

Glucose-dependent miR-125b is a negative regulator of β -cell function

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ABSTRACT

Impaired pancreatic β -cell function and insulin secretion are hallmarks of type 2 diabetes. MicroRNAs are short non-coding RNAs that silence gene expression, vital for the development and function of β -cells. We have previously shown that β -cell specific deletion of the important energy sensor AMP-activated protein kinase (AMPK) results in increased miR-125b-5p levels. Nevertheless, the function of this miRNA in β -cells is unclear. We hypothesized that miR-125b-5p expression is regulated by glucose and that this miRNA mediates some of the deleterious effects of hyperglycaemia in β -cells. Here we show that islet miR-125b-5p expression is up-regulated by glucose in an AMPK-dependent manner and that short-term miR-125b-5p overexpression impairs glucose stimulated insulin secretion (GSIS) in the mouse insulinoma MIN6 cells and in human islets. An unbiased high-throughput screen in MIN6 cells identified multiple miR-125b-5p targets, including the transporter of lysosomal hydrolases *M6pr* and the mitochondrial fission regulator *Mtfn1*. Inactivation of miR-125b-5p in the human β -cell line EndoC β -H1 shortened mitochondria and enhanced GSIS, whilst mice over-expressing miR-125b-5p selectively in β -cells (MIR125B-Tg) were hyperglycaemic and glucose intolerant. MIR125B-Tg β -cells contained enlarged lysosomal structures and showed reduced insulin content and secretion. Collectively, we identify miR-125b as a glucose-controlled regulator of organelle dynamics that modulates insulin secretion.

INTRODUCTION

Pancreatic β -cells are essential regulators of glucose homeostasis, secreting insulin in response to increases in circulating levels of the sugar(1). Nevertheless, chronic hyperglycaemia has a negative effect on β -cell function and survival, contributing to the development of the type 2 diabetes(2).

MicroRNAs (miRNAs) are ~21 nucleotide non-coding RNAs that silence gene expression post-transcriptionally and are essential for endocrine cell development and function(3). Even though β -cells contain hundreds of different miRNAs, the function of only a few has been studied in detail.

MiR-125b (miR-125b-5p) is a highly conserved miRNA widely studied in the context of tumorigenesis as an important regulator of cellular differentiation and apoptosis(4). We have previously shown that miR-125b expression increases in islets after β -cell specific deletion of AMP-activated protein kinase (β AMPKdKO)(5), suggesting that AMPK may act as a negative regulator of miR-125b expression. AMPK activity is suppressed acutely in β -cells by high glucose and lowered in islets from subjects with T2D(6).

The above observations led us to hypothesize that inhibition of AMPK in response to high glucose would result in islet miR-125b up-regulation which may mediate some of the deleterious effects of hyperglycaemia in β -cells. Here we show that high glucose increases islet miR-125b expression and that miR-125b has an important negative effect in β -cell function both *in vitro* and *in vivo* by targeting genes involved in regulating lysosomal and mitochondrial function.

RESEARCH DESIGN AND METHODS

Cells and islets culture and transfection

MIN6 and EndoC β -H1(7) cells and mouse and human islets were obtained, maintained and transfected with Lipofectamine 2000 (ThermoFisher Scientific) as described in Supplemental Methods.

CRISPR-Cas9-mediated deletion of miR-125b in EndoC β -H1 cells

EndoC β -H1 cells were infected with lentiviral vectors expressing two gRNAs targeting *MIR125B-2* and a rat *Insulin* promoter (RIP)-driven hSpCas9. Lentivirus without gRNAs were used as control. Integrating EndoC β -H1 cells were selected with puromycin. See Supplemental Methods for further details.

Generation of transgenic mice

The cassette expressing miR-125b under the control of an rtTA-inducible promoter, was excised from pBI-LTet-MIR125B and used for pronuclear microinjection of C57BL6/J oocytes at the Centre for Transgenic Models, Basel (<http://www.ctm-basel.ch/>). A founder with a unique copy of the transgene was bred with mice expressing the rtTA under the control of the RIP7 promoter (RIP7-rtTA^{+/+}). Mice bearing the transgene (MIR125B-Tg: RIP7-rtTA^{+/-}, MIR125B Tg^{+/-}) and controls (Control: RIP7-rtTA^{+/-}) were used in subsequent experiments. Doxycycline (0.5 g/L) was continuously administered from the time of mating in the drinking water. Mice had free access to standard chow or, when indicated, ketogenic diet (Ssniff, Germany). *In vivo* procedures were approved by the UK Home Office Animal Scientific Procedures Act, 1986 (Licences PA03F7F0F/PP7151519.).

RNA extraction, reverse transcription and qPCR

RT-qPCR was performed as previously described(5). For miRNA quantification, let-7d-3p (main figures) and miR-574-3p (supplemental figures) were used as endogenous controls due to their stable expression in our system(5). For mitochondria DNA/Nuclear DNA

(mtDNA/nDNA) ratio analysis, islet DNA was extracted with 40ug/ml Proteinase K in SNET buffer.

MiRISC immunoprecipitation, RNA sequencing library preparation, sequencing and analysis

MiRISC-immunoprecipitation was performed as previously described(8) with a mouse-anti-AGO2 antibody (clone E12-1C9, Abnova). Library preparation from mRNA enriched from total RNA with a NEBNext Poly(A) mRNA Magnetic Isolation Kit (NEB) and from miRISC-isolated RNA was performed using a NEBNext Ultra II Directional RNA Library Prep Kit from Illumina (NEB). Library preparation from human islets total RNA (200ng) was performed using a NEBNext Low Input RNA Library Prep kit (NEB).

Libraries were sequenced on a HiSeq4000, Mapping and differential expression analysis was performed with Salmon v1.3.0(9) and DESeq2(10).

For miRNA target identification, Total mRNA (T-RNA) and immunoprecipitated RNA (RIP-RNA) samples were treated as separate datasets and the two resulting gene lists of differential analysis were used to calculate the ratio of immunoprecipitated RNA to total mRNA (IP-RNA/T-RNA) for each gene.

Further details are provided in Supplemental Methods.

Immunoblot and Immunohistochemistry

Western-immunoblot was performed with EndoC β -H1 total protein (5-15 μ g) or 10-20 islets extract prepared with RIPA. Islets and slides from isolated pancreata for immunohistochemistry were prepared, visualized and quantified as previously described(11). Further details on the approaches used for blotting, β -cell mass, proliferation, apoptosis and cathepsin D/LAMP1 measurements, and an exhaustive list of all antibodies and kits used can be found in Supplemental methods.

Electron microscopy

MIN6 and EndoC β -H1 cells and whole isolated islets were fixed and prepared as in(12). Ultrathin 70-nm sections were examined in Tecnai Spirit or JEOL 1400 plus transmission electron microscopes. Images at 2000x magnification were analysed and quantified blindly in ImageJ as in(13).

Intraperitoneal Glucose and Insulin tolerance tests (IPGTT, ITT) and *In vivo* Insulin secretion

Mice fasted overnight (IPGTT, Insulin secretion) or for 5h (ITT) were submitted to IPGTT or ITT following administration of 1g/kg body weight of glucose or 1.2U/kg insulin (NovoRapid, ITT), respectively, as previously described(14). For insulin secretion, mice were injected with 3g/kg glucose and blood insulin levels measured using an Insulin ELISA kit (Crystal Chem) following manufacturer's instructions.

Insulin secretion and content

Cell lines and islets were submitted to glucose or KCl stimulated insulin secretion as previously described(7; 14). Secreted and total insulin were quantified using an HTRF insulin kit (Cisbio) in a PHERAstar reader (BMG Labtech, UK) following the manufacturer's guidelines. Insulin and protein content were measured by HTRF and BCA (Pierce), respectively, in RIPA cellular lysates or in full pancreas homogenates as previously described (11).

Islet fluorescence imaging

Ca²⁺ and ATP imaging was performed in whole islets with Cal-520 (4.5 μ M; Stratech) and adenovirus-encoded Perceval probe, respectively, and TIRF was performed in dissociated islets infected with an adenovirus construct for NPY-venus as in(14; 15). Mitochondria morphology analysis was performed with Mitotracker GreenTM (ThermoFisher) as in(15). See Supplemental Methods for further details.

Whole-cell voltage-clamp electrophysiology

Voltage-clamp electrophysiology was performed in dissociated β -cells using patch electrodes and generating voltage-dependent Ca^{2+} (Ca_v) channel currents through application of sequential 10 mV depolarizing steps as detailed in Supplemental methods.

Extracellular flux analysis

Oxygen consumption rate was determined using the XFe96 Extracellular Flux Analyzer and a XFe96 FluxPak (Seahorse Bioscience) in groups of 3-6 size-matched islets/well embedded in Matrigel and incubated at 3 mmol/L glucose followed by 17 mmol/L glucose and oligomycin (5 $\mu\text{mol/L}$) following manufacturer's instructions.

Statistics

Statistical significance was evaluated with GraphPad Prism 9.0 software as indicated in the Figure legends. Correlation data was estimated using R software with ppcor package(16). All data are shown as means \pm SEM. $p < 0.05$ was considered statistically significant unless otherwise specified.

Study approval

All mouse in vivo procedures were conducted in accordance with the UK Home Office Animal (Scientific Procedures) Act of 1986 (Project licence PA03F7F0F to IL) and approved by the Imperial College Animal Welfare and Ethical Review Body. For human islet experiments, islets were isolated from the locations indicated in Sup Table 9 with full approval and informed consent.

Data and Resource Availability

All data generated or analyzed during this study are included in the published article (and its online supplementary files). No applicable resources were generated or analyzed during the current study.

RESULTS

Glucose stimulates miR-125b expression via AMPK repression

To determine whether glucose regulates miR-125b expression in islets, we measured miR-125b in mouse and human islets cultured at increasing glucose concentrations. MiR-125b expression was significantly increased after culture at high (11-25mM) vs low (3.5-5.5 mM) glucose concentrations (Fig. 1A, S1A). Consistent with the possible *in vivo* relevance of these findings, expression of miR-125b in human islets was positively correlated with the body mass index (BMI) of donors, but not with their age or sex (Fig 1B, S1B,C).

Islets from β AMPKdKO mice displayed significantly higher miR-125b levels than controls when cultured at a low (5.5mM) glucose concentration (Fig. 1C, S1D) whereas miR-125b expression remained unchanged in islets cultured at high glucose (25mM). To determine whether this glucose/AMPK-dependent regulation of miR-125b also occurred *in vivo*, we fed control, β AMPKdKO or β LKB1KO (mice with a β -cell specific deletion of the AMPK-upstream kinase Liver kinase B1, LKB1/STK11(17)) animals a ketogenic (low sugar) diet. As previously showed(5), β AMPKdKO islets displayed higher levels of miR-125b than controls and the same was observed in β LKB1KO islets (Fig. 1D). Feeding a low-sugar diet resulted in a significant decrease in islet miR-125b in control animals but not in islets from β AMPKdKO and β LKB1KO mice (Fig. 1D). Moreover, culture of human islets with the selective AMPK activators C13 and 991(5) or with adenovirus encoding a dominant-negative form of the enzyme caused a small, but significant, reduction and increase, respectively, in miR-125b expression (Fig. 1E, S1E). Taken together, these results indicate that high glucose stimulates miR-125b expression in both mouse and human islets by inhibiting AMPK activity.

MiR-125b regulates insulin secretion in β -cell lines

The most important characteristic of the β -cell is its capacity to respond to high levels of circulating glucose by secreting insulin(1). Glucose-stimulated insulin secretion (GSIS) in MIN6 cells with ~40-fold increased miR-125b (Fig. S2A) following transient transfection with miR-125b mimics was lower than in control cells and these cells contained 25% less insulin (Fig. 1F, S2B). Conversely, inhibition of miR-125b function with an adenovirus encoding for a miR-125b inhibitor resulted in increased GSIS and insulin content (Fig 1G, S2C).

To explore whether miR-125b regulated insulin secretion in a human β -cell line we next generated human EndoC β -H1 cells(18) with miR-125b loss-of-function using CRISPR-Cas9 (EndoC β H1-MIR125B2-KO, Fig S3A). EndoC β H1-MIR125B2-KO cells contained ~80% less mature miR-125b than controls (Fig. S3B), showed similar viability (Fig. S3D) and, as anticipated, secreted more insulin in response to high glucose than controls, although only a small, non-significant, increase was detected in insulin content (Fig. 1H, S2D).

A high-through approach identifies miR-125b target genes

To further explore the genes and molecular pathways regulated by miR-125b, as well as its mechanism of action, we sought to explore the impact of the miRNA on β -cell gene expression and to identify direct targets in a high-throughput manner. MiRNAs guide the miRNA-induced silencing complex (miRISC), including an Argonaute protein to the target mRNAs which results in mRNA destabilization and/or inhibition of translation(19). Thus we used an experimental approach that combined overexpression of miR-125b in MIN6 cells, immunoprecipitation of miRISC/target mRNAs using an antibody against AGO2 and high-throughput sequencing and differential analysis of cellular total and immunoprecipitated RNAs(20) (Fig. S4A). As a consequence of miR-125b overexpression, we expected miR-125b targets to be reduced or unchanged (if repression occurs exclusively at the level of translation) in the total mRNA (T-RNA, Table S1) fraction and increased in the precipitated (RIP-RNA,

Table S1) fraction. Thus, for miR-125b direct targets we expect a RIP-RNA to T-RNA ratio > 1 following miR-125b overexpression. To validate our approach we sorted all genes according to RIP-RNA/T-RNA ratio (Table S1) and performed unbiased motifs enrichment analysis using cWords(21). As anticipated, cWords found a significant enrichment of miR-125b seed-matching sequences in both the 3' non-translated (3'UTR) and coding (CDS) sequences of highly ranked (high RIP-RNA/T-RNA ratio) genes (Fig. S4B), suggesting that miR-125b-mRNA target interactions occur through both these regions. 180 mRNAs were enriched in miRISC following miR-125b overexpression with an RIP-RNA/T-RNA > 1.5 (Fig. 2A, Table 1). Out of these, 60 were significantly down-regulated at the mRNA level following miR-125b overexpression (Table 1, $\text{padj} < 0.1$) and 87 contained predicted binding sites in their 3'UTRs according to TargetScan, ~50% (49) of which are conserved in humans (Table 1).

We further validated the six targets (*Taz*, *M6pr*, *Tor2a*, *Mtfp1*, *Tnks1bp1* and *Gnpat*) with the highest RIP-RNA/T-RNA ratios using luciferase reporter-based assays(20). As expected, co-transfection of miR-125b mimics reduced *Firefly/Renilla* activity ratios in cells transfected with constructs containing the *Taz*, *M6pr*, *Tor2a* and *Mtfp1* 3'UTRs, *Gnpat* CDS or three perfectly-complementary sequences to miR-125b (positive control), downstream the *Firefly* open reading frame (ORF) in the bicistronic plasmid pMiRGlo, demonstrating that miR-125b silence gene expression through those sequences (Fig. 2B). In contrast, miR-125b mimics did not affect *Firefly/Renilla* activity of the empty vector or in the presence of the 3'UTR of *Gnpat* which lacked predicted miR-125b binding sites. We failed to validate miR-125b action through *Tnks1bp1* CDS, perhaps due to the location of the binding site downstream the luciferase CDS and not within the CDS itself(22).

MiR-125b targets genes encoding mitochondrial and lysosomal proteins

To identify biological pathways and functions regulated by miR-125b we submitted the list of genes dysregulated at the RNA level (T-RNA, 306 and 317 genes down- and up-regulated, respectively, $\text{padj} < 0.1$, Table S1) as well as those identified as miR-125b direct targets with a RIP/T-RNA > 1.5 (Table 1) to a Database for Annotation, Visualization and Integrated Discovery, DAVID(23). Functional annotations with high enrichment scores included mitochondrion, tricarboxylate (TCA) cycle, sterol biosynthesis, protein transport, Golgi apparatus and endosome (Fig. 2C, Table S2), all closely associated to the capacity of the β -cells to produce and secrete insulin in response to glucose.

The gene at the top of our miR-125b-targets list, the lysosomal/Golgi-associated *M6pr* (Manose-6-phosphate receptor-cation dependent, M6PR-CD) controls trafficking of lysosomal hydrolases from the Golgi via endosomes(24) and thus may influence protein turnover and lysosomal function. Luciferase assays further confirmed the interaction of miR-125b *via* a predicted conserved miR-125b binding site in its 3'UTR (Fig. 3A) and Western-(Immuno) blot of EndoC β -H1 cells overexpressing miR-125b and EndoC β H1-MIR125B2-KO cells showed a strong down- and up-regulation in M6PR protein, respectively (Fig. 3B) without significant changes at the mRNA level (Fig. 3C, Table S3). These results confirm that miR-125b targets M6PR to repress protein production in human EndoC β -H1 cells..

We hypothesized that M6PR downregulation following miR-125b overexpression may lead to a defect in lysosomal hydrolases and an accumulation of lysosomal structures with non-digested cargos. Accordingly, electron microscopy (EM) revealed an accumulation of aberrant enlarged lysosomal structures in MIN6 cells overexpressing miR-125b (Fig. 3D).

As mentioned above, GO analysis of genes dysregulated upon miR-125b overexpression also revealed a significant over-representation of genes involved in mitochondrial function (Table S2, Fig. 2C), including one of the top miR-125b direct targets, mitochondrial fission process 1

(*Mtfp1*, also known as MTP18). Luciferase experiments further confirmed the interaction of miR-125b *via* a predicted conserved binding site in *Mtfp1* 3'UTR (Fig. 3A). MTFP1 has previously been implicated in mitochondrial fission and apoptosis in mammalian cells(25). To explore a possible role for miR-125b in controlling mitochondrial morphology, we stained MIN6 cells transfected with control or miR-125b mimics with a mitochondria-targeted green fluorescent probe (Mitotracker green). MIN6 cells overexpressing miR-125b contained the same number and overall mitochondrial area, though their mitochondria were slightly more elongated and less circular (Fig. 3E, S5A). In contrast, EndoC β H1-*MIR125B2-KO* cells revealed a marked reduction in mitochondrial area and mitochondria with a smaller perimeter, that were also less elongated and more circular (Fig. 3E, S5B). Further emphasizing the importance of miR-125b for mitochondrial homeostasis, GO analysis following RNAseq of EndoC β H1-*MIR125B2-KO* confirmed a strong enrichment in dysregulated genes associated with mitochondrial function (Fig. S5C, Table S4), including *MTFP1* (1.5 fold, p-value: 0.006, padj 0.1).

These findings suggest that relief from miR125-mediated repression leads to disruption of the tubule-vesicular network and to profound changes in the expression of genes involved in mitochondrial homeostasis which may underlie the observed improvement in insulin secretion.

MiR-125b overexpression in β -cells impairs glucose tolerance *in vivo*

Given the regulatory effect of miR-125b *in vitro*, we decided to study the role of miR-125b *in vivo* by generating a mouse with β -cell specific, doxycycline-inducible overexpression of miR-125b using a RIP7-rtTA promoter (14). *MIR125B-Tg* (*MIR125B-Tg*: RIP7-rtTA^{+/+}, *MIR125B-Tg*^{+/+}) animals contained ~60-fold more islet miR-125b than controls (Control: RIP7-rtTA^{+/+}) (Fig. 4A), whereas we didn't detect statistically significant changes in miR-125b levels in the hypothalamus, a potential site for activity of the RIP promoter (26) (Fig. S6A).

MIR125B-Tg mice showed indistinguishable weight gain compared to controls (Fig. S6B) whereas random-fed glycaemia was significantly higher in MIR-125B-Tg in both males and females (Fig. 5B). Consistently, MIR125B-Tg mice were highly glucose intolerant (Fig. 4C,D), though fasting glycaemia was unaffected. No changes in glucose tolerance were observed in animals bearing the transgene in the absence of rtTA (-rtTA Control: RIP7-rtTA^{-/-}, MIR125B OE^{+/-}, Fig. S6C), demonstrating that the defects observed were not due to an off-target genomic event resulting from transgene integration. Blood glucose levels were efficiently reduced by administration of exogenous insulin excluding insulin insensitivity as a major player in the glucose intolerance observed in MIR125B-Tg animals (Fig. S6D). Moreover, plasma insulin did not increase in MIR125B-Tg mice in response to an intraperitoneal injection of glucose (Fig. 4E) suggesting impaired β -cell secretory function. β -cell mass and β - to α -cell ratio, as well as proliferation and apoptosis remained unchanged in the transgenic animals (Fig. 4F, Fig. S6E,F).

Taken together, these data suggest that increased miR-125b in the β -cell results in hyperglycaemia and glucose intolerance due to impaired β -cell secretory function.

MiR-125b transgenic islets contain and secrete less insulin

To further explore a cell autonomous defect in insulin secretion, we measured GSIS in isolated islets from MIR125B-Tg mice which showed a strong reduction in insulin secretion in response to glucose or depolarisation by KCl (Fig. 5A, Fig. S6G). Consistent with our previous data in MIN6 cells, MIR125B-Tg islets contained less intracellular insulin (Fig. S5H), as further confirmed by Western blot (Fig. 5B, S6I), revealing lower levels of both intracellular pro-insulin and insulin. Accordingly, MiR125B-Tg pancreata contained less insulin (Fig. S6J). These data indicate a reduced capacity of MIR125B-Tg β -cells to produce and secrete insulin.

Upon entry in the β -cell, glucose is rapidly metabolized by mitochondria, causing a sharp increase in intracellular ATP/ADP ratio, closure of ATP-sensitive K^+ (K_{ATP}) channels, plasma membrane depolarization and Ca^{2+} influx into the cytosol to trigger insulin exocytosis(1). The fact that secretory responses to both high glucose and KCl were impaired in MIR125B-Tg islets suggested defects downstream of glucose metabolism. Accordingly, the glucose-mediated ATP/ADP rise and the basal ATP/ADP ratio were similar in MIR125B-Tg and Control isolated islets (Fig. 5C, D). OCR increases induced by high glucose and in response to the inhibitor of mitochondrial ATP synthase oligomycin were also comparable (Fig. 5E), confirming similar mitochondrial capacity to generate ATP. In contrast, both basal and oligomycin-insensitive respiration were significantly elevated in MIR125B-Tg islets (Fig. 5E), suggesting increased inner mitochondrial membrane proton conductance. Additionally, MIR125B-Tg islets showed a strong reduction in glucose-induced changes in intracellular Ca^{2+} (Fig. 5F). KCl-induced rises in Ca^{2+} were similar between MIR-125B-Tg and Control islets (Fig. 5F), suggesting that MIR125B-Tg β -cells contained functional voltage-gated calcium channels (VGCC). This was further confirmed in single β -cells by whole-cell voltage clamp that showed similar VDCC currents (Fig. 5G). The kinetics of individual fusion events were also identical in cells from MIR125B-Tg or Control islets (Figure 5H), as assessed by total internal reflection of fluorescence (TIRF) imaging of neuropeptide Y (NPY)-Venus-expressing vesicles near the plasma membrane(27), indicating that vesicle fusion itself was not affected by miR-125b overexpression.

Enlarged lysosomes/autophagolysosomes are abundant in miR-125b transgenic islets

Our previous experiments in cell lines pointed to miR-125b as a regulator of mitochondrial and lysosomal function, which could contribute to defective insulin secretion. In contrast to our observations in cell lines, but consistent with an efficient capacity to generate ATP in response to glucose, mitochondrial area and morphology and the levels of mitochondrial DNA (mtDNA,

Fig. 6B) were comparable in MIR125B-Tg and Control islets (Fig. 6A,B). Even though lysotracker staining revealed no differences in lysosomal area or numbers (Fig. S6K), transmission electron microscopy (TEM) identified the presence of enlarged lysosomes and autophagosomes in the MIR125B-Tg islets which were rarely found in control samples (Fig. 6C,D). Moreover, islets co-immunostaining identified a significant reduction in the lysosomal protease cathepsin D localized to (LAMP1-positive) lysosomes (Fig 6F). TEM also revealed a sharp reduction in the number of dense-core insulin granules, and an increase in granules with defective crystallization (light-core, abnormal rod-like or empty) (Fig. 6C,E). Importantly, fewer secretory granules were present within 200nm of the plasma membrane in MIR125B-Tg than in Control islets (Fig. 6E).

β-cell identity is altered in MIR125b-Tg islets

To shed more light into the molecular mechanisms underlying the secretory defects of miR-125B-Tg islets, we performed RNA-seq on MIR125B-Tg and Control islets. 320 and 398 genes were significantly ($p_{adj} < 0.1$) down- and up-regulated, respectively (Table S5).

GO analysis of downregulated genes identified a strong enrichment within pathways and processes associated with mature β-cell function such as regulation of insulin secretion and endocrine pancreas development (Table S6, Fig. 7A,B, S7A), with a significant reduction of several important β-cell identity genes such as *Ucn3*, *Pdx1*, *NeuroD1*, *Nkx2.2*, *Slc2a2* and *Nkx6.1*. These genes don't contain predicted miR-125b binding sites or had been identified as direct miR-125b targets in our RIP-seq experiments, suggesting an indirect effect. Further supporting a loss of β-cell identity, up-regulated genes were significantly associated with neuronal features (Table S6, Fig. 7A,S7B). We also observed an upregulation of many glycoprotein genes and of genes associated with cellular and focal adhesion, signalling

pathways and voltage-gated and potassium channels. Golgi-associated genes were both up and down-regulated Table S6, Fig. 7A, S7B).

MiR-125b alters insulin secretion and gene expression in human islets

To further explore the relevance of miR-125b in human β -cells, we performed GSIS assays in human islets infected with Ad-MIR125B, achieving a ~4.5 fold increase in miR-125b levels (Fig. S8A). MiR-125b overexpressing islets secreted ~50% less insulin than controls, though their insulin content remained unchanged (Fig. 7C, S8B). Additionally, we performed RNA-seq in dissociated human islets infected with these virus, achieving a ~3 fold increase in miR-125b (Fig. S8C). Principal component analysis (PCA) showed that most of the variation was due to the donor origin of the islets (Fig. S8D) and, thus this experiment was underpowered (~20% to detect a 2x Fold change with $p < 0.01$, calculated using Scotty(28)). Nevertheless the expression of hundreds of genes tended to be altered (p -value < 0.05 , Table S7) and Gene Set Enrichment analysis of all the genes ranked by gene expression fold change identified a significant enrichment in several biological pathways (Fig. S8E,F, Table S8) notably including lysosomal ($p < 0.0001$, FDR=0.07) and calcium signalling ($p < 0.0001$, FDR=0.06). Further suggesting a role for miR-125b in lysosomal function, a downregulation in M6PR protein was observed in dissociated human islets infected with Ad-MIR125B (Fig. 7D).

DISCUSSION

Even though elevated levels of circulating miR-125b in association with higher HbA1c in T1D(29) and T2D(30) have been previously identified, this is the first study to demonstrate that miR-125b expression is induced by glucose in mouse and human islets in an AMPK-dependent manner. Although our capacity to demonstrate a correlation between hyperglycaemia and islet miR-125b levels in human islets *in vivo* was limited by the lack of

HbA1c data, we found a significantly positive correlation with donor BMI which often associates itself with HbA1c(31).

Despite being highly expressed in β -cells, the function and mechanism of action of miR-125b in these cells have remained elusive until now. Here, we show for the first time that elevated expression of this miRNA in β -cells impairs their secretory function *in vitro* and *in vivo*.

We have generated a novel transgenic model capable of β -cell selective overexpression of miR-125b. These animals were hyperglycaemic and strongly glucose intolerant and presented a drastic reduction in circulating insulin following a glucose challenge.

Our findings suggest two main causes for the secretory defects in the MIR125b-Tg mice: strong impairment in GSIS and reduced insulin content. Unlike ATP, cytosolic Ca^{2+} increases following glucose stimulation were substantially lower in MIR125b-Tg islets though, paradoxically, similar levels of Ca^{2+} were observed upon membrane depolarization with KCl, even though KCl-stimulated insulin secretion was also strongly impaired. This points towards defects at different levels on the secretory pathway, as supported by the striking changes in gene expression. First, K_{ATP} -independent amplification pathways(32) might be impaired in MIR125B-Tg islets, which display lower levels of genes encoding enzymes limiting for the production of guanine nucleotides and glutamine such as *Imphd1* and *GLUL* that can promote insulin exocytosis in an ATP/ADP independent manner(33; 34). Secondly, voltage-clamp electrophysiology experiments confirmed the presence of functional voltage-dependent Ca^{2+} -channels in MIR125B-Tg β -cells. MIR125B-Tg islets expressed normal levels of Ca^{2+} -channels but higher levels of PMCA3 and the $\text{Na}^{+}/\text{Ca}^{2+}$ -exchanger NCX3, members of protein families responsible for Ca^{2+} extrusion in β -cells, which could potentially contribute to reduced levels of cytosolic calcium. Thirdly, TEM revealed fewer granules in close proximity to the plasma membrane in MIR125B-Tg β -cells and our RNAseq identified a strong alteration in

genes involved in cellular granule docking and fusion such as granuphilin (*Syt14*), the SNARE protein *Vamp3* and synaptotagmins (*Syt1/12/17*) (35; 36), pointing towards defects in the final steps of exocytosis. Finally, MIR125B-Tg islets present defective granule crystallization which might be partially due to reduced levels of the zinc transporter *Znt8* mRNA (37). Loss of β -cell identity might further contribute to these secretory defects, though some of these transcriptional changes may occur as a consequence of the moderate fed hyperglycaemia in these animals(38) or be residual from impaired maturation since RIP7-rtTA-driven transgene expression is expected to occur from E11.5.

Here, we unbiasedly identified dozens of miR-125b targets through the integration of RIP-seq and RNA-seq data(8; 20) of miR-125b overexpressing MIN6 cells. Given the supra-physiological levels of miR-125b achieved in these experiments, additional loss-of-function experiments will be key to confirm the targeting. It remains to be studied whether some of these targets are shared with the family member miR-125a, also expressed in β -cells. Additionally, some of these targets might not be conserved in humans and this may explain the fact that miR-125b modulation affects insulin content in mouse β -cells but less so in humans. Intriguingly, dishevelled binding antagonist of beta catenin 1 (*Dact1*) was not within this list and remained unchanged upon miR-125 manipulation in all our experimental models. *Dact1* was previously identified as a miR-125b target in β -cells, perhaps due to the presence of other pancreatic, highly proliferative cells in the samples(39).

One of the genes at the top of our list of miR-125b targets, *M6pr*, encodes the cation-dependent manose-6-phosphate protein MP6R (CD-M6PR). Even though the function of CD-M6PR remains unknown in β -cells, this receptor is necessary for adequate lysosomal targeting of several hydrolases such as Cathepsin D(40). Remarkably, MIR125B-Tg islets contained less cathepsin D in their lysosomes, which appeared enlarged similarly to those observed by Masini et al. (41) in T2D islet micrographs, suggesting the accumulation of undigested cargos. Defects

on the lysosomal/trafficking machinery can also affect the maturation, packaging and location of the secretory granules within the cell(42) and might contribute to the reduced insulin content and crystallization defects observed in the MIR125B-Tg mice. Whether elevated miR-125b during hyperglycemia/loss of AMPK activity contribute to these processes in T2D and how, remains to be studied.

Even though we had identified several genes encoding mitochondrial proteins as miR-125b targets in MIN6 cells, no mitochondrial morphological defects were detected in the transgenic islets, suggesting that endogenous miR125b levels are sufficient to exert maximal effects on mitochondrial structure. However, several mitochondrial genes were dysregulated in MIR125B-Tg islets and seahorse experiments showed a significant increase in basal and oligomycin-insensitive respiration, suggesting certain extent of mitochondrial dysfunction.

On the other hand, deletion of miR-125b in EndoC β -H1 cells resulted in a strong alteration of mitochondrial morphology and in the expression of mitochondrial proteins, including the miR-125b targets *Mtfp1* and *Gnpat*. *Mtfp1* is targeted by miR-125b in monocytes to promote elongation of the mitochondrial network (43). GNPAT acts to stabilize DRP1(44) , which is required for mitochondrial fission and which deletion impaired insulin secretion(45; 46). In line with these earlier studies, EndoC β -H1-MIR125B2-KO cells contained shorter mitochondria which correlated with increased GSIS. It has, however, been contested whether mitochondrial fragmentation promotes apoptosis or correlates with hyperglycaemia or diabetes(15; 47). Importantly, we did not observe any differences in cellular death or number in EndoC β -H1-MIR125B2-KO neither in *Ddit3* (CHOP) mRNA levels, suggesting an absence of mitochondrial-induced ER stress in these cells. Future experiments are required to determine whether the positive effects of miR-125b elimination in β -cell function persist under conditions of cellular stress.

In summary, our results suggest that β -cell miR-125b has the potential to act as a glucose-regulated metabolic switch between the lysosomal system and mitochondria dynamics. Whole-body *MIR125B-2* knockout mice on a high-fat diet develop insulin resistance and glucose intolerance possibly due to the white fat accumulation (48). Nevertheless, insulin secretion or an effect in other metabolic organs were not assessed and our study provides compelling evidence of a role for miR-125b in controlling insulin secretion and strongly indicates that non-targeted administration of miR-125b mimics may reach the islet and lead to defective β -cell function and worsen diabetes.

Future studies focussed on β -cell-specific inhibition of miR-125b and on the function of specific targets will be essential to confirm a potential therapeutic benefit of targeting this miRNA or its targets for the treatment of diabetes.

AUTHOR CONTRIBUTIONS

R. Cheung & G. Pizza (equal contribution) performed most experiments, designed research studies and obtained and analyzed data; P. Chabosseu performed research studies (TIRF) and designed microscopy macros. D. Rolando assisted with computational analysis of RNA-seq and RIP-seq data. A. Tomas and T. Burgoyne performed TEM experiments. Z. Wu, A. Salowka, A. Thapa, A. Macklin and Y. Cao performed research studies (insulin secretion, β -cell mass and apoptosis and Western blot, respectively). M.-S. Nguyen-Tu assisted with animal studies (*In vivo* Insulin secretion). M. T. Dickerson and David Aaron Jacobson performed whole-cell voltage clamp experiments. P. Marchetti, K. Bouzakri, J. Shapiro, L. Piemonti and E. de Koning, provided human islets. I. Leclerc assisted with maintenance of animal colonies. K. Sakamoto and D. M. Smith provided C13 and C991, respectively. G. A. Rutter contributed to the study design, with reagents and AMPK and LKB1 KO animals, and in writing the

manuscript. A. Martinez-Sanchez conceived the study, designed and performed experiments, analyzed data, and wrote the paper; All authors read and approved the manuscript. A. Martinez-Sanchez is the guarantor of this work and, as such, had full access to all the data in the study and takes responsibility for the integrity of the data and the accuracy of the data analysis.

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CONFLICT OF INTEREST

The authors declare no conflicts of interest

PRIOR PRESENTATION

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Table 1. MiR-125b direct targets identified by integration of RIP-seq and T-RNA-seq differential analysis. Genes (180) with RIP-seq to T-RNA ratio > 1.5 are shown. FoldC_T-RNA and padj_T-RNA= Fold change and adjusted p-value of differential analysis of transcripts in MIN6 cells transfected with miR-125b mimics vs controls. FoldC_RIP and padj_RIP= Fold change and adjusted p-value of differential analysis of Ago2-immunoprecipitated RNAs in MIN6 cells transfected with miR-125b mimics vs controls. Predicted binding site TargetScan=Y indicates the presence of at least one predicted miR-125b binding site by TargetScan mouse v7.2. * (Y*) indicates target conservation in humans.

Gene.name	Predicted binding site TargetScan	FoldC_RNA	padj_RNA	FoldC_RIP	padj_RIP	RIP/RNA
Taz	Y*	0.88	0.213	2.196	0	2.494
M6pr	Y*	0.818	0.006	2.039	0	2.494
Tor2a	Y*	0.722	0.002	1.786	0	2.476
Mtfp1	Y*	0.762	0.018	1.865	0	2.449
Tnks1bp1		0.927	0.607	2.194	0	2.366
Gnpat		0.901	0.44	2.067	0	2.294
Gm47356		0.869	0.602	1.965	0.002	2.262
Trnp1		1.018	0.968	2.201	0	2.163
Rhot2	Y*	0.992	0.982	2.051	0	2.068
Lsm14b		0.924	0.611	1.833	0	1.985
Mlxipl		0.915	0.743	1.812	0	1.981
Lrrc10b	Y*	0.774	0.029	1.521	0.056	1.966
Trabd		0.867	0.416	1.697	0.001	1.957
Ceacam1	Y	0.66	0.002	1.284	0.608	1.944
Cpne5	Y	0.694	0.016	1.345	0.613	1.937
Abtb1	Y*	0.814	0.242	1.576	0.025	1.935
Nectin2		0.821	0.114	1.572	0.05	1.915
Gm10125		0.925	0.818	1.745	0.03	1.886
Pex11g		0.756	0.06	1.419	0.486	1.876
Dusp23	Y	0.703	0.006	1.319	0.768	1.875
Kcnc2	Y*	0.6	0	1.118	0.999	1.864
Guk1		1.045	0.896	1.944	0	1.86
Mfge8	Y	0.712	0.013	1.32	0.771	1.853

Rnf113a2		1.088	0.494	1.998	0.001	1.836
Stc1	Y*	0.785	0.142	1.44	0.406	1.833
Src	Y	0.712	0.011	1.285	0.852	1.804
Nrm	Y*	0.674	0	1.214	0.963	1.801
Pgap3	Y*	0.698	0	1.257	0.802	1.801
Coch		1.027	0.954	1.849	0.004	1.8
Rabl6	Y	0.891	0.331	1.591	0.001	1.786
Apoo		1.059	0.689	1.886	0.004	1.781
Cyth1	Y*	0.94	0.514	1.658	0.001	1.763
Gm17167		0.84	0.445	1.478	0.364	1.758
Cd34	Y*	0.764	0.123	1.34	0.662	1.753
Cbx7	Y*	0.817	0.13	1.431	0.379	1.753
Brms1	Y*	0.826	0.11	1.446	0.428	1.75
Grk4		0.914	0.787	1.597	0.175	1.746
Rnf44	Y*	0.849	0.338	1.478	0.025	1.741
Pstpip2		0.691	0.002	1.203	0.999	1.74
Syvn1	Y*	0.886	0.393	1.54	0	1.738
Agtrap	Y*	0.891	0.601	1.547	0.258	1.737
Fam83h	Y*	0.738	0.001	1.278	0.543	1.732
Them6	Y*	0.649	0.001	1.123	0.999	1.731
Nudt16		0.849	0.234	1.467	0.402	1.728
Vipr1	Y	0.893	0.499	1.541	0	1.726
Lypla2	Y*	0.874	0.204	1.501	0.037	1.718
Gm43960		1.035	0.938	1.767	0.029	1.707
G6pc3		0.9	0.517	1.532	0.114	1.703
Dis3l2	Y*	0.805	0.012	1.367	0.64	1.699
Ccdc50		0.841	0.073	1.429	0.233	1.698
Sirt6	Y*	0.82	0.019	1.386	0.607	1.692
Dnajc14	Y*	0.834	0.002	1.403	0.329	1.683
Mlycd	Y*	0.754	0.002	1.267	0.775	1.681
Gm45844		0.913	0.75	1.53	0.196	1.676
Aftph		0.956	0.747	1.597	0.018	1.671
Dph7		0.941	0.774	1.571	0.209	1.669
Ptpn5		0.706	0.011	1.176	0.999	1.666
Pgp	Y*	1.01	0.98	1.682	0.004	1.665
Car8		0.58	0	0.965	0.999	1.664
AU040320	Y	0.769	0	1.274	0.533	1.656
Rpl35		1.06	0.839	1.75	0.003	1.651
Ppp4r3a	Y	0.95	0.789	1.564	0.003	1.646
Ptpn1	Y*	0.759	0	1.248	0.805	1.645
Sfi1		0.984	0.954	1.615	0.146	1.642
P2ry6		0.687	0	1.127	0.999	1.641
Impdh1		0.785	0.003	1.286	0.379	1.639
St14	Y	0.811	0.087	1.327	0.752	1.636
Rps6-ps4		1.021	0.957	1.668	0.078	1.633
Qsox2	Y*	0.832	0.026	1.357	0.096	1.632

Gm38025		0.957	0.89	1.561	0.243	1.631
Acads	Y*	0.823	0.183	1.342	0.441	1.629
D130040H23Rik	Y	0.828	0.28	1.348	0.673	1.628
Gm47102		0.837	0.442	1.361	0.428	1.626
Tlnrd1		0.809	0.097	1.315	0.533	1.626
Creld1	Y	0.838	0.189	1.36	0.517	1.623
Sox12	Y*	0.639	0	1.036	0.999	1.622
Anp32a		0.963	0.908	1.559	0.006	1.619
Entpd3	Y*	0.903	0.604	1.456	0.078	1.613
Lfng	Y*	0.767	0.075	1.236	0.845	1.613
6030458C11Rik	Y	0.764	0	1.228	0.684	1.608
Klc2	Y*	0.903	0.536	1.45	0.11	1.606
Igfbp7		0.66	0.002	1.059	0.999	1.604
Ppt2	Y	0.69	0	1.106	0.999	1.603
Zfp111	Y	0.958	0.842	1.534	0.111	1.601
Phldb2	Y	0.86	0.455	1.377	0.375	1.6
4933421O10Rik		0.818	0.035	1.307	0.8	1.598
Rtn2		0.966	0.896	1.544	0.037	1.597
Slc37a1		0.702	0	1.12	0.999	1.596
Dedd2		0.899	0.682	1.431	0.286	1.592
Lactb	Y	0.751	0.027	1.195	0.999	1.59
Dgcr8		0.917	0.618	1.459	0.375	1.59
Dgcr8		0.917	0.618	1.459	0.375	1.59
Gm42785		0.902	0.612	1.433	0.379	1.589
Gm28756		0.955	0.912	1.515	0.303	1.587
Gm21244		0.917	0.763	1.455	0.39	1.587
Gm15097		0.967	0.939	1.535	0.258	1.586
4933411E06Rik		0.876	0.62	1.389	0.502	1.585
Mtus1	Y*	0.794	0.052	1.259	0.917	1.584
Ppp6r1		1.011	0.96	1.601	0.001	1.584
Fen1		0.906	0.534	1.434	0.072	1.583
Gm44578		0.989	0.984	1.564	0.229	1.582
Gcnt1	Y*	0.799	0.044	1.263	0.501	1.581
Pop5	Y	0.867	0.448	1.37	0.243	1.581
Gm5860		0.81	0.262	1.278	0.828	1.579
Gm43498		1.005	0.994	1.585	0.183	1.578
Ap1s3	Y*	0.927	0.705	1.462	0.39	1.577
Cdh22	Y	0.808	0.18	1.274	0.666	1.576
Rce1		0.809	0.081	1.275	0.69	1.576
Gm45159		0.926	0.82	1.459	0.398	1.576
Klhl21	Y*	0.829	0.286	1.306	0.693	1.576
Atg4d	Y*	0.843	0.405	1.329	0.613	1.576
Fgfr1	Y*	0.747	0.012	1.175	0.999	1.574
Zfp488	Y	0.924	0.734	1.454	0.428	1.574
Olfr1116		0.982	0.969	1.543	0.258	1.572
Neurl3		0.691	0.005	1.086	0.999	1.571

Ccdc162		0.869	0.499	1.365	0.582	1.57
Rab12	Y	0.82	0.098	1.287	0.878	1.569
Stk11ip		0.801	0.002	1.255	0.9	1.568
Mrpl53		0.981	0.958	1.538	0.105	1.567
C1qtnf1	Y	0.729	0.024	1.143	0.999	1.567
Frem2		0.739	0.05	1.159	0.999	1.567
Ecd		0.859	0.153	1.346	0.49	1.567
Zfp385a	Y	0.735	0.01	1.15	0.999	1.565
Vps29	Y	1.106	0.536	1.73	0.001	1.564
Ano3		0.673	0.008	1.053	0.999	1.564
Spata6		0.958	0.869	1.494	0.358	1.56
Olfr338		0.866	0.549	1.35	0.603	1.559
Efcab14	Y*	0.887	0.301	1.382	0.364	1.559
Klf16	Y*	0.863	0.152	1.345	0.594	1.559
Znhit1	Y	0.959	0.885	1.492	0.353	1.556
Gm48443		0.875	0.404	1.361	0.533	1.556
Churc1		0.993	0.986	1.545	0.234	1.555
Cep19		0.899	0.523	1.397	0.533	1.554
9930111J21Rik	Y	0.914	0.785	1.421	0.375	1.554
Cnot6		0.83	0.168	1.289	0.144	1.553
Pgpep1	Y*	0.894	0.61	1.384	0.385	1.548
Npc1		0.771	0.001	1.193	0.977	1.547
Hdac5		0.809	0.151	1.25	0.942	1.544
Ctbp1	Y	0.848	0.005	1.303	0.43	1.537
Olfr365		0.979	0.954	1.505	0.353	1.537
Cchcr1		0.981	0.936	1.507	0.328	1.536
Olfr552		0.967	0.94	1.485	0.345	1.536
Sp110		0.871	0.609	1.337	0.648	1.535
Lingo1	Y	0.852	0.312	1.308	0.474	1.535
Ppp6r3	Y*	0.939	0.618	1.438	0.023	1.531
Wdr25	Y	0.9	0.551	1.377	0.533	1.53
Prpf18		0.907	0.322	1.386	0.443	1.528
2810039B14Rik		0.871	0.496	1.33	0.708	1.528
Rab17	Y	0.718	0.005	1.097	0.999	1.528
Mob2	Y	0.889	0.391	1.355	0.486	1.525
1700082M22Rik		0.874	0.62	1.333	0.717	1.525
Cadm1		0.872	0.385	1.33	0.366	1.525
Triap1	Y*	0.923	0.687	1.408	0.382	1.524
Olfr1328		0.915	0.715	1.394	0.366	1.523
Gm4117		0.878	0.609	1.337	0.639	1.523
Nmnat1	Y	0.852	0.408	1.297	0.819	1.523
Gm43577		0.94	0.864	1.431	0.465	1.523
Gm42927		0.972	0.941	1.479	0.328	1.522
Zfp697	Y	0.888	0.597	1.35	0.689	1.519
Bmf	Y*	0.623	0	0.946	0.999	1.519
Gm45038		0.93	0.795	1.412	0.401	1.518

C130073E24Rik		0.979	0.963	1.487	0.36	1.518
E130309D02Rik	Y	0.924	0.716	1.4	0.366	1.516
Coro2a	Y*	0.656	0	0.994	0.999	1.514
Mdga1	Y*	0.794	0.193	1.201	0.999	1.513
Mogs		0.772	0.05	1.167	0.857	1.512
4632415L05Rik	Y	0.886	0.414	1.339	0.713	1.511
Gm43190		0.978	0.96	1.477	0.375	1.511
Prdm11	Y	0.907	0.683	1.369	0.648	1.51
Dhtkd1		0.991	0.986	1.496	0.345	1.509
Vps4b	Y*	0.784	0.053	1.183	0.999	1.509
Inpp4b		0.779	0.076	1.174	0.999	1.508
Oraov1	Y	0.898	0.369	1.354	0.637	1.508
Gm43660		0.916	0.76	1.382	0.419	1.508
Tcp11l2		0.711	0.019	1.072	0.999	1.508
Olfr374		0.87	0.551	1.31	0.786	1.506
Sned1	Y*	0.921	0.808	1.387	0.348	1.505
Gm16892		0.958	0.925	1.441	0.375	1.504
Akap2	Y	0.97	0.944	1.458	0.286	1.502
Kcnn2		0.734	0.052	1.102	0.999	1.501

FIGURE LEGENDS

Figure 1. MiR-125b expression is stimulated by glucose via AMPK repression in islets and regulates insulin secretion in insulinoma/ β -cell lines. RT-qPCR measurements of **A-E**, MiR-125b in **(A)** mouse and human islets cultured at the indicated glucose concentrations for 48h, **(B)** human islets (from non-diabetic donors) kept for 24h at 5.5mM glucose plotted against donor's BMI, **(C)** islets from β AMPKdKO (green) and control (C, black) mice cultured at 5.5 or 25mM Glucose for 48h, **(D)** islets from β AMPKdKO (green), β LKB1KO (red) and control (C, black) male and female mice fed a chow or a ketogenic (Keto) diet for 28 days and **(E)** human islets treated with the AMPK activators C-13 (50nM) and C-991 (20nM) for 16h (left hand-side) and dissociated human islets infected with adenovirus expressing a dominant-negative AMPK protein (Ad-AMPK-DN) or empty control (Ad-GFP) at 5 MOI for 48h (right hand-side panel). Each dot represents islets from a single mouse or human donor. MiR-125b expression is normalized to that of the endogenous control let-7d-3p (4). **F-H** Glucose-stimulated insulin secretion (GSIS, left hand-side panels) and insulin content (right hand-side panels). GSIS was quantified after 30 minutes of 17 or 15 mM glucose stimulation following overnight preincubation at 3 mM glucose of MIN6 **(F, G)** and EndoC β -H1 with CRISPR-mediated miR-125b knockout **(H)**. MIN6 cells were transfected with 5nM miR-125b (125b) or control (C) mimics **(F)** or infected with adenovirus expressing a miR-125b inhibitor (125b-OFF) or a non-targeting control (C) at 10 MOI **(G)** 48h before the experiments. Intracellular protein content was quantified by BCA to calculate insulin content per μ g of total protein. Data is presented as fold change of basal level. Each dot represents an independent experiment with two-three technical replicates. Experiments were performed with three different populations of CRISPR-mediated miR-125b KO and control cells. Error bars represent SEM. ns=no significant, * p <0.05, ** p <0.01, *** p <0.001, one-way ANOVA (repeated measures) and Dunnett multiple comparisons test (A), Pearson Correlation adjusted by age and sex (B), two-

way ANOVA (repeated measures) and Bonferroni multiple comparisons test (C), unpaired Welch (D) and paired Student (E-H) *t* test.

Figure 2. High-through identification and validation of miR-125b target genes. MIN6 cells were transfected with 5nM control or miR-125b mimics **A)** Cytoscape(49)-generated layout of genes with RIP-RNA/T-RNA ratio > 1.5 upon miR-125b overexpression (arbitrary cut-off) in MIN6 cells were transfected with 5nM control or miR-125b mimics. Node size represents the extent of the RIP-RNA/T-RNA ratio (the larger, the higher). The intensity of the gene node colour indicates the fold downregulation of each gene upon miR-125b expression (T-RNA). Downregulation at the transcript level was statistically significant for those genes represented in an octagonal shape. Lines connecting the nodes/genes with miR-125b indicate the presence of a predicted binding site for miR-125b as identified by TargetScan, with the intensity in the colour of the line representing the score (Total context score). **B)** Validation of miR-125b binding to the regions (full-length CDS or 3'UTR, as indicated) containing predicted miR-125b binding sites of six identified targets with highest RIP-RNA/T-RNA. Luciferase reporter assay of MIN6 cells cotransfected with pmirGLO plasmids containing the indicated target downstream the luciferase ORF and miR-125b (+) or non-targeting (-) control mimics. Samples were measured 24h after transfection in technical replicates. *Firefly* luciferase values are normalised to *Renilla*, independently expressed by the same vector and are shown as relative to that obtained for each construct cotransfected with the control miRNA mimic. Each dot represents an independent experiment. A construct containing three perfectly complementary binding sites for miR-125b (positive control) and the empty pmirGlo vector (negative control) were included in the experiments. **C)** Gene Ontology enrichment analysis of the genes significantly up- and down-regulated upon miR-125b overexpression (T-RNA) and putative miR-125b direct targets (RIP-RNA/T-RNA > 1.5) performed with DAVID. The graph shows enrichment scores for one representative term for each cluster grouped by semantic similarities and including terms with a *padj* (Benjamini) < 0.05. See Supp Table 2 for a full list

of terms. Error bars represent SEM. * $p < 0.05$, *** $p < 0.001$, **** $p < 0.0001$, paired Student t test values of the log[fold change] values.

Figure 3. MiR-125b represses *M6pr* and *Mtff1* and alters lysosomal and mitochondrial morphology. **A)** MIN6 cells were transfected with luciferase reporters containing the *M6pr* or the *Mtff1* 3'UTRs with (mutated, MUT) or without (wild-type, WT) three/two point mutations in the sequence complementary to the miR-125b seed. Control (-) or miR-125b (+) mimics were co-transfected and *Firefly* luciferase values normalized to *Renilla*. Each dot represents an independent experiment. **B)** Representative Western blot showing reduced (left-hand side panel) and increased (right hand-side panel) M6PR protein levels upon transfection with 1nM miR-125b (miR-125b)/control (C) mimics or CRISPR-Cas9-mediated deletion of miR-125b in EndoC β -H1 cells, respectively. Bar graphs show densitometry quantification of M6PR, using ImageJ, normalized by Tubulin and presented relative to the control. **C,** Left hand-side panel: RT-qPCR measurement of *M6PR* mRNA in EndoC β -H1 cells transfected with control (C) or miR-125b (miR-125b) mimics, normalized by the housekeeping gene *Ppia* and presented as fold change of the control. Right hand-side panel: Normalized (Reads *per* Kilobase of transcript, *per* Million mapped reads (RPKM)) M6PR reads in Control vs MIR125B2-KO (KO) EndoC β -H1 cells. **D,** Representative Transmission Electron Microscopy image of MIN6 cells transfected for 48h with control (C) or miR-125b (125B) mimics. Red arrows show enlarged lysosomal structures. Scale bar = 1 μ m. These were not observed in any of the imaged controls (n=3 independent experiments). **E,F)** Quantitative analysis of mitochondria number and morphology on deconvoluted confocal images of (E) MIN6 cells transfected with miR-125b (red) or control (black) mimics or (F) EndoC β -H1 with CRISPR/Cas9-mediated miR-125b deletion (green) or controls (black). Cells were stained with Mitotracker green. An ImageJ macro was generated and used to quantify individual mitochondria length (elongation) and circularity (0:elongated; 1:circular). Each dot represents one acquisition (n=3 (E), n=4 (F) independent experiments). Lower panels show representative confocal images of the mitochondrial network of EndoC β -H1-MIR125B2-KO and control cells. Scale bar: 10 μ m. Error

bars represent SEM. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, paired Student t test of the log[fold change] values (A-C); Welch t test (E, F).

Figure 4. Mice with β -cell-selective overexpression of miR-125b are glucose intolerant and present impaired glucose stimulated insulin secretion. **A)** MiR-125b RT-qPCR in isolated islets from Control (RIP7-rtTA^{+/+}) and MIR125B-Tg mice (RIP7-rtTA^{+/+}, MIR125B Tg^{+/+}). Data are fold change vs Control. **B)** Glycaemia in 5 and 9 week old Control and MiR125B-Tg mice fed *ad libitum*. For A and B, each dot represents a single mouse. **C, D)** Glucose tolerance test in 6 and 10 week old MIR125B-Tg and littermate control male (C) and female (D) mice. $n=7-8C$, $5-7Tg$. **E)** Glucose (3 g/kg)-induced insulin secretion assessed in 10 week old MIR125B-Tg and littermate controls ($n=13C$, $11 Tg$). **F)** Pancreata from MIR125B-Tg and littermate controls were fixed and subjected to immunocytochemical analysis for insulin and glucagon. β - and α -cell masses are presented as the β -cell/ α -cell ratio and correspond to quantification of insulin-positive area/glucagon positive area ratio (left-hand side panel). β -Cell mass is presented as a percentage of the pancreatic surface and corresponds to quantification of the insulin-positive area per pancreas area quantified in whole pancreas sections. Each dot represents one pancreatic section with $n = 3$ mice/genotype. Error bars represent SEM. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$, Welch t test (A, B, F); two-way ANOVA (repeated-measures), Fisher least significance different test (C-E).

Figure 5. MIR125B-Tg islets contain and secrete less insulin than controls. **A)** Fold induction insulin secretion vs low glucose (3mM, LG) in response to 30 minutes high (17mM, HG) glucose or KCl (17mM KCl and 3mM Glucose) in islets from 10-11 week old Control (RIP7-rtTA^{+/+}) and MIR125B-Tg (RIP7-rtTA^{+/+}, MIR125B Tg^{+/+}) mice. **B)** Insulin and pro-insulin content in 10 week old Control (C) and MIR125B-Tg (Tg) mice. A representative WB is shown with islets from 3 C and 3 Tg animals. Bar graphs show densitometry quantification of insulin and pro-insulin, using ImageJ, normalized by GAPDH and presented relative to the average control. **C)** ATP rises in response to high glucose (17mM vs 3mM) and **D)** ATP/ADP ratio at 3mM glucose in intact MIR125B-Tg and control islets infected with an adenoviral Perceval

sensor. n=4-5 mice/genotype, with 1-2 acquisitions per mouse and an average of 5 islets/acquisition. **E)** Oxygen consumption rate (OCR) measured in the presence of 3mM or 17mM (HG) glucose and 5 μ M oligomycin (OM) over time as indicated. Islets were pre-incubated for 1h at 3mM glucose. Left hand-side panel shows traces from the actual experiment. Middle and right hand-side panels show calculations during the indicated periods. “Basal” shows AUC under basal (3mM) conditions, Δ HG and $-\Delta$ OM report the change in respiration when 17mM Glucose and oligomycin are added, respectively. The oligomycin insensitive value (OM insen) reports the residual respiration after the addition of oligomycin and coupling ratio (right-hand side panel) represents the oligomycin-sensitive respiration divided by respiration preceding oligomycin. Each dot represents a plate well with 3-6 size-matched islets (n=10-12) extracted from 3 Control (C) and 4 MIR125B-Tg (Tg) mice. **F)** Ca²⁺ rises in response to high glucose (17mM vs 3mM) and KCl (20mM KCl, 3mM Glucose) in intact MIR125B-Tg and control islets incubated with Cal-520. n=4-5 mice/genotype, with 1-2 acquisitions per mouse and an average of 5 islets/acquisition. AUC corresponding to HG incubation was determined and presented on the bottom. **G)** Average maximum CaV current densities recorded from control and MIR125B-Tg β -cells in response to 10 mV steps from -70 to 70 mV. N= 16 and 29 β -cells from 2 control and 4 MIR125B-Tg mice. **H)** NP-Y.Venus fluorescence increases in response to 20mM KCl in cells from dissociated MIR125B-Tg and control islets infected with an adenoviral NP-Y-venus sensor. n=3-4C mice/genotype 2 with 2 acquisitions per mouse and 1-2 β -cells per acquisition. Each dot represents a single mouse in all graphs unless otherwise indicated. Error bars represent SEM. ns=not significant * p < 0.05, ** p < 0.01, *** p < 0.001, two-way ANOVA (repeated-measures) and Bonferroni multiple comparisons test (A), paired Student (B) and unpaired Welch (D-E) or Student t test (F).

Figure 6. Enlarged lysosomes/autophagolysosomes are abundant in miR-125b transgenic islets. **A)** Quantitative analysis of mitochondria number and morphology on deconvoluted confocal images of dissociated MIR125B-Tg and Control islets from 10-11 week old mice. Cells were stained with Mitotracker green. An ImageJ macro was generated and

used to quantify number of mitochondria per cell, total mitochondria area, individual mitochondria length (elongation), circularity (0:elongated; 1:circular) and perimeter. Each dot represents one cell (n=3 mice/genotype). **B)** Mitochondrial DNA copy number, calculated as the ratio of the mitochondrial encoded gene mt-Nd1 to the nuclear Cxcl12. Each dot represents a single mouse. **C)** Representative Transmission Electron Microscopy images of MIR125B-Tg and control β -cells. Red arrows: enlarged lysosomes with undigested cargos. Blue arrows: non-crystallized insulin granules, showing a rod like structure or a grey interior. Scale bar = 1 μ m, 40nm (bottom right) interior. **D)** Number of enlarged lysosomes per field imaged. **E)** β -cell granule density. For (D, E) each dot represents one image (n=3 mice/genotype, 9-13 images/mouse). **F)** Representative confocal microscopy images of β -cells within MIR125B-Tg and control islets immunostained with anti-Cathepsin D (red) and anti-LAMP1 (green) antibodies. Yellow circles represent individual cells. Blue arrows show examples of only Cathepsin + particles and red arrows show particles with both LAMP1 and Cathepsin D + staining. ImageJ was used to quantify Cathepsin D/LAMP1 stained particles within each cell, represented in the right hand-side graph as percentage of LAMP1+ particles per cell. Each dot represents an individual islet with the average of 3-8 cells quantified per islet, extracted from 2 control (C) and 2 MIR125B-Tg mice. Error bars represent SEM. * $p < 0.05$, ** $p < 0.01$, **** $p < 0.0001$, Welch t test.

Figure 7. MiR125b overexpression alters gene expression in mouse and human islets.

A) Gene Ontology analysis of significantly ($p_{adj} < 0.1$) down-regulated (left, red) and up-regulated genes (right, green) in MIR125B-Tg islets from 6-week old mice vs controls performed with DAVID. The graph shows enrichment scores for one representative term for each cluster grouped by semantic similarities and including terms with p_{adj} (Benjamini) < 0.05 . See Supp Table 6 for a full list of terms. **B)** KEGG pathway “Insulin secretion”. Red and blue stars indicate significantly down- and up-regulated genes in MIR125B-Tg islets vs control, respectively. *Syt14* (granuphilin) has been manually added to the pathway. **C)** Glucose-stimulated insulin secretion (left hand-side panel) and insulin content (right hand-side panel)

quantified after 30 minutes of 15 mM glucose stimulation following 1h pre-incubation at 3 mM glucose of human islets infected with adenovirus expressing miR-125b (Ad-MIR125B) or a non-targeting control (C) at 5 MOI 48h before the experiments. GSIS data is presented as fold change of basal level. Each dot represents an independent experiment performed with islets from two different donors. **D)** Western blot showing reduced M6PR protein levels infection of dissociated human islets from three different donors (D1-3) infected with Ad-MIR125B or control adenovirus (2 MOI) for 48h. Bar graphs show densitometry quantification of M6PR, using ImageJ, normalized by Tubulin and presented relative to the control.

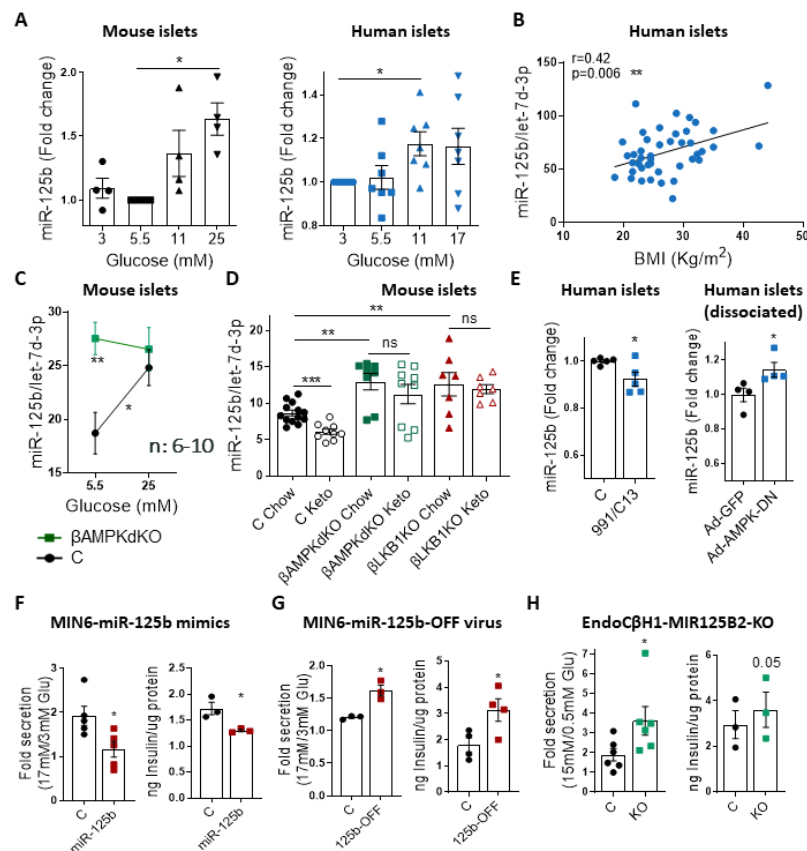


Figure 1. MiR-125b expression is stimulated by glucose via AMPK repression in islets and regulates insulin secretion in insulinoma/β-cell lines. RT-qPCR measurements of A-E, MiR-125b in (A) mouse and human islets cultured at the indicated glucose concentrations for 48h, (B) human islets (from non-diabetic donors) kept for 24h at 5.5mM glucose plotted against donors BMI, (C) islets from βAMPKdKO (green) and control (C, black) mice cultured at 5.5 or 25mM Glucose for 48h, (D) islets from βAMPKdKO (green), βLKB1KO (red) and control (C, black) male and female mice fed a chow or a ketogenic (Keto) diet for 28 days and (E) human islets treated with the AMPK activators C-13 (50nM) and C-991 (20nM) for 18h (left hand-side) and dissociated human islets infected with adenovirus expressing a dominant-negative AMPK protein (Ad-AMPK-DN) or empty control (Ad-GFP) at 5 MOI for 48h (right hand-side panel). Each dot represents islets from a single mouse or human donor. MiR-125b expression is normalized to that of the endogenous control let-7d-3p (4). F-H Glucose-stimulated insulin secretion (GSIS, left hand-side panels) and insulin content (right hand-side panels). GSIS was quantified after 30 minutes of 17 or 15 mM glucose stimulation following overnight preincubation at 3 mM glucose of MIN6 (F, G) and EndoCβ-H1 with CRISPR-mediated miR-125b knockout (H). MIN6 cells were transfected with 5nM miR-125b (125b) or control (C) mimics (F) or infected with adenovirus expressing a miR-125b inhibitor (125b-OFF) or a non-targeting control (C) at 10 MOI (G) 48h before the experiments. Intracellular protein content was quantified by BCA to calculate insulin content per μg of total protein. Data is presented as fold change of basal level. Each dot represents an independent experiment with two-three technical replicates. Experiments were performed with three different populations of CRISPR-mediated miR-125b KO and control cells. Error bars represent SEM. ns=no significant, *p < 0.05, **p < 0.01, ***p < 0.001, one-way ANOVA (repeated measures) and Dunnett multiple comparisons test (A), Pearson Correlation adjusted by age and sex (B), two-way ANOVA (repeated measures) and Bonferroni multiple comparisons test (C), unpaired Welch (D) and paired Student (E-H) t test.

Figure 1

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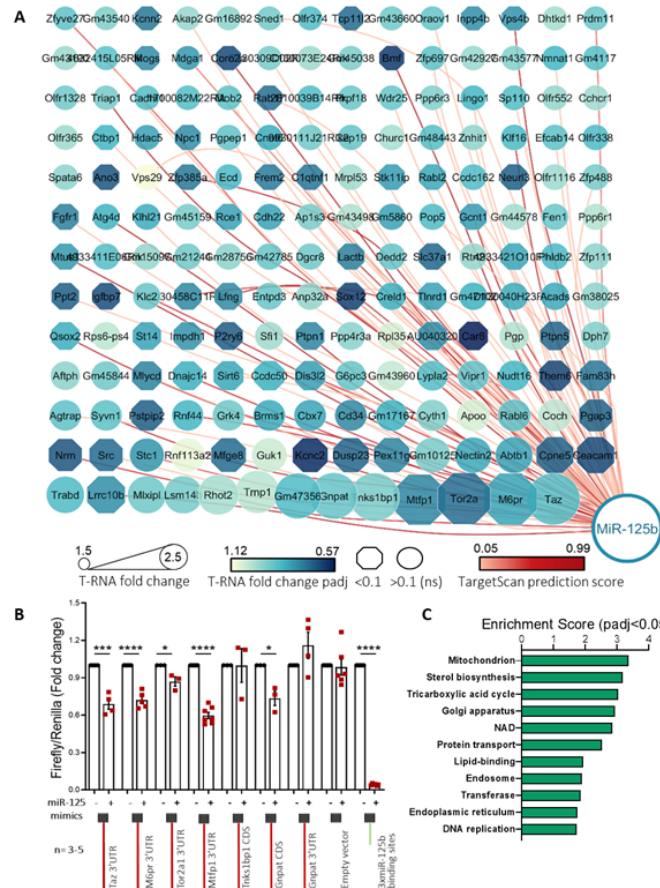


Figure 2

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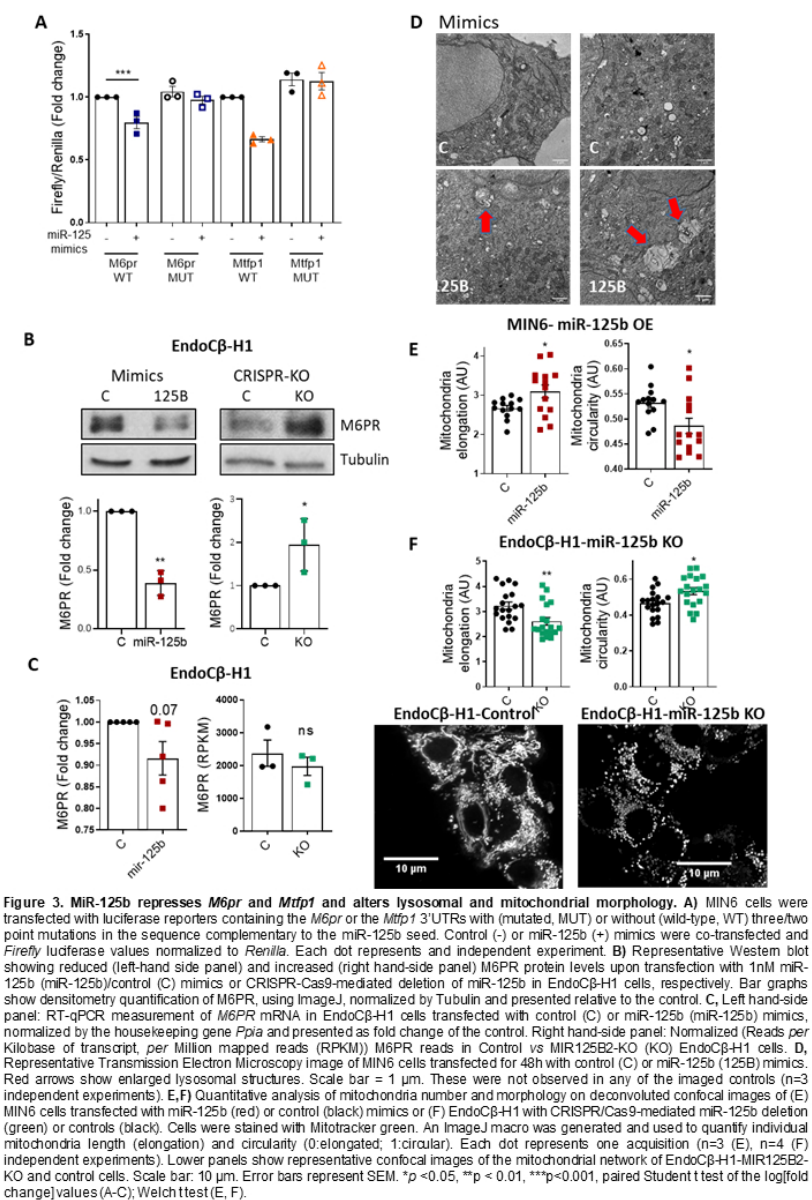


Figure 3

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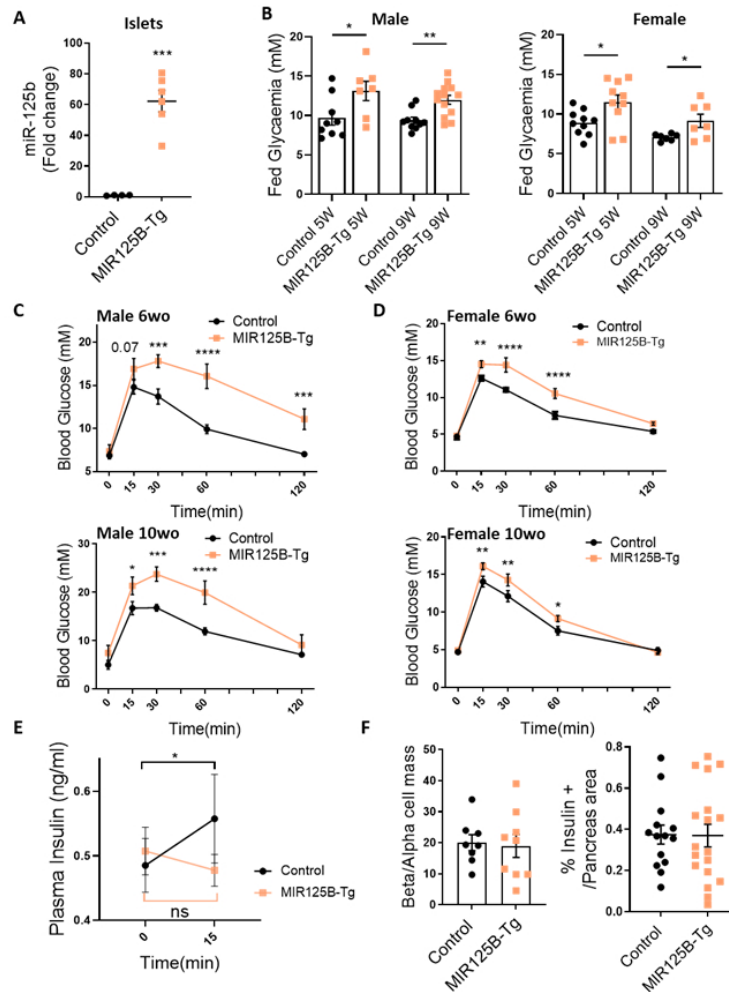


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Figure 4

190x275mm (96 x 96 DPI)

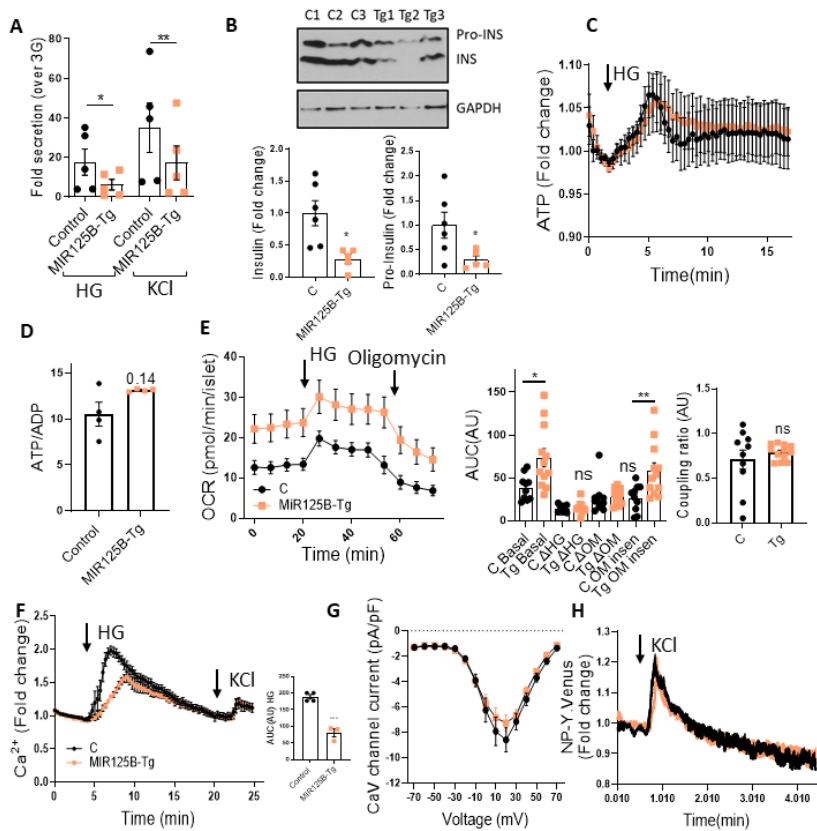


Figure 5. MIR125B-Tg islets contain and secrete less insulin than controls. A) Fold induction insulin secretion vs low glucose (3mM, LG) in response to 30 minutes high (17mM, HG) glucose or KCl (17mM KCl and 3mM Glucose) in islets from 10-11 week old Control (RIP7-rtTA^{+/+}) and MIR125B-Tg (RIP7-rtTA^{+/+}, MIR125B Tg^{+/+}) mice. B) Insulin and pro-insulin content in 10 week old Control (C) and MIR125B-Tg (Tg) mice. A representative WB is shown with islets from 3 C and 3 Tg animals. Bar graphs show densitometry quantification of insulin and pro-insulin, using ImageJ, normalized by GAPDH and presented relative to the average control. C) ATP rises in response to high glucose (17mM vs 3mM) and D) ATP/ADP ratio at 3mM glucose in intact MIR125B-Tg and control islets infected with an adenoviral Perceval sensor, n=4-5 mice/genotype, with 1-2 acquisitions per mouse and an average of 5 islets/acquisition. E) Oxygen consumption rate (OCR) measured in the presence of 3mM or 17mM (HG) glucose and 5μM oligomycin (OM) over time as indicated. Islets were pre-incubated for 1h at 3mM glucose. Left hand-side panel shows traces from the actual experiment. Middle and right hand-side panels show calculations during the indicated periods. "Basal" shows AUC under basal (3mM) conditions, ΔHG and -ΔOM report the change in respiration when 17mM Glucose and oligomycin are added, respectively. The oligomycin insensitive value (OM insen) reports the residual respiration after the addition of oligomycin and coupling ratio (right-hand side panel) represents the oligomycin-sensitive respiration divided by respiration preceding oligomycin. Each dot represents a plate well with 3-6 size-matched islets (n=10-12) extracted from 3 Control (C) and 4 MIR125B-Tg (Tg) mice. F) Ca²⁺ rises in response to high glucose (17mM vs 3mM) and KCl (20mM KCl, 3mM Glucose) in intact MIR125B-Tg and control islets incubated with Cal-520, n=4-5 mice/genotype, with 1-2 acquisitions per mouse and an average of 5 islets/acquisition. AUC corresponding to HG incubation was determined and presented on the right. G) Average maximum Ca_V current densities recorded from control and MIR125B-Tg β-cells in response to 10 mV steps from -70 to 70mV, N= 16 and 29 β-cells from 2 control and 4 MIR125B-Tg mice. H) NP-Y-Venus fluorescence increases in response to 20mM KCl in cells from dissociated MIR125B-Tg and control islets infected with an adenoviral NP-Y-venus sensor, n=3-4C mice/genotype 2th 2 acquisitions per mouse and 1-2 β-cells per acquisition. Each dot represents a single mouse in all graphs unless otherwise indicated. Error bars represent SEM. ns=not significant *p <0.05, **p <0.01, ***p < 0.001, two-way ANOVA (repeated-measures) and Bonferroni multiple comparisons test (A), paired Student (B) and unpaired Welch (D-E) or Student t test (F).

Figure 5

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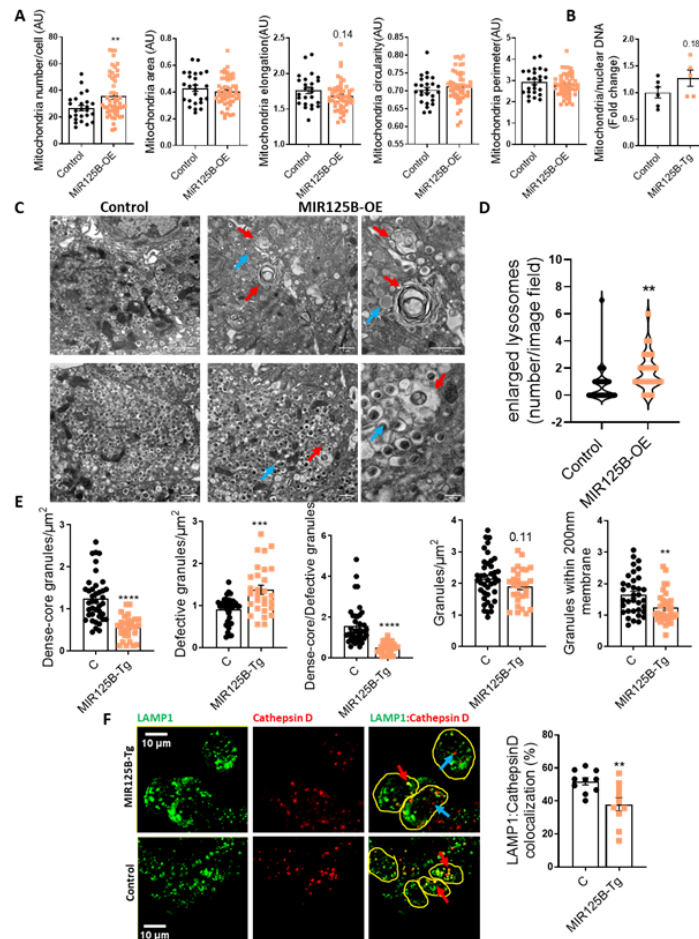
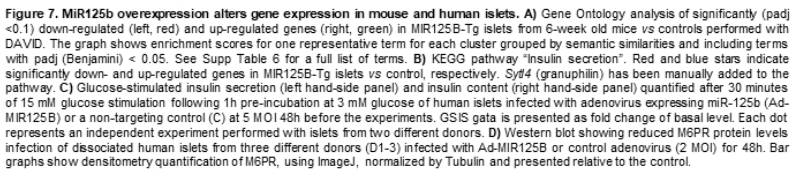


Figure 6. Enlarged lysosomes/autophagolysosomes are abundant in miR-125b transgenic islets. **A)** Quantitative analysis of mitochondria number and morphology on deconvoluted confocal images of dissociated MIR125B-Tg and Control islets from 10-11 week old mice. Cells were stained with Mitotracker green. An ImageJ macro was generated and used to quantify number of mitochondria per cell, total mitochondria area, individual mitochondria length (elongation), circularity (0:elongated; 1:circular) and perimeter. Each dot represents one cell (n=3 mice/genotype). **B)** Mitochondrial DNA copy number, calculated as the ratio of the mitochondrial encoded gene mt-Nd1 to the nuclear Cxcl12. Each dot represents a single mouse. **C)** Representative Transmission Electron Microscopy images of MIR125B-Tg and control β -cells. Red arrows: enlarged lysosomes with undigested cargos. Blue arrows: non-crystallized ("defective") insulin granules, showing a rod-like structure or a light-core or empty interior. Scale bar = 1 μ m, 40nm (bottom right) interior. **D)** Number of enlarged lysosomes per field imaged. **E)** β -cell granule density. For (D, E) each dot represents one image (n=3 mice/genotype, 9-13 images/mouse). **F)** Representative confocal microscopy images of β -cells within MIR125B-Tg and control islets immunostained with anti-Cathepsin D (red) and anti-LAMP1 (green) antibodies. Yellow circles represent individual cells. Blue arrows show examples of only Cathepsin D + particles and red arrows show particles with both LAMP1 and Cathepsin D + staining. ImageJ was used to quantify Cathepsin D/LAMP1 stained particles within each cell, represented in the right hand-side graph as percentage of LAMP1+ particles per cell. Each dot represents an individual islet with the average of 3-8 cells quantified per islet, extracted from 2 control (C) and 2 MIR125B-Tg mice. Error bars represent SEM. *p < 0.05, **p < 0.01, ****p < 0.0001, Welch ttest.

Figure 6

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For Peer Review Only

ONLINE SUPPLEMENTAL MATERIALS

SUPPLEMENTAL FIGURE LEGENDS

Supplemental Figure 1. Human islet miR-125b expression correlates with donor BMI but not with age or sex of the donors.

RT-qPCR measurements of **(A)** human islets cultured at the indicated glucose concentrations for 48h and **(B)** human islets cultured at 5.5mM glucose plotted against islet donor BMI. MiR-125b expression is normalized to that of the endogenous control miR-574-3p. **(C)** RT-qPCR measurements of miR-125b human islets cultured at 5.5mM glucose plotted against islet donor age (left hand-side panel) or sex (right hand-side panel). MiR-125b expression is normalized to that of the endogenous control miR-7d-3p. RT-qPCR measurements of **(D)** islets from β AMPKdKO (green), β LKB1KO (red) and control (C, black) male and female mice fed a chow or a ketogenic (Keto) diet for 28 days and **(E)** human islets treated with the AMPK activators C-13 (50nM) and C-991 (20nM) for 16h (left hand-side) and dissociated human islets infected with adenovirus expressing a dominant-negative AMPK protein (Ad-AMPK-DN) or empty control (Ad-GFP) at 5 MOI for 48h. MiR-125b expression is normalized to that of the endogenous control miR-574-3p. Each dot represents islets from a single mouse or human donor. Error bars represent SEM. $*p < 0.05$, $**p < 0.01$, $***p < 0.001$, one-way ANOVA (repeated measures) and Dunnet multiple comparisons test (A), Pearson Correlation adjusted by age and sex (B), Pearson Correlation (C), two-way ANOVA (repeated measures) and Bonferroni multiple comparisons test (D), and paired Student *t* test (E).

Supplemental Figure 2. MiR-125b regulates insulin secretion in insulinoma/ β -cell lines.

A) MiR-125b RT-qPCR in MIN6 cells transfected with 5nM miR-125b or control (C) mimics. Each dot represents an independent experiment. MiR-125b expression is normalized to that of the endogenous control miR-574-3p and presented as fold change of control-transfected cells. **B-D)** Glucose-stimulated insulin secretion presented as % of secreted insulin from total content and quantified after 30 minutes of 17 or 15 mM glucose stimulation following overnight

preincubation at 3 mM glucose of MIN6 (**B**, **C**) and EndoC β -H1 with CRISPR-mediated miR-125b knockout (**D**). MIN6 cells were transfected with 5nM miR-125b (125b) or control (C) mimics (**B**) or infected with adenovirus expressing a miR-125b inhibitor (125b-OFF) or a non-targeting control (C) at 10 MOI (**C**) 48h before the experiments. Each dot represents an independent experiment. Error bars represent SEM. ns=no significant, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, paired Student t test (A) and two-way ANOVA (repeated measures) and Sidak multiple comparisons test (B-D)

Supplemental Figure 3. Elimination of miR-125b by CRISPR-Cas9 in EndoC β -H1 cells.

A) Schematic representation of the targeting location of the gRNAs in *MIR125B-1* and *MIR125B-2* human loci. Two independent pairs of gRNAs were designed for each loci, targeting the seed of miR-125b (miR-125b-5p) or the regions essential for DROSHA and/or DICER cleavage. **B)** RT-qPCR measurements of (mature) miR-125b in Control EndoC β -H1 (containing the RIP-Cas9 vector, but no gRNAs), MIR125B1-KO1 and MIR125B1-KO2 (containing RIP-Cas9 vector with gRNAs targeting the *MIR125B1* locus, pair 1 (KO1) or pair 2(KO2)), MIR125B2-KO1 and MIR125B2-KO2 (containing RIP-Cas9 vector with gRNAs targeting the *MIR125B2* locus, pair 1 (KO1) or pair 2(KO2)) or combinations of the above gRNAs as indicated. **C)** RT-qPCR of miR-99a and miR-125a in Control (C) and MIR125B2-KO1 (KO) cells demonstrating that elimination of miR-125b using gRNAs targeting the *MIR125B2* locus does not result in reduction of the clustered miRNA miR-99a or in compensatory overexpression of the family member miR-125a. Values were normalized by the endogenous control let-7d-3p and are presented as fold change relative to control cells. Control (C) and MIR125B2-KO1 (KO) cells were **(D)** stained with Annexin V-FITC and propidium iodide (Abcam) and subjected to flow cytometry to determine the percentage of alive cells (Annexin V and PI negative cells) and **(E)** submitted to an MTT assay to determine cellular metabolic activity as absorbance values at 550-690 (Optical density). Each dot represents an independent experiment. ns=not significant, ** $p < 0.01$, *** $p < 0.001$, *** $p < 0.0001$, paired Student t test (D) of the log[fold change] values (B, C)

Supplemental Figure 4. Experimental design and validation for the high-through identification of miR-125b target genes. **A)** Schematic overview of the steps of the experimental approach used for the identification of miR-125b targets. MIN6 cells were transfected with 5nM control of miR-125b mimics for 24h. Then, total RNA was extracted, poly(A)-enriched and prepared for sequencing (n=5, T-RNA) or RNAs present in miRISC complexes were immunoprecipitated with anti AGO2-antibodies and submitted to RNA-seq (n=5, RIP-RNA). Differential analysis of gene expression was performed for both datasets separately generating fold change gene expression (miR-125b vs control) for all genes detected. Then both lists were combined to generate a ratio of Immunoprecipitated vs Total (poly(A) RNA). **B)** Enrichment of miR-125b seed sites in the 3'UTRs (left hand-side panel) and CDSs (right hand-side panel) of the mRNAs ranked according to RIP-RNA/T-RNA. The scatter plot shows the maxima of enrichment profile. Each dot represents a 7-letter word. The Y-position shows the maximum score of an enriched word and the X-position shows the gene-index where the Z-score is maximum. Top-ranked words with a left-shift associate with gene-expression change (lower gene index represents a stronger upregulation in RIP-RNA/T-RNA upon miR-125b transfection). The sequence of mature miR-125b is shown on the right, with the seed region in red. The reverse complementary sequence (RC) is also shown in red.

Supplemental Figure 5. MiR-125b alters mitochondria morphology and genes associated with mitochondrial function. **A, B)** Quantitative analysis of mitochondria number and morphology on deconvoluted confocal images of (A) MIN6 cells transfected with miR-125b (red) or control (black) mimics or (B) EndoCβ-H1 with CRISPR/Cas9-mediated miR-125b deletion (green) or controls (black). Cells were stained with Mitotracker green. An ImageJ macro was generated and used to quantify number of mitochondria per cell, total mitochondria area and individual mitochondria perimeter. Each dot represents one acquisition (n=3 (b), n=4 (c) independent experiments). Error bars represent SEM. **p<0.01, ****p<0.0001, upaired Student t test. **C)** Gene Ontology analysis of dysregulated genes in EndoCβ-H1-MIR125B2-KO vs controls (609 and 81 genes up- and down-regulated, respectively, padj<0.1) performed

with DAVID. The graph shows enrichment scores for one representative term for each cluster grouped by semantic similarities and including terms with $\text{padj (Benjamini)} < 0.05$. See Supp Table 4 for a full list of terms.

Supplemental Figure 6. β -cell-selective overexpression of miR-125b does not alter hypothalamic miR-125b expression, body weight, insulin tolerance and β -cell growth and apoptosis.

A) RT-qPCR of miR-125b in hypothalamus from Control (RIP7-rtTA^{+/+}) and MIR125B-Tg mice (RIP7-rtTA^{+/+}, MIR125B Tg^{+/+}). **B)** Body weight of male and female MIR125B-Tg and littermate control mice monitored weekly from the age of 5 weeks. $n=5-8$ mice/genotype. **C)** Glucose tolerance test in 6 week old mice containing the transgene in the absence of rtTA (-rtTA Control, MIR125B Tg^{+/+}) and littermate controls without the transgene or rtTA, showing that the presence of the transgene doesn't affect glucose tolerance. $n=4-6$ mice/genotype. **D)** Intraperitoneal Insulin tolerance test in 7 week old MIR125B-Tg and littermate control male and female mice. $n=5-8$ mice/genotype. **E,F)** Pancreata from 11 week-old MIR125B-Tg and littermate controls were fixed and subjected to (E) immunocytochemical analysis for insulin and Ki67. The number of Ki67-positive cells is expressed as a percentage of insulin-positive cells (F) TUNEL assay for *in situ* detection of apoptotic cells. The number of TUNEL-positive cells is presented as a percentage of insulin-positive cells. Each dot represents one pancreatic section with $n=3$ mice/genotype. **G)** Insulin secretion in response to 30 minutes low (3mM, LG), high (17mM, HG) glucose or KCl (17mM KCl and 3mM Glucose) in islets from 10-11 week old Control (RIP7-rtTA^{+/+}) and MIR125B-Tg (RIP7-rtTA^{+/+}, MIR125B Tg^{+/+}) mice (left hand-side panel). Insulin and pro-insulin/insulin content in 10 week old Control (C) and MIR125B-Tg (Tg) mice quantified by HTRF (**H**) and Western blot (**I**), respectively. (**I**) shows densitometry quantification using ImageJ of the experiments presented in Figure 5, normalized by GAPDH and presented relative to the average control. **J)** Total pancreatic insulin content quantified using HTRF and presented as relative to total protein from whole pancreata of Control and MIR125B-Tg mice. **K)** Quantitative analysis of lysosomes number and total area on deconvoluted confocal images of dissociated MIR125B-Tg and Control islets

from 10-11 week old mice. Cells were stained with LysoTracker green. An ImageJ macro was generated and used to quantify number of lysosomes per cell and total lysosomal area. Each dot represents one cell (n=3 mice/genotype). ns=not significant, * $p < 0.05$, *** $p < 0.001$, **** $p < 0.0001$, unpaired Student t test (A, E-F, I-K), paired Student t test (H) two-way ANOVA (repeated-measures), Fisher least significance different test (C-D), Bonferroni multiple comparisons test (G).

Supplemental Figure 7. Molecular and Cellular pathways altered in MIR125B-Tg mice.

Heatmaps of significantly downregulated (A) and upregulated genes (B) associated to selected cellular pathways and functions enriched in MIR125B-Tg islets following Gene Ontology analysis. Colour intensity shows magnitude of fold change. For phosphoproteins and glycoproteins, only the ~80 most up-regulated genes are displayed due to space limitations. Please see supplemental table 8 for a comprehensive list of genes.

Supplemental Figure 8. Overexpression of miR-125b in human islets. **A**, RT-qPCR of miR-125b in full human islets 48h following infection with 5 MOI of an adenovirus expressing miR-125b (pAd-MIR125B) or control (pAd-empty). Each dot represents an independent experiment with islets from different human donors **B**) Glucose-stimulated insulin secretion quantified after 30 minutes of 15 mM glucose stimulation following 1h pre-incubation at 3 mM glucose of human islets infected Ad-MIR125B or a non-targeting control (C) at 5 MOI 48h before the experiments. Each dot represents an independent experiment performed with islets from two different donors. **C**) RT-qPCR of miR-125b in dissociated human islets 24h following infection with 2 MOI of an adenovirus expressing miR-125b (pAd-MIR125B) or control (pAd-empty). Each dot represents an independent experiment with islets from different human donors **D**) Principal Component Analysis of the RNA-seq data in human dissociated islets infected with pAd-MIR125B or control (C) adenovirus. HI=Human islets. 3 independent experiments were performed with islets from three different donors (H1-3). **E**) Gene Set Enrichment Analysis (GSEA) of genes ranked by fold change in human islets infected with an adenovirus expressing miR-125 vs control during 24h. The graph shows enrichment scores

for significantly ($p < 0.05$) down- (red, top plot) and up-regulated (green, bottom plot) KEGG pathways terms. See Supp Table 8 for a full list of terms. Examples of enrichment plots (Lysosome and calcium signalling KEGG pathways) are shown in E. $**p < 0.001$, $***p < 0.0001$, $****p < 0.00001$, paired Student t test of the log[fold change] values (A, C), two-way ANOVA (repeated-measures), Bonferroni multiple comparisons test (B).

SUPPLEMENTAL RESEARCH DESIGN AND METHODS

Cells and islets culture

MIN6 cells were cultured in 4.5 g/L glucose Dulbecco's modified Eagle's medium (DMEM) containing 15% FBS, 2mM L-glutamine, 20nM HEPES and 50 μ M β -mercaptoethanol. EndoC- β H1 cells were cultured in 1g/L glucose DMEM supplemented with 2% Bovine Serum Albumin Fraction V, Fatty Acids Free, 10mM nicotinamide, 5.5 μ g/ml transferrin 6.7 ng/ml sodium selenite and 50 μ M 2-mercaptoethanol(2). Mouse pancreatic islets were isolated with collagenase as described previously (3) and allowed for recovery from digestion overnight in culture medium (RPMI 1640, 10% FBS, L-glutamine and 11mM glucose) or directly used for experiments. Human islets were cultured in RPMI 1640, 10% FBS, L-glutamine and 5.5 mM glucose. The characteristics of the human donors are shown in Sup Table 9. Cells and islets were maintained at 37°C with 95% O₂/ 5% CO₂. AMPK activation was performed with 20 mM compound 13 (C13)(4) and 50 mM compound 991(5) as indicated in the figure legends.

Plasmids generation

To generate adenovirus expressing miR-125b, a 426-nucleotide sequence containing pre-miR-125b was amplified by PCR from C57BL6/J mice genomic DNA with the primers 5'-AGGGAGCCAGGATGTAGTCA-3' and 5'-CGGGTCACCTGATCCCATCTA-3' and subcloned into pAdTrackCMV (pAd-MIR125B). Adenovirus were then generated using the AdEasy system(6). Adenovirus containing the empty vector were used as controls.

As above, the PCR-amplified pre-miR-125b-containing region was subcloned into pBI-LTet to generate pBI-LTet-MIR125B.

For reporter assays, full length *Taz*, *M6pr*, *Tor2a1*, *Mtfp1* and *Gnpat* 3'UTRs and *Tnksbp1* and *Gnpat* CDS were amplified by PCR from MIN6 cDNA and subcloned into pmirGLO (Promega), downstream the *Firefly* ORF. MiR-125b binding sites in *M6pr* and *Mtfp1* were identified with TargetScan(7) and three and two point mutations were introduced, respectively, in the sequences complementary to the miR-125b seed using site directed mutagenesis with the primers (mutated nts in bold): *M6pr*: 5'-CTCTCCTGCTGGCT**ACT**GGAAGTGTCTGACCC-3' and 5'-GGGTCAGACACTTCC**AGT**AGCCAGCAGGAGAG-3'; *Mtfp1*: 5'-GTATTTGGGACACTCT**AGGC**AGAGTCTCTGG-3' and 5'-CCAGAGACTCTGCCT**AGAG**TGTCCCAAATAC-3'.

All the constructs were verified by sequencing.

Transfection of miRNA mimics, siRNAs and plasmidic DNA

Cells were transfected at 60-80% confluence with 5 nM/1nM (MIN6, EndoC β -H1, respectively) control or miR-125b mimics (Qiagen) or 50 nM of a mixture of four ONTARGETplus siRNAs against mouse Smad2, Smad3 or non-targeting (Horizon Discovery) as previously described(8; 9). For luciferase assays MIN6 cells were plated at ~70% confluency in 48-well plates, and, the following day, transfected with 0.4 μ l Lipofectamine 2000(ThermoFisher Scientific), 5ng plasmid and 5nM control or miR-125b mimics. After 24 h, cells were lysed and luciferase activity determined with the Dual-Glo luciferase assay system (Promega, UK), following the manufacturer's instructions.

CRISPR-Cas9-mediated deletion of miR-125b in EndoC β -H1 cells

MIR125B-1 and *MIR125B-2* sequences were downloaded from miRBase(10). Using the website tool available at <http://crispr.mit.edu/>, we designed two independent pair of gRNAs targeting the seed region of the mature miR-125b and/or the regions in the pri/pre-miR-125b essential for DROSHA and/or DICER processing (Supplemental figure 2) as in(11). Two different gRNA pairs targeting each locus were subcloned under an H1 and U6 promoter within a lentiviral vector in which hSpCas9 expression is driven by a RIP (rat *Insulin* promoter) using

the cloning strategy described in Beucher and Cebola in Nature Protocol exchange (<https://protocolexchange.researchsquare.com/article/nprot-7395>). EndoC β -H1 cells were transfected with lentivirus expressing these gRNAs and the hSpCas9 and integrating cells were selected by subculture in the presence of 4 μ g/ml puromycin, encoded by the vector. Cells infected with lentiviral vectors containing the RIP-hSpCas9 cassette but without gRNAs were used as control. RT-qPCR for mature miR-125b was performed to assess the levels of the mature miR-125b in the resultant cell populations. All the experiments were performed with controls and KO cell populations generated from at least three independent infections.

Cell viability of EndoC β -H1-MIR125B2-KO and control cells was determined by double staining with Annexin V-FITC (1:500 dilution, Abcam) and 100 μ g/ml propidium iodide (Abcam) using a Bd LSR II flow cytometer at LMS/NIHR Imperial Biomedical Research Centre Flow Cytometry Facility. Cell proliferation was assessed with a Cell Proliferation Kit I (MTT) (Roche) according to manufacturer's instructions in cells cultured in 96-well plates for 72h.

RNA extraction, reverse transcription (RT) and qPCR

Total RNA was extracted using Trizol (Thermofisher) following manufacturer's instructions. RT-qPCR was performed as previously described(8) with miRCURY LNA RT and SYBR Green PCR miRNA kits and miRCURY LNA probes for miRNAs (Qiagen) and High-capacity cDNA transcription kit and Fast SYBR Green (Qiagen) for mRNA and pri-miRNAs. For the latter, an anchored oligo dT primer was used in the RT reaction. MiR-7d-3p and miR-573-3p were used as endogenous controls due to their high stability in our system(8).

MiRISC immunoprecipitation.

MiRISC-immunoprecipitation was performed as previously described(12). Briefly, MIN6 cells were seeded in 15 cm dishes and transfected with 5 nM of control or miR-125b mimic for 24 h. Following transfection cells were washed in cold PBS, scraped in PBS and collected by centrifugation. Pellets were then resuspended in 500 μ l of lysis buffer (20mM Tris-HCl pH7.5, 150mM KCl, 0.5% NP40, 2mM EDTA, 1 mM NaF and 160 U ml⁻¹ RNasin and protease

inhibitors) and pre-cleared with Dynabeads Protein G beads (Thermo Fisher Scientific) for 2 h at 4°C. Precleared extract was incubated with Dynabeads Protein G beads conjugated with 6µg of mouse-anti-AGO2 (clone E12-1C9, Abnova) or mouse IgG (NXA931, Merck) and 1mg/ml of heparin for at 4 C for 16 hours with end-over-end rotation. After washing, the beads-immunoprecipitate were treated with TURBO™ DNase (2 U/µL) (Thermo Fisher Scientific) and proteinase K (20mg/ml) (Thermo Fisher Scientific) for 20 min at room temperature. RNA was extracted using phenol/ chloroform and ethanol/sodium acetate precipitation.

RNA sequencing library preparation, sequencing and analysis

Quantity and integrity of total RNA from MIN6, EndoCβ-H1 and mouse islets was determined with an Agilent Bioanalyzer and mRNA enriched was performed from 500-1000ng of RNA using a NEBNext Poly(A) mRNA Magnetic Isolation Kit (NEB). Library preparation from mRNA and from miRISC-isolated RNA was performed using a NEBNext Ultra II Directional RNA Library Prep Kit for Illumina (NEB) and Universal i5 and i7 primers following manufacturer's instructions. Library preparation from human islets total RNA (200ng) was performed using a NEBNext Low Input RNA Library Prep kit (NEB). Sequencing was performed on a HiSeq4000 using 75 bp paired end reads according to Illumina specifications. For total mRNA ~25-40 million reads/sample and for miRISC RNA~12 million reads/sample were obtained. FastQC (<http://www.bioinformatics.babraham.ac.uk/projects/fastqc/>) was used to assess the quality of the reads obtained and reads were then mapped to the mouse or human transcriptome (GRCm38 and GRCh37, respectively) using Salmon v1.3.0(13). Differential expression analysis was performed with the R package DESeq2(14).

For miRNA target identification, Total mRNA (T-RNA) and immunoprecipitated RNA (RIP-RNA) samples were treated as separate datasets and the two resulting gene lists of differential analysis were used to calculate the ratio of immunoprecipitated RNA to total mRNA (IP-RNA/T-RNA) for each gene detected in both datasets. Genes were ranked by RIP-RNA/T-RNA ratio and subjected to motif discovery and enrichment analysis in their 3'UTRs and CDS with cWords(15). Cytoscape(16) was used to visualize genes with RIP-RNA/T-RNA >1.5

(arbitrary cut-off). Gene set enrichment analysis (GSEA) was performed for genes with a baseMean (average of the normalized count values) > 10 ranked by fold change in gene expression in human islets infected with pAd-MIR125B or pAd-empty (Control) virus against the curated KEGG gene sets collection from MSigDB (Molecular Signature Database). DAVID(17) was used for Gene Ontology enrichment analysis of genes differentially dysregulated ($p_{adj} < 0.1$) in MIR125B-Tg islets, EndoC β -H1 MIR125B2-KO and in MIN6 cells overexpressing miR-125b.

Immunoblot and Immunohistochemistry

For Western blotting, EndoC β -H1 cells, dissociated human islets and whole mouse islets lysates were prepared in RIPA buffer. 5-15 μ g of EndoC β -H1 total protein extract, ~20000 human islet cells extract or 10-20 islets extract was submitted to SDS-PAGE and transferred to 0.2 μ M PVDF membranes. Membranes were incubated overnight with anti-M6PR (sc-365196 Santa Cruz Biotechnology) or anti-Insulin (L6B10, Cell Signalling Technology).

Slides for immunohistochemistry were prepared from isolated pancreata and visualized as previously detailed(18). For β -cell mass and proliferation measurements, slides were blotted with the following primary antibodies: anti-insulin (IR00261-2, 1:4; Agilent Technologies) and anti- glucagon (g2654, 1:100; Sigma) and/or anti-Ki67 (ab15580, 1:100 Abcam) antibodies and mounted using DAPI-containing Prolong Diamond (Life Technologies). To quantify apoptosis, pancreatic sections were submitted to terminal deoxynucleotidyl transferase dUTP nick-end labeling (TUNEL) assay using a DeadEnd Fluorometric TUNEL system kit (Promega) according to the manufacturer's instructions. Slides were visualized with an Axiovert 200M microscope (Zeiss). ImageJ software was used to quantify the area positively stained for insulin and glucagon and the number of Insulin-, Ki67-, TUNEL- and DAPI-positive cells of all visible islets. For β -cell mass we calculated the percentage of pancreatic surface that was positive, as measured in whole pancreas sections separated by at least 25 μ m in the z-axis. For β -to- α cell mass we calculated the ratio of insulin to glucagon positive area in all visible islets.

Islets for immunohistochemistry were fixed in 4% PFA and stained with anti-cathepsin (ab75852, 1:200 Abcam) and anti-LAMP1 (1D4B, 1:100 University of Iowa DSHB) antibodies. Islets were visualized with a LSM780 inverted confocal microscope (Carl Zeiss, Cambridge, UK) using a $\times 63$ 1.4 numerical aperture (NA) oil objective. Five to seven images at different z planes of the islet (top, middle, bottom) were acquired per islet. Z-stacks were prepared from this images in ImageJ and quantifications of the particles with positive staining for cathepsin D, LAMP1 or both, were performed in 3-10 individual cells per islet.

Islet fluorescence imaging

For Ca^{2+} Imaging, whole isolated islets were incubated with Cal-520 (4.5 μM ; Stratech) for 45 min at 37 °C in KRBH containing 3mM glucose. For ATP imaging, 48 hours prior to experiment, islets were infected with an adenovirus containing encoding the ATP sensor Perceval(19). Islets were incubated in KRBH buffer supplemented with 3mM glucose for 45 minutes before imaging. Excitation of the probes was achieved using 491nm and emitted light was filtered at 525nm. Islets were kept at 37°C and constantly perfused with KRBH B containing 3mM or 17mM glucose or 20mM KCl. Fluorescence live imaging was performed using a Nipkow spinning disk head and Velocity software (PerkinElmer). Data were analyzed with ImageJ software using an in-house-made macro, available upon request. For ATP/ADP ratio, the same probe and samples were used but the imaging was performed only at 3mM glucose with excitation at 491 and 405 nm to obtain ratiometric signal.

For TIRF experiments, mouse islet were infected with an adenovirus construct for NPY-venus 48 hour prior to the experiments. Before imaging, islets were dissociated using accutase, pelleted, resuspended in normal culture media and left to attach on a glass slide treated with polylysine. After incubation in KRBH buffer containing 3 mM glucose, slide was mounted in an imaging chamber. Imaging of cells expressing NPY-venus in the secreting vesicle was performed as described previously(20) using a Nikon Eclipse Ti microscope equipped with a $\times 100/1.49$ numerical aperture (NA) TIRF objective, a TIRF iLas2 module to control laser angle (Roper Scientific), and a Quad Band TIRF filter cube (TRF89902, Chroma). Acquisitions were

performed using a 488-nm laser line, and images were captured with an ORCA-Flash 4.0 camera (Hamamatsu). Metamorph software (Molecular Devices) was used for data capture, acquisition speed was set at 3Hz and the laser angle was selected for an imaged section thickness at the cell membrane of 150–180 nm. KCl at 20mM was used to stimulate insulin secretion and added to the well during acquisition after 3 minutes in KRBH 3 mM Glucose. Image analysis was performed using ImageJ to measure mean fluorescence intensity at the cell membrane over time.

For mitochondria morphology analysis MIN6 and EndoC β -H1 cells and dissociated mouse islets cultured in coverslips were pre-incubated for 45 minutes in KRBH solution supplemented with 25, 5 or 11 mM glucose, respectively, and Mitotracker Green™ (100nM for MIN6 and islets, 70nM for EndoC β -H1; ThermoFisher) in a 37°C humidified incubator with 95% O₂/5% CO₂. Mitotracker green was washed with KRBH buffer before imaging. Cell images were acquired with a 60x oil immersion objective lens (Olympus) in a Nikon ECLIPSE Ti microscope. Dissociated islets were imaged on a LSM780 inverted confocal microscope (Carl Zeiss, Cambridge, UK) using a $\times 63$ 1.4 numerical aperture (NA) oil objective. Two to three randomly selected fields of view were taken per acquisition, containing 5-15 MIN6/EndoC β -H1 cells or a single dissociated mouse β -cell. Images were deconvoluted using Huygens software (Scientific Volume Imaging). Mitochondria morphological characteristics (i.e. number, area, elongation, circularity and perimeter) were quantified with ImageJ using an in-house macro (available upon request) as described by Wiemerslage et al (21). Quantifications were performed in z-stacks of 10 images for EndoC- β H1 and MIN6 cells and in three stacks of three images each at the top, middle and bottom of the primary β -cells.

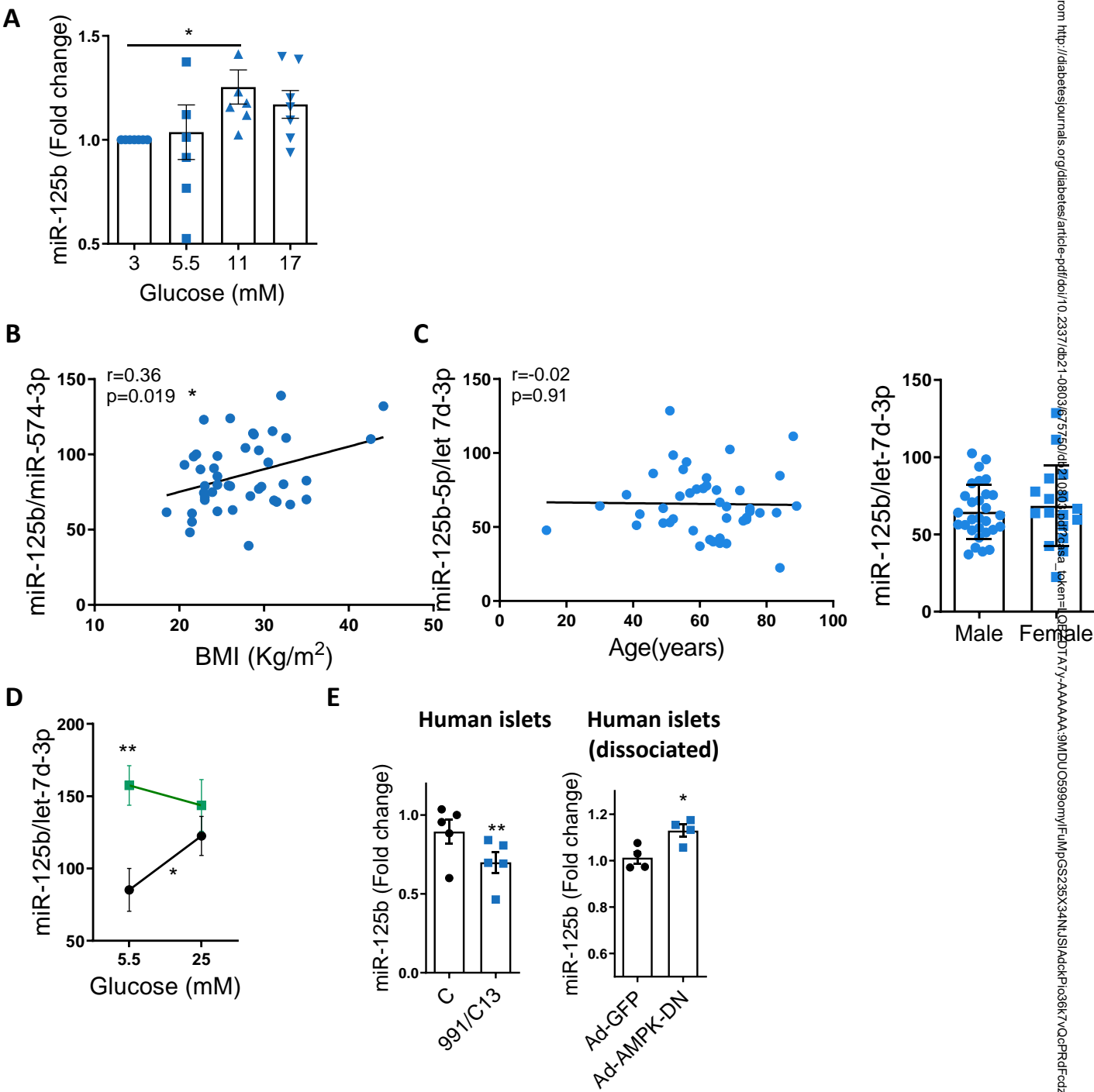
Whole-cell voltage-clamp electrophysiology

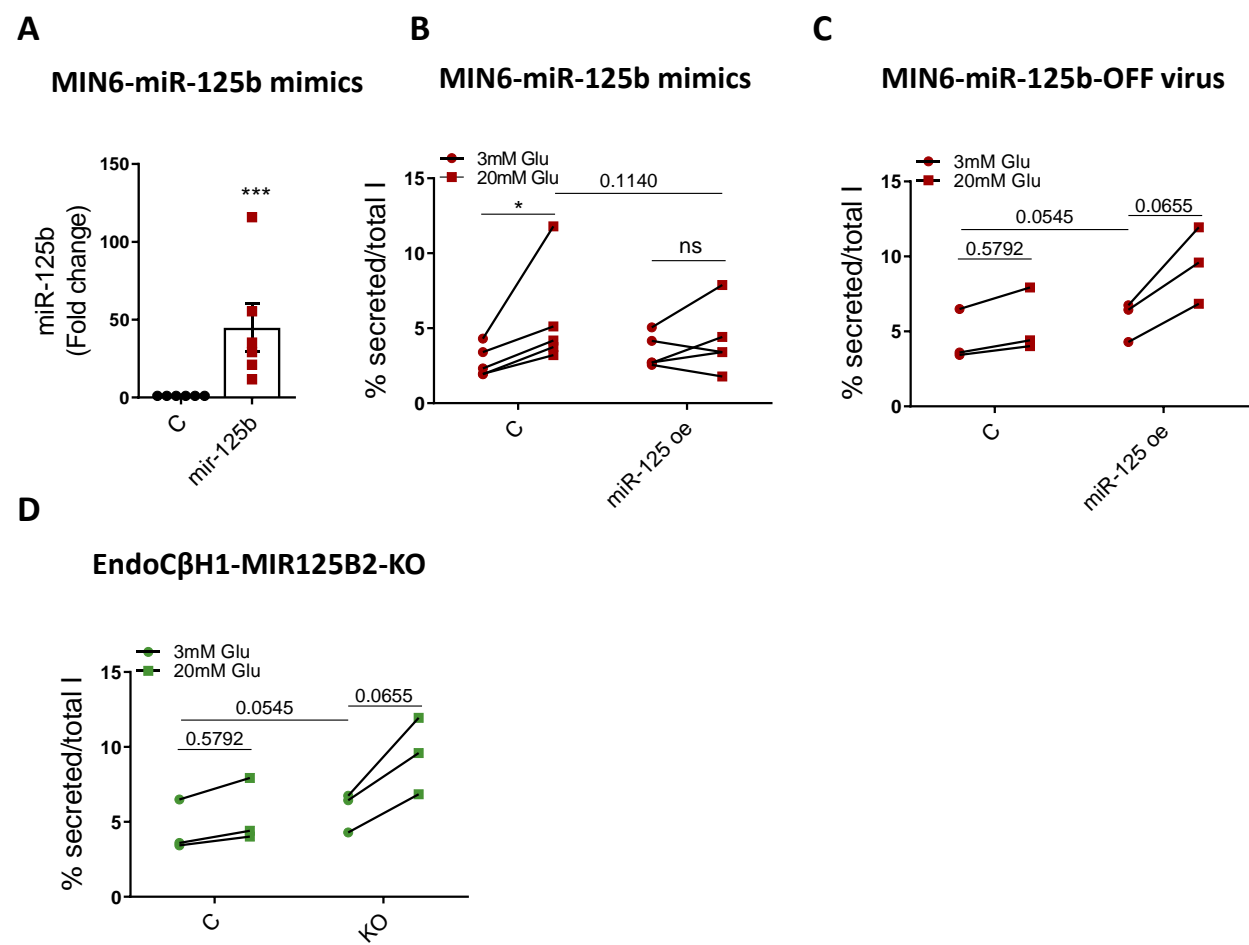
Control and MIR125B-Tg islets were dispersed into single cells by gently titration for 30 seconds in TrypLE™ Express (Thermo Fisher) and cultured overnight in RPMI-1640 medium (RPMI) with 5.6 mM glucose supplemented with 15% fetal bovine serum (FBS), 100 IU·ml⁻¹ penicillin, and 100 mg·ml⁻¹ streptomycin at 37°C, 5% CO₂. Patch electrodes (3-4 M Ω) were

backfilled with intracellular solution containing (mM) 102.0 CsCl, 10.0 TEA-Cl, 10.0 EGTA, 3.0 Na₂ATP, and 5.0 HEPES (pH 7.25 adjusted by CsOH). Voltage-clamp electrophysiology was performed on β -cells in extracellular buffer containing (mM) 119.0 NaCl, 4.7 KCl, 2.0 CaCl₂, 1.2 MgSO₄, 1.2 KH₂PO₄, 10.0 HEPES, and 17.0 glucose (pH 7.35 adjusted by NaOH). After forming a tight seal between the patch pipette and β -cell (seal resistance > 1 G Ω), whole-cell access was established and the bath solution was exchanged (3 minutes; 2 mL/minute flowrate) with extracellular buffer containing (mM) 82.0 NaCl, 5.0 CsCl, 30.0 CaCl₂, 1.0 MgCl, 0.1 EGTA, 20.0 TEA-Cl, 0.1 tolbutamide, and 17.0 glucose (pH 7.35 with NaOH). Starting from a holding potential of -80 mV, voltage-dependent Ca²⁺ (Ca_v) channel currents were generated through application of sequential 10 mV depolarizing steps ranging from -70 to +70 mV (500 ms); membrane potential was held at -80 mV for 7.5 seconds between each voltage step. Linear leak currents were subtracted using a P/4 protocol. Ca_v currents were normalized to cell capacitance and normalized peak Ca_v currents plotted as a function of applied voltage.

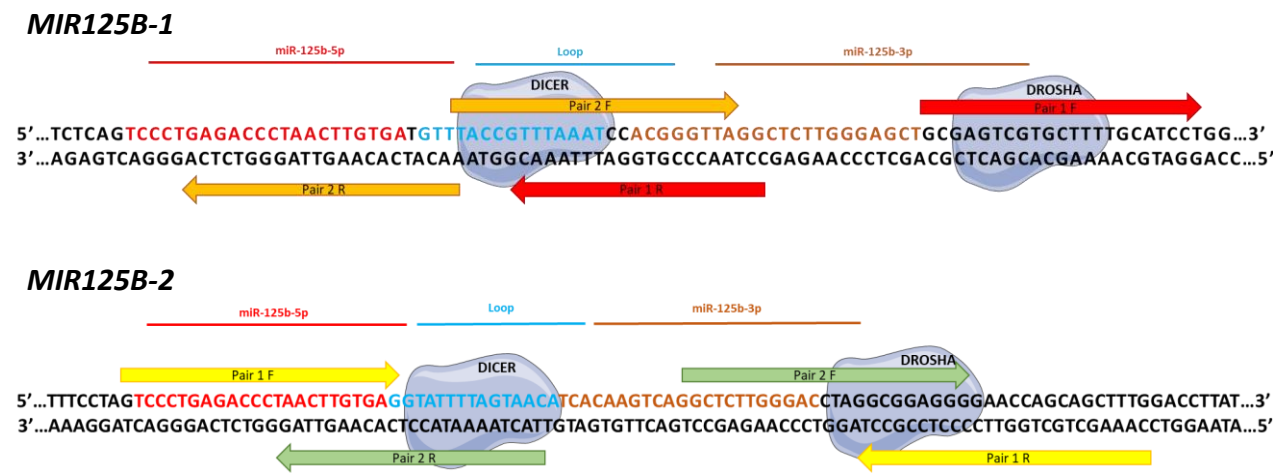
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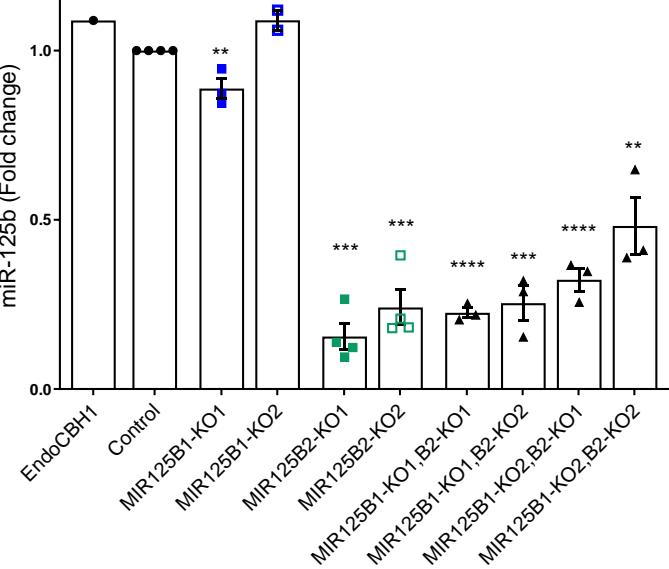




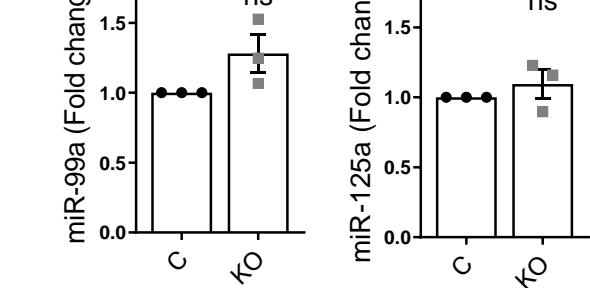
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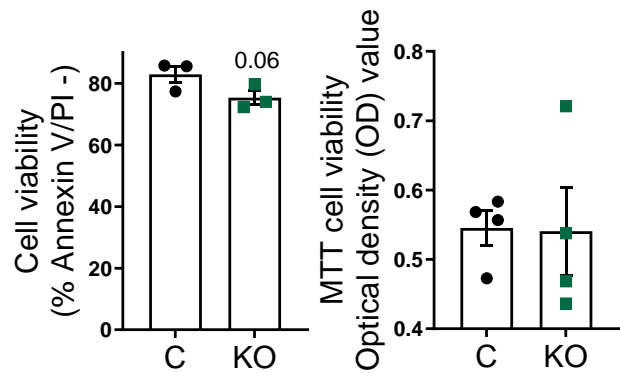
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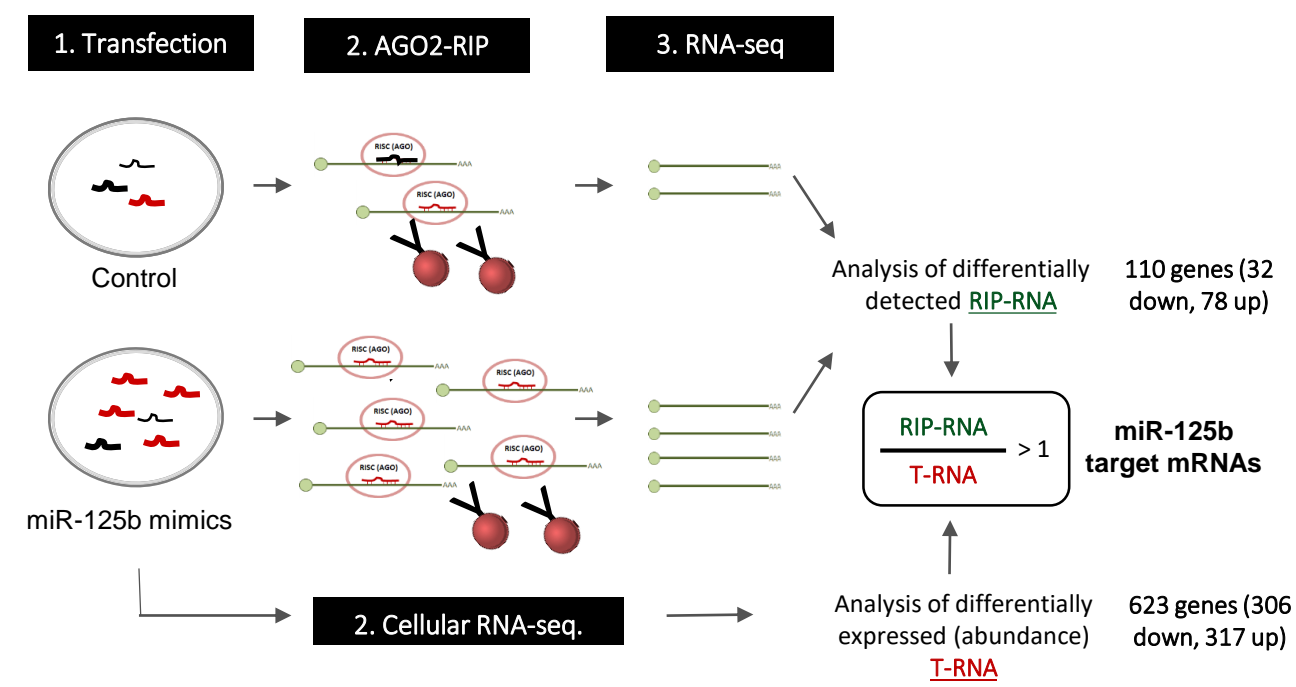
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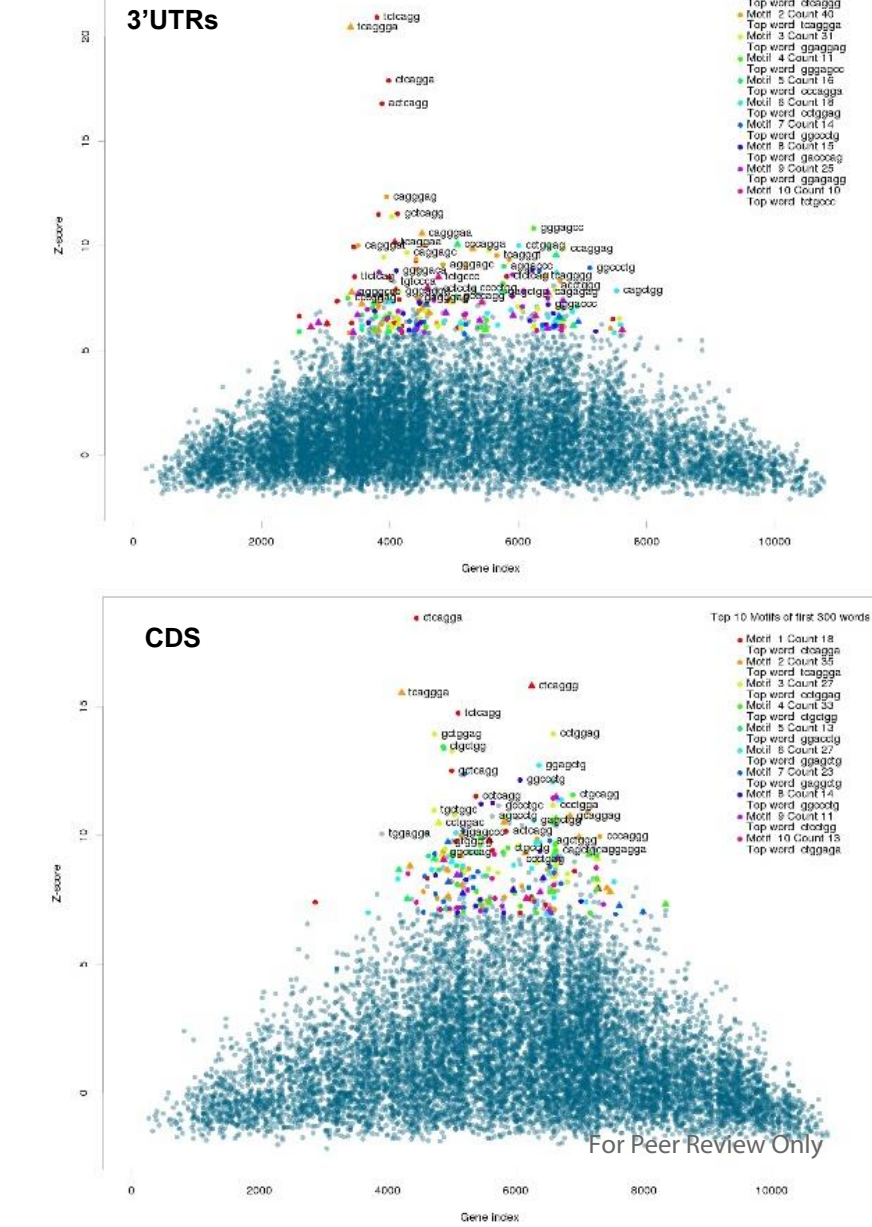
D



A



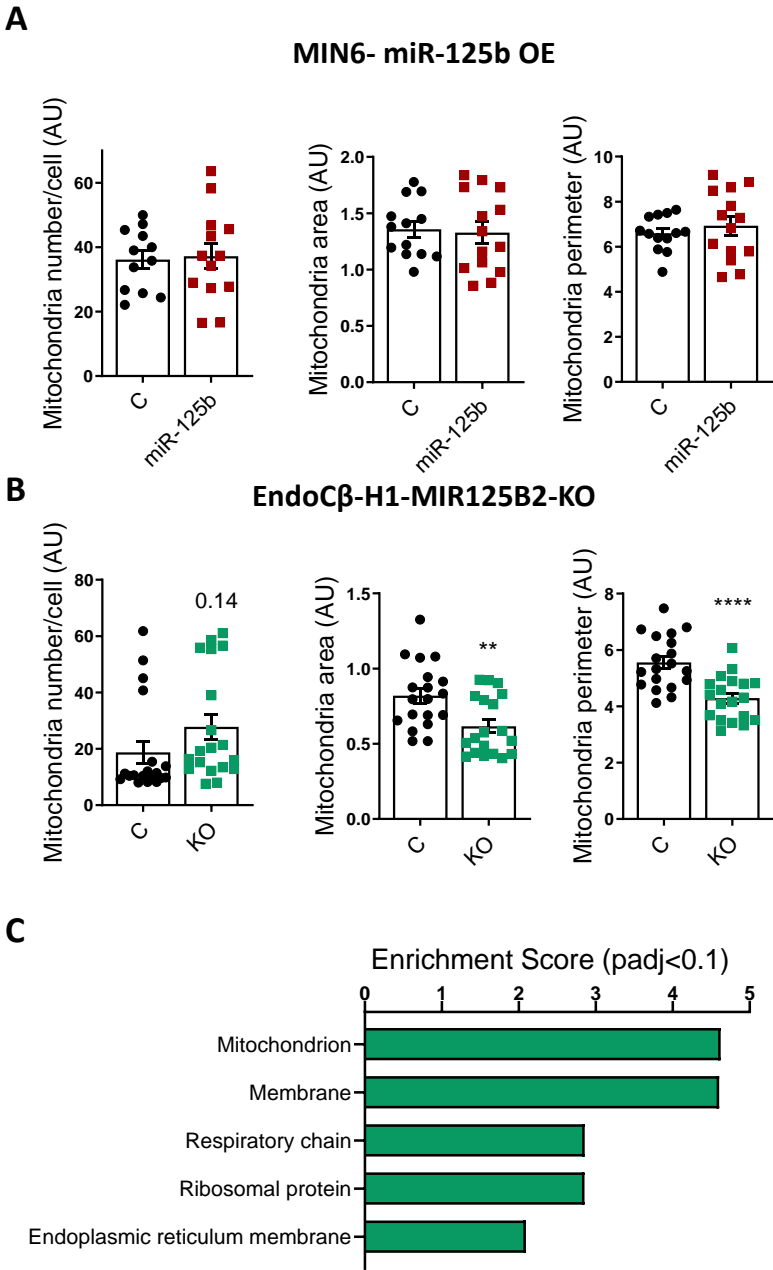
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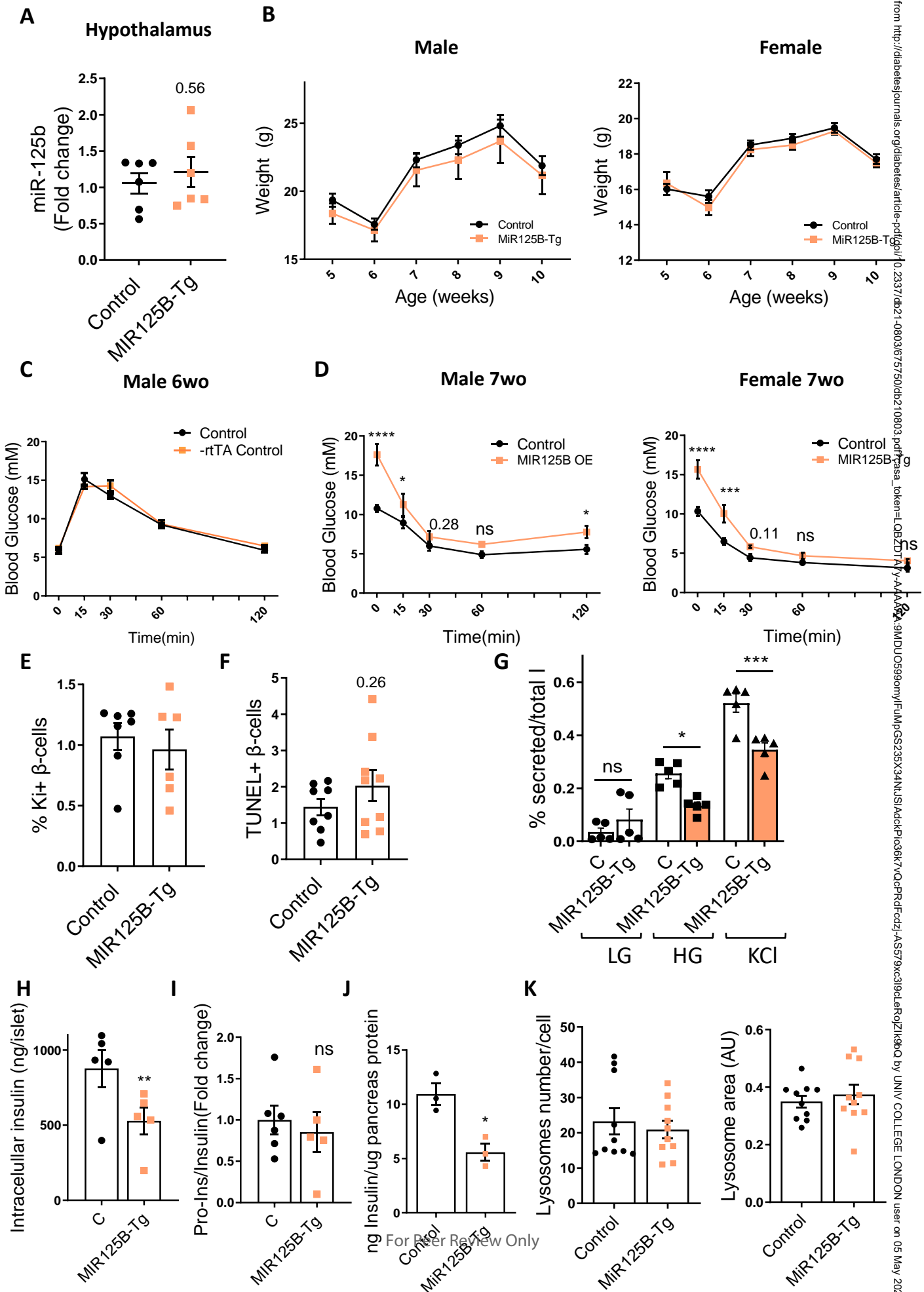


>mmu-miR-125b-5p
UCCCUGAGACCCUAA
CUUGUGA

RC: **TCTCAGGGA**

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A

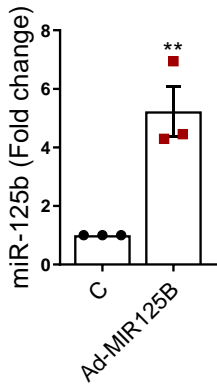
Insulin secretion		Golgi		Glycoproteins		ER	
Gene	log2FoldChange	Gene	log2FoldChange	Gene	log2FoldChange	Gene	log2FoldChange
FFAR1	-1.21974	EMID1	-1.6699	TMIGD3	-2.00788	EMID1	-1.6699
UCN3	-1.19986	MSLN	-1.38883	CAR15	-1.86875	TMED6	-1.35608
GPR119	-1.11149	B3GALT5	-1.07033	EMID1	-1.6699	MUC4	-1.25905
GIPR	-0.98636	B3GALNT1	-0.9301	TMIGD3	-1.63581	CLN6	-1.10723
SLC2A2	-0.94807	CNTNAP2	-0.88555	CDH7	-1.52648	B3GALT5	-1.07033
SSTR3	-0.9436	GALNT14	-0.84766	FFAR3	-1.40117	FMO1	-1.01853
MLXIPL	-0.86601	MCFD2	-0.83908	MSLN	-1.38883	SLC35D3	-0.93592
GLP1R	-0.80968	ZDHHC2	-0.82524	VWA5B1	-1.38188	DIO1	-0.90529
GLUL	-0.71175	PLK3	-0.82351	DCT	-1.37076	MCFD2	-0.83908
PDX1	-0.67944	BMP1	-0.77066	TMED6	-1.35608	ZDHHC2	-0.82524
KCNU1	-0.6569	GALNT18	-0.75762	MUC4	-1.25905	ADORA1	-0.80935
PRKCB	-0.5862	PCSK9	-0.69667	CDHR1	-1.22122	ELOVL2	-0.79347
NKX6-1	-0.58541	CHPT1	-0.68141	SLC40A1	-1.22104	GRIP1	-0.77811
CREB3L1	-0.57256	EGFR	-0.6743	FFAR1	-1.21974	ESYT1	-0.75418
NEUROD1	-0.47897	SVIP	-0.65393	TMPRSS4	-1.21359	PCSK9	-0.69667
SLC37A4	-0.4743	PGAP3	-0.57013	GCGR	-1.20314	EGFR	-0.6743
NKX2-2	-0.43273	RNF128	-0.55974	CPB2	-1.10412	SVIP	-0.65393
AACS	-0.33216	HEPACAM2	-0.54779	B3GALT5	-1.07033	TRAM1	-0.62632
		B3GNT3	-0.54375	PRRT3	-1.00494	G6PC2	-0.61877
		DUSP26	-0.53542	GIPR	-0.98636	GUCY2C	-0.58323
		PKDCC	-0.53344	SLC2A2	-0.94807	CREB3L1	-0.57256
		FUT10	-0.51535	SSTR3	-0.9436	PGAP3	-0.57013
		GGA2	-0.50119	B3GALNT1	-0.9301	RNF128	-0.55974
		POFUT2	-0.47267	CPM	-0.90018	SEC31A	-0.54945
		NMT2	-0.46052	CNTNAP2	-0.88555	PIGO	-0.5264
		LDLR	-0.45331	GPA33	-0.88485	LSS	-0.50743
		TMEM167	-0.44032	CEACAM1	-0.86556	ANGEL1	-0.50638
		KDELRL1	-0.43078	HCN4	-0.85993	POR	-0.49357
		TMED9	-0.39473	ASIC1	-0.84837	ATP2A3	-0.47299
		LMAN2	-0.37793	SLC22A23	-0.83433	POFUT2	-0.47267
				GLP1R	-0.80968	ATL2	-0.44289
				ADORA1	-0.80935	JPH3	-0.44126
				OTOA	-0.80259	KDELRL1	-0.43078
				PCSK4	-0.79671	HS1BP3	-0.40551
				IGFALS	-0.77858	TMED9	-0.39473
				BMP1	-0.77066	SEC61A1	-0.39407
				PLA2G2F	-0.76601	INSIG1	-0.35492
				SYT2	-0.75823		
				FRAS1	-0.75803		
				GALNT18	-0.75762		
				PCSK9	-0.69667		
				GGT7	-0.67943		
				SLC18A1	-0.67778		
				EGFR	-0.6743		
				OLFM4	-0.63233		
				FRZB	-0.62688		
				TRAM1	-0.62632		
				G6PC2	-0.61877		
				PON2	-0.61206		
				NEU1	-0.60585		
				GUCY2C	-0.58323		
				FAM174B	-0.5764		
				CREB3L1	-0.57256		
				SLC7A5	-0.5722		
				PGAP3	-0.57013		
				RNF128	-0.55974		
				AMIGO2	-0.55227		
				HEPACAM2	-0.54779		
				B3GNT3	-0.54375		
				GALR1	-0.5343		
				PKDCC	-0.53344		
				PIGO	-0.5264		
				GRIN2C	-0.52029		
				FUT10	-0.51535		
				TSPAN5	-0.51337		
				ADRA2A	-0.50873		
				QSOX2	-0.50759		
				SIRPA	-0.4979		
				TMEM231	-0.4879		
				POFUT2	-0.47267		
				LDLR	-0.45331		
				NAGA	-0.44593		
				GALNS	-0.44077		
				TMEM167	-0.44032		
				PXMP4	-0.43529		
				TTYH2	-0.43377		
				TMEM8	-0.42853		
				LRFN4	-0.42305		
				SLC29A1	-0.4132		
				TMED9	-0.39473		
				INA	-0.38035		
				LMAN2	-0.37793		
				GNS	-0.31404		

B

Phosphoproteins		Axon		Glycoproteins		Golgi	
Gene	log2FoldChange	Gene	log2FoldChange	Gene	log2FoldChange	Gene	log2FoldChange
PGM5	3.384586	SRCIN1	2.143274	KCNK13	3.078916	P3H2	1.651566
SRCIN1	2.143274	SLC5A7	1.915163	SMOC1	3.040074	FGFR2	1.626991
CRMP1	1.994343	NEFL	1.735895	GABRP	2.117097	SCARA3	1.465067
SLC5A7	1.915163	NTM	1.73145	PDGFC	2.040732	FGFR3	1.453494
CDH6	1.903529	CALB1	1.523657	WNT7B	2.036377	EHF	1.447315
STUM	1.866269	SYT1	1.382168	DLK1	1.917689	ST6GALNAC2	1.424805
LSAMP	1.856173	DTNA	1.313236	SLC5A7	1.915163	MAL	1.395167
NEFL	1.735895	HTR3A	1.286413	CDH6	1.903529	SYT1	1.382168
NOS1	1.714182	ATP1A3	1.274655	EVC2	1.875716	ATP1A3	1.274655
ILAVL2	1.708331	KIF5A	1.178635	AQP5	1.864548	CD14	1.251192
ILDR2	1.683182	NCS1	1.150788	LSAMP	1.856173	HSPB8	1.18827
FGFR2	1.626991	PYGB	1.134098	COL27A1	1.820278	NCS1	1.150788
CHL1	1.625863	TUBB3	1.132731	NEFL	1.735895	ST3GAL4	1.101312
DOC2B	1.57419	KCNA6	1.107624	NTM	1.73145	PLCE1	1.081234
ARHGAP6	1.569496	TGFB2	1.089331	P3H2	1.6516	TMEM59L	1.052226
DPYSL5	1.556181	CNR1	1.044278	FGFR2	1.626991	RAB27B	1.049324
DPYSL3	1.537004	SNCA	1.021912	CHL1	1.625863	SNCA	1.021912
MAPK4	1.528335	PALLD	1.01456	FLRT3	1.616883	ACHE	0.974595
MAP1A	1.510319	ACHE	0.974595	TNFRSF19	1.564367	APC2	0.974596
PCP4L1	1.467693	KCNA2	0.881891	TGFB3	1.547986	ST6GALNAC2	0.973211
FGFR3	1.453484	SEMA6A	0.765375	MFAP2	1.547205	IL17RD	0.969744
DCX	1.442323	PALM	0.764501	KL	1.482683	PTGS1	0.958733
SH3PXD2B	1.433606	ALCAM	0.751319	SCNN1A	1.469131	SMO	0.944736
TIAM1	1.431407	MAPT	0.723769	SCARA3	1.465067	ECE2	0.943318
ADGRG6	1.431193	KCNH1	0.683248	FGFR3	1.453484	PLD1	0.928606
PLCD3	1.425484	MYH10	0.679126	ADGRG6	1.431193	CDC42EP1	0.843105
EPN3	1.423582	CTNNA2	0.629709	ST6GALNAC2	1.424805	PTGFRN	0.841512
LEPR	1.415607	APP	0.491763	LEPR	1.415607	CAV2	0.825713
COL18A1	1.388956	CPT1C	0.468435	FLRT2	1.413927	PARM1	0.821166
SYT1	1.382168	MAP2K1	0.348694	COL18A1	1.388956	MDFIC	0.808606
KLHDC7A	1.380444			SYT1	1.382168	GJA1	0.773144
ADCYAP1R1	1.373177			KLHDC7A	1.380444	EMP2	0.77288
CARD10	1.365265			ADCYAP1R1	1.373177	SMPD3	0.701122
FERMT1	1.35601			COL9A2	1.358039	CREG2	0.699288
SULT1A1	1.332353			INHBA	1.342248	SORL1	0.657566
SOX5	1.322169			OLFML2B	1.305021	IRGM2	0.639011
DTNA	1.313236			ERBB2	1.297039	LARGE1	0.635344
ERBB2	1.297039			HTR3A	1.286413	SPRY1	0.627566
CLDN2	1.285768			SPOCK3	1.280884	ZDHHC9	0.614066
DPP10	1.276844			DPP10	1.276844	RAB31	0.612466
ATP1A3	1.274655			ANO1	1.269384	APP	0.491763
ANO1	1.269384			CD14	1.251192	ENTPD6	0.398712
SFN	1.249896			CP	1.229932	MAP2K1	0.348694
REEP1	1.237442			PRELP	1.209164		
HSPB8	1.18827			LAMA5	1.189775		
EVPL	1.18489			SNED1	1.153812		
SHROOM1	1.183754			LYNX1	1.1496		
KIF5A	1.178635			GDF10	1.140987		
CLMN	1.166565			SDC1	1.128319		
PYGB	1.134098			APCDD1	1.128		
TUBB3	1.132731			KIRREL	1.122798		
SDC1	1.128319			ST3GAL4	1.101342		
BACH2	1.128003			LGI2	1.099607		
KIRREL	1.122798			SLC52A3	1.098478		
AMOT	1.110241			TGFB2	1.089331		
DCLK1	1.110144			ARNTL	1.083724		
KCNA6	1.107624			ADAMTSL4	1.083002		
STRIP2	1.102385			KCNQ1	1.075632		
KCNN4	1.099209			SEMA3B	1.073551		
SLC52A3	1.098478			TMEM59L	1.052226		
HK1	1.093945			SLIT2	1.051137		
WWC1	1.085285			RNF43	1.046204		
ARNTL	1.083724			CNR1	1.044278		
PLCE1	1.081234			GAS6	1.032908		
PALMD	1.078257			PLAUR	1.030368		
KCNQ1	1.075632			PLAT	1.02416		
PTPN14	1.064004			AGRN	1.020408		
MMP14	1.0492			NOTCH2	1.013127		
CNR1	1.044278			ENPP3	1.011407		
HMGCS2	1.043029			HAPLN1	1.011075		
KCNQ2	1.039918			SEMA3C	1.009993		
GAS6	1.032908			SEMA4F	1.007728		
PLS3	1.031522			CRIM1	1.003023		

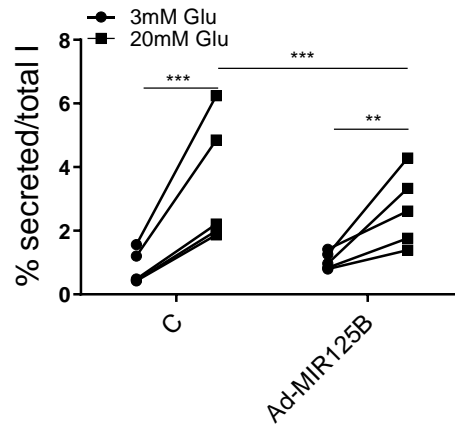
A

Full islets



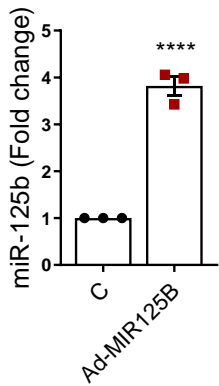
B

Human islets -miR-125b adenovirus

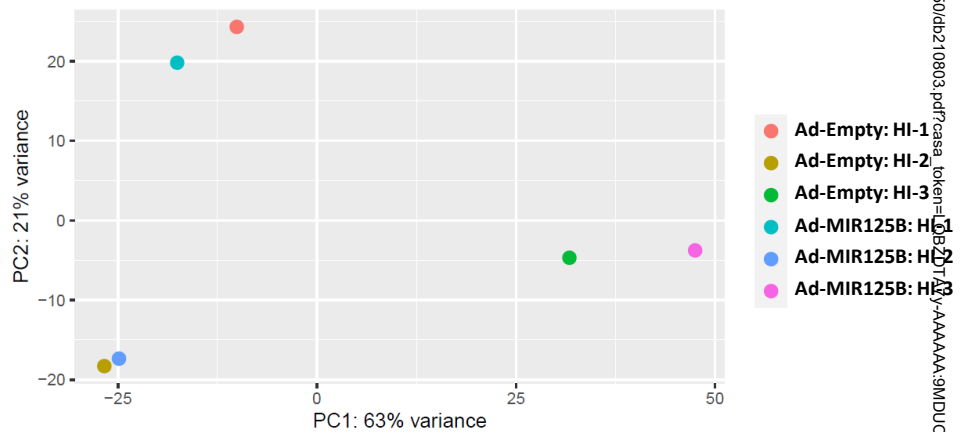


C

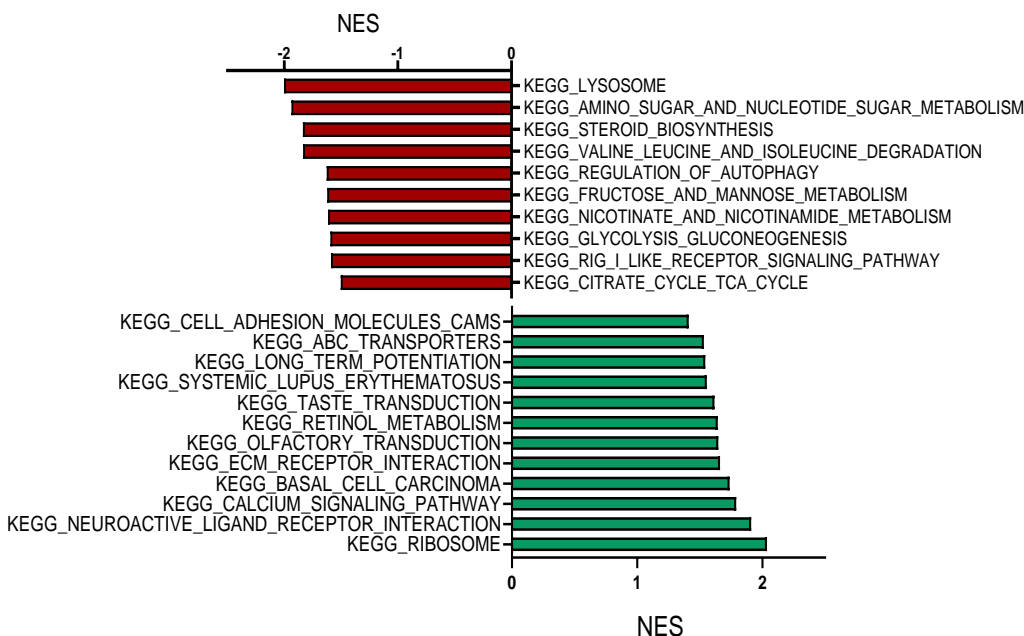
Dissociated islets



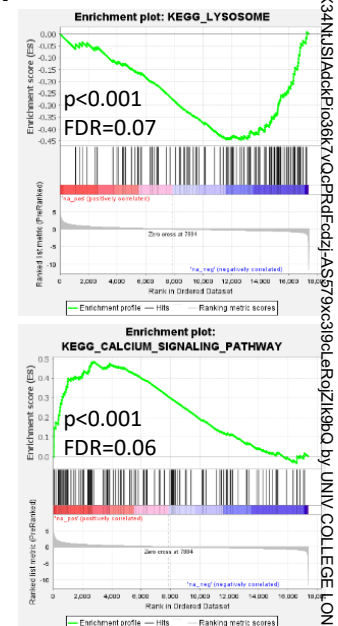
D



E AD-MIR12B human islets- GSEA



F



Supplemental Table 1. T-RNA: Gene Expression for all detected genes; Fold change in MIN6 cells transfe

Gene.stable	Gene_Id_D	baseMean	log2FoldCh	lfcSE	stat	pvalue	padj	Gene.name
ENSMUSG0	ENSMUSG0	7044.871	0.215575	0.082808	2.60333	0.009232	0.146915	Gnai3
ENSMUSG0	ENSMUSG0	2585.529	0.288628	0.079656	3.623419	0.000291	0.016537	Cdc45
ENSMUSG0	ENSMUSG0	337.6802	-0.27055	0.137299	-1.97051	0.04878	0.356386	Scml2
ENSMUSG0	ENSMUSG0	980.6444	0.02734	0.145981	0.187284	0.851438	0.969606	Narf
ENSMUSG0	ENSMUSG0	601.4246	-0.09433	0.131081	-0.71959	0.471775	0.841277	Klf6
ENSMUSG0	ENSMUSG0	1752.821	0.012117	0.10245	0.118271	0.905853	0.982338	Scmh1
ENSMUSG0	ENSMUSG0	6676.802	0.323918	0.111498	2.905151	0.003671	0.086386	Cox5a
ENSMUSG0	ENSMUSG0	3208.428	-0.64853	0.134281	-4.82965	1.37E-06	0.000366	Ngfr
ENSMUSG0	ENSMUSG0	149.274	-0.17657	0.13153	-1.34246	0.179445	0.623409	Wnt9a
ENSMUSG0	ENSMUSG0	555.5579	0.075748	0.092452	0.819328	0.412599	0.8062	Fer
ENSMUSG0	ENSMUSG0	7559.611	-0.08453	0.129778	-0.65138	0.514801	0.862556	Xpo6
ENSMUSG0	ENSMUSG0	1880.089	0.081934	0.069055	1.186505	0.235423	0.683811	Tfe3
ENSMUSG0	ENSMUSG0	167.5148	-0.17279	0.106107	-1.62843	0.103435	0.499892	Axin2
ENSMUSG0	ENSMUSG0	794.4821	-0.15804	0.069054	-2.28863	0.022101	0.236909	Brat1
ENSMUSG0	ENSMUSG0	1445.805	0.043501	0.080512	0.540304	0.588987	0.894745	Gna12
ENSMUSG0	ENSMUSG0	114.6975	-0.07771	0.121622	-0.63896	0.522851	0.867042	Pih1d2
ENSMUSG0	ENSMUSG0	2053.978	0.020613	0.083664	0.246378	0.80539	0.957968	Dlat
ENSMUSG0	ENSMUSG0	5361.185	0.222514	0.08597	2.588289	0.009645	0.150443	Sdhd
ENSMUSG0	ENSMUSG0	2773.94	-0.05051	0.143209	-0.35272	0.7243	0.937928	Ccnd2
ENSMUSG0	ENSMUSG0	1953.504	0.164461	0.067702	2.429177	0.015133	0.192836	Gpr107
ENSMUSG0	ENSMUSG0	900.7775	-0.03587	0.107684	-0.33306	0.739091	0.940232	Nalcn
ENSMUSG0	ENSMUSG0	979.9082	-0.04129	0.07467	-0.55297	0.580286	0.892821	Btbd17
ENSMUSG0	ENSMUSG0	1025.05	0.098851	0.145266	0.680483	0.496199	0.853814	Th
ENSMUSG0	ENSMUSG0	509130.1	-0.06193	0.125479	-0.49352	0.621646	0.907988	Ins2
ENSMUSG0	ENSMUSG0	126.9509	-0.04764	0.122422	-0.38913	0.697183	0.933418	Scnn1g
ENSMUSG0	ENSMUSG0	48.12795	-0.04784	0.145898	-0.32789	0.742995	0.940717	Drp2
ENSMUSG0	ENSMUSG0	522.9201	-0.10747	0.134402	-0.79961	0.423939	0.813996	Lhx2
ENSMUSG0	ENSMUSG0	1877.969	0.005951	0.144905	0.04107	0.96724	0.995086	Gmpr
ENSMUSG0	ENSMUSG0	1229.765	-0.01572	0.09344	-0.16819	0.866431	0.974471	Mid2
ENSMUSG0	ENSMUSG0	1664.315	-0.15512	0.064376	-2.40954	0.015973	0.19824	Trim25
ENSMUSG0	ENSMUSG0	1362.594	-0.1019	0.100754	-1.01136	0.311846	0.745302	Dgke
ENSMUSG0	ENSMUSG0	9725.693	0.194222	0.106745	1.819491	0.068837	0.42107	Scpep1
ENSMUSG0	ENSMUSG0	1028.837	-0.0572	0.121019	-0.47262	0.636487	0.912525	Mnt
ENSMUSG0	ENSMUSG0	489.6701	-0.09702	0.1179	-0.82292	0.410554	0.804083	Hddc2
ENSMUSG0	ENSMUSG0	78.87082	-0.00245	0.139833	-0.01751	0.986029	0.997899	Tpd52l1
ENSMUSG0	ENSMUSG0	301.645	0.043847	0.098681	0.444334	0.656801	0.921231	Pemt
ENSMUSG0	ENSMUSG0	11854.96	0.113443	0.0984	1.152878	0.248961	0.696015	Cdh1
ENSMUSG0	ENSMUSG0	6364.845	0.160148	0.103237	1.551264	0.120838	0.533437	Cdh4
ENSMUSG0	ENSMUSG0	2811.816	0.14222	0.112196	1.267602	0.20494	0.653023	Ckmt1
ENSMUSG0	ENSMUSG0	736.6969	-0.02318	0.074081	-0.31285	0.754397	0.944073	Bcl6b
ENSMUSG0	ENSMUSG0	918.4015	0.054554	0.073921	0.737998	0.460516	0.833092	Arvcf
ENSMUSG0	ENSMUSG0	2767.213	0.069928	0.108507	0.644461	0.519277	0.864728	Comt
ENSMUSG0	ENSMUSG0	1504.153	0.152091	0.090707	1.676728	0.093596	0.479713	Rtca
ENSMUSG0	ENSMUSG0	509.0256	0.112533	0.088355	1.273647	0.202789	0.65035	Dbt
ENSMUSG0	ENSMUSG0	4246.595	-0.33983	0.076828	-4.42333	9.72E-06	0.001528	Dazap2
ENSMUSG0	ENSMUSG0	1046.352	0.143638	0.069117	2.078184	0.037692	0.314792	Mcts1
ENSMUSG0	ENSMUSG0	3092.229	-0.03228	0.067548	-0.47795	0.632685	0.911817	Trappc10
ENSMUSG0	ENSMUSG0	1849.199	0.094669	0.090053	1.051256	0.293141	0.733373	Ccm2
ENSMUSG0	ENSMUSG0	1481.438	0.036715	0.089102	0.412052	0.680302	0.928926	Tbrg4
ENSMUSG0	ENSMUSG0	550.629	-0.01034	0.095211	-0.10856	0.913551	0.983954	Tmprss2

ENSMUSG0ENSMUSG0	86.15918	-0.14494	0.14601	-0.99269	0.320861	0.751482	Mx1
ENSMUSG0ENSMUSG0	30581.59	0.224639	0.128746	1.744825	0.081015	0.450319	Gcg
ENSMUSG0ENSMUSG0	3155.621	0.130632	0.096959	1.347297	0.177885	0.620669	Ndufa9
ENSMUSG0ENSMUSG0	150.6779	-0.05512	0.146011	-0.37748	0.705818	0.934791	Egfl6
ENSMUSG0ENSMUSG0	100.5174	0.092305	0.135281	0.682324	0.495034	0.853381	Lck
ENSMUSG0ENSMUSG0	1247.79	-0.32579	0.139227	-2.34	0.019284	0.218471	Cttnbp2
ENSMUSG0ENSMUSG0	2459.97	0.159213	0.093643	1.700218	0.08909	0.470378	Galnt1
ENSMUSG0ENSMUSG0	795.8476	0.338624	0.097144	3.485806	0.000491	0.023592	Mktn2
ENSMUSG0ENSMUSG0	102.2798	-0.00116	0.141795	-0.00817	0.993483	0.998555	Pparg
ENSMUSG0ENSMUSG0	3017.907	0.120863	0.104752	1.153798	0.248583	0.696015	Raf1
ENSMUSG0ENSMUSG0	204.6364	-0.07708	0.112662	-0.68418	0.493863	0.852903	Grasp
ENSMUSG0ENSMUSG0	807.5429	-0.08016	0.082805	-0.96808	0.333002	0.758648	Acvr1b
ENSMUSG0ENSMUSG0	3523.603	0.102087	0.062928	1.622276	0.104744	0.501847	Tom1l2
ENSMUSG0ENSMUSG0	165.6246	-0.19941	0.143917	-1.38556	0.16588	0.605102	Gpa33
ENSMUSG0ENSMUSG0	318.1449	-0.44467	0.116158	-3.82813	0.000129	0.009751	Zfp385a
ENSMUSG0ENSMUSG0	2368.819	0.077949	0.079681	0.978267	0.327942	0.754804	Wdr77
ENSMUSG0ENSMUSG0	11719.25	0.186482	0.086457	2.156931	0.031011	0.282519	Atp5f1
ENSMUSG0ENSMUSG0	6658.286	0.113406	0.074747	1.517195	0.129218	0.548334	Hnrnpd
ENSMUSG0ENSMUSG0	1240.857	-0.01949	0.101934	-0.19116	0.848402	0.968843	Dynlt1c
ENSMUSG0ENSMUSG0	1095.906	-0.05164	0.092928	-0.55566	0.578441	0.892225	C1d
ENSMUSG0ENSMUSG0	1839.796	-0.00712	0.06485	-0.10976	0.912598	0.983954	Gm2a
ENSMUSG0ENSMUSG0	1809.564	-0.04323	0.081257	-0.53205	0.594694	0.896527	Krit1
ENSMUSG0ENSMUSG0	3043.356	-0.19366	0.067875	-2.85311	0.004329	0.095976	Cln4
ENSMUSG0ENSMUSG0	412.1933	0.19415	0.095713	2.028465	0.042513	0.333069	Sema4f
ENSMUSG0ENSMUSG0	2809.39	0.024898	0.120484	0.206649	0.836284	0.965089	Myo18a
ENSMUSG0ENSMUSG0	1773.027	-0.10361	0.145664	-0.71128	0.476914	0.843045	Sez6
ENSMUSG0ENSMUSG0	834.5218	0.004295	0.143333	0.029962	0.976097	0.996296	Abhd15
ENSMUSG0ENSMUSG0	39.10341	-0.35767	0.145652	-2.45567	0.014062	0.185007	Loxl3
ENSMUSG0ENSMUSG0	1564.52	-0.11146	0.070103	-1.59002	0.11183	0.517065	Kat2b
ENSMUSG0ENSMUSG0	3741.579	-0.08107	0.050266	-1.61278	0.106792	0.5071	Rab5b
ENSMUSG0ENSMUSG0	141.8004	-0.24954	0.134324	-1.85776	0.063203	0.404949	Icosl
ENSMUSG0ENSMUSG0	3168.917	-0.05986	0.085159	-0.70296	0.482083	0.846451	Spg7
ENSMUSG0ENSMUSG0	40.79113	0.101395	0.143786	0.70518	0.480698	0.846451	Sult5a1
ENSMUSG0ENSMUSG0	12980.93	0.077147	0.121249	0.63627	0.5246	0.867774	Rpl13
ENSMUSG0ENSMUSG0	2796.898	0.049956	0.068897	0.725082	0.468402	0.838976	Chmp1a
ENSMUSG0ENSMUSG0	8488.381	0.138321	0.069397	1.993195	0.04624	0.346275	Rpa1
ENSMUSG0ENSMUSG0	2141.247	0.073129	0.065555	1.115534	0.264622	0.707886	Tubgcp3
ENSMUSG0ENSMUSG0	886.9796	0.084358	0.0782	1.078745	0.280702	0.721619	Polr3d
ENSMUSG0ENSMUSG0	10308.24	0.080775	0.119266	0.677273	0.498233	0.854018	Ddx3x
ENSMUSG0ENSMUSG0	207.5518	0.143934	0.110614	1.301231	0.19318	0.639447	Slc5a5
ENSMUSG0ENSMUSG0	1333.308	0.061395	0.131267	0.467708	0.639993	0.914081	Usp32
ENSMUSG0ENSMUSG0	149.2393	0.145812	0.124443	1.171719	0.24131	0.689436	Txnrd3
ENSMUSG0ENSMUSG0	1673.775	0.118276	0.122909	0.962308	0.335895	0.759377	Zfp512b
ENSMUSG0ENSMUSG0	4467.277	0.117882	0.077438	1.52228	0.127939	0.547368	Dnajc5
ENSMUSG0ENSMUSG0	1739.178	-0.0118	0.061452	-0.19195	0.847784	0.968759	Tpd52l2
ENSMUSG0ENSMUSG0	2788.28	0.042095	0.123524	0.340789	0.733262	0.938791	Fmr1
ENSMUSG0ENSMUSG0	157.3337	0.041217	0.141012	0.292296	0.770061	0.949297	Bcl11a
ENSMUSG0ENSMUSG0	373.9269	0.101902	0.132261	0.770466	0.441023	0.821346	Il4
ENSMUSG0ENSMUSG0	667.6011	0.093628	0.105318	0.889002	0.374002	0.787458	Pxmp4
ENSMUSG0ENSMUSG0	1278.84	0.138515	0.0858	1.6144	0.106441	0.506152	Dlg3
ENSMUSG0ENSMUSG0	243.1207	0.109169	0.131085	0.832812	0.404951	0.800985	Gnb1l
ENSMUSG0ENSMUSG0	40.22756	-0.00443	0.136444	-0.03248	0.974089	0.996035	Dbh

ENSMUSG0ENSMUSGC	2527.408	0.032348	0.096129	0.336501	0.736493	0.939196	Smarchb1
ENSMUSG0ENSMUSGC	7877.105	0.148167	0.091285	1.623127	0.104562	0.501644	Hip1r
ENSMUSG0ENSMUSGC	515.3367	0.054468	0.086875	0.626973	0.530677	0.869948	Nsun5
ENSMUSG0ENSMUSGC	446.2726	0.098442	0.100916	0.975482	0.329321	0.755901	Top1mt
ENSMUSG0ENSMUSGC	38.95384	0.001987	0.124057	0.016017	0.987221	0.998316	Gm38393
ENSMUSG0ENSMUSGC	355.6699	-0.20904	0.144545	-1.44617	0.14813	0.580458	Slc7a7
ENSMUSG0ENSMUSGC	1759.86	0.143947	0.067359	2.136999	0.032598	0.289577	Oxa1l
ENSMUSG0ENSMUSGC	990.8004	-0.06598	0.090277	-0.7309	0.464838	0.835932	Heatr6
ENSMUSG0ENSMUSGC	3703.211	0.177543	0.058787	3.020105	0.002527	0.067553	Ilf2
ENSMUSG0ENSMUSGC	4702.446	-0.01155	0.057566	-0.20072	0.840915	0.96667	Chtop
ENSMUSG0ENSMUSGC	902.0673	-0.00856	0.086045	-0.0995	0.920739	0.985705	Snapiin
ENSMUSG0ENSMUSGC	160.3425	0.014656	0.093254	0.157167	0.875113	0.97593	S100a4
ENSMUSG0ENSMUSGC	53.31977	-0.47028	0.145974	-3.22168	0.001274	0.042694	Scn4a
ENSMUSG0ENSMUSGC	1230.637	-0.06968	0.094999	-0.73351	0.463247	0.835155	Mapk7
ENSMUSG0ENSMUSGC	1180.529	-0.03082	0.078703	-0.39162	0.695341	0.933115	Epn2
ENSMUSG0ENSMUSGC	879.0743	-0.04997	0.107671	-0.46408	0.642593	0.914852	B9d1
ENSMUSG0ENSMUSGC	2338.833	0.015552	0.083048	0.187268	0.85145	0.969606	Sec24b
ENSMUSG0ENSMUSGC	358.4287	-0.01466	0.090897	-0.16128	0.871869	0.975692	N4bp3
ENSMUSG0ENSMUSGC	1062.511	0.000534	0.086871	0.006145	0.995097	0.998655	Rmnd5b
ENSMUSG0ENSMUSGC	1100.079	0.258051	0.118309	2.181166	0.029171	0.273828	Nhp2
ENSMUSG0ENSMUSGC	784.9432	-0.0826	0.083999	-0.98339	0.325417	0.754238	Vps9d1
ENSMUSG0ENSMUSGC	678.7291	-0.04602	0.090511	-0.5085	0.611101	0.904473	Zfp276
ENSMUSG0ENSMUSGC	1502.162	-0.08468	0.086019	-0.98446	0.324892	0.754224	Mfsd10
ENSMUSG0ENSMUSGC	2136.547	0.060702	0.09341	0.649842	0.515794	0.863015	Luzp1
ENSMUSG0ENSMUSGC	1432.058	0.162067	0.075427	2.148656	0.031662	0.285768	Kctd10
ENSMUSG0ENSMUSGC	1991.931	-0.03584	0.087137	-0.41132	0.680841	0.929222	Poldip2
ENSMUSG0ENSMUSGC	1995.91	0.234804	0.093964	2.49888	0.012459	0.172754	Ift20
ENSMUSG0ENSMUSGC	2436.509	-0.24178	0.104569	-2.31216	0.020769	0.228494	Pcbp3
ENSMUSG0ENSMUSGC	3626.3	-0.03068	0.072902	-0.42088	0.673844	0.927575	Araf
ENSMUSG0ENSMUSGC	201.3692	-0.01552	0.131393	-0.11813	0.905968	0.982338	Cfp
ENSMUSG0ENSMUSGC	653.802	0.05613	0.111484	0.50348	0.614627	0.905841	Uxt
ENSMUSG0ENSMUSGC	806.7027	-0.07967	0.113935	-0.69922	0.484418	0.848425	Cnnm3
ENSMUSG0ENSMUSGC	1409.203	0.214835	0.095432	2.251185	0.024374	0.249486	Lman2l
ENSMUSG0ENSMUSGC	1666.437	-0.00356	0.078545	-0.04535	0.96383	0.994356	Mcm3ap
ENSMUSG0ENSMUSGC	1404.44	-0.00115	0.101262	-0.01135	0.990941	0.998539	Pcnt
ENSMUSG0ENSMUSGC	440.9199	-0.07128	0.111884	-0.63708	0.524075	0.867549	Mxd1
ENSMUSG0ENSMUSGC	897.5651	-0.08262	0.077116	-1.07139	0.283992	0.725004	Gmcl1
ENSMUSG0ENSMUSGC	1330.312	0.109685	0.092236	1.189176	0.234371	0.68322	Snrrnp27
ENSMUSG0ENSMUSGC	266.129	-0.04086	0.134626	-0.30347	0.761529	0.946388	Oas1c
ENSMUSG0ENSMUSGC	2141.006	0.047929	0.079806	0.600571	0.548126	0.877475	Ocr1
ENSMUSG0ENSMUSGC	25816.74	-0.06744	0.101715	-0.66306	0.507294	0.85875	Calm1
ENSMUSG0ENSMUSGC	6709.645	0.144098	0.091472	1.575329	0.11518	0.522716	Agpat3
ENSMUSG0ENSMUSGC	121.2502	-0.22957	0.116834	-1.96488	0.049428	0.3591	Sema6b
ENSMUSG0ENSMUSGC	4313.382	0.158763	0.077169	2.057338	0.039654	0.322987	Uhrf1
ENSMUSG0ENSMUSGC	3839.691	-0.01389	0.08208	-0.16924	0.865609	0.974239	Dpp9
ENSMUSG0ENSMUSGC	105.3773	0.009772	0.138774	0.070417	0.943862	0.98915	Ramp2
ENSMUSG0ENSMUSGC	4646.258	0.018728	0.070732	0.264772	0.791185	0.954487	Lsr
ENSMUSG0ENSMUSGC	4894.13	-0.14069	0.076311	-1.84368	0.06523	0.411796	Gramd1a
ENSMUSG0ENSMUSGC	67.81799	0.315101	0.145763	2.161737	0.030638	0.280493	Gabrg1
ENSMUSG0ENSMUSGC	2044.932	0.048731	0.101455	0.480318	0.631001	0.911457	Ckb
ENSMUSG0ENSMUSGC	2540.278	-0.08884	0.092378	-0.96168	0.336212	0.759654	Sp1
ENSMUSG0ENSMUSGC	2292.317	0.113377	0.09907	1.14442	0.252449	0.698438	Myg1

ENSMUSG0ENSMUSGC	503.549	-0.03721	0.118624	-0.31371	0.753739	0.943904	Rarg
ENSMUSG0ENSMUSGC	4056.009	0.122656	0.110043	1.114617	0.265014	0.708436	Pfdn5
ENSMUSG0ENSMUSGC	232.308	-0.15755	0.094774	-1.66238	0.096437	0.486525	Efnb2
ENSMUSG0ENSMUSGC	420.4185	-0.0315	0.096472	-0.3265	0.744045	0.940717	Rrp15
ENSMUSG0ENSMUSGC	204.9234	0.090922	0.129158	0.703957	0.481459	0.846451	Rnd2
ENSMUSG0ENSMUSGC	575.7755	0.01184	0.134542	0.088005	0.929873	0.985827	Srr
ENSMUSG0ENSMUSGC	1383.229	-0.00981	0.065281	-0.1503	0.880531	0.97663	Fbxo9
ENSMUSG0ENSMUSGC	2191.683	0.036619	0.094997	0.385479	0.699883	0.933914	Vps50
ENSMUSG0ENSMUSGC	2835.576	0.196285	0.064887	3.025002	0.002486	0.067001	Hars
ENSMUSG0ENSMUSGC	1977.268	0.102399	0.093546	1.094639	0.273675	0.716594	Zmat2
ENSMUSG0ENSMUSGC	6484.141	-0.05066	0.089911	-0.56349	0.573105	0.890053	Ube2c
ENSMUSG0ENSMUSGC	3226.282	-0.06588	0.10108	-0.65173	0.514574	0.862556	Smg5
ENSMUSG0ENSMUSGC	8051.639	0.256416	0.107073	2.394778	0.01663	0.202349	Cct3
ENSMUSG0ENSMUSGC	4644.25	0.017297	0.113632	0.15222	0.879013	0.976462	Gimp
ENSMUSG0ENSMUSGC	2773.901	0.051041	0.094786	0.538491	0.590238	0.895584	Mef2d
ENSMUSG0ENSMUSGC	51.42423	-0.01181	0.136692	-0.08638	0.931165	0.986321	Tmem79
ENSMUSG0ENSMUSGC	10659.8	0.187402	0.106737	1.755736	0.079133	0.445187	Snd1
ENSMUSG0ENSMUSGC	124.3644	-0.03969	0.144547	-0.27457	0.783646	0.95278	Col18a1
ENSMUSG0ENSMUSGC	413.2146	0.006465	0.089272	0.072414	0.942272	0.988724	Slc19a1
ENSMUSG0ENSMUSGC	12848.74	0.152039	0.084973	1.789263	0.073573	0.431524	Kpnb1
ENSMUSG0ENSMUSGC	4149.017	0.07233	0.118529	0.610231	0.541709	0.874942	Npepps
ENSMUSG0ENSMUSGC	2684.41	-0.02807	0.082388	-0.34069	0.733337	0.938791	Mrpl10
ENSMUSG0ENSMUSGC	4848.549	0.279464	0.13078	2.136905	0.032606	0.289577	Cyp51
ENSMUSG0ENSMUSGC	11910.78	0.01575	0.065192	0.241602	0.809088	0.958353	Tcf25
ENSMUSG0ENSMUSGC	2002.65	-0.11573	0.078145	-1.48098	0.138612	0.566787	Tubb6
ENSMUSG0ENSMUSGC	2040.847	-0.08138	0.123838	-0.65718	0.511066	0.860852	Def8
ENSMUSG0ENSMUSGC	57.9221	0.126995	0.145475	0.872965	0.382682	0.790739	Col1a1
ENSMUSG0ENSMUSGC	1819.75	0.239297	0.067662	3.536649	0.000405	0.020834	Itga3
ENSMUSG0ENSMUSGC	46.76316	0.324052	0.145268	2.230723	0.0257	0.256545	Sgca
ENSMUSG0ENSMUSGC	3739.222	-0.02277	0.110534	-0.20603	0.836768	0.965313	Foxm1
ENSMUSG0ENSMUSGC	855.7605	0.052233	0.095498	0.546952	0.584412	0.893087	Itfg2
ENSMUSG0ENSMUSGC	37.78505	-0.16219	0.145991	-1.11098	0.266576	0.709683	Nrip2
ENSMUSG0ENSMUSGC	1144.148	0.157027	0.063166	2.485954	0.01292	0.176955	Tulp3
ENSMUSG0ENSMUSGC	626.7775	0.024552	0.10477	0.234346	0.814717	0.959419	Gtf2h4
ENSMUSG0ENSMUSGC	44820.36	0.132387	0.085401	1.550177	0.121099	0.533883	Tubb5
ENSMUSG0ENSMUSGC	749.4029	-0.21303	0.13401	-1.58963	0.111918	0.517292	Ell2
ENSMUSG0ENSMUSGC	10788.75	0.110449	0.1221	0.904578	0.365689	0.782607	Jup
ENSMUSG0ENSMUSGC	1264.978	-0.15296	0.126444	-1.20972	0.226386	0.675764	Mnx1
ENSMUSG0ENSMUSGC	1199.085	0.024865	0.080553	0.308681	0.757564	0.945152	Nom1
ENSMUSG0ENSMUSGC	7164.526	0.329279	0.092289	3.567893	0.00036	0.019165	Ergic1
ENSMUSG0ENSMUSGC	753.4179	0.039226	0.077751	0.504504	0.613907	0.905746	Tnk1
ENSMUSG0ENSMUSGC	128.9004	-0.3323	0.139928	-2.37481	0.017558	0.206966	Csn3
ENSMUSG0ENSMUSGC	2129.58	-0.03923	0.08431	-0.46533	0.641693	0.914411	Ifrd1
ENSMUSG0ENSMUSGC	1139.173	0.086856	0.104705	0.829536	0.406801	0.801957	Stk38l
ENSMUSG0ENSMUSGC	1251.246	-0.13762	0.079077	-1.74028	0.081809	0.451876	Brpf1
ENSMUSG0ENSMUSGC	2600.745	-0.06877	0.098202	-0.70034	0.483716	0.847978	Akr1b3
ENSMUSG0ENSMUSGC	340.6562	-0.05334	0.140859	-0.37867	0.704932	0.93471	Gstt1
ENSMUSG0ENSMUSGC	1441.77	0.221162	0.086816	2.547482	0.01085	0.161511	Ddt
ENSMUSG0ENSMUSGC	192.8828	-0.0563	0.140824	-0.39977	0.689323	0.931451	Tat
ENSMUSG0ENSMUSGC	506.1948	0.251585	0.083262	3.021598	0.002514	0.067491	Marveld3
ENSMUSG0ENSMUSGC	1574.482	-0.00049	0.073622	-0.00661	0.994728	0.998655	Ddx18
ENSMUSG0ENSMUSGC	8451.243	-0.06007	0.089033	-0.67468	0.499877	0.855025	Ubl3

ENSMUSG0ENSMUSGC	3687.204	0.392852	0.118384	3.318448	0.000905	0.035013	Gramd3
ENSMUSG0ENSMUSGC	551.4965	0.045251	0.102747	0.440408	0.659642	0.922745	Eef1e1
ENSMUSG0ENSMUSGC	6238.05	0.153533	0.066077	2.323549	0.02015	0.224638	Akt1
ENSMUSG0ENSMUSGC	331.2647	0.043466	0.111975	0.388174	0.697887	0.933691	Tcirg1
ENSMUSG0ENSMUSGC	3056.034	-0.15132	0.077545	-1.95142	0.051007	0.364804	Naglu
ENSMUSG0ENSMUSGC	1479.763	0.048184	0.065747	0.732874	0.463635	0.835432	Coasy
ENSMUSG0ENSMUSGC	105.5483	-0.02961	0.122037	-0.2426	0.808313	0.958353	Tspan33
ENSMUSG0ENSMUSGC	974.9421	0.050761	0.070838	0.716573	0.473637	0.8419	Crnkl1
ENSMUSG0ENSMUSGC	52.92545	-0.10197	0.137662	-0.74073	0.458854	0.832245	Rin2
ENSMUSG0ENSMUSGC	2078.876	0.082068	0.121528	0.6753	0.499485	0.854881	Chordc1
ENSMUSG0ENSMUSGC	4869.817	0.032499	0.082627	0.393318	0.694084	0.9325	Rtcb
ENSMUSG0ENSMUSGC	1202.397	-0.02468	0.061395	-0.40207	0.687635	0.931173	Pwp1
ENSMUSG0ENSMUSGC	1130.368	0.033153	0.070825	0.468105	0.63971	0.913959	Fbxo7
ENSMUSG0ENSMUSGC	7831.109	0.173267	0.099748	1.737053	0.082378	0.453706	Capns1
ENSMUSG0ENSMUSGC	56.42416	-0.19513	0.137894	-1.41506	0.157051	0.595737	Lrp3
ENSMUSG0ENSMUSGC	145.8546	0.045785	0.143642	0.318742	0.749922	0.942391	Folr1
ENSMUSG0ENSMUSGC	1501.588	0.110511	0.098923	1.117138	0.263935	0.706972	Clpb
ENSMUSG0ENSMUSGC	4431.376	0.101972	0.077542	1.315061	0.188489	0.635816	Sep-07
ENSMUSG0ENSMUSGC	936.3157	-0.01734	0.119517	-0.14513	0.884612	0.977581	Zdhhc4
ENSMUSG0ENSMUSGC	7474.204	0.037369	0.047365	0.788966	0.430132	0.815773	Rac1
ENSMUSG0ENSMUSGC	1957.587	0.006196	0.120842	0.051276	0.959105	0.993224	Nup214
ENSMUSG0ENSMUSGC	40.67892	0.216658	0.145913	1.484841	0.137586	0.564665	Aif1l
ENSMUSG0ENSMUSGC	1657.269	0.070653	0.084287	0.838244	0.401894	0.79975	Ugp2
ENSMUSG0ENSMUSGC	2144.911	-0.14683	0.137592	-1.06716	0.285899	0.726542	Kcnh6
ENSMUSG0ENSMUSGC	2068.96	0.091331	0.118948	0.767825	0.442591	0.822413	Trmt1
ENSMUSG0ENSMUSGC	6394.438	0.087381	0.088381	0.988682	0.322819	0.75241	Nacc1
ENSMUSG0ENSMUSGC	1049.389	-0.22308	0.123352	-1.80852	0.070525	0.424836	Nfix
ENSMUSG0ENSMUSGC	606.336	-0.15548	0.143943	-1.08017	0.280065	0.72136	Slc1a5
ENSMUSG0ENSMUSGC	14789.26	0.203739	0.065022	3.133415	0.001728	0.051762	Uba1
ENSMUSG0ENSMUSGC	1457.301	0.032445	0.101923	0.318324	0.750239	0.942407	Siae
ENSMUSG0ENSMUSGC	472.7173	0.027122	0.084859	0.319615	0.74926	0.942352	Esam
ENSMUSG0ENSMUSGC	181.4181	-0.11579	0.144975	-0.79865	0.424491	0.813996	Spa17
ENSMUSG0ENSMUSGC	2587.418	0.049367	0.097217	0.507805	0.61159	0.904589	Fam50a
ENSMUSG0ENSMUSGC	3498.706	0.188395	0.0714	2.638581	0.008325	0.138933	Emd
ENSMUSG0ENSMUSGC	241.7929	-0.16033	0.101773	-1.57532	0.115182	0.522716	Taco1
ENSMUSG0ENSMUSGC	263.0721	0.07068	0.137828	0.512812	0.608083	0.903741	Grik3
ENSMUSG0ENSMUSGC	950.4119	0.090152	0.134705	0.669258	0.503331	0.856225	Gria3
ENSMUSG0ENSMUSGC	928.8747	0.009371	0.087307	0.10733	0.914527	0.9841	Sipa1l2
ENSMUSG0ENSMUSGC	353.854	-0.17354	0.140588	-1.23442	0.217046	0.667877	Ap4e1
ENSMUSG0ENSMUSGC	867.437	0.213144	0.142192	1.498981	0.133878	0.557493	Blvra
ENSMUSG0ENSMUSGC	1294.007	-0.0088	0.11082	-0.07943	0.936691	0.986886	Pdzd4
ENSMUSG0ENSMUSGC	3772.694	0.093517	0.072877	1.283225	0.199413	0.646666	Idh3g
ENSMUSG0ENSMUSGC	11906.58	0.117881	0.099898	1.180011	0.237996	0.68698	Ssr4
ENSMUSG0ENSMUSGC	4741.071	0.098183	0.083706	1.172939	0.24082	0.689155	Bcap31
ENSMUSG0ENSMUSGC	2357.351	0.162957	0.089761	1.815468	0.069452	0.422124	Fam98a
ENSMUSG0ENSMUSGC	52.38857	-0.29161	0.145574	-2.00321	0.045154	0.342308	Ltbp2
ENSMUSG0ENSMUSGC	2071.035	0.021629	0.121206	0.178447	0.858372	0.972278	Kmt2a
ENSMUSG0ENSMUSGC	1590.224	0.044344	0.090081	0.492268	0.62253	0.907988	Ift46
ENSMUSG0ENSMUSGC	709.7809	-0.13434	0.141268	-0.95099	0.34161	0.764106	Tmem25
ENSMUSG0ENSMUSGC	778.8473	-0.18214	0.106421	-1.71154	0.086982	0.464219	Trappc6a
ENSMUSG0ENSMUSGC	4841.29	0.052415	0.053603	0.977838	0.328155	0.754981	Supt6
ENSMUSG0ENSMUSGC	3251.711	0.071043	0.091341	0.777782	0.436698	0.819028	Spag5

ENSMUSG0ENSMUSG0	82.1618	-0.31369	0.142045	-2.20838	0.027218	0.263587	Foxn1
ENSMUSG0ENSMUSG0	463.2272	0.168596	0.130381	1.293103	0.195976	0.642065	Unc119
ENSMUSG0ENSMUSG0	957.0618	0.058208	0.085505	0.680755	0.496027	0.853814	Rab34
ENSMUSG0ENSMUSG0	2600.59	0.153237	0.095731	1.600693	0.109445	0.512855	Sdf2
ENSMUSG0ENSMUSG0	1972.435	-0.03598	0.06846	-0.52557	0.599185	0.898911	Ccne1
ENSMUSG0ENSMUSG0	393.9618	-0.11767	0.139162	-0.84557	0.397792	0.798441	Bbc3
ENSMUSG0ENSMUSG0	5081.957	0.187004	0.078332	2.38731	0.016972	0.203528	Psmc3
ENSMUSG0ENSMUSG0	1820.365	-0.05028	0.088162	-0.57029	0.568479	0.888146	Acp2
ENSMUSG0ENSMUSG0	1074.297	0.090853	0.095397	0.95236	0.340915	0.763821	Slc39a13
ENSMUSG0ENSMUSG0	1735.304	0.054427	0.091172	0.596972	0.550526	0.879407	Celf2
ENSMUSG0ENSMUSG0	489.3632	-0.11894	0.099991	-1.1895	0.234244	0.68322	Ddb2
ENSMUSG0ENSMUSG0	2873.548	0.033872	0.077533	0.436876	0.662202	0.924358	Sf3a1
ENSMUSG0ENSMUSG0	867.3401	-0.13438	0.08988	-1.49505	0.134902	0.560073	Stat6
ENSMUSG0ENSMUSG0	3501.247	0.024937	0.119568	0.20856	0.834791	0.964682	Clgn
ENSMUSG0ENSMUSG0	53.38048	0.169051	0.13755	1.229018	0.219065	0.669212	Napsa
ENSMUSG0ENSMUSG0	1477.23	0.010325	0.092722	0.111357	0.911333	0.983831	Vrk3
ENSMUSG0ENSMUSG0	967.6174	-0.03232	0.08582	-0.37664	0.706445	0.934791	Smg9
ENSMUSG0ENSMUSG0	4473.082	-0.09409	0.116933	-0.80463	0.421034	0.812025	Paxip1
ENSMUSG0ENSMUSG0	2886.891	-0.17217	0.116068	-1.48335	0.13798	0.565588	Rmnd5a
ENSMUSG0ENSMUSG0	156.5455	-0.02004	0.135325	-0.14812	0.882251	0.97694	Mov10
ENSMUSG0ENSMUSG0	41.97446	-0.01823	0.138169	-0.13193	0.895041	0.97993	Ppm1j
ENSMUSG0ENSMUSG0	78.33455	-0.0987	0.1444	-0.68354	0.494266	0.852929	Rhoc
ENSMUSG0ENSMUSG0	1003.604	-0.07623	0.116377	-0.65502	0.512452	0.861822	Ppard
ENSMUSG0ENSMUSG0	49.3704	0.035908	0.138281	0.259677	0.795113	0.955451	Def6
ENSMUSG0ENSMUSG0	42751.87	0.074103	0.130411	0.568227	0.569881	0.888936	Peg3
ENSMUSG0ENSMUSG0	5232.28	0.21502	0.146011	1.472629	0.140851	0.571183	Zim1
ENSMUSG0ENSMUSG0	37.46404	-0.1844	0.146006	-1.26296	0.206604	0.65396	Metrn
ENSMUSG0ENSMUSG0	905.2065	0.052487	0.091973	0.570678	0.568218	0.888146	Lmf1
ENSMUSG0ENSMUSG0	801.0429	-0.16183	0.083716	-1.93309	0.053225	0.37491	Narfl
ENSMUSG0ENSMUSG0	1976.699	0.135691	0.11762	1.153641	0.248647	0.696015	Dbf4
ENSMUSG0ENSMUSG0	1040.15	0.165442	0.095465	1.733004	0.083095	0.455218	Daxx
ENSMUSG0ENSMUSG0	965.4351	0.094779	0.088777	1.06761	0.285696	0.726542	Cd320
ENSMUSG0ENSMUSG0	3291.186	0.181508	0.111434	1.628846	0.103346	0.499892	Ipo4
ENSMUSG0ENSMUSG0	4778.151	0.014077	0.067175	0.209552	0.834017	0.964464	Tm9sf1
ENSMUSG0ENSMUSG0	1849.688	-0.11103	0.092882	-1.19541	0.231927	0.681654	Rec8
ENSMUSG0ENSMUSG0	611.1142	0.018171	0.106668	0.170355	0.864731	0.973828	Irf9
ENSMUSG0ENSMUSG0	1074.818	0.105767	0.068008	1.555211	0.119896	0.531869	Gmpr2
ENSMUSG0ENSMUSG0	1274.763	0.098873	0.09799	1.009014	0.312968	0.746673	Mdp1
ENSMUSG0ENSMUSG0	1774.656	0.157842	0.101652	1.552766	0.120479	0.533406	Dhrs1
ENSMUSG0ENSMUSG0	356.9958	-0.22879	0.103027	-2.22073	0.026369	0.259173	Ncan
ENSMUSG0ENSMUSG0	1720.296	0.084993	0.097172	0.874663	0.381757	0.790739	Tmem161a
ENSMUSG0ENSMUSG0	858.1796	0.249925	0.068625	3.641865	0.000271	0.015731	Armc6
ENSMUSG0ENSMUSG0	786.4585	0.077203	0.096236	0.802223	0.422424	0.812942	Borcs8
ENSMUSG0ENSMUSG0	760.2458	0.142265	0.082539	1.723616	0.084777	0.459517	Slc25a42
ENSMUSG0ENSMUSG0	969.1643	0.258577	0.100004	2.585656	0.009719	0.150843	Snx9
ENSMUSG0ENSMUSG0	4385.903	0.177071	0.056353	3.142182	0.001677	0.051061	Ranbp3
ENSMUSG0ENSMUSG0	3685.669	0.156412	0.106801	1.46452	0.143052	0.572229	Ndufa11
ENSMUSG0ENSMUSG0	1056.923	-0.11852	0.113391	-1.04526	0.295901	0.735324	Nr2f6
ENSMUSG0ENSMUSG0	1909.961	0.125554	0.109995	1.141448	0.253684	0.699605	Use1
ENSMUSG0ENSMUSG0	684.2317	-0.10737	0.106208	-1.01091	0.312058	0.745671	Ocel1
ENSMUSG0ENSMUSG0	607.201	-0.20171	0.097724	-2.06406	0.039012	0.32091	Dyrk1b
ENSMUSG0ENSMUSG0	2681.111	-0.11934	0.090322	-1.32125	0.186417	0.632742	Braf

ENSMUSG0ENSMUSGC	2376.041	0.140255	0.114369	1.226337	0.220072	0.670855	Ndufb2
ENSMUSG0ENSMUSGC	1372.944	-0.00688	0.102182	-0.06732	0.946326	0.989869	Hltf
ENSMUSG0ENSMUSGC	2882.124	0.104614	0.058477	1.788972	0.073619	0.43161	Prpf6
ENSMUSG0ENSMUSGC	340.3002	0.082858	0.107777	0.76879	0.442018	0.822001	Rgs19
ENSMUSG0ENSMUSGC	88.68259	-0.32482	0.132977	-2.44267	0.014579	0.189386	Rgs20
ENSMUSG0ENSMUSGC	298.2322	0.041757	0.113668	0.367356	0.713353	0.935647	Abhd3
ENSMUSG0ENSMUSGC	2599.846	0.126567	0.096247	1.315017	0.188504	0.635816	Snrpd1
ENSMUSG0ENSMUSGC	571.493	0.006627	0.086115	0.076957	0.938658	0.9878	Tchp
ENSMUSG0ENSMUSGC	1247.111	0.00713	0.089274	0.079863	0.936346	0.986886	Tiam1
ENSMUSG0ENSMUSGC	3573.653	0.137352	0.075471	1.819924	0.068771	0.42107	Tsc2
ENSMUSG0ENSMUSGC	158.9499	-0.0428	0.115358	-0.37103	0.710617	0.935383	Slc9a3r2
ENSMUSG0ENSMUSGC	5391.948	0.025345	0.06896	0.367539	0.713217	0.935647	Puf60
ENSMUSG0ENSMUSGC	2990.691	-0.07692	0.083556	-0.92054	0.357291	0.775786	Golga2
ENSMUSG0ENSMUSGC	2309.009	-0.029	0.072009	-0.40272	0.687155	0.931173	Uck1
ENSMUSG0ENSMUSGC	216.9078	-0.23775	0.140702	-1.68974	0.091077	0.474447	Ikzf4
ENSMUSG0ENSMUSGC	2558.484	0.087994	0.111754	0.787391	0.431053	0.816305	Mien1
ENSMUSG0ENSMUSGC	1146.608	-0.2422	0.092492	-2.61858	0.00883	0.142912	Tgfb1
ENSMUSG0ENSMUSGC	2238.203	0.030631	0.092167	0.332342	0.739631	0.940232	Ccdc97
ENSMUSG0ENSMUSGC	273.6751	0.138606	0.100118	1.384421	0.16623	0.605329	Zfp40
ENSMUSG0ENSMUSGC	1261.364	0.183051	0.068795	2.660807	0.007795	0.133762	Akap8l
ENSMUSG0ENSMUSGC	624.9973	-0.00055	0.097814	-0.00566	0.995488	0.998655	Pdcd2l
ENSMUSG0ENSMUSGC	2407.89	0.063316	0.079001	0.801467	0.422861	0.812942	Gtf2f1
ENSMUSG0ENSMUSGC	1518.203	0.030596	0.093775	0.326276	0.744215	0.940717	Clpp
ENSMUSG0ENSMUSGC	699.7668	0.201954	0.117437	1.719688	0.085489	0.461152	Alkbh7
ENSMUSG0ENSMUSGC	119.2519	-0.16664	0.141688	-1.17612	0.239545	0.688236	Dennd1c
ENSMUSG0ENSMUSGC	851.2985	0.063006	0.09304	0.677189	0.498286	0.854018	Med6
ENSMUSG0ENSMUSGC	1005.475	0.039149	0.108822	0.359752	0.719033	0.936235	Prkd1
ENSMUSG0ENSMUSGC	384.2472	-0.01275	0.129824	-0.09821	0.921768	0.985705	Lcp2
ENSMUSG0ENSMUSGC	5429.987	0.20846	0.068703	3.034236	0.002411	0.065516	Cse1l
ENSMUSG0ENSMUSGC	4026.101	0.090484	0.068333	1.324168	0.185447	0.631891	Naa20
ENSMUSG0ENSMUSGC	549.2387	-0.04785	0.124319	-0.38488	0.700323	0.933974	Prkra
ENSMUSG0ENSMUSGC	42.78695	-0.06546	0.145403	-0.45021	0.652557	0.919812	Fkbp7
ENSMUSG0ENSMUSGC	1385.551	-0.01812	0.073724	-0.24574	0.805883	0.958353	Plekha3
ENSMUSG0ENSMUSGC	4954.533	0.140297	0.075031	1.869853	0.061504	0.39909	Ykt6
ENSMUSG0ENSMUSGC	6879.391	0.003255	0.09442	0.034474	0.972499	0.995679	Baz1b
ENSMUSG0ENSMUSGC	1726.54	0.053178	0.099452	0.53471	0.59285	0.895885	Pex6
ENSMUSG0ENSMUSGC	1181.734	0.087736	0.090802	0.966228	0.33393	0.759008	Mrpl2
ENSMUSG0ENSMUSGC	2214.339	0.158585	0.114707	1.382522	0.166811	0.605806	Mea1
ENSMUSG0ENSMUSGC	63.41761	0.12522	0.133344	0.939082	0.347689	0.769336	Gnmt
ENSMUSG0ENSMUSGC	201.8825	-0.19165	0.130636	-1.46704	0.142366	0.571875	Grin2d
ENSMUSG0ENSMUSGC	6702.287	-0.06145	0.066616	-0.92241	0.356313	0.774872	Kdelr1
ENSMUSG0ENSMUSGC	535.4147	-0.19447	0.094101	-2.06655	0.038776	0.320545	Tmem143
ENSMUSG0ENSMUSGC	224.4726	0.134945	0.111785	1.20718	0.227363	0.676705	Ggct
ENSMUSG0ENSMUSGC	2222.318	-0.0763	0.110171	-0.69252	0.488608	0.85042	Jag2
ENSMUSG0ENSMUSGC	1201.236	0.017265	0.110521	0.15621	0.875867	0.97593	Btbd6
ENSMUSG0ENSMUSGC	973.4521	0.024494	0.1389	0.176342	0.860025	0.972503	Nudt14
ENSMUSG0ENSMUSGC	831.6166	0.086788	0.123148	0.704744	0.48097	0.846451	Epdr1
ENSMUSG0ENSMUSGC	2334.524	0.078115	0.11404	0.684977	0.493359	0.852803	Flii
ENSMUSG0ENSMUSGC	528.649	0.022538	0.102798	0.219248	0.826457	0.962521	Top3a
ENSMUSG0ENSMUSGC	1710.938	-0.246	0.13241	-1.85789	0.063185	0.404949	Atg4d
ENSMUSG0ENSMUSGC	470.963	0.007345	0.121669	0.060367	0.951863	0.99209	Qtrt1
ENSMUSG0ENSMUSGC	2486.68	0.093504	0.063898	1.463326	0.143378	0.572261	Hdgfl2

ENSMUSG0ENSMUSG0	2967.322	0.210865	0.076702	2.749135	0.005975	0.114758	Chaf1a
ENSMUSG0ENSMUSG0	1654.894	0.243788	0.095459	2.553862	0.010654	0.159172	Adprh
ENSMUSG0ENSMUSG0	1427.543	-0.09005	0.109738	-0.82056	0.411895	0.805177	Tmem39a
ENSMUSG0ENSMUSG0	716.3266	-0.03378	0.089839	-0.37597	0.706936	0.934791	Timmdc1
ENSMUSG0ENSMUSG0	10034.07	0.098023	0.062956	1.557012	0.119468	0.531069	Mcm2
ENSMUSG0ENSMUSG0	968.2255	-0.11114	0.080261	-1.38475	0.16613	0.605329	Tpra1
ENSMUSG0ENSMUSG0	1955.606	0.013873	0.143908	0.096405	0.923199	0.985705	Nab1
ENSMUSG0ENSMUSG0	57.27618	0.034011	0.145919	0.233083	0.815697	0.959579	Adgre5
ENSMUSG0ENSMUSG0	795.7222	-0.01052	0.09136	-0.1152	0.908287	0.98248	Il17ra
ENSMUSG0ENSMUSG0	107.9815	-0.07805	0.145704	-0.53566	0.592195	0.895697	Lamb1
ENSMUSG0ENSMUSG0	65.02158	-0.2654	0.145987	-1.81798	0.069067	0.421143	Kcnn1
ENSMUSG0ENSMUSG0	104.6384	-0.02713	0.145517	-0.18644	0.852102	0.9698	Arrdc2
ENSMUSG0ENSMUSG0	1975.995	-0.20799	0.072493	-2.86915	0.004116	0.092735	Map2k7
ENSMUSG0ENSMUSG0	1295.481	0.108014	0.077326	1.396863	0.162455	0.601189	Timm44
ENSMUSG0ENSMUSG0	4964.655	-0.00638	0.058901	-0.10832	0.913744	0.983954	Ap2a2
ENSMUSG0ENSMUSG0	935.8571	0.029865	0.11406	0.261834	0.79345	0.955329	Pnkp
ENSMUSG0ENSMUSG0	3990.986	0.091645	0.083451	1.0982	0.272117	0.715458	Med25
ENSMUSG0ENSMUSG0	1326.295	-0.25695	0.090438	-2.84118	0.004495	0.098067	Bcam
ENSMUSG0ENSMUSG0	7886.44	0.045023	0.062974	0.714953	0.474638	0.842114	Clptm1
ENSMUSG0ENSMUSG0	425.415	-0.26108	0.129935	-2.00928	0.044508	0.340156	Relb
ENSMUSG0ENSMUSG0	2179.448	0.098298	0.095639	1.027796	0.304046	0.739759	Tomm40
ENSMUSG0ENSMUSG0	90.87672	-0.05208	0.14036	-0.37105	0.7106	0.935383	Apoe
ENSMUSG0ENSMUSG0	1226.484	-0.15557	0.132194	-1.17683	0.239265	0.688232	Hbp1
ENSMUSG0ENSMUSG0	2226.382	0.125146	0.106507	1.175011	0.23999	0.688236	Prkar2b
ENSMUSG0ENSMUSG0	5529.998	0.069262	0.069306	0.99936	0.31762	0.750019	Cdkn1b
ENSMUSG0ENSMUSG0	510.6968	-0.14521	0.135788	-1.06938	0.284898	0.725657	Klf4
ENSMUSG0ENSMUSG0	3578.306	-0.00143	0.076266	-0.01874	0.985052	0.997439	Ap1m1
ENSMUSG0ENSMUSG0	4038.368	-0.06415	0.114921	-0.55824	0.57668	0.890536	Rab8a
ENSMUSG0ENSMUSG0	20971.55	-0.03245	0.128948	-0.25166	0.801301	0.956594	Hmgn2
ENSMUSG0ENSMUSG0	3062.441	0.002974	0.09529	0.031215	0.975098	0.996035	Fam32a
ENSMUSG0ENSMUSG0	1190.076	-0.05134	0.134726	-0.38104	0.703171	0.934077	Elf3
ENSMUSG0ENSMUSG0	1180.593	0.072355	0.087215	0.829623	0.406752	0.801957	Stard3nl
ENSMUSG0ENSMUSG0	2939.383	0.016141	0.068529	0.235532	0.813796	0.959362	Stk11
ENSMUSG0ENSMUSG0	102.4109	-0.2589	0.143366	-1.80583	0.070944	0.425044	Efna2
ENSMUSG0ENSMUSG0	7280.389	0.137413	0.110999	1.237973	0.215726	0.666896	Atp5d
ENSMUSG0ENSMUSG0	3324.477	0.021087	0.080132	0.263149	0.792436	0.954966	Ppp5c
ENSMUSG0ENSMUSG0	907.8203	-0.15112	0.103801	-1.45588	0.145427	0.575464	Cdk12
ENSMUSG0ENSMUSG0	322.7641	-0.02067	0.114736	-0.18012	0.857058	0.971778	Lipe
ENSMUSG0ENSMUSG0	6329.579	0.183322	0.095091	1.927857	0.053873	0.37568	Pafah1b2
ENSMUSG0ENSMUSG0	801.265	-0.07603	0.108985	-0.69757	0.485445	0.848425	Tbc1d8
ENSMUSG0ENSMUSG0	1273.809	0.043464	0.067319	0.645645	0.51851	0.864227	Cnot11
ENSMUSG0ENSMUSG0	71.76871	-0.10832	0.145249	-0.74578	0.455803	0.829671	Slc2a3
ENSMUSG0ENSMUSG0	787.6931	-0.13983	0.096497	-1.44906	0.147321	0.578667	Foxj2
ENSMUSG0ENSMUSG0	1750.101	0.09886	0.127466	0.775584	0.437995	0.819294	Sri
ENSMUSG0ENSMUSG0	3884.327	-0.01763	0.051871	-0.3399	0.733936	0.938791	Dgcr2
ENSMUSG0ENSMUSG0	1333.121	-0.11873	0.076863	-1.54473	0.122412	0.5355	Irf3
ENSMUSG0ENSMUSG0	39.04079	0.115724	0.144915	0.798564	0.424543	0.813996	Bcl2l12
ENSMUSG0ENSMUSG0	305.5568	0.059689	0.089002	0.670654	0.502441	0.856225	Zfp959
ENSMUSG0ENSMUSG0	2233.466	0.016162	0.082341	0.196279	0.844392	0.967714	Mpnd
ENSMUSG0ENSMUSG0	4463.298	0.19896	0.046576	4.271749	1.94E-05	0.002378	Sh3gl1
ENSMUSG0ENSMUSG0	61.68058	0.16663	0.134775	1.236353	0.216327	0.667111	Ebi3
ENSMUSG0ENSMUSG0	378.5248	0.046887	0.086295	0.543333	0.5869	0.894311	Ccdc94

ENSMUSG0ENSMUSG0	4767.165	0.045852	0.113564	0.403753	0.686394	0.931173	Ranbp2
ENSMUSG0ENSMUSG0	1008.042	-0.0833	0.143025	-0.5824	0.560294	0.883939	Grk5
ENSMUSG0ENSMUSG0	804.4831	-0.05865	0.12522	-0.4684	0.639499	0.913951	Dvl3
ENSMUSG0ENSMUSG0	1994.064	0.103089	0.089884	1.146912	0.251418	0.697958	Abcf3
ENSMUSG0ENSMUSG0	3107.209	0.119271	0.099957	1.193223	0.232782	0.682384	Eif2b5
ENSMUSG0ENSMUSG0	4202.677	-0.04364	0.080568	-0.54161	0.588089	0.894311	Cyth2
ENSMUSG0ENSMUSG0	276.5529	-0.00676	0.114185	-0.05916	0.952825	0.992357	Sult2b1
ENSMUSG0ENSMUSG0	540.5412	-0.07525	0.144105	-0.5222	0.601528	0.899471	Dlgap1
ENSMUSG0ENSMUSG0	2099.419	0.017279	0.086468	0.199833	0.841611	0.966812	Mrpl4
ENSMUSG0ENSMUSG0	2533.064	0.010465	0.062355	0.167832	0.866716	0.974473	Keap1
ENSMUSG0ENSMUSG0	1741.528	0.091579	0.088884	1.030315	0.302862	0.739759	Ap1m2
ENSMUSG0ENSMUSG0	5634.083	-0.02369	0.114844	-0.20631	0.836546	0.965152	Glg1
ENSMUSG0ENSMUSG0	47.57096	0.096761	0.144096	0.671508	0.501897	0.856225	Atp8b3
ENSMUSG0ENSMUSG0	2155.497	0.074011	0.114498	0.646393	0.518025	0.863995	Btbd2
ENSMUSG0ENSMUSG0	3282.455	-0.02029	0.05585	-0.36326	0.716412	0.93588	Csnk1g2
ENSMUSG0ENSMUSG0	2191.278	0.060392	0.113278	0.533135	0.59394	0.8963	Abhd17a
ENSMUSG0ENSMUSG0	852.2333	0.392681	0.116782	3.362517	0.000772	0.031285	Mob3a
ENSMUSG0ENSMUSG0	1173.059	-0.20954	0.076092	-2.75379	0.005891	0.114003	Cacnb3
ENSMUSG0ENSMUSG0	65.88765	-0.06441	0.129602	-0.49701	0.619181	0.907335	Ccdc65
ENSMUSG0ENSMUSG0	1149.082	0.019547	0.143635	0.136085	0.891754	0.979424	Fkbp11
ENSMUSG0ENSMUSG0	2471.021	0.012393	0.055668	0.222614	0.823836	0.961847	Ddx23
ENSMUSG0ENSMUSG0	6643.399	0.101826	0.097651	1.042753	0.297063	0.735611	Plid3
ENSMUSG0ENSMUSG0	1939.546	-0.02196	0.123996	-0.17709	0.859441	0.972503	Grik5
ENSMUSG0ENSMUSG0	3994.471	0.016916	0.117528	0.143934	0.885553	0.977714	Rabac1
ENSMUSG0ENSMUSG0	510.6028	-0.15532	0.099511	-1.56079	0.118573	0.529026	Etv3
ENSMUSG0ENSMUSG0	8665.705	0.020336	0.087211	0.233179	0.815622	0.959579	Prkcsh
ENSMUSG0ENSMUSG0	4057.211	-0.01434	0.105146	-0.13636	0.891534	0.979424	Elavl3
ENSMUSG0ENSMUSG0	293.4049	0.08077	0.14347	0.562974	0.573452	0.890076	Rab3b
ENSMUSG0ENSMUSG0	805.3436	-0.04406	0.09592	-0.45929	0.646027	0.916536	Nosip
ENSMUSG0ENSMUSG0	2040.51	0.034972	0.094776	0.368996	0.71213	0.935647	Pih1d1
ENSMUSG0ENSMUSG0	11364.9	0.170518	0.103705	1.644251	0.100124	0.493095	Rps11
ENSMUSG0ENSMUSG0	6112.358	0.084579	0.070293	1.203229	0.228888	0.678843	Supt5
ENSMUSG0ENSMUSG0	2401.651	0.031017	0.078535	0.39495	0.69288	0.932283	Paf1
ENSMUSG0ENSMUSG0	2816.017	0.169965	0.089919	1.89021	0.05873	0.391735	Timm50
ENSMUSG0ENSMUSG0	1050.418	0.120775	0.102308	1.180502	0.237801	0.686688	Med29
ENSMUSG0ENSMUSG0	1484.487	0.118346	0.11163	1.060167	0.289069	0.728677	Bicd1
ENSMUSG0ENSMUSG0	5177.911	-0.12769	0.051654	-2.47199	0.013436	0.181094	Ncstn
ENSMUSG0ENSMUSG0	2389.422	0.061623	0.101034	0.609922	0.541914	0.875015	Pex19
ENSMUSG0ENSMUSG0	1226.21	0.22631	0.14547	1.555714	0.119776	0.531733	Phyhip
ENSMUSG0ENSMUSG0	3453.748	-0.34989	0.083731	-4.17872	2.93E-05	0.003239	Impdh1
ENSMUSG0ENSMUSG0	2420.84	-0.12433	0.139888	-0.88877	0.374127	0.787458	Dusp3
ENSMUSG0ENSMUSG0	773.65	0.031699	0.082326	0.385039	0.700209	0.933914	Dgcr14
ENSMUSG0ENSMUSG0	2314.183	0.159045	0.109422	1.453493	0.146087	0.576711	Slc25a1
ENSMUSG0ENSMUSG0	644.9926	0.144256	0.132261	1.090696	0.275407	0.716915	Dgcr6
ENSMUSG0ENSMUSG0	5149.514	0.035564	0.049725	0.715216	0.474475	0.842114	Ddr1
ENSMUSG0ENSMUSG0	335.5857	-0.05103	0.143955	-0.35447	0.722985	0.937763	Ier3
ENSMUSG0ENSMUSG0	174.0398	0.051223	0.144832	0.353676	0.723582	0.937852	Fosb
ENSMUSG0ENSMUSG0	480.7251	-0.1402	0.09081	-1.54393	0.122604	0.5355	Klc4
ENSMUSG0ENSMUSG0	502.4462	-0.02829	0.132249	-0.21392	0.830612	0.963218	Ercc1
ENSMUSG0ENSMUSG0	2115.96	0.121671	0.093313	1.303902	0.192267	0.638994	As3mt
ENSMUSG0ENSMUSG0	491.9398	-0.20914	0.139752	-1.49648	0.134527	0.559324	Homer3
ENSMUSG0ENSMUSG0	1796.786	0.067873	0.10265	0.661212	0.508476	0.858926	Crtc1

ENSMUSG0ENSMUSGC	553.942	-0.16537	0.078917	-2.09554	0.036123	0.30677	Rnf215
ENSMUSG0ENSMUSGC	510.8229	0.19524	0.088208	2.2134	0.02687	0.262366	Aven
ENSMUSG0ENSMUSGC	1525.302	-0.0252	0.106227	-0.23719	0.812511	0.958721	Crot
ENSMUSG0ENSMUSGC	499.6979	-0.1378	0.111926	-1.23116	0.218262	0.668792	Rps6ka1
ENSMUSG0ENSMUSGC	4918.895	0.015869	0.079766	0.198948	0.842303	0.967032	Snrrnp200
ENSMUSG0ENSMUSGC	1572.078	-0.07576	0.112849	-0.67131	0.502024	0.856225	Ciao1
ENSMUSG0ENSMUSGC	1965.388	0.077974	0.101974	0.764641	0.444486	0.82337	Taf6l
ENSMUSG0ENSMUSGC	2701.137	-0.06497	0.108402	-0.59937	0.548927	0.878216	Insig2
ENSMUSG0ENSMUSGC	2381.685	0.027253	0.06019	0.452781	0.650707	0.918867	Kpna6
ENSMUSG0ENSMUSGC	3336.969	-0.13896	0.145688	-0.95383	0.340171	0.763413	Man1a
ENSMUSG0ENSMUSGC	238.7713	0.016999	0.105067	0.161795	0.871467	0.975692	Itpkc
ENSMUSG0ENSMUSGC	683.9543	0.090095	0.11597	0.776878	0.437231	0.819028	Coq8b
ENSMUSG0ENSMUSGC	3557.618	0.016435	0.056534	0.290712	0.771272	0.949297	Brd8
ENSMUSG0ENSMUSGC	3600.122	0.086283	0.078073	1.105148	0.269095	0.711911	Kif20a
ENSMUSG0ENSMUSGC	2725.998	0.065082	0.112925	0.57633	0.564392	0.885785	Farsa
ENSMUSG0ENSMUSGC	1441.717	0.011468	0.083144	0.137928	0.890297	0.978648	Gcdh
ENSMUSG0ENSMUSGC	3466.649	-0.03889	0.083456	-0.46595	0.641252	0.914411	Mast2
ENSMUSG0ENSMUSGC	781.9236	0.07606	0.145633	0.522274	0.60148	0.899471	Dnase2a
ENSMUSG0ENSMUSGC	4579.453	-0.03952	0.083593	-0.47273	0.636408	0.912525	Rad23a
ENSMUSG0ENSMUSGC	59256.09	0.100973	0.129228	0.781352	0.434596	0.81783	Calr
ENSMUSG0ENSMUSGC	3078.369	0.103819	0.106764	0.972409	0.330847	0.757395	Syce2
ENSMUSG0ENSMUSGC	2969.178	-0.02385	0.118343	-0.20151	0.840296	0.966367	Nfat5
ENSMUSG0ENSMUSGC	1000.674	-0.00691	0.102097	-0.06764	0.946072	0.989708	Nob1
ENSMUSG0ENSMUSGC	3286.66	0.061988	0.069414	0.893019	0.371847	0.786113	Nqo1
ENSMUSG0ENSMUSGC	525.5805	-0.02608	0.107656	-0.24225	0.808588	0.958353	Ppfia3
ENSMUSG0ENSMUSGC	2205.197	-0.0343	0.142728	-0.2403	0.810101	0.958353	Gys1
ENSMUSG0ENSMUSGC	2762.046	0.073736	0.091214	0.808384	0.41887	0.810866	Ruvbl2
ENSMUSG0ENSMUSGC	122.1849	0.033231	0.142467	0.233257	0.815562	0.959579	Lin7b
ENSMUSG0ENSMUSGC	2930.401	0.034714	0.101635	0.341551	0.732689	0.938791	Bax
ENSMUSG0ENSMUSGC	1840.286	0.010246	0.096412	0.106277	0.915363	0.984522	Tfam
ENSMUSG0ENSMUSGC	447.7268	0.12369	0.092552	1.336442	0.181405	0.627222	Zfp81
ENSMUSG0ENSMUSGC	165.0071	0.030395	0.128185	0.237115	0.812568	0.958721	Efnb3
ENSMUSG0ENSMUSGC	1806.689	0.402075	0.12357	3.253839	0.001139	0.039773	Mmd
ENSMUSG0ENSMUSGC	638.3368	0.169566	0.108475	1.563182	0.11801	0.52813	Hlf
ENSMUSG0ENSMUSGC	3656.1	-0.0109	0.119405	-0.09132	0.927237	0.985705	Fam162a
ENSMUSG0ENSMUSGC	18494.42	0.124193	0.097769	1.270272	0.203988	0.652112	Rpl8
ENSMUSG0ENSMUSGC	747.2918	-0.09501	0.106025	-0.89612	0.370188	0.785063	Ssbp2
ENSMUSG0ENSMUSGC	356.9339	0.103063	0.102324	1.007223	0.313828	0.747209	Fanc1
ENSMUSG0ENSMUSGC	2136.886	0.111505	0.082735	1.347736	0.177743	0.620338	Brinp2
ENSMUSG0ENSMUSGC	1546.102	0.137182	0.08531	1.608051	0.107824	0.510188	Gstm5
ENSMUSG0ENSMUSGC	6205.916	-0.06254	0.067322	-0.92891	0.352936	0.773559	Stat3
ENSMUSG0ENSMUSGC	578.8482	0.183862	0.121823	1.509262	0.131232	0.552323	Stat5a
ENSMUSG0ENSMUSGC	147.738	-0.01408	0.143839	-0.09789	0.922019	0.985705	Cavin1
ENSMUSG0ENSMUSGC	1801.571	-0.26712	0.076797	-3.47829	0.000505	0.023878	Map3k11
ENSMUSG0ENSMUSGC	8231.618	0.237999	0.069135	3.44254	0.000576	0.026086	Akt2
ENSMUSG0ENSMUSGC	2359.502	0.024243	0.083313	0.290988	0.771061	0.949297	Dnaja3
ENSMUSG0ENSMUSGC	4014.106	0.087061	0.108013	0.806024	0.420229	0.811474	Hmox2
ENSMUSG0ENSMUSGC	2601.014	-0.00515	0.065095	-0.07906	0.936983	0.98697	Cdip1
ENSMUSG0ENSMUSGC	361.4296	0.075235	0.102165	0.736409	0.461482	0.833916	Map3k20
ENSMUSG0ENSMUSGC	2821.946	0.067694	0.082028	0.825247	0.409231	0.803007	Cwc15
ENSMUSG0ENSMUSGC	8652.546	0.063147	0.087392	0.722575	0.469941	0.839788	Dnmt1
ENSMUSG0ENSMUSGC	1068.032	0.027008	0.080826	0.334146	0.738269	0.940121	Ppan

ENSMUSG0ENSMUSGC	73.99388	0.031014	0.143489	0.216139	0.828879	0.963218	Cacna1e
ENSMUSG0ENSMUSGC	680.8284	0.13265	0.128405	1.033058	0.301577	0.739665	Cacna1b
ENSMUSG0ENSMUSGC	311.3087	-0.07843	0.12804	-0.61251	0.540201	0.873794	Trmt10a
ENSMUSG0ENSMUSGC	7001.823	0.043962	0.111636	0.393802	0.693728	0.932437	Etv1
ENSMUSG0ENSMUSGC	340.6823	0.085124	0.11216	0.758955	0.44788	0.824078	Kifc2
ENSMUSG0ENSMUSGC	47294.51	-0.0137	0.05641	-0.24283	0.808135	0.958353	Psap
ENSMUSG0ENSMUSGC	1035.373	-0.02292	0.082506	-0.27786	0.781123	0.951572	Ikbkg
ENSMUSG0ENSMUSGC	319.8727	0.095684	0.144351	0.662854	0.507424	0.85875	Pax2
ENSMUSG0ENSMUSGC	298.2729	0.060294	0.109816	0.549051	0.582971	0.892926	Wars2
ENSMUSG0ENSMUSGC	3677.246	-0.0306	0.095107	-0.32174	0.747647	0.942084	Atn1
ENSMUSG0ENSMUSGC	4337.753	0.050206	0.077276	0.649705	0.515883	0.863054	Phb2
ENSMUSG0ENSMUSGC	979.7992	0.101263	0.120258	0.842047	0.399762	0.799703	Ptpn6
ENSMUSG0ENSMUSGC	1931.297	-0.19107	0.102675	-1.86095	0.062751	0.404145	Eno2
ENSMUSG0ENSMUSGC	1885.471	0.087842	0.086118	1.020019	0.307719	0.743099	Emg1
ENSMUSG0ENSMUSGC	2806.732	0.187079	0.101501	1.843126	0.065311	0.411796	Lpcat3
ENSMUSG0ENSMUSGC	4383.585	0.049602	0.096821	0.51231	0.608434	0.903796	Atp6v1f
ENSMUSG0ENSMUSGC	1130.536	0.413427	0.104526	3.955272	7.64E-05	0.006784	Clcn5
ENSMUSG0ENSMUSGC	7013.248	0.071897	0.136872	0.525285	0.599385	0.898925	Clcn3
ENSMUSG0ENSMUSGC	6196.644	0.080249	0.089707	0.894567	0.371019	0.785665	Pde1c
ENSMUSG0ENSMUSGC	991.0577	0.008884	0.09353	0.094981	0.92433	0.985705	Utp20
ENSMUSG0ENSMUSGC	574.2602	0.05442	0.096448	0.564248	0.572585	0.889939	9330159F1
ENSMUSG0ENSMUSGC	5646.422	0.138547	0.071511	1.937418	0.052694	0.372482	Cul3
ENSMUSG0ENSMUSGC	43.77198	0.184025	0.145884	1.261453	0.207146	0.6549	Il11
ENSMUSG0ENSMUSGC	410.6128	-0.18809	0.089832	-2.09374	0.036283	0.307345	Large1
ENSMUSG0ENSMUSGC	1475.25	0.097951	0.084629	1.157405	0.247107	0.695372	Ddx56
ENSMUSG0ENSMUSGC	5033.756	0.065011	0.060508	1.074417	0.282636	0.723754	Tmed4
ENSMUSG0ENSMUSGC	160.5368	-0.22568	0.133656	-1.6885	0.091315	0.474778	Bid
ENSMUSG0ENSMUSGC	774.8781	-0.04949	0.076231	-0.64922	0.516199	0.863162	Ralb
ENSMUSG0ENSMUSGC	13498.67	0.164054	0.085029	1.92938	0.053684	0.375308	Ppp1cc
ENSMUSG0ENSMUSGC	5123.991	0.044275	0.076361	0.579812	0.562041	0.885011	Dnajb11
ENSMUSG0ENSMUSGC	747.8542	0.023344	0.071719	0.325495	0.744807	0.941183	Tbccd1
ENSMUSG0ENSMUSGC	117.3481	-0.19427	0.1459	-1.33151	0.183022	0.629886	Clec11a
ENSMUSG0ENSMUSGC	710.6997	-0.03127	0.095515	-0.32733	0.743417	0.940717	Zfp324
ENSMUSG0ENSMUSGC	371.3929	0.018652	0.080064	0.232964	0.815789	0.959579	Gab2
ENSMUSG0ENSMUSGC	4161.022	0.177083	0.098779	1.792729	0.073016	0.431177	Coro1c
ENSMUSG0ENSMUSGC	5531.832	-0.05049	0.045744	-1.1038	0.269679	0.712834	Tax1bp1
ENSMUSG0ENSMUSGC	396.2422	-0.1086	0.138645	-0.78328	0.433464	0.817251	Ndrp2
ENSMUSG0ENSMUSGC	658.5308	-0.02556	0.093827	-0.2724	0.785314	0.953405	Mettl17
ENSMUSG0ENSMUSGC	360.569	0.210789	0.124688	1.690532	0.090926	0.474214	Arhgef40
ENSMUSG0ENSMUSGC	1715.295	0.020125	0.122197	0.164697	0.869183	0.974861	Pnpla6
ENSMUSG0ENSMUSGC	2317.882	-0.02957	0.11707	-0.2526	0.800579	0.956588	Mcoln1
ENSMUSG0ENSMUSGC	1098.004	0.006895	0.085157	0.080967	0.935468	0.986761	Arhgef18
ENSMUSG0ENSMUSGC	1721.015	-0.0458	0.088209	-0.51917	0.603644	0.90085	Pkn2
ENSMUSG0ENSMUSGC	2219.665	0.118641	0.13359	0.888099	0.374487	0.787458	Etfb
ENSMUSG0ENSMUSGC	3110.946	0.060637	0.061838	0.980581	0.326799	0.754362	Stxbp2
ENSMUSG0ENSMUSGC	777.83	0.112137	0.095486	1.174383	0.240242	0.688236	Wwox
ENSMUSG0ENSMUSGC	4492.535	0.125895	0.071659	1.756866	0.078941	0.445187	Slbp
ENSMUSG0ENSMUSGC	452.8395	-0.12453	0.108176	-1.15114	0.249675	0.696307	Arid3b
ENSMUSG0ENSMUSGC	50.90434	-0.10971	0.14589	-0.752	0.45205	0.82718	Cnn2
ENSMUSG0ENSMUSGC	1558.721	-0.01818	0.091662	-0.19832	0.842794	0.967136	Polr2e
ENSMUSG0ENSMUSGC	1995.751	0.091757	0.095613	0.959675	0.337219	0.760159	Myo9b
ENSMUSG0ENSMUSGC	193.8002	-0.38024	0.131629	-2.88871	0.003868	0.089613	Hdac9

ENSMUSG0ENSMUSG0	522.4707	-0.39239	0.109173	-3.59424	0.000325	0.01797	Mtftp1
ENSMUSG0ENSMUSG0	1152.567	-0.08437	0.092901	-0.90819	0.363778	0.781416	Rab23
ENSMUSG0ENSMUSG0	3571.765	0.042356	0.095264	0.444619	0.656595	0.921052	Rab11a
ENSMUSG0ENSMUSG0	1815.022	-0.02243	0.096789	-0.2317	0.816767	0.959822	Eif2b2
ENSMUSG0ENSMUSG0	4360.612	0.071757	0.088864	0.807498	0.41938	0.811384	Dlst
ENSMUSG0ENSMUSG0	1285.449	-0.11825	0.093535	-1.26419	0.206163	0.653818	Ulk2
ENSMUSG0ENSMUSG0	779.7261	0.097508	0.087815	1.110378	0.266836	0.709811	Dgkq
ENSMUSG0ENSMUSG0	1581.175	0.181821	0.090237	2.014934	0.043912	0.337833	Chmp2b
ENSMUSG0ENSMUSG0	3158.164	-0.07264	0.12052	-0.60272	0.546697	0.876524	Plod3
ENSMUSG0ENSMUSG0	3758.353	-0.01247	0.113294	-0.11005	0.912368	0.983954	Ap1s1
ENSMUSG0ENSMUSG0	409.1871	0.056764	0.118144	0.480462	0.630899	0.911457	Mapk13
ENSMUSG0ENSMUSG0	2618.875	-0.01158	0.077945	-0.14862	0.881854	0.97678	Srpkl
ENSMUSG0ENSMUSG0	2516.886	0.065604	0.095562	0.686509	0.492392	0.852803	Lbr
ENSMUSG0ENSMUSG0	3893.722	-0.10734	0.095286	-1.12653	0.259942	0.704211	Nes
ENSMUSG0ENSMUSG0	617.358	-0.08044	0.136906	-0.58753	0.556847	0.882858	Bcan
ENSMUSG0ENSMUSG0	1800.707	0.047025	0.06985	0.67322	0.500808	0.855664	Prcc
ENSMUSG0ENSMUSG0	915.0406	-0.10519	0.08558	-1.22913	0.219023	0.669212	Rrnad1
ENSMUSG0ENSMUSG0	7536.6	0.00123	0.064813	0.018971	0.984864	0.997439	Hdgl
ENSMUSG0ENSMUSG0	2008.923	0.109527	0.075805	1.444863	0.148496	0.581075	Thop1
ENSMUSG0ENSMUSG0	1042.056	0.067777	0.107618	0.629796	0.528828	0.869382	Apa3
ENSMUSG0ENSMUSG0	226.9045	0.050298	0.119859	0.419643	0.674747	0.927604	Matk
ENSMUSG0ENSMUSG0	977.366	-0.04451	0.090564	-0.49143	0.623122	0.907988	Pias4
ENSMUSG0ENSMUSG0	2745.591	-0.05807	0.142243	-0.40826	0.683084	0.930324	Map2k1
ENSMUSG0ENSMUSG0	4023.373	0.070683	0.065042	1.086725	0.277158	0.71903	Sgta
ENSMUSG0ENSMUSG0	1651.619	0.08999	0.106242	0.847026	0.396981	0.797477	Tmem242
ENSMUSG0ENSMUSG0	1691.334	0.33609	0.068546	4.903132	9.43E-07	0.000274	Dtx2
ENSMUSG0ENSMUSG0	59.40977	-0.06141	0.145657	-0.42163	0.673293	0.927156	Hspb1
ENSMUSG0ENSMUSG0	2638.452	0.074956	0.093316	0.803245	0.421833	0.812368	Syt5
ENSMUSG0ENSMUSG0	27149.51	0.044417	0.089071	0.498668	0.618014	0.907302	Hnrnpa2b1
ENSMUSG0ENSMUSG0	596.8688	-0.10857	0.10044	-1.08091	0.279735	0.7213	Ccdc130
ENSMUSG0ENSMUSG0	729.2018	-0.00685	0.126589	-0.05414	0.956824	0.992986	Mri1
ENSMUSG0ENSMUSG0	3230.461	-0.07643	0.099885	-0.76518	0.444166	0.823181	Prkacb
ENSMUSG0ENSMUSG0	504.7125	-0.1511	0.093378	-1.61815	0.105631	0.504407	Sgsh
ENSMUSG0ENSMUSG0	145.4985	-0.17588	0.138007	-1.27446	0.2025	0.650197	Chd5
ENSMUSG0ENSMUSG0	2178.107	0.117626	0.100673	1.168395	0.242647	0.689768	Cstb
ENSMUSG0ENSMUSG0	40.69968	0.080399	0.145312	0.553284	0.580069	0.892779	Sh2b2
ENSMUSG0ENSMUSG0	1364.588	0.111607	0.070803	1.576299	0.114957	0.522571	Pex5
ENSMUSG0ENSMUSG0	1079.542	-0.0786	0.093086	-0.84435	0.398473	0.798847	Ikamp
ENSMUSG0ENSMUSG0	418.7955	-0.25403	0.128575	-1.9757	0.048189	0.354316	Cd44
ENSMUSG0ENSMUSG0	538.9939	-0.02143	0.08745	-0.24509	0.806384	0.958353	Eif2ak4
ENSMUSG0ENSMUSG0	3394.272	-0.05139	0.105174	-0.48862	0.625111	0.908091	Wdr1
ENSMUSG0ENSMUSG0	110.6619	-0.15555	0.143376	-1.08493	0.277951	0.719894	Slc2a9
ENSMUSG0ENSMUSG0	4915.448	-0.03765	0.119606	-0.31481	0.752902	0.943694	Ndrp1
ENSMUSG0ENSMUSG0	114.6357	-0.04784	0.1377	-0.34741	0.728285	0.938587	4930550C1
ENSMUSG0ENSMUSG0	4293.18	-0.17756	0.089289	-1.98856	0.04675	0.34872	Man2b1
ENSMUSG0ENSMUSG0	37.82632	-0.21686	0.144197	-1.50389	0.13261	0.555041	Klf5
ENSMUSG0ENSMUSG0	925.0784	0.076622	0.095146	0.805312	0.420639	0.811706	Wdr83
ENSMUSG0ENSMUSG0	10027.16	0.123945	0.09314	1.330742	0.183274	0.630133	Prdx2
ENSMUSG0ENSMUSG0	7781.054	-0.03879	0.09822	-0.39494	0.692889	0.932283	Polr2a
ENSMUSG0ENSMUSG0	2532.72	-0.03866	0.080051	-0.48296	0.629126	0.910993	Senp3
ENSMUSG0ENSMUSG0	742.9759	-0.11717	0.088643	-1.32177	0.186244	0.632483	Plekha8
ENSMUSG0ENSMUSG0	52494.89	0.341992	0.080942	4.225127	2.39E-05	0.002776	G6pc2

ENSMUSG0ENSMUSG0	30599.63	0.058304	0.104808	0.556291	0.578012	0.891871	Spc25
ENSMUSG0ENSMUSG0	119.0567	-0.00112	0.121477	-0.00922	0.992645	0.998539	Dnah2
ENSMUSG0ENSMUSG0	2071.147	0.061143	0.108017	0.566051	0.571359	0.889478	Ripk4
ENSMUSG0ENSMUSG0	2645.574	0.058858	0.064539	0.911978	0.36178	0.779861	Ufd1
ENSMUSG0ENSMUSG0	310.892	-0.07961	0.102731	-0.77497	0.438359	0.819745	Zfp287
ENSMUSG0ENSMUSG0	1765.923	0.108198	0.14008	0.7724	0.439877	0.820748	Prlr
ENSMUSG0ENSMUSG0	3204.755	0.16604	0.098644	1.683226	0.092331	0.477085	Letm1
ENSMUSG0ENSMUSG0	5184.071	0.08206	0.064193	1.278317	0.201138	0.648578	Ubqln1
ENSMUSG0ENSMUSG0	455.8624	0.008467	0.132902	0.063711	0.9492	0.991149	Cadm3
ENSMUSG0ENSMUSG0	3154.754	0.114514	0.098146	1.166767	0.243305	0.690499	Txn2
ENSMUSG0ENSMUSG0	919.5609	0.061365	0.091453	0.670999	0.502221	0.856225	Crbn
ENSMUSG0ENSMUSG0	2876.342	0.043992	0.069514	0.63285	0.526832	0.868304	Msh6
ENSMUSG0ENSMUSG0	1895.922	0.047482	0.090637	0.523867	0.600371	0.899005	Fbxo11
ENSMUSG0ENSMUSG0	7509.657	-0.12894	0.126604	-1.01846	0.308458	0.743099	Mlxipl
ENSMUSG0ENSMUSG0	3485.119	0.051641	0.127641	0.404582	0.685785	0.931173	Tbl2
ENSMUSG0ENSMUSG0	1218.993	0.084008	0.09757	0.861001	0.389238	0.794584	Bud23
ENSMUSG0ENSMUSG0	11212.04	0.2085	0.081391	2.56172	0.010416	0.157405	Mcm5
ENSMUSG0ENSMUSG0	1576.252	0.225223	0.143297	1.571721	0.116015	0.525509	Hmox1
ENSMUSG0ENSMUSG0	6774.367	0.028571	0.056098	0.509317	0.61053	0.90438	Mprip
ENSMUSG0ENSMUSG0	4497.882	0.063751	0.077562	0.821932	0.411116	0.804628	Cic
ENSMUSG0ENSMUSG0	2312.972	0.196524	0.098442	1.996336	0.045897	0.344757	Pafah1b3
ENSMUSG0ENSMUSG0	5827.867	0.1925	0.067377	2.85707	0.004276	0.095256	Prkaca
ENSMUSG0ENSMUSG0	4527.369	-0.029	0.109237	-0.26552	0.790611	0.954487	Asf1b
ENSMUSG0ENSMUSG0	3107.58	0.067494	0.122686	0.550133	0.582228	0.892926	Ddx39
ENSMUSG0ENSMUSG0	2714.528	0.032117	0.118716	0.270537	0.786747	0.953755	Dnajb1
ENSMUSG0ENSMUSG0	827.272	-0.00704	0.070385	-0.10003	0.920319	0.985705	Usp40
ENSMUSG0ENSMUSG0	439.3153	0.080371	0.07807	1.029479	0.303255	0.739759	Kbtbd4
ENSMUSG0ENSMUSG0	2228.645	0.060234	0.08025	0.750572	0.45291	0.827496	Celf1
ENSMUSG0ENSMUSG0	1610.924	0.145127	0.097164	1.493627	0.135273	0.560855	Ndufs3
ENSMUSG0ENSMUSG0	5449.932	0.139951	0.106682	1.311861	0.189567	0.637324	Por
ENSMUSG0ENSMUSG0	5268.186	-0.07919	0.084036	-0.94236	0.346007	0.767495	Igf1r
ENSMUSG0ENSMUSG0	885.761	-0.24165	0.119359	-2.02456	0.042912	0.334271	Insr
ENSMUSG0ENSMUSG0	970.8773	0.095549	0.133027	0.718272	0.47259	0.841589	Atp4a
ENSMUSG0ENSMUSG0	10859.97	0.096456	0.095834	1.0065	0.314175	0.747256	Trim28
ENSMUSG0ENSMUSG0	4107.951	0.186081	0.100027	1.860307	0.062842	0.404145	Ube2m
ENSMUSG0ENSMUSG0	915.7869	0.05304	0.135435	0.391629	0.695332	0.933115	Adcy9
ENSMUSG0ENSMUSG0	1841.686	0.105759	0.068077	1.553529	0.120297	0.533159	Ctr9
ENSMUSG0ENSMUSG0	28272.52	0.11914	0.083885	1.420284	0.155525	0.593972	Eif4g2
ENSMUSG0ENSMUSG0	895.0863	0.130583	0.073872	1.767694	0.077112	0.440137	Pcyt1a
ENSMUSG0ENSMUSG0	1234.75	-0.10727	0.122993	-0.87216	0.383123	0.790739	Zfp592
ENSMUSG0ENSMUSG0	3695.96	0.17083	0.090967	1.877933	0.06039	0.396425	Psmd4
ENSMUSG0ENSMUSG0	1953.041	0.044058	0.121362	0.363027	0.716585	0.93588	Insrr
ENSMUSG0ENSMUSG0	2631.098	0.192479	0.066038	2.914644	0.003561	0.084334	Snx6
ENSMUSG0ENSMUSG0	4766.391	0.052777	0.143425	0.367979	0.712889	0.935647	Mthfd2
ENSMUSG0ENSMUSG0	1390.173	0.062059	0.117475	0.528273	0.59731	0.89784	Tomm40l
ENSMUSG0ENSMUSG0	217.8749	0.129055	0.142152	0.907869	0.363947	0.781496	Apoa2
ENSMUSG0ENSMUSG0	785.1283	-0.14838	0.116545	-1.27317	0.202956	0.650454	Pan2
ENSMUSG0ENSMUSG0	8996.273	0.137898	0.060971	2.261697	0.023716	0.245557	Cs
ENSMUSG0ENSMUSG0	2624.256	0.017784	0.083211	0.213721	0.830765	0.963218	Bcas2
ENSMUSG0ENSMUSG0	3412.046	-0.07866	0.089685	-0.8771	0.380431	0.79028	Ctcf
ENSMUSG0ENSMUSG0	1267.239	0.127217	0.11233	1.132533	0.257411	0.702636	Pard6a
ENSMUSG0ENSMUSG0	44.97343	0.495213	0.142408	3.477426	0.000506	0.023878	Pvalb

ENSMUSG0ENSMUSG0	219.552	-0.06814	0.139034	-0.49012	0.624051	0.907988	Tfap4
ENSMUSG0ENSMUSG0	2034.044	0.174101	0.09222	1.887894	0.05904	0.391852	Ranbp1
ENSMUSG0ENSMUSG0	696.9896	-0.07063	0.108422	-0.65147	0.514746	0.862556	Rfx5
ENSMUSG0ENSMUSG0	7219.479	0.157058	0.101761	1.543407	0.122732	0.535747	Psmb4
ENSMUSG0ENSMUSG0	1230.941	-0.10047	0.068546	-1.46576	0.142714	0.572013	Slc30a4
ENSMUSG0ENSMUSG0	776.5373	0.034453	0.108689	0.316989	0.751252	0.942821	Sqor
ENSMUSG0ENSMUSG0	771.3567	0.060866	0.086384	0.704597	0.481061	0.846451	Bloc1s6
ENSMUSG0ENSMUSG0	2134.277	0.07156	0.073122	0.978628	0.327764	0.754804	Metap1
ENSMUSG0ENSMUSG0	2055.933	-0.11579	0.094967	-1.21924	0.222755	0.672985	Gpr108
ENSMUSG0ENSMUSG0	2617.402	0.046782	0.071684	0.652617	0.514003	0.862501	Rsl1d1
ENSMUSG0ENSMUSG0	2561.43	0.036089	0.10396	0.347144	0.728483	0.938587	Apc
ENSMUSG0ENSMUSG0	9513.928	0.026632	0.093607	0.284504	0.776024	0.950348	Reep5
ENSMUSG0ENSMUSG0	5660.668	-0.01563	0.105962	-0.14751	0.882726	0.976958	Ergic3
ENSMUSG0ENSMUSG0	1112.961	0.057633	0.073514	0.783971	0.433057	0.817148	Uqcc1
ENSMUSG0ENSMUSG0	1421.526	-0.11684	0.122547	-0.95343	0.340373	0.763413	Ncoa2
ENSMUSG0ENSMUSG0	2481.604	-0.0679	0.101925	-0.66619	0.505288	0.857566	Nr2c2
ENSMUSG0ENSMUSG0	469.6939	-0.1271	0.087799	-1.44758	0.147735	0.579628	Nr2c1
ENSMUSG0ENSMUSG0	1722.753	0.095261	0.103434	0.920977	0.357062	0.775443	Smpd4
ENSMUSG0ENSMUSG0	849.4879	-0.00983	0.091096	-0.10794	0.914045	0.983954	Pex1
ENSMUSG0ENSMUSG0	43.07682	-0.13334	0.137878	-0.96709	0.333497	0.758918	Otx1
ENSMUSG0ENSMUSG0	3559.915	0.023708	0.101041	0.234635	0.814492	0.959419	Kctd20
ENSMUSG0ENSMUSG0	36.58014	-0.09868	0.143461	-0.68787	0.491535	0.852803	Itgae
ENSMUSG0ENSMUSG0	1081.711	0.045586	0.142798	0.319238	0.749546	0.942352	Ctns
ENSMUSG0ENSMUSG0	221.8049	0.042735	0.115981	0.368464	0.712528	0.935647	Shpk
ENSMUSG0ENSMUSG0	606.2416	0.101509	0.130015	0.780752	0.434948	0.81783	Trpv1
ENSMUSG0ENSMUSG0	799.7646	0.038447	0.116137	0.331049	0.740608	0.940232	Tuft1
ENSMUSG0ENSMUSG0	140.0586	-0.03042	0.145653	-0.20883	0.834583	0.964682	Rcn1
ENSMUSG0ENSMUSG0	103.3742	0.115627	0.141672	0.81616	0.414409	0.807888	Dnase1
ENSMUSG0ENSMUSG0	1716.849	0.063471	0.078162	0.812041	0.416768	0.808789	Trap1
ENSMUSG0ENSMUSG0	2742.416	0.028714	0.075951	0.378062	0.705385	0.934791	Naa60
ENSMUSG0ENSMUSG0	359.7349	-0.02751	0.139273	-0.19755	0.843401	0.967288	1700037C1
ENSMUSG0ENSMUSG0	184.695	0.247875	0.13713	1.807585	0.070671	0.425044	Ankrd13d
ENSMUSG0ENSMUSG0	5550.455	0.046756	0.086364	0.541377	0.588248	0.894348	Tpr
ENSMUSG0ENSMUSG0	1412.306	-0.25123	0.124753	-2.01384	0.044027	0.337833	BC003331
ENSMUSG0ENSMUSG0	1438.332	-0.00453	0.123377	-0.03669	0.970734	0.995539	Dhx34
ENSMUSG0ENSMUSG0	688.74	0.024796	0.1132	0.219045	0.826615	0.962521	Kptn
ENSMUSG0ENSMUSG0	10227.43	-0.0236	0.058882	-0.40073	0.688615	0.931407	Napa
ENSMUSG0ENSMUSG0	3329.472	0.05281	0.092836	0.568846	0.569461	0.888674	Sra1
ENSMUSG0ENSMUSG0	7459.072	0.319974	0.101365	3.156666	0.001596	0.049379	Atp5g1
ENSMUSG0ENSMUSG0	1943.428	0.109602	0.10454	1.048429	0.294441	0.733828	Snf8
ENSMUSG0ENSMUSG0	2629.327	0.180355	0.139745	1.290598	0.196843	0.643523	Tbcb
ENSMUSG0ENSMUSG0	710.2213	-0.23251	0.090971	-2.55586	0.010593	0.158985	Inpp5k
ENSMUSG0ENSMUSG0	1320.056	0.051757	0.118184	0.437941	0.661429	0.923825	Crkl
ENSMUSG0ENSMUSG0	50.67678	-0.17126	0.121563	-1.40884	0.158882	0.59683	Eps8l1
ENSMUSG0ENSMUSG0	2956.666	0.090222	0.090071	1.001679	0.316498	0.749315	Clint1
ENSMUSG0ENSMUSG0	709.1787	0.019896	0.100606	0.197765	0.843229	0.967257	Prss16
ENSMUSG0ENSMUSG0	437.3384	0.095976	0.08064	1.190183	0.233974	0.68322	Cdkal1
ENSMUSG0ENSMUSG0	666.595	-0.04753	0.091972	-0.51677	0.60532	0.902142	Zbtb17
ENSMUSG0ENSMUSG0	37.69693	-0.07857	0.145383	-0.54043	0.588902	0.894745	Fam131c
ENSMUSG0ENSMUSG0	168.6006	0.008092	0.119168	0.067905	0.945861	0.989708	Ccdc159
ENSMUSG0ENSMUSG0	1553.757	0.032026	0.073558	0.435379	0.663288	0.924638	Mob1b
ENSMUSG0ENSMUSG0	12239.62	0.079277	0.089474	0.886038	0.375597	0.78793	Atp6v1b2

ENSMUSG0ENSMUSGC	2321.413	0.103688	0.082014	1.264271	0.206133	0.653818	Eps15l1
ENSMUSG0ENSMUSGC	770.9342	0.037705	0.098441	0.38302	0.701705	0.934077	Tep1
ENSMUSG0ENSMUSGC	950.4814	0.000751	0.100699	0.007461	0.994047	0.998655	Ttc5
ENSMUSG0ENSMUSGC	1305.088	0.053899	0.112965	0.477132	0.633268	0.912362	Osgep
ENSMUSG0ENSMUSGC	5121.549	0.131082	0.10259	1.277722	0.201347	0.648649	Aamp
ENSMUSG0ENSMUSGC	221.9257	0.043312	0.112089	0.386413	0.699191	0.933914	Tmbim1
ENSMUSG0ENSMUSGC	5186.796	0.113842	0.08849	1.286498	0.198269	0.645235	Arpc2
ENSMUSG0ENSMUSGC	1956.778	-0.04196	0.074425	-0.5638	0.572892	0.889998	Kmt2b
ENSMUSG0ENSMUSGC	75.41688	-0.2171	0.123498	-1.75794	0.078757	0.445187	Zbtb32
ENSMUSG0ENSMUSGC	6019.673	0.17093	0.096883	1.76429	0.077683	0.441948	Tmem147
ENSMUSG0ENSMUSGC	14817.47	0.119425	0.100958	1.182927	0.236838	0.685759	Rps9
ENSMUSG0ENSMUSGC	522.7315	0.113207	0.096277	1.175843	0.239658	0.688236	Tfpt
ENSMUSG0ENSMUSGC	213.7279	-0.11414	0.103193	-1.10603	0.268711	0.711911	Susd2
ENSMUSG0ENSMUSGC	487.94	0.410579	0.137474	2.986602	0.002821	0.072795	Ggt5
ENSMUSG0ENSMUSGC	834.7465	0.124927	0.091217	1.369567	0.170822	0.612136	Crip2
ENSMUSG0ENSMUSGC	1868.712	0.169972	0.123574	1.375469	0.168986	0.609508	Crip1
ENSMUSG0ENSMUSGC	741.4374	0.106708	0.145988	0.730933	0.46482	0.835932	Cbfa2t3
ENSMUSG0ENSMUSGC	3436.857	0.043623	0.085118	0.512505	0.608297	0.903796	Pgrmc1
ENSMUSG0ENSMUSGC	4869.586	0.300941	0.084634	3.55579	0.000377	0.019754	Gcat
ENSMUSG0ENSMUSGC	1654.497	-0.14934	0.085304	-1.75074	0.079991	0.447373	Elovl1
ENSMUSG0ENSMUSGC	1313.479	0.004747	0.078356	0.060587	0.951688	0.99204	Med8
ENSMUSG0ENSMUSGC	244.0232	0.04513	0.134151	0.336413	0.73656	0.939196	Hyi
ENSMUSG0ENSMUSGC	4007.799	-0.014	0.088788	-0.1577	0.874692	0.97593	Cdc20
ENSMUSG0ENSMUSGC	357.7664	-0.1149	0.10983	-1.04617	0.295484	0.734835	Adamts4
ENSMUSG0ENSMUSGC	199.2894	0.036142	0.136793	0.264212	0.791617	0.954496	Nectin4
ENSMUSG0ENSMUSGC	1744.953	0.167008	0.095463	1.749456	0.080212	0.447549	Pfdn2
ENSMUSG0ENSMUSGC	2002.213	-0.17281	0.074541	-2.31837	0.020429	0.226057	Rnf114
ENSMUSG0ENSMUSGC	1338.585	0.000544	0.09591	0.005672	0.995474	0.998655	C330007P0
ENSMUSG0ENSMUSGC	1083.176	-0.22046	0.126975	-1.73625	0.082519	0.454112	Neurl1a
ENSMUSG0ENSMUSGC	2253.514	0.283759	0.076213	3.723262	0.000197	0.012736	Srm
ENSMUSG0ENSMUSGC	121.102	-0.17184	0.143777	-1.19522	0.232003	0.681728	Epha2
ENSMUSG0ENSMUSGC	2284.017	-0.02309	0.058996	-0.39141	0.695497	0.933115	Rbm14
ENSMUSG0ENSMUSGC	62.72689	0.404869	0.143947	2.812618	0.004914	0.102353	Actn3
ENSMUSG0ENSMUSGC	918.8058	-0.1449	0.084666	-1.71139	0.08701	0.464219	Zdhhc24
ENSMUSG0ENSMUSGC	946.3972	0.0208	0.074459	0.279353	0.779974	0.951422	Bbs1
ENSMUSG0ENSMUSGC	797.3938	-0.01738	0.112007	-0.15515	0.876703	0.976116	Ndor1
ENSMUSG0ENSMUSGC	2282.303	-0.06478	0.074348	-0.87136	0.383555	0.790739	Nsmf
ENSMUSG0ENSMUSGC	4108.499	-0.04611	0.11116	-0.41482	0.678274	0.928688	Pdk1
ENSMUSG0ENSMUSGC	11734.65	0.058599	0.044736	1.309904	0.190228	0.637983	Ptbp1
ENSMUSG0ENSMUSGC	701.6781	0.292532	0.111941	2.613264	0.008968	0.144251	Mvd
ENSMUSG0ENSMUSGC	493.0785	0.137407	0.113827	1.207161	0.22737	0.676705	Tmem110
ENSMUSG0ENSMUSGC	1799.093	-0.04462	0.085122	-0.52421	0.600132	0.898993	Sfmbt1
ENSMUSG0ENSMUSGC	2064.58	0.195471	0.145007	1.348011	0.177655	0.620338	Cryba2
ENSMUSG0ENSMUSGC	230.2171	0.052027	0.144194	0.360812	0.71824	0.935997	Atp7b
ENSMUSG0ENSMUSGC	8123.827	0.087967	0.080611	1.09125	0.275163	0.716915	Rundc3a
ENSMUSG0ENSMUSGC	1400.256	0.117084	0.123544	0.947716	0.343274	0.765528	Slc4a3
ENSMUSG0ENSMUSGC	2575.349	0.115691	0.072362	1.598779	0.10987	0.513147	Cdt1
ENSMUSG0ENSMUSGC	1415.759	-0.03652	0.131792	-0.27707	0.781724	0.951693	Runx1t1
ENSMUSG0ENSMUSGC	1875.993	0.183973	0.115026	1.599406	0.10973	0.512855	Aprt
ENSMUSG0ENSMUSGC	1532.595	-0.03097	0.109442	-0.28296	0.777209	0.950382	Gtf2h1
ENSMUSG0ENSMUSGC	739.0499	0.106299	0.138531	0.767333	0.442884	0.822532	Hfe
ENSMUSG0ENSMUSGC	547.1713	0.230639	0.089584	2.574555	0.010037	0.153467	Slc5a6

ENSMUSG0ENSMUSG0	15332.63	-0.09365	0.054218	-1.72733	0.084109	0.457758	Aplp1
ENSMUSG0ENSMUSG0	2404.391	-0.08173	0.099069	-0.82498	0.409385	0.803007	Qrich1
ENSMUSG0ENSMUSG0	676.3281	-0.1593	0.109873	-1.44988	0.147092	0.578629	P4htm
ENSMUSG0ENSMUSG0	4225.572	-0.02424	0.094333	-0.25693	0.797234	0.955973	Usp19
ENSMUSG0ENSMUSG0	2002.652	0.059971	0.106715	0.561975	0.574133	0.890306	Pola1
ENSMUSG0ENSMUSG0	13115.28	0.111092	0.077376	1.435739	0.151077	0.585176	Cdc42
ENSMUSG0ENSMUSG0	1437.399	-0.14382	0.098106	-1.46593	0.142669	0.572013	Pknx1
ENSMUSG0ENSMUSG0	311.2502	0.27112	0.130614	2.075733	0.037919	0.316194	D130043K2
ENSMUSG0ENSMUSG0	1696.926	0.130308	0.089604	1.454263	0.145873	0.576038	Gmn
ENSMUSG0ENSMUSG0	1226.623	0.086818	0.10637	0.816188	0.414393	0.807888	Acot13
ENSMUSG0ENSMUSG0	167.1471	-0.00368	0.122023	-0.03017	0.97593	0.996296	Zfp184
ENSMUSG0ENSMUSG0	8632.551	0.036701	0.091325	0.401869	0.68778	0.931173	Cdk4
ENSMUSG0ENSMUSG0	66.70229	-0.47335	0.132856	-3.56292	0.000367	0.019391	B4galnt1
ENSMUSG0ENSMUSG0	998.8104	0.043463	0.103711	0.419077	0.67516	0.927604	Mettl1
ENSMUSG0ENSMUSG0	3417.002	0.02023	0.07048	0.287029	0.77409	0.949821	Tspan31
ENSMUSG0ENSMUSG0	2680.615	0.061134	0.113333	0.539424	0.589595	0.895276	Kif5b
ENSMUSG0ENSMUSG0	745.9013	-0.07081	0.085001	-0.83308	0.404798	0.800908	Saal1
ENSMUSG0ENSMUSG0	126.2214	-0.08601	0.140481	-0.61222	0.540394	0.873794	Tph2
ENSMUSG0ENSMUSG0	549.917	-0.08399	0.082713	-1.01546	0.309888	0.744076	Cnp
ENSMUSG0ENSMUSG0	47.05359	-0.26551	0.139683	-1.90082	0.057326	0.386285	Ttc25
ENSMUSG0ENSMUSG0	503.6305	-0.15356	0.129932	-1.18185	0.237266	0.685884	Sulf2
ENSMUSG0ENSMUSG0	3355.787	0.195499	0.070912	2.756924	0.005835	0.114003	Sod2
ENSMUSG0ENSMUSG0	369.8484	-0.07	0.094232	-0.74282	0.457594	0.831647	Tmco6
ENSMUSG0ENSMUSG0	1293.464	0.01813	0.084755	0.213916	0.830613	0.963218	Stambp
ENSMUSG0ENSMUSG0	938.3645	-0.08142	0.069323	-1.17445	0.240217	0.688236	Ezh1
ENSMUSG0ENSMUSG0	5725.504	0.001562	0.087645	0.017821	0.985781	0.997875	Hap1
ENSMUSG0ENSMUSG0	1667.551	0.11284	0.075556	1.493452	0.135319	0.560871	P3h4
ENSMUSG0ENSMUSG0	13679.61	-0.01228	0.059791	-0.20532	0.837323	0.965548	Ctnnb1
ENSMUSG0ENSMUSG0	1801.178	0.050727	0.113052	0.448708	0.653642	0.919812	Eif1b
ENSMUSG0ENSMUSG0	11003.67	0.164658	0.059396	2.772204	0.005568	0.111082	Psmd2
ENSMUSG0ENSMUSG0	1691.816	0.114159	0.08467	1.348281	0.177568	0.620338	Syng3
ENSMUSG0ENSMUSG0	6057.322	0.084051	0.096443	0.871512	0.383475	0.790739	Vars
ENSMUSG0ENSMUSG0	123.9773	-0.10526	0.146011	-0.72093	0.47095	0.840394	Msh5
ENSMUSG0ENSMUSG0	3222.932	-0.03966	0.05788	-0.68525	0.493186	0.852803	Abhd16a
ENSMUSG0ENSMUSG0	3321.193	-0.21733	0.136478	-1.59239	0.111296	0.515827	Neu1
ENSMUSG0ENSMUSG0	420.3762	0.245609	0.118961	2.064619	0.038959	0.32091	Ddah2
ENSMUSG0ENSMUSG0	3718.797	-0.01001	0.100401	-0.09967	0.920603	0.985705	Clic1
ENSMUSG0ENSMUSG0	1130.001	0.036085	0.095698	0.377072	0.70612	0.934791	Lsm2
ENSMUSG0ENSMUSG0	1990.657	0.097682	0.084075	1.161845	0.245299	0.693512	Pole
ENSMUSG0ENSMUSG0	775.4876	-0.1031	0.083561	-1.23379	0.217283	0.667997	Stx1a
ENSMUSG0ENSMUSG0	191.4194	0.074374	0.121812	0.610568	0.541486	0.874777	Zfp775
ENSMUSG0ENSMUSG0	2101.634	0.191175	0.08152	2.345122	0.019021	0.217114	Mrpl49
ENSMUSG0ENSMUSG0	105.3229	-0.06921	0.123861	-0.55881	0.576295	0.890536	Dennd2c
ENSMUSG0ENSMUSG0	3345.682	-0.00227	0.053133	-0.04276	0.96589	0.994842	Mark3
ENSMUSG0ENSMUSG0	2961.845	0.024966	0.064981	0.384214	0.70082	0.934077	Gatad1
ENSMUSG0ENSMUSG0	420.9381	-0.02621	0.144638	-0.18119	0.856215	0.971472	Pcdha11
ENSMUSG0ENSMUSG0	4999.724	-0.29023	0.072273	-4.0157	5.93E-05	0.005502	M6pr
ENSMUSG0ENSMUSG0	741.0586	0.093734	0.096661	0.969716	0.332188	0.758	Lrrc8a
ENSMUSG0ENSMUSG0	10913.04	0.141238	0.100423	1.40643	0.159596	0.597737	Ppp2r1a
ENSMUSG0ENSMUSG0	622.3883	0.088833	0.126147	0.7042	0.481308	0.846451	Fance
ENSMUSG0ENSMUSG0	1446.944	0.075417	0.067863	1.11132	0.26643	0.709554	Tinf2
ENSMUSG0ENSMUSG0	53.08238	-0.00655	0.140226	-0.04672	0.962735	0.994289	Tssk4

ENSMUSG0ENSMUSG0	3473.779	-0.28311	0.112878	-2.50811	0.012138	0.170953	Hapln4
ENSMUSG0ENSMUSG0	1131.893	-0.01449	0.06633	-0.21844	0.827085	0.962625	Dus3l
ENSMUSG0ENSMUSG0	566.2515	0.026978	0.101394	0.266074	0.790183	0.954487	Gtpbp3
ENSMUSG0ENSMUSG0	1269.762	0.113635	0.105323	1.078915	0.280625	0.721619	Tgfb1
ENSMUSG0ENSMUSG0	496.6697	-0.04424	0.108461	-0.40789	0.683352	0.930558	Homer1
ENSMUSG0ENSMUSG0	659.0583	-0.13259	0.074375	-1.78268	0.074639	0.434159	Rad51c
ENSMUSG0ENSMUSG0	4088.252	0.116509	0.098926	1.177733	0.238903	0.687957	Arpp19
ENSMUSG0ENSMUSG0	1727.284	0.079266	0.098261	0.806681	0.41985	0.81145	Bcl2l1
ENSMUSG0ENSMUSG0	3961.472	0.081769	0.09265	0.882556	0.377476	0.788723	Khsrp
ENSMUSG0ENSMUSG0	201.1701	0.090393	0.131245	0.688733	0.490991	0.852126	Dio2
ENSMUSG0ENSMUSG0	2186.107	0.154191	0.105118	1.466838	0.14242	0.571875	Ccdc124
ENSMUSG0ENSMUSG0	5869.569	0.140655	0.065639	2.142859	0.032124	0.287421	Cct4
ENSMUSG0ENSMUSG0	1327.748	0.126677	0.070462	1.797798	0.072209	0.429142	0610009B2
ENSMUSG0ENSMUSG0	2084.774	-0.00841	0.070741	-0.11885	0.905395	0.982338	Cpt1c
ENSMUSG0ENSMUSG0	816.0832	-0.09597	0.093847	-1.02264	0.306477	0.742824	Zfp655
ENSMUSG0ENSMUSG0	10654.87	0.047362	0.044358	1.067735	0.28564	0.726542	Rhoa
ENSMUSG0ENSMUSG0	4779.246	0.06825	0.101817	0.670324	0.502651	0.856225	Zmiz1
ENSMUSG0ENSMUSG0	702.7591	-0.02042	0.115363	-0.17703	0.859486	0.972503	Ankrd26
ENSMUSG0ENSMUSG0	1830.06	-0.11345	0.100018	-1.13426	0.256686	0.702235	Aldh16a1
ENSMUSG0ENSMUSG0	3123.461	-0.02739	0.103634	-0.26432	0.791536	0.954487	Hnrnpa0
ENSMUSG0ENSMUSG0	1135.711	0.145056	0.090043	1.610969	0.107187	0.508072	Prrg2
ENSMUSG0ENSMUSG0	9732.888	0.043704	0.077995	0.560347	0.575243	0.890536	Hnrnp1
ENSMUSG0ENSMUSG0	136.5574	-0.06307	0.131928	-0.47804	0.632622	0.911817	Ift43
ENSMUSG0ENSMUSG0	4207.994	0.125151	0.12442	1.00588	0.314473	0.747423	Id3
ENSMUSG0ENSMUSG0	3523.246	-0.11806	0.100965	-1.16932	0.242275	0.689628	Arid1a
ENSMUSG0ENSMUSG0	329.9047	-0.16102	0.128858	-1.24956	0.211462	0.660665	Crlf1
ENSMUSG0ENSMUSG0	13691.34	-0.06174	0.112801	-0.54736	0.584132	0.893087	Ctsd
ENSMUSG0ENSMUSG0	14570.13	0.18669	0.108352	1.722991	0.08489	0.459517	Rplp1
ENSMUSG0ENSMUSG0	721.3797	-0.08685	0.1297	-0.66959	0.503118	0.856225	Hmgcl1
ENSMUSG0ENSMUSG0	1141.863	0.213619	0.112278	1.902587	0.057094	0.385445	Ttc9b
ENSMUSG0ENSMUSG0	4875.279	0.194505	0.076615	2.538725	0.011126	0.163343	Abhd8
ENSMUSG0ENSMUSG0	1100.112	0.079349	0.103037	0.770096	0.441243	0.821462	Ift22
ENSMUSG0ENSMUSG0	858.7764	0.114652	0.106344	1.078129	0.280976	0.721619	Fzd3
ENSMUSG0ENSMUSG0	2432.232	0.32721	0.081688	4.005606	6.19E-05	0.005663	Mid1ip1
ENSMUSG0ENSMUSG0	5215.208	0.149161	0.121073	1.231988	0.217953	0.668667	Ap2s1
ENSMUSG0ENSMUSG0	68.05727	-0.28029	0.143109	-1.95854	0.050167	0.362278	4930432K2
ENSMUSG0ENSMUSG0	42.41064	-0.05041	0.14384	-0.35047	0.725984	0.938271	Fhl2
ENSMUSG0ENSMUSG0	5994.232	-0.02163	0.075823	-0.28529	0.77542	0.950136	Emc10
ENSMUSG0ENSMUSG0	1659.663	0.134257	0.074156	1.81046	0.070225	0.42398	Clstn3
ENSMUSG0ENSMUSG0	661.5858	0.000841	0.100623	0.008359	0.993331	0.998539	Fbxw9
ENSMUSG0ENSMUSG0	2175.219	-0.01793	0.12373	-0.14489	0.884794	0.977581	Fnbp4
ENSMUSG0ENSMUSG0	75.96722	-0.21752	0.146007	-1.48976	0.136287	0.562789	Cers4
ENSMUSG0ENSMUSG0	817.3254	-0.19124	0.098564	-1.94021	0.052354	0.37086	Scrn3
ENSMUSG0ENSMUSG0	1276.439	0.09053	0.085858	1.054417	0.291692	0.731528	Phax
ENSMUSG0ENSMUSG0	2819.802	-0.09544	0.098191	-0.97195	0.331075	0.757395	Tle1
ENSMUSG0ENSMUSG0	36.65763	-0.0857	0.145138	-0.59049	0.554865	0.881825	1700109H0
ENSMUSG0ENSMUSG0	712.536	0.194653	0.100813	1.930829	0.053504	0.37491	Relt
ENSMUSG0ENSMUSG0	1093.645	0.030056	0.068895	0.436252	0.662654	0.924603	Snrpb2
ENSMUSG0ENSMUSG0	33285.84	0.039804	0.092969	0.428143	0.668547	0.925067	Ubc
ENSMUSG0ENSMUSG0	1561.383	0.161512	0.090843	1.777926	0.075416	0.436401	Prpf31
ENSMUSG0ENSMUSG0	477.6837	-0.01508	0.126656	-0.11906	0.905226	0.982338	Sertad1
ENSMUSG0ENSMUSG0	5339.104	0.083026	0.073345	1.131995	0.257636	0.702747	Carhsp1

ENSMUSG0ENSMUSG0	1137.734	-0.02562	0.097409	-0.26305	0.792511	0.954971	Elk3
ENSMUSG0ENSMUSG0	1268.45	0.069434	0.077254	0.898771	0.368774	0.784563	Herpud2
ENSMUSG0ENSMUSG0	996.8215	0.011129	0.114637	0.097084	0.92266	0.985705	Rdh13
ENSMUSG0ENSMUSG0	1692.27	0.172456	0.085585	2.015016	0.043903	0.337833	Nutf2
ENSMUSG0ENSMUSG0	365.4806	-0.02866	0.112533	-0.25466	0.798983	0.956481	Fut1
ENSMUSG0ENSMUSG0	5842.074	0.264301	0.096063	2.751333	0.005935	0.114461	Arpc5
ENSMUSG0ENSMUSG0	593.9836	-0.04252	0.100206	-0.42435	0.671308	0.926357	Elavl2
ENSMUSG0ENSMUSG0	117.832	-0.14408	0.141487	-1.0183	0.308536	0.743099	Pou2f2
ENSMUSG0ENSMUSG0	303.0024	-0.02942	0.145127	-0.20275	0.839332	0.965937	Nfib
ENSMUSG0ENSMUSG0	2218.049	0.168025	0.09085	1.849466	0.064391	0.408888	Rab25
ENSMUSG0ENSMUSG0	2463.969	0.106405	0.086572	1.229086	0.21904	0.669212	Ubqln4
ENSMUSG0ENSMUSG0	210.3934	-0.06874	0.140885	-0.48791	0.625611	0.908394	Rbfox1
ENSMUSG0ENSMUSG0	11506.95	0.163925	0.101566	1.613977	0.106532	0.506408	Rps18
ENSMUSG0ENSMUSG0	5015.121	0.180216	0.103506	1.741119	0.081663	0.451665	Rpl10
ENSMUSG0ENSMUSG0	6723.968	0.108179	0.113664	0.951747	0.341226	0.763898	Rps15a
ENSMUSG0ENSMUSG0	6900.175	0.058304	0.073236	0.796112	0.425967	0.81459	Ncaph2
ENSMUSG0ENSMUSG0	2261.498	0.016063	0.106857	0.150322	0.880511	0.97663	Hipk1
ENSMUSG0ENSMUSG0	475.8523	-0.13232	0.134323	-0.98506	0.324595	0.754061	Gprc5b
ENSMUSG0ENSMUSG0	2401.638	0.078612	0.088069	0.892619	0.372061	0.7863	Man1a2
ENSMUSG0ENSMUSG0	704.5939	0.124681	0.09865	1.263866	0.206278	0.653818	Acyp1
ENSMUSG0ENSMUSG0	1333.13	-0.30554	0.11829	-2.58297	0.009795	0.151369	Hdac5
ENSMUSG0ENSMUSG0	2051.271	0.144448	0.082868	1.743105	0.081315	0.450985	Rala
ENSMUSG0ENSMUSG0	5239.832	0.092029	0.076097	1.209369	0.226521	0.675764	Vdac3
ENSMUSG0ENSMUSG0	1391.31	0.02651	0.071658	0.369947	0.711422	0.935647	Vps72
ENSMUSG0ENSMUSG0	1620.405	-0.06745	0.118866	-0.56742	0.570428	0.888936	Gabpa
ENSMUSG0ENSMUSG0	37.70244	-0.12706	0.145839	-0.87125	0.383617	0.790739	Bmp7
ENSMUSG0ENSMUSG0	5399.346	0.144626	0.111288	1.299558	0.193752	0.639447	Dynll1
ENSMUSG0ENSMUSG0	798.3473	0.131046	0.109594	1.195745	0.231796	0.681648	Pdcl
ENSMUSG0ENSMUSG0	2777.296	-0.04241	0.101771	-0.41671	0.676892	0.927788	Tmem184b
ENSMUSG0ENSMUSG0	3733.837	-0.00258	0.080765	-0.03195	0.974515	0.996035	Nf2
ENSMUSG0ENSMUSG0	381.4922	0.066174	0.119278	0.554789	0.579039	0.892427	Zmat5
ENSMUSG0ENSMUSG0	9512.917	0.041992	0.057812	0.726356	0.46762	0.838455	Ewsr1
ENSMUSG0ENSMUSG0	5023.071	0.165647	0.085907	1.928215	0.053828	0.37568	Ap1b1
ENSMUSG0ENSMUSG0	212.3978	-0.14822	0.136897	-1.08269	0.278947	0.720991	Derl3
ENSMUSG0ENSMUSG0	162.86	-0.28676	0.134093	-2.13851	0.032475	0.289526	Gnat2
ENSMUSG0ENSMUSG0	2302.947	-0.23935	0.085649	-2.79452	0.005198	0.106118	Bcl2l13
ENSMUSG0ENSMUSG0	60.03765	-0.18824	0.144802	-1.29996	0.193616	0.639447	Dqx1
ENSMUSG0ENSMUSG0	719.956	0.148586	0.114362	1.29926	0.193855	0.639447	Ln timer
ENSMUSG0ENSMUSG0	42.03686	-0.00328	0.142662	-0.02298	0.981663	0.997345	Fam163b
ENSMUSG0ENSMUSG0	3118.724	0.098622	0.096515	1.021837	0.306858	0.743081	Trpm5
ENSMUSG0ENSMUSG0	3075.035	0.115131	0.058381	1.972059	0.048603	0.355952	Pttg1ip
ENSMUSG0ENSMUSG0	1588.241	-0.0631	0.081419	-0.77502	0.438325	0.819745	Ube2g2
ENSMUSG0ENSMUSG0	3870.644	0.03356	0.115614	0.290273	0.771608	0.949297	Slc16a12
ENSMUSG0ENSMUSG0	1426.209	0.069508	0.091753	0.757553	0.448718	0.825037	Syn2
ENSMUSG0ENSMUSG0	836.2903	0.030755	0.07993	0.384766	0.70041	0.933997	Elk1
ENSMUSG0ENSMUSG0	3030.213	0.077411	0.114404	0.676648	0.498629	0.854162	Nav1
ENSMUSG0ENSMUSG0	6225.344	0.101881	0.11288	0.902558	0.366761	0.783263	Tnpo1
ENSMUSG0ENSMUSG0	1169.903	0.006459	0.104387	0.061875	0.950662	0.991534	Rnmt
ENSMUSG0ENSMUSG0	37.84969	-0.48627	0.145523	-3.34151	0.000833	0.033093	Kcnq1
ENSMUSG0ENSMUSG0	2961.162	0.03263	0.115092	0.283512	0.776784	0.950382	Srp14
ENSMUSG0ENSMUSG0	1826.044	-0.03834	0.076308	-0.50242	0.615374	0.906204	Cdk9
ENSMUSG0ENSMUSG0	1725.606	-0.47076	0.106729	-4.41081	1.03E-05	0.00155	Tor2a

ENSMUSG0ENSMUSG0	733.8365	-0.01592	0.09434	-0.16878	0.865967	0.974359	Fpgs
ENSMUSG0ENSMUSG0	1210.005	0.050094	0.079068	0.633547	0.526376	0.868304	Mkl2
ENSMUSG0ENSMUSG0	8763.95	0.181747	0.075959	2.392689	0.016725	0.202691	Cbx5
ENSMUSG0ENSMUSG0	1361.053	-0.0614	0.113195	-0.54238	0.587555	0.894311	Apobec3
ENSMUSG0ENSMUSG0	1040.548	-0.00178	0.100926	-0.01763	0.985933	0.997877	Vav2
ENSMUSG0ENSMUSG0	473.7612	-0.00823	0.1311	-0.06281	0.949919	0.991323	Tex15
ENSMUSG0ENSMUSG0	2723.423	0.040132	0.092901	0.431986	0.665751	0.925067	Ppp2cb
ENSMUSG0ENSMUSG0	858.0681	0.136465	0.110816	1.231447	0.218156	0.668743	Dmap1
ENSMUSG0ENSMUSG0	617.2337	0.097912	0.09599	1.020021	0.307718	0.743099	Mcu
ENSMUSG0ENSMUSG0	3631.231	0.082472	0.078712	1.047758	0.29475	0.733828	Bcr
ENSMUSG0ENSMUSG0	91.67502	-0.25401	0.144655	-1.756	0.079088	0.445187	Fxyd5
ENSMUSG0ENSMUSG0	670.8456	0.009649	0.141748	0.068073	0.945727	0.989708	Kcnd1
ENSMUSG0ENSMUSG0	315.5692	-0.03039	0.102771	-0.29567	0.767481	0.948583	Tfcp2
ENSMUSG0ENSMUSG0	198.2748	-0.45141	0.14087	-3.20444	0.001353	0.044013	Pou6f1
ENSMUSG0ENSMUSG0	2308.481	-0.0615	0.078909	-0.77934	0.435779	0.818229	Ubp1
ENSMUSG0ENSMUSG0	1227.018	-0.2237	0.100333	-2.22961	0.025773	0.256884	Nuak2
ENSMUSG0ENSMUSG0	467.4602	-0.0358	0.086234	-0.41518	0.678011	0.928584	Ick
ENSMUSG0ENSMUSG0	3927.744	0.197879	0.096353	2.053695	0.040005	0.324879	Sdhb
ENSMUSG0ENSMUSG0	3565.246	0.168982	0.079736	2.119273	0.034067	0.298023	Snap47
ENSMUSG0ENSMUSG0	511.0385	-0.08357	0.13167	-0.63467	0.525645	0.868304	Kdsr
ENSMUSG0ENSMUSG0	2551.482	-0.35138	0.112501	-3.12336	0.001788	0.05276	Vps4b
ENSMUSG0ENSMUSG0	10311.38	0.174778	0.110444	1.582499	0.113536	0.519695	Rps25
ENSMUSG0ENSMUSG0	1071.191	-0.18414	0.078049	-2.35921	0.018314	0.213188	Taz
ENSMUSG0ENSMUSG0	744.2986	-0.16872	0.088794	-1.90012	0.057418	0.386458	Kif19a
ENSMUSG0ENSMUSG0	2033.667	0.074357	0.089405	0.831681	0.405589	0.80178	Aldh3a2
ENSMUSG0ENSMUSG0	1301.819	-0.04336	0.078933	-0.54939	0.582738	0.892926	Tmem115
ENSMUSG0ENSMUSG0	659.3479	0.014483	0.079285	0.182675	0.855053	0.970905	Hyal2
ENSMUSG0ENSMUSG0	676.8839	0.005302	0.111747	0.047448	0.962156	0.994289	Ifrd2
ENSMUSG0ENSMUSG0	44.47309	-0.10585	0.145247	-0.72878	0.466133	0.836799	Hyal1
ENSMUSG0ENSMUSG0	1090.381	0.073908	0.105078	0.703358	0.481833	0.846451	Tusc2
ENSMUSG0ENSMUSG0	1176.928	0.129325	0.077168	1.675878	0.093762	0.480382	Nprl2
ENSMUSG0ENSMUSG0	857.2873	-0.04064	0.130384	-0.31167	0.755295	0.94451	Rassf1
ENSMUSG0ENSMUSG0	1853.17	-0.10957	0.11656	-0.94	0.347219	0.768756	Rnf112
ENSMUSG0ENSMUSG0	8441.604	0.092238	0.082374	1.119752	0.262819	0.70601	Slc3a2
ENSMUSG0ENSMUSG0	5173.053	0.056259	0.114495	0.49137	0.623165	0.907988	Nxf1
ENSMUSG0ENSMUSG0	3223.883	-0.00166	0.087516	-0.01895	0.984878	0.997439	Stx5a
ENSMUSG0ENSMUSG0	619.6523	-0.02175	0.106337	-0.20451	0.837957	0.965548	Spire2
ENSMUSG0ENSMUSG0	360.3731	-0.00036	0.122532	-0.00297	0.997632	0.998981	Prox1
ENSMUSG0ENSMUSG0	6148.179	0.01802	0.06937	0.259761	0.795048	0.955451	Raver1
ENSMUSG0ENSMUSG0	7606.696	-0.02146	0.054375	-0.39471	0.693057	0.932283	2610507B1
ENSMUSG0ENSMUSG0	663.111	-0.03691	0.087229	-0.42312	0.672209	0.926714	Al597479
ENSMUSG0ENSMUSG0	875.2133	-0.12715	0.139639	-0.91054	0.362537	0.780559	Tmem86a
ENSMUSG0ENSMUSG0	684.9946	0.141511	0.115802	1.222004	0.221706	0.672097	Ifi35
ENSMUSG0ENSMUSG0	156.1004	-0.04447	0.143941	-0.30894	0.757369	0.945152	Rdm1
ENSMUSG0ENSMUSG0	3803.188	0.138701	0.116772	1.187799	0.234913	0.68322	Nedd8
ENSMUSG0ENSMUSG0	1988.49	0.034348	0.071574	0.479895	0.631302	0.911457	Gosr1
ENSMUSG0ENSMUSG0	917.927	0.13327	0.122766	1.08556	0.277674	0.719454	Mrpl52
ENSMUSG0ENSMUSG0	1999.168	0.036509	0.09975	0.366003	0.714363	0.935647	Kansl3
ENSMUSG0ENSMUSG0	704.6178	-0.15236	0.111134	-1.37092	0.170401	0.611543	Ebf3
ENSMUSG0ENSMUSG0	101.0082	0.281201	0.140647	1.999345	0.045571	0.34404	Uckl1os
ENSMUSG0ENSMUSG0	2279.094	-0.24164	0.100834	-2.39644	0.016555	0.202349	Myt1
ENSMUSG0ENSMUSG0	3981.631	0.18575	0.066284	2.802344	0.005073	0.104652	Faf1

ENSMUSG0ENSMUSG0	52.72292	0.071389	0.138392	0.515845	0.605963	0.902496	Tsacc
ENSMUSG0ENSMUSG0	1236.935	0.259441	0.092476	2.805506	0.005024	0.103951	Mettl16
ENSMUSG0ENSMUSG0	719.6406	0.071611	0.125374	0.571181	0.567877	0.888146	Pigyl
ENSMUSG0ENSMUSG0	3187.69	0.022557	0.100745	0.2239	0.822835	0.961437	Rbm25
ENSMUSG0ENSMUSG0	877.1152	0.050336	0.10224	0.492338	0.622481	0.907988	Psen2
ENSMUSG0ENSMUSG0	10607.81	0.15247	0.136264	1.118934	0.263168	0.706508	Fads1
ENSMUSG0ENSMUSG0	528.8031	0.00976	0.087553	0.11148	0.911236	0.983805	Lmbr1
ENSMUSG0ENSMUSG0	567.6641	0.049447	0.095616	0.517138	0.60506	0.902056	Tnfrsf22
ENSMUSG0ENSMUSG0	3207.265	0.222245	0.140143	1.585846	0.112774	0.518563	Cars
ENSMUSG0ENSMUSG0	402.5542	0.004095	0.124642	0.032851	0.973793	0.995862	Kdelr3
ENSMUSG0ENSMUSG0	678.2942	0.082686	0.121393	0.681148	0.495778	0.853814	Apip
ENSMUSG0ENSMUSG0	866.5243	0.158724	0.083063	1.910893	0.056018	0.382862	Pdhx
ENSMUSG0ENSMUSG0	2170.226	-0.01858	0.118732	-0.1565	0.875643	0.97593	Vac14
ENSMUSG0ENSMUSG0	95.54171	-0.53638	0.142565	-3.76237	0.000168	0.011657	Slc5a1
ENSMUSG0ENSMUSG0	2357.292	0.214814	0.10268	2.092061	0.036433	0.308423	Akt1s1
ENSMUSG0ENSMUSG0	5680.999	0.131572	0.07592	1.733039	0.083089	0.455218	Tbrg1
ENSMUSG0ENSMUSG0	320.2793	0.00825	0.140643	0.058658	0.953225	0.992357	Adssl1
ENSMUSG0ENSMUSG0	1430.395	0.107643	0.083509	1.288993	0.1974	0.644399	Brf1
ENSMUSG0ENSMUSG0	650.723	0.292879	0.089022	3.289969	0.001002	0.036594	Vipr2
ENSMUSG0ENSMUSG0	10669.19	-0.01534	0.10592	-0.14486	0.884823	0.977581	Odc1
ENSMUSG0ENSMUSG0	214.4656	-0.11496	0.11714	-0.98137	0.326411	0.754362	Thg1l
ENSMUSG0ENSMUSG0	3030.66	0.127129	0.104046	1.221855	0.221762	0.672097	Pabpc4
ENSMUSG0ENSMUSG0	82.20691	-0.05595	0.125585	-0.44551	0.655953	0.920732	Zfp296
ENSMUSG0ENSMUSG0	1996.4	0.016033	0.077401	0.207137	0.835903	0.965089	Sugp1
ENSMUSG0ENSMUSG0	206.4539	-0.0591	0.110482	-0.53491	0.592713	0.895885	Dhdh
ENSMUSG0ENSMUSG0	347.8441	0.106042	0.099798	1.062566	0.287979	0.728366	Zfp790
ENSMUSG0ENSMUSG0	785.1537	0.314096	0.085117	3.690149	0.000224	0.013742	Fsd1
ENSMUSG0ENSMUSG0	555.8437	0.077883	0.134583	0.578698	0.562793	0.885086	Fuz
ENSMUSG0ENSMUSG0	2140.686	-0.19459	0.076537	-2.54238	0.01101	0.162801	Sptbn4
ENSMUSG0ENSMUSG0	37778.04	0.028538	0.145775	0.195765	0.844794	0.967714	Pgam1
ENSMUSG0ENSMUSG0	1150	-0.01314	0.115001	-0.11424	0.909051	0.983034	Evi5
ENSMUSG0ENSMUSG0	928.6436	0.145223	0.117065	1.240538	0.214777	0.665643	Evi5l
ENSMUSG0ENSMUSG0	1269.519	0.113669	0.091241	1.245811	0.212834	0.662162	Snappc2
ENSMUSG0ENSMUSG0	3748.418	0.037547	0.087652	0.428363	0.668387	0.925067	Git1
ENSMUSG0ENSMUSG0	2904.181	-0.14073	0.07171	-1.96244	0.049712	0.36016	Gltf
ENSMUSG0ENSMUSG0	505.5572	-0.10835	0.102546	-1.0566	0.290693	0.730515	Bnip2
ENSMUSG0ENSMUSG0	1346.102	0.110701	0.070869	1.562036	0.118279	0.528824	Ccnt1
ENSMUSG0ENSMUSG0	320.6399	-0.02593	0.131411	-0.1973	0.843597	0.967429	Scarf2
ENSMUSG0ENSMUSG0	1307.802	0.088397	0.078601	1.124624	0.260748	0.704284	Brms1l
ENSMUSG0ENSMUSG0	1833.926	-0.03507	0.074644	-0.46984	0.638472	0.913202	Med15
ENSMUSG0ENSMUSG0	3371.505	0.062754	0.073197	0.857333	0.391261	0.794949	Dhdds
ENSMUSG0ENSMUSG0	96.25854	-0.01757	0.130821	-0.13428	0.893183	0.979424	Crybg2
ENSMUSG0ENSMUSG0	114.0153	0.055102	0.140589	0.391938	0.695104	0.933115	Ubxn11
ENSMUSG0ENSMUSG0	1077.325	-0.06449	0.075995	-0.84859	0.396107	0.797159	Tjap1
ENSMUSG0ENSMUSG0	54.87847	-0.15608	0.144978	-1.07657	0.281674	0.722397	Ehf
ENSMUSG0ENSMUSG0	11777.34	0.116795	0.103902	1.124086	0.260976	0.70448	Rpl15
ENSMUSG0ENSMUSG0	2545.205	0.038643	0.063862	0.605101	0.545112	0.875467	Tmem167
ENSMUSG0ENSMUSG0	721.0029	-0.03334	0.081394	-0.40966	0.682053	0.929953	Mplkip
ENSMUSG0ENSMUSG0	2626.672	0.070831	0.093946	0.753954	0.450877	0.826504	Kif11
ENSMUSG0ENSMUSG0	1111.712	0.05735	0.089244	0.642618	0.520472	0.865425	Rpa3
ENSMUSG0ENSMUSG0	1029.513	0.079035	0.114983	0.687359	0.491856	0.852803	Mkl
ENSMUSG0ENSMUSG0	3209.88	0.112249	0.056409	1.989907	0.046601	0.348544	Tnpo3

ENSMUSG0ENSMUSGC	877.2616	-0.0257	0.096308	-0.26686	0.789578	0.954487	Ttll5
ENSMUSG0ENSMUSGC	508.9883	-0.11544	0.135552	-0.85165	0.394407	0.79626	Zfp715
ENSMUSG0ENSMUSGC	1587.86	0.031499	0.126598	0.248808	0.803509	0.957179	Cdh23
ENSMUSG0ENSMUSGC	13294.68	0.129276	0.115546	1.118822	0.263216	0.706508	Rps5
ENSMUSG0ENSMUSGC	5172.358	-0.03413	0.117747	-0.28983	0.77195	0.949404	Adgrl1
ENSMUSG0ENSMUSGC	103.9834	0.110932	0.145808	0.760805	0.446773	0.824037	Amotl1
ENSMUSG0ENSMUSGC	451.9103	0.216441	0.125338	1.726864	0.084192	0.457758	2200002J24
ENSMUSG0ENSMUSGC	1206.355	0.027594	0.140765	0.19603	0.844587	0.967714	Etv5
ENSMUSG0ENSMUSGC	45.24946	0.233408	0.141616	1.648174	0.099317	0.491511	Tmem190
ENSMUSG0ENSMUSGC	775.8639	0.150577	0.128295	1.17368	0.240523	0.6886	Gfod2
ENSMUSG0ENSMUSGC	1210.202	0.082118	0.115231	0.712641	0.476068	0.843045	Enkd1
ENSMUSG0ENSMUSGC	10136.49	0.129465	0.101112	1.280401	0.200404	0.647836	Atp6v0d1
ENSMUSG0ENSMUSGC	4087.995	-0.21443	0.093063	-2.30414	0.021215	0.231563	Ptprs
ENSMUSG0ENSMUSGC	279.1274	-0.21285	0.143611	-1.48212	0.138309	0.566242	Slc41a1
ENSMUSG0ENSMUSGC	175.5639	-0.21677	0.140541	-1.54239	0.122979	0.535747	Iglon5
ENSMUSG0ENSMUSGC	767.699	0.082512	0.077592	1.063411	0.287596	0.727908	Zfp651
ENSMUSG0ENSMUSGC	2413.232	0.05786	0.066851	0.865499	0.386765	0.792806	Nelfb
ENSMUSG0ENSMUSGC	790.554	-0.04134	0.128661	-0.32129	0.747991	0.94212	Tmem175
ENSMUSG0ENSMUSGC	342.4839	0.072772	0.100338	0.725271	0.468286	0.838976	Tango2
ENSMUSG0ENSMUSGC	18561.89	0.262029	0.118117	2.218382	0.026529	0.259919	Ndufs2
ENSMUSG0ENSMUSGC	78.00554	-0.08233	0.102612	-0.80231	0.422371	0.812942	Snx31
ENSMUSG0ENSMUSGC	2411.971	-0.06902	0.09816	-0.70316	0.481956	0.846451	Atraid
ENSMUSG0ENSMUSGC	6132.206	0.197574	0.11337	1.742726	0.081381	0.451006	Cad
ENSMUSG0ENSMUSGC	1195.82	-0.02124	0.064982	-0.32681	0.74381	0.940717	Sh3bp5l
ENSMUSG0ENSMUSGC	3739.491	0.082589	0.071875	1.149067	0.250528	0.697484	Atad1
ENSMUSG0ENSMUSGC	6703.579	0.179599	0.063367	2.834276	0.004593	0.099023	Pten
ENSMUSG0ENSMUSGC	4997.008	0.169217	0.09941	1.702222	0.088714	0.469317	Pea15a
ENSMUSG0ENSMUSGC	4038.176	0.186329	0.070987	2.624831	0.008669	0.141491	Timm23
ENSMUSG0ENSMUSGC	1320.432	0.0305	0.071951	0.423898	0.67164	0.926477	Trnt1
ENSMUSG0ENSMUSGC	4723.098	-0.00632	0.091105	-0.06937	0.944697	0.989441	Ehmt2
ENSMUSG0ENSMUSGC	2534.283	0.076056	0.090661	0.838906	0.401522	0.79975	Elof1
ENSMUSG0ENSMUSGC	1526.287	-0.0101	0.113676	-0.08885	0.929202	0.985827	Med16
ENSMUSG0ENSMUSGC	789.0076	0.431503	0.125522	3.43768	0.000587	0.02623	St3gal1
ENSMUSG0ENSMUSGC	3740.072	0.01559	0.088247	0.176665	0.859771	0.972503	Tmem259
ENSMUSG0ENSMUSGC	823.7928	-0.20859	0.091546	-2.27852	0.022695	0.240111	Rnf170
ENSMUSG0ENSMUSGC	4517.899	0.115039	0.099874	1.151835	0.249389	0.696085	Clip3
ENSMUSG0ENSMUSGC	1010.527	-0.03767	0.073524	-0.51228	0.608453	0.903796	Dedd
ENSMUSG0ENSMUSGC	1117.725	0.035827	0.095745	0.374193	0.708261	0.934791	Nit1
ENSMUSG0ENSMUSGC	604.8678	0.058596	0.138155	0.424131	0.671471	0.92646	Pax5
ENSMUSG0ENSMUSGC	524.3765	0.080198	0.135894	0.590154	0.555087	0.88186	Prdm15
ENSMUSG0ENSMUSGC	1342.495	0.000505	0.078237	0.006455	0.994849	0.998655	Rnf168
ENSMUSG0ENSMUSGC	211.1034	0.041768	0.136497	0.306002	0.759603	0.945578	Tctex1d2
ENSMUSG0ENSMUSGC	2930.382	0.058374	0.055316	1.055277	0.291299	0.730853	Chp1
ENSMUSG0ENSMUSGC	1296.545	0.037315	0.089284	0.41794	0.675991	0.927604	Tvp23b
ENSMUSG0ENSMUSGC	2971.495	0.112198	0.087549	1.281546	0.200002	0.647162	Dnaja7
ENSMUSG0ENSMUSGC	44.06849	0.142979	0.12412	1.151942	0.249345	0.696085	Zfp385c
ENSMUSG0ENSMUSGC	3014.775	0.152348	0.071757	2.123127	0.033743	0.295768	Cacybp
ENSMUSG0ENSMUSGC	486.9136	0.015024	0.120365	0.124821	0.900665	0.981243	Cluap1
ENSMUSG0ENSMUSGC	288.199	0.015161	0.139947	0.108337	0.913728	0.983954	Zswim7
ENSMUSG0ENSMUSGC	202.8248	-0.01085	0.123153	-0.08811	0.929787	0.985827	Pigl
ENSMUSG0ENSMUSGC	2543.05	0.119703	0.121969	0.981427	0.326382	0.754362	Ndufa2
ENSMUSG0ENSMUSGC	542.7947	0.165782	0.125843	1.317378	0.187712	0.635227	Pam16

ENSMUSG0ENSMUSG0	872.4065	0.129763	0.072508	1.789622	0.073515	0.431374	Glis2
ENSMUSG0ENSMUSG0	7152.685	0.071945	0.103502	0.695105	0.48699	0.849705	Cox6c
ENSMUSG0ENSMUSG0	123.9654	-0.16987	0.127991	-1.32717	0.184452	0.631891	Bicc1
ENSMUSG0ENSMUSG0	4956.386	0.050043	0.058812	0.850902	0.394824	0.796598	Ube2z
ENSMUSG0ENSMUSG0	1326.876	0.106624	0.110559	0.964402	0.334845	0.759008	Tmem87b
ENSMUSG0ENSMUSG0	3443.004	0.015509	0.091798	0.168944	0.865841	0.974299	Anapc1
ENSMUSG0ENSMUSG0	4942.14	0.050495	0.07492	0.673985	0.500321	0.855216	Tsg101
ENSMUSG0ENSMUSG0	844.6895	-0.01363	0.111953	-0.12178	0.903072	0.98194	Hps5
ENSMUSG0ENSMUSG0	1086.198	0.056829	0.066869	0.849851	0.395408	0.796836	Map3k4
ENSMUSG0ENSMUSG0	704.8917	-0.01186	0.101403	-0.11696	0.90689	0.982338	Rnf166
ENSMUSG0ENSMUSG0	1090.09	0.063162	0.109593	0.576334	0.56439	0.885785	Ankrd28
ENSMUSG0ENSMUSG0	2868.96	0.285864	0.135089	2.116117	0.034335	0.299843	Ankrd52
ENSMUSG0ENSMUSG0	354.1226	0.149891	0.098472	1.522171	0.127966	0.547368	Pkd2l2
ENSMUSG0ENSMUSG0	1517.893	0.111135	0.074377	1.494221	0.135118	0.560559	Srp19
ENSMUSG0ENSMUSG0	55.51163	0.080277	0.142193	0.564562	0.572371	0.889939	Wdfy2
ENSMUSG0ENSMUSG0	1379.56	-0.0504	0.088395	-0.57015	0.568573	0.888146	Rbsn
ENSMUSG0ENSMUSG0	792.6292	0.139374	0.101619	1.37153	0.17021	0.611448	Mrps25
ENSMUSG0ENSMUSG0	597.837	-0.00484	0.0897	-0.05396	0.956969	0.992986	Dguok
ENSMUSG0ENSMUSG0	2322.833	0.065809	0.084315	0.780512	0.43509	0.817936	Camta1
ENSMUSG0ENSMUSG0	2494.611	0.025708	0.118988	0.216059	0.828942	0.963218	Csf1
ENSMUSG0ENSMUSG0	2175.411	0.137756	0.106745	1.290518	0.196871	0.643523	Strip1
ENSMUSG0ENSMUSG0	964.2436	0.070221	0.127362	0.551353	0.581392	0.892861	Kif1a
ENSMUSG0ENSMUSG0	4441.016	-0.02692	0.083948	-0.32066	0.74847	0.94212	Slc25a11
ENSMUSG0ENSMUSG0	1080.681	0.073195	0.117693	0.621911	0.534	0.871974	Cmc2
ENSMUSG0ENSMUSG0	1460.227	-0.34351	0.07717	-4.45132	8.53E-06	0.001436	Chfr
ENSMUSG0ENSMUSG0	3792.88	0.003331	0.085968	0.038748	0.969091	0.995539	Tex261
ENSMUSG0ENSMUSG0	1728.316	0.064744	0.064737	1.000112	0.317256	0.750019	Fam120b
ENSMUSG0ENSMUSG0	1080.435	-0.01613	0.086031	-0.18752	0.851254	0.969606	Tbp
ENSMUSG0ENSMUSG0	6050.918	0.116155	0.10404	1.116445	0.264232	0.707246	Psmb1
ENSMUSG0ENSMUSG0	618.0354	0.03352	0.112026	0.299214	0.764777	0.947561	Pdcd2
ENSMUSG0ENSMUSG0	821.3658	0.387011	0.105621	3.66416	0.000248	0.015009	Dll1
ENSMUSG0ENSMUSG0	317.0848	0.316655	0.126833	2.49662	0.012538	0.173679	Nol3
ENSMUSG0ENSMUSG0	212.2481	-0.15692	0.12341	-1.27152	0.203545	0.651686	Fhod1
ENSMUSG0ENSMUSG0	97.9942	-0.09169	0.146007	-0.62801	0.529996	0.869704	Plekhg4
ENSMUSG0ENSMUSG0	954.6424	0.06396	0.107085	0.597287	0.550316	0.879282	Slc9a5
ENSMUSG0ENSMUSG0	1751.274	-0.06183	0.069241	-0.89292	0.371902	0.786113	Elmo3
ENSMUSG0ENSMUSG0	857.9249	-0.34842	0.13283	-2.62304	0.008715	0.141566	Stc1
ENSMUSG0ENSMUSG0	1832.312	-0.04699	0.114719	-0.40964	0.682073	0.929953	4931428F0.
ENSMUSG0ENSMUSG0	924.1572	0.243115	0.128372	1.893833	0.058247	0.389684	Tppp3
ENSMUSG0ENSMUSG0	959.056	-0.05454	0.068044	-0.80159	0.422789	0.812942	Msh3
ENSMUSG0ENSMUSG0	76.5014	0.068424	0.136714	0.500492	0.616729	0.906747	Adamts13
ENSMUSG0ENSMUSG0	2373.111	0.03538	0.11512	0.307329	0.758593	0.945377	Tmem208
ENSMUSG0ENSMUSG0	2297.136	-0.03078	0.097786	-0.31477	0.752936	0.943694	E2f4
ENSMUSG0ENSMUSG0	20664.68	0.22652	0.060294	3.756948	0.000172	0.01179	Surf4
ENSMUSG0ENSMUSG0	899.6751	0.094865	0.087711	1.081565	0.279446	0.721123	Surf2
ENSMUSG0ENSMUSG0	4047.012	-0.02176	0.125589	-0.17323	0.86247	0.973203	Dnajb9
ENSMUSG0ENSMUSG0	528.4161	-0.04159	0.140522	-0.29594	0.767277	0.948583	Naf1
ENSMUSG0ENSMUSG0	718.9362	0.019674	0.131226	0.149922	0.880826	0.976652	Yes1
ENSMUSG0ENSMUSG0	7932.489	0.060087	0.101953	0.589361	0.555619	0.88219	Ppp1cb
ENSMUSG0ENSMUSG0	7066.614	0.144918	0.082445	1.75775	0.07879	0.445187	Gorasp2
ENSMUSG0ENSMUSG0	1036.016	0.03552	0.089622	0.396335	0.691858	0.931889	Tsen15
ENSMUSG0ENSMUSG0	3075.568	-0.03451	0.096364	-0.35813	0.720244	0.936468	Efr3a

ENSMUSG0ENSMUSG0	1471.667	0.048534	0.099377	0.488382	0.625279	0.908194	Trappc2l
ENSMUSG0ENSMUSG0	950.5324	-0.1314	0.079904	-1.64448	0.100078	0.493095	Acsf3
ENSMUSG0ENSMUSG0	2939.387	0.10781	0.095114	1.133482	0.257012	0.702333	Ddx19a
ENSMUSG0ENSMUSG0	2342.655	-0.16069	0.124014	-1.29578	0.19505	0.640757	Galns
ENSMUSG0ENSMUSG0	56.85292	0.147988	0.144618	1.023298	0.306167	0.742208	Gata2
ENSMUSG0ENSMUSG0	104.7697	-0.06388	0.126285	-0.50587	0.612951	0.90509	C8g
ENSMUSG0ENSMUSG0	67.32535	-0.20833	0.135567	-1.5367	0.124367	0.53891	Entpd2
ENSMUSG0ENSMUSG0	4350.831	-0.1662	0.081561	-2.03774	0.041576	0.330996	Rabl6
ENSMUSG0ENSMUSG0	4556.343	0.076785	0.106498	0.721003	0.470908	0.840394	Edf1
ENSMUSG0ENSMUSG0	43.51095	0.12547	0.145967	0.859578	0.390022	0.794806	Clic3
ENSMUSG0ENSMUSG0	7133.72	0.003394	0.082617	0.041085	0.967228	0.995086	Npdc1
ENSMUSG0ENSMUSG0	2093.282	-0.15106	0.069388	-2.17708	0.029475	0.27556	Fbxw5
ENSMUSG0ENSMUSG0	4608.927	0.0457	0.051278	0.891218	0.372812	0.786649	Ube2i
ENSMUSG0ENSMUSG0	834.9505	0.081593	0.083984	0.971529	0.331285	0.757395	Tsr3
ENSMUSG0ENSMUSG0	275.3233	0.166478	0.129511	1.285436	0.19864	0.645568	Unkl
ENSMUSG0ENSMUSG0	2447.506	0.003007	0.103932	0.02893	0.97692	0.996317	Actn1
ENSMUSG0ENSMUSG0	2636.661	-0.06537	0.097199	-0.67251	0.501258	0.856162	Sirt2
ENSMUSG0ENSMUSG0	8644.568	0.009983	0.045325	0.220246	0.82568	0.962521	Hnrnpl
ENSMUSG0ENSMUSG0	3216.362	0.105812	0.083946	1.260471	0.207499	0.655474	Nolc1
ENSMUSG0ENSMUSG0	1432.857	-0.03107	0.105956	-0.29326	0.769321	0.949297	Casd1
ENSMUSG0ENSMUSG0	435.0463	-0.17109	0.077508	-2.20746	0.027282	0.263587	Cnksr3
ENSMUSG0ENSMUSG0	1243.071	0.026088	0.102262	0.255109	0.798639	0.956402	Mtmr1
ENSMUSG0ENSMUSG0	1277.29	-0.14195	0.078588	-1.80627	0.070876	0.425044	Hmgb3
ENSMUSG0ENSMUSG0	7692.38	0.182475	0.114359	1.595633	0.110571	0.514156	Map2
ENSMUSG0ENSMUSG0	209.6202	-0.14645	0.143446	-1.02094	0.307282	0.743099	Abca1
ENSMUSG0ENSMUSG0	926.9264	0.028531	0.071964	0.396457	0.691768	0.931889	Nipsnap3b
ENSMUSG0ENSMUSG0	837.1435	0.100097	0.13099	0.764154	0.444775	0.823581	Lage3
ENSMUSG0ENSMUSG0	2561.017	-0.13719	0.066539	-2.06176	0.039231	0.321553	Ubl4a
ENSMUSG0ENSMUSG0	15192.96	0.114039	0.095284	1.196835	0.231371	0.68123	Gdi1
ENSMUSG0ENSMUSG0	301.266	-0.09909	0.128869	-0.76889	0.441956	0.822001	Gadd45b
ENSMUSG0ENSMUSG0	878.8505	0.055866	0.100936	0.553484	0.579932	0.892779	Zdhhc12
ENSMUSG0ENSMUSG0	503.618	0.019811	0.128971	0.153607	0.87792	0.976224	Endog
ENSMUSG0ENSMUSG0	2180.544	0.283751	0.083759	3.387705	0.000705	0.029626	Golga7
ENSMUSG0ENSMUSG0	468.8915	-0.19101	0.106153	-1.79934	0.071964	0.428676	Xk
ENSMUSG0ENSMUSG0	4276.36	0.02166	0.112235	0.192987	0.846969	0.968351	Pcolce2
ENSMUSG0ENSMUSG0	1583.498	-0.04626	0.078754	-0.58741	0.556926	0.882863	Clpx
ENSMUSG0ENSMUSG0	3643.206	-0.20591	0.112468	-1.83084	0.067124	0.416339	Trabd
ENSMUSG0ENSMUSG0	476.43	-0.00139	0.10898	-0.0128	0.989789	0.998539	Dennd6b
ENSMUSG0ENSMUSG0	7412.052	0.10225	0.129014	0.792545	0.428043	0.815002	Tmem27
ENSMUSG0ENSMUSG0	44.855	-0.06833	0.144248	-0.4737	0.635711	0.912525	Ager
ENSMUSG0ENSMUSG0	3191.325	0.177854	0.065513	2.714802	0.006632	0.122436	Atf6b
ENSMUSG0ENSMUSG0	50.03735	-0.25897	0.144607	-1.79084	0.07332	0.431177	Notch4
ENSMUSG0ENSMUSG0	1150.602	-0.53468	0.103136	-5.18422	2.17E-07	9.35E-05	Ppt2
ENSMUSG0ENSMUSG0	1313.311	0.283928	0.073789	3.847815	0.000119	0.009262	Prrt1
ENSMUSG0ENSMUSG0	2527.527	0.193151	0.074096	2.606758	0.00914	0.145973	Rnf5
ENSMUSG0ENSMUSG0	2420.027	-0.01488	0.071812	-0.20716	0.835889	0.965089	Cacfd1
ENSMUSG0ENSMUSG0	1315.277	-0.1402	0.097634	-1.43592	0.151025	0.585145	Hivep2
ENSMUSG0ENSMUSG0	1517.392	-0.12859	0.088649	-1.45057	0.146898	0.578377	Arnt
ENSMUSG0ENSMUSG0	1371.892	0.175863	0.125579	1.400413	0.16139	0.600918	Mocs2
ENSMUSG0ENSMUSG0	449.0265	0.079108	0.131292	0.602533	0.546819	0.876524	Nat9
ENSMUSG0ENSMUSG0	2604.308	0.164011	0.142822	1.148354	0.250823	0.69752	Lpl
ENSMUSG0ENSMUSG0	6574.994	-0.03245	0.101543	-0.31955	0.749308	0.942352	Atp6v0e

ENSMUSG0ENSMUSG0	1122.963	-0.07812	0.114184	-0.68419	0.493855	0.852903	Zfp318
ENSMUSG0ENSMUSG0	1048.61	0.134885	0.113778	1.185512	0.235815	0.684574	Ttbk1
ENSMUSG0ENSMUSG0	1245.354	-0.03284	0.094446	-0.3477	0.728063	0.938587	Srf
ENSMUSG0ENSMUSG0	767.4957	-0.33528	0.119498	-2.80574	0.00502	0.103951	Lama5
ENSMUSG0ENSMUSG0	39.77405	-0.02547	0.145893	-0.1746	0.861392	0.972861	Steap1
ENSMUSG0ENSMUSG0	192.3382	0.003877	0.120854	0.032083	0.974406	0.996035	Steap2
ENSMUSG0ENSMUSG0	85538.26	0.129732	0.070283	1.845864	0.064912	0.410833	Hspa8
ENSMUSG0ENSMUSG0	232.4896	-0.00569	0.131833	-0.04318	0.965555	0.994842	Serac1
ENSMUSG0ENSMUSG0	2212.559	0.110861	0.098673	1.123518	0.261218	0.70474	Pdzd11
ENSMUSG0ENSMUSG0	4302.341	0.114809	0.087211	1.316446	0.188024	0.635585	Psm2
ENSMUSG0ENSMUSG0	829.3216	0.094829	0.100994	0.938948	0.347757	0.76936	Mrpl32
ENSMUSG0ENSMUSG0	1669.933	-0.0125	0.08291	-0.15082	0.88012	0.97663	Setdb1
ENSMUSG0ENSMUSG0	355.953	-0.45177	0.121045	-3.73222	0.00019	0.012498	Arnt2
ENSMUSG0ENSMUSG0	951.6658	-0.00184	0.113098	-0.01625	0.987031	0.998233	Prune1
ENSMUSG0ENSMUSG0	3347.184	-0.09746	0.062121	-1.56895	0.116661	0.526038	Cers2
ENSMUSG0ENSMUSG0	3985.142	0.028103	0.054192	0.518588	0.604048	0.901151	Capza2
ENSMUSG0ENSMUSG0	187.4796	-0.26378	0.112278	-2.34935	0.018806	0.216061	Plekho1
ENSMUSG0ENSMUSG0	976.6795	-0.03032	0.127151	-0.23848	0.811509	0.95864	Vps45
ENSMUSG0ENSMUSG0	1570.69	0.13177	0.103258	1.276127	0.201911	0.649877	Prpf3
ENSMUSG0ENSMUSG0	5556.596	-0.08864	0.081396	-1.08899	0.276158	0.717892	Anp32e
ENSMUSG0ENSMUSG0	2639.686	-0.16019	0.065672	-2.43929	0.014716	0.190243	Aph1a
ENSMUSG0ENSMUSG0	3530.743	0.107097	0.069515	1.540633	0.123406	0.536619	Tab2
ENSMUSG0ENSMUSG0	1507.056	0.097184	0.059175	1.642323	0.100523	0.493641	Ppil4
ENSMUSG0ENSMUSG0	3907.252	0.111116	0.076592	1.450756	0.146848	0.578349	Cnih1
ENSMUSG0ENSMUSG0	1112.107	0.1296	0.094853	1.366332	0.171835	0.613744	Eps8
ENSMUSG0ENSMUSG0	2289.927	0.029346	0.059906	0.489862	0.624232	0.908041	Med22
ENSMUSG0ENSMUSG0	1259.414	0.068734	0.106058	0.64808	0.516933	0.8633	Surf1
ENSMUSG0ENSMUSG0	2916.919	0.021746	0.098968	0.219729	0.826083	0.962521	Med28
ENSMUSG0ENSMUSG0	9167.036	0.051772	0.122774	0.421682	0.673257	0.927156	Qdpr
ENSMUSG0ENSMUSG0	601.9792	-0.12161	0.136952	-0.88801	0.374536	0.787458	Tnr
ENSMUSG0ENSMUSG0	17328.66	0.049533	0.124084	0.399191	0.689753	0.931588	Sqstm1
ENSMUSG0ENSMUSG0	1632.156	-0.02089	0.072043	-0.28998	0.771831	0.949394	Nfe2l2
ENSMUSG0ENSMUSG0	948.3588	-0.22508	0.114063	-1.97328	0.048464	0.355376	Rxra
ENSMUSG0ENSMUSG0	1999.184	0.152708	0.070207	2.175125	0.029621	0.27564	Prpsap1
ENSMUSG0ENSMUSG0	66.81216	-0.06418	0.13111	-0.48948	0.624503	0.908091	Fam184b
ENSMUSG0ENSMUSG0	2346.41	-0.00132	0.110177	-0.01196	0.990456	0.998539	Ncapg
ENSMUSG0ENSMUSG0	1546.871	-0.14165	0.138654	-1.02159	0.306973	0.743084	Lcorl
ENSMUSG0ENSMUSG0	1744.492	-0.0196	0.07673	-0.2555	0.798338	0.956402	Lta4h
ENSMUSG0ENSMUSG0	15127.58	-0.17562	0.073608	-2.38586	0.017039	0.203604	Dstn
ENSMUSG0ENSMUSG0	6232.671	-0.01084	0.063355	-0.17109	0.864154	0.973828	H2afy
ENSMUSG0ENSMUSG0	668.7007	0.037081	0.106841	0.347066	0.728542	0.938587	Gtf2ird2
ENSMUSG0ENSMUSG0	546.3207	-0.01253	0.100523	-0.12467	0.900788	0.981243	Bola1
ENSMUSG0ENSMUSG0	7912.773	-0.04719	0.123093	-0.38334	0.701469	0.934077	Gatsl2
ENSMUSG0ENSMUSG0	1610.411	0.129949	0.061078	2.127593	0.033371	0.293466	Adss
ENSMUSG0ENSMUSG0	573.9661	-0.16445	0.116574	-1.41073	0.158323	0.59683	Cacna1d
ENSMUSG0ENSMUSG0	1265.01	-0.2095	0.085272	-2.45684	0.014017	0.185007	Actr8
ENSMUSG0ENSMUSG0	109.701	0.272534	0.134372	2.02821	0.042539	0.333069	Lrrc27
ENSMUSG0ENSMUSG0	1076.94	0.255755	0.097073	2.634672	0.008422	0.139647	Fnta
ENSMUSG0ENSMUSG0	2724.689	0.144682	0.063503	2.27836	0.022705	0.240111	Skiv2l2
ENSMUSG0ENSMUSG0	244.9305	-0.25946	0.129102	-2.00974	0.044458	0.339973	Celsr1
ENSMUSG0ENSMUSG0	1098.773	-0.09053	0.132159	-0.68499	0.493349	0.852803	Stard13
ENSMUSG0ENSMUSG0	90.61797	0.100266	0.145549	0.688881	0.490898	0.852126	Tenm1

ENSMUSG0ENSMUSG0	93.37185	-0.12097	0.137951	-0.87688	0.380553	0.79028	Camk1g
ENSMUSG0ENSMUSG0	343.0464	0.255839	0.109815	2.329718	0.019821	0.222458	Diexf
ENSMUSG0ENSMUSG0	1446.646	0.201638	0.109619	1.839454	0.065848	0.413509	Syt14
ENSMUSG0ENSMUSG0	220.6526	-0.0812	0.119158	-0.68143	0.495602	0.853814	Lonrf3
ENSMUSG0ENSMUSG0	5929.846	0.159061	0.112049	1.419571	0.155733	0.594364	Atp5e
ENSMUSG0ENSMUSG0	2262.656	0.060503	0.098453	0.614539	0.538859	0.873794	Nelfcd
ENSMUSG0ENSMUSG0	4860.899	-0.12311	0.104034	-1.18335	0.236671	0.685759	Ctsz
ENSMUSG0ENSMUSG0	2922.076	0.136505	0.056182	2.4297	0.015111	0.192741	Prelid3b
ENSMUSG0ENSMUSG0	239.9991	-0.04146	0.115007	-0.36046	0.718505	0.935997	Sertad4
ENSMUSG0ENSMUSG0	1896.624	0.034607	0.081557	0.424328	0.671327	0.926357	Ube2a
ENSMUSG0ENSMUSG0	17108.21	0.121886	0.084646	1.43994	0.149884	0.582981	Slc25a5
ENSMUSG0ENSMUSG0	971.8282	-0.05172	0.127508	-0.40566	0.684992	0.931173	Ppdpf
ENSMUSG0ENSMUSG0	1680.742	0.073746	0.145797	0.505816	0.612986	0.90509	Kcnq2
ENSMUSG0ENSMUSG0	47.79449	0.01346	0.128785	0.104513	0.916762	0.984548	Eef1a2
ENSMUSG0ENSMUSG0	1182.991	-0.12508	0.140949	-0.88744	0.374843	0.787458	Col20a1
ENSMUSG0ENSMUSG0	1862.073	0.288944	0.089285	3.236186	0.001211	0.041472	Pls3
ENSMUSG0ENSMUSG0	611.1163	0.119732	0.099627	1.201806	0.229439	0.679572	Nkap
ENSMUSG0ENSMUSG0	3051.571	0.060838	0.101162	0.601394	0.547578	0.877048	Ndufa1
ENSMUSG0ENSMUSG0	561.7822	-0.31227	0.114202	-2.73438	0.00625	0.117934	E2f3
ENSMUSG0ENSMUSG0	636.0064	-0.1027	0.112544	-0.91258	0.361465	0.779559	Cr1l
ENSMUSG0ENSMUSG0	1398.128	-0.08657	0.099896	-0.86661	0.386158	0.792576	Ppfibp1
ENSMUSG0ENSMUSG0	79.92966	-0.38748	0.142992	-2.70983	0.006732	0.123494	Cd34
ENSMUSG0ENSMUSG0	828.7441	0.12017	0.095197	1.262335	0.206828	0.654323	Plgrkt
ENSMUSG0ENSMUSG0	148.8211	-0.09151	0.105868	-0.86438	0.387379	0.793286	Cd274
ENSMUSG0ENSMUSG0	2184.397	-0.02733	0.09564	-0.28574	0.775076	0.950088	Gtf3a
ENSMUSG0ENSMUSG0	576.3542	-0.04581	0.067678	-0.6769	0.498471	0.85402	Mtif3
ENSMUSG0ENSMUSG0	766.2364	0.079578	0.119068	0.668342	0.503915	0.856503	Ln timer
ENSMUSG0ENSMUSG0	621.3107	-0.05256	0.082903	-0.63395	0.526113	0.868304	Dyrk3
ENSMUSG0ENSMUSG0	1595.97	-0.20902	0.088993	-2.34869	0.018839	0.216061	Mapkapk2
ENSMUSG0ENSMUSG0	9639.281	-0.00832	0.112153	-0.07415	0.940888	0.988134	Lamp2
ENSMUSG0ENSMUSG0	5851.289	0.189505	0.121644	1.557872	0.119264	0.530338	Atxn10
ENSMUSG0ENSMUSG0	1194.856	0.219459	0.083519	2.62765	0.008598	0.140729	Foxred2
ENSMUSG0ENSMUSG0	5637.709	0.123388	0.069657	1.771354	0.076502	0.439093	Eif3d
ENSMUSG0ENSMUSG0	13773.63	-0.13217	0.133377	-0.99097	0.3217	0.751751	H3f3b
ENSMUSG0ENSMUSG0	4157.189	0.126897	0.076315	1.662809	0.096351	0.486525	Nup50
ENSMUSG0ENSMUSG0	2704.884	-0.38546	0.13675	-2.8187	0.004822	0.10193	Phf21b
ENSMUSG0ENSMUSG0	1646.31	0.061561	0.127735	0.481947	0.629844	0.911216	Ift27
ENSMUSG0ENSMUSG0	2008.413	0.230373	0.062267	3.699789	0.000216	0.013353	Pacsin2
ENSMUSG0ENSMUSG0	299.0687	0.162721	0.127008	1.281188	0.200128	0.647412	Cmah
ENSMUSG0ENSMUSG0	1168.7	0.112862	0.072774	1.550851	0.120937	0.533522	Ttll12
ENSMUSG0ENSMUSG0	3036.86	0.096648	0.051257	1.885556	0.059355	0.392679	Tox4
ENSMUSG0ENSMUSG0	1190.208	0.211167	0.105672	1.998331	0.045681	0.344343	Mrps18c
ENSMUSG0ENSMUSG0	8813.301	0.054091	0.059234	0.913179	0.361148	0.779001	Srsf6
ENSMUSG0ENSMUSG0	4684.358	-0.01792	0.09616	-0.18641	0.852125	0.9698	Plcg1
ENSMUSG0ENSMUSG0	1059.785	0.11373	0.112368	1.012125	0.311478	0.745302	Kctd2
ENSMUSG0ENSMUSG0	59.43798	-0.34556	0.145655	-2.37245	0.017671	0.207742	Tmprss6
ENSMUSG0ENSMUSG0	1213.247	0.427283	0.105809	4.038255	5.39E-05	0.00511	Kctd5
ENSMUSG0ENSMUSG0	779.0519	0.069174	0.109284	0.632974	0.52675	0.868304	Etaa1
ENSMUSG0ENSMUSG0	472.6091	0.202653	0.13615	1.488446	0.136633	0.563112	Sdc4
ENSMUSG0ENSMUSG0	760.0059	-0.02826	0.117696	-0.24012	0.810236	0.958353	Il13ra1
ENSMUSG0ENSMUSG0	4960.592	-0.00221	0.085997	-0.02571	0.979487	0.996602	Nbr1
ENSMUSG0ENSMUSG0	2151.234	-0.08858	0.055505	-1.59593	0.110504	0.514156	Cyth1

ENSMUSG0ENSMUSG0	293.7143	-0.26513	0.138756	-1.91076	0.056036	0.382862	Rnd3
ENSMUSG0ENSMUSG0	1842.264	0.149614	0.097228	1.538795	0.123854	0.537869	Brca1
ENSMUSG0ENSMUSG0	2595.875	-0.06807	0.098668	-0.68991	0.490249	0.851511	Cntnap1
ENSMUSG0ENSMUSG0	1438.123	0.083295	0.066879	1.245452	0.212966	0.662162	Nt5c3b
ENSMUSG0ENSMUSG0	3322.987	0.039162	0.101529	0.385717	0.699706	0.933914	Coa3
ENSMUSG0ENSMUSG0	3977.732	0.579569	0.121851	4.756384	1.97E-06	0.00047	Gsdma
ENSMUSG0ENSMUSG0	2254.039	0.130422	0.084987	1.534602	0.124882	0.54005	Med24
ENSMUSG0ENSMUSG0	4345.029	0.043229	0.101296	0.426765	0.669551	0.925331	Psmd3
ENSMUSG0ENSMUSG0	1855.836	-0.01218	0.077554	-0.157	0.875243	0.97593	Exosc10
ENSMUSG0ENSMUSG0	1169.643	0.027531	0.103616	0.265705	0.790466	0.954487	Glod4
ENSMUSG0ENSMUSG0	2107.78	0.224509	0.098865	2.270859	0.023155	0.24257	Vps53
ENSMUSG0ENSMUSG0	2042.695	0.035468	0.085572	0.41448	0.678523	0.928688	Taok1
ENSMUSG0ENSMUSG0	1052.128	0.087515	0.070366	1.243717	0.213604	0.663392	Dnttip1
ENSMUSG0ENSMUSG0	628.5652	0.051667	0.11344	0.455462	0.648777	0.918471	Acot8
ENSMUSG0ENSMUSG0	3418.625	0.045454	0.095844	0.474251	0.635321	0.912468	Mpp2
ENSMUSG0ENSMUSG0	1240.926	0.008978	0.116463	0.077087	0.938554	0.9878	Nlk
ENSMUSG0ENSMUSG0	750.5439	-0.05774	0.096321	-0.59944	0.548879	0.878216	Traf4
ENSMUSG0ENSMUSG0	1901.809	0.236368	0.122161	1.934883	0.053005	0.37428	Aldoc
ENSMUSG0ENSMUSG0	1134.698	0.41272	0.11822	3.491101	0.000481	0.023382	Stac2
ENSMUSG0ENSMUSG0	20327.85	0.083719	0.10009	0.836441	0.402907	0.799981	Rpl19
ENSMUSG0ENSMUSG0	278.4916	-0.02549	0.133822	-0.19048	0.848934	0.968952	Nek8
ENSMUSG0ENSMUSG0	129.3856	-0.36364	0.143853	-2.52788	0.011475	0.166009	Cacnb4
ENSMUSG0ENSMUSG0	659.1125	-0.10662	0.135982	-0.78405	0.43301	0.817148	Arl5b
ENSMUSG0ENSMUSG0	5011.093	0.056413	0.075509	0.747094	0.455007	0.829558	Zfp207
ENSMUSG0ENSMUSG0	2308.604	0.160576	0.071942	2.232017	0.025614	0.256431	Psmd11
ENSMUSG0ENSMUSG0	252.5951	-0.45524	0.13064	-3.48468	0.000493	0.023606	C1qtnf1
ENSMUSG0ENSMUSG0	1292.825	0.025453	0.098699	0.257889	0.796492	0.955634	Timp2
ENSMUSG0ENSMUSG0	2348.831	-0.02422	0.060859	-0.39802	0.690616	0.931679	Zc3h18
ENSMUSG0ENSMUSG0	2081.426	-0.14239	0.101383	-1.40445	0.160185	0.598934	Top2b
ENSMUSG0ENSMUSG0	123.2651	0.018485	0.125082	0.147787	0.882511	0.97694	Igfbp4
ENSMUSG0ENSMUSG0	1608.029	0.227828	0.082672	2.755801	0.005855	0.114003	Cdc6
ENSMUSG0ENSMUSG0	4369.858	-0.02382	0.123221	-0.19333	0.846703	0.968351	Suz12
ENSMUSG0ENSMUSG0	1060.104	0.043249	0.084269	0.513227	0.607792	0.903741	Atad5
ENSMUSG0ENSMUSG0	402.7541	-0.01927	0.094592	-0.20368	0.838603	0.965671	Crlf3
ENSMUSG0ENSMUSG0	2504.087	0.133325	0.050475	2.641398	0.008256	0.138598	Tnfaip1
ENSMUSG0ENSMUSG0	4354.44	-0.02296	0.083376	-0.27539	0.783015	0.952632	Abr
ENSMUSG0ENSMUSG0	241.4144	-0.34816	0.132056	-2.63646	0.008378	0.139285	Rab11fip4
ENSMUSG0ENSMUSG0	116.2998	-0.24266	0.140401	-1.72837	0.083922	0.457313	Cd40
ENSMUSG0ENSMUSG0	2269.562	0.012853	0.095341	0.134807	0.892764	0.979424	Slc35c2
ENSMUSG0ENSMUSG0	644.3552	0.049519	0.094688	0.522964	0.600999	0.89918	Zfp334
ENSMUSG0ENSMUSG0	2322.476	0.016453	0.061821	0.26614	0.790131	0.954487	Elmo2
ENSMUSG0ENSMUSG0	660.2069	-0.06852	0.115764	-0.59186	0.553942	0.881179	Wsb1
ENSMUSG0ENSMUSG0	2024.968	0.030216	0.082989	0.364101	0.715783	0.935733	Ttpal
ENSMUSG0ENSMUSG0	2159.377	-0.02284	0.065246	-0.35	0.726336	0.938409	Rhot1
ENSMUSG0ENSMUSG0	47.92258	-0.25792	0.14545	-1.77327	0.076185	0.438192	Hnf4g
ENSMUSG0ENSMUSG0	216.5765	-0.4464	0.120037	-3.71889	0.0002	0.012736	Rhbdl3
ENSMUSG0ENSMUSG0	143.1582	0.038863	0.14601	0.266169	0.790109	0.954487	Ada
ENSMUSG0ENSMUSG0	9533.661	0.036932	0.130985	0.281958	0.777976	0.950567	Serinc3
ENSMUSG0ENSMUSG0	210.6722	-0.05587	0.140636	-0.3973	0.691149	0.931679	Tha1
ENSMUSG0ENSMUSG0	1392.601	0.025294	0.058316	0.433738	0.664479	0.924679	Pgs1
ENSMUSG0ENSMUSG0	3405.246	0.151647	0.096125	1.577599	0.114658	0.522191	Birc5
ENSMUSG0ENSMUSG0	342.1777	0.080669	0.131124	0.615209	0.538417	0.873794	Afmid

ENSMUSG0ENSMUSGC	4713.145	0.197284	0.061027	3.232714	0.001226	0.041707	Pigt
ENSMUSG0ENSMUSGC	181.647	-0.30838	0.135424	-2.27714	0.022778	0.240414	Etv4
ENSMUSG0ENSMUSGC	338.8614	0.043137	0.119085	0.362235	0.717177	0.93599	Dsndd2
ENSMUSG0ENSMUSGC	857.4856	-0.06795	0.127683	-0.5322	0.594585	0.896527	Slc12a5
ENSMUSG0ENSMUSGC	875.8673	0.126724	0.072561	1.746465	0.08073	0.44926	Ghdc
ENSMUSG0ENSMUSGC	43.18655	0.234146	0.142007	1.64883	0.099182	0.491242	Pltp
ENSMUSG0ENSMUSGC	7628.476	-0.05462	0.089202	-0.61232	0.540324	0.873794	Ctsa
ENSMUSG0ENSMUSGC	734.7603	0.119168	0.066675	1.787292	0.07389	0.432314	Zswim1
ENSMUSG0ENSMUSGC	983.3893	-0.1622	0.106634	-1.52108	0.12824	0.547437	Slc12a4
ENSMUSG0ENSMUSGC	3364.611	-0.03759	0.064298	-0.58468	0.558761	0.883274	Myo1c
ENSMUSG0ENSMUSGC	3091.63	-0.0124	0.087089	-0.14241	0.886759	0.978237	Crk
ENSMUSG0ENSMUSGC	4599.712	0.080475	0.107172	0.750903	0.452711	0.827496	Cox7c
ENSMUSG0ENSMUSGC	4869.494	0.132427	0.079717	1.661219	0.096669	0.486525	Pitpna
ENSMUSG0ENSMUSGC	2804.175	0.146897	0.078864	1.862666	0.062509	0.403168	Mlx
ENSMUSG0ENSMUSGC	3495.213	-0.23166	0.112827	-2.05328	0.040046	0.325011	Retreg3
ENSMUSG0ENSMUSGC	109.1069	0.105014	0.127112	0.826147	0.408721	0.802728	Dhx58
ENSMUSG0ENSMUSGC	2405.704	0.216786	0.105884	2.047383	0.04062	0.327813	Rab5a
ENSMUSG0ENSMUSGC	1450.908	0.123708	0.067925	1.821242	0.06857	0.421027	Nkiras2
ENSMUSG0ENSMUSGC	3015.007	0.126085	0.072321	1.743419	0.08126	0.450985	Ppp2r5c
ENSMUSG0ENSMUSGC	1482.959	-0.1082	0.103766	-1.04274	0.297071	0.735611	Ift52
ENSMUSG0ENSMUSGC	1357.536	0.170267	0.092672	1.837304	0.066165	0.413684	Mybl2
ENSMUSG0ENSMUSGC	956.5138	0.320642	0.134499	2.38398	0.017127	0.203675	Sgk2
ENSMUSG0ENSMUSGC	1282.439	0.122581	0.10115	1.211874	0.225561	0.675195	B4galt5
ENSMUSG0ENSMUSGC	4160.239	0.114997	0.092965	1.236989	0.216091	0.667088	Gdap1l1
ENSMUSG0ENSMUSGC	442.2969	0.045792	0.145697	0.314299	0.753294	0.943881	Hnf4a
ENSMUSG0ENSMUSGC	1892.17	0.023463	0.064819	0.361979	0.717368	0.935997	Ddx27
ENSMUSG0ENSMUSGC	1008.089	0.031975	0.07605	0.420446	0.67416	0.927604	Cyth3
ENSMUSG0ENSMUSGC	130.956	-0.0029	0.126132	-0.02299	0.981657	0.997345	Rac3
ENSMUSG0ENSMUSGC	2891.832	0.046675	0.068753	0.678877	0.497216	0.853814	Rrp7a
ENSMUSG0ENSMUSGC	19890.8	0.245963	0.106356	2.312633	0.020743	0.228393	Cyb5r3
ENSMUSG0ENSMUSGC	1006.763	-0.01871	0.112354	-0.16651	0.867752	0.974473	Ints2
ENSMUSG0ENSMUSGC	448.6905	-0.04101	0.127511	-0.32164	0.747723	0.942084	Med13l
ENSMUSG0ENSMUSGC	1018.553	0.020417	0.145368	0.140448	0.888306	0.978618	Hist1h2bc
ENSMUSG0ENSMUSGC	570.9038	-0.2272	0.104715	-2.16973	0.030027	0.277962	Mafk
ENSMUSG0ENSMUSGC	1424.675	0.048724	0.067401	0.722898	0.469743	0.839782	Med1
ENSMUSG0ENSMUSGC	751.6037	-0.05896	0.08594	-0.68611	0.492643	0.852803	Stard3
ENSMUSG0ENSMUSGC	218.0036	-0.02197	0.102081	-0.21523	0.829587	0.963218	Ikzf3
ENSMUSG0ENSMUSGC	232.8912	-0.33198	0.10998	-3.01853	0.00254	0.067635	Mfng
ENSMUSG0ENSMUSGC	2426.18	0.057833	0.092094	0.627976	0.53002	0.869704	Vmp1
ENSMUSG0ENSMUSGC	2103.814	0.189791	0.085761	2.213026	0.026896	0.262366	Uchl5
ENSMUSG0ENSMUSGC	947.3091	0.008883	0.091047	0.097563	0.922279	0.985705	Glrx2
ENSMUSG0ENSMUSGC	2194.688	0.212979	0.101597	2.096311	0.036055	0.30677	Trove2
ENSMUSG0ENSMUSGC	1361.268	-0.11568	0.071085	-1.62734	0.103665	0.500588	Stk4
ENSMUSG0ENSMUSGC	342.5422	-0.2983	0.115138	-2.59084	0.009574	0.149523	Pmp22
ENSMUSG0ENSMUSGC	315.1861	0.062638	0.093357	0.670954	0.50225	0.856225	Zcchc10
ENSMUSG0ENSMUSGC	5009.578	0.142423	0.114563	1.24318	0.213801	0.663698	Psmb6
ENSMUSG0ENSMUSGC	1882.314	0.034075	0.101822	0.334656	0.737885	0.939958	Spag7
ENSMUSG0ENSMUSGC	7932.019	0.110156	0.095967	1.147856	0.251028	0.697607	Pfn1
ENSMUSG0ENSMUSGC	1484.547	0.079569	0.097914	0.812645	0.416422	0.808586	Tomm34
ENSMUSG0ENSMUSGC	9588.904	0.095906	0.063543	1.509318	0.131218	0.552323	Ywhab
ENSMUSG0ENSMUSGC	125.3282	-0.06971	0.141079	-0.49412	0.621219	0.907988	Ksr1
ENSMUSG0ENSMUSGC	5179.867	0.273582	0.088258	3.099789	0.001937	0.05567	Anxa6

ENSMUSG0ENSMUSG0	533.0687	-0.08513	0.07087	-1.20119	0.229677	0.679825	Zkscan6
ENSMUSG0ENSMUSG0	10939.47	0.050895	0.053307	0.954755	0.339702	0.763007	Kpna2
ENSMUSG0ENSMUSG0	1127.747	0.06981	0.083298	0.838081	0.401985	0.79975	Smurf2
ENSMUSG0ENSMUSG0	511.521	-0.08243	0.093613	-0.88056	0.378557	0.789109	Cep95
ENSMUSG0ENSMUSG0	916.6215	-0.1251	0.094464	-1.32435	0.185387	0.631891	Vezf1
ENSMUSG0ENSMUSG0	131.6861	-0.24298	0.146007	-1.66414	0.096085	0.48614	Cuedc1
ENSMUSG0ENSMUSG0	5027.054	0.074194	0.067428	1.100339	0.271185	0.713936	Srsf1
ENSMUSG0ENSMUSG0	868.85	0.148713	0.075411	1.972033	0.048606	0.355952	Kif3a
ENSMUSG0ENSMUSG0	1702.953	0.018947	0.123881	0.152945	0.878441	0.976224	Sep-08
ENSMUSG0ENSMUSG0	2803.061	0.157191	0.089838	1.749716	0.080167	0.447549	Mtmt4
ENSMUSG0ENSMUSG0	568.8667	-0.21062	0.10535	-1.99924	0.045582	0.34404	Mrm1
ENSMUSG0ENSMUSG0	1510.055	-0.00311	0.144702	-0.02148	0.982859	0.99741	Mapt
ENSMUSG0ENSMUSG0	2283.884	-0.04272	0.119721	-0.35685	0.721203	0.937077	Kansl1
ENSMUSG0ENSMUSG0	1533.501	-0.01181	0.133287	-0.08861	0.929392	0.985827	Gid4
ENSMUSG0ENSMUSG0	1178.01	-0.31187	0.117325	-2.6582	0.007856	0.134441	Myo1b
ENSMUSG0ENSMUSG0	1595.563	-0.08018	0.116786	-0.68655	0.492367	0.852803	Dhx40
ENSMUSG0ENSMUSG0	988.626	-0.02875	0.079728	-0.36054	0.71844	0.935997	Ypel2
ENSMUSG0ENSMUSG0	1001.723	0.004166	0.117937	0.035326	0.97182	0.995539	Akap1
ENSMUSG0ENSMUSG0	1306.758	0.159074	0.084213	1.888951	0.058898	0.391852	Nol11
ENSMUSG0ENSMUSG0	3258.427	0.182245	0.086492	2.107076	0.035111	0.303099	Derl2
ENSMUSG0ENSMUSG0	1704.841	0.144888	0.100459	1.44226	0.149229	0.58254	C1qbp
ENSMUSG0ENSMUSG0	404.3143	0.071716	0.094973	0.755116	0.45018	0.826019	Rpain
ENSMUSG0ENSMUSG0	862.04	-0.33155	0.128896	-2.57223	0.010105	0.154189	Kcnab3
ENSMUSG0ENSMUSG0	4667.217	-0.26025	0.11486	-2.26581	0.023463	0.244449	Chd3
ENSMUSG0ENSMUSG0	1636.391	-0.09559	0.139851	-0.68354	0.494267	0.852929	Kdm6b
ENSMUSG0ENSMUSG0	3020.981	0.048921	0.077952	0.62758	0.530279	0.869723	Appbp2
ENSMUSG0ENSMUSG0	40.86666	-0.13161	0.145097	-0.90703	0.364392	0.781659	Adora2b
ENSMUSG0ENSMUSG0	6121.434	-0.01614	0.109872	-0.14694	0.883176	0.976958	Ncor1
ENSMUSG0ENSMUSG0	434.6059	0.257231	0.098027	2.624078	0.008688	0.141566	Trpv2
ENSMUSG0ENSMUSG0	1247.209	-0.1065	0.092211	-1.15497	0.248103	0.695618	Cenpv
ENSMUSG0ENSMUSG0	932.4645	0.048426	0.104905	0.461614	0.644358	0.915153	Pcgf2
ENSMUSG0ENSMUSG0	739.8127	-0.00957	0.073127	-0.13089	0.895861	0.98027	Cwc25
ENSMUSG0ENSMUSG0	993.7627	-0.04655	0.086732	-0.5367	0.591476	0.895697	Pip4k2b
ENSMUSG0ENSMUSG0	5302.041	0.160303	0.07439	2.154906	0.031169	0.283467	Trim37
ENSMUSG0ENSMUSG0	397.4892	-0.03464	0.129308	-0.2679	0.78878	0.954347	Ybx2
ENSMUSG0ENSMUSG0	3287.506	0.046816	0.086292	0.542527	0.587456	0.894311	Ctdnep1
ENSMUSG0ENSMUSG0	2450.514	0.173508	0.106833	1.624103	0.104354	0.501644	Elp5
ENSMUSG0ENSMUSG0	72.26139	-0.14609	0.140278	-1.04144	0.297672	0.736076	Slc2a4
ENSMUSG0ENSMUSG0	13965.05	0.214236	0.106589	2.009918	0.04444	0.339973	Gabarap
ENSMUSG0ENSMUSG0	908.8221	-0.01259	0.130054	-0.09682	0.922867	0.985705	Cldn7
ENSMUSG0ENSMUSG0	67.34728	-0.22967	0.136571	-1.68168	0.09263	0.477746	2810408A1
ENSMUSG0ENSMUSG0	1218.512	0.061104	0.107213	0.569931	0.568724	0.888146	Phf23
ENSMUSG0ENSMUSG0	2484.524	0.163975	0.077055	2.128015	0.033336	0.293351	Acadvl
ENSMUSG0ENSMUSG0	8144.507	0.148076	0.051446	2.878247	0.003999	0.091268	G3bp1
ENSMUSG0ENSMUSG0	1849.655	0.014119	0.135988	0.103828	0.917306	0.984548	Atox1
ENSMUSG0ENSMUSG0	386.8681	0.032169	0.116934	0.275102	0.783238	0.952711	Mief2
ENSMUSG0ENSMUSG0	2388.69	0.128211	0.136284	0.940764	0.346826	0.768352	Crhr1
ENSMUSG0ENSMUSG0	1571.446	0.148722	0.09434	1.576439	0.114925	0.522571	Dusp14
ENSMUSG0ENSMUSG0	700.0835	0.017433	0.085493	0.203916	0.838419	0.965671	Tada2a
ENSMUSG0ENSMUSG0	837.8121	0.11501	0.11865	0.969318	0.332386	0.758193	Pnp0
ENSMUSG0ENSMUSG0	3523.716	-0.0986	0.068961	-1.42985	0.15276	0.589042	Cog1
ENSMUSG0ENSMUSG0	2526.574	0.000286	0.051955	0.005513	0.995601	0.998655	Cbx1

ENSMUSG0ENSMUSGC	2409.805	-0.06808	0.076391	-0.89121	0.372815	0.786649	Cdk5rap3
ENSMUSG0ENSMUSGC	720.7885	0.143647	0.099972	1.436872	0.150754	0.584435	Copz2
ENSMUSG0ENSMUSGC	9356.804	0.008318	0.093249	0.089199	0.928924	0.985705	Slc25a39
ENSMUSG0ENSMUSGC	653.256	-0.11595	0.097904	-1.18436	0.236269	0.685376	Sp2
ENSMUSG0ENSMUSGC	809.7446	0.087781	0.099708	0.880376	0.378656	0.789109	Aatf
ENSMUSG0ENSMUSGC	797.4055	-0.11843	0.11596	-1.0213	0.307113	0.743099	Lhx1
ENSMUSG0ENSMUSGC	10847.66	-0.03584	0.082146	-0.43634	0.662588	0.924603	Dync1h1
ENSMUSG0ENSMUSGC	425.1788	-0.09475	0.121126	-0.78227	0.434053	0.817527	Pex12
ENSMUSG0ENSMUSGC	2806.689	0.09574	0.08663	1.105156	0.269092	0.711911	Ndel1
ENSMUSG0ENSMUSGC	411.3978	0.149714	0.112154	1.334893	0.181911	0.62816	Slc25a35
ENSMUSG0ENSMUSGC	1539.087	-0.19242	0.087175	-2.20732	0.027291	0.263587	Zbtb4
ENSMUSG0ENSMUSGC	157.943	-0.05917	0.12683	-0.46652	0.640846	0.914411	Tnfrsfm13
ENSMUSG0ENSMUSGC	1547.604	-0.05442	0.106843	-0.5093	0.610543	0.90438	Mpdu1
ENSMUSG0ENSMUSGC	5399.811	0.056196	0.060475	0.929232	0.352769	0.773559	Fxr2
ENSMUSG0ENSMUSGC	11833.2	0.24954	0.093103	2.680269	0.007356	0.13024	Atp5g3
ENSMUSG0ENSMUSGC	302.8803	0.138267	0.124788	1.108019	0.267854	0.711385	Cd68
ENSMUSG0ENSMUSGC	477.6286	-0.19501	0.123117	-1.58394	0.113208	0.518591	Acsl1
ENSMUSG0ENSMUSGC	1880.695	-0.11543	0.105288	-1.09633	0.272934	0.71564	Abca5
ENSMUSG0ENSMUSGC	805.5582	0.141988	0.100302	1.4156	0.156893	0.595452	Smyd4
ENSMUSG0ENSMUSGC	1919.976	-0.1661	0.071919	-2.30953	0.020914	0.229472	Zfyve27
ENSMUSG0ENSMUSGC	188.1581	-0.07749	0.12442	-0.62284	0.533387	0.871779	Avpi1
ENSMUSG0ENSMUSGC	667.0104	-0.0404	0.094649	-0.42687	0.669477	0.925331	Rad51d
ENSMUSG0ENSMUSGC	4137.656	0.066618	0.112869	0.590226	0.555039	0.88186	Pank3
ENSMUSG0ENSMUSGC	2778.704	0.126906	0.067306	1.885514	0.05936	0.392679	Rars
ENSMUSG0ENSMUSGC	1418.089	0.041831	0.103139	0.405584	0.685048	0.931173	Mrpl58
ENSMUSG0ENSMUSGC	608.2321	0.069673	0.07891	0.882941	0.377268	0.788723	Fdxr
ENSMUSG0ENSMUSGC	223.3348	0.166466	0.138473	1.202153	0.229304	0.679474	Otop3
ENSMUSG0ENSMUSGC	1309.329	-0.12996	0.118709	-1.09482	0.273594	0.716522	Sult4a1
ENSMUSG0ENSMUSGC	1048.11	0.155799	0.108992	1.429455	0.152873	0.589042	Mrpl45
ENSMUSG0ENSMUSGC	966.5146	-0.1782	0.086434	-2.06165	0.039241	0.321553	Irf1
ENSMUSG0ENSMUSGC	514.9222	-0.0357	0.127894	-0.27912	0.780153	0.951422	Slc22a5
ENSMUSG0ENSMUSGC	2301.935	-0.09411	0.127188	-0.7399	0.459362	0.832245	P4ha2
ENSMUSG0ENSMUSGC	612.8634	-0.1866	0.134259	-1.38989	0.164562	0.603971	Arrb1
ENSMUSG0ENSMUSGC	129.045	-0.08131	0.121375	-0.6699	0.50292	0.856225	Cxcl16
ENSMUSG0ENSMUSGC	2099.724	0.135726	0.065948	2.058081	0.039582	0.32262	Pelp1
ENSMUSG0ENSMUSGC	794.6226	-0.02489	0.102747	-0.24221	0.808617	0.958353	Med11
ENSMUSG0ENSMUSGC	914.6823	-0.2301	0.105428	-2.18249	0.029074	0.273828	Natd1
ENSMUSG0ENSMUSGC	1289.05	-0.05786	0.091789	-0.63038	0.528445	0.869274	Map2k3
ENSMUSG0ENSMUSGC	14129.19	0.14979	0.113832	1.315892	0.18821	0.635637	Ywhah
ENSMUSG0ENSMUSGC	2355.842	0.06521	0.075112	0.868169	0.385302	0.792576	Sart3
ENSMUSG0ENSMUSGC	1904.638	-0.13315	0.08438	-1.57802	0.11456	0.522075	E2f2
ENSMUSG0ENSMUSGC	443.3631	-0.01057	0.130343	-0.08107	0.935382	0.986761	Nars2
ENSMUSG0ENSMUSGC	1738.248	0.067876	0.087718	0.773799	0.43905	0.820234	Slc35b4
ENSMUSG0ENSMUSGC	1553.148	-0.07081	0.077097	-0.9185	0.358355	0.776233	Dalrd3
ENSMUSG0ENSMUSGC	3212.464	0.122535	0.124494	0.984262	0.324987	0.754224	Fis1
ENSMUSG0ENSMUSGC	1106.055	-0.17331	0.125864	-1.37695	0.168528	0.609005	Plod1
ENSMUSG0ENSMUSGC	4434.411	-0.17305	0.085364	-2.02717	0.042645	0.333358	Rab3d
ENSMUSG0ENSMUSGC	336.5696	-0.1153	0.101581	-1.13504	0.25636	0.702061	Mfsd3
ENSMUSG0ENSMUSGC	2377.646	0.240453	0.078494	3.063338	0.002189	0.060576	Slc25a22
ENSMUSG0ENSMUSGC	13320.35	0.046311	0.083885	0.552083	0.580891	0.892821	Atp6ap1
ENSMUSG0ENSMUSGC	282.2885	0.015297	0.104514	0.146359	0.883638	0.977133	Dnase1l1
ENSMUSG0ENSMUSGC	3087.418	0.177026	0.073922	2.394781	0.01663	0.202349	Scrn1

ENSMUSG0ENSMUSG0	7556.09	0.073461	0.071677	1.024878	0.305421	0.741488	BC005537
ENSMUSG0ENSMUSG0	3544.345	0.070526	0.099379	0.70967	0.477909	0.843734	Isyna1
ENSMUSG0ENSMUSG0	1056.703	0.057643	0.083493	0.690396	0.489945	0.851509	Hars2
ENSMUSG0ENSMUSG0	74.1676	-0.02942	0.138233	-0.21286	0.831433	0.963529	Cacng2
ENSMUSG0ENSMUSG0	570.5547	0.081476	0.104255	0.781503	0.434507	0.817805	Tmem160
ENSMUSG0ENSMUSG0	4820.836	0.044397	0.102593	0.432753	0.665194	0.925058	Rab5c
ENSMUSG0ENSMUSG0	13186.33	0.164903	0.083569	1.973256	0.048466	0.355376	Mdh2
ENSMUSG0ENSMUSG0	6914.868	0.050789	0.08911	0.569964	0.568702	0.888146	H13
ENSMUSG0ENSMUSG0	3595.034	0.014938	0.097434	0.153318	0.878148	0.976224	Rnf145
ENSMUSG0ENSMUSG0	898.2506	-0.25393	0.115769	-2.19341	0.028278	0.269609	Scn1b
ENSMUSG0ENSMUSG0	6225.425	-0.01705	0.09148	-0.18633	0.852188	0.9698	Atp6v1e1
ENSMUSG0ENSMUSG0	965.8016	0.298229	0.079061	3.772122	0.000162	0.011424	Chtf18
ENSMUSG0ENSMUSG0	104.315	-0.32228	0.117678	-2.73865	0.006169	0.11704	Rps6kl1
ENSMUSG0ENSMUSG0	2829.049	0.052011	0.075765	0.686481	0.49241	0.852803	Ppp1r12c
ENSMUSG0ENSMUSG0	129.2	-0.06758	0.127979	-0.52807	0.597452	0.89784	Ahr
ENSMUSG0ENSMUSG0	1890.585	-0.01192	0.094147	-0.12658	0.899273	0.981243	Map1s
ENSMUSG0ENSMUSG0	58.59939	-0.01539	0.145732	-0.10563	0.91588	0.984548	Dpep1
ENSMUSG0ENSMUSG0	1789.817	-0.04001	0.088477	-0.4522	0.651123	0.919167	Tmem129
ENSMUSG0ENSMUSG0	1206.047	0.014447	0.086436	0.167144	0.867257	0.974473	Nop9
ENSMUSG0ENSMUSG0	36.67443	-0.10193	0.129135	-0.78936	0.429902	0.815671	Hsd17b1
ENSMUSG0ENSMUSG0	8761.581	0.174561	0.072783	2.398381	0.016468	0.201949	Atp6v0a1
ENSMUSG0ENSMUSG0	863.3797	0.239704	0.11431	2.096972	0.035996	0.306471	Psmc3ip
ENSMUSG0ENSMUSG0	1324.787	-0.02427	0.079191	-0.30641	0.759292	0.945578	Grb7
ENSMUSG0ENSMUSG0	166.8228	-0.16002	0.141914	-1.12757	0.259502	0.704211	Noxo1
ENSMUSG0ENSMUSG0	1387.911	0.031768	0.096084	0.330631	0.740923	0.940454	Zfp687
ENSMUSG0ENSMUSG0	4671.574	0.116219	0.101802	1.141611	0.253616	0.699563	D8Ert738e
ENSMUSG0ENSMUSG0	11124.24	0.319219	0.111817	2.854844	0.004306	0.095766	Calm3
ENSMUSG0ENSMUSG0	4767.142	0.083239	0.063462	1.311639	0.189642	0.637324	Cops3
ENSMUSG0ENSMUSG0	8921.042	0.058691	0.081623	0.719051	0.47211	0.841375	Fkbp8
ENSMUSG0ENSMUSG0	1081.578	-0.03671	0.084779	-0.43303	0.664994	0.925058	Ffar3
ENSMUSG0ENSMUSG0	8987.314	-0.04528	0.057426	-0.78845	0.430436	0.816119	Ddx39b
ENSMUSG0ENSMUSG0	1786.89	0.152828	0.076241	2.004528	0.045013	0.342308	Gipc1
ENSMUSG0ENSMUSG0	1099.499	0.108304	0.110435	0.980705	0.326738	0.754362	Tlcd1
ENSMUSG0ENSMUSG0	646.3281	-0.08937	0.137817	-0.64848	0.516675	0.863191	Plscr3
ENSMUSG0ENSMUSG0	38.45659	-0.09519	0.145591	-0.6538	0.513244	0.861984	Ptger1
ENSMUSG0ENSMUSG0	531.849	-0.10056	0.080967	-1.24195	0.214255	0.664488	Arhgef25
ENSMUSG0ENSMUSG0	1525.395	0.019662	0.071016	0.27686	0.781887	0.951693	Xab2
ENSMUSG0ENSMUSG0	5599.121	0.112388	0.068031	1.652014	0.098532	0.490347	Cdc37
ENSMUSG0ENSMUSG0	557.8616	0.06433	0.105852	0.607738	0.543361	0.875214	Rab4a
ENSMUSG0ENSMUSG0	183.979	0.128934	0.140434	0.918114	0.358559	0.77636	Trip10
ENSMUSG0ENSMUSG0	4548.185	0.165519	0.109127	1.516753	0.129329	0.548633	Cops6
ENSMUSG0ENSMUSG0	62829.87	0.018043	0.087094	0.207163	0.835883	0.965089	Ubb
ENSMUSG0ENSMUSG0	1104.195	0.009024	0.100312	0.089962	0.928318	0.985705	Ap4m1
ENSMUSG0ENSMUSG0	1330.747	0.063334	0.079562	0.796031	0.426014	0.81459	Gyg
ENSMUSG0ENSMUSG0	319.5641	0.292766	0.128207	2.28354	0.022399	0.238758	Rcn3
ENSMUSG0ENSMUSG0	976.5709	-0.1562	0.10829	-1.44238	0.149195	0.58254	Slc6a8
ENSMUSG0ENSMUSG0	237.6966	-0.53477	0.121791	-4.3909	1.13E-05	0.001605	Arid3a
ENSMUSG0ENSMUSG0	3005.223	-0.0417	0.075919	-0.5493	0.582799	0.892926	Ubxn6
ENSMUSG0ENSMUSG0	4550.274	-0.05193	0.096922	-0.53576	0.592124	0.895697	Mydgf
ENSMUSG0ENSMUSG0	3201.224	-0.15595	0.065159	-2.39339	0.016693	0.202597	Cyb561
ENSMUSG0ENSMUSG0	289.7818	-0.30275	0.136247	-2.22208	0.026278	0.258836	Sema6a
ENSMUSG0ENSMUSG0	1297.739	0.008974	0.109791	0.081741	0.934853	0.986608	Ccdc12

ENSMUSG0ENSMUSGC	941.3457	0.354711	0.109022	3.253583	0.00114	0.039773	Fmc1
ENSMUSG0ENSMUSGC	2340.585	-0.20983	0.104989	-1.9986	0.045652	0.344343	Akt3
ENSMUSG0ENSMUSGC	1932.675	-0.04127	0.087452	-0.47189	0.637007	0.912683	Mrpl24
ENSMUSG0ENSMUSGC	2031.239	0.060577	0.081918	0.739486	0.459612	0.832367	Gle1
ENSMUSG0ENSMUSGC	690.4533	-0.08004	0.139986	-0.57181	0.567454	0.888146	Lyst
ENSMUSG0ENSMUSGC	6533.638	0.002555	0.118834	0.021497	0.982849	0.99741	Slc35e1
ENSMUSG0ENSMUSGC	39.29195	-0.01845	0.145357	-0.12696	0.898976	0.981094	Calr3
ENSMUSG0ENSMUSGC	2071.887	-0.08108	0.077218	-1.05	0.293718	0.733714	Tmc4
ENSMUSG0ENSMUSGC	1970.673	0.02676	0.077235	0.34647	0.72899	0.938791	Syne4
ENSMUSG0ENSMUSGC	768.3483	0.126965	0.10687	1.188039	0.234818	0.68322	Polr2i
ENSMUSG0ENSMUSGC	229.686	0.015103	0.0959	0.157487	0.874861	0.97593	Prl8a1
ENSMUSG0ENSMUSGC	136.6041	-0.01092	0.133647	-0.08172	0.934868	0.986608	Krt10
ENSMUSG0ENSMUSGC	811.8202	0.030996	0.085043	0.364481	0.715499	0.935647	Rmnd1
ENSMUSG0ENSMUSGC	175.7612	-0.36022	0.113876	-3.16329	0.00156	0.04838	Esr1
ENSMUSG0ENSMUSGC	1524.413	0.016421	0.084842	0.193551	0.846528	0.968351	Fbxo5
ENSMUSG0ENSMUSGC	398.6763	-0.02981	0.086864	-0.34315	0.731489	0.938791	Mtrf1l
ENSMUSG0ENSMUSGC	577.6739	-0.00956	0.135154	-0.07073	0.943612	0.989095	Rgs17
ENSMUSG0ENSMUSGC	4630.002	0.10169	0.062533	1.62618	0.103911	0.500895	Hdac2
ENSMUSG0ENSMUSGC	488.7903	-0.22787	0.103051	-2.21127	0.027017	0.262366	Frk
ENSMUSG0ENSMUSGC	2871.108	0.172283	0.121065	1.423061	0.154718	0.591966	Rwdd1
ENSMUSG0ENSMUSGC	105.0327	-0.00552	0.139399	-0.0396	0.96841	0.995519	Hey2
ENSMUSG0ENSMUSGC	2009.838	0.080933	0.07959	1.016876	0.309212	0.743522	Stxbp5
ENSMUSG0ENSMUSGC	297.7417	0.155892	0.137817	1.13115	0.257992	0.702822	Hint3
ENSMUSG0ENSMUSGC	435.527	0.082989	0.085604	0.969453	0.332319	0.758168	Trmt11
ENSMUSG0ENSMUSGC	1135.618	0.053079	0.096513	0.549962	0.582346	0.892926	Katna1
ENSMUSG0ENSMUSGC	4423.558	0.161224	0.071545	2.253456	0.02423	0.248953	Pcmt1
ENSMUSG0ENSMUSGC	11781.6	0.015776	0.047428	0.332626	0.739417	0.940232	Lrp11
ENSMUSG0ENSMUSGC	490.7245	0.132867	0.111729	1.18919	0.234365	0.68322	1700021F0
ENSMUSG0ENSMUSGC	4587.843	0.127484	0.087092	1.463785	0.143253	0.572261	Sec63
ENSMUSG0ENSMUSGC	6777.522	0.184865	0.09179	2.014006	0.044009	0.337833	Snx3
ENSMUSG0ENSMUSGC	3059.3	0.203459	0.085773	2.372063	0.017689	0.207777	Aig1
ENSMUSG0ENSMUSGC	85.17074	0.00546	0.136123	0.040114	0.968002	0.995483	Adat2
ENSMUSG0ENSMUSGC	864.7507	0.041256	0.094317	0.437422	0.661805	0.924184	Pex3
ENSMUSG0ENSMUSGC	2380.122	-0.25584	0.111387	-2.29686	0.021627	0.234018	Fuca2
ENSMUSG0ENSMUSGC	359.2039	-0.21449	0.091329	-2.34856	0.018846	0.216061	Cep57l1
ENSMUSG0ENSMUSGC	995.2625	0.074656	0.074867	0.997192	0.318671	0.75032	Ltv1
ENSMUSG0ENSMUSGC	835.6062	-0.07571	0.139734	-0.54184	0.587928	0.894311	Plagl1
ENSMUSG0ENSMUSGC	22535.66	-0.03587	0.09384	-0.3823	0.702242	0.934077	Cd164
ENSMUSG0ENSMUSGC	6901.75	0.197885	0.14277	1.386042	0.165734	0.605102	Utrn
ENSMUSG0ENSMUSGC	990.5132	0.147215	0.111361	1.321962	0.186181	0.632483	Smpd2
ENSMUSG0ENSMUSGC	95.43383	0.250434	0.142931	1.752135	0.079751	0.446784	Mical1
ENSMUSG0ENSMUSGC	762.4568	-0.02552	0.102238	-0.2496	0.802896	0.957091	Zbtb24
ENSMUSG0ENSMUSGC	934.547	0.187499	0.077755	2.411396	0.015892	0.197603	Wasf1
ENSMUSG0ENSMUSGC	47.12173	0.071514	0.142897	0.500456	0.616754	0.906747	Rab32
ENSMUSG0ENSMUSGC	623.8421	0.117174	0.115047	1.018488	0.308446	0.743099	Gtf3c6
ENSMUSG0ENSMUSGC	3042.755	-0.11424	0.081841	-1.39593	0.162736	0.601576	Slc16a10
ENSMUSG0ENSMUSGC	2861.024	-0.16035	0.08561	-1.87306	0.061061	0.397917	Rev3l
ENSMUSG0ENSMUSGC	562.6438	-0.13108	0.117817	-1.1126	0.265879	0.709023	Traf3ip2
ENSMUSG0ENSMUSGC	1344.068	0.185388	0.121658	1.523845	0.127548	0.546565	Fyn
ENSMUSG0ENSMUSGC	606.1585	-0.22586	0.115356	-1.95797	0.050234	0.362566	Tube1
ENSMUSG0ENSMUSGC	68.78214	-0.48194	0.13885	-3.47094	0.000519	0.024269	Popdc3
ENSMUSG0ENSMUSGC	2156.373	0.070941	0.069636	1.018736	0.308328	0.743099	Prep

ENSMUSG0ENSMUSGC	201.408	-0.12451	0.138163	-0.90119	0.367487	0.783695	Tnfaip3
ENSMUSG0ENSMUSGC	1051.81	-0.03152	0.091271	-0.34539	0.7298	0.938791	Perp
ENSMUSG0ENSMUSGC	4415.18	0.052715	0.133644	0.394445	0.693252	0.932409	Arfgef3
ENSMUSG0ENSMUSGC	80.59339	-0.04087	0.141064	-0.28969	0.772053	0.949404	Hebp2
ENSMUSG0ENSMUSGC	1850.155	-0.14906	0.081929	-1.81933	0.068861	0.42107	Reps1
ENSMUSG0ENSMUSGC	876.7459	0.115564	0.119548	0.966673	0.333708	0.759004	Fam184a
ENSMUSG0ENSMUSGC	781.1563	0.091231	0.09617	0.948636	0.342806	0.765528	Asf1a
ENSMUSG0ENSMUSGC	1816.046	-0.10992	0.068147	-1.613	0.106745	0.5071	Gopc
ENSMUSG0ENSMUSGC	501.9357	0.127555	0.103036	1.237963	0.21573	0.666896	Qrs1l
ENSMUSG0ENSMUSGC	731.331	-0.12834	0.100056	-1.28273	0.199587	0.646803	Rtn4ip1
ENSMUSG0ENSMUSGC	1390.005	-0.07996	0.090711	-0.88146	0.378071	0.788987	Crybg1
ENSMUSG0ENSMUSGC	1612.479	0.084682	0.081045	1.044883	0.296077	0.735488	Vta1
ENSMUSG0ENSMUSGC	1342.575	0.122277	0.133333	0.917082	0.359099	0.776599	Smpdl3a
ENSMUSG0ENSMUSGC	1594.446	-0.19349	0.094681	-2.04362	0.040991	0.329087	Reep3
ENSMUSG0ENSMUSGC	57.59278	0.170379	0.140789	1.210175	0.226212	0.675764	Fabp7
ENSMUSG0ENSMUSGC	561.6645	0.210635	0.128518	1.638956	0.101222	0.496164	Pkib
ENSMUSG0ENSMUSGC	10464.16	0.038102	0.100589	0.378793	0.704841	0.93471	Serinc1
ENSMUSG0ENSMUSGC	1041.409	0.047905	0.088386	0.542001	0.587817	0.894311	Hsf2
ENSMUSG0ENSMUSGC	1360.542	0.099467	0.08482	1.172679	0.240925	0.689306	Echdc1
ENSMUSG0ENSMUSGC	804.1769	0.006968	0.135661	0.05136	0.959038	0.993224	Ptprk
ENSMUSG0ENSMUSGC	869.8258	0.124192	0.11901	1.04354	0.296698	0.735498	Dcbld1
ENSMUSG0ENSMUSGC	592.6271	0.000338	0.144967	0.002333	0.998138	0.998981	Slc6a15
ENSMUSG0ENSMUSGC	1328.892	0.032367	0.08832	0.366472	0.714013	0.935647	Ccdc59
ENSMUSG0ENSMUSGC	2148.267	-0.02334	0.092216	-0.2531	0.800187	0.956574	Rfx6
ENSMUSG0ENSMUSGC	755.9295	0.024278	0.126679	0.191653	0.848014	0.968759	Ppp1r12a
ENSMUSG0ENSMUSGC	337.9361	0.142845	0.13679	1.044262	0.296364	0.735498	Sim1
ENSMUSG0ENSMUSGC	4482.424	-0.02407	0.126156	-0.19083	0.848656	0.968843	P4ha1
ENSMUSG0ENSMUSGC	427.035	-0.15435	0.09488	-1.62677	0.103786	0.500675	Sep-10
ENSMUSG0ENSMUSGC	2115.707	-0.05326	0.084774	-0.62826	0.529833	0.869632	Lims1
ENSMUSG0ENSMUSGC	10270.75	0.291377	0.07657	3.805351	0.000142	0.0104	Zwint
ENSMUSG0ENSMUSGC	842.5213	-0.0678	0.082603	-0.82078	0.411773	0.805081	Ube2d1
ENSMUSG0ENSMUSGC	7415.117	0.079544	0.072647	1.094946	0.27354	0.716522	Cdk1
ENSMUSG0ENSMUSGC	4329.603	0.011734	0.093594	0.12537	0.900231	0.981243	Atp2b1
ENSMUSG0ENSMUSGC	157.8989	0.068996	0.140682	0.490443	0.623821	0.907988	Rhobtb1
ENSMUSG0ENSMUSGC	118.8628	0.259788	0.128961	2.014463	0.043961	0.337833	Cabcoco1
ENSMUSG0ENSMUSGC	60.38947	-0.13573	0.140577	-0.9655	0.334293	0.759008	Arid5b
ENSMUSG0ENSMUSGC	324.9464	0.148638	0.097799	1.519823	0.128556	0.54761	Actr6
ENSMUSG0ENSMUSGC	1578.386	0.007663	0.085912	0.0892	0.928923	0.985705	Uhrf1bp1l
ENSMUSG0ENSMUSGC	378.9708	-0.29048	0.117334	-2.47564	0.0133	0.180136	Poc1b
ENSMUSG0ENSMUSGC	250.1539	-0.43064	0.13293	-3.23958	0.001197	0.041133	Dusp6
ENSMUSG0ENSMUSGC	9490.557	-0.026	0.091542	-0.28397	0.77643	0.950382	Tmpo
ENSMUSG0ENSMUSGC	122.1041	-0.33122	0.143987	-2.30037	0.021428	0.232863	Kitl
ENSMUSG0ENSMUSGC	2264.848	0.03931	0.063824	0.615915	0.537951	0.873794	Psen1
ENSMUSG0ENSMUSGC	262.1892	-0.07589	0.143415	-0.52919	0.596675	0.89784	Sgk1
ENSMUSG0ENSMUSGC	854.6589	-0.00338	0.108943	-0.03103	0.975245	0.996035	Cep290
ENSMUSG0ENSMUSGC	1066.373	0.246801	0.075624	3.263541	0.0011	0.038969	Ikbip
ENSMUSG0ENSMUSGC	3777.058	0.141104	0.110413	1.277957	0.201265	0.648578	Hbs1l
ENSMUSG0ENSMUSGC	1016.579	-0.04316	0.070807	-0.60961	0.542119	0.875015	Epb41l2
ENSMUSG0ENSMUSGC	830.2309	0.017946	0.118672	0.151221	0.879801	0.97663	Apaf1
ENSMUSG0ENSMUSGC	97.39037	-0.03599	0.142739	-0.25212	0.800946	0.956594	Myb
ENSMUSG0ENSMUSGC	1535.343	-0.02133	0.107467	-0.19848	0.842672	0.967116	Med23
ENSMUSG0ENSMUSGC	1296.369	0.182938	0.136798	1.337285	0.18113	0.626594	Ahi1

ENSMUSG0ENSMUSG0	663.6509	-0.11684	0.092708	-1.26027	0.207573	0.655474	Nedd1
ENSMUSG0ENSMUSG0	94.55631	0.164371	0.145659	1.128461	0.259125	0.703866	Enpp3
ENSMUSG0ENSMUSG0	473.3864	0.095112	0.079537	1.195817	0.231768	0.681648	Mtfr2
ENSMUSG0ENSMUSG0	1569.07	-0.13098	0.09178	-1.42714	0.153539	0.590097	Map7
ENSMUSG0ENSMUSG0	3786.881	0.067567	0.065217	1.03604	0.300184	0.738416	Stx7
ENSMUSG0ENSMUSG0	531.3494	-0.19612	0.122493	-1.6011	0.109355	0.512855	Moxd1
ENSMUSG0ENSMUSG0	1067.769	-0.1239	0.084952	-1.45848	0.144708	0.574489	Pex7
ENSMUSG0ENSMUSG0	819.1616	-0.0398	0.129248	-0.30795	0.758117	0.945377	Ifngr1
ENSMUSG0ENSMUSG0	258.5516	-0.18481	0.114089	-1.61984	0.105268	0.503079	Cdk17
ENSMUSG0ENSMUSG0	1312.091	0.132902	0.11305	1.175602	0.239754	0.688236	Snrpf
ENSMUSG0ENSMUSG0	2285.987	-0.02504	0.137427	-0.18221	0.855415	0.970971	Fgd6
ENSMUSG0ENSMUSG0	3335.763	0.227634	0.107132	2.124809	0.033603	0.294728	Ndufa12
ENSMUSG0ENSMUSG0	298.8233	-0.02947	0.123016	-0.23954	0.810684	0.95838	Tmcc3
ENSMUSG0ENSMUSG0	1160.788	0.020384	0.066136	0.308217	0.757917	0.945377	Cep83
ENSMUSG0ENSMUSG0	836.9772	-0.11924	0.131785	-0.90482	0.365561	0.782458	Socs2
ENSMUSG0ENSMUSG0	3296.296	0.083177	0.05772	1.441032	0.149576	0.582981	Nudt4
ENSMUSG0ENSMUSG0	1954.023	0.117024	0.135199	0.865571	0.386725	0.792806	Nuak1
ENSMUSG0ENSMUSG0	181.5715	-0.49137	0.137568	-3.57184	0.000354	0.018953	Tcp11l2
ENSMUSG0ENSMUSG0	785.5873	-0.08904	0.112566	-0.79096	0.42897	0.815457	Cry1
ENSMUSG0ENSMUSG0	500.7111	-0.21949	0.136555	-1.60734	0.107979	0.510418	Btbd11
ENSMUSG0ENSMUSG0	41052.5	0.000839	0.088586	0.009467	0.992446	0.998539	Hsp90b1
ENSMUSG0ENSMUSG0	891.5451	0.066764	0.099427	0.671486	0.501911	0.856225	Washc3
ENSMUSG0ENSMUSG0	65.5962	0.110942	0.142746	0.777203	0.437039	0.819028	Dram1
ENSMUSG0ENSMUSG0	126.5927	-0.06892	0.117444	-0.58686	0.557298	0.882863	Mybpc1
ENSMUSG0ENSMUSG0	775.9976	-0.07524	0.121202	-0.62077	0.534754	0.87213	Sirt1
ENSMUSG0ENSMUSG0	1175.037	-0.07267	0.077554	-0.93703	0.348744	0.77065	Herc4
ENSMUSG0ENSMUSG0	2148.982	0.208921	0.118351	1.765266	0.077519	0.441498	Hnrnph3
ENSMUSG0ENSMUSG0	1206.179	-0.15218	0.100079	-1.5206	0.128361	0.547437	Rufy2
ENSMUSG0ENSMUSG0	293.2819	0.150552	0.13772	1.093172	0.274318	0.716737	Pbld2
ENSMUSG0ENSMUSG0	2707.477	-0.0119	0.074317	-0.16015	0.872765	0.975847	Ccar1
ENSMUSG0ENSMUSG0	2321.575	0.211093	0.088009	2.398539	0.016461	0.201949	Ddx21
ENSMUSG0ENSMUSG0	4484.885	0.094776	0.059805	1.584745	0.113024	0.518563	Ddx50
ENSMUSG0ENSMUSG0	1944.515	0.070859	0.085909	0.824818	0.409475	0.803007	Vps26a
ENSMUSG0ENSMUSG0	953.4198	0.015651	0.076541	0.204474	0.837983	0.965548	Supv3l1
ENSMUSG0ENSMUSG0	262.7518	-0.01829	0.110318	-0.16578	0.868328	0.974598	Fam241b
ENSMUSG0ENSMUSG0	330.8956	-0.02593	0.099006	-0.2619	0.793401	0.955329	Aifm2
ENSMUSG0ENSMUSG0	1596.633	0.062875	0.107691	0.583852	0.55932	0.883648	H2afy2
ENSMUSG0ENSMUSG0	1136.309	0.153303	0.083974	1.825597	0.067911	0.418711	Tysnd1
ENSMUSG0ENSMUSG0	7786.799	0.088992	0.055589	1.600905	0.109398	0.512855	Sar1a
ENSMUSG0ENSMUSG0	3326.392	0.190728	0.078361	2.433966	0.014934	0.191436	Ppa1
ENSMUSG0ENSMUSG0	743.7603	-0.22481	0.122978	-1.82808	0.067538	0.417181	Eif4ebp2
ENSMUSG0ENSMUSG0	339.8365	-0.07181	0.10129	-0.70894	0.478364	0.844242	Pald1
ENSMUSG0ENSMUSG0	2653.575	-0.18352	0.107013	-1.71488	0.086367	0.463082	Sgpl1
ENSMUSG0ENSMUSG0	4860.629	0.204935	0.133034	1.540469	0.123446	0.536619	Pcbd1
ENSMUSG0ENSMUSG0	414.1875	-0.14434	0.13975	-1.03285	0.301675	0.739759	Unc5b
ENSMUSG0ENSMUSG0	345.8587	0.015051	0.109252	0.137765	0.890426	0.978648	Slc29a3
ENSMUSG0ENSMUSG0	39.97206	0.093954	0.128364	0.731934	0.464209	0.835711	Slc16a7
ENSMUSG0ENSMUSG0	1775.633	-0.10687	0.087668	-1.21897	0.222855	0.673047	Anapc16
ENSMUSG0ENSMUSG0	1379.283	-0.01469	0.127562	-0.1152	0.908289	0.98248	Ddit4
ENSMUSG0ENSMUSG0	1616.246	-0.03403	0.075499	-0.45071	0.652201	0.919812	Dnajb12
ENSMUSG0ENSMUSG0	2285.583	0.083513	0.075154	1.111219	0.266474	0.709554	Micu1
ENSMUSG0ENSMUSG0	5196.801	-0.02271	0.120169	-0.18899	0.8501	0.969399	Cand1

ENSMUSG0ENSMUSGC	1288.716	-0.01	0.090302	-0.11079	0.91178	0.983954	Tbk1
ENSMUSG0ENSMUSGC	1316.167	-0.06323	0.069192	-0.91385	0.360794	0.778866	Pno1
ENSMUSG0ENSMUSGC	218.9892	0.02343	0.094113	0.248957	0.803394	0.957127	Plek
ENSMUSG0ENSMUSGC	176.2021	-0.08755	0.109628	-0.79859	0.424528	0.813996	Srgap1
ENSMUSG0ENSMUSGC	1646.594	-0.11465	0.080035	-1.43254	0.151988	0.587634	Egfr
ENSMUSG0ENSMUSGC	1972.856	0.136711	0.070794	1.931123	0.053468	0.37491	Usp15
ENSMUSG0ENSMUSGC	1012.036	-0.25074	0.096217	-2.60596	0.009162	0.146139	Vps54
ENSMUSG0ENSMUSGC	2362.845	-0.02574	0.118777	-0.21674	0.82841	0.963218	Tbc1d15
ENSMUSG0ENSMUSGC	199.6215	-0.05643	0.114569	-0.49254	0.622339	0.907988	Pcsk4
ENSMUSG0ENSMUSGC	1650.583	0.056359	0.067474	0.835274	0.403563	0.800157	Rab21
ENSMUSG0ENSMUSGC	1115.389	0.050717	0.115391	0.439523	0.660282	0.923125	2310011J0:
ENSMUSG0ENSMUSGC	612.1244	-0.19101	0.105048	-1.81833	0.069014	0.421143	Peli1
ENSMUSG0ENSMUSGC	813.8511	0.101182	0.113764	0.889401	0.373788	0.787458	Apc2
ENSMUSG0ENSMUSGC	486.8768	0.00959	0.104178	0.09205	0.926658	0.985705	Thap2
ENSMUSG0ENSMUSGC	1383.901	0.201771	0.145622	1.385579	0.165875	0.605102	Slc1a4
ENSMUSG0ENSMUSGC	121.6423	-0.17339	0.145901	-1.18843	0.234664	0.68322	Dock2
ENSMUSG0ENSMUSGC	10529.18	0.22043	0.068928	3.197992	0.001384	0.04427	Rab1a
ENSMUSG0ENSMUSGC	91.85623	0.133971	0.144798	0.925226	0.354848	0.774327	Gamt
ENSMUSG0ENSMUSGC	455.2763	-0.02851	0.088951	-0.32055	0.748549	0.94212	Ptprr
ENSMUSG0ENSMUSGC	3886.671	0.087978	0.07024	1.252529	0.210377	0.659576	Actr2
ENSMUSG0ENSMUSGC	2113.439	0.123366	0.10705	1.152413	0.249151	0.696015	Ndufs7
ENSMUSG0ENSMUSGC	44.53643	-0.11021	0.14554	-0.75727	0.448889	0.825078	Kcnmb1
ENSMUSG0ENSMUSGC	2281.895	-0.06401	0.067657	-0.94607	0.344113	0.766294	Mum1
ENSMUSG0ENSMUSGC	111.4726	-0.12583	0.144229	-0.87244	0.382971	0.790739	Meis1
ENSMUSG0ENSMUSGC	3641.269	0.096879	0.111652	0.867686	0.385566	0.792576	Uqcr11
ENSMUSG0ENSMUSGC	1843.183	-0.00556	0.07963	-0.06984	0.944325	0.989402	Cnot2
ENSMUSG0ENSMUSGC	1686.459	-0.0247	0.075127	-0.32881	0.742301	0.940596	Tcf3
ENSMUSG0ENSMUSGC	115.4463	0.030243	0.144331	0.209537	0.834029	0.964464	Best3
ENSMUSG0ENSMUSGC	1062.285	0.014926	0.110167	0.135483	0.89223	0.979424	Frs2
ENSMUSG0ENSMUSGC	1592.378	-0.12949	0.083598	-1.54899	0.121383	0.534218	Yeats4
ENSMUSG0ENSMUSGC	60.35212	0.029681	0.141462	0.209813	0.833814	0.964464	Cobl
ENSMUSG0ENSMUSGC	735.8466	-0.16578	0.084338	-1.96565	0.049339	0.359021	Rab36
ENSMUSG0ENSMUSGC	305.7336	-0.03655	0.141218	-0.25879	0.7958	0.955463	Adora2a
ENSMUSG0ENSMUSGC	2306.217	0.079103	0.074517	1.061535	0.288447	0.728621	Snrpd3
ENSMUSG0ENSMUSGC	9317.9	0.013781	0.07564	0.182194	0.855431	0.970971	Ddc
ENSMUSG0ENSMUSGC	2750.411	-0.09552	0.096957	-0.98517	0.324539	0.754061	Cpm
ENSMUSG0ENSMUSGC	2679.713	0.016616	0.07294	0.227801	0.819801	0.960195	Mdm2
ENSMUSG0ENSMUSGC	1776.708	-0.00835	0.115839	-0.07205	0.942561	0.988829	E2f7
ENSMUSG0ENSMUSGC	384.2469	-0.01939	0.121394	-0.15973	0.873094	0.97593	Csrp2
ENSMUSG0ENSMUSGC	890.9843	-0.02306	0.113131	-0.20386	0.838461	0.965671	Osbpl8
ENSMUSG0ENSMUSGC	2433.134	0.0162	0.068011	0.238205	0.811722	0.958676	Mknk2
ENSMUSG0ENSMUSGC	2192.325	-0.05449	0.085985	-0.63374	0.526252	0.868304	Cabin1
ENSMUSG0ENSMUSGC	6939.87	0.133041	0.088838	1.497573	0.134244	0.558569	Ap3d1
ENSMUSG0ENSMUSGC	1301.599	0.000602	0.111196	0.005411	0.995683	0.998655	Phlda1
ENSMUSG0ENSMUSGC	2453.365	0.038786	0.069517	0.557943	0.576883	0.890747	Sf3a2
ENSMUSG0ENSMUSGC	2611.405	0.109924	0.099443	1.105394	0.268989	0.711911	Mdm1
ENSMUSG0ENSMUSGC	2187.948	-0.01701	0.114446	-0.14862	0.881857	0.97678	Timm13
ENSMUSG0ENSMUSGC	1118.092	-0.05817	0.105871	-0.54943	0.582713	0.892926	Vps13d
ENSMUSG0ENSMUSGC	760.5503	0.090114	0.109106	0.825936	0.408841	0.802846	Llph
ENSMUSG0ENSMUSGC	1857.722	0.032908	0.094796	0.347144	0.728483	0.938587	Tmbim4
ENSMUSG0ENSMUSGC	664.6127	0.005639	0.116155	0.048548	0.96128	0.994289	Helb
ENSMUSG0ENSMUSGC	926.4472	0.25737	0.092466	2.78341	0.005379	0.109108	Prmt2

ENSMUSG0ENSMUSG0	775.4589	-0.01125	0.102007	-0.1103	0.912172	0.983954	Dip2a
ENSMUSG0ENSMUSG0	1338.584	0.232199	0.106033	2.189866	0.028534	0.27089	Hmg20b
ENSMUSG0ENSMUSG0	2566.231	0.08944	0.064652	1.383401	0.166542	0.605329	Fzr1
ENSMUSG0ENSMUSG0	3406.594	-0.01997	0.087615	-0.22797	0.819666	0.960195	Ncln
ENSMUSG0ENSMUSG0	1898.962	0.087383	0.085594	1.020903	0.3073	0.743099	Hcfc2
ENSMUSG0ENSMUSG0	1217.46	-0.11398	0.086517	-1.31743	0.187696	0.635227	Nfyb
ENSMUSG0ENSMUSG0	5984.733	0.129762	0.098047	1.323467	0.18568	0.631891	Txnrd1
ENSMUSG0ENSMUSG0	859.3907	-0.10801	0.097433	-1.10856	0.267619	0.710904	Ppm1m
ENSMUSG0ENSMUSG0	15271.25	0.050293	0.102333	0.49146	0.623101	0.907988	D10Wsu10:
ENSMUSG0ENSMUSG0	3344.133	0.018613	0.126923	0.146652	0.883407	0.976958	Aldh1l2
ENSMUSG0ENSMUSG0	3081.925	0.186603	0.051813	3.601466	0.000316	0.017551	Wdr82
ENSMUSG0ENSMUSG0	129.0548	-0.11265	0.137885	-0.81699	0.413936	0.807543	Glyctk
ENSMUSG0ENSMUSG0	6022.278	0.043942	0.116704	0.376522	0.706529	0.934791	Pofut2
ENSMUSG0ENSMUSG0	2765.243	0.043773	0.10294	0.425229	0.67067	0.925833	Slc36a1
ENSMUSG0ENSMUSG0	1872.399	0.309259	0.130225	2.374806	0.017558	0.206966	Adarb1
ENSMUSG0ENSMUSG0	947.103	-0.09803	0.116939	-0.8383	0.40186	0.79975	Appl2
ENSMUSG0ENSMUSG0	7463.255	0.153065	0.071706	2.134633	0.032791	0.290277	Sumo3
ENSMUSG0ENSMUSG0	6441.236	0.083667	0.102993	0.812358	0.416586	0.808671	Hint1
ENSMUSG0ENSMUSG0	94.30353	-0.04547	0.145967	-0.3115	0.755421	0.94451	Lym7
ENSMUSG0ENSMUSG0	2852.537	0.094489	0.067637	1.397008	0.162411	0.601189	Fbxw11
ENSMUSG0ENSMUSG0	437.2029	0.094072	0.114378	0.822458	0.410816	0.804362	Stk10
ENSMUSG0ENSMUSG0	328.5494	-0.14368	0.094979	-1.51273	0.130349	0.550676	Papolg
ENSMUSG0ENSMUSG0	625.7626	0.072096	0.102683	0.702123	0.482603	0.846692	Rel
ENSMUSG0ENSMUSG0	10572.14	-0.01954	0.136535	-0.14314	0.886179	0.977921	Pfkl
ENSMUSG0ENSMUSG0	449.7092	-0.08158	0.108698	-0.75048	0.452965	0.827496	Pus10
ENSMUSG0ENSMUSG0	882.4735	0.082493	0.065516	1.259122	0.207986	0.656088	Pex13
ENSMUSG0ENSMUSG0	1215.496	0.110221	0.091476	1.204915	0.228236	0.677662	1810043G0
ENSMUSG0ENSMUSG0	532.8224	-0.31245	0.077346	-4.03969	5.35E-05	0.00511	Mpg
ENSMUSG0ENSMUSG0	1365.244	0.031496	0.084198	0.374069	0.708353	0.934791	Ahsa2
ENSMUSG0ENSMUSG0	934.7153	-0.10109	0.097909	-1.03247	0.301851	0.739759	Nprl3
ENSMUSG0ENSMUSG0	6387.181	0.09747	0.100618	0.968716	0.332687	0.75849	Xpo1
ENSMUSG0ENSMUSG0	2529.068	0.010835	0.134828	0.080358	0.935953	0.986886	Cpeb4
ENSMUSG0ENSMUSG0	103.3472	-0.05729	0.144035	-0.39773	0.690828	0.931679	Stc2
ENSMUSG0ENSMUSG0	355.3369	0.056705	0.100404	0.564771	0.572229	0.889935	Asb3
ENSMUSG0ENSMUSG0	2027.269	0.143636	0.09565	1.50169	0.133177	0.555792	Cdc34
ENSMUSG0ENSMUSG0	1528.923	-0.0313	0.124551	-0.25128	0.801597	0.95676	Tpgs1
ENSMUSG0ENSMUSG0	240.8876	0.105317	0.109274	0.963781	0.335156	0.759008	Chac2
ENSMUSG0ENSMUSG0	2214.516	-0.0133	0.059007	-0.22537	0.821692	0.961018	Erlec1
ENSMUSG0ENSMUSG0	1431.145	-0.21849	0.070294	-3.10822	0.001882	0.054576	Shc2
ENSMUSG0ENSMUSG0	4958.321	0.006149	0.083357	0.073768	0.941195	0.988214	Sptbn1
ENSMUSG0ENSMUSG0	748.2491	0.307627	0.129665	2.372474	0.017669	0.207742	Wdpcp
ENSMUSG0ENSMUSG0	25406.1	0.537281	0.086066	6.242643	4.30E-10	5.75E-07	Mdh1
ENSMUSG0ENSMUSG0	138.0194	0.165117	0.116877	1.412748	0.15773	0.596629	Fstl3
ENSMUSG0ENSMUSG0	2679.143	-0.26607	0.096581	-2.75486	0.005872	0.114003	Ccng1
ENSMUSG0ENSMUSG0	1647.452	0.060835	0.073155	0.831591	0.40564	0.80178	Nudcd2
ENSMUSG0ENSMUSG0	893.3625	0.10964	0.123046	0.891052	0.372901	0.786707	Polrmt
ENSMUSG0ENSMUSG0	3925.065	-0.03312	0.10326	-0.32072	0.748426	0.94212	Hmmr
ENSMUSG0ENSMUSG0	2761.206	0.05789	0.113541	0.509861	0.610149	0.904227	Hcn2
ENSMUSG0ENSMUSG0	390.2597	-0.15003	0.111146	-1.34987	0.177056	0.619699	Acs16
ENSMUSG0ENSMUSG0	17050.24	0.009251	0.10842	0.085327	0.932002	0.986608	Cyfp2
ENSMUSG0ENSMUSG0	1221.343	0.077082	0.088501	0.870973	0.383769	0.790851	Mgat1
ENSMUSG0ENSMUSG0	8794.238	0.068359	0.056848	1.202489	0.229174	0.679391	Ppp2ca

ENSMUSG0ENSMUSG0	13908.35	-0.05783	0.05877	-0.98394	0.325147	0.754238	Hnrnpab
ENSMUSG0ENSMUSG0	615.8411	0.013435	0.092858	0.144678	0.884965	0.977581	Phykpl
ENSMUSG0ENSMUSG0	6988.963	0.18541	0.059001	3.142479	0.001675	0.051061	Hspa4
ENSMUSG0ENSMUSG0	3534.837	-0.26816	0.106339	-2.5217	0.011679	0.167682	Cnot6
ENSMUSG0ENSMUSG0	187.3452	0.060039	0.139522	0.430318	0.666964	0.925067	Zfp354a
ENSMUSG0ENSMUSG0	1872.511	0.117269	0.098764	1.187367	0.235083	0.683418	Mapk9
ENSMUSG0ENSMUSG0	18305.15	0.115728	0.116055	0.997188	0.318673	0.75032	Canx
ENSMUSG0ENSMUSG0	19690.38	0.139159	0.106398	1.307911	0.190903	0.638189	Rack1
ENSMUSG0ENSMUSG0	198.8244	0.392403	0.130897	2.997806	0.002719	0.071133	Rasgef1c
ENSMUSG0ENSMUSG0	1054.572	-0.20317	0.091852	-2.21188	0.026975	0.262366	Rufy1
ENSMUSG0ENSMUSG0	5684.26	0.021755	0.101234	0.214895	0.829849	0.963218	Rnf130
ENSMUSG0ENSMUSG0	1139.575	0.064668	0.104647	0.61796	0.536602	0.872917	Rad50
ENSMUSG0ENSMUSG0	348.4822	0.048362	0.117083	0.413053	0.679568	0.928688	Mrnip
ENSMUSG0ENSMUSG0	1499.804	0.003623	0.115295	0.031422	0.974933	0.996035	Clk4
ENSMUSG0ENSMUSG0	2552.234	0.079776	0.065963	1.209407	0.226506	0.675764	Sar1b
ENSMUSG0ENSMUSG0	1225.514	-0.20925	0.098199	-2.13089	0.033098	0.291838	Jade2
ENSMUSG0ENSMUSG0	126.1849	0.197793	0.145147	1.362709	0.172974	0.614933	Cdkl3
ENSMUSG0ENSMUSG0	4207.593	0.010314	0.092983	0.110923	0.911677	0.983954	Ube2b
ENSMUSG0ENSMUSG0	2706.244	-0.06824	0.07216	-0.94567	0.344316	0.766294	Cdkn2aipnl
ENSMUSG0ENSMUSG0	491.014	0.079268	0.089699	0.883712	0.376852	0.788552	Kremen1
ENSMUSG0ENSMUSG0	1367.95	-0.16692	0.104836	-1.59224	0.111331	0.515827	Nefh
ENSMUSG0ENSMUSG0	1093.692	0.065333	0.070832	0.92237	0.356335	0.774872	Med7
ENSMUSG0ENSMUSG0	1503.748	0.050943	0.111743	0.455897	0.648464	0.918363	Tnip1
ENSMUSG0ENSMUSG0	9586.765	0.062998	0.076478	0.823739	0.410088	0.803289	Vdac1
ENSMUSG0ENSMUSG0	600.7088	0.501269	0.104853	4.780674	1.75E-06	0.000432	Upp1
ENSMUSG0ENSMUSG0	1410.36	-0.08744	0.089075	-0.98167	0.326262	0.754362	Slu7
ENSMUSG0ENSMUSG0	1786.947	0.057614	0.076573	0.752402	0.451809	0.827017	Ascc2
ENSMUSG0ENSMUSG0	579.3551	0.136566	0.101786	1.341702	0.179693	0.623888	Hus1
ENSMUSG0ENSMUSG0	372.6158	0.031542	0.09323	0.33832	0.735122	0.938791	Pttg1
ENSMUSG0ENSMUSG0	84.00077	-0.04525	0.128146	-0.35307	0.724034	0.937852	Zfp607a
ENSMUSG0ENSMUSG0	2918.563	0.358905	0.119507	3.003204	0.002672	0.070435	Tns3
ENSMUSG0ENSMUSG0	2473.317	-0.22703	0.134519	-1.68774	0.091461	0.474778	Btg2
ENSMUSG0ENSMUSG0	1921.31	0.06055	0.07339	0.825047	0.409345	0.803007	Pes1
ENSMUSG0ENSMUSG0	1460.742	-0.15119	0.142587	-1.06033	0.288996	0.728677	Adcy1
ENSMUSG0ENSMUSG0	1698.418	-0.03557	0.117313	-0.30319	0.761744	0.94648	Tcn2
ENSMUSG0ENSMUSG0	236.7554	0.098994	0.124527	0.794963	0.426635	0.81459	Osbp2
ENSMUSG0ENSMUSG0	251.569	0.056921	0.141527	0.402196	0.68754	0.931173	Gabrg2
ENSMUSG0ENSMUSG0	1192.388	0.162367	0.072408	2.242384	0.024937	0.252067	Smtn
ENSMUSG0ENSMUSG0	6700.906	-0.09308	0.088777	-1.04846	0.294426	0.733828	Arf5
ENSMUSG0ENSMUSG0	518.6689	0.034518	0.121817	0.283359	0.776902	0.950382	2310033P0
ENSMUSG0ENSMUSG0	2915.682	0.064083	0.119922	0.534372	0.593084	0.895885	Guk1
ENSMUSG0ENSMUSG0	1211.808	-0.03181	0.115103	-0.27637	0.782267	0.951982	Rnf185
ENSMUSG0ENSMUSG0	1232.937	0.083746	0.085554	0.978862	0.327648	0.754804	Limk2
ENSMUSG0ENSMUSG0	1035.123	-0.09297	0.091702	-1.01378	0.310687	0.744847	Patz1
ENSMUSG0ENSMUSG0	2196.79	0.075844	0.096651	0.78472	0.432618	0.81678	Eif4enif1
ENSMUSG0ENSMUSG0	739.2414	-0.10156	0.069009	-1.47174	0.14109	0.57119	Trim11
ENSMUSG0ENSMUSG0	8473.505	0.142566	0.084359	1.689987	0.09103	0.474409	Ogdh
ENSMUSG0ENSMUSG0	3644.507	0.039844	0.086848	0.458775	0.646396	0.916848	Drg1
ENSMUSG0ENSMUSG0	9985.248	0.045987	0.070272	0.654415	0.512844	0.861822	Rtn4
ENSMUSG0ENSMUSG0	1166.275	0.027697	0.073059	0.379102	0.704612	0.93471	Mtif2
ENSMUSG0ENSMUSG0	14327.88	0.228558	0.103702	2.203991	0.027525	0.264886	Rps27a
ENSMUSG0ENSMUSG0	2479.827	0.070551	0.088509	0.797106	0.425389	0.814522	Cfap36

ENSMUSG0ENSMUSG0	2066.345	0.157229	0.079273	1.983399	0.047323	0.350452	Ppp4r3b
ENSMUSG0ENSMUSG0	1053.914	0.06337	0.063784	0.993514	0.32046	0.750867	Pnpt1
ENSMUSG0ENSMUSG0	2548.591	0.085542	0.103795	0.824151	0.409854	0.803066	Pold2
ENSMUSG0ENSMUSG0	1625.08	-0.17911	0.121793	-1.47065	0.141385	0.571236	Zkscan17
ENSMUSG0ENSMUSG0	141.3396	-0.02661	0.141823	-0.18763	0.851163	0.969606	Aebp1
ENSMUSG0ENSMUSG0	641.3131	-0.13955	0.098478	-1.41712	0.156448	0.595338	Polm
ENSMUSG0ENSMUSG0	69.22369	0.05279	0.144645	0.364966	0.715137	0.935647	Pgam2
ENSMUSG0ENSMUSG0	4440.045	0.182839	0.10105	1.80939	0.07039	0.424337	Dbnl
ENSMUSG0ENSMUSG0	904.4375	0.065809	0.10714	0.614232	0.539062	0.873794	Mrps24
ENSMUSG0ENSMUSG0	1026.549	-0.11596	0.139804	-0.82943	0.406858	0.801957	Ccdc117
ENSMUSG0ENSMUSG0	7272.613	-0.01695	0.069492	-0.24388	0.807321	0.958353	Dynll2
ENSMUSG0ENSMUSG0	9604.105	0.002509	0.11151	0.022499	0.98205	0.997345	Xbp1
ENSMUSG0ENSMUSG0	634.6352	-0.02332	0.111355	-0.20946	0.834087	0.964464	Supt4a
ENSMUSG0ENSMUSG0	45.28222	-0.05702	0.145901	-0.39083	0.695924	0.933215	Sep-04
ENSMUSG0ENSMUSG0	42.99562	0.071065	0.143547	0.495065	0.620555	0.907795	Btnl10
ENSMUSG0ENSMUSG0	260.0152	-0.04823	0.118042	-0.40863	0.682814	0.930301	2810021J2
ENSMUSG0ENSMUSG0	1790.531	0.127352	0.093051	1.368628	0.171116	0.612397	Ska2
ENSMUSG0ENSMUSG0	1068.22	-0.09317	0.087742	-1.06188	0.288291	0.728621	Prr11
ENSMUSG0ENSMUSG0	659.8248	0.213005	0.079376	2.683499	0.007286	0.129569	Smg8
ENSMUSG0ENSMUSG0	7466.23	-0.00741	0.104667	-0.07083	0.94353	0.989095	Rnf187
ENSMUSG0ENSMUSG0	328.3069	0.100747	0.091675	1.09896	0.271785	0.714919	Tubd1
ENSMUSG0ENSMUSG0	544.2099	0.00469	0.109119	0.042983	0.965715	0.994842	Mrpl22
ENSMUSG0ENSMUSG0	1303.378	-0.13872	0.080456	-1.72417	0.084677	0.459368	Cnot8
ENSMUSG0ENSMUSG0	1476.316	0.05085	0.088008	0.577783	0.563411	0.885388	Rps6kb1
ENSMUSG0ENSMUSG0	440.6496	-0.04134	0.131557	-0.3142	0.753367	0.943881	Sap30l
ENSMUSG0ENSMUSG0	1351.428	0.025658	0.062731	0.409011	0.682532	0.9302	Galnt10
ENSMUSG0ENSMUSG0	499.4936	-0.13102	0.135769	-0.96504	0.334527	0.759008	Rnft1
ENSMUSG0ENSMUSG0	1380.861	-0.08147	0.08434	-0.96595	0.334068	0.759008	Mfap3
ENSMUSG0ENSMUSG0	2130.82	-0.23106	0.099633	-2.31914	0.020388	0.225784	Fam114a2
ENSMUSG0ENSMUSG0	1339.462	0.066356	0.121922	0.544246	0.586272	0.894128	Ppm1d
ENSMUSG0ENSMUSG0	600.642	0.099963	0.094202	1.061154	0.28862	0.728621	Znhit3
ENSMUSG0ENSMUSG0	502.6576	-0.04171	0.085314	-0.48892	0.624899	0.908091	Myo19
ENSMUSG0ENSMUSG0	1311.701	0.078552	0.116037	0.676958	0.498433	0.85402	Prpsap2
ENSMUSG0ENSMUSG0	2959.703	0.000653	0.063206	0.010326	0.991761	0.998539	Ggnbp2
ENSMUSG0ENSMUSG0	2332.691	0.196102	0.125778	1.559108	0.118971	0.529565	Acaca
ENSMUSG0ENSMUSG0	1432.729	0.051815	0.094527	0.548145	0.583592	0.892957	Shmt1
ENSMUSG0ENSMUSG0	1226.053	-0.14338	0.112882	-1.27018	0.20402	0.652112	Ligl1
ENSMUSG0ENSMUSG0	2664.05	0.119941	0.074138	1.617805	0.105705	0.504407	Drg2
ENSMUSG0ENSMUSG0	9238.28	0.008857	0.130423	0.067908	0.945859	0.989708	Srebf1
ENSMUSG0ENSMUSG0	681.888	-0.0109	0.117346	-0.09292	0.925965	0.985705	Tom1l1
ENSMUSG0ENSMUSG0	389.6737	0.205713	0.091853	2.239604	0.025117	0.253002	Cox11
ENSMUSG0ENSMUSG0	449.7807	0.117419	0.10111	1.161291	0.245523	0.693666	Stxbp4
ENSMUSG0ENSMUSG0	1329.615	-0.09903	0.060171	-1.64587	0.099791	0.492764	Bzw2
ENSMUSG0ENSMUSG0	1052.122	0.020005	0.082051	0.243808	0.807379	0.958353	Elac2
ENSMUSG0ENSMUSG0	133.8679	-0.27812	0.137459	-2.02329	0.043043	0.335093	Pctp
ENSMUSG0ENSMUSG0	440.152	-0.27311	0.082584	-3.30705	0.000943	0.035987	Twistnb
ENSMUSG0ENSMUSG0	223.6482	-0.03136	0.116921	-0.26825	0.788508	0.95434	Atxn7l1
ENSMUSG0ENSMUSG0	1276.969	0.264734	0.078604	3.367954	0.000757	0.030956	Sypl
ENSMUSG0ENSMUSG0	22238.92	0.148767	0.110481	1.346537	0.178129	0.621199	Pdia6
ENSMUSG0ENSMUSG0	3499.266	-0.00672	0.143866	-0.04671	0.96274	0.994289	Nampt
ENSMUSG0ENSMUSG0	150.194	0.196565	0.144444	1.360835	0.173566	0.615486	Pik3cg
ENSMUSG0ENSMUSG0	2243.463	0.015539	0.099013	0.156942	0.875291	0.97593	Nbas

ENSMUSG0ENSMUSGC	12972.89	0.081647	0.095822	0.852069	0.394176	0.796246	Tspan13
ENSMUSG0ENSMUSGC	2838.676	0.023266	0.09644	0.241251	0.80936	0.958353	Rock2
ENSMUSG0ENSMUSGC	8427.176	-0.00594	0.079288	-0.07497	0.940239	0.988086	Laptm4a
ENSMUSG0ENSMUSGC	559.7548	0.106542	0.094572	1.126575	0.259922	0.704211	Fam49a
ENSMUSG0ENSMUSGC	1925.54	0.017765	0.091578	0.193982	0.84619	0.968351	Snx13
ENSMUSG0ENSMUSGC	905.841	-0.17901	0.088233	-2.02887	0.042471	0.333069	Sdc1
ENSMUSG0ENSMUSGC	1066.59	0.146387	0.146002	1.002635	0.316037	0.748886	Lpin1
ENSMUSG0ENSMUSGC	5478.544	0.036637	0.094695	0.386896	0.698833	0.933914	Pum2
ENSMUSG0ENSMUSGC	7373.693	0.145663	0.140811	1.034455	0.300924	0.739127	Nrcam
ENSMUSG0ENSMUSGC	2328.532	-0.04829	0.096306	-0.50144	0.61606	0.906342	Rgs9
ENSMUSG0ENSMUSGC	1224.516	-0.14178	0.065594	-2.16146	0.03066	0.280493	Trib2
ENSMUSG0ENSMUSGC	114.6546	-0.15087	0.141833	-1.0637	0.287463	0.727903	Arsg
ENSMUSG0ENSMUSGC	1009.124	-0.14262	0.131532	-1.08433	0.278219	0.720077	Hs1bp3
ENSMUSG0ENSMUSGC	452.5466	-0.11169	0.079773	-1.40012	0.161477	0.600934	Fam84a
ENSMUSG0ENSMUSGC	3964.17	0.008638	0.087403	0.098825	0.921277	0.985705	Smc6
ENSMUSG0ENSMUSGC	53.4458	-0.05068	0.097315	-0.52081	0.602502	0.90005	Apob
ENSMUSG0ENSMUSGC	2321.327	-0.0107	0.069032	-0.15494	0.876872	0.976193	Amz2
ENSMUSG0ENSMUSGC	2288.329	0.002662	0.090624	0.029377	0.976564	0.996317	Gna13
ENSMUSG0ENSMUSGC	52543	-0.1665	0.072283	-2.30343	0.021255	0.231563	Prkar1a
ENSMUSG0ENSMUSGC	1485.548	-0.03857	0.110845	-0.34795	0.727874	0.938587	Fam20a
ENSMUSG0ENSMUSGC	773.3843	-0.05218	0.077017	-0.67748	0.4981	0.854018	Rdh14
ENSMUSG0ENSMUSGC	286.7954	-0.05199	0.140526	-0.37	0.711386	0.935647	Map2k6
ENSMUSG0ENSMUSGC	602.937	-0.00603	0.104114	-0.05791	0.953823	0.992357	Klhl29
ENSMUSG0ENSMUSGC	1645.581	-0.03394	0.072648	-0.46718	0.640373	0.914222	Trappc12
ENSMUSG0ENSMUSGC	5217.739	0.117299	0.08442	1.389467	0.164691	0.603971	Adi1
ENSMUSG0ENSMUSGC	523.2739	-0.14278	0.096967	-1.47242	0.140908	0.571183	Rnaseh1
ENSMUSG0ENSMUSGC	1275.774	-0.10803	0.094435	-1.14394	0.252649	0.698438	Ubxn2a
ENSMUSG0ENSMUSGC	920.2339	0.131125	0.103306	1.269283	0.20434	0.652499	Fkbp1b
ENSMUSG0ENSMUSGC	986.7174	-0.08831	0.129382	-0.68252	0.494908	0.853343	Cmpk2
ENSMUSG0ENSMUSGC	974.4071	-0.19635	0.115937	-1.69361	0.090339	0.473154	Itsn2
ENSMUSG0ENSMUSGC	113.8026	-0.03299	0.113228	-0.29138	0.770762	0.949297	Rsad2
ENSMUSG0ENSMUSGC	124.6873	-0.26283	0.144069	-1.82435	0.0681	0.419228	Rnf144a
ENSMUSG0ENSMUSGC	4537.472	0.080417	0.138358	0.581224	0.561089	0.884506	Id2
ENSMUSG0ENSMUSGC	1606.403	0.203372	0.072229	2.81563	0.004868	0.10213	Mboat2
ENSMUSG0ENSMUSGC	1382.166	-0.0201	0.088551	-0.22695	0.820466	0.960432	Ncoa1
ENSMUSG0ENSMUSGC	130.3853	0.104568	0.131732	0.793797	0.427313	0.81459	Dus4l
ENSMUSG0ENSMUSGC	4734.497	-0.10942	0.086501	-1.26493	0.205896	0.653818	Rrm2
ENSMUSG0ENSMUSGC	458.1789	-0.07581	0.127738	-0.59349	0.552852	0.880913	Bcap29
ENSMUSG0ENSMUSGC	536.1925	0.117335	0.082821	1.416724	0.156564	0.595338	Cenpo
ENSMUSG0ENSMUSGC	343.0892	-0.2311	0.085893	-2.69061	0.007132	0.128019	Klf11
ENSMUSG0ENSMUSGC	67.60031	-0.13829	0.145332	-0.95155	0.341327	0.763927	Adcy3
ENSMUSG0ENSMUSGC	538.133	0.126715	0.135428	0.935661	0.349448	0.771314	Grhl1
ENSMUSG0ENSMUSGC	1201.437	-0.12785	0.082368	-1.55221	0.120613	0.533406	Dnajc27
ENSMUSG0ENSMUSGC	1677.247	0.021467	0.115811	0.185366	0.852942	0.969826	Efr3b
ENSMUSG0ENSMUSGC	818.8661	-0.02637	0.106679	-0.24721	0.804749	0.957462	Cbl11
ENSMUSG0ENSMUSGC	118.1219	-0.10958	0.130452	-0.83998	0.400918	0.79975	Pomc
ENSMUSG0ENSMUSGC	5946.398	0.135135	0.117617	1.148932	0.250584	0.697484	Dnmt3a
ENSMUSG0ENSMUSGC	3960.324	0.066309	0.054457	1.217646	0.223359	0.673502	Dld
ENSMUSG0ENSMUSGC	952.8643	0.421018	0.077666	5.420906	5.93E-08	3.60E-05	Kif3c
ENSMUSG0ENSMUSGC	501.0665	0.08139	0.106295	0.765705	0.443852	0.823109	Sh3yl1
ENSMUSG0ENSMUSGC	4874.752	0.158823	0.065568	2.422261	0.015424	0.194359	Rab10
ENSMUSG0ENSMUSGC	84.15437	0.009679	0.145791	0.066388	0.947069	0.990336	Sntg2

ENSMUSG0ENSMUSGC	1362.937	-0.36127	0.127953	-2.82347	0.004751	0.101279	Pxdn
ENSMUSG0ENSMUSGC	1461.962	-0.08764	0.082025	-1.06851	0.285292	0.725911	Ddx52
ENSMUSG0ENSMUSGC	2276.56	-0.04229	0.094155	-0.4492	0.653287	0.919812	Taf15
ENSMUSG0ENSMUSGC	107.8943	0.271585	0.133826	2.029393	0.042418	0.333069	Ace
ENSMUSG0ENSMUSGC	386.9582	-0.11455	0.142565	-0.8035	0.421688	0.812204	Rasl10b
ENSMUSG0ENSMUSGC	1910.928	0.032613	0.088915	0.366792	0.713774	0.935647	Cdc27
ENSMUSG0ENSMUSGC	311.6648	-0.07385	0.095728	-0.7715	0.440411	0.821186	Mettl2
ENSMUSG0ENSMUSGC	334.5451	-0.16762	0.102427	-1.63652	0.101732	0.497207	Nle1
ENSMUSG0ENSMUSGC	1526.493	-0.01739	0.058391	-0.29782	0.76584	0.947876	Tlk2
ENSMUSG0ENSMUSGC	848.3352	-0.11411	0.129297	-0.88252	0.377495	0.788723	Mrc2
ENSMUSG0ENSMUSGC	135.8358	0.088922	0.123646	0.719163	0.472041	0.841375	Rffl
ENSMUSG0ENSMUSGC	891.4151	-0.06096	0.09953	-0.61248	0.540219	0.873794	Lig3
ENSMUSG0ENSMUSGC	902.6094	0.178888	0.118766	1.506214	0.132012	0.554559	Map3k3
ENSMUSG0ENSMUSGC	54.14942	0.01893	0.142371	0.132962	0.894223	0.979691	5530401A1
ENSMUSG0ENSMUSGC	67.14533	-0.45687	0.139028	-3.2862	0.001015	0.036951	Asic2
ENSMUSG0ENSMUSGC	2753.357	-0.03658	0.071311	-0.51302	0.607935	0.903741	Ddx42
ENSMUSG0ENSMUSGC	1998.855	0.285216	0.080145	3.558726	0.000373	0.019611	Ftsj3
ENSMUSG0ENSMUSGC	188.5159	-0.14017	0.1153	-1.21568	0.224106	0.673874	Rnf135
ENSMUSG0ENSMUSGC	5653.168	0.180431	0.083754	2.154284	0.031218	0.283485	Psmc5
ENSMUSG0ENSMUSGC	7079.53	-0.04702	0.138491	-0.33948	0.734245	0.938791	Ern1
ENSMUSG0ENSMUSGC	1569.973	-0.07453	0.084993	-0.87694	0.38052	0.79028	Nf1
ENSMUSG0ENSMUSGC	170.8909	0.008865	0.116062	0.076383	0.939114	0.987897	Polg2
ENSMUSG0ENSMUSGC	30143.2	-0.08118	0.075762	-1.07148	0.283952	0.725004	Ddx5
ENSMUSG0ENSMUSGC	3010.554	0.097059	0.073733	1.316362	0.188053	0.635585	Psmc12
ENSMUSG0ENSMUSGC	1218.114	0.021816	0.100795	0.216441	0.828644	0.963218	Helz
ENSMUSG0ENSMUSGC	671.2571	0.274166	0.093743	2.92465	0.003448	0.08256	Cacng4
ENSMUSG0ENSMUSGC	174.5173	-0.034	0.133055	-0.25551	0.79833	0.956402	Cep112
ENSMUSG0ENSMUSGC	801.6781	-0.14246	0.13469	-1.05773	0.290181	0.7298	Rab37
ENSMUSG0ENSMUSGC	1521.401	0.085106	0.071027	1.198208	0.230836	0.68059	Slc9a3r1
ENSMUSG0ENSMUSGC	603.1352	-0.04935	0.112663	-0.43802	0.661371	0.923825	Nt5c
ENSMUSG0ENSMUSGC	4387.11	0.075985	0.081281	0.934841	0.34987	0.771455	Jpt1
ENSMUSG0ENSMUSGC	8697.24	0.128953	0.085606	1.506368	0.131973	0.554559	Sumo2
ENSMUSG0ENSMUSGC	4012.124	0.178938	0.071869	2.489771	0.012783	0.175967	Nup85
ENSMUSG0ENSMUSGC	1100.174	-0.11022	0.085712	-1.28591	0.198473	0.645341	Gga3
ENSMUSG0ENSMUSGC	2424.632	0.128721	0.070796	1.818187	0.069036	0.421143	Cluh
ENSMUSG0ENSMUSGC	832.3963	-0.10654	0.103467	-1.02967	0.303167	0.739759	Mif4gd
ENSMUSG0ENSMUSGC	933.9555	0.03671	0.119933	0.306085	0.75954	0.945578	Slc25a19
ENSMUSG0ENSMUSGC	8489.542	0.075539	0.070149	1.076844	0.28155	0.722218	Pafah1b1
ENSMUSG0ENSMUSGC	1577.303	-0.17677	0.09215	-1.91832	0.055071	0.379148	Tmem94
ENSMUSG0ENSMUSGC	652.7375	-0.15685	0.135634	-1.1564	0.247519	0.695372	Recql5
ENSMUSG0ENSMUSGC	1298.546	0.11004	0.099816	1.102428	0.270276	0.713492	Sap30bp
ENSMUSG0ENSMUSGC	1312.001	-0.04057	0.089734	-0.4521	0.651194	0.919167	Unk
ENSMUSG0ENSMUSGC	1787.143	0.197963	0.086368	2.292098	0.0219	0.235634	Mrpl38
ENSMUSG0ENSMUSGC	973.2636	-0.18979	0.095395	-1.98948	0.046648	0.348544	Fbf1
ENSMUSG0ENSMUSGC	3927.5	0.13228	0.066261	1.996354	0.045895	0.344757	Acox1
ENSMUSG0ENSMUSGC	1059.97	0.081944	0.105036	0.780152	0.435301	0.818034	Ten1
ENSMUSG0ENSMUSGC	4387.528	0.140473	0.055919	2.512065	0.012003	0.169925	Srp68
ENSMUSG0ENSMUSGC	611.7405	-0.05337	0.112491	-0.47443	0.635194	0.912468	Tsen54
ENSMUSG0ENSMUSGC	1019.866	0.099829	0.118525	0.842257	0.399644	0.799703	Llg12
ENSMUSG0ENSMUSGC	1476.668	0.018381	0.058146	0.316117	0.751914	0.94327	Ncbp3
ENSMUSG0ENSMUSGC	857.403	-0.0037	0.10818	-0.03424	0.972683	0.995769	Camkk1
ENSMUSG0ENSMUSGC	45128	-0.08284	0.079336	-1.04421	0.29639	0.735498	Atp2a3

ENSMUSG0ENSMUSG0	3322.749	0.202597	0.091573	2.212409	0.026938	0.262366	Ankfy1
ENSMUSG0ENSMUSG0	2449.863	0.178518	0.131633	1.356178	0.175042	0.617685	Exoc7
ENSMUSG0ENSMUSG0	249.7223	0.050726	0.138215	0.367005	0.713615	0.935647	Galr2
ENSMUSG0ENSMUSG0	1153.888	-0.21481	0.095128	-2.25807	0.023941	0.246929	Ube2g1
ENSMUSG0ENSMUSG0	411.638	-0.05093	0.107256	-0.47483	0.634909	0.912468	Med31
ENSMUSG0ENSMUSG0	4279.6	0.02124	0.078318	0.271197	0.786239	0.953517	Ube2o
ENSMUSG0ENSMUSG0	2356.327	0.159679	0.116393	1.3719	0.170095	0.611308	Txndc17
ENSMUSG0ENSMUSG0	1000.987	-0.0545	0.145469	-0.37463	0.707937	0.934791	Rhbdf2
ENSMUSG0ENSMUSG0	588.8122	0.030239	0.100365	0.301291	0.763193	0.946679	4933427D1
ENSMUSG0ENSMUSG0	1629.78	-0.07859	0.081726	-0.96157	0.336266	0.759654	Pimreg
ENSMUSG0ENSMUSG0	172.0646	0.05293	0.128237	0.412749	0.679791	0.928707	1810032OC
ENSMUSG0ENSMUSG0	2737.737	0.011273	0.067307	0.167491	0.866984	0.974473	Rabep1
ENSMUSG0ENSMUSG0	2685.787	0.074438	0.13576	0.548304	0.583483	0.892957	Mfsd11
ENSMUSG0ENSMUSG0	1156.943	0.019213	0.064881	0.296134	0.767128	0.948583	Kif1c
ENSMUSG0ENSMUSG0	2735.458	0.216788	0.100192	2.163714	0.030486	0.279691	Sec14l1
ENSMUSG0ENSMUSG0	2402.396	0.082636	0.069857	1.182944	0.236831	0.685759	Mink1
ENSMUSG0ENSMUSG0	259.5608	0.016968	0.108554	0.15631	0.875788	0.97593	Slc46a1
ENSMUSG0ENSMUSG0	867.561	0.072334	0.131077	0.551844	0.581056	0.892821	0610010K1
ENSMUSG0ENSMUSG0	649.4784	0.118724	0.082429	1.44031	0.14978	0.582981	Eral1
ENSMUSG0ENSMUSG0	984.0921	0.004873	0.077885	0.062564	0.950114	0.991323	Dhrs13
ENSMUSG0ENSMUSG0	55.41161	-0.29539	0.145015	-2.03694	0.041656	0.331123	Coro6
ENSMUSG0ENSMUSG0	2636.017	-0.01393	0.087561	-0.15904	0.873636	0.97593	Blmh
ENSMUSG0ENSMUSG0	3939.921	-0.0357	0.094233	-0.37888	0.704774	0.93471	Cpd
ENSMUSG0ENSMUSG0	1000.387	0.025896	0.118502	0.218531	0.827015	0.962625	Timm22
ENSMUSG0ENSMUSG0	856.8974	0.191926	0.109191	1.757715	0.078796	0.445187	Nxn
ENSMUSG0ENSMUSG0	810.2416	0.044529	0.099638	0.446907	0.654942	0.919989	Rflnb
ENSMUSG0ENSMUSG0	5693.97	0.076092	0.09624	0.790653	0.429147	0.815457	Rph3al
ENSMUSG0ENSMUSG0	135.7085	0.135276	0.138993	0.973256	0.330426	0.75708	Doc2b
ENSMUSG0ENSMUSG0	19886.35	0.174967	0.072849	2.401777	0.016316	0.201041	Ywhae
ENSMUSG0ENSMUSG0	13110.47	0.022926	0.074571	0.307442	0.758507	0.945377	Prpf8
ENSMUSG0ENSMUSG0	7019.599	0.27424	0.095604	2.868486	0.004124	0.092735	Nme2
ENSMUSG0ENSMUSG0	3467.799	-0.07744	0.091633	-0.84511	0.398051	0.79867	Spag9
ENSMUSG0ENSMUSG0	3553.222	0.082149	0.070511	1.165051	0.243998	0.691771	Luc7l3
ENSMUSG0ENSMUSG0	3352.802	-0.23915	0.074175	-3.22415	0.001263	0.042542	Ankrd40
ENSMUSG0ENSMUSG0	201.7645	-0.05336	0.144471	-0.36936	0.711862	0.935647	Abcc3
ENSMUSG0ENSMUSG0	590.1034	-0.18719	0.146011	-1.28202	0.199837	0.647054	Cacna1g
ENSMUSG0ENSMUSG0	317.6433	-0.26289	0.126838	-2.07264	0.038206	0.317596	Xylt2
ENSMUSG0ENSMUSG0	9341.198	0.134895	0.08339	1.617646	0.105739	0.504407	Lrrc59
ENSMUSG0ENSMUSG0	5285.811	-0.00895	0.100126	-0.0894	0.928761	0.985705	Slc35b1
ENSMUSG0ENSMUSG0	1091.422	0.065824	0.14594	0.451036	0.651964	0.919812	Snx11
ENSMUSG0ENSMUSG0	398.8824	0.130178	0.132879	0.97967	0.327249	0.754587	Scrn2
ENSMUSG0ENSMUSG0	66.36655	-0.02529	0.137447	-0.18398	0.854029	0.970237	Lrrc46
ENSMUSG0ENSMUSG0	186.4248	-0.30561	0.137357	-2.22493	0.026086	0.258488	Cacnb1
ENSMUSG0ENSMUSG0	534.9017	-0.06485	0.095769	-0.6771	0.498342	0.854018	Fbxl20
ENSMUSG0ENSMUSG0	2211.763	-0.05194	0.085569	-0.607	0.54385	0.875214	Dlg4
ENSMUSG0ENSMUSG0	1232.851	0.134838	0.098925	1.363033	0.172872	0.614733	Dvl2
ENSMUSG0ENSMUSG0	350.9728	-0.00202	0.132978	-0.01518	0.987886	0.998385	Nr1d1
ENSMUSG0ENSMUSG0	87.09145	-0.10883	0.141719	-0.7679	0.442546	0.822413	Aloxe3
ENSMUSG0ENSMUSG0	950.4519	-0.02759	0.110195	-0.25036	0.802306	0.95694	Per1
ENSMUSG0ENSMUSG0	7993.309	0.08162	0.081758	0.998307	0.31813	0.75003	Vamp2
ENSMUSG0ENSMUSG0	1364.89	-0.12753	0.096385	-1.32316	0.185781	0.631891	Tmem107
ENSMUSG0ENSMUSG0	2511.636	-0.02724	0.057142	-0.47662	0.633632	0.91238	Aurkb

ENSMUSG0ENSMUSG0	2997.924	0.154279	0.08463	1.822974	0.068307	0.419929	Ctc1
ENSMUSG0ENSMUSG0	1550.352	0.033922	0.097921	0.346426	0.729023	0.938791	Pfas
ENSMUSG0ENSMUSG0	1769.447	-0.11004	0.086656	-1.26982	0.204148	0.652209	Myh10
ENSMUSG0ENSMUSG0	173.3824	0.020344	0.145939	0.139403	0.889131	0.978618	Ntn1
ENSMUSG0ENSMUSG0	624.473	0.002444	0.129982	0.0188	0.985001	0.997439	Stx8
ENSMUSG0ENSMUSG0	362.8311	-0.1925	0.104676	-1.83904	0.065909	0.413509	Usp43
ENSMUSG0ENSMUSG0	388.3013	-0.04012	0.090697	-0.4424	0.658199	0.921552	Adprm
ENSMUSG0ENSMUSG0	17862.57	-0.0042	0.080003	-0.05255	0.958094	0.993017	Top2a
ENSMUSG0ENSMUSG0	112865.4	-0.05871	0.112844	-0.52026	0.602883	0.900216	Acly
ENSMUSG0ENSMUSG0	2112.363	0.142109	0.051977	2.734088	0.006255	0.117934	Kat2a
ENSMUSG0ENSMUSG0	1622.303	-0.06253	0.059476	-1.05131	0.293115	0.733373	Stat5b
ENSMUSG0ENSMUSG0	772.5498	0.147781	0.096548	1.53064	0.125858	0.542168	Tmem101
ENSMUSG0ENSMUSG0	1309.684	0.134887	0.082831	1.628458	0.103428	0.499892	Lsm12
ENSMUSG0ENSMUSG0	3750.177	-0.02225	0.05866	-0.37927	0.704488	0.93471	Ubtf
ENSMUSG0ENSMUSG0	870.8378	0.074316	0.06533	1.137544	0.255311	0.701777	Ccdc43
ENSMUSG0ENSMUSG0	103.5373	-0.03153	0.11379	-0.27706	0.781731	0.951693	Adam11
ENSMUSG0ENSMUSG0	4380.939	0.169945	0.117962	1.440668	0.149679	0.582981	Eftud2
ENSMUSG0ENSMUSG0	62.39154	-0.22774	0.143616	-1.58576	0.112794	0.518563	Ccdc103
ENSMUSG0ENSMUSG0	2631.712	0.028633	0.118624	0.241378	0.809262	0.958353	Dcakd
ENSMUSG0ENSMUSG0	3576.719	0.053287	0.06945	0.767262	0.442926	0.822532	Nmt1
ENSMUSG0ENSMUSG0	316.6812	0.045805	0.131478	0.348388	0.727549	0.938587	1700023F0
ENSMUSG0ENSMUSG0	177.1885	-0.04862	0.108382	-0.44858	0.653736	0.919812	Map3k14
ENSMUSG0ENSMUSG0	5211.864	-0.02603	0.057564	-0.45212	0.651181	0.919167	Gosr2
ENSMUSG0ENSMUSG0	116.6559	0.114104	0.145182	0.785941	0.431902	0.816305	Klhl28
ENSMUSG0ENSMUSG0	3075.021	0.253916	0.08643	2.93783	0.003305	0.080621	Fkbp3
ENSMUSG0ENSMUSG0	85.24675	-0.05795	0.140823	-0.41153	0.680684	0.929103	Foxg1
ENSMUSG0ENSMUSG0	4983.362	0.173406	0.076664	2.261878	0.023705	0.245557	Scfd1
ENSMUSG0ENSMUSG0	1298.628	0.038545	0.145777	0.264409	0.791465	0.954487	Coch
ENSMUSG0ENSMUSG0	2489.818	0.077126	0.089787	0.858992	0.390345	0.794806	Strn3
ENSMUSG0ENSMUSG0	520.7875	0.116787	0.127099	0.918868	0.358164	0.776143	Ap4s1
ENSMUSG0ENSMUSG0	417.7834	-0.16252	0.115129	-1.41166	0.15805	0.59683	Dtd2
ENSMUSG0ENSMUSG0	108.4914	0.185385	0.144833	1.27999	0.200549	0.647989	Ston2
ENSMUSG0ENSMUSG0	1625.562	-0.11898	0.070957	-1.67677	0.093587	0.479713	Gtf2a1
ENSMUSG0ENSMUSG0	3002.554	0.036884	0.087207	0.422948	0.672333	0.926789	Sel1l
ENSMUSG0ENSMUSG0	1028.791	0.13756	0.06821	2.016698	0.043727	0.337833	Dnaaf2
ENSMUSG0ENSMUSG0	765.4961	0.099205	0.070974	1.397752	0.162187	0.601189	Pole2
ENSMUSG0ENSMUSG0	3165.207	0.065757	0.060424	1.088259	0.276481	0.718088	Klhdc2
ENSMUSG0ENSMUSG0	1620.139	0.097954	0.065492	1.495658	0.134743	0.559871	Nemf
ENSMUSG0ENSMUSG0	666.6466	0.347662	0.114668	3.031892	0.00243	0.06576	Sec23a
ENSMUSG0ENSMUSG0	471.9171	0.153695	0.080201	1.916384	0.055316	0.379575	L2hgdh
ENSMUSG0ENSMUSG0	122.0112	0.606998	0.14433	4.205621	2.60E-05	0.002949	Cdkl1
ENSMUSG0ENSMUSG0	1929.986	-0.14163	0.06991	-2.02586	0.042779	0.333872	Trappc6b
ENSMUSG0ENSMUSG0	3423.187	0.039988	0.06316	0.633121	0.526654	0.868304	Pnn
ENSMUSG0ENSMUSG0	3775.885	-0.20523	0.078431	-2.61668	0.008879	0.143166	Ctage5
ENSMUSG0ENSMUSG0	1202.327	-0.03683	0.125141	-0.29432	0.768511	0.948979	Galc
ENSMUSG0ENSMUSG0	433.7598	-0.10467	0.093854	-1.11526	0.26474	0.708038	Spata7
ENSMUSG0ENSMUSG0	3425.537	0.368367	0.111071	3.316511	0.000911	0.035112	Ptpn21
ENSMUSG0ENSMUSG0	159.4761	0.129803	0.145265	0.893558	0.371558	0.78587	Npas3
ENSMUSG0ENSMUSG0	6091.272	0.060557	0.05238	1.156119	0.247632	0.6954	Zc3h14
ENSMUSG0ENSMUSG0	1648.277	0.001227	0.131507	0.009329	0.992556	0.998539	Ttc8
ENSMUSG0ENSMUSG0	453.8146	0.086727	0.117231	0.739794	0.459425	0.832245	Polr2h
ENSMUSG0ENSMUSG0	1048.023	0.087306	0.07603	1.148312	0.25084	0.69752	Ppp2r3c

ENSMUSG0ENSMUSG0	284.4826	-0.05907	0.129977	-0.45446	0.649499	0.918645	1110008L1
ENSMUSG0ENSMUSG0	4102.24	0.113046	0.109142	1.035771	0.300309	0.738589	Psma6
ENSMUSG0ENSMUSG0	878.9436	-0.17807	0.10901	-1.63355	0.102354	0.498785	Nfkb1a
ENSMUSG0ENSMUSG0	3256.678	0.285407	0.10294	2.772566	0.005562	0.111082	Ralgapa1
ENSMUSG0ENSMUSG0	326.5996	-0.07336	0.095546	-0.76776	0.442628	0.822413	Mbip
ENSMUSG0ENSMUSG0	2198.118	-0.09851	0.097638	-1.00892	0.313012	0.746673	Gstz1
ENSMUSG0ENSMUSG0	1776.119	-0.02668	0.086986	-0.30668	0.759085	0.945578	Sptlc2
ENSMUSG0ENSMUSG0	3409.555	0.090976	0.09592	0.948465	0.342893	0.765528	Ahsa1
ENSMUSG0ENSMUSG0	1501.046	-0.05255	0.066285	-0.79278	0.427908	0.815002	Vipas39
ENSMUSG0ENSMUSG0	2658.125	0.00262	0.054532	0.048037	0.961687	0.994289	Snw1
ENSMUSG0ENSMUSG0	1119.494	0.023422	0.117036	0.20013	0.841379	0.966812	Slirp
ENSMUSG0ENSMUSG0	567.3171	0.192842	0.085835	2.246665	0.024661	0.250303	Adck1
ENSMUSG0ENSMUSG0	1235.695	0.148038	0.085532	1.730778	0.083491	0.456096	Nova1
ENSMUSG0ENSMUSG0	4348.274	0.224627	0.078525	2.860579	0.004229	0.094682	Mthfd1
ENSMUSG0ENSMUSG0	1640.803	0.103098	0.074937	1.3758	0.168884	0.609423	Ppp2r5e
ENSMUSG0ENSMUSG0	2359.125	-0.05678	0.115314	-0.49237	0.622459	0.907988	Sgpp1
ENSMUSG0ENSMUSG0	94.14665	0.270975	0.125751	2.15485	0.031174	0.283467	Akap5
ENSMUSG0ENSMUSG0	633.0291	-0.19993	0.125599	-1.59184	0.11142	0.516062	Sptb
ENSMUSG0ENSMUSG0	960.9321	-0.11266	0.098474	-1.14408	0.252589	0.698438	Fut8
ENSMUSG0ENSMUSG0	164.5113	-0.0916	0.113531	-0.80684	0.419759	0.81145	Atl1
ENSMUSG0ENSMUSG0	1238.977	-0.16675	0.084794	-1.96657	0.049233	0.358832	Sav1
ENSMUSG0ENSMUSG0	1679.045	-0.30424	0.091018	-3.34257	0.00083	0.033093	Nin
ENSMUSG0ENSMUSG0	228.2193	-0.0644	0.114581	-0.56207	0.574065	0.890304	Pygl
ENSMUSG0ENSMUSG0	780.1316	0.19759	0.14574	1.35577	0.175172	0.617729	Trim9
ENSMUSG0ENSMUSG0	6035.179	0.102502	0.094066	1.089682	0.275853	0.717658	Tmx1
ENSMUSG0ENSMUSG0	4426.961	0.103251	0.086887	1.188333	0.234702	0.68322	Actr10
ENSMUSG0ENSMUSG0	898.7743	0.162418	0.103536	1.568699	0.116718	0.526038	Timm9
ENSMUSG0ENSMUSG0	285.0172	-0.05757	0.145394	-0.39594	0.692146	0.931991	Serpina3n
ENSMUSG0ENSMUSG0	1094.876	-0.0261	0.143183	-0.18231	0.855336	0.970971	Dhrs7
ENSMUSG0ENSMUSG0	1925.71	-0.12517	0.074507	-1.67992	0.092972	0.477985	Ppm1a
ENSMUSG0ENSMUSG0	121.6268	-0.53125	0.12426	-4.27531	1.91E-05	0.002362	Clmn
ENSMUSG0ENSMUSG0	1202.73	0.057724	0.098151	0.588117	0.556454	0.882676	GlrX5
ENSMUSG0ENSMUSG0	576.8516	-0.03006	0.091888	-0.32716	0.743544	0.940717	Mnat1
ENSMUSG0ENSMUSG0	1668.715	-0.04492	0.125251	-0.35866	0.719848	0.936421	Hif1a
ENSMUSG0ENSMUSG0	6023.415	0.031018	0.068921	0.45005	0.652674	0.919812	Papola
ENSMUSG0ENSMUSG0	658.2301	0.185975	0.09271	2.005982	0.044858	0.342248	Mpp5
ENSMUSG0ENSMUSG0	592.2487	0.102227	0.078163	1.307874	0.190916	0.638189	Snappc1
ENSMUSG0ENSMUSG0	4547.026	0.039808	0.108023	0.368512	0.712491	0.935647	Atp6v1d
ENSMUSG0ENSMUSG0	4622.125	0.06188	0.109415	0.565555	0.571696	0.889585	Vrk1
ENSMUSG0ENSMUSG0	4013.727	0.163541	0.06333	2.58237	0.009812	0.151458	Eif2s1
ENSMUSG0ENSMUSG0	174.4695	-0.02835	0.127684	-0.22201	0.824308	0.961935	Plek2
ENSMUSG0ENSMUSG0	1092.396	0.014591	0.100989	0.144477	0.885124	0.977581	Pigh
ENSMUSG0ENSMUSG0	188.177	-0.05564	0.108083	-0.51482	0.606682	0.902972	Rdh12
ENSMUSG0ENSMUSG0	2527.634	0.18725	0.105431	1.776045	0.075726	0.437624	Vti1b
ENSMUSG0ENSMUSG0	118.4299	0.154792	0.143591	1.078006	0.281031	0.721619	Arg2
ENSMUSG0ENSMUSG0	3356.832	0.057496	0.092123	0.624128	0.532544	0.871405	Erh
ENSMUSG0ENSMUSG0	2858.979	-0.09672	0.066909	-1.44552	0.148312	0.580522	Susd6
ENSMUSG0ENSMUSG0	6839.873	-0.02683	0.080808	-0.33203	0.739869	0.940232	Srsf5
ENSMUSG0ENSMUSG0	638.6544	-0.00473	0.120343	-0.03932	0.968635	0.995539	Smoc1
ENSMUSG0ENSMUSG0	195.9685	0.170954	0.130433	1.310667	0.18997	0.637954	Gm20498
ENSMUSG0ENSMUSG0	2372.79	0.03677	0.087373	0.420837	0.673874	0.927575	Pcnx
ENSMUSG0ENSMUSG0	2182.628	0.044615	0.068783	0.648627	0.51658	0.863191	Pacs2

ENSMUSG0ENSMUSGC	1992.149	-0.10062	0.078248	-1.28594	0.198465	0.645341	Mta1
ENSMUSG0ENSMUSGC	1455.784	0.166153	0.097072	1.711644	0.086962	0.464219	Wdr37
ENSMUSG0ENSMUSGC	1482.252	0.160631	0.063412	2.533106	0.011306	0.164981	Gtpbp4
ENSMUSG0ENSMUSGC	3815.322	-0.04356	0.074189	-0.5872	0.557068	0.882863	Zmynd11
ENSMUSG0ENSMUSGC	2821.38	0.026482	0.077819	0.340308	0.733625	0.938791	Esyt2
ENSMUSG0ENSMUSGC	250.9045	-0.14429	0.144453	-0.99886	0.317862	0.750019	Cdca7l
ENSMUSG0ENSMUSGC	195.1629	0.136312	0.109382	1.246202	0.21269	0.662162	Efcab11
ENSMUSG0ENSMUSGC	688.4381	-0.00862	0.092935	-0.09278	0.926082	0.985705	Tdp1
ENSMUSG0ENSMUSGC	4655.532	0.094951	0.096472	0.984226	0.325004	0.754224	Psmc1
ENSMUSG0ENSMUSGC	516.478	0.051854	0.079862	0.649297	0.516147	0.863162	Nrde2
ENSMUSG0ENSMUSGC	650.6331	0.211694	0.116004	1.824889	0.068018	0.419139	Rps6ka5
ENSMUSG0ENSMUSGC	182.9016	-0.19809	0.141959	-1.39538	0.162901	0.601852	Ccdc88c
ENSMUSG0ENSMUSGC	91.22842	-0.56831	0.145564	-3.90419	9.45E-05	0.007713	Dglucy
ENSMUSG0ENSMUSGC	722.0623	0.476893	0.127621	3.736801	0.000186	0.012456	Fbln5
ENSMUSG0ENSMUSGC	165.4587	0.047985	0.135197	0.354929	0.722643	0.937706	Tc2n
ENSMUSG0ENSMUSGC	2069.07	0.028375	0.103408	0.274398	0.783779	0.95278	Trip11
ENSMUSG0ENSMUSGC	406.5458	-0.01424	0.109636	-0.1299	0.896642	0.98034	Atxn3
ENSMUSG0ENSMUSGC	5749.96	0.077459	0.107771	0.718735	0.472304	0.841403	Lgmn
ENSMUSG0ENSMUSGC	1686.377	-0.11614	0.095429	-1.21698	0.223613	0.673605	Golga5
ENSMUSG0ENSMUSGC	4866.028	0.094765	0.097333	0.973612	0.330249	0.757064	Pitrm1
ENSMUSG0ENSMUSGC	443442.9	-0.06135	0.078982	-0.77676	0.437299	0.819028	Chga
ENSMUSG0ENSMUSGC	11970.53	0.07837	0.144284	0.543165	0.587016	0.894311	Pfklp
ENSMUSG0ENSMUSGC	1235.735	0.084179	0.127717	0.659105	0.509828	0.859972	Unc79
ENSMUSG0ENSMUSGC	624.3898	0.047289	0.143959	0.328493	0.742539	0.940596	Otub2
ENSMUSG0ENSMUSGC	716.5527	0.062958	0.103085	0.610741	0.541371	0.874714	Ppp4r4
ENSMUSG0ENSMUSGC	2565.146	0.140161	0.097721	1.434299	0.151487	0.586255	Akr1c12
ENSMUSG0ENSMUSGC	2860.895	0.042474	0.100304	0.423449	0.671968	0.926477	Akr1c13
ENSMUSG0ENSMUSGC	40.42667	-0.06249	0.132246	-0.47253	0.636546	0.912525	Akr1c18
ENSMUSG0ENSMUSGC	2255.067	0.243168	0.08925	2.724582	0.006438	0.120196	Net1
ENSMUSG0ENSMUSGC	1259.866	0.092144	0.128356	0.71788	0.472831	0.841589	Tshz3
ENSMUSG0ENSMUSGC	14506.73	0.182557	0.056529	3.229466	0.00124	0.041922	Gdi2
ENSMUSG0ENSMUSGC	78.21769	0.19282	0.145981	1.320849	0.186552	0.632742	Dpf3
ENSMUSG0ENSMUSGC	389.0547	0.116009	0.135278	0.85756	0.391136	0.794949	Dcaf4
ENSMUSG0ENSMUSGC	585.0058	-0.06567	0.107349	-0.61171	0.540732	0.873998	Numb
ENSMUSG0ENSMUSGC	57.10108	-0.04884	0.140857	-0.34671	0.728808	0.938791	Acot2
ENSMUSG0ENSMUSGC	225.0855	0.275715	0.098831	2.789777	0.005274	0.107148	Fam161b
ENSMUSG0ENSMUSGC	923.5848	0.128059	0.082334	1.555365	0.119859	0.531869	Coq6
ENSMUSG0ENSMUSGC	1762.815	0.149272	0.066561	2.242633	0.024921	0.252067	Entpd5
ENSMUSG0ENSMUSGC	393.9765	0.063193	0.117931	0.535853	0.59206	0.895697	Aldh6a1
ENSMUSG0ENSMUSGC	216.4778	0.014043	0.092687	0.151511	0.879573	0.97663	Abcd4
ENSMUSG0ENSMUSGC	1277.775	0.066135	0.099748	0.663025	0.507315	0.85875	Isca2
ENSMUSG0ENSMUSGC	6409.811	0.094877	0.119193	0.795989	0.426038	0.81459	Npc2
ENSMUSG0ENSMUSGC	745.6397	0.146625	0.103796	1.412629	0.157765	0.596629	Fcf1
ENSMUSG0ENSMUSGC	2181.518	0.050611	0.070496	0.717935	0.472797	0.841589	Ylpm1
ENSMUSG0ENSMUSGC	760.9343	-0.04711	0.07957	-0.59202	0.553838	0.881128	Mlh3
ENSMUSG0ENSMUSGC	13483.32	0.080939	0.076072	1.063975	0.28734	0.727903	Tmed10
ENSMUSG0ENSMUSGC	609.5456	-0.16775	0.145176	-1.15547	0.247897	0.695559	Fos
ENSMUSG0ENSMUSGC	1414.872	0.114729	0.085792	1.337292	0.181127	0.626594	Erg28
ENSMUSG0ENSMUSGC	193.5603	-0.3143	0.103881	-3.02558	0.002482	0.067001	Tgfb3
ENSMUSG0ENSMUSGC	526.6454	-0.03418	0.105466	-0.32409	0.745871	0.941322	Gpatch2l
ENSMUSG0ENSMUSGC	317.094	-0.22495	0.133526	-1.68465	0.092056	0.476387	Vash1
ENSMUSG0ENSMUSGC	666.7487	-0.22976	0.088064	-2.60906	0.009079	0.145167	Angel1

ENSMUSG0ENSMUSG0	1649.413	0.173892	0.064204	2.708444	0.00676	0.123781	Ccnk
ENSMUSG0ENSMUSG0	139.649	-0.07658	0.121888	-0.62829	0.529817	0.869632	Cyp46a1
ENSMUSG0ENSMUSG0	2565.804	-0.00725	0.063873	-0.11358	0.909568	0.983116	Evl
ENSMUSG0ENSMUSG0	585.9174	0.310061	0.142082	2.182274	0.029089	0.273828	Degs2
ENSMUSG0ENSMUSG0	1842.578	0.066578	0.090096	0.738959	0.459932	0.832373	Yy1
ENSMUSG0ENSMUSG0	922.7098	0.223307	0.120282	1.856527	0.063378	0.405203	Slc25a29
ENSMUSG0ENSMUSG0	5882.823	0.084177	0.06826	1.233183	0.217507	0.668044	Wars
ENSMUSG0ENSMUSG0	1667.778	0.268585	0.14154	1.897589	0.05775	0.387719	Meg3
ENSMUSG0ENSMUSG0	33049.89	0.112501	0.0771	1.459165	0.14452	0.574285	Hsp90aa1
ENSMUSG0ENSMUSG0	424.7626	-0.16518	0.133537	-1.23699	0.21609	0.667088	Zfp839
ENSMUSG0ENSMUSG0	3063.259	0.34116	0.054968	6.206504	5.42E-10	6.58E-07	Fdft1
ENSMUSG0ENSMUSG0	981.6459	-0.0577	0.102612	-0.56231	0.573908	0.890266	Tecpr2
ENSMUSG0ENSMUSG0	1581.984	0.153922	0.071503	2.152659	0.031346	0.283872	Cinp
ENSMUSG0ENSMUSG0	1310.912	-0.01049	0.095855	-0.10945	0.912845	0.983954	Traf3
ENSMUSG0ENSMUSG0	2838.396	-0.03585	0.084862	-0.4224	0.672732	0.92689	Cdc42bpb
ENSMUSG0ENSMUSG0	8786.85	0.064333	0.081383	0.790496	0.429238	0.815457	Eif5
ENSMUSG0ENSMUSG0	1496.556	0.080303	0.099826	0.804432	0.421148	0.812025	Ppp1r13b
ENSMUSG0ENSMUSG0	752.6682	0.136461	0.089494	1.524809	0.127307	0.545944	Zfyve21
ENSMUSG0ENSMUSG0	785.0489	-0.00142	0.097339	-0.01455	0.988394	0.998397	Xrcc3
ENSMUSG0ENSMUSG0	5084.268	0.279747	0.082704	3.382514	0.000718	0.030003	Klc1
ENSMUSG0ENSMUSG0	3504.119	0.160161	0.105937	1.511849	0.130572	0.55076	2010107E0
ENSMUSG0ENSMUSG0	1020.186	0.072775	0.078631	0.925529	0.354691	0.774327	Ggps1
ENSMUSG0ENSMUSG0	3741.933	-0.16035	0.103842	-1.54417	0.122548	0.5355	Gng4
ENSMUSG0ENSMUSG0	707.7561	-0.03175	0.101932	-0.31149	0.755425	0.94451	Gpr137b
ENSMUSG0ENSMUSG0	430.3385	-0.02276	0.117159	-0.19428	0.845955	0.968351	Mtr
ENSMUSG0ENSMUSG0	221.0015	-0.16596	0.145967	-1.137	0.25554	0.701792	Ryr2
ENSMUSG0ENSMUSG0	1213.027	0.212758	0.088088	2.415297	0.015722	0.19678	Amph
ENSMUSG0ENSMUSG0	2331.785	0.084813	0.093794	0.904249	0.365864	0.782723	Trim27
ENSMUSG0ENSMUSG0	1554.127	-0.09973	0.085828	-1.16194	0.245261	0.693512	Zkscan3
ENSMUSG0ENSMUSG0	2586.745	0.27028	0.131748	2.051497	0.040219	0.325504	Scgn
ENSMUSG0ENSMUSG0	1073.011	0.109171	0.11915	0.91625	0.359536	0.777189	Carmil1
ENSMUSG0ENSMUSG0	465.8708	0.045643	0.11665	0.391284	0.695587	0.933115	Mrs2
ENSMUSG0ENSMUSG0	546.4371	-0.07253	0.121853	-0.59521	0.5517	0.880268	Gpld1
ENSMUSG0ENSMUSG0	1060.561	-0.06878	0.078518	-0.87593	0.381066	0.79028	Exoc2
ENSMUSG0ENSMUSG0	2161.218	-0.39067	0.078272	-4.9912	6.00E-07	0.000206	Gcnt2
ENSMUSG0ENSMUSG0	2776.583	0.014808	0.093381	0.158575	0.874004	0.97593	Tmem14c
ENSMUSG0ENSMUSG0	1229.294	-0.12836	0.113858	-1.12739	0.259578	0.704211	Nedd9
ENSMUSG0ENSMUSG0	1213.341	-0.13803	0.116022	-1.18968	0.234173	0.68322	Hivep1
ENSMUSG0ENSMUSG0	935.4265	-0.00416	0.125681	-0.03314	0.973566	0.995862	Tbc1d7
ENSMUSG0ENSMUSG0	1082.735	-0.08601	0.103498	-0.83099	0.405977	0.801957	Mcur1
ENSMUSG0ENSMUSG0	2190.89	-0.10827	0.096865	-1.11772	0.263685	0.706972	Nup153
ENSMUSG0ENSMUSG0	297.5599	0.003756	0.107605	0.034908	0.972153	0.995539	Kif13a
ENSMUSG0ENSMUSG0	167.2273	0.067215	0.125827	0.534186	0.593213	0.895885	Tpmt
ENSMUSG0ENSMUSG0	6971.431	0.113939	0.071735	1.588341	0.112209	0.51828	Dek
ENSMUSG0ENSMUSG0	336.4954	0.322317	0.128719	2.504034	0.012279	0.171688	Id4
ENSMUSG0ENSMUSG0	1445.856	0.11187	0.094649	1.181937	0.237231	0.685884	Ippk
ENSMUSG0ENSMUSG0	647.7974	0.043293	0.071357	0.606719	0.544038	0.875214	Cenpp
ENSMUSG0ENSMUSG0	951.6644	0.038478	0.102768	0.374418	0.708094	0.934791	Nol8
ENSMUSG0ENSMUSG0	1811.866	0.002961	0.070717	0.041872	0.966601	0.994967	Spin1
ENSMUSG0ENSMUSG0	2603.626	0.037151	0.069606	0.533734	0.593526	0.895952	Wrnip1
ENSMUSG0ENSMUSG0	1299.091	-0.10072	0.079352	-1.26924	0.204355	0.652499	Ripk1
ENSMUSG0ENSMUSG0	2062.396	-0.04976	0.10863	-0.45804	0.646924	0.917244	Prpf4b

ENSMUSG0ENSMUSGC	1587.871	-0.1	0.102026	-0.98018	0.326995	0.754362	Eci2
ENSMUSG0ENSMUSGC	244.3243	0.199742	0.132174	1.511205	0.130736	0.551105	Rpp40
ENSMUSG0ENSMUSGC	562.1277	0.092196	0.099236	0.929055	0.352861	0.773559	Fars2
ENSMUSG0ENSMUSGC	13776.51	0.095781	0.075572	1.267405	0.205011	0.653023	Ssr1
ENSMUSG0ENSMUSGC	739.6858	-0.05514	0.073881	-0.74638	0.455438	0.829671	Riok1
ENSMUSG0ENSMUSGC	997.0005	0.148719	0.086918	1.711013	0.087079	0.464287	Snrnp48
ENSMUSG0ENSMUSGC	386.3449	0.010633	0.103458	0.102773	0.918143	0.984843	Slc35b3
ENSMUSG0ENSMUSGC	933.6777	-0.1561	0.088126	-1.77133	0.076505	0.439093	Sema4d
ENSMUSG0ENSMUSGC	1516.785	-0.25242	0.107314	-2.3522	0.018663	0.2158	Gadd45g
ENSMUSG0ENSMUSGC	375.1985	0.027762	0.119673	0.231986	0.816549	0.959797	Fbp2
ENSMUSG0ENSMUSGC	61.45147	-0.19289	0.132771	-1.45281	0.146277	0.577121	Syk
ENSMUSG0ENSMUSGC	1258.26	0.001548	0.105406	0.014687	0.988281	0.998385	201011101
ENSMUSG0ENSMUSGC	1124.844	0.029813	0.088935	0.335217	0.737461	0.939837	Auh
ENSMUSG0ENSMUSGC	543.7591	0.265833	0.0935	2.843151	0.004467	0.097868	Fancc
ENSMUSG0ENSMUSGC	335.1784	0.059274	0.143664	0.412589	0.679908	0.928707	Ror2
ENSMUSG0ENSMUSGC	1927.846	-0.0584	0.116273	-0.50223	0.615507	0.906204	Ptch1
ENSMUSG0ENSMUSGC	1358.567	-0.03159	0.077918	-0.4054	0.685183	0.931173	Sptlc1
ENSMUSG0ENSMUSGC	1295.778	-0.11519	0.08882	-1.29683	0.194689	0.640278	Ercc6l2
ENSMUSG0ENSMUSGC	2464.179	0.135018	0.071454	1.88958	0.058814	0.391735	Sfxn1
ENSMUSG0ENSMUSGC	1499.137	0.058079	0.1037	0.56007	0.575432	0.890536	Habp4
ENSMUSG0ENSMUSGC	11969.55	-0.04128	0.088753	-0.46508	0.641873	0.914411	Ctsl
ENSMUSG0ENSMUSGC	854.1715	0.019256	0.100531	0.191538	0.848104	0.968775	Zfp346
ENSMUSG0ENSMUSGC	388.767	-0.10406	0.141603	-0.73486	0.462423	0.834621	Aaed1
ENSMUSG0ENSMUSGC	351.9178	0.073831	0.108746	0.678924	0.497186	0.853814	Cdk20
ENSMUSG0ENSMUSGC	7549.671	-0.04652	0.074347	-0.6257	0.531509	0.870719	Lman2
ENSMUSG0ENSMUSGC	1755.688	-0.00136	0.089835	-0.01514	0.987922	0.998385	Mxd3
ENSMUSG0ENSMUSGC	11170	0.019596	0.127293	0.153947	0.877651	0.976224	Prelid1
ENSMUSG0ENSMUSGC	2335.944	-0.091	0.084353	-1.07875	0.280697	0.721619	Nsd1
ENSMUSG0ENSMUSGC	1162.429	-0.22042	0.078418	-2.81085	0.004941	0.102719	Pdlim7
ENSMUSG0ENSMUSGC	3485.294	0.001477	0.070061	0.021088	0.983176	0.997428	Ddx41
ENSMUSG0ENSMUSGC	1721.841	-0.2148	0.073101	-2.9384	0.003299	0.080621	Fam193b
ENSMUSG0ENSMUSGC	410.8464	-0.09252	0.143611	-0.64421	0.519437	0.86478	Pcbd2
ENSMUSG0ENSMUSGC	3092.221	0.024653	0.067512	0.365166	0.714988	0.935647	Txndc15
ENSMUSG0ENSMUSGC	2828.599	0.02645	0.093115	0.28406	0.776364	0.950382	Ddx46
ENSMUSG0ENSMUSGC	1025.125	0.156034	0.088432	1.764446	0.077657	0.441948	Caml
ENSMUSG0ENSMUSGC	527.3874	-0.06332	0.097328	-0.65055	0.51534	0.862902	B4galt7
ENSMUSG0ENSMUSGC	423.0993	0.088574	0.105621	0.838599	0.401694	0.79975	Zfp729a
ENSMUSG0ENSMUSGC	129.1687	-0.11537	0.125179	-0.92162	0.356728	0.775222	Zfp369
ENSMUSG0ENSMUSGC	2986.436	0.117432	0.068312	1.719049	0.085605	0.461221	Ptdss1
ENSMUSG0ENSMUSGC	1260.145	-0.00514	0.069024	-0.07446	0.940642	0.988134	Mterf3
ENSMUSG0ENSMUSGC	4669.985	0.128897	0.103492	1.245478	0.212956	0.662162	Uqcrb
ENSMUSG0ENSMUSGC	666.2098	-0.02405	0.079812	-0.30128	0.763199	0.946679	Fastkd3
ENSMUSG0ENSMUSGC	66.999	-0.31431	0.139704	-2.24984	0.024459	0.249486	1700001L1
ENSMUSG0ENSMUSGC	1570.108	-0.03601	0.096348	-0.3737	0.708628	0.934791	Cetn3
ENSMUSG0ENSMUSGC	1812.441	-0.10171	0.083058	-1.22452	0.220757	0.671412	Smad5
ENSMUSG0ENSMUSGC	19117.82	-0.00878	0.068878	-0.1274	0.898621	0.981094	Hnrnpk
ENSMUSG0ENSMUSGC	1345.881	0.0772	0.066396	1.162716	0.244945	0.693512	Ccnh
ENSMUSG0ENSMUSGC	1730.79	0.114628	0.064891	1.766462	0.077318	0.440731	Rasa1
ENSMUSG0ENSMUSGC	1147.314	-0.07671	0.118565	-0.64699	0.517639	0.863938	2210016F1
ENSMUSG0ENSMUSGC	732.0209	-0.07278	0.078367	-0.92866	0.353067	0.773559	Gkap1
ENSMUSG0ENSMUSGC	1969.044	0.236828	0.101122	2.342006	0.01918	0.218112	Naa35
ENSMUSG0ENSMUSGC	896.3397	-0.42413	0.095111	-4.45928	8.22E-06	0.001428	Golm1

ENSMUSG0ENSMUSG0	2242.74	0.185096	0.109253	1.694197	0.090228	0.472999	Agtbbp1
ENSMUSG0ENSMUSG0	383.0532	0.008321	0.139736	0.059545	0.952518	0.992357	Dapk1
ENSMUSG0ENSMUSG0	200.835	-0.07661	0.142981	-0.53582	0.592082	0.895697	Slc6a19
ENSMUSG0ENSMUSG0	558.4273	0.147566	0.077234	1.910623	0.056053	0.382862	Trip13
ENSMUSG0ENSMUSG0	229.0471	-0.21649	0.089392	-2.42179	0.015444	0.194391	Cep72
ENSMUSG0ENSMUSG0	2188.142	0.01127	0.075028	0.150204	0.880604	0.97663	Pdcd6
ENSMUSG0ENSMUSG0	8299.326	0.186841	0.050047	3.73334	0.000189	0.012498	Sdha
ENSMUSG0ENSMUSG0	2440.549	-0.00259	0.131648	-0.01964	0.984334	0.997439	Ccdc127
ENSMUSG0ENSMUSG0	1010.095	-0.27759	0.110872	-2.50365	0.012292	0.171688	Erap1
ENSMUSG0ENSMUSG0	866.41	-0.01922	0.085047	-0.22599	0.821208	0.960727	Cast
ENSMUSG0ENSMUSG0	40105.43	0.095889	0.113022	0.848416	0.396206	0.797159	Pcsk1
ENSMUSG0ENSMUSG0	771.6816	-0.07061	0.071449	-0.98832	0.322995	0.752434	Rhobtb3
ENSMUSG0ENSMUSG0	2708.136	0.261234	0.112745	2.317031	0.020502	0.226675	Glrx
ENSMUSG0ENSMUSG0	177.5125	-0.15234	0.136268	-1.11794	0.263593	0.706952	Arsk
ENSMUSG0ENSMUSG0	469.2022	0.374879	0.128805	2.910452	0.003609	0.085234	Srd5a1
ENSMUSG0ENSMUSG0	3006.894	0.146588	0.076351	1.919938	0.054866	0.378818	Nsun2
ENSMUSG0ENSMUSG0	1046.863	0.012075	0.096711	0.124858	0.900636	0.981243	Slf1
ENSMUSG0ENSMUSG0	1039.832	0.095523	0.110287	0.866136	0.386416	0.792576	Med10
ENSMUSG0ENSMUSG0	1974.444	0.072994	0.112189	0.650633	0.515284	0.862902	Ndufs6
ENSMUSG0ENSMUSG0	1014.536	-0.07592	0.104171	-0.7288	0.466122	0.836799	Mrpl36
ENSMUSG0ENSMUSG0	2046.914	0.191093	0.077033	2.480667	0.013114	0.178686	Lpcat1
ENSMUSG0ENSMUSG0	5336.795	-0.03594	0.063819	-0.56312	0.573356	0.890076	Clptm1
ENSMUSG0ENSMUSG0	106.4203	-0.03071	0.145189	-0.21153	0.832477	0.963856	Tert
ENSMUSG0ENSMUSG0	334.4896	-0.13929	0.1308	-1.06494	0.286901	0.727292	Hapln1
ENSMUSG0ENSMUSG0	42.50914	-0.07376	0.130846	-0.5637	0.57296	0.889998	Vcan
ENSMUSG0ENSMUSG0	416.7415	0.077714	0.118744	0.654463	0.512814	0.861822	Xrcc4
ENSMUSG0ENSMUSG0	365.0394	0.012512	0.131042	0.095478	0.923935	0.985705	Atg10
ENSMUSG0ENSMUSG0	791.2968	-0.05797	0.101335	-0.57203	0.5673	0.888146	Zcchc9
ENSMUSG0ENSMUSG0	3400.238	-0.07319	0.076008	-0.96291	0.335592	0.759008	Slc30a5
ENSMUSG0ENSMUSG0	1358.64	-0.02317	0.072592	-0.31913	0.74963	0.942352	Rad17
ENSMUSG0ENSMUSG0	465.3827	-0.15186	0.098254	-1.54562	0.122196	0.535362	Marveld2
ENSMUSG0ENSMUSG0	137.7507	-0.34967	0.139807	-2.50108	0.012382	0.1724	Ocln
ENSMUSG0ENSMUSG0	686.8175	0.086252	0.124652	0.691945	0.488972	0.850627	Gtf2h2
ENSMUSG0ENSMUSG0	321.4086	0.109045	0.115053	0.947785	0.343239	0.765528	Serf1
ENSMUSG0ENSMUSG0	797.0003	0.035173	0.081994	0.42897	0.667945	0.925067	Smn1
ENSMUSG0ENSMUSG0	552.9985	0.034267	0.100928	0.339516	0.734221	0.938791	Mccc2
ENSMUSG0ENSMUSG0	247.4897	-0.47777	0.132601	-3.60305	0.000315	0.017517	Cartpt
ENSMUSG0ENSMUSG0	1006.594	0.043915	0.079307	0.553736	0.57976	0.892779	Ptcd2
ENSMUSG0ENSMUSG0	6686.853	0.093967	0.090254	1.04114	0.297811	0.736237	Btf3
ENSMUSG0ENSMUSG0	864.0431	0.034608	0.082592	0.419024	0.675199	0.927604	Ankra2
ENSMUSG0ENSMUSG0	1668.874	-0.28703	0.131276	-2.18643	0.028784	0.272686	Hexb
ENSMUSG0ENSMUSG0	1110.714	-0.1022	0.076781	-1.33111	0.183154	0.630008	Gfm2
ENSMUSG0ENSMUSG0	442.1749	0.094649	0.091348	1.036135	0.300139	0.738416	Polk
ENSMUSG0ENSMUSG0	1467.421	0.136176	0.085164	1.598977	0.109826	0.513121	Col4a3bp
ENSMUSG0ENSMUSG0	4022.244	0.141567	0.118008	1.19964	0.230279	0.680403	Hmgcr
ENSMUSG0ENSMUSG0	741.7876	-0.01914	0.096222	-0.19894	0.842309	0.967032	Poc5
ENSMUSG0ENSMUSG0	2413.172	-0.02568	0.141482	-0.1815	0.855974	0.971291	Iqgap2
ENSMUSG0ENSMUSG0	591.0878	-0.10807	0.120212	-0.89904	0.368634	0.784563	F2rl1
ENSMUSG0ENSMUSG0	166.804	0.407363	0.111326	3.659188	0.000253	0.015152	S100z
ENSMUSG0ENSMUSG0	1696.28	0.005295	0.095431	0.055482	0.955755	0.992734	Aggf1
ENSMUSG0ENSMUSG0	1962.747	-0.00396	0.071217	-0.05561	0.95565	0.992709	Ap3b1
ENSMUSG0ENSMUSG0	2885.534	0.083227	0.056585	1.470838	0.141335	0.571236	Scamp1

ENSMUSG0ENSMUSGC	818.7455	-0.00707	0.143027	-0.04946	0.960551	0.993938	Jmy
ENSMUSG0ENSMUSGC	580.7242	0.02625	0.08152	0.322006	0.747448	0.942076	Dimt1
ENSMUSG0ENSMUSGC	1874.971	0.079868	0.089142	0.895957	0.370276	0.785063	Kif2a
ENSMUSG0ENSMUSGC	252.9394	0.001347	0.102355	0.013164	0.989497	0.998539	Ercc8
ENSMUSG0ENSMUSGC	985.8183	0.035874	0.096268	0.372649	0.70941	0.934929	Elovl7
ENSMUSG0ENSMUSGC	348.9646	0.041153	0.0871	0.472473	0.63659	0.912525	Depdc1b
ENSMUSG0ENSMUSGC	423.4947	-0.02063	0.10547	-0.19558	0.844938	0.967714	Pde4d
ENSMUSG0ENSMUSGC	78.27389	0.037957	0.143936	0.26371	0.792004	0.954704	Plk2
ENSMUSG0ENSMUSGC	166.0428	-0.18404	0.125719	-1.46387	0.14323	0.572261	Serinc5
ENSMUSG0ENSMUSGC	644.7384	0.035068	0.097534	0.359541	0.71919	0.936235	Mtx3
ENSMUSG0ENSMUSGC	530.6806	0.100432	0.102185	0.982848	0.325682	0.754238	Zfyve16
ENSMUSG0ENSMUSGC	2688.311	0.234032	0.092433	2.531912	0.011344	0.165004	Dhfr
ENSMUSG0ENSMUSGC	1787.312	0.01014	0.12337	0.082194	0.934492	0.986608	Rasgrf2
ENSMUSG0ENSMUSGC	1724.827	0.043652	0.116742	0.373922	0.708462	0.934791	Erbin
ENSMUSG0ENSMUSGC	292.9434	0.188391	0.087498	2.153078	0.031313	0.283766	Nln
ENSMUSG0ENSMUSGC	2310.76	0.200699	0.056078	3.57895	0.000345	0.018669	Trappc13
ENSMUSG0ENSMUSGC	754.6918	0.082279	0.109514	0.751313	0.452464	0.827486	Trim23
ENSMUSG0ENSMUSGC	494.1524	-0.15339	0.078093	-1.96414	0.049514	0.359509	Ppwd1
ENSMUSG0ENSMUSGC	1134.964	0.272942	0.086275	3.163625	0.001558	0.04838	Cenpk
ENSMUSG0ENSMUSGC	518.2237	0.151712	0.110593	1.371801	0.170125	0.611308	Cwc27
ENSMUSG0ENSMUSGC	394.8148	0.053702	0.1177	0.456265	0.648199	0.918345	Srek1ip1
ENSMUSG0ENSMUSGC	376.4294	-0.33199	0.10136	-3.27533	0.001055	0.038025	Rgs7bp
ENSMUSG0ENSMUSGC	42.81233	-0.21135	0.146005	-1.44757	0.147736	0.579628	Rnf180
ENSMUSG0ENSMUSGC	1204.303	-0.07965	0.094922	-0.83906	0.401437	0.79975	Parp8
ENSMUSG0ENSMUSGC	16588.95	0.329757	0.080423	4.100269	4.13E-05	0.004276	Emb
ENSMUSG0ENSMUSGC	905.5296	-0.10315	0.081917	-1.25915	0.207976	0.656088	Hcn1
ENSMUSG0ENSMUSGC	995.4911	0.061958	0.092527	0.669619	0.5031	0.856225	Mrps30
ENSMUSG0ENSMUSGC	3052.926	-0.02007	0.120472	-0.16658	0.8677	0.974473	Slc4a7
ENSMUSG0ENSMUSGC	4408.077	0.027343	0.068724	0.397862	0.690732	0.931679	Psmd6
ENSMUSG0ENSMUSGC	840.2399	-0.08427	0.110911	-0.7598	0.447374	0.824078	Atxn7
ENSMUSG0ENSMUSGC	186.5639	-0.10999	0.12487	-0.88085	0.378399	0.789109	Ptprg
ENSMUSG0ENSMUSGC	503.3449	-0.08385	0.08876	-0.9447	0.34481	0.766383	4930452B0
ENSMUSG0ENSMUSGC	4963.519	0.150682	0.081461	1.84974	0.064351	0.408831	Pdhhb
ENSMUSG0ENSMUSGC	41.12448	-0.28095	0.145427	-1.93188	0.053374	0.37491	Fam107a
ENSMUSG0ENSMUSGC	464.5956	0.043933	0.091051	0.48251	0.629444	0.910993	Kctd6
ENSMUSG0ENSMUSGC	528.2855	-0.07204	0.145906	-0.49374	0.621492	0.907988	Map3k1
ENSMUSG0ENSMUSGC	7724.11	0.106479	0.110251	0.965789	0.33415	0.759008	Il6st
ENSMUSG0ENSMUSGC	1061.171	-0.06833	0.134443	-0.50826	0.611272	0.904473	Plpp1
ENSMUSG0ENSMUSGC	2185.323	0.062136	0.110108	0.56432	0.572536	0.889939	Ndufs4
ENSMUSG0ENSMUSGC	482.8296	-0.07002	0.12133	-0.5771	0.563875	0.885572	Kat6b
ENSMUSG0ENSMUSGC	1567.239	0.060733	0.062611	0.970005	0.332044	0.758	Samd8
ENSMUSG0ENSMUSGC	7697.051	0.158879	0.064778	2.452678	0.01418	0.186006	Vdac2
ENSMUSG0ENSMUSGC	699.9634	0.171873	0.136635	1.2579	0.208428	0.656691	Nkiras1
ENSMUSG0ENSMUSGC	399.816	0.151735	0.141384	1.073212	0.283176	0.724275	Comtd1
ENSMUSG0ENSMUSGC	1556.147	0.075143	0.064694	1.161509	0.245435	0.693666	Ube2e1
ENSMUSG0ENSMUSGC	1764.235	-0.12072	0.120799	-0.99934	0.317629	0.750019	Nr1d2
ENSMUSG0ENSMUSGC	48.86616	0.00525	0.14597	0.035966	0.97131	0.995539	Thrb
ENSMUSG0ENSMUSGC	1788.09	0.163915	0.086011	1.905739	0.056684	0.384967	Dlg5
ENSMUSG0ENSMUSGC	642.8493	-0.12969	0.097903	-1.32469	0.185272	0.631891	Ngly1
ENSMUSG0ENSMUSGC	330.258	-0.06351	0.097659	-0.65033	0.515481	0.862923	Oxsm
ENSMUSG0ENSMUSGC	875.4497	0.096987	0.09369	1.035184	0.300583	0.738862	Fam213a
ENSMUSG0ENSMUSGC	4712.744	0.006801	0.070874	0.095954	0.923557	0.985705	Glud1

ENSMUSG0ENSMUSG0	2305.554	0.022148	0.075628	0.29285	0.769637	0.949297	Bmpr1a
ENSMUSG0ENSMUSG0	62.77139	-0.44959	0.138511	-3.24591	0.001171	0.040438	Ldb3
ENSMUSG0ENSMUSG0	22802.03	-0.01938	0.1167	-0.16611	0.868073	0.974513	Cdhr1
ENSMUSG0ENSMUSG0	3531.485	0.06271	0.093306	0.672094	0.501524	0.856225	Rtraf
ENSMUSG0ENSMUSG0	265.0776	0.106449	0.095281	1.117208	0.263905	0.706972	Nudt13
ENSMUSG0ENSMUSG0	2548.336	-0.21943	0.085146	-2.57705	0.009965	0.152925	Ecd
ENSMUSG0ENSMUSG0	4855.8	0.089817	0.072674	1.235878	0.216504	0.667111	Dnajc9
ENSMUSG0ENSMUSG0	1982.169	0.140449	0.074734	1.87933	0.060199	0.395792	Anxa7
ENSMUSG0ENSMUSG0	3922.107	0.046896	0.088767	0.528305	0.597287	0.89784	Ppp3cb
ENSMUSG0ENSMUSG0	4151.313	-0.00612	0.087952	-0.06954	0.944556	0.989441	Zswim8
ENSMUSG0ENSMUSG0	870.4482	0.083269	0.091809	0.906986	0.364414	0.781659	Camk2g
ENSMUSG0ENSMUSG0	2691.741	-0.00022	0.098062	-0.00226	0.998201	0.998981	Vcl
ENSMUSG0ENSMUSG0	2991.298	-0.0984	0.117365	-0.83842	0.401797	0.79975	Ap3m1
ENSMUSG0ENSMUSG0	2171.75	0.02405	0.065471	0.367341	0.713365	0.935647	Txndc16
ENSMUSG0ENSMUSG0	8230.538	-0.05684	0.142003	-0.40029	0.688943	0.931451	Ero1l
ENSMUSG0ENSMUSG0	3713.157	0.134764	0.068954	1.954412	0.050652	0.363626	Psmc6
ENSMUSG0ENSMUSG0	2627.806	0.139508	0.08173	1.706935	0.087834	0.466923	Mapk1ip1l
ENSMUSG0ENSMUSG0	2014.143	-0.0994	0.0864	-1.15042	0.249971	0.69699	Ktn1
ENSMUSG0ENSMUSG0	50.55342	-0.32344	0.145082	-2.22936	0.02579	0.256884	Slc35f4
ENSMUSG0ENSMUSG0	712.9566	-0.16478	0.115045	-1.43228	0.152063	0.587634	Anxa11
ENSMUSG0ENSMUSG0	289.3851	0.082155	0.1395	0.588928	0.555909	0.88219	Tmem254b
ENSMUSG0ENSMUSG0	1381.127	0.270251	0.092173	2.932002	0.003368	0.081304	Ppif
ENSMUSG0ENSMUSG0	1315.896	-0.10397	0.083361	-1.24726	0.212304	0.662162	Slmap
ENSMUSG0ENSMUSG0	2490.436	0.124232	0.080424	1.544715	0.122415	0.5355	Pnp
ENSMUSG0ENSMUSG0	12324.95	-0.07031	0.062437	-1.12606	0.260142	0.704211	Rnase4
ENSMUSG0ENSMUSG0	8697.878	0.147558	0.058681	2.514595	0.011917	0.169642	Arf4
ENSMUSG0ENSMUSG0	229.4383	0.10678	0.104271	1.024067	0.305804	0.741542	Hacl1
ENSMUSG0ENSMUSG0	3138.217	-0.16241	0.070824	-2.29321	0.021836	0.235508	Eaf1
ENSMUSG0ENSMUSG0	462.8923	-0.00874	0.084218	-0.1038	0.917326	0.984548	Mettl6
ENSMUSG0ENSMUSG0	68.20668	-0.17389	0.139924	-1.24276	0.213956	0.663981	Sh3bp5
ENSMUSG0ENSMUSG0	2411.295	0.056847	0.067067	0.847605	0.396658	0.797432	Capn7
ENSMUSG0ENSMUSG0	304.1863	0.036175	0.110007	0.328839	0.742277	0.940596	Arhgef3
ENSMUSG0ENSMUSG0	710.1405	0.109301	0.096923	1.127706	0.259444	0.704211	Btd
ENSMUSG0ENSMUSG0	3175.382	-0.15488	0.076884	-2.01439	0.043968	0.337833	Bap1
ENSMUSG0ENSMUSG0	245.783	-0.3068	0.119321	-2.57123	0.010134	0.154305	Phf7
ENSMUSG0ENSMUSG0	328.8844	0.09397	0.102222	0.919274	0.357952	0.776143	Sema3g
ENSMUSG0ENSMUSG0	1589.721	0.048128	0.107649	0.447082	0.654816	0.919908	Dph3
ENSMUSG0ENSMUSG0	825.035	0.057224	0.098537	0.580735	0.561419	0.884547	Oxnad1
ENSMUSG0ENSMUSG0	14074.61	0.019396	0.066143	0.293237	0.769341	0.949297	Nisch
ENSMUSG0ENSMUSG0	1183.979	-0.03579	0.064467	-0.5552	0.578757	0.892339	Parg
ENSMUSG0ENSMUSG0	4015.479	-0.16678	0.129267	-1.29023	0.196972	0.643523	Ogdhl
ENSMUSG0ENSMUSG0	1805.629	-0.23042	0.070568	-3.26526	0.001094	0.038969	Glt8d1
ENSMUSG0ENSMUSG0	7039.499	0.027452	0.08204	0.334616	0.737915	0.939958	Spcs1
ENSMUSG0ENSMUSG0	307.7164	-0.04351	0.11162	-0.38984	0.696654	0.933418	Nek4
ENSMUSG0ENSMUSG0	429.2174	-0.03966	0.140433	-0.28241	0.777626	0.950382	Ebpl
ENSMUSG0ENSMUSG0	2569.01	0.18964	0.090194	2.102582	0.035502	0.304596	Kpna3
ENSMUSG0ENSMUSG0	1645.683	0.011838	0.067505	0.175369	0.86079	0.972797	Spryd7
ENSMUSG0ENSMUSG0	1964.934	-0.01352	0.091684	-0.14747	0.882764	0.976958	Rnaseh2b
ENSMUSG0ENSMUSG0	1662.882	0.028762	0.094426	0.304596	0.760674	0.94605	Mapk8
ENSMUSG0ENSMUSG0	1038.031	0.148238	0.138909	1.067166	0.285897	0.726542	Pspc1
ENSMUSG0ENSMUSG0	22634.92	0.057826	0.094999	0.6087	0.542723	0.875214	Ctsb
ENSMUSG0ENSMUSG0	210.9711	0.008641	0.142035	0.060839	0.951488	0.992011	Gata4

ENSMUSG0ENSMUSGC	1799.032	0.013339	0.107135	0.124503	0.900917	0.981243	Zmym2
ENSMUSG0ENSMUSGC	273.1615	0.017044	0.145225	0.11736	0.906575	0.982338	Cryl1
ENSMUSG0ENSMUSGC	448.5794	-0.01512	0.124953	-0.12098	0.903705	0.98226	Prkcd
ENSMUSG0ENSMUSGC	574.6137	-0.0238	0.118666	-0.20056	0.841039	0.96667	Eef1akmt1
ENSMUSG0ENSMUSGC	429.9688	0.067802	0.128395	0.528071	0.59745	0.89784	Xpo4
ENSMUSG0ENSMUSGC	4637.367	0.125812	0.11084	1.13508	0.256342	0.702061	Tkt
ENSMUSG0ENSMUSGC	177.9797	-0.01844	0.109559	-0.16833	0.866324	0.974432	Pinx1
ENSMUSG0ENSMUSGC	108.8504	-0.15882	0.145604	-1.09075	0.275381	0.716915	Lats2
ENSMUSG0ENSMUSGC	726.116	0.004795	0.075667	0.063369	0.949473	0.991221	Dcp1a
ENSMUSG0ENSMUSGC	1672.898	0.067066	0.089317	0.750881	0.452725	0.827496	Sap18
ENSMUSG0ENSMUSGC	970.5202	0.131822	0.075968	1.735223	0.082701	0.454163	Ska3
ENSMUSG0ENSMUSGC	1574.362	0.061987	0.104979	0.590469	0.554876	0.881825	Mrpl57
ENSMUSG0ENSMUSGC	1612.707	-0.01773	0.05701	-0.31096	0.755827	0.944612	Zdhhc20
ENSMUSG0ENSMUSGC	1050.032	0.02991	0.099252	0.301358	0.763142	0.946679	Hmbox1
ENSMUSG0ENSMUSGC	2131.484	0.040237	0.118613	0.339225	0.73444	0.938791	Micu2
ENSMUSG0ENSMUSGC	168.963	-0.21493	0.14329	-1.49997	0.133623	0.556757	Fgf9
ENSMUSG0ENSMUSGC	625.0291	0.121171	0.068548	1.767674	0.077115	0.440137	Ints9
ENSMUSG0ENSMUSGC	1324.273	0.091385	0.097195	0.940224	0.347103	0.768692	Extl3
ENSMUSG0ENSMUSGC	1178.588	0.064859	0.093984	0.690108	0.490126	0.851509	Cab39l
ENSMUSG0ENSMUSGC	740.9922	-0.12625	0.068862	-1.8334	0.066743	0.415042	Cdadcl
ENSMUSG0ENSMUSGC	108.7281	-0.01048	0.132139	-0.07928	0.936813	0.986886	Amer2
ENSMUSG0ENSMUSGC	2644.044	0.032612	0.073541	0.443454	0.657438	0.921426	Mtmr6
ENSMUSG0ENSMUSGC	172.2648	0.070355	0.119273	0.58987	0.555278	0.881939	Spata13
ENSMUSG0ENSMUSGC	633.3087	0.10204	0.10027	1.017657	0.308841	0.743404	Mipep
ENSMUSG0ENSMUSGC	256.4967	-0.13043	0.121445	-1.07395	0.282845	0.72389	Wnt5a
ENSMUSG0ENSMUSGC	4166.084	0.160471	0.096726	1.659036	0.097109	0.487088	Esd
ENSMUSG0ENSMUSGC	996.6805	-0.12324	0.068069	-1.81053	0.070214	0.42398	Zc3h13
ENSMUSG0ENSMUSGC	106.4474	-0.06971	0.144862	-0.48121	0.630364	0.911457	Slc25a30
ENSMUSG0ENSMUSGC	940.8286	-0.17573	0.06746	-2.60497	0.009188	0.146386	Gpalpp1
ENSMUSG0ENSMUSGC	711.1337	0.117143	0.07914	1.480194	0.138822	0.566965	Nufip1
ENSMUSG0ENSMUSGC	8646.921	-0.16497	0.115737	-1.42541	0.15404	0.590874	Tsc22d1
ENSMUSG0ENSMUSGC	265.5337	-0.31324	0.105872	-2.9587	0.003089	0.076901	Enox1
ENSMUSG0ENSMUSGC	1060.688	0.209576	0.102998	2.034744	0.041877	0.332383	Dnajc15
ENSMUSG0ENSMUSGC	3583.554	0.01148	0.102339	0.112175	0.910685	0.983347	Akap11
ENSMUSG0ENSMUSGC	36.76344	-0.15781	0.142476	-1.10763	0.26802	0.711565	Rgcc
ENSMUSG0ENSMUSGC	557.9679	0.010368	0.108623	0.095446	0.92396	0.985705	Tdrd3
ENSMUSG0ENSMUSGC	619.2087	-0.09677	0.124029	-0.78024	0.435249	0.818034	Naa16
ENSMUSG0ENSMUSGC	1119.744	0.2283	0.085122	2.682021	0.007318	0.129904	Diaph3
ENSMUSG0ENSMUSGC	259.0137	-0.10167	0.122471	-0.83017	0.406441	0.801957	Mtrf1
ENSMUSG0ENSMUSGC	1470.877	0.068777	0.063802	1.077971	0.281046	0.721619	Wbp4
ENSMUSG0ENSMUSGC	1552.967	0.235882	0.092354	2.554115	0.010646	0.159172	Sugt1
ENSMUSG0ENSMUSGC	4052.915	0.043267	0.067399	0.641953	0.520904	0.86582	Elp3
ENSMUSG0ENSMUSGC	8023.493	0.052237	0.087167	0.599272	0.548992	0.878216	Pbk
ENSMUSG0ENSMUSGC	1380.631	0.0459	0.121375	0.378164	0.705309	0.934791	Esco2
ENSMUSG0ENSMUSGC	1509.553	0.09231	0.071425	1.29242	0.196212	0.642362	Ccdc25
ENSMUSG0ENSMUSGC	3947.242	-0.19666	0.144422	-1.3617	0.173292	0.615486	Clu
ENSMUSG0ENSMUSGC	7621.783	0.136159	0.085125	1.599515	0.109706	0.512855	Trim35
ENSMUSG0ENSMUSGC	235.8793	-0.09437	0.130333	-0.72404	0.46904	0.839347	Stmn4
ENSMUSG0ENSMUSGC	4030.408	0.244719	0.093054	2.629856	0.008542	0.140619	Dpysl2
ENSMUSG0ENSMUSGC	4688.983	0.027087	0.140547	0.192725	0.847174	0.968351	Bnip3l
ENSMUSG0ENSMUSGC	2143.701	0.144282	0.061264	2.35509	0.018518	0.214873	Ppp2r2a
ENSMUSG0ENSMUSGC	18736.88	0.101906	0.145031	0.702648	0.482275	0.846451	Nefm

ENSMUSG0ENSMUSG0	16120.01	0.236103	0.079284	2.977949	0.002902	0.073722	Nefl
ENSMUSG0ENSMUSG0	369.5909	0.008008	0.089332	0.08964	0.928573	0.985705	Pibf1
ENSMUSG0ENSMUSG0	998.6314	-0.43552	0.088509	-4.92067	8.62E-07	0.000256	Entpd4b
ENSMUSG0ENSMUSG0	969.8826	0.017586	0.110498	0.159152	0.873549	0.97593	Bora
ENSMUSG0ENSMUSG0	60.20683	-0.04809	0.1454	-0.33074	0.74084	0.940437	Tnfrsf10b
ENSMUSG0ENSMUSG0	694.7254	-0.12544	0.095336	-1.31574	0.188261	0.635637	Rhobtb2
ENSMUSG0ENSMUSG0	898.7343	-0.09708	0.089898	-1.07993	0.280174	0.72136	Klhl1
ENSMUSG0ENSMUSG0	534.966	-0.13419	0.105121	-1.27655	0.201763	0.649558	Bin3
ENSMUSG0ENSMUSG0	333.8951	-0.16617	0.138263	-1.20181	0.229436	0.679572	Ppp3cc
ENSMUSG0ENSMUSG0	788.6989	-0.00721	0.121653	-0.05925	0.952751	0.992357	Slc39a14
ENSMUSG0ENSMUSG0	681.4182	-0.00379	0.076059	-0.04987	0.960225	0.993839	Fam160b2
ENSMUSG0ENSMUSG0	5975.112	-0.1582	0.074853	-2.11342	0.034565	0.30086	Bmp1
ENSMUSG0ENSMUSG0	75.8911	0.426337	0.137703	3.096062	0.001961	0.056133	Dmtn
ENSMUSG0ENSMUSG0	2932.733	0.082979	0.08199	1.012055	0.311512	0.745302	Xpo7
ENSMUSG0ENSMUSG0	1807.669	0.019353	0.095804	0.20201	0.839909	0.966267	Rb1
ENSMUSG0ENSMUSG0	1004.008	-0.04493	0.130535	-0.34418	0.730711	0.938791	Rcbtb2
ENSMUSG0ENSMUSG0	9621.83	-0.09044	0.121198	-0.74618	0.455559	0.829671	Itm2b
ENSMUSG0ENSMUSG0	861.0344	0.047463	0.086545	0.548417	0.583405	0.892957	Med4
ENSMUSG0ENSMUSG0	2803.736	0.096868	0.069527	1.393246	0.163546	0.602567	Sucla2
ENSMUSG0ENSMUSG0	1654.407	0.163862	0.075648	2.16611	0.030303	0.27935	Uchl3
ENSMUSG0ENSMUSG0	234.5249	-0.22777	0.128394	-1.77399	0.076065	0.438116	Spry2
ENSMUSG0ENSMUSG0	1372.704	0.122843	0.086189	1.425279	0.154076	0.590874	Rbm26
ENSMUSG0ENSMUSG0	571.3228	-0.05937	0.079605	-0.74577	0.455809	0.829671	Rnf219
ENSMUSG0ENSMUSG0	997.1769	0.481811	0.102063	4.720741	2.35E-06	0.000548	Scel
ENSMUSG0ENSMUSG0	1252.763	-0.13656	0.126008	-1.08374	0.278482	0.720552	Fbxl3
ENSMUSG0ENSMUSG0	1436.483	-0.15402	0.120794	-1.27503	0.202298	0.650197	Cln5
ENSMUSG0ENSMUSG0	440.6586	-0.01889	0.090759	-0.20814	0.835118	0.964908	Tgds
ENSMUSG0ENSMUSG0	1486.038	-0.0645	0.082042	-0.78623	0.431731	0.816305	Gpr180
ENSMUSG0ENSMUSG0	5502.778	0.027231	0.108498	0.250982	0.801828	0.95676	Dnajc3
ENSMUSG0ENSMUSG0	3019.158	0.122583	0.120677	1.0158	0.309725	0.743963	Mbnl2
ENSMUSG0ENSMUSG0	1576.402	-0.01135	0.106968	-0.10609	0.915509	0.984522	Nipbl
ENSMUSG0ENSMUSG0	2570.878	0.047416	0.090591	0.52341	0.600689	0.89918	Nup155
ENSMUSG0ENSMUSG0	687.4094	0.032051	0.088324	0.362875	0.716699	0.93588	Ttc33
ENSMUSG0ENSMUSG0	435.0578	-0.06498	0.095682	-0.67912	0.497064	0.853814	Rab2b
ENSMUSG0ENSMUSG0	747.6603	0.149818	0.090708	1.651654	0.098605	0.490529	Mettl3
ENSMUSG0ENSMUSG0	7307.079	0.118828	0.089821	1.322945	0.185854	0.631978	Dad1
ENSMUSG0ENSMUSG0	4441.842	-0.13727	0.068144	-2.01435	0.043973	0.337833	Lrp10
ENSMUSG0ENSMUSG0	387.3284	-0.10287	0.103806	-0.99102	0.321674	0.751751	Rem2
ENSMUSG0ENSMUSG0	1349.941	-0.02115	0.0883	-0.23956	0.81067	0.95838	Haus4
ENSMUSG0ENSMUSG0	371.8371	-0.06417	0.091941	-0.698	0.48518	0.848425	4931414P1
ENSMUSG0ENSMUSG0	2810.582	-0.05944	0.124158	-0.47877	0.632105	0.911472	Slc7a8
ENSMUSG0ENSMUSG0	343.2006	-0.1231	0.099058	-1.24266	0.213992	0.663981	Fbxo4
ENSMUSG0ENSMUSG0	5448.362	0.035953	0.065723	0.547041	0.584351	0.893087	Acin1
ENSMUSG0ENSMUSG0	8706.213	0.140092	0.058109	2.41085	0.015915	0.197715	Oxct1
ENSMUSG0ENSMUSG0	1966.348	0.06767	0.076412	0.885589	0.375839	0.78793	Drosha
ENSMUSG0ENSMUSG0	4546.682	0.140739	0.094692	1.486282	0.137205	0.564225	Psmb5
ENSMUSG0ENSMUSG0	2657.835	0.109198	0.07697	1.418711	0.155983	0.594364	Pabpn1
ENSMUSG0ENSMUSG0	1004.294	-0.38906	0.074552	-5.2186	1.80E-07	8.61E-05	6030458C1
ENSMUSG0ENSMUSG0	60.09182	0.070116	0.140775	0.49807	0.618435	0.907335	Pdzd2
ENSMUSG0ENSMUSG0	1477.383	-0.19157	0.100788	-1.90075	0.057334	0.386285	Slc22a17
ENSMUSG0ENSMUSG0	3787.326	0.012491	0.09641	0.12956	0.896915	0.98034	Golph3
ENSMUSG0ENSMUSG0	3899.601	0.023104	0.081771	0.28255	0.777522	0.950382	Zfr

ENSMUSG0ENSMUSGC	1373.088	0.161005	0.0899	1.790942	0.073303	0.431177	Ngdn
ENSMUSG0ENSMUSGC	4537.204	0.120732	0.083932	1.438456	0.150305	0.583809	Sub1
ENSMUSG0ENSMUSGC	128.6059	0.07817	0.144558	0.540754	0.588677	0.894696	Jph4
ENSMUSG0ENSMUSGC	2244.744	0.05364	0.085806	0.625133	0.531884	0.870752	Dhrs4
ENSMUSG0ENSMUSGC	3082.406	0.036858	0.076405	0.482397	0.629524	0.910993	Carmil3
ENSMUSG0ENSMUSGC	3716.834	-0.05043	0.070485	-0.71546	0.474325	0.842005	Dcaf11
ENSMUSG0ENSMUSGC	2172.439	0.164066	0.132718	1.236203	0.216383	0.667111	Psme1
ENSMUSG0ENSMUSGC	335.7739	0.078911	0.115003	0.686166	0.492608	0.852803	Emc9
ENSMUSG0ENSMUSGC	2633.866	-0.07257	0.075261	-0.96422	0.334934	0.759008	Sdr39u1
ENSMUSG0ENSMUSGC	1760.095	-0.10663	0.133465	-0.79893	0.424332	0.813996	Zscan26
ENSMUSG0ENSMUSGC	325.6441	-0.23018	0.135866	-1.69417	0.090233	0.472999	Sema5a
ENSMUSG0ENSMUSGC	11946.37	0.149554	0.059194	2.526511	0.01152	0.166296	Cct5
ENSMUSG0ENSMUSGC	552.8076	0.136457	0.145948	0.934966	0.349806	0.771455	Cmb1
ENSMUSG0ENSMUSGC	157.0844	0.002457	0.137118	0.01792	0.985703	0.997871	Ropn1l
ENSMUSG0ENSMUSGC	1368.727	-0.07938	0.074811	-1.06108	0.288654	0.728621	Ankrd33b
ENSMUSG0ENSMUSGC	1161.321	-0.0554	0.077501	-0.71477	0.47475	0.842201	Ctnnd2
ENSMUSG0ENSMUSGC	3047.484	0.097605	0.123467	0.790532	0.429217	0.815457	Tars
ENSMUSG0ENSMUSGC	317.7164	0.021807	0.107947	0.202017	0.839904	0.966267	Amacr
ENSMUSG0ENSMUSGC	55.49751	-0.22988	0.135839	-1.69226	0.090596	0.473414	Skor1
ENSMUSG0ENSMUSGC	1450.429	0.050654	0.105115	0.481892	0.629882	0.911216	Brix1
ENSMUSG0ENSMUSGC	628.0392	-0.03143	0.092966	-0.33808	0.735301	0.938791	Rad1
ENSMUSG0ENSMUSGC	509.2599	0.039661	0.141686	0.27992	0.779539	0.951422	Nadk2
ENSMUSG0ENSMUSGC	2102.616	0.047646	0.068147	0.699171	0.484445	0.848425	Mtdh
ENSMUSG0ENSMUSGC	1629.751	-0.17139	0.100851	-1.69946	0.089233	0.470525	Laptm4b
ENSMUSG0ENSMUSGC	1793.506	0.016107	0.084766	0.190019	0.849294	0.96914	Sdc2
ENSMUSG0ENSMUSGC	2257.044	0.02001	0.132452	0.151075	0.879917	0.97663	Trio
ENSMUSG0ENSMUSGC	8316.053	0.140638	0.091025	1.545047	0.122335	0.5355	Ank
ENSMUSG0ENSMUSGC	400.6924	-0.08835	0.137821	-0.64108	0.52147	0.86633	Mar-11
ENSMUSG0ENSMUSGC	561.8995	-0.1219	0.120964	-1.00773	0.313584	0.74718	Retreg1
ENSMUSG0ENSMUSGC	819.2134	-0.09809	0.085144	-1.152	0.24932	0.696085	Myo10
ENSMUSG0ENSMUSGC	1380.92	0.02737	0.075435	0.362825	0.716736	0.93588	Rnf19a
ENSMUSG0ENSMUSGC	15956.89	0.152817	0.106387	1.436426	0.150881	0.584757	Pabpc1
ENSMUSG0ENSMUSGC	16359	0.12059	0.106241	1.135059	0.256351	0.702061	Ywhaz
ENSMUSG0ENSMUSGC	678.843	-0.00145	0.109912	-0.01322	0.989456	0.998539	Rrm2b
ENSMUSG0ENSMUSGC	4491.008	0.09068	0.074533	1.216629	0.223746	0.673605	Atp6v1c1
ENSMUSG0ENSMUSGC	269.1034	-0.06839	0.137585	-0.49705	0.619154	0.907335	Fzd6
ENSMUSG0ENSMUSGC	130.39	0.114297	0.107323	1.06498	0.286885	0.727292	Slc25a32
ENSMUSG0ENSMUSGC	630.1751	0.183867	0.116883	1.573087	0.115699	0.524253	Dcaf13
ENSMUSG0ENSMUSGC	1561.705	0.034318	0.11994	0.286128	0.77478	0.950049	Lrp12
ENSMUSG0ENSMUSGC	836.1266	-0.05079	0.101729	-0.49924	0.617608	0.907005	Oxr1
ENSMUSG0ENSMUSGC	41.73436	-0.26484	0.144826	-1.82869	0.067446	0.417181	Csmd3
ENSMUSG0ENSMUSGC	6508.651	0.058507	0.082857	0.70613	0.480107	0.846202	Eif3h
ENSMUSG0ENSMUSGC	470.0864	-0.03145	0.109636	-0.2869	0.774189	0.949821	Utp23
ENSMUSG0ENSMUSGC	12877.5	-0.04492	0.079428	-0.56555	0.571701	0.889585	Rad21
ENSMUSG0ENSMUSGC	18047.16	-0.01259	0.060075	-0.2095	0.834061	0.964464	Slc30a8
ENSMUSG0ENSMUSGC	38.48521	0.00854	0.145337	0.058758	0.953145	0.992357	Cdh10
ENSMUSG0ENSMUSGC	1850.312	0.138134	0.062244	2.219217	0.026472	0.259612	Shcbp1
ENSMUSG0ENSMUSGC	254.8903	0.28508	0.098709	2.888099	0.003876	0.089633	Rida
ENSMUSG0ENSMUSGC	163.2333	-0.15554	0.142515	-1.09142	0.275088	0.716915	Matn2
ENSMUSG0ENSMUSGC	424.5708	-0.0669	0.134044	-0.49911	0.617702	0.907013	Pop1
ENSMUSG0ENSMUSGC	680.6076	0.009836	0.08774	0.112108	0.910738	0.983347	Stk3
ENSMUSG0ENSMUSGC	73.39217	-0.22063	0.140839	-1.56652	0.117227	0.526892	Osr2

ENSMUSG0ENSMUSGC	3463.8	0.085273	0.118837	0.717563	0.473027	0.841779	Khdrbs3
ENSMUSG0ENSMUSGC	324.6507	0.063034	0.094604	0.666294	0.505223	0.857565	Zfat
ENSMUSG0ENSMUSGC	4918.762	0.131722	0.066446	1.982376	0.047437	0.350714	Eif3e
ENSMUSG0ENSMUSGC	1537.8	0.211827	0.107874	1.963645	0.049571	0.359728	Emc2
ENSMUSG0ENSMUSGC	2373.044	0.059824	0.059557	1.004468	0.315153	0.747985	Eny2
ENSMUSG0ENSMUSGC	601.5401	-0.09023	0.080196	-1.12506	0.260562	0.704211	Ebag9
ENSMUSG0ENSMUSGC	597.1785	0.082555	0.085265	0.968216	0.332936	0.758648	Sybu
ENSMUSG0ENSMUSGC	229.8455	-0.27892	0.119712	-2.32996	0.019808	0.222458	Myc
ENSMUSG0ENSMUSGC	4682.226	0.142942	0.094672	1.509867	0.131077	0.552194	Washc5
ENSMUSG0ENSMUSGC	5938.382	0.200365	0.075823	2.642531	0.008229	0.138359	Sqle
ENSMUSG0ENSMUSGC	3122.672	0.081233	0.121458	0.668812	0.503615	0.856314	Mtss1
ENSMUSG0ENSMUSGC	4202.1	0.12933	0.103384	1.250965	0.210947	0.659903	Ndufb9
ENSMUSG0ENSMUSGC	231.2224	-0.32619	0.14466	-2.25489	0.02414	0.248527	Fbxo32
ENSMUSG0ENSMUSGC	430.2303	-0.10352	0.117527	-0.88082	0.378416	0.789109	Wdyh1
ENSMUSG0ENSMUSGC	5021.54	0.027311	0.116059	0.235321	0.81396	0.959369	Atad2
ENSMUSG0ENSMUSGC	1601.665	0.028522	0.097605	0.292222	0.770117	0.949297	Zhx1
ENSMUSG0ENSMUSGC	1365.234	0.109319	0.091874	1.189878	0.234094	0.68322	Tbc1d31
ENSMUSG0ENSMUSGC	5217.239	0.05082	0.087239	0.58254	0.560203	0.883939	Derl1
ENSMUSG0ENSMUSGC	752.4036	-0.05729	0.087428	-0.65526	0.512299	0.861697	Mtbp
ENSMUSG0ENSMUSGC	1604.419	0.142163	0.111629	1.273534	0.202829	0.65035	Mrpl13
ENSMUSG0ENSMUSGC	3620.066	-0.03805	0.084025	-0.45287	0.65064	0.918867	Asap1
ENSMUSG0ENSMUSGC	1492.903	-0.17927	0.070629	-2.5382	0.011143	0.163343	Fam49b
ENSMUSG0ENSMUSGC	1733.303	-0.00426	0.058429	-0.07287	0.941906	0.98865	Gtse1
ENSMUSG0ENSMUSGC	253.8118	-0.04789	0.128692	-0.37212	0.709803	0.934993	Trmu
ENSMUSG0ENSMUSGC	2180.286	-0.01306	0.119362	-0.10945	0.912848	0.983954	Brd1
ENSMUSG0ENSMUSGC	1877.439	-0.21012	0.09532	-2.20435	0.0275	0.264833	Tef
ENSMUSG0ENSMUSGC	2459.147	-0.1053	0.094693	-1.11205	0.266116	0.709277	Zc3h7b
ENSMUSG0ENSMUSGC	9656.272	0.065504	0.060448	1.083631	0.278529	0.720552	Rangap1
ENSMUSG0ENSMUSGC	1963.831	-0.10715	0.060017	-1.7853	0.074212	0.433063	L3mbtl2
ENSMUSG0ENSMUSGC	4437.053	0.115298	0.092812	1.242264	0.214139	0.664283	Rbx1
ENSMUSG0ENSMUSGC	384.4069	0.079796	0.125046	0.638128	0.52339	0.86723	Xpnpep3
ENSMUSG0ENSMUSGC	4737.804	0.178851	0.107345	1.66613	0.095688	0.485939	St13
ENSMUSG0ENSMUSGC	1825.824	0.033788	0.084058	0.401957	0.687716	0.931173	Slc25a17
ENSMUSG0ENSMUSGC	1443.835	0.245882	0.091405	2.690028	0.007145	0.128019	Adsl
ENSMUSG0ENSMUSGC	1308.306	0.094666	0.070937	1.334507	0.182038	0.628217	Mief1
ENSMUSG0ENSMUSGC	875.7819	-0.02353	0.08324	-0.28274	0.777378	0.950382	Tab1
ENSMUSG0ENSMUSGC	842.0679	0.154642	0.109849	1.407763	0.159201	0.596842	Syng1
ENSMUSG0ENSMUSGC	54.80283	-0.01208	0.087261	-0.13845	0.889886	0.978618	Cacna1i
ENSMUSG0ENSMUSGC	1106.898	-0.21502	0.080911	-2.65747	0.007873	0.134441	Deptor
ENSMUSG0ENSMUSGC	740.7298	-0.07915	0.118305	-0.66906	0.503457	0.856225	Dnal4
ENSMUSG0ENSMUSGC	5300.312	0.048451	0.060882	0.795819	0.426137	0.81459	Nptxr
ENSMUSG0ENSMUSGC	571.1932	0.38437	0.097607	3.937938	8.22E-05	0.00718	Dscc1
ENSMUSG0ENSMUSGC	279.7938	-0.24901	0.120917	-2.05937	0.039459	0.322089	Enpp2
ENSMUSG0ENSMUSGC	2198.761	-0.08454	0.105424	-0.80187	0.422627	0.812942	Josd1
ENSMUSG0ENSMUSGC	2608.604	0.032872	0.093258	0.35248	0.724479	0.937928	Tomm22
ENSMUSG0ENSMUSGC	1009.102	0.118107	0.119839	0.985552	0.324353	0.754022	Cby1
ENSMUSG0ENSMUSGC	1287.885	-0.04525	0.133416	-0.33919	0.734464	0.938791	Csnk1e
ENSMUSG0ENSMUSGC	897.1412	0.04409	0.109964	0.400949	0.688458	0.931407	Fam118a
ENSMUSG0ENSMUSGC	2530.934	0.09315	0.138204	0.674005	0.500308	0.855216	Upk3a
ENSMUSG0ENSMUSGC	1684.644	0.066302	0.113518	0.584069	0.559174	0.883648	Sh3bp1
ENSMUSG0ENSMUSGC	2748.264	0.12805	0.091878	1.393689	0.163412	0.602536	Samm50
ENSMUSG0ENSMUSGC	2172.617	-0.19479	0.125639	-1.55036	0.121055	0.533865	Parvb

ENSMUSG0ENSMUSGC	2239.257	-0.1791	0.130797	-1.3693	0.170905	0.612136	C1qtnf6
ENSMUSG0ENSMUSGC	707.9308	0.028564	0.077954	0.366425	0.714048	0.935647	Ttll1
ENSMUSG0ENSMUSGC	6498.818	0.032606	0.083714	0.389491	0.696913	0.933418	Myh9
ENSMUSG0ENSMUSGC	2701.468	0.154652	0.111709	1.384408	0.166234	0.605329	Ndufa6
ENSMUSG0ENSMUSGC	3555.017	-0.01303	0.058473	-0.22287	0.823635	0.961801	Twf1
ENSMUSG0ENSMUSGC	3972.81	0.169895	0.117444	1.446607	0.148007	0.580178	Smdt1
ENSMUSG0ENSMUSGC	2804.021	-0.10067	0.074765	-1.34654	0.178127	0.621199	Naga
ENSMUSG0ENSMUSGC	1424.539	-0.09177	0.123354	-0.74399	0.456881	0.830835	Sep-03
ENSMUSG0ENSMUSGC	6863.589	0.028863	0.137883	0.209326	0.834193	0.964464	Slc38a2
ENSMUSG0ENSMUSGC	5176.198	0.136862	0.079438	1.722875	0.084911	0.459517	Srebf2
ENSMUSG0ENSMUSGC	11552.24	-0.06326	0.116529	-0.54287	0.58722	0.894311	Slc38a4
ENSMUSG0ENSMUSGC	581.318	-0.05632	0.096693	-0.58246	0.56026	0.883939	Rpap3
ENSMUSG0ENSMUSGC	2637.399	0.160042	0.109307	1.464155	0.143152	0.572261	Xrcc6
ENSMUSG0ENSMUSGC	7622.555	0.041327	0.065241	0.633455	0.526436	0.868304	Desi1
ENSMUSG0ENSMUSGC	2480.756	-0.07903	0.101824	-0.77612	0.437676	0.819206	Pmm1
ENSMUSG0ENSMUSGC	67.55666	-0.21675	0.138809	-1.56151	0.118403	0.528824	Hdac7
ENSMUSG0ENSMUSGC	703.2165	0.015251	0.079913	0.190851	0.848642	0.968843	Polr3h
ENSMUSG0ENSMUSGC	11811.04	0.178454	0.057589	3.098774	0.001943	0.055741	Aco2
ENSMUSG0ENSMUSGC	898.4524	0.214916	0.131499	1.634353	0.102185	0.4985	Vdr
ENSMUSG0ENSMUSGC	42.99471	0.031865	0.13251	0.240472	0.809964	0.958353	Col2a1
ENSMUSG0ENSMUSGC	294.7862	-0.02243	0.102311	-0.21926	0.826445	0.962521	Pde1b
ENSMUSG0ENSMUSGC	14706.29	0.094938	0.101572	0.934689	0.349949	0.771455	Ppp1r1a
ENSMUSG0ENSMUSGC	2691.886	0.15332	0.094338	1.625216	0.104117	0.501523	Txndc11
ENSMUSG0ENSMUSGC	697.9832	0.003097	0.138335	0.022387	0.982139	0.997345	Litaf
ENSMUSG0ENSMUSGC	1631.198	0.029615	0.076423	0.387511	0.698378	0.933691	Nubp1
ENSMUSG0ENSMUSGC	40.64954	-0.34873	0.14151	-2.46438	0.013725	0.183043	Emp2
ENSMUSG0ENSMUSGC	1325.538	0.100681	0.082295	1.223414	0.221173	0.671829	1810013L2
ENSMUSG0ENSMUSGC	100.9574	0.005512	0.141646	0.038911	0.968962	0.995539	Bcl6
ENSMUSG0ENSMUSGC	614.7294	-0.13425	0.123352	-1.08838	0.276428	0.718088	Cldn1
ENSMUSG0ENSMUSGC	371.315	-0.24974	0.098169	-2.54396	0.01096	0.162424	Il1rap
ENSMUSG0ENSMUSGC	1117.161	0.084151	0.074405	1.130991	0.258059	0.702822	Anks3
ENSMUSG0ENSMUSGC	1808.036	0.127301	0.108856	1.16944	0.242226	0.689628	Nudt16l1
ENSMUSG0ENSMUSGC	3217.126	0.13609	0.056704	2.400024	0.016394	0.201513	Mgrn1
ENSMUSG0ENSMUSGC	399.6464	-0.01368	0.146011	-0.09372	0.92533	0.985705	Srl
ENSMUSG0ENSMUSGC	1204.676	0.034583	0.094405	0.366321	0.714126	0.935647	Crebbp
ENSMUSG0ENSMUSGC	497.0009	0.136706	0.076945	1.776681	0.075621	0.437207	Fgf12
ENSMUSG0ENSMUSGC	788.3055	-0.06392	0.098116	-0.65152	0.514713	0.862556	Zfp251
ENSMUSG0ENSMUSGC	400.7997	-0.02405	0.117827	-0.20411	0.838264	0.965671	Hes1
ENSMUSG0ENSMUSGC	772.0526	-0.08907	0.084795	-1.05043	0.293521	0.733452	Zfp263
ENSMUSG0ENSMUSGC	3229.632	-0.15382	0.1363	-1.12857	0.259081	0.703866	Atp13a3
ENSMUSG0ENSMUSGC	5188.894	0.157603	0.070289	2.242201	0.024948	0.252067	Glyr1
ENSMUSG0ENSMUSGC	48.97693	-0.04318	0.144903	-0.29798	0.765721	0.947876	Tmem44
ENSMUSG0ENSMUSGC	1444.396	0.068327	0.080487	0.848916	0.395928	0.797139	Lsg1
ENSMUSG0ENSMUSGC	3412.281	0.200274	0.094962	2.108979	0.034946	0.302936	Rogdi
ENSMUSG0ENSMUSGC	54.74657	-0.03109	0.137086	-0.22682	0.820566	0.960465	4930451G0
ENSMUSG0ENSMUSGC	321.0083	-0.24851	0.091871	-2.70497	0.006831	0.124417	Eef2kmt
ENSMUSG0ENSMUSGC	424.838	-0.1214	0.106975	-1.13486	0.256435	0.702124	Ercc4
ENSMUSG0ENSMUSGC	446.7033	0.082877	0.095096	0.871511	0.383475	0.790739	Gpt
ENSMUSG0ENSMUSGC	114.9453	0.07859	0.134066	0.586203	0.557739	0.882863	Apod
ENSMUSG0ENSMUSGC	871.5743	0.078967	0.103821	0.760608	0.446891	0.824037	Adck5
ENSMUSG0ENSMUSGC	6233.462	0.171268	0.088716	1.930519	0.053543	0.37491	Cyc1
ENSMUSG0ENSMUSGC	1351.036	-0.01238	0.099173	-0.12484	0.900647	0.981243	Sharpin

ENSMUSG0ENSMUSG0	1758.347	-0.03606	0.099166	-0.36362	0.716141	0.93588	Maf1
ENSMUSG0ENSMUSG0	366.9056	0.099191	0.103196	0.961196	0.336453	0.759707	Hgh1
ENSMUSG0ENSMUSG0	800.4327	0.033513	0.104515	0.320654	0.748473	0.94212	Dgat1
ENSMUSG0ENSMUSG0	1496.867	0.070166	0.075689	0.92703	0.353911	0.774327	Hsf1
ENSMUSG0ENSMUSG0	2134.454	0.230491	0.067744	3.40237	0.000668	0.028713	Bop1
ENSMUSG0ENSMUSG0	3203.846	0.100225	0.125372	0.799421	0.424046	0.813996	Mroh1
ENSMUSG0ENSMUSG0	1183.919	0.040637	0.073737	0.55111	0.581558	0.892874	Fbxl6
ENSMUSG0ENSMUSG0	846.7293	0.179804	0.092526	1.943271	0.051983	0.369215	Slc52a2
ENSMUSG0ENSMUSG0	3060.667	0.063069	0.060169	1.048193	0.29455	0.733828	Gpaa1
ENSMUSG0ENSMUSG0	225.2019	-0.22544	0.133806	-1.68485	0.092017	0.476371	Oplah
ENSMUSG0ENSMUSG0	6193.101	-0.03719	0.122025	-0.30477	0.760545	0.946045	Grina
ENSMUSG0ENSMUSG0	1701.263	0.139234	0.079812	1.744531	0.081067	0.450319	Plec
ENSMUSG0ENSMUSG0	3265.089	0.220534	0.07888	2.795813	0.005177	0.106118	Scrib
ENSMUSG0ENSMUSG0	1571.202	0.089551	0.112628	0.795105	0.426553	0.81459	Tsta3
ENSMUSG0ENSMUSG0	1718.527	0.24108	0.098939	2.436646	0.014824	0.190903	Pycrl
ENSMUSG0ENSMUSG0	135.4745	-0.3062	0.108974	-2.8098	0.004957	0.102893	Gsdmd
ENSMUSG0ENSMUSG0	423.6132	-0.03476	0.094489	-0.36784	0.712994	0.935647	Rhpn1
ENSMUSG0ENSMUSG0	2460.966	-0.28205	0.13751	-2.05115	0.040253	0.325504	Ly6e
ENSMUSG0ENSMUSG0	41.23375	-0.01384	0.145498	-0.09515	0.924195	0.985705	Lynx1
ENSMUSG0ENSMUSG0	740.4732	0.144455	0.10548	1.369496	0.170844	0.612136	Zbtb11
ENSMUSG0ENSMUSG0	439.133	-0.24222	0.140724	-1.72123	0.085209	0.460072	Arc
ENSMUSG0ENSMUSG0	797.3554	0.214141	0.09031	2.371182	0.017731	0.207907	Cep97
ENSMUSG0ENSMUSG0	1443.74	-0.07514	0.071831	-1.04602	0.295553	0.73487	Ptk2
ENSMUSG0ENSMUSG0	393.0466	-0.38549	0.11796	-3.26793	0.001083	0.038824	Mapk12
ENSMUSG0ENSMUSG0	3998.942	-0.08943	0.087983	-1.01647	0.309404	0.743743	Lmf2
ENSMUSG0ENSMUSG0	148.461	-0.20502	0.117924	-1.7386	0.082106	0.452768	Tymp
ENSMUSG0ENSMUSG0	1678.82	0.018477	0.092019	0.200793	0.840861	0.96667	Chkb
ENSMUSG0ENSMUSG0	7117.504	0.079928	0.08283	0.964962	0.334564	0.759008	Mapk8ip2
ENSMUSG0ENSMUSG0	1769.489	-0.03912	0.136726	-0.28615	0.774766	0.950049	Arsa
ENSMUSG0ENSMUSG0	388.8285	-0.28564	0.100481	-2.84271	0.004473	0.097868	Rabl2
ENSMUSG0ENSMUSG0	2269.345	0.14015	0.09596	1.460494	0.144154	0.573946	Kif21a
ENSMUSG0ENSMUSG0	1290.842	0.015836	0.077334	0.204771	0.837751	0.965548	Yaf2
ENSMUSG0ENSMUSG0	2668.789	0.089319	0.103578	0.862336	0.388503	0.794026	Zcrb1
ENSMUSG0ENSMUSG0	997.1099	-0.19615	0.119717	-1.63849	0.10132	0.496461	Alcam
ENSMUSG0ENSMUSG0	623.2544	-0.22211	0.078894	-2.81531	0.004873	0.10213	Cblb
ENSMUSG0ENSMUSG0	939.8423	0.012747	0.094734	0.134554	0.892965	0.979424	Dubr
ENSMUSG0ENSMUSG0	1821.219	0.103889	0.095439	1.088543	0.276356	0.718088	Bbx
ENSMUSG0ENSMUSG0	2859.433	-0.01868	0.092538	-0.2019	0.839992	0.966279	Nectin3
ENSMUSG0ENSMUSG0	556.3513	-0.13656	0.134347	-1.01645	0.309415	0.743743	Tagln3
ENSMUSG0ENSMUSG0	82.7913	0.091558	0.140228	0.652918	0.513809	0.8625	Cd200
ENSMUSG0ENSMUSG0	1740.995	0.043975	0.081983	0.536393	0.591687	0.895697	Atg3
ENSMUSG0ENSMUSG0	1220.152	-0.11333	0.075523	-1.50053	0.133477	0.556514	Slc35a5
ENSMUSG0ENSMUSG0	954.8698	-0.03342	0.085818	-0.38946	0.696936	0.933418	Gtpbp8
ENSMUSG0ENSMUSG0	558.7957	0.007789	0.115861	0.067225	0.946403	0.989872	Mzt2
ENSMUSG0ENSMUSG0	1185.135	0.173191	0.098247	1.762806	0.077933	0.442349	Prkdc
ENSMUSG0ENSMUSG0	5453.972	0.094017	0.07794	1.206272	0.227713	0.67701	Mcm4
ENSMUSG0ENSMUSG0	1876.34	0.149059	0.082251	1.812243	0.069949	0.423462	Ube2v2
ENSMUSG0ENSMUSG0	184.03	0.063608	0.133852	0.475213	0.634635	0.912468	Snai2
ENSMUSG0ENSMUSG0	1373.633	0.095089	0.111214	0.85501	0.392546	0.795486	Fopnl
ENSMUSG0ENSMUSG0	1319.761	-0.00133	0.078319	-0.01697	0.98646	0.997999	Nde1
ENSMUSG0ENSMUSG0	338.6156	0.098949	0.114913	0.861085	0.389191	0.794584	Mpv17l
ENSMUSG0ENSMUSG0	5000.863	0.083188	0.060857	1.366942	0.171643	0.613379	Pdxdc1

ENSMUSG0ENSMUSGC	1144.344	0.020087	0.081218	0.247327	0.804655	0.957462	Ntan1
ENSMUSG0ENSMUSGC	2044.412	0.090726	0.069509	1.30524	0.191811	0.638822	Rrn3
ENSMUSG0ENSMUSGC	1161.306	0.010843	0.078493	0.138135	0.890133	0.978648	Bfar
ENSMUSG0ENSMUSGC	1250.941	-0.05166	0.076992	-0.67094	0.502256	0.856225	Parn
ENSMUSG0ENSMUSGC	540.4778	-0.36115	0.115418	-3.12909	0.001754	0.052203	Boc
ENSMUSG0ENSMUSGC	198.8512	-0.39794	0.126826	-3.13764	0.001703	0.051426	Sidt1
ENSMUSG0ENSMUSGC	4331.865	0.164515	0.083914	1.960509	0.049936	0.361005	Naa50
ENSMUSG0ENSMUSGC	300.18	-0.29337	0.129573	-2.26416	0.023564	0.244935	Ccdc191
ENSMUSG0ENSMUSGC	1619.967	0.050499	0.082657	0.610947	0.541235	0.874705	Hira
ENSMUSG0ENSMUSGC	441.4369	-0.15127	0.131278	-1.1523	0.249197	0.696015	Qtrt2
ENSMUSG0ENSMUSGC	1547.505	0.178644	0.105649	1.69093	0.09085	0.474214	Mrpl40
ENSMUSG0ENSMUSGC	1243.243	0.026116	0.115634	0.22585	0.821318	0.960727	Gbe1
ENSMUSG0ENSMUSGC	655.8349	-0.10831	0.111789	-0.96885	0.332621	0.75849	Zbtb20
ENSMUSG0ENSMUSGC	4441.531	-0.02965	0.092084	-0.32196	0.747487	0.942076	Usp7
ENSMUSG0ENSMUSGC	1772.065	-0.00849	0.08172	-0.1039	0.917248	0.984548	Pmm2
ENSMUSG0ENSMUSGC	897.0805	-0.12451	0.091796	-1.35637	0.17498	0.617685	Dgcr8
ENSMUSG0ENSMUSGC	1558.473	-0.03285	0.061825	-0.53137	0.595162	0.896659	Trmt2a
ENSMUSG0ENSMUSGC	1677.136	-0.02053	0.07161	-0.28667	0.774365	0.949821	Arl6
ENSMUSG0ENSMUSGC	3722.31	0.017147	0.105651	0.162297	0.871072	0.975586	Crybg3
ENSMUSG0ENSMUSGC	998.4856	0.048316	0.079679	0.606381	0.544261	0.87522	Riox2
ENSMUSG0ENSMUSGC	1548.613	-0.2123	0.137219	-1.54715	0.121826	0.534794	Cpox
ENSMUSG0ENSMUSGC	4258.659	0.065832	0.071049	0.926576	0.354146	0.774327	Cldnd1
ENSMUSG0ENSMUSGC	136.5627	-0.15614	0.128777	-1.21251	0.225316	0.675141	St3gal6
ENSMUSG0ENSMUSGC	552.5333	0.22676	0.082994	2.732242	0.00629	0.118097	Cmss1
ENSMUSG0ENSMUSGC	1285.143	0.03469	0.092127	0.376547	0.70651	0.934791	Tbc1d23
ENSMUSG0ENSMUSGC	2296.442	0.030944	0.060023	0.515541	0.606175	0.902643	Klhl22
ENSMUSG0ENSMUSGC	246.3484	-0.05769	0.101194	-0.57011	0.568601	0.888146	Nit2
ENSMUSG0ENSMUSGC	3636.075	0.180725	0.054726	3.30235	0.000959	0.035993	Tomm70a
ENSMUSG0ENSMUSGC	1029.43	-0.07244	0.061236	-1.18293	0.236835	0.685759	Slc7a4
ENSMUSG0ENSMUSGC	3646.046	0.005772	0.084316	0.06846	0.945419	0.989708	Tfg
ENSMUSG0ENSMUSGC	893.9213	0.019662	0.078793	0.249544	0.80294	0.957091	Thap7
ENSMUSG0ENSMUSGC	3820.047	0.027223	0.068308	0.398536	0.690235	0.931679	Lztr1
ENSMUSG0ENSMUSGC	113.9043	-0.24533	0.133057	-1.84379	0.065214	0.411796	Ncam2
ENSMUSG0ENSMUSGC	1458.765	0.201574	0.072156	2.793597	0.005213	0.106214	Snap29
ENSMUSG0ENSMUSGC	58.81721	0.027159	0.14432	0.188187	0.85073	0.969606	Ccdc116
ENSMUSG0ENSMUSGC	2786.966	0.008007	0.104002	0.07699	0.938631	0.9878	Sdf2l1
ENSMUSG0ENSMUSGC	1861.092	0.094427	0.096986	0.973616	0.330247	0.757064	Dlg1
ENSMUSG0ENSMUSGC	2341.595	0.004877	0.062549	0.077969	0.937853	0.987566	Ppil2
ENSMUSG0ENSMUSGC	710.2883	0.055679	0.133125	0.418247	0.675766	0.927604	Senp5
ENSMUSG0ENSMUSGC	163.886	-0.11379	0.132521	-0.85868	0.390516	0.794806	Ypel1
ENSMUSG0ENSMUSGC	2354.146	-0.01546	0.056226	-0.27496	0.78335	0.952711	Ncbp2
ENSMUSG0ENSMUSGC	1229.794	-0.0429	0.079925	-0.53674	0.591447	0.895697	Top3b
ENSMUSG0ENSMUSGC	760.7735	0.115096	0.125042	0.920453	0.357336	0.775786	Meltf
ENSMUSG0ENSMUSGC	2937.646	0.051693	0.068834	0.750982	0.452663	0.827496	Pak2
ENSMUSG0ENSMUSGC	232.152	0.070042	0.114234	0.613145	0.539781	0.873794	Wdr53
ENSMUSG0ENSMUSGC	675.7495	0.108905	0.107033	1.017495	0.308918	0.743404	Fgd4
ENSMUSG0ENSMUSGC	3491.157	0.119083	0.084565	1.40818	0.159078	0.59683	Dnm1l
ENSMUSG0ENSMUSGC	212.3741	-0.12699	0.094755	-1.34024	0.180168	0.62456	Igsf11
ENSMUSG0ENSMUSGC	1293.442	-0.06184	0.078195	-0.79089	0.429011	0.815457	Tnk2
ENSMUSG0ENSMUSGC	602.8421	0.068969	0.093487	0.73773	0.460679	0.833168	Yars2
ENSMUSG0ENSMUSGC	151.7109	-0.29026	0.102772	-2.82435	0.004738	0.101199	B4galt4
ENSMUSG0ENSMUSGC	9063.936	0.026523	0.143909	0.184303	0.853776	0.970114	Tfric

ENSMUSG0ENSMUSG0	396.0137	-0.09048	0.102618	-0.88167	0.377956	0.788987	Arhgap31
ENSMUSG0ENSMUSG0	2156.738	-0.00261	0.094837	-0.02748	0.978077	0.996584	Fyttd1
ENSMUSG0ENSMUSG0	1472.979	-0.01006	0.077313	-0.13015	0.896451	0.98034	Lrch3
ENSMUSG0ENSMUSG0	336.8224	-0.00352	0.113186	-0.03114	0.975156	0.996035	Lmln
ENSMUSG0ENSMUSG0	527.8592	0.150907	0.084568	1.784445	0.074351	0.433241	Osbpl11
ENSMUSG0ENSMUSG0	1875.193	0.078889	0.127441	0.619023	0.535901	0.872592	Snx4
ENSMUSG0ENSMUSG0	1715.104	0.013581	0.113871	0.119267	0.905064	0.982338	Zfp148
ENSMUSG0ENSMUSG0	1630.285	0.061025	0.076706	0.795565	0.426285	0.81459	Gsk3b
ENSMUSG0ENSMUSG0	3397.244	0.055955	0.064158	0.872155	0.383124	0.790739	Umps
ENSMUSG0ENSMUSG0	2893.882	-0.15799	0.114123	-1.38436	0.16625	0.605329	Itgb5
ENSMUSG0ENSMUSG0	571.426	0.105067	0.122639	0.856715	0.391602	0.794949	Ndufb4
ENSMUSG0ENSMUSG0	2433.071	0.061044	0.095117	0.641781	0.521015	0.865897	Abcc5
ENSMUSG0ENSMUSG0	336.9219	-0.11692	0.13289	-0.87979	0.378973	0.789428	Rabl3
ENSMUSG0ENSMUSG0	645.7051	0.145267	0.083057	1.749012	0.080289	0.447549	Gtf2e1
ENSMUSG0ENSMUSG0	512.2791	0.049356	0.091163	0.541399	0.588233	0.894348	Ccdc14
ENSMUSG0ENSMUSG0	611.6221	-0.09509	0.140022	-0.67914	0.497051	0.853814	Mylk
ENSMUSG0ENSMUSG0	768.7914	0.059436	0.110622	0.537286	0.59107	0.895697	Iqcb1
ENSMUSG0ENSMUSG0	98.54018	-0.0995	0.131542	-0.7564	0.449411	0.825288	Eaf2
ENSMUSG0ENSMUSG0	16814.31	0.296457	0.084731	3.498802	0.000467	0.023155	Ap2m1
ENSMUSG0ENSMUSG0	3589.98	0.212859	0.082332	2.585371	0.009727	0.150843	Ece2
ENSMUSG0ENSMUSG0	301.9606	0.025635	0.107741	0.237929	0.811936	0.958679	Cln2
ENSMUSG0ENSMUSG0	2333.96	0.050921	0.113653	0.448043	0.654122	0.919901	Pdia5
ENSMUSG0ENSMUSG0	2002.875	0.123843	0.107994	1.146759	0.251481	0.697958	Dirc2
ENSMUSG0ENSMUSG0	448.9993	0.08789	0.085489	1.028095	0.303905	0.739759	Hspbap1
ENSMUSG0ENSMUSG0	188.1847	-0.28109	0.102314	-2.74728	0.006009	0.115244	Ehhadh
ENSMUSG0ENSMUSG0	2071.036	0.036087	0.084193	0.428622	0.668199	0.925067	Senp2
ENSMUSG0ENSMUSG0	319.9652	-0.0624	0.100157	-0.62305	0.533252	0.871779	Tmem41a
ENSMUSG0ENSMUSG0	5573.34	0.026788	0.077943	0.343688	0.731081	0.938791	Tra2b
ENSMUSG0ENSMUSG0	423.4906	0.071064	0.145556	0.488221	0.625393	0.90826	Dgkg
ENSMUSG0ENSMUSG0	5099.606	-0.02639	0.058987	-0.44745	0.654548	0.919908	Btg3
ENSMUSG0ENSMUSG0	47.40746	-0.12849	0.138688	-0.92646	0.354204	0.774327	D16Ert47
ENSMUSG0ENSMUSG0	1349.922	-0.00423	0.097224	-0.04356	0.965258	0.994842	Cxadr
ENSMUSG0ENSMUSG0	760.3437	-0.1248	0.088547	-1.40945	0.158703	0.59683	Usp25
ENSMUSG0ENSMUSG0	323.1252	-0.26656	0.135273	-1.97051	0.048781	0.356386	Fetub
ENSMUSG0ENSMUSG0	2081.604	0.173071	0.095865	1.805359	0.071019	0.425044	Rfc4
ENSMUSG0ENSMUSG0	1534.438	-0.04399	0.140088	-0.31401	0.753515	0.943889	Robo1
ENSMUSG0ENSMUSG0	13652.95	0.085234	0.07281	1.17064	0.241743	0.689436	Eif4a2
ENSMUSG0ENSMUSG0	70.65058	0.015745	0.145627	0.108119	0.913901	0.983954	St6gal1
ENSMUSG0ENSMUSG0	1585.036	0.059408	0.06799	0.873773	0.382242	0.790739	Mrpl39
ENSMUSG0ENSMUSG0	9218.997	0.109052	0.093853	1.161945	0.245258	0.693512	Atp5j
ENSMUSG0ENSMUSG0	6086.173	-0.16712	0.13416	-1.2457	0.212876	0.662162	App
ENSMUSG0ENSMUSG0	1896.69	-0.05675	0.129974	-0.43663	0.662383	0.924514	Ets2
ENSMUSG0ENSMUSG0	2952.567	-0.01714	0.077003	-0.22252	0.823906	0.961847	Dyrk1a
ENSMUSG0ENSMUSG0	2625.163	0.124857	0.08239	1.515449	0.129659	0.549048	Dscr3
ENSMUSG0ENSMUSG0	1164.012	-0.04307	0.097198	-0.44316	0.65765	0.921426	Ildr1
ENSMUSG0ENSMUSG0	2125.987	0.418566	0.075025	5.579	2.42E-08	1.80E-05	Kpna1
ENSMUSG0ENSMUSG0	618.8004	-0.34265	0.083314	-4.1127	3.91E-05	0.004084	Parp9
ENSMUSG0ENSMUSG0	749.2999	-0.06474	0.119205	-0.54314	0.587035	0.894311	Arl13b
ENSMUSG0ENSMUSG0	239.7242	-0.43419	0.111705	-3.88692	0.000102	0.008225	Pros1
ENSMUSG0ENSMUSG0	1211.856	0.106874	0.087517	1.221177	0.222019	0.672344	Psmg1
ENSMUSG0ENSMUSG0	3123.694	0.060708	0.085255	0.712072	0.47642	0.843045	Brwd1
ENSMUSG0ENSMUSG0	2099.757	-0.03721	0.108902	-0.34171	0.732569	0.938791	Pigp

ENSMUSG0ENSMUSG0	1229.502	-0.19094	0.142351	-1.34134	0.179809	0.623888	Ripply3
ENSMUSG0ENSMUSG0	5890.964	0.075761	0.113485	0.667581	0.504401	0.85693	Chaf1b
ENSMUSG0ENSMUSG0	2929.663	0.05977	0.136205	0.438825	0.660788	0.923542	Dopey2
ENSMUSG0ENSMUSG0	223.9671	0.02856	0.127113	0.224685	0.822225	0.961144	Cbr3
ENSMUSG0ENSMUSG0	222.7288	-0.0574	0.117367	-0.48908	0.624782	0.908091	Setd4
ENSMUSG0ENSMUSG0	1443.511	0.381731	0.088388	4.318793	1.57E-05	0.002016	Rcan1
ENSMUSG0ENSMUSG0	10487.31	0.230915	0.096546	2.391759	0.016768	0.202838	Atp5o
ENSMUSG0ENSMUSG0	1643.335	0.146356	0.111672	1.310587	0.189997	0.637954	Its1
ENSMUSG0ENSMUSG0	1730.013	-0.01009	0.088535	-0.114	0.909237	0.983077	Donson
ENSMUSG0ENSMUSG0	11928.41	-0.02412	0.068641	-0.35139	0.725294	0.938024	Son
ENSMUSG0ENSMUSG0	3227.713	0.209575	0.064821	3.233128	0.001224	0.041707	Gart
ENSMUSG0ENSMUSG0	2697.57	0.18248	0.062598	2.915112	0.003556	0.084334	Tmem50b
ENSMUSG0ENSMUSG0	553.746	-0.08792	0.113732	-0.77305	0.439494	0.820656	Ifngr2
ENSMUSG0ENSMUSG0	1764.933	0.009039	0.068847	0.131293	0.895544	0.980243	Ifnar1
ENSMUSG0ENSMUSG0	589.6696	-0.30158	0.120151	-2.51005	0.012071	0.170389	Il10rb
ENSMUSG0ENSMUSG0	1111.688	-0.22116	0.10945	-2.02065	0.043316	0.33585	Ifnar2
ENSMUSG0ENSMUSG0	1029.86	0.091494	0.11219	0.815521	0.414774	0.807961	1110004EO
ENSMUSG0ENSMUSG0	2367.574	0.09701	0.105543	0.91915	0.358017	0.776143	Synj1
ENSMUSG0ENSMUSG0	2741.654	-0.12707	0.103862	-1.22348	0.221149	0.671829	Paxbp1
ENSMUSG0ENSMUSG0	1172.689	0.070279	0.089218	0.787719	0.430861	0.816305	Mis18a
ENSMUSG0ENSMUSG0	13256.94	0.115249	0.102417	1.125291	0.260466	0.704211	Sod1
ENSMUSG0ENSMUSG0	1915.873	0.022612	0.081326	0.278044	0.780979	0.95154	Scaf4
ENSMUSG0ENSMUSG0	2488.766	0.023158	0.067307	0.344064	0.730798	0.938791	Kansl2
ENSMUSG0ENSMUSG0	1795.424	3.35E-05	0.079648	0.00042	0.999665	0.99974	Adcy6
ENSMUSG0ENSMUSG0	2560.853	-0.02156	0.089873	-0.23988	0.810422	0.958353	Enah
ENSMUSG0ENSMUSG0	432.1385	0.024121	0.103135	0.233879	0.815079	0.959419	Lmbr1l
ENSMUSG0ENSMUSG0	40175.41	0.223765	0.106275	2.105533	0.035245	0.303361	Tuba1b
ENSMUSG0ENSMUSG0	1106.751	0.015698	0.1281	0.122543	0.902469	0.981785	Prpf40b
ENSMUSG0ENSMUSG0	782.8872	-0.03714	0.100268	-0.37044	0.711058	0.935647	Fmn13
ENSMUSG0ENSMUSG0	16034.96	0.022037	0.081474	0.270478	0.786793	0.953755	Tmbim6
ENSMUSG0ENSMUSG0	140.9768	-0.43823	0.145636	-3.00911	0.00262	0.069354	Faim2
ENSMUSG0ENSMUSG0	8780.323	0.064119	0.054088	1.185451	0.235839	0.684574	Racgap1
ENSMUSG0ENSMUSG0	1058.25	-0.46325	0.08866	-5.22504	1.74E-07	8.61E-05	Asic1
ENSMUSG0ENSMUSG0	1181.26	-0.14742	0.114248	-1.29039	0.196916	0.643523	Smarcd1
ENSMUSG0ENSMUSG0	259.5978	-0.4132	0.119409	-3.46034	0.000539	0.024953	Gpd1
ENSMUSG0ENSMUSG0	1832.76	0.036971	0.112014	0.330059	0.741356	0.94054	Cox14
ENSMUSG0ENSMUSG0	2545.277	-0.00747	0.058629	-0.12738	0.898637	0.981094	Cers5
ENSMUSG0ENSMUSG0	696.4689	0.047692	0.123068	0.38753	0.698364	0.933691	Lima1
ENSMUSG0ENSMUSG0	2512.935	0.020351	0.107888	0.188634	0.85038	0.96943	Larp4
ENSMUSG0ENSMUSG0	1713.331	0.070897	0.067125	1.056195	0.290879	0.730515	Dip2b
ENSMUSG0ENSMUSG0	1128.338	-0.1033	0.101911	-1.01362	0.310763	0.744847	Atf1
ENSMUSG0ENSMUSG0	1148.051	-0.06185	0.097737	-0.63277	0.526881	0.868304	Slc11a2
ENSMUSG0ENSMUSG0	1111.281	-0.08982	0.128298	-0.7001	0.483867	0.848131	Slc4a8
ENSMUSG0ENSMUSG0	778.7227	0.080916	0.112781	0.71746	0.47309	0.841779	Scn8a
ENSMUSG0ENSMUSG0	2452.651	-0.22183	0.140987	-1.57344	0.115618	0.52424	Nr4a1
ENSMUSG0ENSMUSG0	1703.393	0.001734	0.126198	0.01374	0.989038	0.998539	Pcdhgc4
ENSMUSG0ENSMUSG0	15341.54	0.061479	0.072987	0.842331	0.399603	0.799703	Krt7
ENSMUSG0ENSMUSG0	432.6258	-0.20873	0.13573	-1.53787	0.124082	0.53853	Krt18
ENSMUSG0ENSMUSG0	476.7985	-0.22222	0.092032	-2.41455	0.015755	0.197001	Csad
ENSMUSG0ENSMUSG0	1948.55	0.068954	0.081287	0.848278	0.396283	0.797159	Prr13
ENSMUSG0ENSMUSG0	1225.398	-0.06827	0.10339	-0.66033	0.509041	0.85932	Map3k12
ENSMUSG0ENSMUSG0	830.7976	0.147475	0.090941	1.621662	0.104876	0.501924	Tarbp2

ENSMUSG0ENSMUSG0	878.7043	-0.26934	0.122667	-2.19571	0.028113	0.269186	Calcoco1
ENSMUSG0ENSMUSG0	388.954	-0.01645	0.093866	-0.17529	0.860853	0.972797	Rtttn
ENSMUSG0ENSMUSG0	6229.436	-0.27952	0.125001	-2.2361	0.025345	0.254537	Cdkn1a
ENSMUSG0ENSMUSG0	2785.125	0.11943	0.056682	2.106996	0.035118	0.303099	Nus1
ENSMUSG0ENSMUSG0	1244.083	0.062094	0.085639	0.725064	0.468413	0.838976	Cep89
ENSMUSG0ENSMUSG0	53.04872	-0.29675	0.14397	-2.06121	0.039283	0.321553	Mospd1
ENSMUSG0ENSMUSG0	3077.581	0.060653	0.057431	1.056089	0.290927	0.730515	Akirin1
ENSMUSG0ENSMUSG0	1363.97	-0.08177	0.111821	-0.73127	0.464614	0.835901	Gtf2ird1
ENSMUSG0ENSMUSG0	45612.8	0.08968	0.097123	0.923358	0.355821	0.774872	Noct
ENSMUSG0ENSMUSG0	1709.436	0.19986	0.100639	1.985917	0.047043	0.349224	Abcc1
ENSMUSG0ENSMUSG0	2396.874	0.204074	0.120308	1.696268	0.089835	0.472413	Ndufa5
ENSMUSG0ENSMUSG0	259.9707	0.026485	0.089639	0.295456	0.767646	0.948584	Fhl1
ENSMUSG0ENSMUSG0	202.358	-0.02843	0.127187	-0.22349	0.823154	0.961633	Msrbb2
ENSMUSG0ENSMUSG0	4684.564	0.079538	0.088514	0.898588	0.368872	0.784642	Rfc2
ENSMUSG0ENSMUSG0	3402.4	0.069893	0.094994	0.735759	0.461878	0.833916	Denr
ENSMUSG0ENSMUSG0	2193.284	0.103301	0.080471	1.283698	0.199248	0.646372	Prmt5
ENSMUSG0ENSMUSG0	5313.521	0.072115	0.083233	0.866419	0.38626	0.792576	Sympk
ENSMUSG0ENSMUSG0	291.7711	0.074361	0.112744	0.659552	0.509541	0.859972	Nagpa
ENSMUSG0ENSMUSG0	1015.077	0.207567	0.083398	2.488883	0.012815	0.176045	Wrb
ENSMUSG0ENSMUSG0	6666.713	-0.1748	0.103435	-1.68997	0.091035	0.474409	Ivns1abp
ENSMUSG0ENSMUSG0	831.2402	-0.02812	0.092925	-0.30262	0.762178	0.946661	Rpp14
ENSMUSG0ENSMUSG0	2435.461	0.077056	0.076392	1.008684	0.313126	0.746673	Gps2
ENSMUSG0ENSMUSG0	44394.73	-0.05033	0.12675	-0.39705	0.69133	0.931679	Bsg
ENSMUSG0ENSMUSG0	1093.65	-0.18039	0.115637	-1.55994	0.118773	0.529492	Vwa5a
ENSMUSG0ENSMUSG0	285.9511	0.451398	0.137571	3.281193	0.001034	0.037445	Grm2
ENSMUSG0ENSMUSG0	138.2273	-0.15375	0.12835	-1.19788	0.230965	0.68059	Il15ra
ENSMUSG0ENSMUSG0	58.54148	-0.06024	0.143847	-0.4188	0.675365	0.927604	Serping1
ENSMUSG0ENSMUSG0	80.12042	0.030661	0.145839	0.210235	0.833484	0.964464	Serinc2
ENSMUSG0ENSMUSG0	151.0275	-0.25568	0.12567	-2.03452	0.041899	0.332383	Ccl25
ENSMUSG0ENSMUSG0	17733.08	0.043343	0.084332	0.513955	0.607284	0.903641	Scg5
ENSMUSG0ENSMUSG0	650.3451	0.002779	0.144368	0.01925	0.984641	0.997439	Parp3
ENSMUSG0ENSMUSG0	175.9084	0.034771	0.124583	0.279097	0.78017	0.951422	Slc26a6
ENSMUSG0ENSMUSG0	557.4999	0.237389	0.10157	2.337195	0.019429	0.219428	Acy1
ENSMUSG0ENSMUSG0	230.1423	-0.12742	0.136839	-0.93117	0.351768	0.773306	Frs3
ENSMUSG0ENSMUSG0	2722.544	0.004263	0.099688	0.042764	0.965889	0.994842	Creld2
ENSMUSG0ENSMUSG0	1090.387	-0.04252	0.082866	-0.51312	0.607869	0.903741	Twf2
ENSMUSG0ENSMUSG0	202.1258	-0.04938	0.125074	-0.39478	0.693002	0.932283	Zfp605
ENSMUSG0ENSMUSG0	1908.558	0.105129	0.074251	1.415858	0.156817	0.595338	Ube2j2
ENSMUSG0ENSMUSG0	1479.293	-0.01527	0.107828	-0.14158	0.887409	0.978595	Mar-05
ENSMUSG0ENSMUSG0	44.3608	-0.70657	0.143549	-4.92216	8.56E-07	0.000256	Ache
ENSMUSG0ENSMUSG0	184.9023	-0.05674	0.100761	-0.56315	0.573333	0.890076	Dtwd1
ENSMUSG0ENSMUSG0	53.49945	0.087786	0.143322	0.61251	0.5402	0.873794	Mx2
ENSMUSG0ENSMUSG0	1049.411	0.285308	0.085395	3.341042	0.000835	0.033093	Poc1a
ENSMUSG0ENSMUSG0	43.77052	-0.07672	0.145194	-0.52841	0.597214	0.89784	Trip6
ENSMUSG0ENSMUSG0	3356.194	0.046412	0.096903	0.47895	0.631974	0.911472	Agap3
ENSMUSG0ENSMUSG0	2385.665	-0.08636	0.120511	-0.71664	0.473597	0.8419	Tmem176a
ENSMUSG0ENSMUSG0	296.1533	0.124561	0.145544	0.855827	0.392093	0.79526	Kcnk16
ENSMUSG0ENSMUSG0	468.3347	-0.12228	0.119738	-1.02127	0.307127	0.743099	Slc17a9
ENSMUSG0ENSMUSG0	1280.88	0.23067	0.083401	2.765782	0.005679	0.112454	Pisd
ENSMUSG0ENSMUSG0	34987.7	-0.01967	0.145685	-0.13501	0.892602	0.979424	Tpi1
ENSMUSG0ENSMUSG0	2170.577	0.084037	0.084125	0.998955	0.317817	0.750019	Rab12
ENSMUSG0ENSMUSG0	1401.713	-0.09325	0.124692	-0.74785	0.454552	0.829099	Celsr3

ENSMUSG0ENSMUSGC	292.3739	-0.39055	0.129528	-3.01514	0.002569	0.068259	Prph
ENSMUSG0ENSMUSGC	1004.002	-0.12482	0.101566	-1.22898	0.219078	0.669212	Pcbp4
ENSMUSG0ENSMUSGC	4001.813	-0.15696	0.080379	-1.9528	0.050844	0.364802	Cdca3
ENSMUSG0ENSMUSGC	326.9051	0.115976	0.138945	0.834688	0.403894	0.800157	C1qtnf12
ENSMUSG0ENSMUSGC	1269.027	-0.02336	0.075097	-0.31112	0.755708	0.944599	Ccndbp1
ENSMUSG0ENSMUSGC	1261.13	0.061749	0.080506	0.767013	0.443074	0.822585	Ogfod2
ENSMUSG0ENSMUSGC	877.5923	0.097183	0.089993	1.079892	0.28019	0.72136	Mrps23
ENSMUSG0ENSMUSGC	43.4288	-0.19411	0.14381	-1.34975	0.177097	0.619699	1700082M
ENSMUSG0ENSMUSGC	228.2601	-0.0588	0.122162	-0.48134	0.630276	0.911457	Rhebl1
ENSMUSG0ENSMUSGC	867.9102	-0.02382	0.089392	-0.26651	0.789843	0.954487	Sfi1
ENSMUSG0ENSMUSGC	549.0241	0.196536	0.101028	1.945361	0.051731	0.368012	Pigx
ENSMUSG0ENSMUSGC	136.3514	-0.06848	0.112537	-0.60852	0.54284	0.875214	Pisd-ps2
ENSMUSG0ENSMUSGC	84.94554	-0.08052	0.144189	-0.55842	0.576557	0.890536	Synj2
ENSMUSG0ENSMUSGC	1649.51	0.111591	0.082001	1.360846	0.173562	0.615486	Rsph3b
ENSMUSG0ENSMUSGC	3735.538	0.168624	0.095075	1.773581	0.076132	0.438116	Rps6ka2
ENSMUSG0ENSMUSGC	124.4155	0.13222	0.145947	0.905945	0.364965	0.782125	Park2
ENSMUSG0ENSMUSGC	619.8761	0.018323	0.135557	0.135172	0.892476	0.979424	Agpat4
ENSMUSG0ENSMUSGC	3552.238	-0.23312	0.116318	-2.00416	0.045053	0.342308	Igf2r
ENSMUSG0ENSMUSGC	2253.744	0.419429	0.100244	4.184082	2.86E-05	0.003189	Acat2
ENSMUSG0ENSMUSGC	301.3217	0.022785	0.141256	0.161304	0.871854	0.975692	Lnpep
ENSMUSG0ENSMUSGC	2077.582	0.023388	0.077556	0.301563	0.762985	0.946679	Chd1
ENSMUSG0ENSMUSGC	5234.698	-0.01358	0.097779	-0.13893	0.889504	0.978618	Mpc1
ENSMUSG0ENSMUSGC	2456.202	0.170356	0.116222	1.465773	0.14271	0.572013	Pde10a
ENSMUSG0ENSMUSGC	266.3095	0.004359	0.102784	0.04241	0.966172	0.994967	Zfp54
ENSMUSG0ENSMUSGC	3244.869	0.082349	0.138794	0.593316	0.55297	0.880925	Phf10
ENSMUSG0ENSMUSGC	391.4226	-0.03212	0.086324	-0.37208	0.709831	0.934993	Zfp51
ENSMUSG0ENSMUSGC	2605.248	0.129123	0.129523	0.996916	0.318805	0.75032	Hcfc1r1
ENSMUSG0ENSMUSGC	1105.095	-0.1029	0.130101	-0.79093	0.428986	0.815457	Tnfrsf12a
ENSMUSG0ENSMUSGC	1598.399	0.094562	0.067866	1.39337	0.163508	0.602567	Pkmyt1
ENSMUSG0ENSMUSGC	1202.106	-0.06404	0.085645	-0.74779	0.454587	0.829099	Paqr4
ENSMUSG0ENSMUSGC	646.1389	0.02702	0.132412	0.204058	0.838308	0.965671	Flywch2
ENSMUSG0ENSMUSGC	294.3687	-0.12699	0.111575	-1.13814	0.25506	0.701321	Slc25a27
ENSMUSG0ENSMUSGC	1539.929	-0.02445	0.127759	-0.19137	0.848238	0.968781	Tnfrsf21
ENSMUSG0ENSMUSGC	1059.619	0.232198	0.080543	2.882909	0.00394	0.090354	Cenpq
ENSMUSG0ENSMUSGC	1098.467	0.081892	0.068112	1.202316	0.229241	0.679438	Mut
ENSMUSG0ENSMUSGC	798.7161	-0.18052	0.074283	-2.43023	0.015089	0.192641	Tbc1d5
ENSMUSG0ENSMUSGC	601.02	-0.53686	0.128987	-4.16213	3.15E-05	0.003426	Satb1
ENSMUSG0ENSMUSGC	3718.489	0.017931	0.078121	0.229533	0.818455	0.959879	Cdc5l
ENSMUSG0ENSMUSGC	38.52802	-0.11291	0.143732	-0.78554	0.432135	0.816305	Spats1
ENSMUSG0ENSMUSGC	641.1459	0.025627	0.079315	0.323107	0.746614	0.94142	Aars2
ENSMUSG0ENSMUSGC	1262.562	0.320851	0.109286	2.935879	0.003326	0.080982	Mrpl14
ENSMUSG0ENSMUSGC	1150.937	0.027798	0.099399	0.279661	0.779738	0.951422	Sgo1
ENSMUSG0ENSMUSGC	3999.658	0.008918	0.094652	0.094222	0.924933	0.985705	Slc29a1
ENSMUSG0ENSMUSGC	50887.63	0.233709	0.060256	3.878605	0.000105	0.008409	Hsp90ab1
ENSMUSG0ENSMUSGC	247.6187	-0.11326	0.100115	-1.13131	0.257925	0.702822	Nfkbie
ENSMUSG0ENSMUSGC	12119.49	-0.09531	0.133462	-0.71411	0.475162	0.842373	Vegfa
ENSMUSG0ENSMUSGC	1704.155	-0.13887	0.104681	-1.32658	0.184648	0.631891	Gtppb2
ENSMUSG0ENSMUSGC	833.5056	0.073837	0.112329	0.657324	0.510973	0.860852	Polh
ENSMUSG0ENSMUSGC	41.25359	0.24171	0.128827	1.876234	0.060623	0.396828	Clic5
ENSMUSG0ENSMUSGC	4902.35	0.073617	0.078949	0.932465	0.351096	0.772654	Enpp5
ENSMUSG0ENSMUSGC	1721.106	-0.01145	0.091851	-0.12462	0.900821	0.981243	Enpp4
ENSMUSG0ENSMUSGC	627.1874	-0.00944	0.083379	-0.11323	0.909847	0.983197	Cyp39a1

ENSMUSG0ENSMUSGC	1569.665	-0.17454	0.081986	-2.12889	0.033264	0.292908	Fbxl17
ENSMUSG0ENSMUSGC	527.2786	0.026471	0.119565	0.221391	0.824788	0.962281	Rsph9
ENSMUSG0ENSMUSGC	1712.24	0.096603	0.086034	1.122843	0.261504	0.705232	Mrps18a
ENSMUSG0ENSMUSGC	486.7479	0.035644	0.094135	0.378651	0.704947	0.93471	Rrp36
ENSMUSG0ENSMUSGC	2221.364	0.055005	0.079675	0.690373	0.489959	0.851509	Cnpy3
ENSMUSG0ENSMUSGC	2306.418	-0.00767	0.122977	-0.06238	0.95026	0.991323	Ubr2
ENSMUSG0ENSMUSGC	396.3679	-0.12515	0.108598	-1.15244	0.249142	0.696015	Taf8
ENSMUSG0ENSMUSGC	47.93727	-0.0252	0.14424	-0.1747	0.861317	0.972861	Guca1a
ENSMUSG0ENSMUSGC	1111.592	0.285075	0.07203	3.957699	7.57E-05	0.006784	Bysl
ENSMUSG0ENSMUSGC	466.5892	-0.01303	0.095776	-0.13602	0.891807	0.979424	Tfeb
ENSMUSG0ENSMUSGC	1742.998	-0.08631	0.075695	-1.14021	0.2542	0.700275	Foxp4
ENSMUSG0ENSMUSGC	972.5527	-0.08443	0.09804	-0.86116	0.389149	0.794584	Nfya
ENSMUSG0ENSMUSGC	3109.769	0.083302	0.090194	0.923592	0.355699	0.774872	Brd4
ENSMUSG0ENSMUSGC	2563.287	0.079145	0.056351	1.404508	0.160168	0.598934	Stk38
ENSMUSG0ENSMUSGC	2429.99	0.124745	0.07597	1.642022	0.100585	0.493766	Ppil1
ENSMUSG0ENSMUSGC	76.08218	-0.52609	0.144625	-3.63758	0.000275	0.01582	Cpne5
ENSMUSG0ENSMUSGC	47.33552	-0.05836	0.145755	-0.4004	0.688864	0.931451	Pi16
ENSMUSG0ENSMUSGC	14969.35	0.118559	0.112978	1.049394	0.293997	0.733729	Mtch1
ENSMUSG0ENSMUSGC	347.4604	0.068924	0.117635	0.585915	0.557933	0.882863	Pim1
ENSMUSG0ENSMUSGC	652.0636	0.266977	0.123308	2.165116	0.030379	0.279438	Ccdc167
ENSMUSG0ENSMUSGC	2324.718	0.043845	0.073787	0.59421	0.552371	0.880461	Cmtr1
ENSMUSG0ENSMUSGC	1630.582	0.229566	0.101127	2.270068	0.023203	0.242882	Glo1
ENSMUSG0ENSMUSGC	1759.361	0.046302	0.14147	0.327292	0.743447	0.940717	Glp1r
ENSMUSG0ENSMUSGC	86.40028	-0.02514	0.138895	-0.181	0.856368	0.971491	Tff3
ENSMUSG0ENSMUSGC	2128.542	-0.05581	0.144723	-0.38565	0.699759	0.933914	Abcg1
ENSMUSG0ENSMUSGC	251.888	0.090289	0.134886	0.669373	0.503257	0.856225	Rsph1
ENSMUSG0ENSMUSGC	1126.234	-0.51023	0.08102	-6.29754	3.02E-10	4.49E-07	Slc37a1
ENSMUSG0ENSMUSGC	895.6918	0.047274	0.080641	0.586223	0.557726	0.882863	Wdr4
ENSMUSG0ENSMUSGC	3950.698	0.086766	0.106871	0.811878	0.416862	0.808853	Ndufv3
ENSMUSG0ENSMUSGC	5386.702	0.201182	0.077432	2.59818	0.009372	0.14804	Cbs
ENSMUSG0ENSMUSGC	631.4575	0.245011	0.103322	2.37134	0.017724	0.207907	Sik1
ENSMUSG0ENSMUSGC	6520.412	-0.02987	0.064444	-0.46347	0.643028	0.914852	Epb41l3
ENSMUSG0ENSMUSGC	2732.627	0.073652	0.067632	1.089013	0.276148	0.717892	Akap8
ENSMUSG0ENSMUSGC	2419.02	0.02913	0.121587	0.239582	0.810655	0.95838	Myl12a
ENSMUSG0ENSMUSGC	2801.038	0.037377	0.067577	0.553103	0.580193	0.892821	Wiz
ENSMUSG0ENSMUSGC	725.1618	0.023291	0.127878	0.182138	0.855474	0.970971	Lpin2
ENSMUSG0ENSMUSGC	2686.921	0.075019	0.07459	1.005747	0.314537	0.747423	Smchd1
ENSMUSG0ENSMUSGC	244.2994	-0.09032	0.133209	-0.67801	0.497763	0.853814	Cyp4f13
ENSMUSG0ENSMUSGC	2358.288	0.082483	0.072781	1.133297	0.257089	0.702333	Ndc80
ENSMUSG0ENSMUSGC	2162.587	-0.47991	0.09211	-5.21023	1.89E-07	8.69E-05	Lbh
ENSMUSG0ENSMUSGC	2087.258	-0.24701	0.132159	-1.86906	0.061615	0.39942	Galnt14
ENSMUSG0ENSMUSGC	291.9014	-0.41999	0.092281	-4.55115	5.34E-06	0.001046	Ehd3
ENSMUSG0ENSMUSGC	1906.526	0.096747	0.105382	0.918059	0.358588	0.77636	Dpy30
ENSMUSG0ENSMUSGC	1529.886	0.303276	0.074731	4.058228	4.94E-05	0.00497	Spast
ENSMUSG0ENSMUSGC	533.0496	-0.01165	0.088388	-0.13185	0.895106	0.97993	Slc30a6
ENSMUSG0ENSMUSGC	80.20974	-0.06078	0.145305	-0.41832	0.675712	0.927604	Prkd3
ENSMUSG0ENSMUSGC	2095.934	-0.04572	0.08502	-0.5378	0.590712	0.895697	Yipf4
ENSMUSG0ENSMUSGC	3330.417	0.057067	0.070462	0.809896	0.418	0.810121	Birc6
ENSMUSG0ENSMUSGC	1084.384	0.05537	0.094733	0.584486	0.558894	0.883378	Strn
ENSMUSG0ENSMUSGC	540.2326	0.060194	0.080229	0.750274	0.45309	0.82761	Ttc27
ENSMUSG0ENSMUSGC	475.9409	0.036279	0.129866	0.279358	0.77997	0.951422	Eif2ak2
ENSMUSG0ENSMUSGC	1639.17	0.019504	0.085057	0.229308	0.81863	0.959879	Cebpz

ENSMUSG0ENSMUSGC	877.1554	0.156968	0.084392	1.85999	0.062887	0.404145	Ndufaf7
ENSMUSG0ENSMUSGC	4505.007	0.139703	0.100415	1.391255	0.164148	0.603036	Pja2
ENSMUSG0ENSMUSGC	70.55313	-0.0508	0.145596	-0.34893	0.727141	0.938587	Qpct
ENSMUSG0ENSMUSGC	363.3702	-0.19655	0.126568	-1.55289	0.12045	0.533406	Man2a1
ENSMUSG0ENSMUSGC	3419.347	0.029689	0.06624	0.448211	0.654001	0.919901	Vapa
ENSMUSG0ENSMUSGC	2575.832	-0.01822	0.06975	-0.26119	0.793947	0.955378	Hnrnp1l
ENSMUSG0ENSMUSGC	2086.808	0.080176	0.07968	1.006222	0.314309	0.7474	Ralbp1
ENSMUSG0ENSMUSGC	6916.529	0.036768	0.064784	0.567546	0.570343	0.888936	Srsf7
ENSMUSG0ENSMUSGC	10017.2	-0.1119	0.115037	-0.97272	0.330693	0.757288	Twsg1
ENSMUSG0ENSMUSGC	5329.642	0.183595	0.103215	1.778765	0.075278	0.435962	Ndufv2
ENSMUSG0ENSMUSGC	1296.999	0.20285	0.068467	2.962755	0.003049	0.076179	Washc1
ENSMUSG0ENSMUSGC	2043.937	0.074201	0.092087	0.805767	0.420377	0.811477	Washc2
ENSMUSG0ENSMUSGC	896.7752	0.066553	0.104197	0.638726	0.523001	0.867042	Nrxn1
ENSMUSG0ENSMUSGC	152.3394	0.002726	0.137801	0.019779	0.98422	0.997439	Cacna1h
ENSMUSG0ENSMUSGC	984.8526	0.041013	0.069523	0.589923	0.555242	0.881939	Tedc2
ENSMUSG0ENSMUSGC	4279.615	0.178957	0.102785	1.741081	0.081669	0.451665	Lrpprc
ENSMUSG0ENSMUSGC	21891.75	0.155285	0.080594	1.926751	0.054011	0.37568	Atp6v0c
ENSMUSG0ENSMUSGC	2621.622	0.049678	0.103753	0.478814	0.632071	0.911472	Pdpk1
ENSMUSG0ENSMUSGC	3105.918	0.031213	0.112184	0.278229	0.780836	0.95154	Prepl
ENSMUSG0ENSMUSGC	3321.821	0.057398	0.106875	0.537062	0.591225	0.895697	Abca3
ENSMUSG0ENSMUSGC	39.21349	-0.01698	0.144529	-0.1175	0.906466	0.982338	Slc3a1
ENSMUSG0ENSMUSGC	580.3498	0.091876	0.130411	0.704511	0.481115	0.846451	Eci1
ENSMUSG0ENSMUSGC	156.4629	-0.09129	0.145801	-0.62616	0.531211	0.870397	Six2
ENSMUSG0ENSMUSGC	912.9055	0.120222	0.098272	1.223361	0.221194	0.671829	Srbd1
ENSMUSG0ENSMUSGC	93.88433	-0.13509	0.135974	-0.9935	0.320468	0.750867	Dnase1l2
ENSMUSG0ENSMUSGC	648.5494	-0.01314	0.076383	-0.17198	0.863455	0.973533	E4f1
ENSMUSG0ENSMUSGC	1316.868	-0.14251	0.072821	-1.95698	0.05035	0.362811	Mlst8
ENSMUSG0ENSMUSGC	1205.284	-0.21096	0.143793	-1.46708	0.142355	0.571875	Rhoq
ENSMUSG0ENSMUSGC	725.0654	0.085547	0.094953	0.900939	0.367621	0.78373	Pigf
ENSMUSG0ENSMUSGC	1816.709	-0.02099	0.081151	-0.25866	0.795899	0.955463	Cript
ENSMUSG0ENSMUSGC	1899.149	-0.39869	0.122417	-3.25682	0.001127	0.039633	Mcfcd2
ENSMUSG0ENSMUSGC	1648.732	0.058041	0.066444	0.873521	0.382379	0.790739	Msh2
ENSMUSG0ENSMUSGC	3408.258	0.084645	0.094882	0.892109	0.372335	0.786504	Hagh
ENSMUSG0ENSMUSGC	1296.069	0.230434	0.099315	2.320232	0.020328	0.225501	Spsb3
ENSMUSG0ENSMUSGC	4855.736	-0.0469	0.082599	-0.56776	0.5702	0.888936	Mapk8ip3
ENSMUSG0ENSMUSGC	6658.089	0.121819	0.074559	1.633865	0.102287	0.49864	Jpt2
ENSMUSG0ENSMUSGC	1018.72	-0.1378	0.080521	-1.71138	0.087011	0.464219	Ift140
ENSMUSG0ENSMUSGC	713.4916	-0.06217	0.102228	-0.60812	0.543111	0.875214	Telo2
ENSMUSG0ENSMUSGC	49.34381	-0.30423	0.141846	-2.14482	0.031968	0.286709	St6gal2
ENSMUSG0ENSMUSGC	116.8334	-0.01362	0.111226	-0.12245	0.902546	0.981785	Pot1b
ENSMUSG0ENSMUSGC	123.7675	-0.0638	0.142896	-0.44647	0.65526	0.920184	Nme4
ENSMUSG0ENSMUSGC	2188.551	-0.18331	0.105258	-1.74158	0.081582	0.451558	Tmem8
ENSMUSG0ENSMUSGC	3384.536	0.196654	0.098107	2.004492	0.045017	0.342308	Mrpl28
ENSMUSG0ENSMUSGC	2031.22	0.016905	0.085838	0.196941	0.843873	0.967664	Axin1
ENSMUSG0ENSMUSGC	1673.872	-0.20401	0.141882	-1.4379	0.150462	0.583809	Rgs11
ENSMUSG0ENSMUSGC	4961.698	-0.1681	0.087049	-1.93108	0.053473	0.37491	Fam234a
ENSMUSG0ENSMUSGC	2529.984	-0.04018	0.05769	-0.69641	0.486173	0.849055	Luc7l
ENSMUSG0ENSMUSGC	1621.648	0.147035	0.129289	1.137264	0.255428	0.701792	Dusp1
ENSMUSG0ENSMUSGC	828.6035	-0.00921	0.091697	-0.10041	0.920018	0.985705	Snip1
ENSMUSG0ENSMUSGC	1344.545	0.062659	0.101102	0.619759	0.535417	0.872582	Phf1
ENSMUSG0ENSMUSGC	2720.365	0.142843	0.088975	1.605435	0.108398	0.510418	Cuta
ENSMUSG0ENSMUSGC	2161.567	-0.00855	0.144529	-0.05919	0.952801	0.992357	Kdm4b

ENSMUSG0ENSMUSGC	506.4563	0.04618	0.106413	0.433974	0.664307	0.924679	Rfx2
ENSMUSG0ENSMUSGC	4691.214	0.12732	0.123802	1.02841	0.303757	0.739759	Uqcc2
ENSMUSG0ENSMUSGC	75.9649	-0.34298	0.138663	-2.47351	0.013379	0.180648	1700061G1
ENSMUSG0ENSMUSGC	2019.916	0.178962	0.053689	3.333317	0.000858	0.033718	Millt1
ENSMUSG0ENSMUSGC	2536.369	0.109685	0.081796	1.340949	0.179937	0.624084	Nudt3
ENSMUSG0ENSMUSGC	2212.958	0.221756	0.106672	2.078864	0.03763	0.314792	Snrpc
ENSMUSG0ENSMUSGC	853.0873	-0.0809	0.094308	-0.85787	0.390965	0.794949	Taf11
ENSMUSG0ENSMUSGC	1675.449	0.000768	0.061645	0.012456	0.990061	0.998539	Anks1
ENSMUSG0ENSMUSGC	1439.312	-0.27038	0.114981	-2.3515	0.018698	0.21589	Zfp523
ENSMUSG0ENSMUSGC	2326.347	-0.05317	0.126306	-0.421	0.673755	0.927575	Fkbp5
ENSMUSG0ENSMUSGC	188.7505	0.082269	0.127947	0.642993	0.520229	0.865356	Nudt12
ENSMUSG0ENSMUSGC	1045.051	0.048726	0.080486	0.605396	0.544916	0.875467	Cul2
ENSMUSG0ENSMUSGC	1291.622	-0.14411	0.14457	-0.99684	0.318841	0.75032	Bambi
ENSMUSG0ENSMUSGC	437.8275	0.066448	0.087284	0.761284	0.446488	0.824037	Mtpap
ENSMUSG0ENSMUSGC	43.47354	-0.09587	0.145973	-0.65674	0.511346	0.860852	Map3k8
ENSMUSG0ENSMUSGC	646.0937	-0.18817	0.144088	-1.30592	0.191579	0.638563	Svil
ENSMUSG0ENSMUSGC	250.1079	-0.06837	0.102735	-0.66555	0.5057	0.858046	Zeb1
ENSMUSG0ENSMUSGC	740.7089	-0.11295	0.087549	-1.29015	0.197	0.643523	Epc1
ENSMUSG0ENSMUSGC	1420.658	0.046533	0.111405	0.417694	0.676171	0.927679	Sos1
ENSMUSG0ENSMUSGC	1066.02	-0.02329	0.10139	-0.22969	0.818331	0.959879	Map4k3
ENSMUSG0ENSMUSGC	95.43145	-0.04965	0.12947	-0.3835	0.70135	0.934077	Thumpd2
ENSMUSG0ENSMUSGC	6345.24	0.040666	0.091029	0.446733	0.655068	0.920068	Pkdcc
ENSMUSG0ENSMUSGC	6769.273	0.059259	0.103967	0.569981	0.56869	0.888146	Cox7a2l
ENSMUSG0ENSMUSGC	631.0774	-0.04008	0.091824	-0.43644	0.662519	0.924603	Thada
ENSMUSG0ENSMUSGC	638.529	-0.22804	0.11042	-2.06521	0.038903	0.32091	Dync2li1
ENSMUSG0ENSMUSGC	1023.623	0.168989	0.096473	1.751667	0.079831	0.44686	Polr2d
ENSMUSG0ENSMUSGC	3336.098	-0.00971	0.079937	-0.12142	0.903362	0.982046	Slc25a46
ENSMUSG0ENSMUSGC	1616.677	0.020427	0.081129	0.251781	0.801211	0.956594	Sap130
ENSMUSG0ENSMUSGC	9456.092	0.168584	0.0683	2.468276	0.013577	0.181916	Syt4
ENSMUSG0ENSMUSGC	2867.378	0.007729	0.083242	0.092844	0.926027	0.985705	Celf4
ENSMUSG0ENSMUSGC	1112.176	0.172805	0.124784	1.384836	0.166103	0.605329	Tpgs2
ENSMUSG0ENSMUSGC	4350.475	-0.01634	0.103916	-0.15724	0.875058	0.97593	Slc39a6
ENSMUSG0ENSMUSGC	3023.187	0.027746	0.063839	0.434621	0.663837	0.924679	Elp2
ENSMUSG0ENSMUSGC	475.5813	0.013644	0.104046	0.131133	0.89567	0.98027	2700062C0
ENSMUSG0ENSMUSGC	1129.04	-0.06166	0.119315	-0.51681	0.605286	0.902142	Zfp397
ENSMUSG0ENSMUSGC	4636.153	0.010887	0.071834	0.151556	0.879537	0.97663	Mapre2
ENSMUSG0ENSMUSGC	3489.014	0.008367	0.098157	0.085243	0.932068	0.986608	Wac
ENSMUSG0ENSMUSGC	2451.722	-0.00993	0.055811	-0.17789	0.85881	0.972445	Ccny
ENSMUSG0ENSMUSGC	1581.515	0.073137	0.069781	1.048102	0.294592	0.733828	Thoc1
ENSMUSG0ENSMUSGC	1948.183	0.021039	0.117982	0.178328	0.858466	0.972302	Rock1
ENSMUSG0ENSMUSGC	968.663	-0.21504	0.069167	-3.10903	0.001877	0.054544	Esco1
ENSMUSG0ENSMUSGC	1884.871	-0.08057	0.060324	-1.33564	0.181668	0.627797	Mib1
ENSMUSG0ENSMUSGC	38.96781	0.151895	0.1457	1.042513	0.297174	0.735615	Cyp4f41-ps
ENSMUSG0ENSMUSGC	220.6553	0.116554	0.145852	0.799126	0.424218	0.813996	Zfp871
ENSMUSG0ENSMUSGC	1305.646	-0.01438	0.099552	-0.14446	0.88514	0.977581	Kifc5b
ENSMUSG0ENSMUSGC	110.9379	-0.27003	0.144587	-1.86758	0.061821	0.400368	Dtna
ENSMUSG0ENSMUSGC	4410.697	-0.15481	0.087942	-1.76034	0.07835	0.443959	Cdh2
ENSMUSG0ENSMUSGC	7524.892	-0.03269	0.069949	-0.46739	0.640219	0.914198	Tapbp
ENSMUSG0ENSMUSGC	1834.371	0.075738	0.113932	0.664766	0.5062	0.858351	Pfdn6
ENSMUSG0ENSMUSGC	931.9532	0.149524	0.070935	2.107905	0.035039	0.303099	Wdr46
ENSMUSG0ENSMUSGC	642.6143	0.110143	0.089194	1.234865	0.216881	0.667829	Rnf138
ENSMUSG0ENSMUSGC	2564.046	0.023956	0.090321	0.265233	0.79083	0.954487	Vps52

ENSMUSG0ENSMUSGC	779.9421	-0.09132	0.097238	-0.9391	0.347678	0.769336	Ring1
ENSMUSG0ENSMUSGC	7990.028	0.04517	0.063429	0.712137	0.47638	0.843045	Slc39a7
ENSMUSG0ENSMUSGC	310.6522	-0.40489	0.137314	-2.94868	0.003191	0.078629	Col11a2
ENSMUSG0ENSMUSGC	1334.796	0.094293	0.117222	0.804398	0.421167	0.812025	Dsc2
ENSMUSG0ENSMUSGC	7314.854	-0.08862	0.082765	-1.0708	0.28426	0.725105	Brd2
ENSMUSG0ENSMUSGC	131.1683	-0.21945	0.143645	-1.5277	0.126588	0.544085	Psmb8
ENSMUSG0ENSMUSGC	225.7033	-0.3793	0.11909	-3.18495	0.001448	0.045968	Tap2
ENSMUSG0ENSMUSGC	2252.647	0.092927	0.119199	0.779598	0.435627	0.818186	Pfdn1
ENSMUSG0ENSMUSGC	1549.57	0.12683	0.082502	1.537297	0.124221	0.53891	Dnajc18
ENSMUSG0ENSMUSGC	230.4513	0.128286	0.104921	1.22269	0.221447	0.671829	Spata24
ENSMUSG0ENSMUSGC	1403.896	-0.21078	0.084179	-2.50395	0.012282	0.171688	Sil1
ENSMUSG0ENSMUSGC	10668.87	0.083391	0.12134	0.687251	0.491924	0.852803	Hspa9
ENSMUSG0ENSMUSGC	5396.693	0.219045	0.07017	3.121626	0.001799	0.052954	Etf1
ENSMUSG0ENSMUSGC	2233.325	0.099584	0.136564	0.729211	0.465873	0.83678	Gfra3
ENSMUSG0ENSMUSGC	3475.822	0.158156	0.100661	1.571177	0.116141	0.525543	Nelfe
ENSMUSG0ENSMUSGC	2248.352	0.104432	0.093142	1.121219	0.262195	0.705689	Cdc23
ENSMUSG0ENSMUSGC	696.7975	0.271859	0.139526	1.948452	0.051361	0.366351	Epb41l4a
ENSMUSG0ENSMUSGC	3219.315	0.14084	0.138378	1.017791	0.308777	0.743404	Stard4
ENSMUSG0ENSMUSGC	645.3987	-0.06372	0.093594	-0.68078	0.496008	0.853814	Bin1
ENSMUSG0ENSMUSGC	1241.947	0.134076	0.082397	1.627185	0.103698	0.500588	Ercc3
ENSMUSG0ENSMUSGC	1634.903	-0.02641	0.10131	-0.26065	0.794365	0.955378	Map3k2
ENSMUSG0ENSMUSGC	1893.065	0.010631	0.071213	0.149283	0.88133	0.97678	lws1
ENSMUSG0ENSMUSGC	3569.687	0.107113	0.089382	1.198381	0.230769	0.68059	Csnk2b
ENSMUSG0ENSMUSGC	59.17645	0.020293	0.085531	0.237258	0.812457	0.958721	Myo7b
ENSMUSG0ENSMUSGC	7936.689	-0.02343	0.058067	-0.40343	0.686631	0.931173	Bag6
ENSMUSG0ENSMUSGC	13598.36	0.111314	0.111896	0.994796	0.319835	0.750709	Prrc2a
ENSMUSG0ENSMUSGC	2262.615	0.089769	0.079724	1.125989	0.26017	0.704211	Wdr33
ENSMUSG0ENSMUSGC	509.6042	-0.05853	0.090282	-0.64828	0.516801	0.86326	Atp6v1g2
ENSMUSG0ENSMUSGC	2427.259	-0.01261	0.058983	-0.21371	0.830773	0.963218	Riok3
ENSMUSG0ENSMUSGC	1021.497	0.175515	0.082524	2.126838	0.033434	0.293631	3110002H1
ENSMUSG0ENSMUSGC	50.67402	0.118968	0.115344	1.031425	0.302342	0.739759	Aqp4
ENSMUSG0ENSMUSGC	1042.085	-0.37448	0.079637	-4.70233	2.57E-06	0.000564	Npc1
ENSMUSG0ENSMUSGC	1002.842	0.072228	0.10904	0.662403	0.507713	0.858898	Mrpl27
ENSMUSG0ENSMUSGC	1636.971	0.08984	0.112916	0.795638	0.426243	0.81459	Dhx16
ENSMUSG0ENSMUSGC	1733.508	0.275033	0.107595	2.556196	0.010582	0.158985	Impact
ENSMUSG0ENSMUSGC	84.41914	-0.11852	0.145697	-0.81344	0.415965	0.808403	Ttc39c
ENSMUSG0ENSMUSGC	5363.269	0.034172	0.075407	0.45316	0.650433	0.918867	Ndfip1
ENSMUSG0ENSMUSGC	506.891	0.049067	0.084426	0.581179	0.561119	0.884506	Atat1
ENSMUSG0ENSMUSGC	447.1138	0.267051	0.131583	2.029528	0.042405	0.333069	Spry4
ENSMUSG0ENSMUSGC	2568.785	0.18309	0.076578	2.390899	0.016807	0.20313	Gnl1
ENSMUSG0ENSMUSGC	2614.999	0.030413	0.092262	0.329635	0.741675	0.94054	Nr3c1
ENSMUSG0ENSMUSGC	1308.839	-0.03194	0.078458	-0.40708	0.683946	0.930704	Mrps18b
ENSMUSG0ENSMUSGC	2829.188	-0.05954	0.067601	-0.88079	0.378431	0.789109	0610009O2
ENSMUSG0ENSMUSGC	532.3024	-0.00611	0.1081	-0.0565	0.954943	0.992605	Rpp21
ENSMUSG0ENSMUSGC	3438.7	0.130555	0.093294	1.399387	0.161697	0.601189	Hdac3
ENSMUSG0ENSMUSGC	2714.931	0.110296	0.084937	1.298566	0.194093	0.639485	Diaph1
ENSMUSG0ENSMUSGC	930.5907	-0.07135	0.097315	-0.73324	0.463414	0.835259	Trim26
ENSMUSG0ENSMUSGC	459.3066	-0.3644	0.100094	-3.64062	0.000272	0.015739	Gabbr1
ENSMUSG0ENSMUSGC	1293.48	0.10177	0.110292	0.922729	0.356149	0.774872	Dcp2
ENSMUSG0ENSMUSGC	3974.019	0.098059	0.052616	1.863692	0.062365	0.402526	Ik
ENSMUSG0ENSMUSGC	267.3609	0.002598	0.124414	0.020879	0.983342	0.997439	Pggt1b
ENSMUSG0ENSMUSGC	165.7172	-0.18187	0.146011	-1.24558	0.212917	0.662162	Mal2

ENSMUSG0ENSMUSG0	2460.484	0.139447	0.096846	1.439887	0.1499	0.582981	Ap3s1
ENSMUSG0ENSMUSG0	2854.12	0.024234	0.090268	0.26847	0.788337	0.954285	Ankhd1
ENSMUSG0ENSMUSG0	750.001	-0.20071	0.099746	-2.01222	0.044196	0.338745	Hbegf
ENSMUSG0ENSMUSG0	3347.015	0.036436	0.075312	0.483798	0.628529	0.910993	Yipf5
ENSMUSG0ENSMUSG0	1066.004	0.095297	0.093488	1.01935	0.308037	0.743099	Rbm27
ENSMUSG0ENSMUSG0	2993.012	0.085589	0.082528	1.037086	0.299696	0.737987	Lars
ENSMUSG0ENSMUSG0	2330.487	0.06573	0.089305	0.736012	0.461723	0.833916	Tcerg1
ENSMUSG0ENSMUSG0	1038.879	-0.13562	0.145498	-0.93212	0.351277	0.772925	Ppp2r2b
ENSMUSG0ENSMUSG0	188.4862	0.270726	0.12899	2.098814	0.035833	0.306225	Dpysl3
ENSMUSG0ENSMUSG0	765.1102	0.08127	0.094649	0.858653	0.390532	0.794806	Jakmip2
ENSMUSG0ENSMUSG0	80.46168	0.050677	0.131403	0.385658	0.69975	0.933914	Dtwd2
ENSMUSG0ENSMUSG0	1593.311	0.038633	0.063558	0.607831	0.543299	0.875214	Hsd17b4
ENSMUSG0ENSMUSG0	3168.531	0.001502	0.073936	0.020309	0.983797	0.997439	Mbd2
ENSMUSG0ENSMUSG0	1623.988	-0.04196	0.107772	-0.38935	0.697015	0.933418	Smad4
ENSMUSG0ENSMUSG0	3106.139	0.061157	0.120482	0.507605	0.61173	0.904589	Sec11c
ENSMUSG0ENSMUSG0	112.4088	-0.20032	0.117592	-1.70349	0.088476	0.468935	Gnal
ENSMUSG0ENSMUSG0	141.2366	-0.11268	0.134386	-0.83846	0.401773	0.79975	Impa2
ENSMUSG0ENSMUSG0	2653.469	0.17984	0.05826	3.086866	0.002023	0.057306	Afg3l2
ENSMUSG0ENSMUSG0	337.5267	-0.03274	0.102133	-0.32051	0.748579	0.94212	Srfbp1
ENSMUSG0ENSMUSG0	352.0379	0.03206	0.08745	0.366617	0.713905	0.935647	Prelid3a
ENSMUSG0ENSMUSG0	1760.447	0.022548	0.0738	0.305527	0.759965	0.945851	Spire1
ENSMUSG0ENSMUSG0	472.3226	-0.05043	0.072329	-0.69729	0.485621	0.848425	Snx24
ENSMUSG0ENSMUSG0	1348.284	0.094755	0.096658	0.980313	0.326931	0.754362	Psmg2
ENSMUSG0ENSMUSG0	1128.136	0.125432	0.073784	1.699985	0.089134	0.470378	Ptpn2
ENSMUSG0ENSMUSG0	1834.862	0.139656	0.122157	1.143253	0.252934	0.69869	Cep192
ENSMUSG0ENSMUSG0	501.8955	-0.07781	0.109609	-0.70985	0.477795	0.843684	Ldlrad4
ENSMUSG0ENSMUSG0	790.8298	-0.09094	0.126765	-0.7174	0.473127	0.841779	Setbp1
ENSMUSG0ENSMUSG0	119.8078	0.250361	0.145991	1.714903	0.086363	0.463082	Slc14a2
ENSMUSG0ENSMUSG0	1143.295	-0.08599	0.131863	-0.65209	0.514344	0.862556	Galr1
ENSMUSG0ENSMUSG0	2725.062	0.128773	0.075173	1.713015	0.08671	0.464143	Me2
ENSMUSG0ENSMUSG0	307.1094	-0.17781	0.138239	-1.28628	0.198345	0.645235	Mapk4
ENSMUSG0ENSMUSG0	2421.077	-0.07452	0.062845	-1.1858	0.235701	0.684469	Cxxc1
ENSMUSG0ENSMUSG0	1136.442	-0.064	0.071278	-0.89796	0.369209	0.784801	Mbd1
ENSMUSG0ENSMUSG0	1195.839	0.088994	0.074299	1.197776	0.231004	0.68059	Smad2
ENSMUSG0ENSMUSG0	1547.044	0.063881	0.080169	0.796825	0.425553	0.81459	Atp9b
ENSMUSG0ENSMUSG0	1205.463	0.073526	0.100581	0.731015	0.46477	0.835932	Rbfa
ENSMUSG0ENSMUSG0	2920.223	-0.04165	0.103838	-0.40108	0.688361	0.931407	Gm16286
ENSMUSG0ENSMUSG0	96.13305	-0.00548	0.144299	-0.03795	0.96973	0.995539	Pde6a
ENSMUSG0ENSMUSG0	9045.813	0.08117	0.068239	1.189507	0.23424	0.68322	Csnk1a1
ENSMUSG0ENSMUSG0	516.5789	-0.08762	0.099698	-0.8789	0.379456	0.789814	Pcyox1l
ENSMUSG0ENSMUSG0	1048.007	0.016715	0.112434	0.148661	0.881822	0.97678	Grpel2
ENSMUSG0ENSMUSG0	1511.546	-0.14744	0.084521	-1.74441	0.081087	0.450319	Napg
ENSMUSG0ENSMUSG0	4953.266	0.153584	0.058301	2.63431	0.008431	0.139647	Txn1
ENSMUSG0ENSMUSG0	6796.573	0.091335	0.13772	0.663197	0.507204	0.85875	Nars
ENSMUSG0ENSMUSG0	2543.158	0.16754	0.114157	1.467631	0.142205	0.571875	Fech
ENSMUSG0ENSMUSG0	2427.362	0.245765	0.063562	3.866529	0.00011	0.008677	Nedd4l
ENSMUSG0ENSMUSG0	2791.813	-0.05502	0.062025	-0.88709	0.375033	0.787458	Lmnbl
ENSMUSG0ENSMUSG0	372.1617	-0.14618	0.112506	-1.29928	0.193848	0.639447	C330018D2
ENSMUSG0ENSMUSG0	2421.768	-0.05055	0.111623	-0.45282	0.650676	0.918867	Prrc1
ENSMUSG0ENSMUSG0	625.7647	0.029984	0.127862	0.234505	0.814593	0.959419	Slc12a2
ENSMUSG0ENSMUSG0	2953.312	-0.06149	0.087471	-0.703	0.482054	0.846451	Isoc1
ENSMUSG0ENSMUSG0	2334.435	0.088062	0.082256	1.070583	0.284357	0.725105	Dctn4

ENSMUSG0ENSMUSG0	1598.943	-0.04435	0.070458	-0.62942	0.529072	0.869382	Rbm22
ENSMUSG0ENSMUSG0	12574.58	0.094913	0.109614	0.865876	0.386558	0.792662	Rps14
ENSMUSG0ENSMUSG0	68.17364	-0.30096	0.142249	-2.11575	0.034366	0.299854	Cd74
ENSMUSG0ENSMUSG0	1267.875	0.06898	0.079874	0.863606	0.387804	0.793552	Tcof1
ENSMUSG0ENSMUSG0	2339.415	0.047721	0.085366	0.55901	0.576155	0.890536	Tmx3
ENSMUSG0ENSMUSG0	109.8176	-0.17981	0.145868	-1.23267	0.2177	0.668044	Camk2a
ENSMUSG0ENSMUSG0	1497.259	0.052823	0.082196	0.642639	0.520458	0.865425	Hmgxb3
ENSMUSG0ENSMUSG0	2475.166	0.11569	0.091589	1.263149	0.206536	0.653899	Gnaq
ENSMUSG0ENSMUSG0	8857.162	0.07156	0.140087	0.510827	0.609472	0.903796	Psat1
ENSMUSG0ENSMUSG0	365.7798	-0.03684	0.092269	-0.39926	0.689701	0.931588	Tle4
ENSMUSG0ENSMUSG0	631.2642	-0.15836	0.135843	-1.16577	0.243706	0.691346	Cndp2
ENSMUSG0ENSMUSG0	358.9346	-0.02104	0.089855	-0.23414	0.814873	0.959419	Timm21
ENSMUSG0ENSMUSG0	704.6877	0.149196	0.106803	1.396925	0.162436	0.601189	Cyb5a
ENSMUSG0ENSMUSG0	125.3458	-0.43089	0.144891	-2.97393	0.00294	0.074292	Cbln2
ENSMUSG0ENSMUSG0	1030.9	-0.0309	0.124683	-0.24785	0.804251	0.957462	Asrgl1
ENSMUSG0ENSMUSG0	3333.492	0.044236	0.064567	0.68512	0.493268	0.852803	Incenp
ENSMUSG0ENSMUSG0	13388.53	0.102653	0.091635	1.120232	0.262615	0.705745	Fth1
ENSMUSG0ENSMUSG0	147.7	-0.13474	0.103453	-1.30243	0.192768	0.639447	Rab3il1
ENSMUSG0ENSMUSG0	67.84174	0.011199	0.13372	0.083751	0.933254	0.986608	Fads3
ENSMUSG0ENSMUSG0	4373.691	0.070915	0.140942	0.503154	0.614856	0.9059	Fads2
ENSMUSG0ENSMUSG0	481.4438	0.003772	0.090601	0.041634	0.96679	0.994967	Tmem138
ENSMUSG0ENSMUSG0	297.9423	0.224876	0.097088	2.316214	0.020547	0.226793	Tmem216
ENSMUSG0ENSMUSG0	1069.796	-0.05222	0.061735	-0.84582	0.397652	0.798441	Sdhaf2
ENSMUSG0ENSMUSG0	1083.125	0.0345	0.09051	0.38117	0.703077	0.934077	Mrpl16
ENSMUSG0ENSMUSG0	3946.12	0.054183	0.068599	0.789852	0.429614	0.815671	Osbp
ENSMUSG0ENSMUSG0	4958.067	0.21077	0.078852	2.672967	0.007518	0.131356	Fam111a
ENSMUSG0ENSMUSG0	4928.839	0.085786	0.098224	0.873363	0.382465	0.790739	Zfp91
ENSMUSG0ENSMUSG0	105.0828	0.59645	0.137722	4.330813	1.49E-05	0.001947	Gna14
ENSMUSG0ENSMUSG0	4093.262	-0.08298	0.070176	-1.1824	0.237047	0.685845	Rfk
ENSMUSG0ENSMUSG0	705.5401	-0.04826	0.102987	-0.46864	0.639328	0.913804	Ostf1
ENSMUSG0ENSMUSG0	888.041	0.062228	0.08149	0.763622	0.445092	0.823581	Carnmt1
ENSMUSG0ENSMUSG0	760.504	0.109545	0.08661	1.264806	0.205941	0.653818	Ccdc86
ENSMUSG0ENSMUSG0	7257.203	0.026698	0.061803	0.431981	0.665755	0.925067	Prpf19
ENSMUSG0ENSMUSG0	2543.902	-0.09098	0.07125	-1.27692	0.201629	0.649284	Tmem132a
ENSMUSG0ENSMUSG0	12493.82	-0.0142	0.071483	-0.19861	0.842567	0.967078	Ddb1
ENSMUSG0ENSMUSG0	5485.55	-0.14282	0.092236	-1.54842	0.121522	0.534218	Fen1
ENSMUSG0ENSMUSG0	8148.093	0.014049	0.1252	0.112214	0.910654	0.983347	Syt7
ENSMUSG0ENSMUSG0	1604.619	-0.04201	0.073256	-0.57342	0.566362	0.887314	Zfand5
ENSMUSG0ENSMUSG0	1053.773	-0.19956	0.11041	-1.80745	0.070692	0.425044	Tmem2
ENSMUSG0ENSMUSG0	17396.14	0.19051	0.043319	4.397806	1.09E-05	0.001589	Rtn3
ENSMUSG0ENSMUSG0	3167.449	0.040491	0.106044	0.381833	0.702586	0.934077	Atl3
ENSMUSG0ENSMUSG0	2266.248	-0.26701	0.083391	-3.2019	0.001365	0.044187	Naa40
ENSMUSG0ENSMUSG0	3280.582	0.204731	0.122656	1.669148	0.095088	0.485131	Otub1
ENSMUSG0ENSMUSG0	1477.146	-0.09289	0.095438	-0.9733	0.330403	0.75708	Cdc42bpg
ENSMUSG0ENSMUSG0	998.4959	0.223555	0.065155	3.43111	0.000601	0.026519	Ehd1
ENSMUSG0ENSMUSG0	477.5975	0.034526	0.082887	0.416542	0.677014	0.927788	Atg2a
ENSMUSG0ENSMUSG0	1125.595	-0.04403	0.093076	-0.47309	0.636148	0.912525	Ppp2r5b
ENSMUSG0ENSMUSG0	1159.29	-0.15077	0.087861	-1.71602	0.086158	0.462936	Cdc37l1
ENSMUSG0ENSMUSG0	922.9689	-0.34488	0.104803	-3.2908	0.000999	0.036594	Lipa
ENSMUSG0ENSMUSG0	1347.954	-0.05176	0.087296	-0.59293	0.553225	0.880942	Ak3
ENSMUSG0ENSMUSG0	437.1156	-0.00222	0.087471	-0.02544	0.979707	0.996602	Rcl1
ENSMUSG0ENSMUSG0	1007.609	-0.05121	0.09754	-0.52505	0.599547	0.898925	Snx15

ENSMUSG0ENSMUSGC	758.511	-0.17376	0.07996	-2.17306	0.029776	0.276781	Jak2
ENSMUSG0ENSMUSGC	774.0828	0.013509	0.10469	0.129042	0.897325	0.980346	Sac3d1
ENSMUSG0ENSMUSGC	1207.107	0.090644	0.075116	1.206724	0.227538	0.676811	Cdca5
ENSMUSG0ENSMUSGC	892.8448	0.076846	0.094325	0.814695	0.415247	0.807961	Zfp11
ENSMUSG0ENSMUSGC	1727.904	0.092727	0.117799	0.787162	0.431187	0.816305	Kif20b
ENSMUSG0ENSMUSGC	2161.021	0.048371	0.112302	0.430725	0.666669	0.925067	Vps51
ENSMUSG0ENSMUSGC	942.83	0.454113	0.084303	5.386661	7.18E-08	4.17E-05	Tm7sf2
ENSMUSG0ENSMUSGC	731.5557	0.232061	0.086941	2.669186	0.007604	0.131824	Rpp30
ENSMUSG0ENSMUSGC	775.1191	0.202082	0.108053	1.870217	0.061454	0.398956	Pcgf5
ENSMUSG0ENSMUSGC	3666.157	-0.17428	0.092418	-1.88577	0.059325	0.392679	Syvn1
ENSMUSG0ENSMUSGC	5906.02	0.118474	0.094269	1.256769	0.208837	0.656985	Tnks2
ENSMUSG0ENSMUSGC	1241.584	-0.09448	0.071213	-1.32676	0.184587	0.631891	Tjp2
ENSMUSG0ENSMUSGC	858.3746	0.101243	0.077003	1.314796	0.188579	0.635906	Frmd8
ENSMUSG0ENSMUSGC	1487.725	0.046566	0.099049	0.470128	0.638264	0.913202	Uhrf2
ENSMUSG0ENSMUSGC	663.3249	0.191516	0.099869	1.917672	0.055153	0.379148	Rad9a
ENSMUSG0ENSMUSGC	2898.192	0.083371	0.084235	0.98975	0.322297	0.751983	Dpf2
ENSMUSG0ENSMUSGC	1147.045	0.086647	0.098957	0.875605	0.381245	0.79046	Mrpl21
ENSMUSG0ENSMUSGC	448.7469	-0.03037	0.100244	-0.30297	0.761911	0.946505	Rps6kb2
ENSMUSG0ENSMUSGC	386.0377	-0.04372	0.091698	-0.47684	0.633479	0.91238	Ighmbp2
ENSMUSG0ENSMUSGC	2620.19	0.222291	0.06837	3.251285	0.001149	0.039887	Pola2
ENSMUSG0ENSMUSGC	1788.838	-0.12416	0.094973	-1.3073	0.19111	0.638322	Coro1b
ENSMUSG0ENSMUSGC	1851.094	-0.2446	0.072333	-3.38156	0.000721	0.030014	Eif1ad
ENSMUSG0ENSMUSGC	4130.998	0.063219	0.106872	0.591539	0.554159	0.881343	Chka
ENSMUSG0ENSMUSGC	3951.115	0.047552	0.095607	0.49737	0.618928	0.907335	Banf1
ENSMUSG0ENSMUSGC	1468.729	-0.05329	0.098078	-0.54339	0.586864	0.894311	Tmem134
ENSMUSG0ENSMUSGC	163.6865	-0.15674	0.143413	-1.09293	0.274423	0.716737	Cst6
ENSMUSG0ENSMUSGC	1112.34	0.07343	0.087567	0.838562	0.401715	0.79975	Aip
ENSMUSG0ENSMUSGC	1484.128	0.139023	0.099339	1.399469	0.161672	0.601189	Pitpnm1
ENSMUSG0ENSMUSGC	10240.66	0.078761	0.054904	1.43453	0.151421	0.586171	Sf3b2
ENSMUSG0ENSMUSGC	366.9273	0.09295	0.129297	0.718892	0.472207	0.841375	Pold4
ENSMUSG0ENSMUSGC	2547.309	0.266272	0.121812	2.185931	0.028821	0.272837	Pacs1
ENSMUSG0ENSMUSGC	1069.171	0.124764	0.089851	1.388567	0.164964	0.603971	Cdk2ap2
ENSMUSG0ENSMUSGC	4370.705	-0.00207	0.103862	-0.01993	0.984102	0.997439	Grk2
ENSMUSG0ENSMUSGC	2320.309	-0.1475	0.095649	-1.54212	0.123045	0.535747	Klc2
ENSMUSG0ENSMUSGC	4645.532	-0.11029	0.126762	-0.87008	0.384256	0.79106	Pip5k1b
ENSMUSG0ENSMUSGC	60.31363	-0.28794	0.143805	-2.00229	0.045253	0.342526	Nudt8
ENSMUSG0ENSMUSGC	5995.427	0.084613	0.10425	0.811631	0.417003	0.808902	Rab1b
ENSMUSG0ENSMUSGC	57.25356	-0.11428	0.14544	-0.78576	0.432011	0.816305	Doc2g
ENSMUSG0ENSMUSGC	1599.027	0.155013	0.139648	1.110024	0.266989	0.710075	Cnih2
ENSMUSG0ENSMUSGC	2500.899	0.153902	0.083757	1.837477	0.06614	0.413684	Yif1a
ENSMUSG0ENSMUSGC	687.3645	-0.00709	0.09996	-0.07096	0.943428	0.989095	Cbwd1
ENSMUSG0ENSMUSGC	39.14636	-0.06334	0.145526	-0.43525	0.66338	0.924638	Rin1
ENSMUSG0ENSMUSGC	451.159	-0.35054	0.105199	-3.33212	0.000862	0.033718	Asah2
ENSMUSG0ENSMUSGC	1145.495	-0.3061	0.104143	-2.93924	0.00329	0.080621	Rce1
ENSMUSG0ENSMUSGC	274.0176	0.415425	0.131765	3.152764	0.001617	0.049928	Slc29a2
ENSMUSG0ENSMUSGC	5348.069	0.08337	0.086226	0.966872	0.333608	0.758949	Pcx
ENSMUSG0ENSMUSGC	1364.903	0.102464	0.063861	1.604477	0.108609	0.51097	Minpp1
ENSMUSG0ENSMUSGC	2022.52	0.039481	0.07268	0.543222	0.586977	0.894311	Apba1
ENSMUSG0ENSMUSGC	27705.71	-0.01002	0.08174	-0.1226	0.902422	0.981785	Papss2
ENSMUSG0ENSMUSGC	957.8262	-0.19005	0.118286	-1.60667	0.108127	0.510418	Cpt1a
ENSMUSG0ENSMUSGC	204.29	-0.28945	0.143211	-2.02112	0.043267	0.33585	Peli3
ENSMUSG0ENSMUSGC	1263.608	0.093505	0.107385	0.870749	0.383891	0.790917	Mrpl11

ENSMUSG0ENSMUSGC	1183.737	0.104174	0.118047	0.882483	0.377516	0.788723	Mus81
ENSMUSG0ENSMUSGC	4185.156	-0.09041	0.066708	-1.35534	0.175309	0.617729	Ppp6r3
ENSMUSG0ENSMUSGC	505.9992	0.065206	0.126891	0.513874	0.60734	0.903641	Efemp2
ENSMUSG0ENSMUSGC	1080.197	0.002698	0.104832	0.025736	0.979468	0.996602	Fibp
ENSMUSG0ENSMUSGC	51.54917	0.046418	0.135915	0.341521	0.732711	0.938791	Fosl1
ENSMUSG0ENSMUSGC	608.6629	-0.1039	0.112699	-0.92196	0.356551	0.774962	Lrp5
ENSMUSG0ENSMUSGC	2863.751	0.195985	0.120118	1.631607	0.102762	0.499318	Drap1
ENSMUSG0ENSMUSGC	3112.631	-0.08314	0.077125	-1.07803	0.281019	0.721619	Smarca2
ENSMUSG0ENSMUSGC	2397.263	-0.00895	0.134126	-0.06673	0.9468	0.99021	Vldlr
ENSMUSG0ENSMUSGC	1367.863	0.136791	0.116819	1.17096	0.241615	0.689436	Rnaseh2c
ENSMUSG0ENSMUSGC	1596.97	0.276258	0.075724	3.648201	0.000264	0.015425	Kat5
ENSMUSG0ENSMUSGC	2038.853	0.063837	0.065683	0.971907	0.331097	0.757395	Rela
ENSMUSG0ENSMUSGC	38.78902	-0.41442	0.145253	-2.85309	0.00433	0.095976	Slc1a1
ENSMUSG0ENSMUSGC	117.221	-0.05887	0.139445	-0.42219	0.672887	0.926902	Ehbp1l1
ENSMUSG0ENSMUSGC	953.7799	-0.01679	0.098663	-0.17018	0.864868	0.973828	Fam89b
ENSMUSG0ENSMUSGC	1012.311	-0.16699	0.093556	-1.78496	0.074267	0.433129	Ltbp3
ENSMUSG0ENSMUSGC	3621.172	0.106628	0.079477	1.341628	0.179717	0.623888	Scyl1
ENSMUSG0ENSMUSGC	1173.08	0.117277	0.128844	0.910224	0.362704	0.780559	Capn1
ENSMUSG0ENSMUSGC	1830.949	0.028164	0.083526	0.337194	0.73597	0.939161	Smc5
ENSMUSG0ENSMUSGC	2026.022	0.077887	0.116762	0.667055	0.504737	0.857065	Arl2
ENSMUSG0ENSMUSGC	1207.128	0.053855	0.102719	0.524296	0.600072	0.898993	Men1
ENSMUSG0ENSMUSGC	1367.129	-0.02331	0.077775	-0.29965	0.764442	0.947561	Map4k2
ENSMUSG0ENSMUSGC	3857.113	-0.01965	0.093754	-0.20962	0.833964	0.964464	Sf1
ENSMUSG0ENSMUSGC	935.5307	0.145141	0.124071	1.169825	0.242071	0.689488	Rps6ka4
ENSMUSG0ENSMUSGC	3534.365	0.225392	0.112932	1.995819	0.045954	0.344757	Prdx5
ENSMUSG0ENSMUSGC	905.7801	0.24091	0.10531	2.287614	0.02216	0.236972	Esrra
ENSMUSG0ENSMUSGC	1209.882	0.020704	0.126178	0.164088	0.869662	0.975011	Gpr137
ENSMUSG0ENSMUSGC	1516.571	0.296532	0.104286	2.843462	0.004463	0.097868	Bad
ENSMUSG0ENSMUSGC	644.5703	-0.07078	0.071192	-0.99427	0.320093	0.750867	Plcb3
ENSMUSG0ENSMUSGC	3114.947	0.097381	0.133491	0.729498	0.465697	0.836748	Vegfb
ENSMUSG0ENSMUSGC	530.125	0.060687	0.119833	0.506431	0.612554	0.904952	Dnajc4
ENSMUSG0ENSMUSGC	7842.834	0.245795	0.062558	3.929089	8.53E-05	0.007401	Stip1
ENSMUSG0ENSMUSGC	680.3324	0.147858	0.084872	1.742129	0.081486	0.451397	Rcor2
ENSMUSG0ENSMUSGC	2750.387	-0.14284	0.099904	-1.42976	0.152785	0.589042	Mark2
ENSMUSG0ENSMUSGC	501.9463	0.003379	0.095758	0.035284	0.971854	0.995539	Al846148
ENSMUSG0ENSMUSGC	229.8372	-0.3222	0.122744	-2.62495	0.008666	0.141491	Lgals12
ENSMUSG0ENSMUSGC	3780.626	0.085496	0.077963	1.096628	0.272804	0.715575	Smc3
ENSMUSG0ENSMUSGC	3955.973	0.070055	0.092086	0.760752	0.446805	0.824037	Pdcd4
ENSMUSG0ENSMUSGC	2286.456	0.090185	0.08537	1.056404	0.290784	0.730515	Shoc2
ENSMUSG0ENSMUSGC	274.2147	0.078205	0.141772	0.551625	0.581206	0.892821	Gpam
ENSMUSG0ENSMUSGC	6588.114	0.017095	0.067339	0.253869	0.799597	0.956574	Acsl5
ENSMUSG0ENSMUSGC	2044.535	-0.0608	0.05566	-1.09234	0.274682	0.716894	Zdhhc6
ENSMUSG0ENSMUSGC	849.468	0.072242	0.106975	0.675321	0.499472	0.854881	Vti1a
ENSMUSG0ENSMUSGC	673.4328	-0.20716	0.118084	-1.75436	0.079369	0.445582	Cep55
ENSMUSG0ENSMUSGC	9119.532	0.066269	0.103602	0.63965	0.5224	0.866905	Eif3a
ENSMUSG0ENSMUSGC	1221.028	0.036782	0.081039	0.453885	0.649912	0.918867	Fam45a
ENSMUSG0ENSMUSGC	2606.949	0.271155	0.096149	2.820141	0.0048	0.101688	Prdx3
ENSMUSG0ENSMUSGC	543.3098	-0.04226	0.071026	-0.59502	0.551831	0.880334	Noc3l
ENSMUSG0ENSMUSGC	3986.416	0.137674	0.104004	1.323733	0.185592	0.631891	Hells
ENSMUSG0ENSMUSGC	109.8889	-0.13882	0.145793	-0.95219	0.341003	0.763821	Sorbs1
ENSMUSG0ENSMUSGC	4180.301	0.059812	0.137911	0.433699	0.664507	0.924679	Aldh18a1
ENSMUSG0ENSMUSGC	773.0764	-0.07569	0.083736	-0.90397	0.366013	0.782723	Tctn3

ENSMUSG0ENSMUSG0	138.5583	-0.25908	0.132843	-1.95027	0.051145	0.365392	Ccnj
ENSMUSG0ENSMUSG0	9437.843	0.057016	0.081648	0.698315	0.48498	0.848425	Tm9sf3
ENSMUSG0ENSMUSG0	88.89638	-0.01967	0.145626	-0.1351	0.892532	0.979424	Lcor
ENSMUSG0ENSMUSG0	777.1227	0.063048	0.135068	0.466791	0.64065	0.914411	Slit1
ENSMUSG0ENSMUSG0	1642.891	0.079159	0.071116	1.113088	0.26567	0.708961	Smndc1
ENSMUSG0ENSMUSG0	1135.247	-0.17312	0.14516	-1.19259	0.233032	0.682501	Mxi1
ENSMUSG0ENSMUSG0	4583.269	-0.00635	0.110437	-0.05747	0.954168	0.99248	Add3
ENSMUSG0ENSMUSG0	3201.718	0.001022	0.085377	0.011976	0.990445	0.998539	Xpnpep1
ENSMUSG0ENSMUSG0	1016.131	0.064865	0.083613	0.775785	0.437876	0.819206	Trim8
ENSMUSG0ENSMUSG0	2296.873	0.188538	0.128253	1.470042	0.14155	0.571337	Arl3
ENSMUSG0ENSMUSG0	1241.973	0.070499	0.118445	0.5952	0.55171	0.880268	Sfxn2
ENSMUSG0ENSMUSG0	700.508	0.123166	0.103194	1.193536	0.232659	0.682307	Maoa
ENSMUSG0ENSMUSG0	46.04934	0.18368	0.138448	1.326706	0.184606	0.631891	Efhc2
ENSMUSG0ENSMUSG0	700.1545	-0.02886	0.073693	-0.39165	0.695314	0.933115	Fundc1
ENSMUSG0ENSMUSG0	2651.312	0.088749	0.066168	1.341266	0.179834	0.623888	Nt5c2
ENSMUSG0ENSMUSG0	1578.081	0.056715	0.085282	0.665031	0.506031	0.858281	Pdcd11
ENSMUSG0ENSMUSG0	446.4088	0.091109	0.098642	0.923633	0.355678	0.774872	Taf5
ENSMUSG0ENSMUSG0	759.3516	-0.14584	0.10332	-1.41157	0.158076	0.59683	Pcgf6
ENSMUSG0ENSMUSG0	277.424	0.184539	0.116449	1.584716	0.113031	0.518563	Gk
ENSMUSG0ENSMUSG0	1713.803	-0.09649	0.103455	-0.93267	0.35099	0.772548	Slk
ENSMUSG0ENSMUSG0	3165.404	0.141917	0.062482	2.271315	0.023128	0.242471	Sfr1
ENSMUSG0ENSMUSG0	577.0319	-0.15998	0.143205	-1.1171	0.26395	0.706972	Gsto1
ENSMUSG0ENSMUSG0	134.0199	-0.31097	0.1448	-2.1476	0.031746	0.286086	Casp7
ENSMUSG0ENSMUSG0	512.4457	-0.12186	0.111426	-1.09366	0.274106	0.716676	Dclre1a
ENSMUSG0ENSMUSG0	519.3409	0.10211	0.093925	1.087143	0.276974	0.71903	Nhlrc2
ENSMUSG0ENSMUSG0	640.4971	0.075645	0.108532	0.696984	0.485813	0.848649	Trub1
ENSMUSG0ENSMUSG0	3603.054	0.226704	0.09941	2.280487	0.022579	0.240016	Hspa12a
ENSMUSG0ENSMUSG0	237.1761	-0.10975	0.128512	-0.85404	0.393084	0.795486	Slc18a2
ENSMUSG0ENSMUSG0	337.8772	-0.1304	0.109083	-1.19542	0.231923	0.681654	3110040N1
ENSMUSG0ENSMUSG0	3304.979	0.103586	0.111882	0.925849	0.354524	0.774327	Btbd1
ENSMUSG0ENSMUSG0	2251.077	-0.0979	0.125505	-0.78002	0.435379	0.818064	Hdgfl3
ENSMUSG0ENSMUSG0	101.0645	-0.23562	0.121813	-1.93425	0.053082	0.374629	Ppp1r27
ENSMUSG0ENSMUSG0	66521.26	-0.05666	0.118854	-0.47671	0.633565	0.91238	P4hb
ENSMUSG0ENSMUSG0	17995.57	0.098744	0.072615	1.359838	0.173881	0.616191	Arhgdia
ENSMUSG0ENSMUSG0	1395.416	0.170328	0.115177	1.478833	0.139185	0.567677	Ints4
ENSMUSG0ENSMUSG0	1996.566	0.098727	0.111205	0.887789	0.374654	0.787458	Alyref
ENSMUSG0ENSMUSG0	3770.939	0.051184	0.085024	0.601992	0.547179	0.876712	Anapc11
ENSMUSG0ENSMUSG0	3941.148	0.231636	0.124127	1.866123	0.062024	0.401295	Pcyt2
ENSMUSG0ENSMUSG0	1304.855	-0.09801	0.101205	-0.96847	0.332811	0.758644	Sirt7
ENSMUSG0ENSMUSG0	5576.975	0.256544	0.117005	2.192592	0.028337	0.269977	Tollip
ENSMUSG0ENSMUSG0	1593.55	-0.06584	0.140144	-0.46979	0.638502	0.913202	Pycr1
ENSMUSG0ENSMUSG0	2150.403	0.039194	0.095631	0.409845	0.68192	0.929953	Aspscr1
ENSMUSG0ENSMUSG0	961.3559	0.115245	0.113882	1.011966	0.311554	0.745302	Cenpx
ENSMUSG0ENSMUSG0	987.8588	0.055264	0.080032	0.690528	0.489862	0.851509	Lrrc45
ENSMUSG0ENSMUSG0	820.5123	-0.17042	0.09007	-1.89206	0.058483	0.390694	Mob2
ENSMUSG0ENSMUSG0	175.2331	0.484223	0.133808	3.618775	0.000296	0.016695	Cbr2
ENSMUSG0ENSMUSG0	49350.58	0.138318	0.089333	1.548334	0.121542	0.534218	Maged1
ENSMUSG0ENSMUSG0	11077.56	0.155454	0.127953	1.214932	0.224392	0.674336	Fasn
ENSMUSG0ENSMUSG0	1194.224	-0.00899	0.089829	-0.10006	0.920296	0.985705	Arhgap19
ENSMUSG0ENSMUSG0	1350.651	-0.18052	0.090776	-1.98867	0.046738	0.34872	Dus1l
ENSMUSG0ENSMUSG0	6458.381	0.182011	0.065135	2.794382	0.0052	0.106118	Gps1
ENSMUSG0ENSMUSG0	2244.658	0.058798	0.084065	0.699437	0.484279	0.848425	Zdhhc16

ENSMUSG0ENSMUSG0	1453.123	0.023552	0.06636	0.354908	0.722659	0.937706	Rfng
ENSMUSG0ENSMUSG0	1782.764	0.01793	0.080417	0.222959	0.823567	0.961801	Mms19
ENSMUSG0ENSMUSG0	8087.25	-0.00941	0.082611	-0.11385	0.909359	0.983107	Slc16a3
ENSMUSG0ENSMUSG0	5486.862	0.047428	0.086311	0.549503	0.582661	0.892926	Csnk1d
ENSMUSG0ENSMUSG0	1402.635	0.105969	0.103169	1.027139	0.304355	0.739861	Ogfod3
ENSMUSG0ENSMUSG0	56.07851	-0.04891	0.144378	-0.33876	0.73479	0.938791	Rab40b
ENSMUSG0ENSMUSG0	221.8891	-0.01739	0.134621	-0.12914	0.897244	0.98034	Ubtd1
ENSMUSG0ENSMUSG0	2032.606	-0.06329	0.073323	-0.86316	0.38805	0.793615	Wdr45b
ENSMUSG0ENSMUSG0	281.4538	0.028697	0.134769	0.212938	0.831376	0.963529	Fn3k
ENSMUSG0ENSMUSG0	1860.884	0.041372	0.073116	0.565831	0.571509	0.889538	Pi4k2a
ENSMUSG0ENSMUSG0	433.2283	-0.0212	0.099569	-0.21289	0.831414	0.963529	R3hcc1l
ENSMUSG0ENSMUSG0	598.2487	-0.27431	0.10822	-2.53479	0.011252	0.164372	Hps1
ENSMUSG0ENSMUSG0	900.0405	-0.02801	0.119932	-0.23353	0.81535	0.959579	Cnnm1
ENSMUSG0ENSMUSG0	3680.72	0.096185	0.139031	0.691828	0.489045	0.850627	Got1
ENSMUSG0ENSMUSG0	849.2526	-0.00332	0.09482	-0.03501	0.972074	0.995539	Entpd7
ENSMUSG0ENSMUSG0	250.7981	-0.2276	0.129348	-1.75958	0.07848	0.444318	Cutc
ENSMUSG0ENSMUSG0	425.6233	0.075439	0.089759	0.840461	0.40065	0.79975	Dnmbp
ENSMUSG0ENSMUSG0	1778.936	-0.37517	0.079932	-4.69362	2.68E-06	0.000579	Cpn1
ENSMUSG0ENSMUSG0	1449.333	0.061803	0.09332	0.662268	0.507799	0.858898	Erlin1
ENSMUSG0ENSMUSG0	2079.402	-0.10537	0.090259	-1.16746	0.243024	0.689997	Chuk
ENSMUSG0ENSMUSG0	541.3479	-0.00266	0.088339	-0.03006	0.976023	0.996296	Cwf19l1
ENSMUSG0ENSMUSG0	238.7119	-0.15143	0.142015	-1.06631	0.286284	0.726761	Scd3
ENSMUSG0ENSMUSG0	50610.8	0.089087	0.140902	0.632261	0.527216	0.868643	Scd2
ENSMUSG0ENSMUSG0	7190.152	0.079445	0.119561	0.664468	0.506391	0.85853	Ndufb8
ENSMUSG0ENSMUSG0	48.40742	0.010379	0.144688	0.07173	0.942817	0.988829	Sema4g
ENSMUSG0ENSMUSG0	1203.947	0.092356	0.098014	0.942273	0.346053	0.767495	Mrpl43
ENSMUSG0ENSMUSG0	591.6251	-0.0603	0.128385	-0.46971	0.638565	0.913202	Twink
ENSMUSG0ENSMUSG0	535.444	0.285216	0.089608	3.182948	0.001458	0.046178	Sfxn3
ENSMUSG0ENSMUSG0	143.7026	-0.06578	0.126523	-0.51992	0.603117	0.900465	Kazald1
ENSMUSG0ENSMUSG0	163.5793	-0.01075	0.142014	-0.07566	0.939687	0.987897	Lbx1
ENSMUSG0ENSMUSG0	1470.301	0.205422	0.139829	1.469094	0.141807	0.571761	Btrc
ENSMUSG0ENSMUSG0	838.6101	-0.10857	0.096746	-1.12227	0.261748	0.705401	Poll
ENSMUSG0ENSMUSG0	3624.176	-0.0659	0.057703	-1.142	0.253453	0.699292	Mgea5
ENSMUSG0ENSMUSG0	1990.514	-0.06008	0.061517	-0.97661	0.328763	0.755405	Ldb1
ENSMUSG0ENSMUSG0	6367.423	0.206748	0.090366	2.287892	0.022144	0.236972	Gbf1
ENSMUSG0ENSMUSG0	1061.232	-0.08032	0.092142	-0.87165	0.383401	0.790739	Nfkb2
ENSMUSG0ENSMUSG0	1318.511	0.061428	0.112699	0.545065	0.585709	0.894063	Fbxl15
ENSMUSG0ENSMUSG0	1289.618	-0.17074	0.088327	-1.93302	0.053234	0.37491	Mfsd13a
ENSMUSG0ENSMUSG0	4766.244	0.21374	0.086134	2.481487	0.013084	0.178502	Actr1a
ENSMUSG0ENSMUSG0	505.9337	-0.04091	0.08684	-0.47107	0.637589	0.912787	Sufu
ENSMUSG0ENSMUSG0	13273.69	-0.05726	0.116552	-0.49125	0.623251	0.907988	Hexa
ENSMUSG0ENSMUSG0	3338.749	0.140943	0.097084	1.451762	0.146568	0.577756	Arih1
ENSMUSG0ENSMUSG0	527.1577	0.139774	0.11977	1.167022	0.243201	0.690353	Bbs4
ENSMUSG0ENSMUSG0	1798.997	-0.0655	0.084786	-0.77254	0.439795	0.820748	Adpgk
ENSMUSG0ENSMUSG0	3036.409	-0.1918	0.104444	-1.83634	0.066307	0.413778	Parp6
ENSMUSG0ENSMUSG0	1235.125	-0.08617	0.06983	-1.23395	0.21722	0.667997	Limd1
ENSMUSG0ENSMUSG0	3497.936	0.20314	0.077282	2.628558	0.008575	0.140729	Sacm1l
ENSMUSG0ENSMUSG0	473.723	-0.25515	0.10804	-2.36164	0.018194	0.212219	Fyco1
ENSMUSG0ENSMUSG0	878.3751	-0.17168	0.11178	-1.53586	0.124574	0.539415	Lztlf1
ENSMUSG0ENSMUSG0	3777.482	0.006572	0.086454	0.076019	0.939404	0.987897	Tbl1x
ENSMUSG0ENSMUSG0	818.9921	-0.07137	0.122337	-0.58338	0.559638	0.883824	Zfhx4
ENSMUSG0ENSMUSG0	58.60909	0.003739	0.144332	0.025906	0.979333	0.996602	Ribc1

ENSMUSG0ENSMUSG0	828.3966	0.32044	0.112081	2.859004	0.00425	0.094994	Hsd17b10
ENSMUSG0ENSMUSG0	8409.181	-0.04784	0.117912	-0.40575	0.68493	0.931173	Huwe1
ENSMUSG0ENSMUSG0	579.4646	0.050908	0.137784	0.369473	0.711775	0.935647	Fam120c
ENSMUSG0ENSMUSG0	1195.545	0.175556	0.083675	2.098076	0.035898	0.306225	Tsr2
ENSMUSG0ENSMUSG0	583.6189	-0.00883	0.09174	-0.09621	0.923353	0.985705	Fgd1
ENSMUSG0ENSMUSG0	3842.779	0.146178	0.093299	1.566762	0.11717	0.526814	Gnl3l
ENSMUSG0ENSMUSG0	3294.991	0.184974	0.112303	1.647104	0.099537	0.492051	Maged2
ENSMUSG0ENSMUSG0	655.245	0.043806	0.098861	0.443106	0.657689	0.921426	Apex2
ENSMUSG0ENSMUSG0	189.5079	0.066796	0.119628	0.558363	0.576597	0.890536	Pfkfb1
ENSMUSG0ENSMUSG0	204.0836	0.258889	0.12911	2.005173	0.044945	0.342308	Tro
ENSMUSG0ENSMUSG0	1156.768	-0.03453	0.073449	-0.47014	0.638258	0.913202	Abhd6
ENSMUSG0ENSMUSG0	5688.248	-0.07354	0.078941	-0.9316	0.351545	0.773184	Flnb
ENSMUSG0ENSMUSG0	1049.546	-0.01292	0.072996	-0.17703	0.859485	0.972503	Polr3a
ENSMUSG0ENSMUSG0	1292.637	0.011339	0.144368	0.078541	0.937397	0.987242	Sat1
ENSMUSG0ENSMUSG0	934.9677	0.107524	0.098364	1.093129	0.274337	0.716737	Acot9
ENSMUSG0ENSMUSG0	6898.237	-0.03921	0.096472	-0.40644	0.684422	0.931067	Prdx4
ENSMUSG0ENSMUSG0	15754.55	0.10903	0.100866	1.080944	0.279722	0.7213	Rps24
ENSMUSG0ENSMUSG0	1220.214	-0.34897	0.11845	-2.94611	0.003218	0.079072	Ptprj
ENSMUSG0ENSMUSG0	686.4728	-0.04295	0.132193	-0.32489	0.745268	0.941322	Banp
ENSMUSG0ENSMUSG0	334.3523	-0.31274	0.13781	-2.26936	0.023247	0.243144	Jph3
ENSMUSG0ENSMUSG0	70.56246	-0.28883	0.145481	-1.98536	0.047105	0.349224	Itgb8
ENSMUSG0ENSMUSG0	235.7898	0.117212	0.129469	0.905328	0.365292	0.78214	Sp4
ENSMUSG0ENSMUSG0	703.8694	-0.13246	0.07963	-1.66343	0.096227	0.486483	Atp10a
ENSMUSG0ENSMUSG0	2632.714	0.210429	0.096126	2.189099	0.02859	0.271034	Ube3a
ENSMUSG0ENSMUSG0	3386.515	0.029249	0.088997	0.328649	0.742421	0.940596	Kdm5c
ENSMUSG0ENSMUSG0	1478.866	0.028887	0.087229	0.331159	0.740524	0.940232	Sbds
ENSMUSG0ENSMUSG0	1099.42	0.109866	0.06954	1.579899	0.11413	0.52103	Rabgef1
ENSMUSG0ENSMUSG0	68.38126	-0.16775	0.133759	-1.2541	0.209805	0.658647	Rdh5
ENSMUSG0ENSMUSG0	7462.612	-0.01521	0.14551	-0.1045	0.916771	0.984548	Cd63
ENSMUSG0ENSMUSG0	400.5412	-0.0528	0.145987	-0.36165	0.71761	0.935997	Gdf11
ENSMUSG0ENSMUSG0	1039.066	0.221387	0.107243	2.064351	0.038984	0.32091	Ormdl2
ENSMUSG0ENSMUSG0	2180.367	-0.26256	0.05987	-4.38548	1.16E-05	0.001616	Dnajc14
ENSMUSG0ENSMUSG0	467.5323	0.201368	0.087771	2.294252	0.021776	0.235311	Dgka
ENSMUSG0ENSMUSG0	1585.912	0.155071	0.087398	1.774297	0.076014	0.438116	Cdk2
ENSMUSG0ENSMUSG0	8535.699	0.20407	0.117173	1.741618	0.081575	0.451558	Rps26
ENSMUSG0ENSMUSG0	5706.032	0.009599	0.053656	0.178895	0.85802	0.972127	Pa2g4
ENSMUSG0ENSMUSG0	7941.658	-0.39179	0.100357	-3.90395	9.46E-05	0.007713	Esy1
ENSMUSG0ENSMUSG0	6229.533	-0.07511	0.090067	-0.8339	0.404337	0.80047	Smarcc2
ENSMUSG0ENSMUSG0	924.3265	-0.15098	0.106549	-1.41705	0.156467	0.595338	Chmp6
ENSMUSG0ENSMUSG0	1659.213	0.056431	0.095783	0.589159	0.555755	0.88219	Baiap2
ENSMUSG0ENSMUSG0	1382.395	0.09341	0.064476	1.448756	0.147406	0.57867	Rnf41
ENSMUSG0ENSMUSG0	2639.897	0.143126	0.084451	1.694774	0.090118	0.472774	Nabp2
ENSMUSG0ENSMUSG0	849.6112	-0.03649	0.145872	-0.25017	0.802459	0.957032	Aatk
ENSMUSG0ENSMUSG0	574.5231	-0.03127	0.085661	-0.36505	0.715077	0.935647	Tepsin
ENSMUSG0ENSMUSG0	3337.111	-0.09323	0.102921	-0.90585	0.365015	0.782125	Cnpy2
ENSMUSG0ENSMUSG0	966.0779	0.094034	0.116974	0.80389	0.42146	0.812025	Faap100
ENSMUSG0ENSMUSG0	55784.81	0.229479	0.104614	2.193592	0.028265	0.269609	Atp5b
ENSMUSG0ENSMUSG0	4942.539	0.174381	0.058086	3.002105	0.002681	0.070549	Prim1
ENSMUSG0ENSMUSG0	730.8245	-0.17566	0.128663	-1.36528	0.172164	0.613849	Nab2
ENSMUSG0ENSMUSG0	5080.195	0.057606	0.144569	0.39847	0.690284	0.931679	Shmt2
ENSMUSG0ENSMUSG0	3954.779	-0.0935	0.088926	-1.05145	0.293053	0.733373	R3hdm2
ENSMUSG0ENSMUSG0	942.9318	-0.00197	0.137215	-0.01432	0.988573	0.998432	Ddit3

ENSMUSG0ENSMUSGC	2566.23	-0.12952	0.093568	-1.38425	0.166281	0.605329	Mbd6
ENSMUSG0ENSMUSGC	6041.917	0.077993	0.076003	1.026183	0.304805	0.740518	Dctn2
ENSMUSG0ENSMUSGC	1528.986	-0.03549	0.082855	-0.42831	0.668429	0.925067	Ttc4
ENSMUSG0ENSMUSGC	4709.31	-0.08729	0.065363	-1.3355	0.181712	0.627797	Pip4k2c
ENSMUSG0ENSMUSGC	293.1564	-0.00933	0.104273	-0.0895	0.928688	0.985705	Katnal2
ENSMUSG0ENSMUSGC	950.8089	0.051357	0.09543	0.538158	0.590468	0.895584	Hdhd2
ENSMUSG0ENSMUSGC	522.281	-0.22572	0.12575	-1.79499	0.072655	0.430201	Agap2
ENSMUSG0ENSMUSGC	2441.088	0.003481	0.090507	0.038458	0.969322	0.995539	Pias2
ENSMUSG0ENSMUSGC	1664.718	0.132655	0.088854	1.492946	0.135451	0.561163	St8sia5
ENSMUSG0ENSMUSGC	128.8185	-0.09764	0.140578	-0.69459	0.487314	0.850008	Rnf165
ENSMUSG0ENSMUSGC	32800.75	0.228581	0.059116	3.866662	0.00011	0.008677	Atp5a1
ENSMUSG0ENSMUSGC	299.435	-0.53265	0.124053	-4.29374	1.76E-05	0.002195	Pstpip2
ENSMUSG0ENSMUSGC	194.815	-0.01151	0.128087	-0.08989	0.928374	0.985705	Avil
ENSMUSG0ENSMUSGC	120.9065	0.00905	0.139225	0.065002	0.948173	0.990979	Atp23
ENSMUSG0ENSMUSGC	3064.507	-0.04557	0.098492	-0.46267	0.6436	0.914944	Usp33
ENSMUSG0ENSMUSGC	2328.197	0.064201	0.078563	0.817194	0.413818	0.807543	Clns1a
ENSMUSG0ENSMUSGC	84.93917	-0.22621	0.133564	-1.69361	0.090339	0.473154	Gm9752
ENSMUSG0ENSMUSGC	1871.383	0.002096	0.081134	0.02583	0.979393	0.996602	Paip1
ENSMUSG0ENSMUSGC	1359.04	0.244519	0.101542	2.408055	0.016038	0.198473	Nnt
ENSMUSG0ENSMUSGC	339.6445	-0.03934	0.116825	-0.3367	0.736341	0.939196	Paox
ENSMUSG0ENSMUSGC	1612.208	0.088094	0.103334	0.852522	0.393924	0.796246	Echs1
ENSMUSG0ENSMUSGC	2519.67	0.051289	0.106233	0.482796	0.62924	0.910993	Fuom
ENSMUSG0ENSMUSGC	805.091	0.067815	0.111669	0.607288	0.54366	0.875214	Zfp511
ENSMUSG0ENSMUSGC	66.28397	-0.12252	0.142131	-0.862	0.388688	0.794069	Adam8
ENSMUSG0ENSMUSGC	2377.356	0.01345	0.082114	0.163799	0.869889	0.975011	Tubgcp2
ENSMUSG0ENSMUSGC	1949.804	0.25473	0.068731	3.706167	0.00021	0.013143	Inpp5a
ENSMUSG0ENSMUSGC	1263.689	0.103407	0.080844	1.279096	0.200863	0.648536	Bet1l
ENSMUSG0ENSMUSGC	1427.44	-0.03818	0.082726	-0.46158	0.64438	0.915153	Ric8a
ENSMUSG0ENSMUSGC	682.5801	0.018591	0.091352	0.203505	0.83874	0.965671	Sirt3
ENSMUSG0ENSMUSGC	4956.552	0.13712	0.078912	1.73764	0.082274	0.453323	Psmd13
ENSMUSG0ENSMUSGC	36.66491	0.262342	0.122781	2.136664	0.032625	0.289577	Ifitm1
ENSMUSG0ENSMUSGC	307.182	-0.00999	0.11029	-0.09056	0.927845	0.985705	Sigirr
ENSMUSG0ENSMUSGC	704.6875	0.138399	0.080641	1.716232	0.08612	0.462936	Ptdss2
ENSMUSG0ENSMUSGC	336.9877	-0.01771	0.111869	-0.15835	0.874185	0.97593	Cdhr5
ENSMUSG0ENSMUSGC	288.0451	0.263313	0.121977	2.15871	0.030873	0.28196	Irf7
ENSMUSG0ENSMUSGC	2342.071	0.085329	0.106971	0.797684	0.425054	0.81423	Hras
ENSMUSG0ENSMUSGC	301.1358	-0.17387	0.091289	-1.90463	0.056828	0.385004	Lmntd2
ENSMUSG0ENSMUSGC	5297.508	0.183841	0.094637	1.942582	0.052067	0.369609	Taldo1
ENSMUSG0ENSMUSGC	99.32487	0.207235	0.145186	1.427376	0.153471	0.590006	Eps8l2
ENSMUSG0ENSMUSGC	927.7042	0.122339	0.108138	1.131322	0.25792	0.702822	Tmem80
ENSMUSG0ENSMUSGC	1024.025	-0.09813	0.069648	-1.40888	0.158872	0.59683	Pidd1
ENSMUSG0ENSMUSGC	7996.497	0.12921	0.10831	1.192974	0.23288	0.682501	Rplp2
ENSMUSG0ENSMUSGC	1649.498	0.174255	0.076173	2.287612	0.02216	0.236972	Pnpla2
ENSMUSG0ENSMUSGC	1640.227	-0.06225	0.095151	-0.65424	0.512954	0.861822	Cd151
ENSMUSG0ENSMUSGC	667.8063	0.118928	0.100993	1.177589	0.23896	0.687957	Tspan4
ENSMUSG0ENSMUSGC	2020.526	0.094895	0.098845	0.960038	0.337036	0.760159	Chid1
ENSMUSG0ENSMUSGC	1302.732	-0.02596	0.121265	-0.21407	0.830493	0.963218	Tmem192
ENSMUSG0ENSMUSGC	294.748	-0.08043	0.117966	-0.68177	0.495384	0.853712	Apool
ENSMUSG0ENSMUSGC	128.7984	0.031144	0.144693	0.215239	0.829581	0.963218	Zfp711
ENSMUSG0ENSMUSGC	872.337	-0.00565	0.131149	-0.04311	0.965617	0.994842	Chm
ENSMUSG0ENSMUSGC	825.2196	0.104387	0.097398	1.071755	0.28383	0.725004	Crcp
ENSMUSG0ENSMUSGC	1110.909	0.264133	0.104097	2.537367	0.011169	0.163343	Asl

ENSMUSG0ENSMUSG0	2890.502	0.004966	0.075121	0.066111	0.94729	0.99049	Gusb
ENSMUSG0ENSMUSG0	71.03894	-0.00462	0.139129	-0.03322	0.973497	0.995862	Phkg1
ENSMUSG0ENSMUSG0	565.3198	0.40188	0.130661	3.07575	0.0021	0.058841	Sumf2
ENSMUSG0ENSMUSG0	7240.756	-0.03374	0.087571	-0.38531	0.700006	0.933914	Tm9sf2
ENSMUSG0ENSMUSG0	510.5141	0.116241	0.14009	0.82976	0.406674	0.801957	Clybl
ENSMUSG0ENSMUSG0	369.6133	-0.03345	0.118775	-0.2816	0.778247	0.950724	Fgf14
ENSMUSG0ENSMUSG0	1939.946	-0.00768	0.095244	-0.08067	0.935703	0.986866	Farp1
ENSMUSG0ENSMUSG0	1974.45	0.007256	0.069269	0.104746	0.916577	0.984548	Dock9
ENSMUSG0ENSMUSG0	2197.382	-0.04953	0.103028	-0.48073	0.630706	0.911457	Tnrc6c
ENSMUSG0ENSMUSG0	623.0027	-0.23733	0.116282	-2.04097	0.041253	0.32991	Tmc6
ENSMUSG0ENSMUSG0	2750.602	0.33969	0.080324	4.228975	2.35E-05	0.002753	Tk1
ENSMUSG0ENSMUSG0	1914.529	-0.0928	0.073161	-1.26849	0.204623	0.652815	Cant1
ENSMUSG0ENSMUSG0	37.83932	-0.18005	0.145953	-1.23365	0.217335	0.667997	Rbfox3
ENSMUSG0ENSMUSG0	839.091	-0.04195	0.107285	-0.39102	0.695782	0.933215	Cbx2
ENSMUSG0ENSMUSG0	613.4714	0.052698	0.10555	0.499264	0.617594	0.907005	Cbx8
ENSMUSG0ENSMUSG0	18357.86	0.129075	0.079246	1.628796	0.103356	0.499892	Gaa
ENSMUSG0ENSMUSG0	4592.124	0.002678	0.097889	0.027355	0.978176	0.996592	Eif4a3
ENSMUSG0ENSMUSG0	1853.975	0.126105	0.08746	1.441868	0.14934	0.58254	Nptx1
ENSMUSG0ENSMUSG0	1674.185	0.031966	0.079066	0.404288	0.686001	0.931173	Rptor
ENSMUSG0ENSMUSG0	1277.87	-0.15551	0.076978	-2.02017	0.043366	0.336039	Pde8a
ENSMUSG0ENSMUSG0	2892.64	0.072644	0.119395	0.608429	0.542903	0.875214	Cpeb1
ENSMUSG0ENSMUSG0	432.8741	-0.02047	0.087532	-0.23388	0.815075	0.959419	Tma16
ENSMUSG0ENSMUSG0	842.1358	-0.02319	0.079843	-0.29045	0.771472	0.949297	Dach2
ENSMUSG0ENSMUSG0	338.3139	0.142366	0.143775	0.990205	0.322074	0.751983	Klhl4
ENSMUSG0ENSMUSG0	187.3813	0.033486	0.114995	0.291192	0.770904	0.949297	Zfp202
ENSMUSG0ENSMUSG0	2027.412	0.005518	0.113885	0.048452	0.961356	0.994289	Copg2
ENSMUSG0ENSMUSG0	3380.142	0.23528	0.092716	2.537628	0.011161	0.163343	Mkln1
ENSMUSG0ENSMUSG0	894.8046	-0.10622	0.126219	-0.84154	0.400048	0.79975	Bach1
ENSMUSG0ENSMUSG0	13297.75	0.092849	0.064223	1.445733	0.148252	0.580458	Cct8
ENSMUSG0ENSMUSG0	3264.603	-0.05584	0.099498	-0.56125	0.574626	0.890536	Usp16
ENSMUSG0ENSMUSG0	2177.936	0.16032	0.108709	1.474766	0.140276	0.570713	Phf6
ENSMUSG0ENSMUSG0	5554.512	0.032162	0.068683	0.468272	0.63959	0.913957	Hprt
ENSMUSG0ENSMUSG0	324.5386	0.141605	0.111192	1.273513	0.202836	0.65035	Ccdc51
ENSMUSG0ENSMUSG0	533.8846	0.444051	0.090902	4.884941	1.03E-06	0.000288	Atrip
ENSMUSG0ENSMUSG0	4303.905	0.04316	0.062279	0.693013	0.488302	0.850258	Shisa5
ENSMUSG0ENSMUSG0	656.0858	0.205629	0.092647	2.219487	0.026454	0.259612	Pfkfb4
ENSMUSG0ENSMUSG0	50.52773	0.115594	0.145866	0.792465	0.428089	0.815002	Col7a1
ENSMUSG0ENSMUSG0	3582.3	0.237184	0.083667	2.834853	0.004585	0.099004	Uqcrc1
ENSMUSG0ENSMUSG0	906.9605	-0.11855	0.143817	-0.82431	0.409764	0.803007	Arhgef9
ENSMUSG0ENSMUSG0	1323.886	0.259781	0.111157	2.337059	0.019436	0.219428	Rps6ka6
ENSMUSG0ENSMUSG0	857.468	0.151836	0.121124	1.25356	0.210002	0.659097	Tmem47
ENSMUSG0ENSMUSG0	3891.412	-0.1229	0.062677	-1.9608	0.049902	0.361005	Mar-08
ENSMUSG0ENSMUSG0	588.9096	-0.06708	0.076555	-0.87625	0.380895	0.79028	Wdr73
ENSMUSG0ENSMUSG0	141.1096	-0.04985	0.120773	-0.4128	0.679756	0.928707	Nmb
ENSMUSG0ENSMUSG0	2685.412	0.063612	0.086071	0.73906	0.459871	0.832373	Sec11a
ENSMUSG0ENSMUSG0	4398.318	0.027374	0.068462	0.399842	0.689273	0.931451	Pigq
ENSMUSG0ENSMUSG0	835.5826	0.051266	0.06338	0.80887	0.41859	0.810635	Rab40c
ENSMUSG0ENSMUSG0	1668.375	0.092731	0.092557	1.001882	0.3164	0.749216	Mettl26
ENSMUSG0ENSMUSG0	193.1371	0.495681	0.132008	3.754926	0.000173	0.011825	Mcrip2
ENSMUSG0ENSMUSG0	1962.814	-0.01209	0.101522	-0.11905	0.905236	0.982338	Rhot2
ENSMUSG0ENSMUSG0	118.5723	-0.10169	0.135808	-0.74881	0.453971	0.828567	Rhbd1l1
ENSMUSG0ENSMUSG0	1738.237	-0.04808	0.070853	-0.67853	0.497436	0.853814	Jmjd8

ENSMUSG0ENSMUSGC	1211.178	-0.06447	0.06718	-0.95967	0.337223	0.760159	Wdr24
ENSMUSG0ENSMUSGC	4355.668	-0.05663	0.054924	-1.0311	0.302493	0.739759	Fbxl16
ENSMUSG0ENSMUSGC	1893.907	-0.1201	0.079011	-1.52006	0.128496	0.54761	Prps2
ENSMUSG0ENSMUSGC	3434.101	-0.15893	0.138065	-1.15116	0.249668	0.696307	Sdc3
ENSMUSG0ENSMUSGC	3729.88	0.068468	0.058482	1.170752	0.241699	0.689436	Hadha
ENSMUSG0ENSMUSGC	4689.612	0.122726	0.0699	1.755733	0.079134	0.445187	Tyms
ENSMUSG0ENSMUSGC	3935.189	0.12113	0.145858	0.830468	0.406274	0.801957	Hspa4l
ENSMUSG0ENSMUSGC	1404.782	0.088571	0.080989	1.093618	0.274122	0.716676	Plk4
ENSMUSG0ENSMUSGC	420.5646	0.020236	0.10497	0.192777	0.847134	0.968351	Mfsd8
ENSMUSG0ENSMUSGC	1402.829	-0.03484	0.107454	-0.32426	0.745742	0.941322	Larp1b
ENSMUSG0ENSMUSGC	3013.243	-0.07959	0.125054	-0.63645	0.524483	0.867774	Jade1
ENSMUSG0ENSMUSGC	650.4592	-0.07909	0.112565	-0.70265	0.482272	0.846451	D3ErtD751e
ENSMUSG0ENSMUSGC	3653.216	0.069872	0.083479	0.836999	0.402593	0.799981	Gdap1
ENSMUSG0ENSMUSGC	179.395	0.118427	0.130955	0.904339	0.365815	0.782723	Ly96
ENSMUSG0ENSMUSGC	9437.1	0.153569	0.084398	1.819594	0.068821	0.42107	Atp5c1
ENSMUSG0ENSMUSGC	535.429	-0.04007	0.108174	-0.37044	0.711057	0.935647	Taf3
ENSMUSG0ENSMUSGC	1396.956	0.138888	0.075874	1.830517	0.067173	0.416339	Exosc7
ENSMUSG0ENSMUSGC	3448.826	0.027302	0.094492	0.288935	0.772631	0.949679	Zdhhc3
ENSMUSG0ENSMUSGC	1659.349	-0.13002	0.073546	-1.76787	0.077083	0.440137	Slco3a1
ENSMUSG0ENSMUSGC	7159.528	0.039364	0.1407	0.279771	0.779653	0.951422	Pgm2
ENSMUSG0ENSMUSGC	2827.422	0.116548	0.119536	0.975011	0.329555	0.755991	Slc25a10
ENSMUSG0ENSMUSGC	2833.535	0.1044	0.050068	2.085139	0.037057	0.312417	Hgs
ENSMUSG0ENSMUSGC	15315.44	0.177113	0.102421	1.729268	0.083761	0.456621	Rpl14
ENSMUSG0ENSMUSGC	858.7524	-0.04242	0.059386	-0.71426	0.475067	0.842373	Rassf3
ENSMUSG0ENSMUSGC	8407.523	-0.12638	0.065594	-1.92667	0.054021	0.37568	Itgb1
ENSMUSG0ENSMUSGC	1321.481	-0.12668	0.095841	-1.32174	0.186253	0.632483	Pard3
ENSMUSG0ENSMUSGC	107.5159	-0.44673	0.139971	-3.19162	0.001415	0.045135	Homer2
ENSMUSG0ENSMUSGC	88.06425	-0.01277	0.131578	-0.09707	0.922671	0.985705	Dhtkd1
ENSMUSG0ENSMUSGC	1299.792	0.050278	0.096115	0.523101	0.600904	0.89918	Sec61a2
ENSMUSG0ENSMUSGC	3095.147	-0.25278	0.072656	-3.4791	0.000503	0.023878	Nudt5
ENSMUSG0ENSMUSGC	1254.769	-0.00953	0.057567	-0.16557	0.868492	0.974598	Zfp282
ENSMUSG0ENSMUSGC	5007.193	0.038625	0.061678	0.626228	0.531165	0.870397	Pdia4
ENSMUSG0ENSMUSGC	1421.896	0.082601	0.109517	0.754226	0.450713	0.826431	Iscu
ENSMUSG0ENSMUSGC	4298.573	-0.12589	0.084582	-1.48841	0.136642	0.563112	Fam20c
ENSMUSG0ENSMUSGC	4032.237	0.106912	0.060979	1.753247	0.07956	0.446275	Prkar1b
ENSMUSG0ENSMUSGC	281.9728	-0.0756	0.144852	-0.52191	0.60173	0.899471	Pdgfa
ENSMUSG0ENSMUSGC	855.6855	0.020617	0.086219	0.239127	0.811007	0.95864	Dnaaf5
ENSMUSG0ENSMUSGC	2763.232	0.166363	0.088596	1.87778	0.060411	0.396425	Get4
ENSMUSG0ENSMUSGC	1928.352	-0.06787	0.086354	-0.78593	0.431911	0.816305	Xiap
ENSMUSG0ENSMUSGC	3393.377	0.030989	0.09355	0.331259	0.740449	0.940232	Stag2
ENSMUSG0ENSMUSGC	7489.856	-0.1283	0.142476	-0.90047	0.367868	0.784004	Cplx2
ENSMUSG0ENSMUSGC	1636.617	0.111949	0.101205	1.106164	0.268656	0.711911	Higd2a
ENSMUSG0ENSMUSGC	685.9697	0.079347	0.093687	0.846932	0.397033	0.797477	Nop16
ENSMUSG0ENSMUSGC	175.5558	0.143325	0.134856	1.062795	0.287875	0.72824	Arl10
ENSMUSG0ENSMUSGC	7165.633	-0.0836	0.067809	-1.23289	0.217616	0.668044	4833439L1
ENSMUSG0ENSMUSGC	2109.907	0.065844	0.06304	1.044483	0.296262	0.735498	Thoc3
ENSMUSG0ENSMUSGC	2565.695	0.021824	0.059486	0.366876	0.713711	0.935647	Faf2
ENSMUSG0ENSMUSGC	505.5146	-0.23856	0.144856	-1.64687	0.099585	0.492106	Tspan17
ENSMUSG0ENSMUSGC	2240.563	0.073039	0.105232	0.694078	0.487633	0.850076	Unc5a
ENSMUSG0ENSMUSGC	1024.328	-0.03189	0.074943	-0.42546	0.670501	0.925792	Uimc1
ENSMUSG0ENSMUSGC	460.0554	0.041276	0.128863	0.320309	0.748734	0.942227	Smad7
ENSMUSG0ENSMUSGC	67.08549	-0.12059	0.145647	-0.82794	0.407703	0.802351	Myo5b

ENSMUSG0ENSMUSGC	208.4396	0.432603	0.131662	3.285707	0.001017	0.036951	Snca
ENSMUSG0ENSMUSGC	904.436	0.109362	0.132664	0.824354	0.409738	0.803007	Gria4
ENSMUSG0ENSMUSGC	278.5847	-0.0699	0.113831	-0.61403	0.539196	0.873794	Kbtbd3
ENSMUSG0ENSMUSGC	813.9897	0.17498	0.077884	2.246674	0.024661	0.250303	Aasdhppt
ENSMUSG0ENSMUSGC	393.4262	-0.01929	0.10453	-0.18454	0.853593	0.970089	Cwf19l2
ENSMUSG0ENSMUSGC	714.4593	0.15405	0.098492	1.564086	0.117797	0.52768	Alkbh8
ENSMUSG0ENSMUSGC	1851.255	-0.03579	0.110631	-0.32348	0.746333	0.941322	Lypla1
ENSMUSG0ENSMUSGC	1405.168	0.009664	0.087756	0.11012	0.912314	0.983954	Rb1cc1
ENSMUSG0ENSMUSGC	291.71	0.007463	0.14512	0.051425	0.958987	0.993224	Sntg1
ENSMUSG0ENSMUSGC	63.13643	-0.11678	0.13298	-0.87814	0.379867	0.790146	Adhfe1
ENSMUSG0ENSMUSGC	1034.444	0.121774	0.139823	0.870916	0.3838	0.790851	Mybl1
ENSMUSG0ENSMUSGC	1103.264	0.196643	0.142708	1.377944	0.168221	0.60858	Sgk3
ENSMUSG0ENSMUSGC	3674.627	0.131573	0.094755	1.388562	0.164966	0.603971	Cops5
ENSMUSG0ENSMUSGC	1202.24	-0.0182	0.098158	-0.18543	0.852891	0.969826	Stau2
ENSMUSG0ENSMUSGC	288.1445	-0.03674	0.087657	-0.41915	0.675109	0.927604	Rdh10
ENSMUSG0ENSMUSGC	874.2348	0.12081	0.064588	1.870475	0.061418	0.398918	Terf1
ENSMUSG0ENSMUSGC	282.555	0.127701	0.108714	1.17465	0.240135	0.688236	Paqr8
ENSMUSG0ENSMUSGC	3441.653	-0.08531	0.12751	-0.66906	0.503457	0.856225	Eya1
ENSMUSG0ENSMUSGC	108.5655	-0.30266	0.123227	-2.45615	0.014044	0.185007	Tmem14a
ENSMUSG0ENSMUSGC	9907.244	-0.01772	0.115974	-0.15282	0.878539	0.976224	Tram1
ENSMUSG0ENSMUSGC	1401.767	0.004562	0.122234	0.037321	0.970229	0.995539	Lactb2
ENSMUSG0ENSMUSGC	260.9561	-0.30477	0.123311	-2.47155	0.013453	0.181094	Slco5a1
ENSMUSG0ENSMUSGC	1668.003	-0.08595	0.060769	-1.41432	0.157267	0.596364	Ube2w
ENSMUSG0ENSMUSGC	1064.499	-0.04244	0.079765	-0.53205	0.594693	0.896527	Tmem70
ENSMUSG0ENSMUSGC	1130.292	-0.03048	0.097744	-0.31185	0.755155	0.944438	Pikfyve
ENSMUSG0ENSMUSGC	1812.143	0.145218	0.098079	1.480618	0.138708	0.566965	Idh1
ENSMUSG0ENSMUSGC	413.0517	0.014536	0.112373	0.129356	0.897076	0.98034	Mettl21a
ENSMUSG0ENSMUSGC	1772.758	-0.00239	0.102066	-0.02346	0.981286	0.997345	Creb1
ENSMUSG0ENSMUSGC	1023.574	0.073962	0.089516	0.826247	0.408664	0.802728	Klf7
ENSMUSG0ENSMUSGC	848.0578	0.091929	0.122307	0.751626	0.452276	0.827254	Fastkd2
ENSMUSG0ENSMUSGC	577.988	-0.09825	0.144849	-0.67829	0.497588	0.853814	Adam23
ENSMUSG0ENSMUSGC	9963.559	0.264986	0.110986	2.387572	0.01696	0.203528	Eef1b2
ENSMUSG0ENSMUSGC	3722.394	0.164468	0.085345	1.927094	0.053968	0.37568	Ndufs1
ENSMUSG0ENSMUSGC	607.9354	-0.03906	0.090539	-0.43141	0.666173	0.925067	Maip1
ENSMUSG0ENSMUSGC	1925.188	0.102278	0.069489	1.471852	0.141061	0.57119	Mob4
ENSMUSG0ENSMUSGC	9452.086	0.237322	0.075651	3.137056	0.001707	0.051426	Hspd1
ENSMUSG0ENSMUSGC	1456.333	0.260977	0.06885	3.790529	0.00015	0.010921	Coq10b
ENSMUSG0ENSMUSGC	8301.715	0.031261	0.075843	0.412181	0.680207	0.928926	Sf3b1
ENSMUSG0ENSMUSGC	763.9441	0.06564	0.10776	0.609136	0.542434	0.875162	Slc39a10
ENSMUSG0ENSMUSGC	4382.852	-0.51062	0.111709	-4.57101	4.85E-06	0.000979	Slc40a1
ENSMUSG0ENSMUSGC	1258.953	0.008422	0.101527	0.082954	0.933888	0.986608	Wdr75
ENSMUSG0ENSMUSGC	1801.033	0.060685	0.097439	0.622796	0.533419	0.871779	Lancl1
ENSMUSG0ENSMUSGC	1497.019	-0.16695	0.069691	-2.39558	0.016594	0.202349	Acadl
ENSMUSG0ENSMUSGC	769.5963	-0.11201	0.090605	-1.23622	0.216377	0.667111	Kansl1l
ENSMUSG0ENSMUSGC	1200.55	0.150511	0.066339	2.268823	0.023279	0.243293	Rpe
ENSMUSG0ENSMUSGC	1300.111	0.018644	0.123834	0.150555	0.880326	0.97663	Raph1
ENSMUSG0ENSMUSGC	335.4577	0.056591	0.126561	0.447144	0.654771	0.919908	Carf
ENSMUSG0ENSMUSGC	51.83071	-0.48828	0.139575	-3.49831	0.000468	0.023155	Ica1l
ENSMUSG0ENSMUSGC	941.802	0.230145	0.09874	2.330817	0.019763	0.222458	Wdr12
ENSMUSG0ENSMUSGC	3459.981	0.137779	0.073583	1.872448	0.061145	0.397917	Nop58
ENSMUSG0ENSMUSGC	3503.107	-0.06936	0.078461	-0.88401	0.376692	0.788552	Sumo1
ENSMUSG0ENSMUSGC	478.582	0.079628	0.139407	0.571194	0.567868	0.888146	Cdk15

ENSMUSG0ENSMUSGC	1793.237	0.069052	0.087493	0.789229	0.429978	0.815671	Als2
ENSMUSG0ENSMUSGC	511.0793	-0.01992	0.079049	-0.25194	0.801085	0.956594	Stradb
ENSMUSG0ENSMUSGC	2802.491	-0.02467	0.107816	-0.22878	0.819038	0.960094	Trak2
ENSMUSG0ENSMUSGC	833.0074	0.028511	0.097498	0.292427	0.76996	0.949297	Casp8
ENSMUSG0ENSMUSGC	1234.792	0.342275	0.103369	3.311188	0.000929	0.035582	Cflar
ENSMUSG0ENSMUSGC	1900.247	0.114573	0.10715	1.069277	0.284945	0.725657	Ndufb3
ENSMUSG0ENSMUSGC	2948.474	0.050101	0.063937	0.783596	0.433277	0.817251	Clk1
ENSMUSG0ENSMUSGC	461.1882	0.112504	0.126469	0.889576	0.373694	0.787458	Ppil3
ENSMUSG0ENSMUSGC	798.5759	0.189021	0.097842	1.931894	0.053373	0.37491	Nif3l1
ENSMUSG0ENSMUSGC	2264.727	-0.09136	0.07626	-1.19795	0.230935	0.68059	Orc2
ENSMUSG0ENSMUSGC	1028.998	0.005301	0.081592	0.064964	0.948202	0.990979	Sgo2a
ENSMUSG0ENSMUSGC	494.5095	-0.00898	0.099542	-0.09019	0.928135	0.985705	Kdelc1
ENSMUSG0ENSMUSGC	754.7037	-0.04775	0.083049	-0.57494	0.565332	0.886635	Ercc5
ENSMUSG0ENSMUSGC	1406.499	-0.03758	0.119366	-0.31482	0.752896	0.943694	Tex30
ENSMUSG0ENSMUSGC	282.2497	0.076624	0.090851	0.84341	0.398999	0.799373	Khdrbs2
ENSMUSG0ENSMUSGC	4437.347	-0.02569	0.079448	-0.3234	0.746396	0.941322	Ptp4a1
ENSMUSG0ENSMUSGC	145.4028	-0.03638	0.140617	-0.2587	0.795871	0.955463	Il18rap
ENSMUSG0ENSMUSGC	24617.22	-0.27257	0.103403	-2.63603	0.008388	0.139285	Il1r1
ENSMUSG0ENSMUSGC	111.1246	-0.11893	0.145916	-0.81508	0.415025	0.807961	Il1r2
ENSMUSG0ENSMUSGC	1601.482	-0.07979	0.115028	-0.69366	0.487898	0.850258	Map4k4
ENSMUSG0ENSMUSGC	1153.577	0.056139	0.127683	0.439677	0.660171	0.923066	Pdcl3
ENSMUSG0ENSMUSGC	529.9868	0.147112	0.129805	1.133328	0.257076	0.702333	Chst10
ENSMUSG0ENSMUSGC	948.2847	-0.0645	0.115715	-0.55743	0.577231	0.891182	Rev1
ENSMUSG0ENSMUSGC	3814.286	0.03754	0.104663	0.358674	0.719839	0.936421	Eif5b
ENSMUSG0ENSMUSGC	1886.405	0.065567	0.093221	0.70335	0.481837	0.846451	Mrpl30
ENSMUSG0ENSMUSGC	353.2298	-0.02233	0.085734	-0.26048	0.794492	0.955378	Mitd1
ENSMUSG0ENSMUSGC	914.9588	0.01263	0.103558	0.121965	0.902927	0.98194	Stk17b
ENSMUSG0ENSMUSGC	1985.986	0.084804	0.095821	0.885018	0.376147	0.788231	Asnsd1
ENSMUSG0ENSMUSGC	454.1567	-0.16212	0.085193	-1.90298	0.057043	0.385445	Osgepl1
ENSMUSG0ENSMUSGC	1438.299	-0.00053	0.071968	-0.00731	0.994168	0.998655	Ormdl1
ENSMUSG0ENSMUSGC	314.6294	0.123204	0.094468	1.304194	0.192167	0.638822	Pms1
ENSMUSG0ENSMUSGC	695.597	0.093683	0.10839	0.864316	0.387415	0.793286	Inpp1
ENSMUSG0ENSMUSGC	2491.099	0.007439	0.121082	0.061436	0.951012	0.991744	Gls
ENSMUSG0ENSMUSGC	1563.697	-0.08128	0.084514	-0.96176	0.33617	0.759654	Stat1
ENSMUSG0ENSMUSGC	809.3423	-0.11349	0.12733	-0.89133	0.372752	0.786649	Nabp1
ENSMUSG0ENSMUSGC	256.472	-0.08022	0.143568	-0.55874	0.576339	0.890536	Tmeff2
ENSMUSG0ENSMUSGC	213.2381	-0.23833	0.13094	-1.82013	0.06874	0.42107	Mgat4a
ENSMUSG0ENSMUSGC	1799.209	0.005238	0.072092	0.07265	0.942085	0.98867	Unc50
ENSMUSG0ENSMUSGC	2124.469	0.01957	0.05026	0.389388	0.696989	0.933418	Coa5
ENSMUSG0ENSMUSGC	2006.434	0.015156	0.09717	0.155977	0.876051	0.97593	Inpp4a
ENSMUSG0ENSMUSGC	1951.14	-0.03918	0.104651	-0.37441	0.708099	0.934791	Tmem131
ENSMUSG0ENSMUSGC	240.7824	-0.1589	0.140089	-1.13431	0.256664	0.702235	Sema4c
ENSMUSG0ENSMUSGC	4034.675	-0.12811	0.064673	-1.98091	0.047602	0.351153	Plekhb2
ENSMUSG0ENSMUSGC	71.77337	0.007018	0.137169	0.051167	0.959193	0.993224	Ptpn18
ENSMUSG0ENSMUSGC	1593.595	0.165392	0.069511	2.379381	0.017342	0.204958	Imp4
ENSMUSG0ENSMUSGC	8207.223	-0.06903	0.10649	-0.64822	0.516845	0.86326	Dst
ENSMUSG0ENSMUSGC	1561.655	0.162121	0.066894	2.423565	0.015369	0.194299	Prim2
ENSMUSG0ENSMUSGC	1307.78	-0.02935	0.106777	-0.27484	0.783437	0.952711	Zfp142
ENSMUSG0ENSMUSGC	1021.568	-0.04722	0.126071	-0.37452	0.708018	0.934791	Rhbdd1
ENSMUSG0ENSMUSGC	3369.204	-0.01362	0.06428	-0.21192	0.832172	0.963753	Mff
ENSMUSG0ENSMUSGC	5590.361	-0.00768	0.079263	-0.09687	0.922827	0.985705	Fam135a
ENSMUSG0ENSMUSGC	451.3474	0.031492	0.133219	0.236394	0.813127	0.958983	Sdhaf4

ENSMUSG0ENSMUSG0	2067.555	-0.02134	0.057264	-0.37258	0.709462	0.934929	Smapi
ENSMUSG0ENSMUSG0	6717.629	0.124708	0.077668	1.60566	0.108349	0.510418	Agfg1
ENSMUSG0ENSMUSG0	217.6701	0.131333	0.121102	1.084489	0.278148	0.720077	Nhej1
ENSMUSG0ENSMUSG0	9714.2	-0.28819	0.108008	-2.6682	0.007626	0.132042	Sphkap
ENSMUSG0ENSMUSG0	1358.888	0.009495	0.07004	0.135564	0.892166	0.979424	Rnf25
ENSMUSG0ENSMUSG0	744.861	0.200058	0.088721	2.25491	0.024139	0.248527	Bcs1l
ENSMUSG0ENSMUSG0	51.10928	0.193656	0.143361	1.350824	0.176752	0.619699	Plcd4
ENSMUSG0ENSMUSG0	2482.88	-0.18792	0.059115	-3.17884	0.001479	0.046727	Cnot9
ENSMUSG0ENSMUSG0	41.09592	-0.18712	0.127166	-1.47149	0.141159	0.57119	Vil1
ENSMUSG0ENSMUSG0	1642.197	-0.01922	0.084378	-0.2278	0.819799	0.960195	Ctdsp1
ENSMUSG0ENSMUSG0	1528.578	0.28083	0.106228	2.643647	0.008202	0.138245	Pnkd
ENSMUSG0ENSMUSG0	514.6784	-0.085	0.077838	-1.09207	0.274804	0.716894	Ppm1f
ENSMUSG0ENSMUSG0	217.6655	-0.18587	0.140283	-1.32498	0.185177	0.631891	Igfbp5
ENSMUSG0ENSMUSG0	1580.226	-0.03795	0.104967	-0.36155	0.717692	0.935997	Xrcc5
ENSMUSG0ENSMUSG0	288.2739	-0.18272	0.109393	-1.67027	0.094865	0.484363	Tmem169
ENSMUSG0ENSMUSG0	239.3973	0.034631	0.099088	0.349501	0.726713	0.938472	Pecr
ENSMUSG0ENSMUSG0	1688.458	0.075377	0.054166	1.391599	0.164044	0.603036	Atic
ENSMUSG0ENSMUSG0	820.943	0.021282	0.077416	0.274904	0.78339	0.952711	Bard1
ENSMUSG0ENSMUSG0	770.9883	0.015894	0.103581	0.153441	0.878051	0.976224	Zfand2b
ENSMUSG0ENSMUSG0	1318.183	-0.03201	0.128379	-0.2493	0.803128	0.957127	Abcb6
ENSMUSG0ENSMUSG0	717.6901	-0.09398	0.125494	-0.74889	0.453924	0.828567	Ankzf1
ENSMUSG0ENSMUSG0	257.4252	-0.00778	0.138949	-0.056	0.955339	0.992624	Glb1l
ENSMUSG0ENSMUSG0	2448.985	0.007277	0.081334	0.089468	0.92871	0.985705	Stk16
ENSMUSG0ENSMUSG0	7559.072	0.170652	0.081302	2.098988	0.035818	0.306225	Tuba4a
ENSMUSG0ENSMUSG0	1772.917	0.136023	0.088976	1.528764	0.126323	0.543294	Dnajb2
ENSMUSG0ENSMUSG0	56492.49	0.138546	0.07027	1.971633	0.048652	0.355952	Ptpn
ENSMUSG0ENSMUSG0	364.786	-0.23013	0.144999	-1.58709	0.112492	0.518563	Spep
ENSMUSG0ENSMUSG0	3870.302	-0.05087	0.07209	-0.70565	0.480408	0.846258	Dnpep
ENSMUSG0ENSMUSG0	550.4915	-0.05549	0.13557	-0.40934	0.682289	0.930004	Obsl1
ENSMUSG0ENSMUSG0	1118.412	-0.32086	0.0738	-4.34767	1.38E-05	0.001858	Stk11ip
ENSMUSG0ENSMUSG0	5476.325	0.11282	0.059269	1.903517	0.056973	0.385445	Trip12
ENSMUSG0ENSMUSG0	7158.986	0.019774	0.082732	0.239016	0.811093	0.95864	Itm2c
ENSMUSG0ENSMUSG0	5469.998	0.133733	0.094008	1.422569	0.154861	0.592119	Psmd1
ENSMUSG0ENSMUSG0	12773.76	0.116141	0.104448	1.111954	0.266158	0.709277	Ncl
ENSMUSG0ENSMUSG0	33854.16	-0.06833	0.057904	-1.17999	0.238004	0.68698	Ptma
ENSMUSG0ENSMUSG0	1830.188	0.142346	0.105208	1.353001	0.176055	0.618717	Pde6d
ENSMUSG0ENSMUSG0	720.2249	-0.11688	0.080183	-1.45762	0.144944	0.574916	Cops7b
ENSMUSG0ENSMUSG0	2621.712	0.220049	0.076053	2.893364	0.003811	0.088966	Farsb
ENSMUSG0ENSMUSG0	462.2684	-0.17917	0.144572	-1.23933	0.215225	0.66626	Ecel1
ENSMUSG0ENSMUSG0	762.0256	-0.12743	0.085106	-1.49734	0.134304	0.558569	Mrpl44
ENSMUSG0ENSMUSG0	71.34286	-0.1064	0.141393	-0.75251	0.451746	0.827017	Serpine2
ENSMUSG0ENSMUSG0	2065.524	0.190701	0.079242	2.406576	0.016103	0.198934	Eif4e2
ENSMUSG0ENSMUSG0	126.1603	0.313151	0.130284	2.403603	0.016234	0.200374	Ngef
ENSMUSG0ENSMUSG0	4101.35	0.163627	0.09914	1.650464	0.098848	0.490981	Ndufa10
ENSMUSG0ENSMUSG0	2166.313	-0.25906	0.076274	-3.39647	0.000683	0.029067	Rnpepl1
ENSMUSG0ENSMUSG0	1165.935	0.187716	0.073716	2.546463	0.010882	0.161623	Capn10
ENSMUSG0ENSMUSG0	492.4259	0.028082	0.08125	0.345626	0.729624	0.938791	Mterf4
ENSMUSG0ENSMUSG0	746.7972	0.206035	0.081919	2.515104	0.0119	0.169577	Pask
ENSMUSG0ENSMUSG0	1832.026	0.078951	0.108627	0.726812	0.467341	0.838179	Ppp1r7
ENSMUSG0ENSMUSG0	5095.359	0.019908	0.068943	0.288765	0.772761	0.949752	Sep-02
ENSMUSG0ENSMUSG0	4469.302	0.018076	0.055847	0.323672	0.746186	0.941322	Stk25
ENSMUSG0ENSMUSG0	618.755	-0.09489	0.116176	-0.81681	0.414039	0.807596	Bok

ENSMUSG0ENSMUSGC	899.7576	0.186056	0.099943	1.861626	0.062656	0.403818	Thap4
ENSMUSG0ENSMUSGC	2205.309	0.207559	0.067242	3.086757	0.002024	0.057306	Atg4b
ENSMUSG0ENSMUSGC	3101.514	0.071424	0.088716	0.805087	0.42077	0.81184	Dtymk
ENSMUSG0ENSMUSGC	1068.049	0.101939	0.060531	1.684082	0.092166	0.476773	Ing5
ENSMUSG0ENSMUSGC	1537.943	0.020556	0.075699	0.271549	0.785969	0.953517	Atg16l1
ENSMUSG0ENSMUSGC	232.8904	-0.1271	0.131999	-0.96291	0.335595	0.759008	Mlph
ENSMUSG0ENSMUSGC	218.7979	-0.47803	0.118382	-4.03803	5.39E-05	0.00511	Rab17
ENSMUSG0ENSMUSGC	832.7487	-0.01036	0.099157	-0.10445	0.916814	0.984548	Lrrfip1
ENSMUSG0ENSMUSGC	3687.564	-0.22664	0.101019	-2.24355	0.024862	0.251952	Scly
ENSMUSG0ENSMUSGC	2414.063	0.082344	0.07168	1.148774	0.250649	0.697484	Ilkap
ENSMUSG0ENSMUSGC	1934.469	-0.09669	0.088412	-1.09367	0.2741	0.716676	Asb1
ENSMUSG0ENSMUSGC	206.6058	-0.18424	0.112009	-1.6449	0.099989	0.493095	Cdh7
ENSMUSG0ENSMUSGC	1838.916	0.319945	0.096906	3.301618	0.000961	0.035993	Hdac4
ENSMUSG0ENSMUSGC	870.8679	-0.11281	0.117943	-0.95648	0.338828	0.761708	Serpnb8
ENSMUSG0ENSMUSGC	688.3317	0.071146	0.121564	0.58525	0.55838	0.882984	Cln8
ENSMUSG0ENSMUSGC	1532.29	0.112844	0.1119	1.008435	0.313246	0.746673	2310035C2
ENSMUSG0ENSMUSGC	231.34	-0.15695	0.138018	-1.13716	0.25547	0.701792	Tnfrsf11a
ENSMUSG0ENSMUSGC	360.3061	-0.08785	0.11062	-0.79415	0.42711	0.81459	Gin1
ENSMUSG0ENSMUSGC	13627.83	-0.08606	0.067751	-1.27031	0.203974	0.652112	Pam
ENSMUSG0ENSMUSGC	814.2057	0.117357	0.113485	1.034118	0.301081	0.739127	Ccdc93
ENSMUSG0ENSMUSGC	5462.218	0.077702	0.060764	1.27876	0.200981	0.648578	Actr3
ENSMUSG0ENSMUSGC	1850.13	-0.02228	0.129212	-0.17241	0.863112	0.973439	Slc35f5
ENSMUSG0ENSMUSGC	65.1929	0.194371	0.145963	1.331645	0.182977	0.629886	Gpr39
ENSMUSG0ENSMUSGC	3628.222	-0.05676	0.084895	-0.66855	0.50378	0.856419	Tmem163
ENSMUSG0ENSMUSGC	1973.797	-0.15012	0.097933	-1.53291	0.125297	0.541145	Ccnt2
ENSMUSG0ENSMUSGC	4216.084	0.036892	0.083326	0.44274	0.657954	0.921508	Ubxn4
ENSMUSG0ENSMUSGC	4205.271	0.336028	0.118473	2.836321	0.004564	0.099004	Lct
ENSMUSG0ENSMUSGC	10587.95	0.178699	0.067519	2.646659	0.008129	0.137724	Mcm6
ENSMUSG0ENSMUSGC	3036.428	0.034003	0.072698	0.467729	0.639978	0.914081	Dars
ENSMUSG0ENSMUSGC	239.6598	0.023578	0.135256	0.174318	0.861615	0.972861	Rgs2
ENSMUSG0ENSMUSGC	2308.908	0.050953	0.113038	0.450757	0.652164	0.919812	Cdc73
ENSMUSG0ENSMUSGC	4284.247	0.052961	0.09598	0.55179	0.581092	0.892821	Tsn
ENSMUSG0ENSMUSGC	1239.158	-0.10102	0.079169	-1.27596	0.201971	0.649916	Nifk
ENSMUSG0ENSMUSGC	408.2503	-0.07675	0.144448	-0.53131	0.595201	0.896659	Tfcp2l1
ENSMUSG0ENSMUSGC	952.5319	-0.06765	0.070832	-0.9551	0.339527	0.762766	Epb41l5
ENSMUSG0ENSMUSGC	1447.48	0.146648	0.10406	1.409272	0.158755	0.59683	Ptpn4
ENSMUSG0ENSMUSGC	2450.389	0.157793	0.107569	1.466899	0.142404	0.571875	Dbi
ENSMUSG0ENSMUSGC	62.94049	0.012094	0.136236	0.088772	0.929263	0.985827	3110009E1
ENSMUSG0ENSMUSGC	40.44556	0.050547	0.143701	0.351751	0.725025	0.938024	Steap3
ENSMUSG0ENSMUSGC	751.5718	-0.04591	0.106852	-0.42968	0.667431	0.925067	Nek7
ENSMUSG0ENSMUSGC	62.87078	-0.17895	0.146005	-1.22567	0.220322	0.671311	Cd55
ENSMUSG0ENSMUSGC	324.3706	-0.11532	0.107547	-1.07229	0.283589	0.724943	Ddx59
ENSMUSG0ENSMUSGC	1985.796	0.050575	0.138705	0.364622	0.715394	0.935647	Pfkfb2
ENSMUSG0ENSMUSGC	1881.364	0.054217	0.108137	0.501371	0.61611	0.906342	Tmem9
ENSMUSG0ENSMUSGC	2310.307	-0.07794	0.095677	-0.81458	0.415314	0.807961	Csrp1
ENSMUSG0ENSMUSGC	868.1943	-0.14982	0.095107	-1.57523	0.115203	0.522716	Srgap2
ENSMUSG0ENSMUSGC	2117.356	-0.14425	0.116261	-1.24077	0.214692	0.665535	Arl8a
ENSMUSG0ENSMUSGC	1774.538	0.042749	0.107677	0.397008	0.691361	0.931679	Eif2d
ENSMUSG0ENSMUSGC	1515.509	0.010831	0.110615	0.097912	0.922002	0.985705	Ube2t
ENSMUSG0ENSMUSGC	246.0951	0.139684	0.14203	0.983481	0.325371	0.754238	Rassf5
ENSMUSG0ENSMUSGC	4964.765	0.007245	0.059367	0.12204	0.902867	0.98194	Nucks1
ENSMUSG0ENSMUSGC	760.9272	-0.00153	0.129056	-0.01186	0.990535	0.998539	Elk4

ENSMUSG0ENSMUSGC	351.5423	-0.20038	0.107053	-1.87177	0.061239	0.398335	Cdk18
ENSMUSG0ENSMUSGC	1307.851	-0.04602	0.059848	-0.76892	0.441943	0.822001	Rbbp5
ENSMUSG0ENSMUSGC	4413.564	0.124848	0.09607	1.299549	0.193755	0.639447	Nfasc
ENSMUSG0ENSMUSGC	815.3358	0.286899	0.145788	1.967926	0.049077	0.358082	Lrrn2
ENSMUSG0ENSMUSGC	73.64973	-0.07965	0.145563	-0.54719	0.584247	0.893087	Pik3c2b
ENSMUSG0ENSMUSGC	1548.635	-0.01784	0.079254	-0.2251	0.8219	0.961018	Syt2
ENSMUSG0ENSMUSGC	1015.729	0.085125	0.073542	1.157491	0.247072	0.695372	Klhl12
ENSMUSG0ENSMUSGC	2357.376	-0.00283	0.109992	-0.02577	0.979439	0.996602	Cyb5r1
ENSMUSG0ENSMUSGC	5699.09	0.029021	0.067729	0.428482	0.668301	0.925067	Adipor1
ENSMUSG0ENSMUSGC	56.16397	-0.12941	0.145934	-0.88677	0.375202	0.787458	Ppfia4
ENSMUSG0ENSMUSGC	574.4345	0.393172	0.145737	2.697821	0.006979	0.125904	Atp2b4
ENSMUSG0ENSMUSGC	2376.28	0.085123	0.083767	1.016186	0.309541	0.743777	Tor1aip1
ENSMUSG0ENSMUSGC	49.88791	0.165596	0.142175	1.164736	0.244126	0.691802	Lhx4
ENSMUSG0ENSMUSGC	1678.857	0.43905	0.097594	4.498751	6.84E-06	0.001235	Xpr1
ENSMUSG0ENSMUSGC	1222.1	-0.03729	0.105248	-0.35433	0.723089	0.937763	Stx6
ENSMUSG0ENSMUSGC	3505.079	-0.03569	0.117182	-0.30457	0.76069	0.94605	Glul
ENSMUSG0ENSMUSGC	1002.699	-0.06007	0.092421	-0.64992	0.515742	0.863015	Lamc1
ENSMUSG0ENSMUSGC	530.7975	-0.14356	0.145365	-0.98759	0.323352	0.752685	Lamc2
ENSMUSG0ENSMUSGC	1377.874	0.003584	0.097761	0.036664	0.970753	0.995539	Rgl1
ENSMUSG0ENSMUSGC	895.9188	-0.11221	0.124134	-0.90392	0.366036	0.782723	Fam129a
ENSMUSG0ENSMUSGC	1449.844	0.057143	0.084805	0.67382	0.500426	0.855286	Rnf2
ENSMUSG0ENSMUSGC	277.2971	-0.05296	0.134473	-0.3938	0.693729	0.932437	Coq8a
ENSMUSG0ENSMUSGC	2910.139	0.042166	0.076143	0.553769	0.579737	0.892779	Cdc42bpa
ENSMUSG0ENSMUSGC	2137.083	-0.01397	0.068173	-0.20486	0.837683	0.965548	Ahctf1
ENSMUSG0ENSMUSGC	851.3718	0.025474	0.093984	0.271048	0.786354	0.953569	Tfb2m
ENSMUSG0ENSMUSGC	197.9805	0.219322	0.145782	1.504456	0.132464	0.555041	Efcab2
ENSMUSG0ENSMUSGC	5025.968	0.087209	0.077111	1.130963	0.258071	0.702822	Parp1
ENSMUSG0ENSMUSGC	2116.063	0.126165	0.103607	1.217719	0.223331	0.673502	Acdbd3
ENSMUSG0ENSMUSGC	530.9216	0.291054	0.119924	2.426983	0.015225	0.193453	Cox20
ENSMUSG0ENSMUSGC	409.6922	-0.09871	0.126271	-0.7817	0.434389	0.817775	Desi2
ENSMUSG0ENSMUSGC	1069.568	-0.04922	0.113735	-0.4328	0.665159	0.925058	Sdccag8
ENSMUSG0ENSMUSGC	3282.475	0.076086	0.095802	0.794199	0.42708	0.81459	Capn2
ENSMUSG0ENSMUSGC	1048.653	0.117898	0.101976	1.156128	0.247629	0.6954	Trp53bp2
ENSMUSG0ENSMUSGC	3595.206	0.193854	0.091787	2.111999	0.034687	0.30127	Srp9
ENSMUSG0ENSMUSGC	1831.8	0.006587	0.07992	0.082419	0.934314	0.986608	Nvl
ENSMUSG0ENSMUSGC	2549.044	-0.2146	0.106132	-2.02198	0.043179	0.33585	Tmem63a
ENSMUSG0ENSMUSGC	3304.158	-0.1819	0.087754	-2.07289	0.038183	0.317596	Pycr2
ENSMUSG0ENSMUSGC	119.8972	-0.08796	0.137281	-0.64073	0.521698	0.866449	Wdr64
ENSMUSG0ENSMUSGC	1338.799	-0.48005	0.10738	-4.47059	7.80E-06	0.00139	Opn3
ENSMUSG0ENSMUSGC	5044.271	0.23935	0.115546	2.071461	0.038316	0.317781	Fh1
ENSMUSG0ENSMUSGC	650.458	-0.05999	0.088193	-0.68027	0.496336	0.853814	Rgs7
ENSMUSG0ENSMUSGC	455.9866	-0.5082	0.127811	-3.97622	7.00E-05	0.006324	Dusp23
ENSMUSG0ENSMUSGC	58.07836	0.030926	0.144689	0.213743	0.830748	0.963218	Cfap45
ENSMUSG0ENSMUSGC	7940.86	-0.16476	0.078692	-2.09378	0.03628	0.307345	Tagln2
ENSMUSG0ENSMUSGC	16497.32	0.129063	0.052093	2.477564	0.013228	0.179926	Copa
ENSMUSG0ENSMUSGC	3187.544	-0.08199	0.079089	-1.03662	0.299913	0.73815	Dcaf8
ENSMUSG0ENSMUSGC	119.3543	-0.14974	0.131268	-1.14075	0.253973	0.699972	Vangl2
ENSMUSG0ENSMUSGC	4247.597	0.156298	0.076898	2.032552	0.042098	0.33254	Uck2
ENSMUSG0ENSMUSGC	988.9055	0.0182	0.07029	0.25892	0.795697	0.955463	Tada1
ENSMUSG0ENSMUSGC	741.4519	0.03194	0.104216	0.306481	0.759238	0.945578	Pou2f1
ENSMUSG0ENSMUSGC	1891.932	0.097423	0.116056	0.83945	0.401217	0.79975	Mpzl1
ENSMUSG0ENSMUSGC	1656.414	0.18629	0.110842	1.680685	0.092824	0.477855	Mpc2

ENSMUSG0ENSMUSGC	1167.953	-0.0419	0.107064	-0.39135	0.695535	0.933115	Dcaf6
ENSMUSG0ENSMUSGC	469.6002	0.218603	0.101359	2.156726	0.031027	0.282519	Nme7
ENSMUSG0ENSMUSGC	18107.89	0.234748	0.09174	2.558845	0.010502	0.158443	Atp1b1
ENSMUSG0ENSMUSGC	936.0687	-0.25231	0.077105	-3.27232	0.001067	0.038329	Blzf1
ENSMUSG0ENSMUSGC	632.2198	-0.05451	0.09206	-0.59216	0.553745	0.881128	Ccdc181
ENSMUSG0ENSMUSGC	70.74055	0.227048	0.142543	1.592844	0.111195	0.515656	F5
ENSMUSG0ENSMUSGC	855.0149	-0.11449	0.102875	-1.11291	0.265749	0.708961	Scyl3
ENSMUSG0ENSMUSGC	1794.712	0.06852	0.077267	0.886792	0.375191	0.787458	Kifap3
ENSMUSG0ENSMUSGC	2857.675	0.175053	0.115071	1.521257	0.128195	0.547437	Astn1
ENSMUSG0ENSMUSGC	436.8442	-0.15476	0.128071	-1.20837	0.226905	0.676326	Sec16b
ENSMUSG0ENSMUSGC	1196.62	0.129414	0.112926	1.146009	0.251791	0.697958	Ralgps2
ENSMUSG0ENSMUSGC	917.146	-0.07221	0.103312	-0.69896	0.484576	0.848425	Abl2
ENSMUSG0ENSMUSGC	1964.201	-0.00076	0.081402	-0.00939	0.992507	0.998539	Soat1
ENSMUSG0ENSMUSGC	745.9117	0.014953	0.118806	0.125861	0.899842	0.981243	Smyd2
ENSMUSG0ENSMUSGC	1900.139	-0.14162	0.101395	-1.39668	0.16251	0.601189	Cenpf
ENSMUSG0ENSMUSGC	801.3121	-0.10074	0.096723	-1.04153	0.297631	0.736076	Kctd3
ENSMUSG0ENSMUSGC	562.189	0.089592	0.131728	0.680124	0.496426	0.853814	Ush2a
ENSMUSG0ENSMUSGC	805.5132	-0.05033	0.12312	-0.40879	0.682693	0.930231	Esrrg
ENSMUSG0ENSMUSGC	7113.944	0.068313	0.09958	0.686009	0.492707	0.852803	Eprs
ENSMUSG0ENSMUSGC	4142.151	-0.06061	0.070736	-0.8568	0.391557	0.794949	Bpnt1
ENSMUSG0ENSMUSGC	1491.092	-0.069	0.062361	-1.1065	0.268508	0.711911	Iars2
ENSMUSG0ENSMUSGC	1048.474	0.028235	0.069853	0.404198	0.686067	0.931173	Nek2
ENSMUSG0ENSMUSGC	2005.338	0.014366	0.086262	0.166541	0.867731	0.974473	Lpgat1
ENSMUSG0ENSMUSGC	1624.62	0.196036	0.08328	2.353942	0.018576	0.215052	Ppp2r5a
ENSMUSG0ENSMUSGC	2989.545	0.218372	0.080731	2.704918	0.006832	0.124417	Tmem206
ENSMUSG0ENSMUSGC	234.7721	-0.16667	0.141657	-1.17658	0.239365	0.688232	Atf3
ENSMUSG0ENSMUSGC	36.75185	-0.25599	0.144899	-1.76671	0.077277	0.440681	Batf3
ENSMUSG0ENSMUSGC	126.7105	-0.12322	0.132633	-0.92903	0.352873	0.773559	Tatdn3
ENSMUSG0ENSMUSGC	653.5276	-0.15873	0.074435	-2.13252	0.032964	0.29104	Angel2
ENSMUSG0ENSMUSGC	93.16084	0.054225	0.140626	0.385595	0.699797	0.933914	Traf5
ENSMUSG0ENSMUSGC	1342.912	-0.02058	0.106707	-0.19287	0.847058	0.968351	Irf6
ENSMUSG0ENSMUSGC	523.3044	-0.14334	0.105509	-1.35853	0.174296	0.616842	Plxna2
ENSMUSG0ENSMUSGC	1024.056	-0.10404	0.082109	-1.26705	0.205138	0.653023	Usf1
ENSMUSG0ENSMUSGC	6711.623	0.131004	0.060233	2.174972	0.029632	0.27564	Nmt2
ENSMUSG0ENSMUSGC	148.4384	-0.03613	0.140363	-0.25737	0.796891	0.955768	Acbd7
ENSMUSG0ENSMUSGC	401.6841	0.0741	0.08469	0.874954	0.381599	0.790739	Suv39h2
ENSMUSG0ENSMUSGC	211.6273	-0.07414	0.119379	-0.62104	0.534571	0.87213	Dclre1c
ENSMUSG0ENSMUSGC	104.2716	-0.09515	0.145933	-0.65204	0.514378	0.862556	Cfap126
ENSMUSG0ENSMUSGC	2073.574	-0.06782	0.109593	-0.61882	0.536038	0.872592	Frmd4a
ENSMUSG0ENSMUSGC	408.2627	0.004921	0.105222	0.046771	0.962696	0.994289	Dusp12
ENSMUSG0ENSMUSGC	2279.58	-0.01391	0.106341	-0.13076	0.895961	0.980299	Sephs1
ENSMUSG0ENSMUSGC	2820.185	-0.0569	0.112645	-0.50515	0.613451	0.905485	Atf6
ENSMUSG0ENSMUSGC	3438.535	0.203484	0.1283	1.586003	0.112739	0.518563	Phyh
ENSMUSG0ENSMUSGC	4701.572	-0.33417	0.075518	-4.42499	9.64E-06	0.001528	Uhmk1
ENSMUSG0ENSMUSGC	1450.852	0.226399	0.092809	2.43941	0.014711	0.190243	Mcm10
ENSMUSG0ENSMUSGC	1603.57	-0.01774	0.071118	-0.24946	0.803005	0.957091	Uap1
ENSMUSG0ENSMUSGC	1023.404	0.064549	0.079645	0.810458	0.417677	0.809848	Optn
ENSMUSG0ENSMUSGC	55.33791	0.048407	0.146005	0.331539	0.740237	0.940232	Ddr2
ENSMUSG0ENSMUSGC	453.9295	0.295497	0.132706	2.22671	0.025967	0.257937	Hsd17b7
ENSMUSG0ENSMUSGC	2775.435	0.00296	0.070544	0.041953	0.966536	0.994967	Nuf2
ENSMUSG0ENSMUSGC	3131.424	0.015107	0.130908	0.115404	0.908125	0.98248	Aldh9a1
ENSMUSG0ENSMUSGC	577.1659	0.191786	0.126404	1.517251	0.129203	0.548334	Mgst3

ENSMUSG0ENSMUSG0	840.3489	0.18051	0.075341	2.395908	0.016579	0.202349	Mettl13
ENSMUSG0ENSMUSG0	1927.916	-0.03291	0.089476	-0.36778	0.713036	0.935647	Vamp4
ENSMUSG0ENSMUSG0	565.9983	0.378526	0.073541	5.147135	2.64E-07	0.00011	Pigc
ENSMUSG0ENSMUSG0	1326.583	-0.00304	0.101827	-0.02982	0.976209	0.996317	Prdx6
ENSMUSG0ENSMUSG0	588.6886	0.094931	0.092917	1.021676	0.306934	0.743084	Klhl20
ENSMUSG0ENSMUSG0	175.433	-0.00559	0.121288	-0.04613	0.963209	0.994289	Nsun6
ENSMUSG0ENSMUSG0	703.2003	-0.12986	0.06992	-1.8573	0.063268	0.404949	Cenpl
ENSMUSG0ENSMUSG0	722.8638	0.032789	0.081322	0.403196	0.686804	0.931173	Dars2
ENSMUSG0ENSMUSG0	1220.772	0.053362	0.124244	0.429491	0.667566	0.925067	Stam
ENSMUSG0ENSMUSG0	578.023	-0.1095	0.096841	-1.13074	0.258167	0.702822	Rabgap1l
ENSMUSG0ENSMUSG0	105.4498	-0.08696	0.145496	-0.59769	0.550044	0.879141	Trdmt1
ENSMUSG0ENSMUSG0	980.4391	0.357437	0.107279	3.331852	0.000863	0.033718	Rsu1
ENSMUSG0ENSMUSG0	374.6662	0.172563	0.133742	1.290263	0.196959	0.643523	Pter
ENSMUSG0ENSMUSG0	541.8329	-0.34262	0.086635	-3.95469	7.66E-05	0.006784	Pip4k2a
ENSMUSG0ENSMUSG0	2517.152	-0.07288	0.106321	-0.68549	0.493037	0.852803	Bmi1
ENSMUSG0ENSMUSG0	906.4368	-0.01067	0.112229	-0.09511	0.92423	0.985705	Dnajc1
ENSMUSG0ENSMUSG0	1389.896	-0.096	0.118193	-0.81222	0.416665	0.808706	MLlt10
ENSMUSG0ENSMUSG0	299.8641	0.348602	0.123432	2.824238	0.004739	0.101199	Nek6
ENSMUSG0ENSMUSG0	5811.481	0.186326	0.101634	1.833307	0.066757	0.415042	Psmb7
ENSMUSG0ENSMUSG0	3778.326	0.229826	0.056172	4.091482	4.29E-05	0.004407	Ppp6c
ENSMUSG0ENSMUSG0	1654.156	-0.07735	0.102754	-0.75282	0.451561	0.827017	Golga1
ENSMUSG0ENSMUSG0	3328.609	0.094371	0.097076	0.972131	0.330985	0.757395	Arpc5l
ENSMUSG0ENSMUSG0	1339.827	0.00764	0.100557	0.075973	0.939441	0.987897	Orc4
ENSMUSG0ENSMUSG0	3334.357	0.126397	0.097471	1.296762	0.194713	0.640278	Kif5c
ENSMUSG0ENSMUSG0	2846.417	0.062027	0.072611	0.854236	0.392974	0.795486	Mmadhc
ENSMUSG0ENSMUSG0	1564.503	-0.00163	0.065513	-0.02491	0.980125	0.996602	Mindy3
ENSMUSG0ENSMUSG0	606.2264	0.150677	0.108909	1.383515	0.166507	0.605329	Spopl
ENSMUSG0ENSMUSG0	2078.387	-0.01765	0.097444	-0.18111	0.856279	0.971472	Pfkfb3
ENSMUSG0ENSMUSG0	4223.793	0.105669	0.086579	1.220494	0.222277	0.672518	Yme1l1
ENSMUSG0ENSMUSG0	610.5953	0.000678	0.109412	0.006198	0.995054	0.998655	Mastl
ENSMUSG0ENSMUSG0	1665.806	0.078179	0.0979	0.79856	0.424545	0.813996	Acbd5
ENSMUSG0ENSMUSG0	2052.758	-0.06788	0.078292	-0.86699	0.385946	0.792576	Abi2
ENSMUSG0ENSMUSG0	437.1282	0.213405	0.082019	2.601889	0.009271	0.147008	Pdss1
ENSMUSG0ENSMUSG0	83.07133	-0.10422	0.145872	-0.71448	0.474929	0.842296	Pkn3
ENSMUSG0ENSMUSG0	70.20631	0.193008	0.137148	1.407296	0.15934	0.597111	Apbb1ip
ENSMUSG0ENSMUSG0	2607.718	-0.1709	0.101216	-1.68843	0.091329	0.474778	Gad2
ENSMUSG0ENSMUSG0	547.952	-0.05043	0.101813	-0.49535	0.62035	0.907694	Zbtb43
ENSMUSG0ENSMUSG0	1982.723	-0.2317	0.069053	-3.35538	0.000793	0.031814	Odf2
ENSMUSG0ENSMUSG0	600.2175	0.059207	0.123194	0.480596	0.630804	0.911457	Slc2a8
ENSMUSG0ENSMUSG0	505.9701	-0.00139	0.080763	-0.01725	0.986237	0.997899	Lrsam1
ENSMUSG0ENSMUSG0	753.6894	0.189124	0.129641	1.458825	0.144613	0.574285	Fam129b
ENSMUSG0ENSMUSG0	15049.2	0.06351	0.118462	0.536119	0.591877	0.895697	Stxbp1
ENSMUSG0ENSMUSG0	465.4344	-0.05914	0.104662	-0.56502	0.572057	0.889874	Coq4
ENSMUSG0ENSMUSG0	1078.197	0.215184	0.112738	1.908707	0.0563	0.383568	Med27
ENSMUSG0ENSMUSG0	482.2298	-0.05714	0.14261	-0.4007	0.688644	0.931407	Ttf1
ENSMUSG0ENSMUSG0	126.0219	-0.21649	0.143158	-1.51225	0.13047	0.550676	Barhl1
ENSMUSG0ENSMUSG0	2280.022	0.160317	0.145284	1.103467	0.269825	0.712941	Ddx31
ENSMUSG0ENSMUSG0	1578.885	0.032599	0.093855	0.347331	0.728343	0.938587	Dpm2
ENSMUSG0ENSMUSG0	879.809	-0.06178	0.130696	-0.4727	0.636426	0.912525	St6galnac6
ENSMUSG0ENSMUSG0	1349.214	0.024057	0.10161	0.236758	0.812844	0.958815	Tsc1
ENSMUSG0ENSMUSG0	1651.581	0.028221	0.064138	0.439998	0.659938	0.922889	Gtf3c5
ENSMUSG0ENSMUSG0	1341.486	0.068345	0.140794	0.485426	0.627374	0.910069	Ak1

ENSMUSG0ENSMUSG0	1873.168	0.109288	0.115694	0.944632	0.344847	0.766383	Slc25a25
ENSMUSG0ENSMUSG0	643.8087	0.069205	0.099534	0.69529	0.486873	0.849705	Ptges2
ENSMUSG0ENSMUSG0	2085.957	0.16269	0.093932	1.731998	0.083274	0.455638	Ralgsd
ENSMUSG0ENSMUSG0	489.8871	-0.35244	0.095655	-3.68451	0.000229	0.013923	Dnm1
ENSMUSG0ENSMUSG0	717.081	-0.02463	0.142613	-0.17269	0.862899	0.973282	Nr4a2
ENSMUSG0ENSMUSG0	6344.509	0.142348	0.099919	1.424632	0.154264	0.590874	Gpd2
ENSMUSG0ENSMUSG0	42.61655	-0.34395	0.145999	-2.35586	0.01848	0.214651	Galnt5
ENSMUSG0ENSMUSG0	54.70234	-0.11935	0.145996	-0.81747	0.41366	0.807543	1700007K1
ENSMUSG0ENSMUSG0	3797.964	0.124226	0.103796	1.196826	0.231375	0.68123	Olfm1
ENSMUSG0ENSMUSG0	1015.122	0.017137	0.135812	0.126182	0.899588	0.981243	Acvr1c
ENSMUSG0ENSMUSG0	717.5006	0.164947	0.074723	2.207449	0.027283	0.263587	Acvr1
ENSMUSG0ENSMUSG0	119.7382	-0.05915	0.145204	-0.40736	0.683742	0.93061	Upp2
ENSMUSG0ENSMUSG0	633.5281	0.781025	0.145541	5.366336	8.04E-08	4.48E-05	Fibcd1
ENSMUSG0ENSMUSG0	1864.791	0.093414	0.085447	1.093238	0.274289	0.716737	Abl1
ENSMUSG0ENSMUSG0	2122.029	-0.00831	0.087493	-0.09496	0.924344	0.985705	Fubp3
ENSMUSG0ENSMUSG0	3440.677	-0.06629	0.076091	-0.87123	0.383627	0.790739	Tor1b
ENSMUSG0ENSMUSG0	1208.458	-0.04837	0.078156	-0.61893	0.535964	0.872592	Tor1a
ENSMUSG0ENSMUSG0	1461.194	0.07795	0.09723	0.801709	0.422721	0.812942	BC005624
ENSMUSG0ENSMUSG0	1487.089	0.207977	0.099155	2.097504	0.035949	0.306265	Crat
ENSMUSG0ENSMUSG0	1530.12	0.257736	0.068104	3.784464	0.000154	0.011067	Usp20
ENSMUSG0ENSMUSG0	555.0616	0.221377	0.105182	2.104696	0.035318	0.303597	Dolpp1
ENSMUSG0ENSMUSG0	655.2381	0.12004	0.089062	1.347825	0.177715	0.620338	Ntmt1
ENSMUSG0ENSMUSG0	1153.213	0.039878	0.078456	0.508281	0.611256	0.904473	Miga2
ENSMUSG0ENSMUSG0	2082.117	0.054336	0.107133	0.507182	0.612027	0.904589	Sh3glb2
ENSMUSG0ENSMUSG0	41234.01	0.002113	0.078821	0.026813	0.978609	0.996602	Hspa5
ENSMUSG0ENSMUSG0	3163.759	0.037688	0.06831	0.551722	0.581139	0.892821	Gapvd1
ENSMUSG0ENSMUSG0	2442.762	0.289041	0.079175	3.650647	0.000262	0.015403	Psmd5
ENSMUSG0ENSMUSG0	189.989	0.183104	0.112803	1.623226	0.104541	0.501644	Cutal
ENSMUSG0ENSMUSG0	975.1656	0.105647	0.104357	1.012359	0.311366	0.745302	Phf19
ENSMUSG0ENSMUSG0	5883.707	0.107475	0.064302	1.671421	0.094639	0.483945	Rab14
ENSMUSG0ENSMUSG0	1029.014	-0.25873	0.088395	-2.92696	0.003423	0.082144	Gsn
ENSMUSG0ENSMUSG0	1525.791	0.163116	0.141226	1.155003	0.248089	0.695618	Stom
ENSMUSG0ENSMUSG0	2355.834	0.04921	0.106787	0.460819	0.644928	0.915385	Dab2ip
ENSMUSG0ENSMUSG0	48.07083	0.022364	0.145097	0.154128	0.877509	0.976224	Ttll11
ENSMUSG0ENSMUSG0	790.8416	0.053326	0.095255	0.559826	0.575598	0.890536	Mrrf
ENSMUSG0ENSMUSG0	489.9814	-0.07042	0.129828	-0.54238	0.587557	0.894311	Grb14
ENSMUSG0ENSMUSG0	1481.153	-0.01336	0.055516	-0.24061	0.809859	0.958353	Rbm18
ENSMUSG0ENSMUSG0	352.3599	0.038608	0.101934	0.378757	0.704868	0.93471	Lhx6
ENSMUSG0ENSMUSG0	972.687	-0.08523	0.101114	-0.84291	0.399276	0.799635	Gca
ENSMUSG0ENSMUSG0	3080.104	0.162952	0.101083	1.612063	0.106948	0.507302	Ndufa8
ENSMUSG0ENSMUSG0	124.5748	-0.1942	0.138149	-1.40571	0.159811	0.598037	Ifih1
ENSMUSG0ENSMUSG0	893.3348	-0.15899	0.111133	-1.42807	0.153273	0.589751	Slc4a10
ENSMUSG0ENSMUSG0	3507.685	0.115707	0.094886	1.219436	0.222679	0.672985	Psmd14
ENSMUSG0ENSMUSG0	2981.025	0.030096	0.085249	0.353042	0.724057	0.937852	Strbp
ENSMUSG0ENSMUSG0	1795.02	-0.05843	0.058023	-1.00694	0.313965	0.747209	Wdr5
ENSMUSG0ENSMUSG0	1975.102	0.02089	0.086145	0.242493	0.808398	0.958353	Brd3
ENSMUSG0ENSMUSG0	209.3484	-0.14476	0.11981	-1.20827	0.226942	0.676326	Egfl7
ENSMUSG0ENSMUSG0	521.3016	-0.04927	0.128988	-0.38199	0.702467	0.934077	Agpat2
ENSMUSG0ENSMUSG0	1627.604	0.094486	0.140801	0.671058	0.502184	0.856225	Notch1
ENSMUSG0ENSMUSG0	3902.522	-0.06506	0.081466	-0.79865	0.424494	0.813996	Sec16a
ENSMUSG0ENSMUSG0	719.9586	-0.0784	0.108494	-0.72264	0.469899	0.839788	Inpp5e
ENSMUSG0ENSMUSG0	4347.434	0.134898	0.075352	1.790229	0.073417	0.431352	Pmpca

ENSMUSG0ENSMUSG0	2439.34	-0.06593	0.060142	-1.0962	0.272989	0.71564	Sdccag3
ENSMUSG0ENSMUSG0	42.42903	0.122467	0.143412	0.853949	0.393133	0.795486	Card9
ENSMUSG0ENSMUSG0	2630.117	0.327419	0.116304	2.815205	0.004875	0.10213	Gpsm1
ENSMUSG0ENSMUSG0	113.4853	-0.25755	0.131927	-1.95221	0.050913	0.364804	Nacc2
ENSMUSG0ENSMUSG0	1979.771	-0.03962	0.099751	-0.39715	0.691257	0.931679	Camsap1
ENSMUSG0ENSMUSG0	419.3459	0.337841	0.126144	2.678208	0.007402	0.130699	Tmem141
ENSMUSG0ENSMUSG0	110.8098	0.011764	0.140705	0.083611	0.933366	0.986608	Ccdc183
ENSMUSG0ENSMUSG0	113.0045	-0.04552	0.144819	-0.31431	0.753288	0.943881	Mamdc4
ENSMUSG0ENSMUSG0	1398.922	0.166442	0.070557	2.358981	0.018325	0.213188	Traf2
ENSMUSG0ENSMUSG0	2580.319	-0.07491	0.11018	-0.67987	0.496589	0.853814	Abca2
ENSMUSG0ENSMUSG0	333.8885	-0.03638	0.136142	-0.26721	0.789309	0.954487	Nmi
ENSMUSG0ENSMUSG0	142.5745	0.15447	0.145492	1.061707	0.288369	0.728621	Neb
ENSMUSG0ENSMUSG0	1694.147	-0.03809	0.109237	-0.34868	0.727329	0.938587	Sapcd2
ENSMUSG0ENSMUSG0	3109.29	0.037389	0.145606	0.256782	0.797347	0.955973	Uap1l1
ENSMUSG0ENSMUSG0	1600.543	0.084616	0.14493	0.583839	0.559328	0.883648	Dpp7
ENSMUSG0ENSMUSG0	2916.675	0.316382	0.114464	2.764019	0.005709	0.112894	Grin1
ENSMUSG0ENSMUSG0	1250.991	-0.10554	0.11426	-0.92372	0.355634	0.774872	Arl6ip6
ENSMUSG0ENSMUSG0	41.26961	0.318801	0.145446	2.191887	0.028388	0.270077	Lrrc26
ENSMUSG0ENSMUSG0	3198.129	0.128463	0.060972	2.106928	0.035124	0.303099	Anapc2
ENSMUSG0ENSMUSG0	1757.713	0.105476	0.099631	1.058661	0.289754	0.729268	Ssna1
ENSMUSG0ENSMUSG0	95.87176	-0.1134	0.145988	-0.77678	0.43729	0.819028	Fam166a
ENSMUSG0ENSMUSG0	319.4041	-0.14883	0.125241	-1.18834	0.234701	0.68322	Rbms1
ENSMUSG0ENSMUSG0	615.2671	-0.12379	0.117622	-1.05241	0.292613	0.732876	Arrdc1
ENSMUSG0ENSMUSG0	1869.083	0.101252	0.084172	1.202919	0.229008	0.679048	Zmynd19
ENSMUSG0ENSMUSG0	500.4093	-0.08735	0.094281	-0.9265	0.354186	0.774327	Dph7
ENSMUSG0ENSMUSG0	1776.966	-0.06901	0.116318	-0.59328	0.552992	0.880925	Mar-07
ENSMUSG0ENSMUSG0	2017.56	-0.0725	0.091492	-0.79246	0.428092	0.815002	Baz2b
ENSMUSG0ENSMUSG0	552.3671	-0.16177	0.10541	-1.53469	0.12486	0.54005	Wdsub1
ENSMUSG0ENSMUSG0	327.1182	-0.40581	0.145142	-2.79595	0.005175	0.106118	Dapl1
ENSMUSG0ENSMUSG0	3231.373	0.052658	0.062727	0.839481	0.401199	0.79975	Pkp4
ENSMUSG0ENSMUSG0	2109.964	0.141737	0.060974	2.324536	0.020097	0.224422	Nup35
ENSMUSG0ENSMUSG0	349.1321	0.010343	0.100762	0.102652	0.918239	0.984843	Dusp19
ENSMUSG0ENSMUSG0	12858.27	0.013644	0.067732	0.201437	0.840357	0.966367	Nckap1
ENSMUSG0ENSMUSG0	86.29308	-0.36064	0.145603	-2.47687	0.013254	0.179926	Frzb
ENSMUSG0ENSMUSG0	7625.76	-0.02414	0.103753	-0.23267	0.816014	0.959674	Dnajc10
ENSMUSG0ENSMUSG0	1669.578	-0.0265	0.112938	-0.23469	0.814453	0.959419	Ssfa2
ENSMUSG0ENSMUSG0	284.2172	-0.18152	0.13442	-1.35039	0.176892	0.619699	Itga4
ENSMUSG0ENSMUSG0	3185.316	0.10754	0.063454	1.694767	0.09012	0.472774	Slc25a12
ENSMUSG0ENSMUSG0	2301.137	-0.12253	0.065936	-1.85824	0.063135	0.404949	Ube2e3
ENSMUSG0ENSMUSG0	3741.313	0.026103	0.054353	0.480242	0.631056	0.911457	Dync1i2
ENSMUSG0ENSMUSG0	930.8566	-0.15822	0.078066	-2.02682	0.042681	0.333442	Cwc22
ENSMUSG0ENSMUSG0	4049.461	0.297227	0.073992	4.016997	5.89E-05	0.005502	Hat1
ENSMUSG0ENSMUSG0	295.0357	0.137891	0.134201	1.02749	0.30419	0.739861	Stk39
ENSMUSG0ENSMUSG0	1157.519	-0.02331	0.090791	-0.25678	0.797347	0.955973	Cers6
ENSMUSG0ENSMUSG0	70.96936	0.059868	0.1449	0.413169	0.679483	0.928688	Abcb11
ENSMUSG0ENSMUSG0	9797.808	0.026885	0.050857	0.528634	0.597059	0.89784	Ssrp1
ENSMUSG0ENSMUSG0	447.5828	0.070898	0.111787	0.634228	0.525932	0.868304	Timm10
ENSMUSG0ENSMUSG0	239.2893	-0.10149	0.136746	-0.7422	0.457968	0.831747	Ube2l6
ENSMUSG0ENSMUSG0	480.0631	0.121111	0.092853	1.304332	0.192121	0.638822	Clp1
ENSMUSG0ENSMUSG0	1129.834	0.211513	0.093068	2.272677	0.023046	0.241988	Med19
ENSMUSG0ENSMUSG0	445.8972	0.049901	0.091694	0.544214	0.586294	0.894128	Fastkd1
ENSMUSG0ENSMUSG0	3328.455	-0.03003	0.130076	-0.23089	0.817398	0.959822	Itgav

ENSMUSG0ENSMUSGC	724.5737	0.008992	0.075548	0.119019	0.90526	0.982338	Phospho2
ENSMUSG0ENSMUSGC	3315.621	0.056728	0.06816	0.832272	0.405256	0.801458	Zc3h15
ENSMUSG0ENSMUSGC	1400.079	0.136725	0.088394	1.546779	0.121917	0.535016	Mtx2
ENSMUSG0ENSMUSGC	2363.705	0.038355	0.071044	0.539878	0.589281	0.894902	Atf2
ENSMUSG0ENSMUSGC	2450.412	0.162197	0.072985	2.222329	0.026261	0.258836	Ola1
ENSMUSG0ENSMUSGC	1899.173	-0.02747	0.118581	-0.23163	0.816829	0.959822	Sp3
ENSMUSG0ENSMUSGC	4298.015	-0.02464	0.079825	-0.30872	0.757533	0.945152	Itga6
ENSMUSG0ENSMUSGC	549.4227	0.062269	0.083654	0.744367	0.456654	0.830715	Kif18a
ENSMUSG0ENSMUSGC	804.4734	-0.03441	0.127731	-0.26943	0.787601	0.954125	Arl14ep
ENSMUSG0ENSMUSGC	1344.435	-0.06752	0.082741	-0.81606	0.414463	0.807888	Slc12a6
ENSMUSG0ENSMUSGC	1815.409	0.05966	0.087417	0.682478	0.494937	0.853343	Emc4
ENSMUSG0ENSMUSGC	659.8716	0.038111	0.096529	0.394816	0.692979	0.932283	Katnbl1
ENSMUSG0ENSMUSGC	2068.324	0.031624	0.103257	0.306261	0.759406	0.945578	Nop10
ENSMUSG0ENSMUSGC	667.6966	-0.08891	0.096336	-0.9229	0.356061	0.774872	Lpcat4
ENSMUSG0ENSMUSGC	1277.395	0.02518	0.088232	0.285381	0.775352	0.950136	Ccdc34
ENSMUSG0ENSMUSGC	3761.009	0.109222	0.09753	1.119882	0.262764	0.706004	Lin7c
ENSMUSG0ENSMUSGC	2111.697	0.12291	0.093924	1.308601	0.190669	0.638189	Commd9
ENSMUSG0ENSMUSGC	1289.326	-0.30025	0.105621	-2.84269	0.004473	0.097868	Traf6
ENSMUSG0ENSMUSGC	678.3559	0.060769	0.121673	0.499446	0.617465	0.907005	B230118HC
ENSMUSG0ENSMUSGC	533.4249	0.010921	0.092526	0.11803	0.906044	0.982338	Dnajc24
ENSMUSG0ENSMUSGC	841.3572	0.19543	0.089501	2.183553	0.028995	0.273828	Elp4
ENSMUSG0ENSMUSGC	7362.028	-0.07111	0.076822	-0.9257	0.354602	0.774327	Pax6
ENSMUSG0ENSMUSGC	4317.493	0.066916	0.08587	0.779265	0.435824	0.818229	Eif3m
ENSMUSG0ENSMUSGC	416.3003	-0.30093	0.112662	-2.67106	0.007561	0.13143	Depdc7
ENSMUSG0ENSMUSGC	362.7059	0.06114	0.14218	0.430021	0.66718	0.925067	Tcp1111
ENSMUSG0ENSMUSGC	1520.471	0.17692	0.108466	1.631121	0.102865	0.499389	Cstf3
ENSMUSG0ENSMUSGC	4367.802	-0.02173	0.104228	-0.20849	0.83485	0.964682	Hipk3
ENSMUSG0ENSMUSGC	2397.88	0.06112	0.078787	0.775767	0.437886	0.819206	Fbxo3
ENSMUSG0ENSMUSGC	10666.31	0.045276	0.085777	0.527833	0.597615	0.897897	Caprin1
ENSMUSG0ENSMUSGC	988.0537	-0.09099	0.102319	-0.88925	0.37387	0.787458	Nat10
ENSMUSG0ENSMUSGC	130.3482	0.117147	0.124187	0.943314	0.34552	0.766949	Cat
ENSMUSG0ENSMUSGC	37.48338	-0.09708	0.134624	-0.72115	0.47082	0.840394	Pamr1
ENSMUSG0ENSMUSGC	7452.469	-0.05326	0.081433	-0.65399	0.513116	0.861882	Trim44
ENSMUSG0ENSMUSGC	5735.916	-0.0873	0.086269	-1.01191	0.311583	0.745302	Api5
ENSMUSG0ENSMUSGC	977.3678	0.052869	0.100907	0.523936	0.600323	0.899005	Ttc17
ENSMUSG0ENSMUSGC	3906.609	0.05268	0.089589	0.588022	0.556518	0.882676	Hsd17b12
ENSMUSG0ENSMUSGC	2953.317	-0.01546	0.069228	-0.22334	0.82327	0.961633	Ext2
ENSMUSG0ENSMUSGC	261.5274	-0.67011	0.123465	-5.42756	5.71E-08	3.60E-05	Gatm
ENSMUSG0ENSMUSGC	305.2824	0.092201	0.141395	0.652079	0.51435	0.862556	Sema6d
ENSMUSG0ENSMUSGC	4864.872	0.021078	0.079636	0.264682	0.791255	0.954487	Myef2
ENSMUSG0ENSMUSGC	5221.96	-0.03607	0.086292	-0.41804	0.675921	0.927604	Dut
ENSMUSG0ENSMUSGC	88.54036	0.0643	0.145307	0.442512	0.658119	0.921545	Fbn1
ENSMUSG0ENSMUSGC	3613.767	0.179225	0.055916	3.205229	0.00135	0.043999	Cops2
ENSMUSG0ENSMUSGC	1869.984	0.090111	0.074161	1.215073	0.224338	0.674326	Galk2
ENSMUSG0ENSMUSGC	842.9286	-0.22097	0.100544	-2.19773	0.027969	0.268002	Meis2
ENSMUSG0ENSMUSGC	1070.62	-0.16319	0.123136	-1.32528	0.18508	0.631891	Cd82
ENSMUSG0ENSMUSGC	121.7799	0.366102	0.145691	2.512858	0.011976	0.169925	Tspan18
ENSMUSG0ENSMUSGC	38862.31	0.178662	0.085865	2.080728	0.037459	0.31432	Syt13
ENSMUSG0ENSMUSGC	58.9626	0.084403	0.131203	0.6433	0.52003	0.865227	Chst1
ENSMUSG0ENSMUSGC	503.5432	0.053952	0.121828	0.442852	0.657873	0.921508	Pex16
ENSMUSG0ENSMUSGC	7244.986	0.084374	0.068932	1.224012	0.220948	0.671826	Mapk8ip1
ENSMUSG0ENSMUSGC	846.9101	0.038139	0.133916	0.284796	0.7758	0.950313	Sord

ENSMUSG0ENSMUSG0	68.21168	-0.102	0.138405	-0.73695	0.461154	0.833795	Creb3l1
ENSMUSG0ENSMUSG0	1460.948	0.050562	0.084187	0.600591	0.548112	0.877475	Eif3j1
ENSMUSG0ENSMUSG0	2078.405	0.043486	0.105122	0.413671	0.679115	0.928688	Frmd5
ENSMUSG0ENSMUSG0	1313.795	-0.08354	0.088338	-0.94571	0.344298	0.766294	Wdr76
ENSMUSG0ENSMUSG0	275.6088	-0.07612	0.095744	-0.79502	0.426604	0.81459	Harbi1
ENSMUSG0ENSMUSG0	2080.062	-0.04456	0.099375	-0.44837	0.653887	0.919859	Atg13
ENSMUSG0ENSMUSG0	212.6207	0.10239	0.131194	0.780448	0.435127	0.817936	Hypk
ENSMUSG0ENSMUSG0	154.1557	0.436011	0.13563	3.214705	0.001306	0.043097	Ell3
ENSMUSG0ENSMUSG0	3003.477	0.031102	0.070245	0.442768	0.657934	0.921508	Arhgap1
ENSMUSG0ENSMUSG0	28529.84	0.093613	0.078265	1.196109	0.231654	0.681648	Pdia3
ENSMUSG0ENSMUSG0	1132.066	-0.01743	0.11645	-0.14972	0.880989	0.976709	Map1a
ENSMUSG0ENSMUSG0	3344.847	0.047063	0.062384	0.754396	0.450611	0.826358	Arfgap2
ENSMUSG0ENSMUSG0	84.2742	0.179375	0.13182	1.360758	0.17359	0.615486	Pacsin3
ENSMUSG0ENSMUSG0	526.565	-0.1743	0.111747	-1.55982	0.118803	0.529492	Adal
ENSMUSG0ENSMUSG0	2463.037	-0.13044	0.075705	-1.72295	0.084897	0.459517	Tubgcp4
ENSMUSG0ENSMUSG0	1502.34	0.0617	0.113908	0.541668	0.588047	0.894311	Ubr1
ENSMUSG0ENSMUSG0	6560.364	0.01089	0.116618	0.093378	0.925603	0.985705	Snap25
ENSMUSG0ENSMUSG0	938.9046	0.184269	0.110184	1.672372	0.094451	0.483356	Mkks
ENSMUSG0ENSMUSG0	55.78818	-0.1911	0.145972	-1.30913	0.190492	0.638148	Jag1
ENSMUSG0ENSMUSG0	397.6561	-0.07128	0.096885	-0.73571	0.461907	0.833916	Slx4ip
ENSMUSG0ENSMUSG0	3365.175	0.162564	0.078943	2.059264	0.039469	0.322089	Mtch2
ENSMUSG0ENSMUSG0	1098.974	-0.11654	0.100288	-1.16203	0.245224	0.693512	Cdan1
ENSMUSG0ENSMUSG0	750.0589	-0.03651	0.094641	-0.38579	0.699649	0.933914	Haus2
ENSMUSG0ENSMUSG0	728.2181	0.029298	0.073349	0.399432	0.689575	0.931588	Lrrc57
ENSMUSG0ENSMUSG0	874.526	0.013115	0.105416	0.124415	0.900987	0.981243	Snap23
ENSMUSG0ENSMUSG0	4686.152	0.134394	0.118459	1.134518	0.256577	0.702225	Zfp106
ENSMUSG0ENSMUSG0	2613.432	-0.05666	0.077888	-0.72741	0.466972	0.837742	Vps39
ENSMUSG0ENSMUSG0	627.3606	0.040794	0.11922	0.342177	0.732217	0.938791	Ehd4
ENSMUSG0ENSMUSG0	106.6542	-0.26824	0.141504	-1.89564	0.058007	0.388665	Ltk
ENSMUSG0ENSMUSG0	94.43918	-0.17301	0.136896	-1.26383	0.206291	0.653818	Tyro3
ENSMUSG0ENSMUSG0	416.4292	0.00386	0.104347	0.036996	0.970488	0.995539	Ubox5
ENSMUSG0ENSMUSG0	3278.409	-0.02594	0.046624	-0.55636	0.577966	0.891871	Ptpa
ENSMUSG0ENSMUSG0	1399.182	-0.12684	0.068102	-1.86256	0.062525	0.403168	Rtf1
ENSMUSG0ENSMUSG0	540.1254	0.076392	0.084358	0.905569	0.365164	0.782125	Ndufaf1
ENSMUSG0ENSMUSG0	3652.439	0.0308	0.057322	0.537322	0.591045	0.895697	Nusap1
ENSMUSG0ENSMUSG0	1785.738	0.01725	0.097773	0.176429	0.859957	0.972503	4930402H2
ENSMUSG0ENSMUSG0	1926.91	-0.0227	0.089529	-0.25358	0.79982	0.956574	Atrn
ENSMUSG0ENSMUSG0	1237.867	0.008791	0.105681	0.083186	0.933704	0.986608	Chac1
ENSMUSG0ENSMUSG0	80.84165	-0.17187	0.144453	-1.18977	0.234135	0.68322	Dll4
ENSMUSG0ENSMUSG0	599.2243	-0.14738	0.124719	-1.18167	0.237339	0.685947	Spint1
ENSMUSG0ENSMUSG0	2686.429	0.147898	0.085242	1.735046	0.082733	0.454163	Rad51
ENSMUSG0ENSMUSG0	135.7103	-0.17502	0.11824	-1.48018	0.138825	0.566965	Rpusd2
ENSMUSG0ENSMUSG0	1367.069	-0.00323	0.125088	-0.0258	0.979414	0.996602	Knl1
ENSMUSG0ENSMUSG0	628.4016	0.199902	0.088364	2.262248	0.023682	0.245557	1700037H0
ENSMUSG0ENSMUSG0	531.8652	-0.14143	0.145766	-0.97027	0.331914	0.758	Spef1
ENSMUSG0ENSMUSG0	4031.09	0.121651	0.091564	1.328586	0.183985	0.631891	Cdc25b
ENSMUSG0ENSMUSG0	3964.702	-0.01452	0.083681	-0.1735	0.862256	0.973163	Knstrn
ENSMUSG0ENSMUSG0	4559.221	0.061796	0.110168	0.560929	0.574846	0.890536	Ivd
ENSMUSG0ENSMUSG0	41.49306	-0.08827	0.140348	-0.62892	0.5294	0.869455	Smox
ENSMUSG0ENSMUSG0	297.3546	0.007655	0.13986	0.054733	0.956351	0.992868	Rassf2
ENSMUSG0ENSMUSG0	1838.408	0.09385	0.102432	0.916218	0.359553	0.777189	Slc23a2
ENSMUSG0ENSMUSG0	744.2093	-0.17731	0.124977	-1.41876	0.15597	0.594364	Tmem230

ENSMUSG0ENSMUSGC	17853.18	0.097213	0.069164	1.405531	0.159864	0.598068	Pcna
ENSMUSG0ENSMUSGC	762.1757	-0.15818	0.126966	-1.24586	0.212815	0.662162	Gpcpd1
ENSMUSG0ENSMUSGC	695.7811	-0.00091	0.13471	-0.00678	0.994588	0.998655	Fam98b
ENSMUSG0ENSMUSGC	91016.9	-0.19532	0.090242	-2.16439	0.030434	0.279438	Chgb
ENSMUSG0ENSMUSGC	273.347	0.030539	0.128833	0.237046	0.812621	0.958721	Spred1
ENSMUSG0ENSMUSGC	996.7376	0.017794	0.106472	0.167127	0.86727	0.974473	Mcm8
ENSMUSG0ENSMUSGC	783.8782	-0.04856	0.125059	-0.38826	0.697821	0.933691	Crls1
ENSMUSG0ENSMUSGC	986.6915	0.126057	0.070736	1.78208	0.074736	0.43416	Gabpb1
ENSMUSG0ENSMUSGC	2822.519	-0.02043	0.08759	-0.23326	0.81556	0.959579	Usp8
ENSMUSG0ENSMUSGC	785.131	0.237932	0.121084	1.965013	0.049413	0.3591	Usp50
ENSMUSG0ENSMUSGC	2383.283	-0.0313	0.106608	-0.29362	0.76905	0.949293	Trpm7
ENSMUSG0ENSMUSGC	1630.63	-0.02987	0.109658	-0.2724	0.785316	0.953405	Sppl2a
ENSMUSG0ENSMUSGC	6537.101	0.07642	0.097191	0.786292	0.431697	0.816305	Stard7
ENSMUSG0ENSMUSGC	353.5243	0.223146	0.117843	1.893583	0.05828	0.389712	Fahd2a
ENSMUSG0ENSMUSGC	1408.294	0.113091	0.09524	1.187434	0.235056	0.683418	Mrps5
ENSMUSG0ENSMUSGC	1092.893	0.001119	0.082071	0.013629	0.989126	0.998539	Nphp1
ENSMUSG0ENSMUSGC	2223.444	0.058405	0.110524	0.528434	0.597198	0.89784	Bub1
ENSMUSG0ENSMUSGC	108.6349	0.112758	0.127419	0.884942	0.376188	0.788231	Acox1
ENSMUSG0ENSMUSGC	1968.915	0.04287	0.074323	0.5768	0.564074	0.885572	Bcl2l11
ENSMUSG0ENSMUSGC	744.827	0.427402	0.082337	5.190906	2.09E-07	9.32E-05	Ndufaf5
ENSMUSG0ENSMUSGC	361.3555	0.021346	0.085531	0.249564	0.802925	0.957091	Zc3h8
ENSMUSG0ENSMUSGC	665.4996	0.113615	0.075531	1.504222	0.132524	0.555041	Ttl
ENSMUSG0ENSMUSGC	526.3562	0.053849	0.103319	0.521194	0.602232	0.899847	Polr1b
ENSMUSG0ENSMUSGC	2309.254	0.012463	0.109627	0.113687	0.909486	0.983107	Slc20a1
ENSMUSG0ENSMUSGC	110.4342	-0.38374	0.138732	-2.76605	0.005674	0.112454	Il1b
ENSMUSG0ENSMUSGC	53732.99	-0.16979	0.118023	-1.43862	0.150258	0.583809	Pdyn
ENSMUSG0ENSMUSGC	6636.502	-0.00439	0.07536	-0.05829	0.953519	0.992357	Snrbp
ENSMUSG0ENSMUSGC	5570.943	0.09335	0.079296	1.177233	0.239102	0.687958	Nop56
ENSMUSG0ENSMUSGC	3295.574	0.050274	0.079041	0.636054	0.524741	0.867774	Idh3b
ENSMUSG0ENSMUSGC	2176.497	0.049115	0.092705	0.529803	0.596249	0.897529	Vps16
ENSMUSG0ENSMUSGC	432.5905	-0.25721	0.10036	-2.56287	0.010381	0.157327	Lpin3
ENSMUSG0ENSMUSGC	82002.57	-0.01934	0.079588	-0.24294	0.808051	0.958353	Pcsk2
ENSMUSG0ENSMUSGC	6302.485	0.049398	0.091337	0.540826	0.588627	0.894696	Rrbp1
ENSMUSG0ENSMUSGC	5240.431	-0.04785	0.103518	-0.46226	0.643894	0.91498	Snx5
ENSMUSG0ENSMUSGC	589.8504	0.003805	0.100078	0.038022	0.96967	0.995539	Mgme1
ENSMUSG0ENSMUSGC	1324.364	-0.13141	0.078958	-1.66431	0.09605	0.48614	Kat14
ENSMUSG0ENSMUSGC	1055.951	-0.05523	0.077085	-0.71653	0.473665	0.8419	Polr3f
ENSMUSG0ENSMUSGC	467.7427	-0.02408	0.090817	-0.26514	0.790905	0.954487	Rbbp9
ENSMUSG0ENSMUSGC	5104.576	0.115904	0.067208	1.724548	0.084609	0.459279	Sec23b
ENSMUSG0ENSMUSGC	676.8792	-0.09811	0.139482	-0.7034	0.481805	0.846451	Dtd1
ENSMUSG0ENSMUSGC	2007.268	0.064198	0.092564	0.693556	0.487961	0.850258	Xrn2
ENSMUSG0ENSMUSGC	5570.883	-0.09153	0.074871	-1.22251	0.221516	0.671888	Nkx2-2
ENSMUSG0ENSMUSGC	293.805	-0.36566	0.107931	-3.38792	0.000704	0.029626	Napb
ENSMUSG0ENSMUSGC	653.1154	-0.01564	0.094025	-0.16629	0.86793	0.974473	Gzf1
ENSMUSG0ENSMUSGC	4949.846	-0.08524	0.096334	-0.88489	0.376219	0.788231	Cst3
ENSMUSG0ENSMUSGC	317.3945	0.197817	0.099831	1.981518	0.047533	0.350962	Gins1
ENSMUSG0ENSMUSGC	3115.758	0.166329	0.0881	1.887954	0.059032	0.391852	Nsfl1c
ENSMUSG0ENSMUSGC	307.8656	0.352209	0.128047	2.750627	0.005948	0.114461	Sdcbp2
ENSMUSG0ENSMUSGC	1870.859	0.017813	0.111595	0.159623	0.873178	0.97593	Snph
ENSMUSG0ENSMUSGC	476.2985	0.289596	0.105048	2.756794	0.005837	0.114003	Fam110a
ENSMUSG0ENSMUSGC	1148.024	-0.07956	0.128194	-0.62065	0.534832	0.87213	Tbc1d20
ENSMUSG0ENSMUSGC	1331.185	-0.16739	0.067883	-2.4659	0.013667	0.182687	Rbck1

ENSMUSG0ENSMUSG0	5410.481	0.060524	0.080189	0.754762	0.450392	0.826098	Tpx2
ENSMUSG0ENSMUSG0	3387.277	0.268518	0.112586	2.385002	0.017079	0.203653	Pdrg1
ENSMUSG0ENSMUSG0	2039.993	0.05724	0.074513	0.768184	0.442378	0.822413	Kif3b
ENSMUSG0ENSMUSG0	131.9482	-0.1067	0.123065	-0.867	0.385944	0.792576	Dnmt3b
ENSMUSG0ENSMUSG0	8068.662	0.09032	0.06912	1.306715	0.191309	0.63851	Mapre1
ENSMUSG0ENSMUSG0	282.9188	0.034764	0.101616	0.342109	0.732269	0.938791	Cdk5rap1
ENSMUSG0ENSMUSG0	273.0745	0.173337	0.110522	1.568343	0.116801	0.526038	Snta1
ENSMUSG0ENSMUSG0	110.987	-0.08626	0.141971	-0.60755	0.543483	0.875214	Necab3
ENSMUSG0ENSMUSG0	3821.674	0.201665	0.065018	3.101669	0.001924	0.055436	E2f1
ENSMUSG0ENSMUSG0	2721.163	-0.36019	0.136944	-2.63017	0.008534	0.140619	Fam210b
ENSMUSG0ENSMUSG0	2762.709	-0.06042	0.103849	-0.58177	0.560722	0.884386	Aurka
ENSMUSG0ENSMUSG0	1363.229	-0.04768	0.09398	-0.50736	0.611903	0.904589	Cstf1
ENSMUSG0ENSMUSG0	1247.873	-0.07175	0.115369	-0.62192	0.533995	0.871974	Pkia
ENSMUSG0ENSMUSG0	2589.689	0.195933	0.126723	1.546147	0.122069	0.535158	Stmn2
ENSMUSG0ENSMUSG0	1536.32	0.030882	0.073758	0.4187	0.675435	0.927604	Rtfdc1
ENSMUSG0ENSMUSG0	11233.48	0.183693	0.07089	2.591222	0.009564	0.149523	Tpd52
ENSMUSG0ENSMUSG0	990.6395	0.038173	0.145401	0.262533	0.792911	0.95528	Pag1
ENSMUSG0ENSMUSG0	1427.082	0.069935	0.069041	1.012943	0.311087	0.745298	Rae1
ENSMUSG0ENSMUSG0	320.764	-0.04304	0.145994	-0.2948	0.768145	0.948789	Rbm38
ENSMUSG0ENSMUSG0	2637.835	0.047243	0.082405	0.573304	0.566439	0.88733	Rab22a
ENSMUSG0ENSMUSG0	1882.713	0.257565	0.11002	2.341063	0.019229	0.21838	Zdbf2
ENSMUSG0ENSMUSG0	3414.995	-0.137	0.106882	-1.28177	0.199923	0.647064	Stx16
ENSMUSG0ENSMUSG0	43695.69	0.066433	0.070618	0.940732	0.346842	0.768352	Gnas
ENSMUSG0ENSMUSG0	379.2518	0.141678	0.145169	0.975949	0.32909	0.755758	Phactr3
ENSMUSG0ENSMUSG0	2422.66	-0.01633	0.057852	-0.28234	0.777681	0.950382	Impa1
ENSMUSG0ENSMUSG0	2640.719	0.012284	0.120898	0.101609	0.919067	0.985494	Fabp5
ENSMUSG0ENSMUSG0	449.3615	0.067163	0.117699	0.570631	0.56825	0.888146	Snx16
ENSMUSG0ENSMUSG0	77.52429	-0.21772	0.131042	-1.66144	0.096625	0.486525	Chmp4c
ENSMUSG0ENSMUSG0	1584.312	-0.39868	0.083703	-4.76305	1.91E-06	0.000463	Ptpn1
ENSMUSG0ENSMUSG0	1683.958	-0.02837	0.079667	-0.35616	0.721723	0.937356	Atp9a
ENSMUSG0ENSMUSG0	617.3045	0.069544	0.099126	0.701571	0.482947	0.847185	Lrrcc1
ENSMUSG0ENSMUSG0	673.0911	0.055209	0.068446	0.806603	0.419895	0.81145	Zfp64
ENSMUSG0ENSMUSG0	375.2633	-0.01693	0.09727	-0.1741	0.861785	0.972861	E2f5
ENSMUSG0ENSMUSG0	232.4397	0.200529	0.120347	1.666254	0.095663	0.485939	Car13
ENSMUSG0ENSMUSG0	336.9431	0.014701	0.137423	0.106973	0.91481	0.984246	Dok5
ENSMUSG0ENSMUSG0	600.7824	0.005963	0.124817	0.04777	0.9619	0.994289	Car2
ENSMUSG0ENSMUSG0	4669.405	0.132209	0.098486	1.342411	0.179463	0.623409	Psma7
ENSMUSG0ENSMUSG0	633.7985	-0.09389	0.094082	-0.99793	0.318315	0.75003	Mrgbp
ENSMUSG0ENSMUSG0	1646.412	0.14907	0.08414	1.771676	0.076448	0.439093	Gid8
ENSMUSG0ENSMUSG0	2883.427	0.011648	0.073877	0.157664	0.874722	0.97593	Arfgap1
ENSMUSG0ENSMUSG0	619.5059	-0.0042	0.134346	-0.03126	0.975062	0.996035	Chrna4
ENSMUSG0ENSMUSG0	721.2968	-0.12543	0.119418	-1.05035	0.293557	0.733452	Helz2
ENSMUSG0ENSMUSG0	5832.387	0.309574	0.114467	2.704477	0.006841	0.124417	Stmn3
ENSMUSG0ENSMUSG0	1365.777	0.167969	0.064553	2.602035	0.009267	0.147008	Zgpat
ENSMUSG0ENSMUSG0	74.64443	-0.10876	0.142368	-0.76396	0.444894	0.823581	Zbtb46
ENSMUSG0ENSMUSG0	962.1509	-0.06559	0.117487	-0.55826	0.576669	0.890536	Pcmdt2
ENSMUSG0ENSMUSG0	6584.178	0.119142	0.06577	1.811509	0.070062	0.423879	Raly
ENSMUSG0ENSMUSG0	5139.269	0.129404	0.071439	1.811387	0.070081	0.423879	Ahcy
ENSMUSG0ENSMUSG0	1493.574	0.060665	0.111725	0.542983	0.587142	0.894311	Itch
ENSMUSG0ENSMUSG0	2044.014	0.162657	0.066051	2.462593	0.013794	0.183462	Armc1
ENSMUSG0ENSMUSG0	2007.148	0.238657	0.087824	2.717437	0.006579	0.121971	Mtfr1
ENSMUSG0ENSMUSG0	1377.992	-0.06409	0.111464	-0.57502	0.56528	0.886635	Map1lc3a

ENSMUSG0ENSMUSGC	1949.292	-0.12768	0.101784	-1.25442	0.209688	0.658575	Ggt7
ENSMUSG0ENSMUSGC	1039.874	0.176312	0.091752	1.921613	0.054654	0.378336	Acss2
ENSMUSG0ENSMUSGC	478.0366	0.092531	0.136098	0.679886	0.496577	0.853814	Gss
ENSMUSG0ENSMUSGC	204.1203	-0.53996	0.122733	-4.39952	1.08E-05	0.001589	Mmp24
ENSMUSG0ENSMUSGC	3471.137	0.081115	0.10313	0.786534	0.431555	0.816305	Eif6
ENSMUSG0ENSMUSGC	527.2444	0.043394	0.082637	0.525113	0.599505	0.898925	Hps3
ENSMUSG0ENSMUSGC	1119.62	-0.07793	0.070548	-1.10466	0.269308	0.711995	Nfs1
ENSMUSG0ENSMUSGC	9217.54	0.036829	0.08206	0.448808	0.65357	0.919812	Rbm39
ENSMUSG0ENSMUSGC	1502.697	-0.10122	0.127537	-0.79369	0.427375	0.81459	Epb41l1
ENSMUSG0ENSMUSGC	1057.032	-0.00123	0.085237	-0.01446	0.988464	0.998397	Aar2
ENSMUSG0ENSMUSGC	1204.834	-0.05633	0.111858	-0.50356	0.614568	0.905841	Tbl1xr1
ENSMUSG0ENSMUSGC	3933.151	0.036596	0.098937	0.36989	0.711464	0.935647	Ndr3
ENSMUSG0ENSMUSGC	872.3757	0.079387	0.105765	0.750597	0.452895	0.827496	Dsn1
ENSMUSG0ENSMUSGC	1864.541	0.067272	0.104733	0.642314	0.520669	0.865537	1110008F1
ENSMUSG0ENSMUSGC	1412.218	0.087337	0.102213	0.854458	0.392851	0.795486	Samhd1
ENSMUSG0ENSMUSGC	1218.781	-0.0559	0.099045	-0.56435	0.572517	0.889939	Rbl1
ENSMUSG0ENSMUSGC	35533.53	0.004231	0.090134	0.046937	0.962563	0.994289	Rpn2
ENSMUSG0ENSMUSGC	154.2539	-0.48947	0.128981	-3.79486	0.000148	0.010791	Src
ENSMUSG0ENSMUSGC	2124.231	0.035137	0.066164	0.53105	0.595384	0.896811	Ctnnbl1
ENSMUSG0ENSMUSGC	1548.404	0.02817	0.069523	0.405193	0.685335	0.931173	Tti1
ENSMUSG0ENSMUSGC	2790.928	-0.06554	0.056771	-1.15455	0.248276	0.695618	Rprd1b
ENSMUSG0ENSMUSGC	2955.159	-0.06898	0.087831	-0.78536	0.432244	0.816305	Ralgapb
ENSMUSG0ENSMUSGC	1174.496	-0.01546	0.072782	-0.21235	0.831834	0.963529	Fam83d
ENSMUSG0ENSMUSGC	418.8302	-0.11007	0.099605	-1.1051	0.269117	0.711911	Dhx35
ENSMUSG0ENSMUSGC	1689.709	-0.04107	0.116043	-0.35393	0.723389	0.937789	Skil
ENSMUSG0ENSMUSGC	2256.194	-0.186	0.090994	-2.0441	0.040943	0.329087	Zmat3
ENSMUSG0ENSMUSGC	1543.455	0.046588	0.126466	0.368388	0.712584	0.935647	Pik3ca
ENSMUSG0ENSMUSGC	933.1033	-0.10077	0.076613	-1.31535	0.188393	0.635816	Zfp639
ENSMUSG0ENSMUSGC	1674.543	-0.10039	0.132545	-0.75741	0.448806	0.825078	Mfn1
ENSMUSG0ENSMUSGC	105.554	-0.10569	0.13369	-0.79055	0.429205	0.815457	Gnb4
ENSMUSG0ENSMUSGC	50.08824	-0.03764	0.145952	-0.2579	0.796488	0.955634	Ocstamp
ENSMUSG0ENSMUSGC	2010.501	-0.21753	0.072686	-2.99274	0.002765	0.071903	Actl6a
ENSMUSG0ENSMUSGC	3292.462	0.206102	0.10664	1.932679	0.053276	0.37491	Ndufb5
ENSMUSG0ENSMUSGC	4012.28	0.017299	0.145322	0.119042	0.905242	0.982338	Pex5l
ENSMUSG0ENSMUSGC	112.343	-0.0947	0.116413	-0.81348	0.415944	0.808403	Ccdc39
ENSMUSG0ENSMUSGC	2088.244	-0.04332	0.095543	-0.45337	0.650281	0.918867	Ttc14
ENSMUSG0ENSMUSGC	1175.639	-0.15031	0.094826	-1.5851	0.112943	0.518563	Ncoa3
ENSMUSG0ENSMUSGC	967.5374	0.025097	0.122559	0.204778	0.837745	0.965548	Dnajc19
ENSMUSG0ENSMUSGC	3017.474	0.06915	0.069108	1.000614	0.317013	0.750019	Fxr1
ENSMUSG0ENSMUSGC	1110.068	0.010203	0.11937	0.085475	0.931884	0.986608	Slc2a2
ENSMUSG0ENSMUSGC	542.3556	-0.03103	0.145376	-0.21346	0.830971	0.963364	Tnik
ENSMUSG0ENSMUSGC	372.9173	-0.0373	0.117426	-0.31761	0.750782	0.942712	Pld1
ENSMUSG0ENSMUSGC	1737.125	0.117707	0.090216	1.304727	0.191986	0.638822	Nceh1
ENSMUSG0ENSMUSGC	2762.148	-0.01869	0.110983	-0.16844	0.866235	0.974432	Ect2
ENSMUSG0ENSMUSGC	4304.85	0.191395	0.093708	2.042453	0.041107	0.329756	Sec62
ENSMUSG0ENSMUSGC	939.4057	0.080773	0.114848	0.703304	0.481866	0.846451	Dcun1d1
ENSMUSG0ENSMUSGC	386.5647	0.09574	0.123408	0.775803	0.437865	0.819206	Mccc1
ENSMUSG0ENSMUSGC	955.4652	0.009819	0.081683	0.120214	0.904314	0.982338	Acad9
ENSMUSG0ENSMUSGC	9690.611	0.092757	0.087839	1.055993	0.290972	0.730515	Anxa5
ENSMUSG0ENSMUSGC	63.20682	-0.09835	0.134923	-0.72893	0.466044	0.836799	1810062G1
ENSMUSG0ENSMUSGC	1209.927	0.136013	0.105008	1.295263	0.195229	0.641176	Exosc9
ENSMUSG0ENSMUSGC	9150.139	0.024034	0.066462	0.361619	0.717637	0.935997	Ccna2

ENSMUSG0ENSMUSG0	605.1939	0.191884	0.126563	1.516116	0.12949	0.549048	Spata5
ENSMUSG0ENSMUSG0	173.388	0.038163	0.119522	0.319296	0.749502	0.942352	Slc7a11
ENSMUSG0ENSMUSG0	1343.773	0.235842	0.081944	2.878074	0.004001	0.091268	Rab33b
ENSMUSG0ENSMUSG0	2462.657	0.010045	0.086233	0.116483	0.90727	0.982338	Cog6
ENSMUSG0ENSMUSG0	4797.89	-0.03907	0.078813	-0.49575	0.620071	0.907694	Ufm1
ENSMUSG0ENSMUSG0	54.8632	-0.27515	0.145934	-1.88544	0.05937	0.392679	Trpc4
ENSMUSG0ENSMUSG0	1394.732	0.077165	0.079565	0.969839	0.332127	0.758	Supt20
ENSMUSG0ENSMUSG0	1235.684	0.154084	0.07597	2.028235	0.042536	0.333069	Exosc8
ENSMUSG0ENSMUSG0	2489.958	0.07959	0.088147	0.902932	0.366562	0.783263	Mbnl1
ENSMUSG0ENSMUSG0	6417.981	0.091665	0.08897	1.030292	0.302873	0.739759	P2ry1
ENSMUSG0ENSMUSG0	2206.513	0.056549	0.073457	0.769829	0.441401	0.821484	Dhx36
ENSMUSG0ENSMUSG0	978.4117	0.026855	0.081395	0.329937	0.741448	0.94054	Gfm1
ENSMUSG0ENSMUSG0	920.7137	-0.20952	0.099876	-2.09777	0.035925	0.306258	Mfsd1
ENSMUSG0ENSMUSG0	753.4739	0.167125	0.09945	1.680503	0.092859	0.477855	Schip1
ENSMUSG0ENSMUSG0	1563.006	-0.02913	0.093823	-0.31045	0.756219	0.944671	Ift80
ENSMUSG0ENSMUSG0	997.0296	0.180214	0.101136	1.781905	0.074765	0.43416	Kpna4
ENSMUSG0ENSMUSG0	1275.987	0.13198	0.103687	1.272873	0.203063	0.650454	Ppm1l
ENSMUSG0ENSMUSG0	1681.828	-0.05916	0.063947	-0.92513	0.354899	0.774327	Nmd3
ENSMUSG0ENSMUSG0	46.20727	0.121338	0.144717	0.838449	0.401778	0.79975	Bche
ENSMUSG0ENSMUSG0	664.1492	0.138299	0.145685	0.9493	0.342468	0.765386	Smad9
ENSMUSG0ENSMUSG0	3929.804	0.137608	0.108424	1.269158	0.204385	0.652499	Dclk1
ENSMUSG0ENSMUSG0	2822.743	0.105619	0.074208	1.423296	0.15465	0.591966	Nbea
ENSMUSG0ENSMUSG0	110.453	-0.17497	0.139661	-1.25285	0.210261	0.659576	Tm4sf4
ENSMUSG0ENSMUSG0	2828.567	0.101079	0.064789	1.560126	0.11873	0.529492	Ppid
ENSMUSG0ENSMUSG0	1199.138	0.148461	0.116501	1.274336	0.202544	0.650197	Pfn2
ENSMUSG0ENSMUSG0	1182.529	-0.06979	0.120387	-0.57973	0.562097	0.885011	Tsc22d2
ENSMUSG0ENSMUSG0	11242.43	-0.16506	0.120508	-1.36971	0.170777	0.612136	Serp1
ENSMUSG0ENSMUSG0	1969.6	0.118564	0.084476	1.403518	0.160463	0.599197	Etfhdh
ENSMUSG0ENSMUSG0	2453.773	0.090066	0.079687	1.130246	0.258373	0.702822	Eif2a
ENSMUSG0ENSMUSG0	1386.91	0.087836	0.120438	0.729304	0.465816	0.83678	4930579G2
ENSMUSG0ENSMUSG0	1706.666	-0.03086	0.087163	-0.35404	0.723307	0.937773	Slc33a1
ENSMUSG0ENSMUSG0	2303.662	0.147893	0.068917	2.14595	0.031877	0.286709	Gmps
ENSMUSG0ENSMUSG0	6609.277	-0.00364	0.095793	-0.03795	0.969724	0.995539	Ssr3
ENSMUSG0ENSMUSG0	919.5035	-0.06813	0.077938	-0.87417	0.382027	0.790739	Ccnl1
ENSMUSG0ENSMUSG0	186.7958	0.101757	0.117476	0.866194	0.386384	0.792576	Shox2
ENSMUSG0ENSMUSG0	2597.496	-0.04326	0.118312	-0.36564	0.714635	0.935647	Serpini1
ENSMUSG0ENSMUSG0	1671.223	0.071372	0.065151	1.095488	0.273303	0.716181	Pdcd10
ENSMUSG0ENSMUSG0	520.6024	0.038179	0.08936	0.427246	0.6692	0.925142	Dclre1b
ENSMUSG0ENSMUSG0	52.21638	-0.45637	0.145891	-3.12816	0.001759	0.052251	Olfml3
ENSMUSG0ENSMUSG0	2132.815	0.168544	0.08497	1.983561	0.047305	0.350452	Nras
ENSMUSG0ENSMUSG0	988.125	0.036376	0.1208	0.301123	0.763321	0.946679	Sike1
ENSMUSG0ENSMUSG0	1012.375	-0.06076	0.095267	-0.63776	0.52363	0.867391	Tspan2
ENSMUSG0ENSMUSG0	299.0672	-0.25551	0.124208	-2.05711	0.039676	0.322987	Vangl1
ENSMUSG0ENSMUSG0	1672.088	0.206723	0.077202	2.677679	0.007413	0.130733	Gdap2
ENSMUSG0ENSMUSG0	986.7637	0.011926	0.125813	0.094793	0.924479	0.985705	Tbx15
ENSMUSG0ENSMUSG0	3215.921	0.073419	0.064662	1.135436	0.256193	0.702061	Sec22b
ENSMUSG0ENSMUSG0	2071.822	-0.02241	0.093879	-0.23867	0.811362	0.95864	Prpf38b
ENSMUSG0ENSMUSG0	777.9432	-0.03352	0.096108	-0.34882	0.727225	0.938587	Stxbp3
ENSMUSG0ENSMUSG0	1241.709	-0.05905	0.088998	-0.66351	0.507006	0.85875	Gpsm2
ENSMUSG0ENSMUSG0	1367.765	-0.07921	0.083802	-0.94516	0.344575	0.766383	Clcc1
ENSMUSG0ENSMUSG0	12371.21	0.063373	0.125113	0.506527	0.612486	0.904952	Ampd2
ENSMUSG0ENSMUSG0	427.8895	-0.04818	0.133553	-0.36075	0.718286	0.935997	Gstm4

ENSMUSG0ENSMUSGC	14294.41	-0.02924	0.085056	-0.34383	0.730976	0.938791	Ahcyl1
ENSMUSG0ENSMUSGC	2840.876	-0.03803	0.109818	-0.34632	0.729103	0.938791	Slc6a17
ENSMUSG0ENSMUSGC	129.6261	0.504314	0.135971	3.708973	0.000208	0.01306	Kcnc4
ENSMUSG0ENSMUSGC	76.25956	0.020731	0.140694	0.147349	0.882856	0.976958	Slc16a4
ENSMUSG0ENSMUSGC	1000.763	-0.28332	0.116125	-2.43979	0.014696	0.190243	Dram2
ENSMUSG0ENSMUSGC	562.1149	0.172305	0.091099	1.891416	0.058569	0.391054	Dennd2d
ENSMUSG0ENSMUSGC	1228.816	0.071951	0.063722	1.129144	0.258837	0.703765	Ddx20
ENSMUSG0ENSMUSGC	1824.301	0.254229	0.134231	1.893962	0.05823	0.389684	S100a11
ENSMUSG0ENSMUSGC	525.7004	-0.07489	0.122148	-0.61314	0.539786	0.873794	Npr1
ENSMUSG0ENSMUSGC	219.2124	-0.13851	0.138032	-1.00344	0.31565	0.748548	Slc27a3
ENSMUSG0ENSMUSGC	3580.95	0.038872	0.089461	0.434516	0.663914	0.924679	Ints3
ENSMUSG0ENSMUSGC	367.5407	-0.11707	0.118931	-0.98438	0.324927	0.754224	Rab13
ENSMUSG0ENSMUSGC	1556.19	-0.03578	0.087788	-0.40753	0.683621	0.93061	Crtc2
ENSMUSG0ENSMUSGC	1386.415	0.026935	0.09236	0.291628	0.770571	0.949297	Jtb
ENSMUSG0ENSMUSGC	36.9229	0.041284	0.145576	0.283587	0.776727	0.950382	Nup210l
ENSMUSG0ENSMUSGC	6258.512	0.13839	0.090404	1.530797	0.12582	0.542168	Tpm3
ENSMUSG0ENSMUSGC	2626.277	0.011963	0.10415	0.114864	0.908553	0.982655	4933434E2
ENSMUSG0ENSMUSGC	2995.104	0.129763	0.131268	0.988539	0.322889	0.75241	Hax1
ENSMUSG0ENSMUSGC	313.9833	-0.23384	0.14579	-1.60398	0.108719	0.511167	Il6ra
ENSMUSG0ENSMUSGC	1681.574	0.110679	0.059554	1.858448	0.063105	0.404949	Chrnab2
ENSMUSG0ENSMUSGC	1428.604	-0.0437	0.107486	-0.40652	0.684362	0.931067	Adar
ENSMUSG0ENSMUSGC	2043.984	0.25524	0.076058	3.355873	0.000791	0.031814	Pmvk
ENSMUSG0ENSMUSGC	2035.831	-0.0295	0.089012	-0.33143	0.740321	0.940232	Slc50a1
ENSMUSG0ENSMUSGC	84.84263	-0.07829	0.13469	-0.58127	0.561061	0.884506	Efna1
ENSMUSG0ENSMUSGC	173.9724	-0.19009	0.138174	-1.37574	0.168901	0.609423	Tmem144
ENSMUSG0ENSMUSGC	1746.715	-0.00219	0.09157	-0.02394	0.980899	0.997162	Slc35a3
ENSMUSG0ENSMUSGC	758.7034	0.16299	0.087441	1.863997	0.062322	0.402444	Sass6
ENSMUSG0ENSMUSGC	45.91321	-0.14437	0.144489	-0.99916	0.317718	0.750019	Lrrc39
ENSMUSG0ENSMUSGC	1075.157	-0.00144	0.08666	-0.01659	0.986767	0.998041	Extl2
ENSMUSG0ENSMUSGC	311.3878	0.333114	0.100875	3.302235	0.000959	0.035993	Col11a1
ENSMUSG0ENSMUSGC	1865.086	0.146294	0.068636	2.131436	0.033053	0.291632	Larp7
ENSMUSG0ENSMUSGC	115.2844	-0.19592	0.145858	-1.34323	0.179197	0.623409	Ndst4
ENSMUSG0ENSMUSGC	79.91102	-0.14923	0.144868	-1.03009	0.302966	0.739759	Ndst3
ENSMUSG0ENSMUSGC	759.6716	0.043995	0.116393	0.377992	0.705437	0.934791	Rnpc3
ENSMUSG0ENSMUSGC	304.7399	0.001299	0.108304	0.011991	0.990433	0.998539	Cyp2u1
ENSMUSG0ENSMUSGC	1836.878	0.421976	0.13409	3.146962	0.00165	0.050463	Hadh
ENSMUSG0ENSMUSGC	1064.179	-0.10015	0.080883	-1.2382	0.215643	0.666896	Trim2
ENSMUSG0ENSMUSGC	145.13	-0.18047	0.14105	-1.27946	0.200736	0.648281	Mcub
ENSMUSG0ENSMUSGC	71.40042	-0.32808	0.142431	-2.30341	0.021256	0.231563	Casp6
ENSMUSG0ENSMUSGC	2171.839	0.167938	0.06043	2.779064	0.005452	0.109746	Plrg1
ENSMUSG0ENSMUSGC	363.0583	-0.0773	0.111946	-0.69048	0.48989	0.851509	Pla2g12a
ENSMUSG0ENSMUSGC	47.45418	-0.27771	0.142614	-1.94728	0.051501	0.367155	Gucy1b3
ENSMUSG0ENSMUSGC	309.9108	-0.01394	0.105353	-0.13229	0.894754	0.97986	Snx7
ENSMUSG0ENSMUSGC	352.4797	-0.02912	0.096025	-0.30327	0.761681	0.94648	Gar1
ENSMUSG0ENSMUSGC	45.26575	0.116716	0.143659	0.812455	0.416531	0.808671	Tdo2
ENSMUSG0ENSMUSGC	713.0786	-0.06465	0.113247	-0.57089	0.568072	0.888146	Ppa2
ENSMUSG0ENSMUSGC	1292.571	-0.3883	0.134337	-2.89049	0.003846	0.089419	Ctso
ENSMUSG0ENSMUSGC	627.6391	0.025034	0.076749	0.326175	0.744292	0.940717	Ints12
ENSMUSG0ENSMUSGC	67.72561	-0.12607	0.145719	-0.86517	0.386946	0.792934	Egf
ENSMUSG0ENSMUSGC	317.5475	-0.02754	0.112753	-0.24428	0.807015	0.958353	Gstcd
ENSMUSG0ENSMUSGC	1915.345	-0.01176	0.099141	-0.11862	0.905575	0.982338	Glrh
ENSMUSG0ENSMUSGC	446.8655	-0.38575	0.106456	-3.62356	0.000291	0.016537	Enpep

ENSMUSG0ENSMUSG0	100.2132	-0.02253	0.145852	-0.15447	0.87724	0.976224	Alpk1
ENSMUSG0ENSMUSG0	1899.93	0.12065	0.093225	1.294173	0.195606	0.641477	Aimp1
ENSMUSG0ENSMUSG0	729.3409	0.074859	0.090037	0.83142	0.405736	0.801815	Tbck
ENSMUSG0ENSMUSG0	2853.7	0.065635	0.057262	1.14623	0.2517	0.697958	Papss1
ENSMUSG0ENSMUSG0	3607.659	-0.16283	0.096609	-1.68544	0.091904	0.476156	Fubp1
ENSMUSG0ENSMUSG0	295.583	-0.04625	0.116367	-0.39747	0.691018	0.931679	Dnajb4
ENSMUSG0ENSMUSG0	51.24854	-0.13348	0.140606	-0.9493	0.342467	0.765386	Efna3
ENSMUSG0ENSMUSG0	1485.684	-0.05636	0.121569	-0.46358	0.642951	0.914852	Adam15
ENSMUSG0ENSMUSG0	786.0729	-0.08785	0.122527	-0.71698	0.473389	0.8419	Zbtb7b
ENSMUSG0ENSMUSG0	2216.527	0.11121	0.105314	1.05599	0.290973	0.730515	Cks1b
ENSMUSG0ENSMUSG0	328.9901	0.010155	0.145621	0.069738	0.944402	0.989406	Thbs3
ENSMUSG0ENSMUSG0	2582.223	0.051285	0.079258	0.647068	0.517588	0.863938	Gba
ENSMUSG0ENSMUSG0	2860.985	0.24462	0.075999	3.218738	0.001288	0.04292	Scamp3
ENSMUSG0ENSMUSG0	442.4155	0.084715	0.102757	0.824416	0.409703	0.803007	Hcn3
ENSMUSG0ENSMUSG0	2411.021	0.035265	0.116695	0.302202	0.762498	0.946679	Ash1l
ENSMUSG0ENSMUSG0	487.6955	0.119215	0.092574	1.287784	0.197821	0.645176	Rit1
ENSMUSG0ENSMUSG0	1234.268	-0.11399	0.114888	-0.99215	0.321126	0.751482	Arhgef2
ENSMUSG0ENSMUSG0	2443.333	0.021728	0.080419	0.270185	0.787018	0.95382	2810403A0
ENSMUSG0ENSMUSG0	1391.536	0.0807	0.111097	0.726393	0.467598	0.838455	Lamtor2
ENSMUSG0ENSMUSG0	3372.498	0.183274	0.080026	2.290175	0.022011	0.236514	Lmna
ENSMUSG0ENSMUSG0	846.0008	-0.19948	0.145942	-1.36687	0.171665	0.613379	Sema4a
ENSMUSG0ENSMUSG0	2349.802	0.113106	0.086607	1.305966	0.191564	0.638563	Pmf1
ENSMUSG0ENSMUSG0	1890.003	-0.08805	0.066086	-1.33242	0.182723	0.629824	Iqgap3
ENSMUSG0ENSMUSG0	525.0753	0.113172	0.085629	1.321646	0.186286	0.632483	Gpatch4
ENSMUSG0ENSMUSG0	3133.274	0.107845	0.119654	0.901303	0.367427	0.783695	Naxe
ENSMUSG0ENSMUSG0	46.94741	-0.18347	0.13858	-1.32396	0.185516	0.631891	Pear1
ENSMUSG0ENSMUSG0	2732.548	0.070678	0.071929	0.982608	0.3258	0.754238	Lrba
ENSMUSG0ENSMUSG0	19862.92	0.077695	0.099987	0.777048	0.43713	0.819028	Rps3a1
ENSMUSG0ENSMUSG0	991.5753	0.10651	0.117353	0.907601	0.364089	0.781561	Sh3d19
ENSMUSG0ENSMUSG0	428.7415	-0.20067	0.097375	-2.06076	0.039326	0.321706	Gatb
ENSMUSG0ENSMUSG0	1771.765	0.162153	0.111839	1.449879	0.147092	0.578629	Fbxw7
ENSMUSG0ENSMUSG0	94.31099	-0.17173	0.143247	-1.19882	0.230597	0.68059	Fmo5
ENSMUSG0ENSMUSG0	474.6324	0.083048	0.108577	0.764874	0.444347	0.823227	Chd1l
ENSMUSG0ENSMUSG0	575.5065	-0.03836	0.134215	-0.28581	0.775026	0.950088	Acp6
ENSMUSG0ENSMUSG0	1055.271	-0.06494	0.124194	-0.52289	0.601049	0.89918	Gpr89
ENSMUSG0ENSMUSG0	2302.959	0.007772	0.059076	0.131558	0.895334	0.980094	Rnf115
ENSMUSG0ENSMUSG0	1165.263	-0.17279	0.085618	-2.01813	0.043577	0.337289	Polr3c
ENSMUSG0ENSMUSG0	1382.365	0.039824	0.072142	0.552028	0.580929	0.892821	Pias3
ENSMUSG0ENSMUSG0	809.0097	-0.13538	0.076256	-1.77529	0.075851	0.437736	Pex11b
ENSMUSG0ENSMUSG0	359.3867	-0.2383	0.104828	-2.27326	0.023011	0.24181	Polr3gl
ENSMUSG0ENSMUSG0	1448.671	0.003231	0.095587	0.0338	0.973037	0.995862	Rprd2
ENSMUSG0ENSMUSG0	1096.741	0.012965	0.070086	0.184989	0.853237	0.969997	Tars2
ENSMUSG0ENSMUSG0	80.04559	-0.24438	0.144093	-1.69601	0.089883	0.472413	Ecm1
ENSMUSG0ENSMUSG0	845.5591	0.047853	0.076005	0.629608	0.528951	0.869382	Mettl14
ENSMUSG0ENSMUSG0	3572.438	-0.00232	0.095075	-0.02437	0.980554	0.996963	Gclm
ENSMUSG0ENSMUSG0	132.6746	-0.28395	0.114647	-2.47675	0.013259	0.179926	Abca4
ENSMUSG0ENSMUSG0	959.0494	-0.0628	0.086325	-0.72751	0.466911	0.837742	Pip5k1a
ENSMUSG0ENSMUSG0	4423.061	0.117349	0.115838	1.013044	0.311039	0.745298	Abcd3
ENSMUSG0ENSMUSG0	395.9157	-0.04365	0.130364	-0.33485	0.737735	0.939958	F3
ENSMUSG0ENSMUSG0	1957.412	0.029311	0.115572	0.253616	0.799792	0.956574	Tmem56
ENSMUSG0ENSMUSG0	73.53262	-0.21971	0.135284	-1.62404	0.104367	0.501644	Rwdd3
ENSMUSG0ENSMUSG0	825.7357	-0.14033	0.117529	-1.194	0.232479	0.682081	Ptbp2

ENSMUSG0ENSMUSGC	2896.838	0.078634	0.072967	1.077676	0.281178	0.721819	Snx27
ENSMUSG0ENSMUSGC	5529.837	0.001284	0.103933	0.012351	0.990146	0.998539	Celf3
ENSMUSG0ENSMUSGC	3357.079	0.041374	0.083915	0.493044	0.621982	0.907988	Adh5
ENSMUSG0ENSMUSGC	48.22434	0.156663	0.145921	1.073617	0.282994	0.72399	Riiad1
ENSMUSG0ENSMUSGC	1450.623	0.112412	0.07506	1.497617	0.134233	0.558569	Mrpl9
ENSMUSG0ENSMUSGC	306.0528	0.073068	0.101361	0.72087	0.47099	0.840394	Them4
ENSMUSG0ENSMUSGC	1864.654	0.030488	0.080874	0.376979	0.706189	0.934791	Rap1gds1
ENSMUSG0ENSMUSGC	1272.269	-0.04445	0.084064	-0.52872	0.596997	0.89784	Rorc
ENSMUSG0ENSMUSGC	3430.987	0.115797	0.06035	1.918749	0.055016	0.379148	Tspan5
ENSMUSG0ENSMUSGC	4609.47	0.033313	0.097116	0.343017	0.731586	0.938791	Eif4e
ENSMUSG0ENSMUSGC	241.918	-0.13948	0.137161	-1.01691	0.309195	0.743522	Mttp
ENSMUSG0ENSMUSGC	285.8649	0.215107	0.117585	1.829378	0.067343	0.416748	Dapp1
ENSMUSG0ENSMUSGC	1763.364	-0.13139	0.102108	-1.28682	0.198156	0.645235	Ppp3ca
ENSMUSG0ENSMUSGC	1255.058	0.017068	0.080635	0.211673	0.832362	0.963807	Nfkb1
ENSMUSG0ENSMUSGC	419.3532	0.081968	0.116966	0.700789	0.483435	0.847748	Manba
ENSMUSG0ENSMUSGC	2764.988	0.051749	0.061211	0.84542	0.397876	0.798441	Cisd2
ENSMUSG0ENSMUSGC	170.0327	-0.54424	0.13877	-3.92191	8.79E-05	0.007528	Tacr3
ENSMUSG0ENSMUSGC	5826.027	-0.06958	0.070666	-0.98469	0.324777	0.754224	Wls
ENSMUSG0ENSMUSGC	1016.37	-0.10073	0.094859	-1.0619	0.288283	0.728621	Depdc1a
ENSMUSG0ENSMUSGC	229.5721	0.032001	0.145986	0.219206	0.826489	0.962521	Cth
ENSMUSG0ENSMUSGC	3153.531	0.107201	0.098087	1.092925	0.274427	0.716737	Zranb2
ENSMUSG0ENSMUSGC	69.10606	0.038026	0.14136	0.268999	0.78793	0.954146	Lrriq3
ENSMUSG0ENSMUSGC	919.3197	-0.01423	0.102071	-0.13943	0.889113	0.978618	Rpf1
ENSMUSG0ENSMUSGC	60.67725	-0.08808	0.145041	-0.6073	0.543652	0.875214	Spata1
ENSMUSG0ENSMUSGC	167.6397	-0.05779	0.116285	-0.49694	0.619228	0.907335	Ctbs
ENSMUSG0ENSMUSGC	820.2921	-0.0482	0.07391	-0.65213	0.514321	0.862556	Bcl10
ENSMUSG0ENSMUSGC	383.1961	-0.16317	0.11574	-1.40983	0.158589	0.59683	Cryz
ENSMUSG0ENSMUSGC	2866.457	-0.19333	0.069165	-2.7952	0.005187	0.106118	Asph
ENSMUSG0ENSMUSGC	933.2801	-0.30544	0.135218	-2.25885	0.023892	0.246618	Trp53inp1
ENSMUSG0ENSMUSGC	2824.697	-0.02679	0.102774	-0.26068	0.794339	0.955378	Ccne2
ENSMUSG0ENSMUSGC	495.4857	-0.15049	0.138951	-1.08301	0.278803	0.720991	Gem
ENSMUSG0ENSMUSGC	1669.599	0.039337	0.112416	0.349926	0.726394	0.938409	Fam92a
ENSMUSG0ENSMUSGC	895.6905	0.223972	0.092436	2.423002	0.015393	0.194299	Tmem55a
ENSMUSG0ENSMUSGC	442.0108	-0.10367	0.108892	-0.95203	0.341082	0.763821	Calb1
ENSMUSG0ENSMUSGC	805.8981	0.066475	0.132597	0.50133	0.616139	0.906342	Decr1
ENSMUSG0ENSMUSGC	1203.4	0.072963	0.07005	1.041592	0.297601	0.736076	Nbn
ENSMUSG0ENSMUSGC	66.38765	-0.00373	0.144003	-0.02588	0.979356	0.996602	Mmp16
ENSMUSG0ENSMUSGC	1067.034	0.036417	0.102352	0.355803	0.721988	0.937571	Cpne3
ENSMUSG0ENSMUSGC	306.619	-0.03556	0.099185	-0.35857	0.719917	0.936421	Rmdn1
ENSMUSG0ENSMUSGC	1008.183	-0.10409	0.084682	-1.22921	0.218993	0.669212	Tmem68
ENSMUSG0ENSMUSGC	832.2858	-0.00061	0.114924	-0.00532	0.995757	0.998655	Tgs1
ENSMUSG0ENSMUSGC	8261.058	0.140178	0.113405	1.236081	0.216428	0.667111	Rps20
ENSMUSG0ENSMUSGC	1186.698	0.077928	0.127382	0.611766	0.540693	0.873998	Ubxn2b
ENSMUSG0ENSMUSGC	1371.801	0.023534	0.089422	0.263173	0.792417	0.954966	Nsmaf
ENSMUSG0ENSMUSGC	517.2348	-0.10672	0.133299	-0.80058	0.423375	0.813444	Faxc
ENSMUSG0ENSMUSGC	182.9507	0.065551	0.128263	0.511071	0.609301	0.903796	Coq3
ENSMUSG0ENSMUSGC	2339.7	0.077368	0.093331	0.828958	0.407128	0.802193	Pnir
ENSMUSG0ENSMUSGC	6768.04	0.040385	0.103056	0.391876	0.69515	0.933115	Sdcbp
ENSMUSG0ENSMUSGC	367.8041	-0.10692	0.12575	-0.85026	0.395182	0.796836	Tstd3
ENSMUSG0ENSMUSGC	1042.778	0.022723	0.090451	0.251224	0.801641	0.95676	Ccnc
ENSMUSG0ENSMUSGC	813.5112	-0.12785	0.082577	-1.5482	0.121575	0.534218	Odf2l
ENSMUSG0ENSMUSGC	1523.036	0.201196	0.09043	2.224882	0.026089	0.258488	Ndufaf4

ENSMUSG0ENSMUSGC	265.8833	-0.04809	0.145917	-0.32958	0.741716	0.94054	Lmo4
ENSMUSG0ENSMUSGC	41.59752	-0.02354	0.140127	-0.16798	0.8666	0.974473	Gbp3
ENSMUSG0ENSMUSGC	1755.198	-0.03297	0.080112	-0.41158	0.680646	0.929103	Gtf2b
ENSMUSG0ENSMUSGC	1056.445	0.184319	0.088402	2.085009	0.037068	0.312417	Pdlim5
ENSMUSG0ENSMUSGC	1010.475	0.100792	0.080536	1.251508	0.210749	0.659748	Rngtt
ENSMUSG0ENSMUSGC	5503.673	0.148013	0.060486	2.447048	0.014403	0.187831	Ube2j1
ENSMUSG0ENSMUSGC	1457.791	-0.06589	0.139976	-0.47073	0.637835	0.913038	Rragd
ENSMUSG0ENSMUSGC	1500.416	0.064973	0.105005	0.618758	0.536076	0.872592	Casp8ap2
ENSMUSG0ENSMUSGC	3832.656	-0.00287	0.074302	-0.03863	0.969183	0.995539	Map3k7
ENSMUSG0ENSMUSGC	466.8479	0.095064	0.124737	0.762113	0.445993	0.824037	Epha7
ENSMUSG0ENSMUSGC	1190.655	-0.05579	0.080385	-0.69406	0.487643	0.850076	Akirin2
ENSMUSG0ENSMUSGC	882.1003	-0.11907	0.126731	-0.93957	0.347436	0.769031	Rars2
ENSMUSG0ENSMUSGC	935.578	-0.38435	0.071806	-5.35262	8.67E-08	4.64E-05	Slc35a1
ENSMUSG0ENSMUSGC	490.6338	-0.05838	0.135783	-0.42995	0.667233	0.925067	Smim8
ENSMUSG0ENSMUSGC	637.4545	-0.03331	0.111275	-0.29935	0.764674	0.947561	3110043O2
ENSMUSG0ENSMUSGC	2227.607	-0.0165	0.101011	-0.16336	0.870239	0.975061	Rnf20
ENSMUSG0ENSMUSGC	4045.342	0.066583	0.105358	0.631976	0.527402	0.868745	Smc2
ENSMUSG0ENSMUSGC	409.5355	0.227053	0.099834	2.274297	0.022948	0.241534	Polr1e
ENSMUSG0ENSMUSGC	572.8625	-0.03337	0.099947	-0.33386	0.738484	0.940125	Exosc3
ENSMUSG0ENSMUSGC	537.3391	-0.11829	0.140927	-0.83939	0.401249	0.79975	Tmod1
ENSMUSG0ENSMUSGC	229.787	-0.07524	0.125921	-0.59752	0.550162	0.879141	Xpa
ENSMUSG0ENSMUSGC	3638.489	-0.01311	0.069622	-0.18827	0.850666	0.969606	Ncbp1
ENSMUSG0ENSMUSGC	257.6673	-0.01893	0.110756	-0.17095	0.864261	0.973828	Trmo
ENSMUSG0ENSMUSGC	6880.028	0.099623	0.080932	1.230937	0.218346	0.668792	Anp32b
ENSMUSG0ENSMUSGC	3967.479	0.114731	0.087318	1.313937	0.188868	0.636293	Nans
ENSMUSG0ENSMUSGC	420.0147	-0.60719	0.124563	-4.87453	1.09E-06	0.000298	Coro2a
ENSMUSG0ENSMUSGC	145.5559	-0.02128	0.141727	-0.15016	0.880635	0.97663	Nr4a3
ENSMUSG0ENSMUSGC	3579.134	0.0446	0.118221	0.377263	0.705978	0.934791	Erp44
ENSMUSG0ENSMUSGC	723.1251	-0.06083	0.065099	-0.93434	0.350126	0.77162	Invs
ENSMUSG0ENSMUSGC	975.3802	0.009528	0.084884	0.112245	0.910629	0.983347	Tex10
ENSMUSG0ENSMUSGC	113.8621	0.028845	0.142931	0.201812	0.840063	0.966279	Tmeff1
ENSMUSG0ENSMUSGC	485.242	-0.11098	0.098087	-1.13143	0.257875	0.702822	Brinp1
ENSMUSG0ENSMUSGC	1013.51	-0.01301	0.117675	-0.11056	0.911964	0.983954	Fmn2
ENSMUSG0ENSMUSGC	58.27765	-0.09685	0.144929	-0.66828	0.503957	0.856503	Ambp
ENSMUSG0ENSMUSGC	5720.59	0.073599	0.14394	0.511314	0.609131	0.903796	Kif12
ENSMUSG0ENSMUSGC	5761.69	0.150978	0.093429	1.615973	0.1061	0.505251	Txn1
ENSMUSG0ENSMUSGC	72.91472	-0.38924	0.145965	-2.66666	0.007661	0.132306	Pappa
ENSMUSG0ENSMUSGC	341.224	0.476083	0.102903	4.626504	3.72E-06	0.000789	Ptgr1
ENSMUSG0ENSMUSGC	1543.695	0.016245	0.090136	0.180226	0.856975	0.971767	Ugcg
ENSMUSG0ENSMUSGC	6270.931	-0.19942	0.107365	-1.85738	0.063257	0.404949	Ptbp3
ENSMUSG0ENSMUSGC	934.9329	-0.06444	0.067181	-0.95927	0.337424	0.760159	Hsdl2
ENSMUSG0ENSMUSGC	2392.272	0.215657	0.123415	1.747418	0.080565	0.448526	Snx30
ENSMUSG0ENSMUSGC	359.3785	-0.0162	0.114795	-0.14115	0.887751	0.978595	Zfp37
ENSMUSG0ENSMUSGC	664.0243	-0.05896	0.085727	-0.68773	0.491622	0.852803	Wdr31
ENSMUSG0ENSMUSGC	284.3178	0.022612	0.132508	0.170643	0.864505	0.973828	Bspry
ENSMUSG0ENSMUSGC	1075.492	0.06265	0.116496	0.537789	0.590723	0.895697	Alad
ENSMUSG0ENSMUSGC	1693.401	0.277808	0.073788	3.764953	0.000167	0.011597	Pole3
ENSMUSG0ENSMUSGC	916.8446	-0.1497	0.106127	-1.41053	0.158383	0.59683	Kdm4c
ENSMUSG0ENSMUSGC	1066.037	0.018659	0.123507	0.151076	0.879916	0.97663	Dmac1
ENSMUSG0ENSMUSGC	1180.551	0.183754	0.124207	1.479418	0.139029	0.567482	Ptprd
ENSMUSG0ENSMUSGC	1319.814	0.03091	0.112957	0.27364	0.784361	0.953021	Mpdz
ENSMUSG0ENSMUSGC	864.7245	-0.01622	0.086883	-0.18665	0.851934	0.9698	Zdhhc21

ENSMUSG0ENSMUSG0	1956.309	0.216893	0.070145	3.092074	0.001988	0.056771	Aco1
ENSMUSG0ENSMUSG0	172.286	0.081333	0.122832	0.662148	0.507876	0.858898	Smim27
ENSMUSG0ENSMUSG0	2801.539	0.008188	0.069059	0.118569	0.905617	0.982338	Smu1
ENSMUSG0ENSMUSG0	9278.836	0.102328	0.063672	1.607098	0.108033	0.510418	Dnaja1
ENSMUSG0ENSMUSG0	531.5441	0.045533	0.126437	0.360125	0.718754	0.936138	Aptx
ENSMUSG0ENSMUSG0	3501.573	-0.09733	0.070916	-1.37243	0.16993	0.611308	Slc44a1
ENSMUSG0ENSMUSG0	828.494	-0.0127	0.091483	-0.1388	0.889606	0.978618	B4galt1
ENSMUSG0ENSMUSG0	1599.303	-0.17266	0.092829	-1.86	0.062885	0.404145	Fktn
ENSMUSG0ENSMUSG0	3884.016	0.138173	0.105192	1.313527	0.189005	0.63642	Bag1
ENSMUSG0ENSMUSG0	3354.562	-0.04136	0.068697	-0.60207	0.547126	0.876712	Chmp5
ENSMUSG0ENSMUSG0	347.4751	-0.11941	0.114779	-1.04037	0.29817	0.73658	Tmem38b
ENSMUSG0ENSMUSG0	3545.132	-0.00202	0.06503	-0.03109	0.975199	0.996035	Nfx1
ENSMUSG0ENSMUSG0	6633.081	0.08498	0.084861	1.001397	0.316635	0.749506	Rad23b
ENSMUSG0ENSMUSG0	1816.358	0.154226	0.105	1.46882	0.141882	0.571761	Nol6
ENSMUSG0ENSMUSG0	1930.51	0.115679	0.102875	1.124462	0.260817	0.704312	Ikbkap
ENSMUSG0ENSMUSG0	3768.947	0.035049	0.086385	0.405728	0.684943	0.931173	Ubp2
ENSMUSG0ENSMUSG0	2908.705	-0.22157	0.051517	-4.30087	1.70E-05	0.002166	Epb41l4b
ENSMUSG0ENSMUSG0	1787.405	0.044897	0.060194	0.745863	0.45575	0.829671	Dcaf12
ENSMUSG0ENSMUSG0	1982.124	0.173949	0.0923	1.884594	0.059485	0.392822	Ubp1
ENSMUSG0ENSMUSG0	834.5062	0.192185	0.120593	1.59367	0.11101	0.515233	Kif24
ENSMUSG0ENSMUSG0	4528.397	0.154052	0.089473	1.721765	0.085112	0.45986	Fam219a
ENSMUSG0ENSMUSG0	432.9346	-0.0351	0.10015	-0.35044	0.726007	0.938271	Nudt2
ENSMUSG0ENSMUSG0	5622.938	0.26126	0.072904	3.58364	0.000339	0.018563	Cntfr
ENSMUSG0ENSMUSG0	2918.495	-0.01505	0.100835	-0.14924	0.881368	0.97678	Enho
ENSMUSG0ENSMUSG0	3230.698	-0.01948	0.096015	-0.2029	0.839211	0.96588	Dctn3
ENSMUSG0ENSMUSG0	19725.71	0.185265	0.072326	2.561523	0.010421	0.157405	Vcp
ENSMUSG0ENSMUSG0	792.9269	0.154806	0.079172	1.955313	0.050546	0.363344	Fancg
ENSMUSG0ENSMUSG0	1443.75	-0.05136	0.081151	-0.63292	0.526788	0.868304	Pigo
ENSMUSG0ENSMUSG0	1952.528	0.035937	0.070733	0.508069	0.611405	0.904554	Stoml2
ENSMUSG0ENSMUSG0	1250.014	0.040386	0.114697	0.352106	0.724759	0.938024	Unc13b
ENSMUSG0ENSMUSG0	1954.651	-0.0561	0.07212	-0.77783	0.436668	0.819028	Tesk1
ENSMUSG0ENSMUSG0	498.5837	-0.12673	0.117349	-1.07991	0.280183	0.72136	Ccdc107
ENSMUSG0ENSMUSG0	3291.791	0.090269	0.066793	1.351463	0.176547	0.619699	Tln1
ENSMUSG0ENSMUSG0	2002.206	0.112553	0.070996	1.585337	0.11289	0.518563	Creb3
ENSMUSG0ENSMUSG0	1338.099	0.125303	0.059499	2.105957	0.035208	0.303239	Gba2
ENSMUSG0ENSMUSG0	1575.835	-0.22153	0.107073	-2.06899	0.038547	0.31938	Rgp1
ENSMUSG0ENSMUSG0	141.2371	-0.19272	0.14346	-1.34335	0.179158	0.623409	Npr2
ENSMUSG0ENSMUSG0	431.6526	-0.03699	0.123551	-0.29938	0.764646	0.947561	Hint2
ENSMUSG0ENSMUSG0	62.19235	0.023938	0.144598	0.165548	0.868513	0.974598	Reck
ENSMUSG0ENSMUSG0	7280.32	0.138244	0.103475	1.336019	0.181543	0.627538	Clta
ENSMUSG0ENSMUSG0	944.9508	0.188799	0.072544	2.602534	0.009254	0.147008	Gne
ENSMUSG0ENSMUSG0	293.3615	-0.08593	0.126599	-0.6788	0.497265	0.853814	Glipr2
ENSMUSG0ENSMUSG0	767.8146	0.140031	0.074294	1.884825	0.059453	0.392822	Snpc3
ENSMUSG0ENSMUSG0	6399.46	0.001599	0.078565	0.020352	0.983762	0.997439	Psip1
ENSMUSG0ENSMUSG0	1452.294	0.017329	0.108593	0.159576	0.873215	0.97593	Sh3gl2
ENSMUSG0ENSMUSG0	538.2771	-0.0035	0.140334	-0.02497	0.980075	0.996602	Plin2
ENSMUSG0ENSMUSG0	15017.26	0.138644	0.090322	1.53499	0.124786	0.539987	Rps6
ENSMUSG0ENSMUSG0	1213.622	-0.21954	0.093367	-2.3514	0.018703	0.21589	Mllt3
ENSMUSG0ENSMUSG0	70.97654	0.197631	0.142315	1.38869	0.164927	0.603971	Hacd4
ENSMUSG0ENSMUSG0	1804.018	0.066511	0.101628	0.654452	0.512821	0.861822	Usp24
ENSMUSG0ENSMUSG0	55.0278	0.327086	0.145916	2.241607	0.024987	0.252265	Plpp3
ENSMUSG0ENSMUSG0	45.33041	0.18305	0.143632	1.274431	0.202511	0.650197	Prkaa2

ENSMUSG0ENSMUSGC	451.912	-0.1198	0.089204	-1.34299	0.179276	0.623409	Slc35d1
ENSMUSG0ENSMUSGC	1097.057	0.059654	0.075849	0.786482	0.431585	0.816305	Mier1
ENSMUSG0ENSMUSGC	1185.605	0.108421	0.083501	1.298437	0.194137	0.639485	Sgip1
ENSMUSG0ENSMUSGC	3130.432	0.18311	0.096948	1.888748	0.058926	0.391852	Pde4b
ENSMUSG0ENSMUSGC	1148.209	-0.0172	0.069868	-0.24624	0.805495	0.958008	Ak4
ENSMUSG0ENSMUSGC	1914.871	0.120611	0.113389	1.06369	0.287469	0.727903	Dnajc6
ENSMUSG0ENSMUSGC	3880.104	0.052678	0.070878	0.743215	0.457352	0.831418	Jak1
ENSMUSG0ENSMUSGC	37.22089	0.235709	0.144633	1.629708	0.103163	0.499892	Cachd1
ENSMUSG0ENSMUSGC	1449.657	0.071492	0.091312	0.782944	0.43366	0.817251	St3gal3
ENSMUSG0ENSMUSGC	63.07357	0.237607	0.14591	1.628448	0.10343	0.499892	Artn
ENSMUSG0ENSMUSGC	544.2984	0.102786	0.094465	1.088089	0.276556	0.718088	Dph2
ENSMUSG0ENSMUSGC	334.7804	0.050129	0.118685	0.422373	0.672753	0.92689	Slc6a9
ENSMUSG0ENSMUSGC	2164.617	0.0311	0.102978	0.302012	0.762643	0.946679	Elavl4
ENSMUSG0ENSMUSGC	949.0746	0.069728	0.113664	0.613457	0.539574	0.873794	Itgb3bp
ENSMUSG0ENSMUSGC	455.0434	-0.11246	0.09232	-1.21813	0.223173	0.673247	Atg4c
ENSMUSG0ENSMUSGC	13124.95	-0.02745	0.118226	-0.23222	0.81637	0.959755	Cdkn2c
ENSMUSG0ENSMUSGC	1917.33	0.066634	0.07837	0.850255	0.395183	0.796836	Eps15
ENSMUSG0ENSMUSGC	1832.741	0.071907	0.089443	0.803946	0.421428	0.812025	Ttc39a
ENSMUSG0ENSMUSGC	1460.161	-0.03381	0.081374	-0.41553	0.677757	0.92833	Dock7
ENSMUSG0ENSMUSGC	3967.894	0.085766	0.088916	0.964573	0.334759	0.759008	Rnf11
ENSMUSG0ENSMUSGC	2065.949	-0.02883	0.086047	-0.33509	0.737555	0.939837	Osbpl9
ENSMUSG0ENSMUSGC	3393.188	0.009346	0.08942	0.104515	0.916761	0.984548	Usp1
ENSMUSG0ENSMUSGC	1423.254	-0.02028	0.083349	-0.24336	0.807728	0.958353	Tm2d1
ENSMUSG0ENSMUSGC	273.0443	-0.22127	0.09815	-2.25441	0.02417	0.248527	Nfia
ENSMUSG0ENSMUSGC	2368.104	0.054325	0.073798	0.736129	0.461652	0.833916	Txndc12
ENSMUSG0ENSMUSGC	3628.943	0.050055	0.062075	0.806374	0.420027	0.81145	Btf3l4
ENSMUSG0ENSMUSGC	3990.491	-0.02821	0.122071	-0.23107	0.817263	0.959822	Hook1
ENSMUSG0ENSMUSGC	197.5773	0.078899	0.128327	0.61483	0.538667	0.873794	Fggy
ENSMUSG0ENSMUSGC	1119.806	0.140105	0.081486	1.719366	0.085548	0.461221	Ift74
ENSMUSG0ENSMUSGC	2856.472	0.194425	0.07354	2.643802	0.008198	0.138245	Plaa
ENSMUSG0ENSMUSGC	374.4725	-0.03185	0.094135	-0.33832	0.735122	0.938791	Caap1
ENSMUSG0ENSMUSGC	1140.266	-0.01288	0.096484	-0.13348	0.893814	0.979634	Pum1
ENSMUSG0ENSMUSGC	2211.057	-0.0716	0.077361	-0.92547	0.35472	0.774327	Cc2d1b
ENSMUSG0ENSMUSGC	296.9602	0.212525	0.095385	2.228069	0.025876	0.257497	Orc1
ENSMUSG0ENSMUSGC	37.78345	-0.0695	0.145879	-0.47644	0.633758	0.91238	Podn
ENSMUSG0ENSMUSGC	949.728	0.058402	0.113703	0.513637	0.607505	0.903686	Echdc2
ENSMUSG0ENSMUSGC	4462.356	-0.02042	0.078881	-0.25892	0.795699	0.955463	Scp2
ENSMUSG0ENSMUSGC	1180.587	-0.01009	0.09279	-0.10871	0.913435	0.983954	Cpt2
ENSMUSG0ENSMUSGC	947.405	0.010759	0.119086	0.090344	0.928014	0.985705	O610037L1
ENSMUSG0ENSMUSGC	1595.056	0.117185	0.098007	1.195677	0.231822	0.681648	Magoh
ENSMUSG0ENSMUSGC	3349.714	0.110833	0.1202	0.922069	0.356493	0.774962	Lrp8
ENSMUSG0ENSMUSGC	2290.519	0.208004	0.075493	2.755275	0.005864	0.114003	Ndc1
ENSMUSG0ENSMUSGC	2007.379	0.26052	0.09594	2.715454	0.006619	0.122433	Lrrc42
ENSMUSG0ENSMUSGC	10975.3	-0.00547	0.064227	-0.08521	0.932098	0.986608	Tmem59
ENSMUSG0ENSMUSGC	476.9324	0.060449	0.125584	0.481346	0.63027	0.911457	Tceanc2
ENSMUSG0ENSMUSGC	329.9043	-0.09226	0.129114	-0.71453	0.474898	0.842296	Cyb5rl
ENSMUSG0ENSMUSGC	1859.09	0.09045	0.076204	1.186953	0.235246	0.683595	Mrpl37
ENSMUSG0ENSMUSGC	466.8795	0.129123	0.102834	1.255646	0.209244	0.658083	Exo5
ENSMUSG0ENSMUSGC	260.9322	-0.08568	0.139384	-0.61472	0.538741	0.873794	Dyrk2
ENSMUSG0ENSMUSGC	1001.514	0.070007	0.133101	0.525968	0.598911	0.898778	Kcnq4
ENSMUSG0ENSMUSGC	2995.492	0.099064	0.05326	1.859983	0.062888	0.404145	Ctps
ENSMUSG0ENSMUSGC	548.4583	0.134615	0.135979	0.989965	0.322191	0.751983	Hivep3

ENSMUSG0ENSMUSG0	426.4826	0.063561	0.128422	0.494937	0.620645	0.907795	Ppcs
ENSMUSG0ENSMUSG0	777.7091	-0.00772	0.11305	-0.06825	0.945587	0.989708	Ccdc30
ENSMUSG0ENSMUSG0	15915.37	0.198522	0.056283	3.527209	0.00042	0.021426	Ybx1
ENSMUSG0ENSMUSG0	997.1435	0.275954	0.132379	2.084582	0.037107	0.312443	P3h1
ENSMUSG0ENSMUSG0	141.6699	0.180364	0.144129	1.25141	0.210785	0.659748	Svbp
ENSMUSG0ENSMUSG0	3151.705	-0.02426	0.122605	-0.19788	0.843136	0.967249	Slc2a1
ENSMUSG0ENSMUSG0	2928.677	0.049232	0.122191	0.40291	0.687014	0.931173	Rragc
ENSMUSG0ENSMUSG0	645.2368	0.122615	0.121197	1.011698	0.311682	0.745302	Mycbp
ENSMUSG0ENSMUSG0	2514.055	0.078093	0.109818	0.711114	0.477014	0.843045	Ndufs5
ENSMUSG0ENSMUSG0	3108.199	-0.09233	0.071599	-1.28961	0.197186	0.643975	Macf1
ENSMUSG0ENSMUSG0	273.1602	0.076472	0.142662	0.536038	0.591932	0.895697	Ppie
ENSMUSG0ENSMUSG0	346.5537	0.194706	0.099584	1.955206	0.050559	0.363344	Trit1
ENSMUSG0ENSMUSG0	64.11255	-0.15723	0.145768	-1.07861	0.28076	0.721619	Mfsd2a
ENSMUSG0ENSMUSG0	5158.233	0.056286	0.060001	0.938081	0.348203	0.770174	Cap1
ENSMUSG0ENSMUSG0	3113.454	0.101569	0.06017	1.688036	0.091404	0.474778	Ppt1
ENSMUSG0ENSMUSG0	216.1582	0.042598	0.131212	0.324651	0.745445	0.941322	Epha8
ENSMUSG0ENSMUSG0	242.8584	0.14022	0.117149	1.196941	0.23133	0.68123	Ephb2
ENSMUSG0ENSMUSG0	2103.776	0.017095	0.054669	0.312698	0.75451	0.944073	Eloa
ENSMUSG0ENSMUSG0	3202.774	0.163017	0.095117	1.713861	0.086554	0.463716	Pithd1
ENSMUSG0ENSMUSG0	3585.185	-0.19483	0.081576	-2.38837	0.016923	0.203528	Lypla2
ENSMUSG0ENSMUSG0	2839.502	0.132538	0.085836	1.544081	0.122569	0.5355	Gale
ENSMUSG0ENSMUSG0	925.2403	0.25772	0.085864	3.001512	0.002686	0.070549	Hmgcl
ENSMUSG0ENSMUSG0	2595.429	-0.00165	0.087622	-0.01888	0.984936	0.997439	Fuca1
ENSMUSG0ENSMUSG0	2919.752	-0.058	0.107325	-0.5404	0.588919	0.894745	Pnrc2
ENSMUSG0ENSMUSG0	5277.417	0.112035	0.100882	1.110552	0.266761	0.709753	Srsf10
ENSMUSG0ENSMUSG0	1890.329	-0.02684	0.09151	-0.29327	0.769318	0.949297	Rnf220
ENSMUSG0ENSMUSG0	1545.543	-0.0369	0.086592	-0.42619	0.669967	0.925403	Kif2c
ENSMUSG0ENSMUSG0	3365.402	-0.14104	0.107136	-1.31644	0.188025	0.635585	Plk3
ENSMUSG0ENSMUSG0	212.5248	-0.02672	0.121236	-0.22041	0.825555	0.962521	Ptch2
ENSMUSG0ENSMUSG0	690.7364	0.025725	0.119175	0.215857	0.829099	0.963218	Eif2b3
ENSMUSG0ENSMUSG0	1720.334	0.011304	0.073669	0.153436	0.878054	0.976224	Urod
ENSMUSG0ENSMUSG0	269.2274	0.095689	0.107305	0.891743	0.37253	0.786598	Mutyh
ENSMUSG0ENSMUSG0	1004.884	-0.02908	0.074553	-0.39002	0.696519	0.933418	Toe1
ENSMUSG0ENSMUSG0	326.1987	-0.02524	0.121057	-0.20849	0.834843	0.964682	Ccdc163
ENSMUSG0ENSMUSG0	726.0762	0.063546	0.077485	0.820112	0.412152	0.805445	Mmachc
ENSMUSG0ENSMUSG0	12815.46	0.071473	0.067563	1.057872	0.290114	0.7298	Prdx1
ENSMUSG0ENSMUSG0	15045.48	0.07621	0.085795	0.888275	0.374393	0.787458	Akr1a1
ENSMUSG0ENSMUSG0	5013.013	0.23293	0.068821	3.384576	0.000713	0.029872	Nasp
ENSMUSG0ENSMUSG0	661.4768	0.115848	0.101167	1.145122	0.252159	0.698196	Ipp
ENSMUSG0ENSMUSG0	1488.679	-0.07584	0.100257	-0.75644	0.449387	0.825288	Pik3r3
ENSMUSG0ENSMUSG0	193.5963	-0.27015	0.144494	-1.8696	0.061539	0.399125	Tspan1
ENSMUSG0ENSMUSG0	2533.008	-0.32011	0.071979	-4.44728	8.70E-06	0.001436	Pomgnt1
ENSMUSG0ENSMUSG0	221.806	0.187496	0.133057	1.409136	0.158795	0.59683	Lurap1
ENSMUSG0ENSMUSG0	973.3261	0.13418	0.09097	1.474985	0.140216	0.570713	Rad54l
ENSMUSG0ENSMUSG0	2315.741	-0.10603	0.064103	-1.65412	0.098103	0.48949	Lrrc41
ENSMUSG0ENSMUSG0	483.1343	0.020155	0.092246	0.218487	0.82705	0.962625	Nsun4
ENSMUSG0ENSMUSG0	839.9374	-0.06584	0.096372	-0.68321	0.494472	0.853074	Dmbx1
ENSMUSG0ENSMUSG0	906.0218	-0.07371	0.091512	-0.80552	0.420522	0.811596	Mknk1
ENSMUSG0ENSMUSG0	356.9635	-0.22662	0.105192	-2.15434	0.031214	0.283485	Mob3c
ENSMUSG0ENSMUSG0	920.0438	0.142977	0.104371	1.369896	0.170719	0.612136	Atpaf1
ENSMUSG0ENSMUSG0	256.8178	-0.10901	0.130602	-0.83466	0.40391	0.800157	Pdzk1ip1
ENSMUSG0ENSMUSG0	1268.612	-0.0768	0.119972	-0.64011	0.522099	0.86662	Stil

ENSMUSG0ENSMUSG0	4624.138	-0.05837	0.081295	-0.71795	0.472791	0.841589	Cmpk1
ENSMUSG0ENSMUSG0	1764.109	0.054579	0.071711	0.761103	0.446595	0.824037	Ebna1bp2
ENSMUSG0ENSMUSG0	890.3248	0.014836	0.088116	0.168373	0.86629	0.974432	Aldh4a1
ENSMUSG0ENSMUSG0	1137.53	0.133207	0.091188	1.460788	0.144074	0.573946	Mrto4
ENSMUSG0ENSMUSG0	811.4316	-0.013	0.103464	-0.12569	0.899976	0.981243	Akr7a5
ENSMUSG0ENSMUSG0	532.1754	0.097164	0.091576	1.061023	0.288679	0.728621	Pqlc2
ENSMUSG0ENSMUSG0	6423.425	0.303889	0.091585	3.318108	0.000906	0.035013	Capzb
ENSMUSG0ENSMUSG0	37.28022	0.009139	0.110738	0.082524	0.93423	0.986608	Pla2g2f
ENSMUSG0ENSMUSG0	261.3696	-0.3269	0.092993	-3.51535	0.000439	0.022153	Vwa5b1
ENSMUSG0ENSMUSG0	290.6917	-0.01657	0.145213	-0.11408	0.909173	0.983077	Cda
ENSMUSG0ENSMUSG0	936.052	-0.23694	0.100824	-2.35004	0.018771	0.216061	Pink1
ENSMUSG0ENSMUSG0	19080.82	0.112476	0.070496	1.595483	0.110604	0.514156	Ddost
ENSMUSG0ENSMUSG0	72.11731	-0.06723	0.1292	-0.52035	0.602822	0.900216	Kif17
ENSMUSG0ENSMUSG0	5823.867	-0.03303	0.070552	-0.4682	0.63964	0.913957	Hp1bp3
ENSMUSG0ENSMUSG0	4796.974	0.03969	0.079921	0.496614	0.619461	0.907335	Eif4g3
ENSMUSG0ENSMUSG0	81.34197	0.083139	0.135233	0.614787	0.538696	0.873794	Alpl
ENSMUSG0ENSMUSG0	445.5828	-0.0893	0.107509	-0.83065	0.406172	0.801957	Ptpn12
ENSMUSG0ENSMUSG0	777.511	0.058012	0.082355	0.70441	0.481178	0.846451	Zcchc17
ENSMUSG0ENSMUSG0	1684.083	-0.02354	0.083957	-0.28035	0.779207	0.951375	Pef1
ENSMUSG0ENSMUSG0	369.6521	-0.15653	0.117569	-1.33141	0.183054	0.629886	Sema3c
ENSMUSG0ENSMUSG0	1562.642	0.084638	0.132875	0.636977	0.52414	0.867549	Hpca
ENSMUSG0ENSMUSG0	4800.086	0.000998	0.091466	0.010912	0.991293	0.998539	Ptp4a2
ENSMUSG0ENSMUSG0	206.541	-0.30236	0.134478	-2.24843	0.024549	0.249921	Azin2
ENSMUSG0ENSMUSG0	4526.209	0.011529	0.065364	0.176388	0.859989	0.972503	Khdrbs1
ENSMUSG0ENSMUSG0	2606.866	0.201814	0.07093	2.84524	0.004438	0.097726	Ak2
ENSMUSG0ENSMUSG0	1817.321	0.096196	0.09651	0.996746	0.318888	0.75032	Rnf19b
ENSMUSG0ENSMUSG0	447.2179	0.216065	0.139552	1.548281	0.121555	0.534218	Ccdc28b
ENSMUSG0ENSMUSG0	3494.209	-0.13736	0.069087	-1.98818	0.046792	0.348768	Phc2
ENSMUSG0ENSMUSG0	3858.306	-0.20891	0.07998	-2.61205	0.009	0.144251	Tmem234
ENSMUSG0ENSMUSG0	4351.899	0.146357	0.076922	1.902679	0.057082	0.385445	Eif3i
ENSMUSG0ENSMUSG0	697.1674	-0.1245	0.089128	-1.39684	0.162461	0.601189	Zfp362
ENSMUSG0ENSMUSG0	4572.628	0.026025	0.07632	0.341003	0.733102	0.938791	Hdac1
ENSMUSG0ENSMUSG0	3632.294	0.033201	0.107029	0.31021	0.756401	0.944671	Nipal3
ENSMUSG0ENSMUSG0	843.5216	-0.30462	0.090933	-3.34993	0.000808	0.032349	Csmd2
ENSMUSG0ENSMUSG0	443.2178	-0.02052	0.100202	-0.20474	0.837775	0.965548	Zbtb8a
ENSMUSG0ENSMUSG0	4656.851	0.105947	0.095722	1.106811	0.268375	0.711835	Srrm1
ENSMUSG0ENSMUSG0	4083.419	0.018675	0.123629	0.151059	0.879929	0.97663	Yars
ENSMUSG0ENSMUSG0	7868.772	-0.01625	0.066801	-0.24323	0.807824	0.958353	Sfpq
ENSMUSG0ENSMUSG0	1378.166	-0.03977	0.094918	-0.419	0.675219	0.927604	Syf2
ENSMUSG0ENSMUSG0	2574.491	0.214812	0.087654	2.450674	0.014259	0.186314	Tmem50a
ENSMUSG0ENSMUSG0	503.0887	0.358439	0.135352	2.648188	0.008092	0.137623	Rhd
ENSMUSG0ENSMUSG0	3341.996	0.022727	0.060693	0.374449	0.70807	0.934791	Tmem57
ENSMUSG0ENSMUSG0	3121.374	-0.37839	0.068078	-5.55816	2.73E-08	1.92E-05	AU040320
ENSMUSG0ENSMUSG0	19850.6	-0.01657	0.095888	-0.17281	0.862804	0.973258	Stmn1
ENSMUSG0ENSMUSG0	3430.458	0.119455	0.10231	1.167581	0.242976	0.689997	Ncdn
ENSMUSG0ENSMUSG0	3643.403	0.099569	0.103813	0.959116	0.3375	0.760159	Psmb2
ENSMUSG0ENSMUSG0	42.13016	0.180983	0.145403	1.244698	0.213243	0.662733	Extl1
ENSMUSG0ENSMUSG0	279.9433	-0.00953	0.116486	-0.08185	0.934769	0.986608	Zfp593
ENSMUSG0ENSMUSG0	1577.772	0.133729	0.120404	1.110671	0.26671	0.709753	Ago3
ENSMUSG0ENSMUSG0	1911.266	0.144713	0.116832	1.238636	0.21548	0.666588	Sh3bgrl3
ENSMUSG0ENSMUSG0	2080.976	0.004012	0.077521	0.051749	0.958728	0.993224	Trappc3
ENSMUSG0ENSMUSG0	535.8099	-0.04126	0.106559	-0.38725	0.698574	0.933691	Gpn2

ENSMUSG0ENSMUSG0	2992.267	0.181054	0.094278	1.920432	0.054803	0.378757	Map7d1
ENSMUSG0ENSMUSG0	188.6423	0.237275	0.128751	1.842903	0.065343	0.411807	Gpatch3
ENSMUSG0ENSMUSG0	6490.042	0.158668	0.083985	1.889238	0.05886	0.391823	Nudc
ENSMUSG0ENSMUSG0	1903.845	-0.02231	0.078896	-0.28277	0.777354	0.950382	Slc9a1
ENSMUSG0ENSMUSG0	1584.576	-0.01936	0.084045	-0.23031	0.81785	0.959879	Tmem222
ENSMUSG0ENSMUSG0	42.84187	-0.05909	0.145387	-0.40644	0.684418	0.931067	Syt11
ENSMUSG0ENSMUSG0	1206.889	0.091385	0.112108	0.815155	0.414984	0.807961	Mrps15
ENSMUSG0ENSMUSG0	43.6567	0.019558	0.145998	0.133962	0.893432	0.979617	Map3k6
ENSMUSG0ENSMUSG0	2117.335	0.074393	0.090138	0.825322	0.409189	0.803007	Meaf6
ENSMUSG0ENSMUSG0	760.559	0.112438	0.08957	1.255301	0.209369	0.65812	Cd164l2
ENSMUSG0ENSMUSG0	1430.655	0.071014	0.072603	0.978111	0.328019	0.754804	Wasf2
ENSMUSG0ENSMUSG0	2557.976	0.077231	0.092273	0.836986	0.402601	0.799981	Gnl2
ENSMUSG0ENSMUSG0	258.0625	-0.14323	0.128883	-1.11133	0.266426	0.709554	Rspo1
ENSMUSG0ENSMUSG0	3022.639	0.056987	0.072275	0.788476	0.430418	0.816119	Cdca8
ENSMUSG0ENSMUSG0	1148.415	-0.17183	0.079225	-2.16887	0.030092	0.277986	Fam76a
ENSMUSG0ENSMUSG0	4017.596	0.077765	0.076645	1.014611	0.310291	0.744597	Stx12
ENSMUSG0ENSMUSG0	2312.338	0.097127	0.061511	1.579031	0.114329	0.521581	Ppp1r8
ENSMUSG0ENSMUSG0	360.7714	0.045865	0.133826	0.342725	0.731805	0.938791	Sema3a
ENSMUSG0ENSMUSG0	2358.352	0.227855	0.070989	3.209715	0.001329	0.04353	Rpa2
ENSMUSG0ENSMUSG0	1636.021	0.191337	0.081581	2.345349	0.019009	0.217114	Eya3
ENSMUSG0ENSMUSG0	1773.138	0.202107	0.09909	2.039624	0.041388	0.330484	Yrdc
ENSMUSG0ENSMUSG0	900.7771	0.010825	0.103375	0.104716	0.916601	0.984548	Mtf1
ENSMUSG0ENSMUSG0	1797.656	0.024026	0.119115	0.201705	0.840147	0.966292	Sesn2
ENSMUSG0ENSMUSG0	1282.622	-0.02956	0.106145	-0.27846	0.780656	0.95154	Inpp5b
ENSMUSG0ENSMUSG0	1065.684	-0.07962	0.066445	-1.19833	0.230789	0.68059	Rcc1
ENSMUSG0ENSMUSG0	904.0586	-0.03727	0.108426	-0.34375	0.731038	0.938791	Trnau1ap
ENSMUSG0ENSMUSG0	805.4795	-0.02908	0.091142	-0.31906	0.74968	0.942352	Taf12
ENSMUSG0ENSMUSG0	782.7097	0.023507	0.097153	0.241963	0.808809	0.958353	Gmeb1
ENSMUSG0ENSMUSG0	2055.53	0.135319	0.059889	2.259471	0.023854	0.246412	Sf3a3
ENSMUSG0ENSMUSG0	3137.31	-0.10506	0.122955	-0.85447	0.392844	0.795486	Epb41
ENSMUSG0ENSMUSG0	737.6509	0.059286	0.081991	0.723077	0.469632	0.839782	Utp11
ENSMUSG0ENSMUSG0	2344.877	0.027308	0.09985	0.273491	0.784476	0.953021	Ptpru
ENSMUSG0ENSMUSG0	739.1262	0.118672	0.105924	1.120347	0.262566	0.705745	Mecr
ENSMUSG0ENSMUSG0	3956.003	0.035288	0.063395	0.556638	0.577775	0.891712	Srsf4
ENSMUSG0ENSMUSG0	667.3281	-0.19833	0.089365	-2.21932	0.026465	0.259612	Casp9
ENSMUSG0ENSMUSG0	973.0372	0.069371	0.070623	0.982278	0.325963	0.754354	Plekhm2
ENSMUSG0ENSMUSG0	1921.586	0.099676	0.077489	1.28632	0.198331	0.645235	Arhgef19
ENSMUSG0ENSMUSG0	1449.35	0.060304	0.068687	0.877951	0.37997	0.790146	Fbxo42
ENSMUSG0ENSMUSG0	577.3561	0.078751	0.074019	1.063924	0.287363	0.727903	Necap2
ENSMUSG0ENSMUSG0	1259.056	-0.13837	0.135402	-1.0219	0.306826	0.743081	Cdk14
ENSMUSG0ENSMUSG0	803.7587	-0.01921	0.13861	-0.1386	0.889769	0.978618	Kcnab2
ENSMUSG0ENSMUSG0	5731.365	0.192141	0.080318	2.392273	0.016744	0.202738	Psmc2
ENSMUSG0ENSMUSG0	831.3798	-0.03779	0.080818	-0.46763	0.640046	0.914081	Xrcc2
ENSMUSG0ENSMUSG0	4837.781	0.168216	0.10752	1.564517	0.117696	0.527404	Rpl22
ENSMUSG0ENSMUSG0	92.23162	0.04395	0.140271	0.313321	0.754037	0.943986	Acot7
ENSMUSG0ENSMUSG0	65.17683	-0.10866	0.142964	-0.76007	0.447212	0.824037	Espn
ENSMUSG0ENSMUSG0	2479.868	0.104695	0.139276	0.751707	0.452227	0.827254	Prkag2
ENSMUSG0ENSMUSG0	3400.4	0.025369	0.076587	0.331244	0.74046	0.940232	Rheb
ENSMUSG0ENSMUSG0	1128.497	0.036927	0.063043	0.585735	0.558053	0.882863	Nol9
ENSMUSG0ENSMUSG0	187.7831	-0.00253	0.116743	-0.02171	0.982677	0.99741	Smarcd3
ENSMUSG0ENSMUSG0	555.2516	0.009661	0.115901	0.083357	0.933567	0.986608	Zbtb48
ENSMUSG0ENSMUSG0	2754.756	0.049202	0.080759	0.609243	0.542363	0.875153	Abcf2

ENSMUSG0ENSMUSG0	2495.599	-0.02083	0.058314	-0.35723	0.720917	0.936855	Nub1
ENSMUSG0ENSMUSG0	4283.557	0.179871	0.090275	1.992469	0.04632	0.346671	Vamp3
ENSMUSG0ENSMUSG0	574.4469	-0.16307	0.097609	-1.67064	0.094793	0.48418	Per3
ENSMUSG0ENSMUSG0	581.9	0.250275	0.106581	2.348226	0.018863	0.216061	Tmub1
ENSMUSG0ENSMUSG0	3163.471	0.151541	0.084177	1.800262	0.071819	0.428248	Fastk
ENSMUSG0ENSMUSG0	4357.429	0.189913	0.063638	2.984265	0.002843	0.073212	Ube4b
ENSMUSG0ENSMUSG0	1586.964	0.111024	0.113701	0.976458	0.328837	0.755405	Pgd
ENSMUSG0ENSMUSG0	2991.794	0.056805	0.089766	0.632811	0.526857	0.868304	Slc4a2
ENSMUSG0ENSMUSG0	6385.615	0.142622	0.123512	1.154721	0.248205	0.695618	Park7
ENSMUSG0ENSMUSG0	598.8557	0.07601	0.135528	0.560844	0.574904	0.890536	Tnfrsf9
ENSMUSG0ENSMUSG0	2624.311	0.126197	0.083088	1.518833	0.128805	0.547624	Errfi1
ENSMUSG0ENSMUSG0	1755.337	-0.00052	0.085986	-0.00604	0.995184	0.998655	Cdk5
ENSMUSG0ENSMUSG0	168.7607	-0.05112	0.119227	-0.42875	0.668102	0.925067	Abcb1b
ENSMUSG0ENSMUSG0	1443.142	0.092159	0.123378	0.746961	0.455087	0.829558	Abcb8
ENSMUSG0ENSMUSG0	323.9484	-0.19654	0.106958	-1.83757	0.066125	0.413684	Dffa
ENSMUSG0ENSMUSG0	566.2837	0.055173	0.087464	0.63081	0.528165	0.869134	Pex14
ENSMUSG0ENSMUSG0	11400.43	-0.01079	0.130394	-0.08273	0.934063	0.986608	Slc2a5
ENSMUSG0ENSMUSG0	1598.046	-0.13254	0.104926	-1.26321	0.206513	0.653899	Casz1
ENSMUSG0ENSMUSG0	56.73711	0.026992	0.135078	0.199824	0.841619	0.966812	Nos3
ENSMUSG0ENSMUSG0	1108.468	-0.08213	0.079934	-1.02746	0.304203	0.739861	H6pd
ENSMUSG0ENSMUSG0	206.4004	-0.08053	0.135262	-0.59538	0.551589	0.880268	Slc25a33
ENSMUSG0ENSMUSG0	3312.207	-0.03837	0.095415	-0.4021	0.68761	0.931173	Klhl7
ENSMUSG0ENSMUSG0	4795.462	0.236315	0.095608	2.471708	0.013447	0.181094	Ctnnbip1
ENSMUSG0ENSMUSG0	373.4619	-0.02129	0.102906	-0.20687	0.836114	0.965089	Lzic
ENSMUSG0ENSMUSG0	953.6667	0.144115	0.112025	1.286452	0.198285	0.645235	Mtor
ENSMUSG0ENSMUSG0	260.124	-0.23181	0.125258	-1.85069	0.064215	0.408436	Nmnat1
ENSMUSG0ENSMUSG0	570.4638	0.212633	0.115731	1.83731	0.066164	0.413684	Fam126a
ENSMUSG0ENSMUSG0	1571.109	0.00969	0.114396	0.084703	0.932498	0.986608	Tomm7
ENSMUSG0ENSMUSG0	1220.42	0.140696	0.081077	1.73534	0.082681	0.454163	Rint1
ENSMUSG0ENSMUSG0	941.8678	0.186082	0.08522	2.183563	0.028994	0.273828	Fbxo44
ENSMUSG0ENSMUSG0	712.0741	0.010154	0.104892	0.096803	0.922883	0.985705	Mad2l2
ENSMUSG0ENSMUSG0	2236.592	-0.17565	0.123795	-1.41887	0.155937	0.594364	Kmt2e
ENSMUSG0ENSMUSG0	312.3559	-0.16726	0.119347	-1.40145	0.161078	0.600594	Agtrap
ENSMUSG0ENSMUSG0	575.771	0.029363	0.144539	0.203151	0.839017	0.96574	Mthfr
ENSMUSG0ENSMUSG0	1126.245	0.075254	0.073817	1.019465	0.307982	0.743099	Orc5
ENSMUSG0ENSMUSG0	1560.434	0.104636	0.096269	1.086911	0.277076	0.71903	Dnajc2
ENSMUSG0ENSMUSG0	770.9855	0.133523	0.114056	1.170677	0.241728	0.689436	Clcn6
ENSMUSG0ENSMUSG0	2508.169	0.137376	0.101391	1.35492	0.175443	0.617729	Pmpcb
ENSMUSG0ENSMUSG0	1512.055	0.209267	0.085043	2.460737	0.013865	0.183865	Mfn2
ENSMUSG0ENSMUSG0	343.558	-0.06785	0.087224	-0.77793	0.436611	0.819028	Miip
ENSMUSG0ENSMUSG0	168.718	-0.06866	0.109116	-0.62928	0.529166	0.869382	Trp73
ENSMUSG0ENSMUSG0	950.4711	0.178684	0.072586	2.461677	0.013829	0.183668	Dffb
ENSMUSG0ENSMUSG0	2273.522	-0.10755	0.065054	-1.65322	0.098286	0.490219	Lrrc47
ENSMUSG0ENSMUSG0	763.8618	0.04065	0.087961	0.462136	0.643984	0.91498	Wrap73
ENSMUSG0ENSMUSG0	2089.709	-0.04219	0.087962	-0.47962	0.631495	0.911457	Tprgl
ENSMUSG0ENSMUSG0	2099.725	-0.07718	0.069681	-1.10762	0.268028	0.711565	Arhgef16
ENSMUSG0ENSMUSG0	1862.839	-0.07715	0.075327	-1.02425	0.305715	0.741542	Acap3
ENSMUSG0ENSMUSG0	1738.84	-0.04265	0.078518	-0.54313	0.587043	0.894311	Ints11
ENSMUSG0ENSMUSG0	1160.853	0.167137	0.076625	2.181229	0.029166	0.273828	Atad3a
ENSMUSG0ENSMUSG0	1801.575	-0.0598	0.093995	-0.63622	0.52463	0.867774	Ssu72
ENSMUSG0ENSMUSG0	585.1752	0.212565	0.095651	2.222301	0.026263	0.258836	Pex10
ENSMUSG0ENSMUSG0	4420.757	0.156275	0.085969	1.81781	0.069093	0.421143	Rer1

ENSMUSG0ENSMUSGC	106.4222	-0.04038	0.141656	-0.28504	0.775617	0.950203	Morn1
ENSMUSG0ENSMUSGC	1622.354	-0.06123	0.062565	-0.9786	0.32778	0.754804	Ski
ENSMUSG0ENSMUSGC	771.8727	0.196938	0.098319	2.003037	0.045173	0.342308	Prkc2
ENSMUSG0ENSMUSGC	66.94044	-0.14728	0.141314	-1.04225	0.297298	0.735787	Gabrd
ENSMUSG0ENSMUSGC	957.7466	-0.02749	0.082793	-0.33206	0.739845	0.940232	Pank4
ENSMUSG0ENSMUSGC	317.7588	-0.12344	0.12254	-1.00734	0.313773	0.747209	Fam213b
ENSMUSG0ENSMUSGC	1252.25	0.083871	0.097125	0.863539	0.387841	0.793552	Mib2
ENSMUSG0ENSMUSGC	39.82134	-0.02369	0.145944	-0.1623	0.87107	0.975586	Mmp23
ENSMUSG0ENSMUSGC	3368.927	0.08941	0.053974	1.656554	0.09761	0.487958	Cdk11b
ENSMUSG0ENSMUSGC	2240.569	0.12344	0.05298	2.329935	0.01981	0.222458	Nadk
ENSMUSG0ENSMUSGC	13314.04	0.09775	0.07291	1.340685	0.180023	0.624219	Gnb1
ENSMUSG0ENSMUSGC	2363.499	0.101941	0.107915	0.944647	0.344839	0.766383	Mrpl20
ENSMUSG0ENSMUSGC	3115.742	-0.06524	0.083194	-0.7842	0.432922	0.817148	Ccnl2
ENSMUSG0ENSMUSGC	219.1917	0.22263	0.124558	1.787366	0.073878	0.432314	Mxra8
ENSMUSG0ENSMUSGC	2731.854	-0.02691	0.11086	-0.24274	0.808203	0.958353	Dvl1
ENSMUSG0ENSMUSGC	77.86607	-0.05994	0.133639	-0.44851	0.653784	0.919812	Tas1r3
ENSMUSG0ENSMUSGC	876.8512	0.158136	0.083314	1.898086	0.057685	0.387668	Cptp
ENSMUSG0ENSMUSGC	9221.978	-0.04036	0.089831	-0.44934	0.653188	0.919812	Sdf4
ENSMUSG0ENSMUSGC	9607.317	0.285627	0.144291	1.979522	0.047757	0.351856	Prom1
ENSMUSG0ENSMUSGC	129.5777	0.133216	0.126893	1.049835	0.293794	0.733714	Kcnp4
ENSMUSG0ENSMUSGC	247.006	-0.00464	0.109806	-0.04222	0.96632	0.994967	5730480H0
ENSMUSG0ENSMUSGC	630.1131	-0.13528	0.116479	-1.16139	0.245485	0.693666	Adgra3
ENSMUSG0ENSMUSGC	39.88026	0.162982	0.140916	1.15659	0.24744	0.695372	Sorcs2
ENSMUSG0ENSMUSGC	821.896	0.057834	0.132654	0.435974	0.662856	0.924638	Afap1
ENSMUSG0ENSMUSGC	248.7077	0.124909	0.087552	1.426678	0.153673	0.590101	Trmt44
ENSMUSG0ENSMUSGC	512.6418	-0.00457	0.081584	-0.056	0.955346	0.992624	Acox3
ENSMUSG0ENSMUSGC	667.8151	-0.00724	0.097446	-0.07434	0.940744	0.988134	Rgs12
ENSMUSG0ENSMUSGC	544.6958	0.06885	0.099197	0.694076	0.487635	0.850076	Hgfac
ENSMUSG0ENSMUSGC	4231.959	0.114096	0.116396	0.980238	0.326968	0.754362	Lrpap1
ENSMUSG0ENSMUSGC	1865.71	-0.17533	0.096981	-1.80786	0.070628	0.425044	Htt
ENSMUSG0ENSMUSGC	3542.129	0.012943	0.101442	0.127588	0.898475	0.981094	Add1
ENSMUSG0ENSMUSGC	936.7819	-0.16825	0.107728	-1.56182	0.11833	0.528824	Pcdh7
ENSMUSG0ENSMUSGC	3227.498	-0.04658	0.073917	-0.63018	0.528577	0.869382	Rnf4
ENSMUSG0ENSMUSGC	1115.202	-0.04136	0.068494	-0.6038	0.545978	0.876016	Nelfa
ENSMUSG0ENSMUSGC	3675.918	-0.19898	0.094204	-2.11224	0.034666	0.30127	Man2b2
ENSMUSG0ENSMUSGC	5998.463	0.055423	0.0809	0.685075	0.493297	0.852803	Ppp2r2c
ENSMUSG0ENSMUSGC	1862.675	0.176587	0.067198	2.627848	0.008593	0.140729	Crmp1
ENSMUSG0ENSMUSGC	1322.96	0.047063	0.060349	0.779847	0.435481	0.818141	Stx18
ENSMUSG0ENSMUSGC	1032.862	-0.09005	0.136335	-0.66048	0.508943	0.859295	Nsg1
ENSMUSG0ENSMUSGC	213.7754	-0.09605	0.102912	-0.93329	0.35067	0.772225	Zbtb49
ENSMUSG0ENSMUSGC	2191.817	0.051254	0.053222	0.963026	0.335534	0.759008	Rab28
ENSMUSG0ENSMUSGC	184.2561	-0.01563	0.104001	-0.15032	0.88051	0.97663	Rnf32
ENSMUSG0ENSMUSGC	3545.808	0.066086	0.060572	1.091037	0.275257	0.716915	Dnajb6
ENSMUSG0ENSMUSGC	1973.092	0.003528	0.101397	0.034797	0.972241	0.995553	Fosl2
ENSMUSG0ENSMUSGC	157.7706	-0.05313	0.145102	-0.36614	0.714258	0.935647	Rbks
ENSMUSG0ENSMUSGC	888.6431	0.168338	0.112509	1.496226	0.134595	0.559431	Slc4a1ap
ENSMUSG0ENSMUSGC	1562.397	0.187139	0.092105	2.031797	0.042174	0.332592	Eif2b4
ENSMUSG0ENSMUSGC	3222.981	0.067122	0.057282	1.171781	0.241285	0.689436	Snx17
ENSMUSG0ENSMUSGC	5613.576	0.102956	0.062191	1.655477	0.097828	0.488664	Ppm1g
ENSMUSG0ENSMUSGC	2302.779	0.137562	0.093426	1.472422	0.140907	0.571183	Nrbp1
ENSMUSG0ENSMUSGC	330.3945	-0.02156	0.093376	-0.23085	0.817432	0.959822	Krtcap3
ENSMUSG0ENSMUSGC	6502.789	0.093883	0.084045	1.117055	0.263971	0.706972	Ociad1

ENSMUSG0ENSMUSG0	2225.122	0.042521	0.138231	0.307609	0.75838	0.945377	Ociad2
ENSMUSG0ENSMUSG0	1426.79	-0.09875	0.064476	-1.53155	0.125633	0.54172	Sgcb
ENSMUSG0ENSMUSG0	262.1408	-0.1817	0.135287	-1.34306	0.179252	0.623409	Cgref1
ENSMUSG0ENSMUSG0	454.7479	0.090935	0.110618	0.822062	0.411042	0.804628	Khk
ENSMUSG0ENSMUSG0	44.21889	0.124287	0.141269	0.879786	0.378975	0.789428	Emilin1
ENSMUSG0ENSMUSG0	950.7776	-0.23713	0.088199	-2.68861	0.007175	0.128219	Agbl5
ENSMUSG0ENSMUSG0	2437.484	0.061938	0.113229	0.547014	0.584369	0.893087	Mapre3
ENSMUSG0ENSMUSG0	671.1474	0.093214	0.145562	0.640372	0.521931	0.866449	Ppargc1a
ENSMUSG0ENSMUSG0	1710.694	0.220874	0.123711	1.785402	0.074196	0.433063	Dpysl5
ENSMUSG0ENSMUSG0	6137.577	0.07388	0.089954	0.821316	0.411466	0.804849	Dhx15
ENSMUSG0ENSMUSG0	662.7991	-0.02439	0.076609	-0.31833	0.750236	0.942407	Pgm1
ENSMUSG0ENSMUSG0	1878.741	-0.0056	0.106452	-0.0526	0.958051	0.993017	Sepsecs
ENSMUSG0ENSMUSG0	3447.853	-0.11393	0.093255	-1.22169	0.221826	0.672097	Tbc1d1
ENSMUSG0ENSMUSG0	868.9893	0.041596	0.06917	0.601352	0.547606	0.877048	Slc35f6
ENSMUSG0ENSMUSG0	3191.283	0.157937	0.107363	1.47106	0.141275	0.571236	Anapc4
ENSMUSG0ENSMUSG0	2895.762	-0.02678	0.077373	-0.34608	0.729281	0.938791	Cenpa
ENSMUSG0ENSMUSG0	345.3802	0.048433	0.141408	0.342507	0.73197	0.938791	Klf3
ENSMUSG0ENSMUSG0	362.7875	-0.1137	0.085929	-1.32319	0.185771	0.631891	Zcchc4
ENSMUSG0ENSMUSG0	1499.715	0.010138	0.113364	0.08943	0.92874	0.985705	Fam114a1
ENSMUSG0ENSMUSG0	792.1778	-0.25088	0.122858	-2.04202	0.04115	0.329768	Pi4k2b
ENSMUSG0ENSMUSG0	5569.788	0.273988	0.133744	2.048607	0.040501	0.327112	Sel1l3
ENSMUSG0ENSMUSG0	3081.33	-0.0457	0.054741	-0.83493	0.403758	0.800157	D5Erttd579e
ENSMUSG0ENSMUSG0	2479.421	-0.07487	0.0777	-0.96354	0.335278	0.759008	Rfc1
ENSMUSG0ENSMUSG0	2889.423	0.322189	0.113426	2.840523	0.004504	0.098067	Tbc1d14
ENSMUSG0ENSMUSG0	68.59412	0.065888	0.133408	0.493885	0.621387	0.907988	Cckar
ENSMUSG0ENSMUSG0	1292.594	-0.01315	0.088408	-0.14877	0.881737	0.97678	Tada2b
ENSMUSG0ENSMUSG0	2245.955	0.111869	0.091759	1.219158	0.222784	0.672985	Grpel1
ENSMUSG0ENSMUSG0	791.817	0.073491	0.079495	0.924466	0.355244	0.774767	Lias
ENSMUSG0ENSMUSG0	1339.558	0.06965	0.079769	0.873135	0.382589	0.790739	Ugdh
ENSMUSG0ENSMUSG0	3362.723	-0.10112	0.099412	-1.01719	0.309061	0.743522	Pds5a
ENSMUSG0ENSMUSG0	3323.154	0.177964	0.092181	1.930578	0.053535	0.37491	Ube2k
ENSMUSG0ENSMUSG0	627.5297	0.092104	0.101148	0.910584	0.362515	0.780559	Apbb2
ENSMUSG0ENSMUSG0	1209.63	-0.03603	0.084047	-0.42866	0.668173	0.925067	Guf1
ENSMUSG0ENSMUSG0	460.1333	-0.20001	0.081928	-2.44132	0.014634	0.189912	Gnpda2
ENSMUSG0ENSMUSG0	58.48002	-0.3332	0.14106	-2.36214	0.01817	0.212117	Gabra4
ENSMUSG0ENSMUSG0	1233.637	0.082397	0.064381	1.279836	0.200603	0.648008	Commdd8
ENSMUSG0ENSMUSG0	307.0275	-0.08316	0.11141	-0.74644	0.455402	0.829671	Tec
ENSMUSG0ENSMUSG0	3599.806	-0.00074	0.080498	-0.00923	0.992634	0.998539	Slc30a9
ENSMUSG0ENSMUSG0	3824.415	0.003374	0.108731	0.031034	0.975242	0.996035	Uchl1
ENSMUSG0ENSMUSG0	3991.164	0.080994	0.082742	0.978881	0.327639	0.754804	Fip1l1
ENSMUSG0ENSMUSG0	778.7174	0.018281	0.122983	0.148648	0.881831	0.97678	Chic2
ENSMUSG0ENSMUSG0	759.69	-0.0779	0.087187	-0.89352	0.371578	0.78587	Srd5a3
ENSMUSG0ENSMUSG0	2423.344	0.04594	0.093707	0.490247	0.623959	0.907988	Tmem165
ENSMUSG0ENSMUSG0	3547.27	0.069903	0.099458	0.702839	0.482156	0.846451	Clock
ENSMUSG0ENSMUSG0	686.7299	-0.01531	0.102041	-0.15008	0.880698	0.97663	Epha5
ENSMUSG0ENSMUSG0	2683.941	-0.06705	0.081032	-0.82749	0.407959	0.802351	Ppat
ENSMUSG0ENSMUSG0	6917.764	0.180335	0.0888	2.030803	0.042275	0.332994	Paics
ENSMUSG0ENSMUSG0	91.90465	0.013833	0.143387	0.096476	0.923142	0.985705	Rest
ENSMUSG0ENSMUSG0	3775.828	0.042076	0.065105	0.646275	0.518101	0.863995	Polr2b
ENSMUSG0ENSMUSG0	976.1769	-0.0435	0.104385	-0.41676	0.676853	0.927788	Cenpc1
ENSMUSG0ENSMUSG0	486.4311	-0.11203	0.099524	-1.12561	0.260331	0.704211	Pigg
ENSMUSG0ENSMUSG0	935.0991	-0.16158	0.096776	-1.66961	0.094996	0.484844	Dr1

ENSMUSG0ENSMUSG0	930.3189	0.022874	0.093324	0.245102	0.806377	0.958353	Mtf2
ENSMUSG0ENSMUSG0	205.301	0.047754	0.144829	0.329725	0.741607	0.94054	Fam69a
ENSMUSG0ENSMUSG0	81.48515	-0.23145	0.130343	-1.77566	0.075788	0.437736	Sult1d1
ENSMUSG0ENSMUSG0	314.0937	0.151144	0.127865	1.182056	0.237184	0.685884	Glmn
ENSMUSG0ENSMUSG0	269.5602	-0.01709	0.119103	-0.14347	0.885918	0.977794	Brdt
ENSMUSG0ENSMUSG0	1145.928	-0.0719	0.092805	-0.77473	0.4385	0.819895	Cdc7
ENSMUSG0ENSMUSG0	751.622	-0.01465	0.121088	-0.12102	0.903677	0.98226	Zfp326
ENSMUSG0ENSMUSG0	3405.265	0.025291	0.100047	0.252797	0.800425	0.956574	Rufy3
ENSMUSG0ENSMUSG0	13081.47	-0.21595	0.133977	-1.61183	0.107	0.507367	Spp1
ENSMUSG0ENSMUSG0	423.2451	0.184775	0.145992	1.265655	0.205637	0.653576	Sparcl1
ENSMUSG0ENSMUSG0	534.112	-0.13978	0.099243	-1.40844	0.159	0.59683	Nudt9
ENSMUSG0ENSMUSG0	361.7178	-0.43736	0.098991	-4.41819	9.95E-06	0.001547	Hsd17b11
ENSMUSG0ENSMUSG0	440.2963	0.174788	0.105089	1.663233	0.096266	0.486497	Klhl8
ENSMUSG0ENSMUSG0	1836.303	0.121517	0.089061	1.364425	0.172434	0.614116	Aff1
ENSMUSG0ENSMUSG0	1637.423	-0.28009	0.112839	-2.4822	0.013057	0.178464	Coq2
ENSMUSG0ENSMUSG0	739.392	0.148134	0.079011	1.874855	0.060813	0.397109	Enoph1
ENSMUSG0ENSMUSG0	7356.887	0.073311	0.069204	1.059341	0.289444	0.728999	Hnrnpdl
ENSMUSG0ENSMUSG0	1183.385	0.133293	0.12778	1.043144	0.296882	0.735512	Cds1
ENSMUSG0ENSMUSG0	272.1989	0.33331	0.143295	2.326049	0.020016	0.224132	Crybb1
ENSMUSG0ENSMUSG0	1867.326	0.203233	0.097006	2.095049	0.036167	0.306946	Tpst2
ENSMUSG0ENSMUSG0	1933.069	0.015239	0.062439	0.244068	0.807178	0.958353	Tfip11
ENSMUSG0ENSMUSG0	393.8962	0.004053	0.100094	0.040489	0.967703	0.995328	Srrd
ENSMUSG0ENSMUSG0	628.5975	0.073987	0.099867	0.740852	0.458783	0.832245	Asphd2
ENSMUSG0ENSMUSG0	935.0094	-0.05894	0.115413	-0.5107	0.60956	0.903826	Crybb3
ENSMUSG0ENSMUSG0	386.1243	-0.41993	0.124624	-3.3696	0.000753	0.030956	Tesc
ENSMUSG0ENSMUSG0	2619.505	-0.03667	0.089183	-0.41122	0.680912	0.929224	Rfc5
ENSMUSG0ENSMUSG0	6957.792	0.018129	0.062031	0.29226	0.770088	0.949297	Wsb2
ENSMUSG0ENSMUSG0	3039.177	-0.04867	0.08864	-0.54908	0.582949	0.892926	Dck
ENSMUSG0ENSMUSG0	63.39582	-0.18612	0.142282	-1.30813	0.190828	0.638189	Areg
ENSMUSG0ENSMUSG0	501.342	-0.01766	0.119493	-0.14778	0.882512	0.97694	Shroom3
ENSMUSG0ENSMUSG0	710.753	-0.03825	0.137956	-0.27724	0.781599	0.951693	Ccng2
ENSMUSG0ENSMUSG0	715.091	0.036045	0.096445	0.373739	0.708599	0.934791	Tctn2
ENSMUSG0ENSMUSG0	747.2524	-0.27633	0.095863	-2.8825	0.003945	0.090354	Gtf2h3
ENSMUSG0ENSMUSG0	1809.781	0.126522	0.085797	1.474663	0.140303	0.570713	Eif2b1
ENSMUSG0ENSMUSG0	916.4083	-0.03885	0.074008	-0.52498	0.599597	0.898925	Ddx55
ENSMUSG0ENSMUSG0	15609.1	0.018529	0.080077	0.231393	0.817009	0.959822	Tmed2
ENSMUSG0ENSMUSG0	439.7579	0.033101	0.103141	0.320931	0.748263	0.94212	Rilpl1
ENSMUSG0ENSMUSG0	7208.265	0.154346	0.049208	3.136608	0.001709	0.051426	Cdk2ap1
ENSMUSG0ENSMUSG0	1722.027	0.117649	0.081838	1.437572	0.150556	0.584004	Rchy1
ENSMUSG0ENSMUSG0	580.6745	0.238447	0.107103	2.226325	0.025992	0.257937	Rilpl2
ENSMUSG0ENSMUSG0	398.0087	-0.12166	0.104885	-1.15992	0.246082	0.69389	Snrnp35
ENSMUSG0ENSMUSG0	1218.871	0.204154	0.095444	2.138996	0.032436	0.289434	Cdkl2
ENSMUSG0ENSMUSG0	1446.207	0.022024	0.086484	0.254658	0.798987	0.956481	Arl6ip4
ENSMUSG0ENSMUSG0	8870.079	0.248427	0.090102	2.757172	0.00583	0.114003	G3bp2
ENSMUSG0ENSMUSG0	4355.706	0.034947	0.087629	0.398799	0.690042	0.931679	Pitpnm2
ENSMUSG0ENSMUSG0	5729.829	0.067402	0.060682	1.110745	0.266678	0.709753	Uso1
ENSMUSG0ENSMUSG0	991.7874	0.277417	0.127451	2.176654	0.029506	0.27556	Abcb9
ENSMUSG0ENSMUSG0	760.9266	-0.01106	0.106944	-0.10345	0.917605	0.984558	Naaa
ENSMUSG0ENSMUSG0	2754.747	0.181386	0.077517	2.339957	0.019286	0.218471	Kntc1
ENSMUSG0ENSMUSG0	1015.27	0.147743	0.103557	1.426679	0.153672	0.590101	Sdad1
ENSMUSG0ENSMUSG0	773.3132	-0.01331	0.107952	-0.12331	0.901865	0.981696	Slc15a4
ENSMUSG0ENSMUSG0	434.5008	0.056005	0.122526	0.457088	0.647608	0.917804	Gm996

ENSMUSG0ENSMUSG0	11546.2	-0.03275	0.131549	-0.24898	0.803373	0.957127	Rimbp2
ENSMUSG0ENSMUSG0	3015.489	0.008121	0.077366	0.104971	0.916399	0.984548	Rsrc2
ENSMUSG0ENSMUSG0	10183.69	-0.00656	0.094479	-0.06947	0.944617	0.989441	Scarb2
ENSMUSG0ENSMUSG0	1624.481	-0.00567	0.071149	-0.07976	0.936427	0.986886	Zcchc8
ENSMUSG0ENSMUSG0	643.6544	-0.16391	0.087141	-1.88096	0.059977	0.394933	Stx2
ENSMUSG0ENSMUSG0	16908.57	0.113749	0.082961	1.371115	0.170339	0.611543	Ran
ENSMUSG0ENSMUSG0	1305.685	-0.05691	0.12204	-0.46633	0.640982	0.914411	Nipsnap2
ENSMUSG0ENSMUSG0	2548.715	-0.05952	0.078134	-0.76174	0.446216	0.824037	Diablo
ENSMUSG0ENSMUSG0	1809.784	-0.10481	0.061892	-1.69336	0.090387	0.473154	Vps33a
ENSMUSG0ENSMUSG0	79.10163	-0.37658	0.141713	-2.65738	0.007875	0.134441	Mmp17
ENSMUSG0ENSMUSG0	1201.634	-0.03578	0.079969	-0.44737	0.654607	0.919908	Bcl7a
ENSMUSG0ENSMUSG0	1906.172	0.046576	0.089991	0.517561	0.604764	0.901817	Sfswap
ENSMUSG0ENSMUSG0	1265.179	0.077095	0.083706	0.921013	0.357043	0.775443	Psmd9
ENSMUSG0ENSMUSG0	1198.321	0.12065	0.145756	0.827757	0.407808	0.802351	Psph
ENSMUSG0ENSMUSG0	8530.109	0.160522	0.096263	1.667544	0.095406	0.485498	Cct6a
ENSMUSG0ENSMUSG0	234.3574	0.113912	0.121927	0.934271	0.350164	0.77162	Rhof
ENSMUSG0ENSMUSG0	1247.267	-0.06212	0.068113	-0.91204	0.361745	0.779861	Mapkapk5
ENSMUSG0ENSMUSG0	447.2726	-0.07708	0.100552	-0.76659	0.443326	0.822591	Aldh2
ENSMUSG0ENSMUSG0	141.2831	-0.27035	0.136563	-1.97966	0.047742	0.351856	Acad10
ENSMUSG0ENSMUSG0	1473.829	-0.06085	0.118608	-0.51305	0.607918	0.903741	Brap
ENSMUSG0ENSMUSG0	2252.207	0.124376	0.086021	1.445875	0.148212	0.580458	Fam168a
ENSMUSG0ENSMUSG0	3181.02	0.14594	0.094616	1.542445	0.122965	0.535747	Vps29
ENSMUSG0ENSMUSG0	2600.304	0.116806	0.079271	1.473493	0.140618	0.570973	Fam216a
ENSMUSG0ENSMUSG0	981.9143	0.308474	0.074698	4.129615	3.63E-05	0.003855	Gpn3
ENSMUSG0ENSMUSG0	4439.043	0.101633	0.109616	0.927173	0.353837	0.774327	Arpc3
ENSMUSG0ENSMUSG0	1642.796	0.16066	0.087192	1.842607	0.065386	0.411885	Anapc7
ENSMUSG0ENSMUSG0	59833.65	0.09822	0.143059	0.686573	0.492352	0.852803	Atp2a2
ENSMUSG0ENSMUSG0	1608.493	-0.10184	0.099082	-1.02779	0.30405	0.739759	Ift81
ENSMUSG0ENSMUSG0	859.9246	-0.29546	0.093304	-3.16667	0.001542	0.048157	P2rx4
ENSMUSG0ENSMUSG0	735.893	0.110571	0.080462	1.374204	0.169378	0.610039	Camkk2
ENSMUSG0ENSMUSG0	16917.01	0.072862	0.066905	1.089026	0.276142	0.717892	Anapc5
ENSMUSG0ENSMUSG0	1289.465	-0.02169	0.100778	-0.21526	0.829566	0.963218	Rnf34
ENSMUSG0ENSMUSG0	6497.959	0.316755	0.11501	2.754146	0.005885	0.114003	Kdm2b
ENSMUSG0ENSMUSG0	4224.087	0.079555	0.119169	0.667583	0.5044	0.85693	Ncor2
ENSMUSG0ENSMUSG0	782.1496	0.066352	0.08774	0.756237	0.449507	0.825352	Dhx37
ENSMUSG0ENSMUSG0	4673.224	0.195676	0.086948	2.250491	0.024418	0.249486	Aacs
ENSMUSG0ENSMUSG0	1079.369	0.115552	0.074459	1.551885	0.12069	0.533406	Mrpl1
ENSMUSG0ENSMUSG0	98.32967	-0.14491	0.141409	-1.02475	0.305482	0.741488	Pde6b
ENSMUSG0ENSMUSG0	74.17327	0.420443	0.140588	2.990604	0.002784	0.071987	Pxmp2
ENSMUSG0ENSMUSG0	2060.476	0.057856	0.05932	0.975329	0.329397	0.755901	Pgam5
ENSMUSG0ENSMUSG0	1406.972	-0.02918	0.109474	-0.26651	0.789843	0.954487	Ankle2
ENSMUSG0ENSMUSG0	2663.873	0.122436	0.09532	1.284472	0.198977	0.646034	Golga3
ENSMUSG0ENSMUSG0	525.6	0.002571	0.114339	0.022488	0.982059	0.997345	Ddx51
ENSMUSG0ENSMUSG0	2977.038	-0.05853	0.109813	-0.53303	0.594011	0.8963	Ep400
ENSMUSG0ENSMUSG0	646.4016	-0.14458	0.105887	-1.36541	0.172125	0.613849	Pus1
ENSMUSG0ENSMUSG0	1738.522	-0.16234	0.09712	-1.67159	0.094605	0.483945	Ulk1
ENSMUSG0ENSMUSG0	2849.934	-0.0551	0.102387	-0.5382	0.59044	0.895584	Prkab1
ENSMUSG0ENSMUSG0	964.1595	0.136822	0.134312	1.018684	0.308353	0.743099	Cit
ENSMUSG0ENSMUSG0	2065.007	0.054763	0.055666	0.983778	0.325225	0.754238	Rab35
ENSMUSG0ENSMUSG0	511.2748	0.0045	0.101139	0.044497	0.964508	0.994711	Chek2
ENSMUSG0ENSMUSG0	236.0909	-0.09749	0.094624	-1.03031	0.302866	0.739759	Sirt4
ENSMUSG0ENSMUSG0	660.206	-0.31773	0.106189	-2.99208	0.002771	0.071918	Pxn

ENSMUSG0ENSMUSGC	224.8023	-0.19834	0.122688	-1.61665	0.105953	0.50491	St7
ENSMUSG0ENSMUSGC	829.1468	-0.11483	0.097256	-1.18064	0.237744	0.686674	Triap1
ENSMUSG0ENSMUSGC	1028.893	-0.0559	0.065072	-0.85906	0.390306	0.794806	Gatc
ENSMUSG0ENSMUSGC	1943.674	0.063792	0.083764	0.761569	0.446317	0.824037	Srsf9
ENSMUSG0ENSMUSGC	4700.279	0.214115	0.114232	1.874379	0.060878	0.39727	Cabp1
ENSMUSG0ENSMUSGC	782.5217	-0.28036	0.113769	-2.46429	0.013728	0.183043	Acads
ENSMUSG0ENSMUSGC	3281.894	0.08473	0.096253	0.880287	0.378704	0.789109	Ints1
ENSMUSG0ENSMUSGC	1721.902	0.024504	0.077599	0.31578	0.752169	0.943441	Sppl3
ENSMUSG0ENSMUSGC	539.4811	-0.09285	0.106229	-0.87405	0.382092	0.790739	Psmg3
ENSMUSG0ENSMUSGC	526.9148	-0.39778	0.120878	-3.29071	0.000999	0.036594	Tes
ENSMUSG0ENSMUSGC	2058.584	0.163524	0.081618	2.003529	0.045121	0.342308	Mad1l1
ENSMUSG0ENSMUSGC	808.4648	-0.0128	0.097713	-0.13102	0.895757	0.98027	Hnf1a
ENSMUSG0ENSMUSGC	283.0968	0.084467	0.115451	0.731621	0.4644	0.83582	Mrm2
ENSMUSG0ENSMUSGC	2452.164	0.036931	0.074913	0.492987	0.622022	0.907988	2210016L2
ENSMUSG0ENSMUSGC	2106.353	0.495774	0.080083	6.190756	5.99E-10	6.67E-07	Snx8
ENSMUSG0ENSMUSGC	153.2373	-0.14932	0.145602	-1.02553	0.305115	0.741137	Oasl2
ENSMUSG0ENSMUSGC	1158.929	0.176569	0.102918	1.715635	0.086229	0.462936	Foxp2
ENSMUSG0ENSMUSGC	821.2	-0.21227	0.07638	-2.77909	0.005451	0.109746	Tmem168
ENSMUSG0ENSMUSGC	219.7226	-0.38332	0.129187	-2.96719	0.003005	0.075369	Lfng
ENSMUSG0ENSMUSGC	1858.915	0.016665	0.100217	0.166289	0.86793	0.974473	Tmem106b
ENSMUSG0ENSMUSGC	583.9783	0.22109	0.081785	2.703304	0.006865	0.124537	Mmab
ENSMUSG0ENSMUSGC	99.10938	-0.15744	0.139994	-1.12461	0.260754	0.704284	Radil
ENSMUSG0ENSMUSGC	2382.978	-0.29343	0.069604	-4.21573	2.49E-05	0.002869	Ube3b
ENSMUSG0ENSMUSGC	2531.335	-0.0492	0.054447	-0.90356	0.366231	0.782891	Wipi2
ENSMUSG0ENSMUSGC	23518.83	0.033281	0.089413	0.372223	0.709727	0.934993	Actb
ENSMUSG0ENSMUSGC	80.56942	-0.26032	0.141913	-1.8344	0.066594	0.414416	Fscn1
ENSMUSG0ENSMUSGC	873.0764	-0.06996	0.101922	-0.68642	0.492445	0.852803	Zfp12
ENSMUSG0ENSMUSGC	899.3394	0.202356	0.091662	2.207644	0.027269	0.263587	Ung
ENSMUSG0ENSMUSGC	1036.319	-0.06791	0.087274	-0.77816	0.436472	0.819028	Usp30
ENSMUSG0ENSMUSGC	790.5749	0.15509	0.08736	1.775285	0.075851	0.437736	Rbm19
ENSMUSG0ENSMUSGC	1286.397	0.005502	0.070638	0.077886	0.937918	0.987566	Plbd2
ENSMUSG0ENSMUSGC	1617.437	0.006491	0.086944	0.074652	0.940492	0.988134	Ddx54
ENSMUSG0ENSMUSGC	462.8601	0.045684	0.090697	0.503702	0.614471	0.905841	Rita1
ENSMUSG0ENSMUSGC	39.45297	-0.46283	0.145979	-3.1705	0.001522	0.04775	Rasal1
ENSMUSG0ENSMUSGC	1134.474	0.08686	0.110907	0.783179	0.433522	0.817251	Dtx1
ENSMUSG0ENSMUSGC	192.6405	0.235056	0.115569	2.033895	0.041962	0.33254	Oas1b
ENSMUSG0ENSMUSGC	4280.174	0.139468	0.132921	1.049257	0.29406	0.73375	Rph3a
ENSMUSG0ENSMUSGC	1508.738	0.110775	0.097459	1.136627	0.255694	0.701792	Aimp2
ENSMUSG0ENSMUSGC	1756.597	0.031094	0.058242	0.533873	0.59343	0.895908	Eif2ak1
ENSMUSG0ENSMUSGC	22582.42	0.163096	0.103526	1.575413	0.115161	0.522716	Rpl6
ENSMUSG0ENSMUSGC	5190.929	0.212276	0.110764	1.916474	0.055305	0.379575	Erp29
ENSMUSG0ENSMUSGC	2562.904	0.07457	0.062339	1.196207	0.231616	0.681648	Ccz1
ENSMUSG0ENSMUSGC	5166.285	0.057814	0.073378	0.787887	0.430763	0.816275	Arpc1a
ENSMUSG0ENSMUSGC	812.4816	0.039436	0.087878	0.448754	0.653609	0.919812	Arpc1b
ENSMUSG0ENSMUSGC	3453.906	-0.03101	0.063687	-0.48692	0.626313	0.909103	Pdap1
ENSMUSG0ENSMUSGC	561.1	-0.03859	0.09108	-0.42372	0.671768	0.926477	Ptcd1
ENSMUSG0ENSMUSGC	988.7908	-0.01221	0.07957	-0.1534	0.878079	0.976224	Cpsf4
ENSMUSG0ENSMUSGC	223.8477	0.024577	0.119134	0.2063	0.836557	0.965152	Zkscan14
ENSMUSG0ENSMUSGC	1172.339	-0.01483	0.103286	-0.14362	0.885803	0.977748	Phf14
ENSMUSG0ENSMUSGC	6572.039	0.164664	0.115251	1.42874	0.153079	0.589176	Ndufa4
ENSMUSG0ENSMUSGC	1898.365	0.008122	0.096101	0.084516	0.932646	0.986608	Rnf6
ENSMUSG0ENSMUSGC	2270.843	0.139057	0.066079	2.104395	0.035344	0.303627	Cdk8

ENSMUSG0ENSMUSG0	662.1244	-0.06062	0.114948	-0.52735	0.597953	0.898071	Wasf3
ENSMUSG0ENSMUSG0	297.144	-0.21573	0.143418	-1.50423	0.132521	0.555041	Glccl1
ENSMUSG0ENSMUSG0	2449.939	-0.2604	0.071944	-3.6195	0.000295	0.016695	Usp12
ENSMUSG0ENSMUSG0	147.4905	0.058912	0.135239	0.435612	0.663118	0.924638	Rasl11a
ENSMUSG0ENSMUSG0	3335.323	0.172947	0.100726	1.717008	0.085978	0.462853	Polr1d
ENSMUSG0ENSMUSG0	8851.351	-0.06803	0.070129	-0.97004	0.332027	0.758	Pdx1
ENSMUSG0ENSMUSG0	478.3629	-0.2063	0.122601	-1.68268	0.092436	0.477434	Cdx2
ENSMUSG0ENSMUSG0	920.4674	-0.10767	0.08291	-1.29864	0.194068	0.639485	Pan3
ENSMUSG0ENSMUSG0	2930.23	0.034307	0.095616	0.358801	0.719744	0.936421	Pomp
ENSMUSG0ENSMUSG0	110.69	-0.16693	0.138637	-1.20409	0.228554	0.678012	Slc46a3
ENSMUSG0ENSMUSG0	1765.355	0.179721	0.08243	2.180274	0.029237	0.274255	N4bp2l2
ENSMUSG0ENSMUSG0	3661.765	0.088302	0.133564	0.661126	0.508531	0.858926	Hsph1
ENSMUSG0ENSMUSG0	60.70195	0.079497	0.140931	0.564082	0.572698	0.889939	Tex26
ENSMUSG0ENSMUSG0	587.3142	-0.03006	0.118989	-0.2526	0.800573	0.956588	Ing3
ENSMUSG0ENSMUSG0	2580.213	-0.04477	0.107028	-0.41828	0.675745	0.927604	Fam3c
ENSMUSG0ENSMUSG0	1649.354	0.048654	0.139843	0.347921	0.7279	0.938587	Auts2
ENSMUSG0ENSMUSG0	776.7266	-0.06017	0.10284	-0.58508	0.558491	0.883055	Limk1
ENSMUSG0ENSMUSG0	720.577	-0.19561	0.101305	-1.93091	0.053495	0.37491	Pot1a
ENSMUSG0ENSMUSG0	1373.335	0.057233	0.07755	0.73801	0.460508	0.833092	Bcl7b
ENSMUSG0ENSMUSG0	2094.869	-0.11676	0.098756	-1.18226	0.237104	0.685862	Wasl
ENSMUSG0ENSMUSG0	3112.84	0.018308	0.093323	0.196177	0.844472	0.967714	Cul1
ENSMUSG0ENSMUSG0	2651.671	0.074113	0.065122	1.138067	0.255093	0.701321	Ezh2
ENSMUSG0ENSMUSG0	363.5944	-0.44565	0.111179	-4.00845	6.11E-05	0.005634	Aass
ENSMUSG0ENSMUSG0	224.8161	0.02634	0.105076	0.250672	0.802067	0.956826	Ssc4d
ENSMUSG0ENSMUSG0	1596.255	0.058583	0.104752	0.559261	0.575984	0.890536	Rbm28
ENSMUSG0ENSMUSG0	766.0794	0.112508	0.078228	1.438199	0.150378	0.583809	Lrwd1
ENSMUSG0ENSMUSG0	3853.753	-0.03739	0.050589	-0.73918	0.459798	0.832373	Cux1
ENSMUSG0ENSMUSG0	441.2606	-0.12288	0.144685	-0.84928	0.395725	0.797111	Pax4
ENSMUSG0ENSMUSG0	1509.418	0.003817	0.097797	0.039033	0.968864	0.995539	Gcc1
ENSMUSG0ENSMUSG0	749.7361	-0.05012	0.103705	-0.48332	0.628866	0.910993	Actl6b
ENSMUSG0ENSMUSG0	11477.02	-0.03063	0.105449	-0.29049	0.771439	0.949297	Gnb2
ENSMUSG0ENSMUSG0	1298.547	-0.0107	0.130335	-0.08213	0.934545	0.986608	Gigyf1
ENSMUSG0ENSMUSG0	748.1865	0.001303	0.106028	0.012288	0.990196	0.998539	Pop7
ENSMUSG0ENSMUSG0	660.1901	-0.13207	0.107465	-1.229	0.219072	0.669212	Gm20605
ENSMUSG0ENSMUSG0	928.5705	0.237082	0.071804	3.301812	0.000961	0.035993	Agfg2
ENSMUSG0ENSMUSG0	1276.276	-0.10213	0.120536	-0.84732	0.396817	0.797477	Tsc22d4
ENSMUSG0ENSMUSG0	521.0828	0.171763	0.109365	1.570554	0.116286	0.525543	Ppp1r35
ENSMUSG0ENSMUSG0	1720.896	-0.09337	0.080709	-1.15688	0.247322	0.695372	Mepce
ENSMUSG0ENSMUSG0	1054.883	-0.06118	0.067236	-0.90992	0.362863	0.780559	Zkscan1
ENSMUSG0ENSMUSG0	7105.848	0.095058	0.071398	1.331375	0.183066	0.629886	Mcm7
ENSMUSG0ENSMUSG0	341.508	-0.03451	0.100728	-0.34259	0.731907	0.938791	Tpk1
ENSMUSG0ENSMUSG0	9107.862	0.036147	0.142269	0.254077	0.799436	0.956574	Asns
ENSMUSG0ENSMUSG0	101.9216	0.047724	0.140608	0.33941	0.734301	0.938791	Pon3
ENSMUSG0ENSMUSG0	50.47862	0.256065	0.13682	1.871546	0.061269	0.398341	Akr1b8
ENSMUSG0ENSMUSG0	2847.68	-0.00689	0.076909	-0.08958	0.928621	0.985705	Exoc4
ENSMUSG0ENSMUSG0	3206.252	0.146379	0.111081	1.317769	0.187581	0.635227	Calu
ENSMUSG0ENSMUSG0	652.9682	-0.08094	0.10008	-0.80878	0.418644	0.810635	Ccdc136
ENSMUSG0ENSMUSG0	3199.319	0.173137	0.122177	1.417105	0.156452	0.595338	Ahcyl2
ENSMUSG0ENSMUSG0	3864.964	0.195931	0.082668	2.37009	0.017784	0.208157	Klhdc10
ENSMUSG0ENSMUSG0	1607.503	0.132175	0.086052	1.535984	0.124542	0.539415	Hibadh
ENSMUSG0ENSMUSG0	11385.8	0.133103	0.086981	1.530255	0.125954	0.542229	Gars
ENSMUSG0ENSMUSG0	3757.159	0.071837	0.094371	0.761214	0.446529	0.824037	Nt5c3

ENSMUSG0ENSMUSGC	8160.981	0.089624	0.111976	0.800386	0.423487	0.813444	Fkbp9
ENSMUSG0ENSMUSGC	1468.933	-0.08321	0.086398	-0.96305	0.335525	0.759008	Tmem209
ENSMUSG0ENSMUSGC	2244.38	-0.07424	0.117898	-0.62968	0.528905	0.869382	Avl9
ENSMUSG0ENSMUSGC	441.5046	0.018963	0.136551	0.13887	0.889553	0.978618	Cep41
ENSMUSG0ENSMUSGC	402.2092	-0.02742	0.113	-0.24267	0.808259	0.958353	Herc6
ENSMUSG0ENSMUSGC	500.4883	0.078061	0.135068	0.577938	0.563306	0.885329	Abcg2
ENSMUSG0ENSMUSGC	1056.188	-0.00282	0.100658	-0.02804	0.977629	0.996414	Herc3
ENSMUSG0ENSMUSGC	5047.899	-0.15661	0.122492	-1.27851	0.20107	0.648578	Tmem176b
ENSMUSG0ENSMUSGC	367.9224	0.072404	0.134529	0.538206	0.590435	0.895584	Malsu1
ENSMUSG0ENSMUSGC	3138.288	0.001428	0.063743	0.022404	0.982126	0.997345	Tra2a
ENSMUSG0ENSMUSGC	12103.95	0.037739	0.108149	0.348954	0.727124	0.938587	Npy
ENSMUSG0ENSMUSGC	768.5805	0.073867	0.124092	0.59526	0.551669	0.880268	Gsdme
ENSMUSG0ENSMUSGC	418.6844	-0.18339	0.104482	-1.7552	0.079226	0.445187	Osbpl3
ENSMUSG0ENSMUSGC	5722.354	0.011345	0.098902	0.114706	0.908678	0.98271	Luc7l2
ENSMUSG0ENSMUSGC	2614.847	-0.03126	0.073195	-0.42707	0.669326	0.92522	Zc3hav1
ENSMUSG0ENSMUSGC	1098.781	-0.13431	0.083305	-1.61229	0.106898	0.507302	Trim24
ENSMUSG0ENSMUSGC	6533.574	0.05718	0.054168	1.055601	0.291151	0.730719	Cbx3
ENSMUSG0ENSMUSGC	4928.58	0.088888	0.078843	1.127404	0.259572	0.704211	Mtpn
ENSMUSG0ENSMUSGC	352.5692	-0.12007	0.135033	-0.8892	0.373894	0.787458	Epha1
ENSMUSG0ENSMUSGC	2582.312	-0.09486	0.11925	-0.79544	0.426357	0.81459	Zyx
ENSMUSG0ENSMUSGC	130.7807	-0.41514	0.143811	-2.88671	0.003893	0.089874	Fam131b
ENSMUSG0ENSMUSGC	1623.472	0.018782	0.098818	0.19007	0.849255	0.96914	Casp2
ENSMUSG0ENSMUSGC	107.6307	0.139773	0.125634	1.112545	0.265904	0.709023	Gstk1
ENSMUSG0ENSMUSGC	377.5837	-0.05296	0.100553	-0.52671	0.598392	0.898428	Ccdc184
ENSMUSG0ENSMUSGC	261.7199	-0.01719	0.127789	-0.13452	0.89299	0.979424	Dbpht2
ENSMUSG0ENSMUSGC	4375.239	0.153463	0.084136	1.823987	0.068154	0.419243	Mad2l1
ENSMUSG0ENSMUSGC	1409.6	0.097412	0.07687	1.267236	0.205071	0.653023	Ssbp1
ENSMUSG0ENSMUSGC	543.8758	-0.03638	0.099268	-0.36652	0.713974	0.935647	Agk
ENSMUSG0ENSMUSGC	2252.885	0.014802	0.110667	0.133749	0.893601	0.979634	Mrps33
ENSMUSG0ENSMUSGC	152.99	-0.09813	0.137486	-0.71376	0.475376	0.842415	Hpgds
ENSMUSG0ENSMUSGC	1332.371	-0.04551	0.074043	-0.61469	0.538762	0.873794	Smardc1
ENSMUSG0ENSMUSGC	2898.677	0.039856	0.074792	0.532887	0.594112	0.8963	Mkrn1
ENSMUSG0ENSMUSGC	88.47591	0.151904	0.145865	1.041399	0.29769	0.736076	Rab19
ENSMUSG0ENSMUSGC	2281.943	0.07664	0.085872	0.892486	0.372133	0.786326	Slc37a3
ENSMUSG0ENSMUSGC	9527.309	0.107795	0.099396	1.084509	0.278139	0.720077	Gfpt1
ENSMUSG0ENSMUSGC	1148.72	0.090176	0.107503	0.838827	0.401566	0.79975	Nfu1
ENSMUSG0ENSMUSGC	3024.955	-0.03853	0.113959	-0.33809	0.735293	0.938791	Anxa4
ENSMUSG0ENSMUSGC	2144.388	0.005063	0.096576	0.05243	0.958186	0.993017	Pcyox1
ENSMUSG0ENSMUSGC	869.8376	0.10132	0.135569	0.747372	0.454839	0.829446	Tgfa
ENSMUSG0ENSMUSGC	2915.066	-0.04878	0.089271	-0.54648	0.584738	0.893351	Dusp11
ENSMUSG0ENSMUSGC	10894.22	0.124403	0.079504	1.564729	0.117647	0.527358	Cct7
ENSMUSG0ENSMUSGC	705.3069	0.045405	0.097858	0.463993	0.642653	0.914852	Pradc1
ENSMUSG0ENSMUSGC	2677.586	0.149035	0.102381	1.455694	0.145477	0.575494	Zfp638
ENSMUSG0ENSMUSGC	1362.295	-0.01568	0.093537	-0.16765	0.866859	0.974473	Fbxl14
ENSMUSG0ENSMUSGC	393.1695	0.194019	0.11813	1.642424	0.100502	0.493641	Prickle2
ENSMUSG0ENSMUSGC	153.4536	0.106176	0.115778	0.917072	0.359105	0.776599	1700003E1
ENSMUSG0ENSMUSGC	166.6891	-0.15454	0.131916	-1.17153	0.241386	0.689436	Kbtbd8
ENSMUSG0ENSMUSGC	589.0369	-0.13198	0.118476	-1.11397	0.265293	0.708526	Wdr54
ENSMUSG0ENSMUSGC	392.2325	0.139573	0.100874	1.383637	0.16647	0.605329	Ino80b
ENSMUSG0ENSMUSGC	1805.876	-0.04796	0.086962	-0.55149	0.581299	0.892821	Wbp1
ENSMUSG0ENSMUSGC	3034.842	-0.37358	0.118598	-3.14992	0.001633	0.050185	Mogs
ENSMUSG0ENSMUSGC	1371.178	-0.02703	0.111229	-0.24306	0.807961	0.958353	Mrpl53

ENSMUSG0ENSMUSG0	794.8878	0.06655	0.134874	0.49342	0.621716	0.907988	Pole4
ENSMUSG0ENSMUSG0	716.6658	0.074324	0.082601	0.899791	0.368231	0.784139	Mrpl19
ENSMUSG0ENSMUSG0	342.4885	0.154901	0.097358	1.591044	0.1116	0.516713	Aplf
ENSMUSG0ENSMUSG0	555.348	0.143139	0.145999	0.980416	0.326881	0.754362	Rab43
ENSMUSG0ENSMUSG0	809.3909	0.072209	0.087584	0.824452	0.409683	0.803007	Isy1
ENSMUSG0ENSMUSG0	10655.51	-0.01911	0.051807	-0.3688	0.712274	0.935647	Cnbp
ENSMUSG0ENSMUSG0	14320.27	0.151614	0.070041	2.164627	0.030416	0.279438	Copg1
ENSMUSG0ENSMUSG0	1201.56	0.035907	0.129862	0.276506	0.78216	0.951937	Tmf1
ENSMUSG0ENSMUSG0	2157.892	0.178436	0.071559	2.493543	0.012648	0.174812	Hmces
ENSMUSG0ENSMUSG0	2009.415	0.153495	0.06408	2.395383	0.016603	0.202349	Uba3
ENSMUSG0ENSMUSG0	14224.23	0.057042	0.122405	0.466011	0.641208	0.914411	Rpn1
ENSMUSG0ENSMUSG0	535.1054	0.21305	0.12673	1.681137	0.092736	0.477855	Frmd4b
ENSMUSG0ENSMUSG0	1027.88	0.082197	0.122599	0.670449	0.502572	0.856225	Foxp1
ENSMUSG0ENSMUSG0	324.1077	0.032128	0.137142	0.234272	0.814774	0.959419	Cntn3
ENSMUSG0ENSMUSG0	901.1477	0.060457	0.127003	0.476024	0.634057	0.912412	Chl1
ENSMUSG0ENSMUSG0	1081.227	0.102056	0.081351	1.254519	0.209653	0.658575	Ruvbl1
ENSMUSG0ENSMUSG0	15681.87	0.018499	0.08768	0.210982	0.832902	0.964097	Sec61a1
ENSMUSG0ENSMUSG0	614.6331	-0.29657	0.130425	-2.27388	0.022973	0.241605	Abtb1
ENSMUSG0ENSMUSG0	404.9292	-0.14079	0.136854	-1.02879	0.303579	0.739759	Plxna1
ENSMUSG0ENSMUSG0	805.9403	0.101463	0.119605	0.848315	0.396262	0.797159	Chchd6
ENSMUSG0ENSMUSG0	113.4699	-0.04225	0.13332	-0.31689	0.751329	0.942829	Slc41a3
ENSMUSG0ENSMUSG0	1935.81	-0.33663	0.114174	-2.94841	0.003194	0.078629	Nup210
ENSMUSG0ENSMUSG0	373.3855	-0.23574	0.095418	-2.47063	0.013488	0.181194	Xpc
ENSMUSG0ENSMUSG0	1452.968	0.105947	0.086039	1.231387	0.218178	0.668743	Tmem43
ENSMUSG0ENSMUSG0	10474.23	0.07128	0.12589	0.566207	0.571253	0.889451	Slc6a6
ENSMUSG0ENSMUSG0	1715.47	0.034816	0.070153	0.496278	0.619698	0.907483	Sumf1
ENSMUSG0ENSMUSG0	709.2342	0.050847	0.142538	0.356725	0.721298	0.937077	Itpr1
ENSMUSG0ENSMUSG0	1361.524	-0.06288	0.111523	-0.56383	0.572869	0.889998	Bhlhe40
ENSMUSG0ENSMUSG0	6023.477	0.118018	0.111411	1.0593	0.289463	0.728999	Edem1
ENSMUSG0ENSMUSG0	6157.876	0.054483	0.110643	0.492426	0.622418	0.907988	Arl8b
ENSMUSG0ENSMUSG0	1007.031	0.082167	0.07259	1.131935	0.257662	0.702747	Usp18
ENSMUSG0ENSMUSG0	238.0727	-0.0844	0.143698	-0.58733	0.556985	0.882863	Slc6a12
ENSMUSG0ENSMUSG0	3447.602	-0.07828	0.141749	-0.55221	0.580801	0.892821	Ret
ENSMUSG0ENSMUSG0	8428.929	0.054745	0.068888	0.79469	0.426794	0.81459	Mlf2
ENSMUSG0ENSMUSG0	14338.97	-0.04297	0.082726	-0.51947	0.603431	0.900674	Ptms
ENSMUSG0ENSMUSG0	144.3403	0.299935	0.141463	2.120244	0.033985	0.297696	Plxnd1
ENSMUSG0ENSMUSG0	484.0668	0.050614	0.075784	0.667869	0.504217	0.856836	Tmcc1
ENSMUSG0ENSMUSG0	3530.257	-0.00733	0.07576	-0.09679	0.922897	0.985705	Cops7a
ENSMUSG0ENSMUSG0	70.80429	-0.16083	0.14402	-1.1167	0.264124	0.707241	Rasgef1a
ENSMUSG0ENSMUSG0	166.6979	0.182349	0.140214	1.300499	0.19343	0.639447	Tuba8
ENSMUSG0ENSMUSG0	1325.537	-0.00143	0.055427	-0.02585	0.979377	0.996602	Bms1
ENSMUSG0ENSMUSG0	302.2594	-0.09397	0.083754	-1.12197	0.261875	0.705507	Zfp248
ENSMUSG0ENSMUSG0	2087.626	-0.07028	0.119535	-0.58794	0.556572	0.882676	Gabarapl1
ENSMUSG0ENSMUSG0	348.47	-0.03051	0.083251	-0.36646	0.714024	0.935647	Rad52
ENSMUSG0ENSMUSG0	2968.394	0.055033	0.110586	0.497652	0.618729	0.907335	Adipor2
ENSMUSG0ENSMUSG0	1337.035	-0.00598	0.105683	-0.05658	0.954883	0.992605	Erc1
ENSMUSG0ENSMUSG0	454.5969	-0.10231	0.077233	-1.3247	0.18527	0.631891	Ccdc77
ENSMUSG0ENSMUSG0	1120.455	0.01524	0.117703	0.129482	0.896976	0.98034	Kdm5a
ENSMUSG0ENSMUSG0	372.6924	0.005856	0.129221	0.045314	0.963857	0.994356	Magohb
ENSMUSG0ENSMUSG0	4204.367	0.041862	0.075336	0.555669	0.578437	0.892225	Ybx3
ENSMUSG0ENSMUSG0	835.7345	-0.27337	0.100451	-2.72143	0.0065	0.120842	Etv6
ENSMUSG0ENSMUSG0	150.7394	-0.14844	0.143648	-1.03339	0.301421	0.739421	Bcl2l14

ENSMUSG0ENSMUSGC	1236.061	-0.09844	0.080477	-1.22318	0.221263	0.671829	Lrp6
ENSMUSG0ENSMUSGC	340.1235	-0.25193	0.139176	-1.81014	0.070275	0.42409	Dusp16
ENSMUSG0ENSMUSGC	1871.86	0.087623	0.071005	1.23403	0.217192	0.667997	Ddx47
ENSMUSG0ENSMUSGC	2207.093	-0.13729	0.067559	-2.03211	0.042143	0.33254	Fam234b
ENSMUSG0ENSMUSGC	97.47993	-0.08833	0.145964	-0.60516	0.545072	0.875467	Emp1
ENSMUSG0ENSMUSGC	917.5321	-0.07279	0.138288	-0.52633	0.59866	0.898722	Atf7ip
ENSMUSG0ENSMUSGC	3302.713	0.075172	0.075801	0.991693	0.321347	0.751563	Wbp11
ENSMUSG0ENSMUSGC	101.0267	-0.34494	0.142985	-2.41239	0.015848	0.197553	Rerg
ENSMUSG0ENSMUSGC	4399.065	0.159467	0.058351	2.7329	0.006278	0.118027	Strap
ENSMUSG0ENSMUSGC	453.7438	-0.09419	0.118457	-0.79512	0.426542	0.81459	Dera
ENSMUSG0ENSMUSGC	235.6886	0.063833	0.108622	0.587668	0.556755	0.882817	Pik3c2g
ENSMUSG0ENSMUSGC	890.3665	-0.04432	0.092432	-0.47945	0.631617	0.911457	Plekha5
ENSMUSG0ENSMUSGC	1480.642	-0.12355	0.115928	-1.06573	0.286544	0.726931	Aebp2
ENSMUSG0ENSMUSGC	2067.074	-0.11034	0.078788	-1.40045	0.16138	0.600918	Recql
ENSMUSG0ENSMUSGC	3532.538	0.068383	0.089941	0.760311	0.447069	0.824037	Golt1b
ENSMUSG0ENSMUSGC	413.1658	0.161027	0.131133	1.227969	0.219459	0.66975	Ldhd
ENSMUSG0ENSMUSGC	1294.143	-0.00146	0.077099	-0.01891	0.984914	0.997439	Rad18
ENSMUSG0ENSMUSGC	217.7677	-0.11757	0.141599	-0.83031	0.406365	0.801957	Sspn
ENSMUSG0ENSMUSGC	1387.897	0.033058	0.094253	0.350739	0.725784	0.938255	Bhlhe41
ENSMUSG0ENSMUSGC	50.63285	-0.19231	0.145947	-1.31768	0.187612	0.635227	Srgap3
ENSMUSG0ENSMUSGC	1272.574	0.211216	0.109836	1.923006	0.054479	0.37771	Rassf8
ENSMUSG0ENSMUSGC	56.91309	-0.12157	0.144366	-0.8421	0.39973	0.799703	Lrmp
ENSMUSG0ENSMUSGC	1003.194	0.008518	0.091307	0.09329	0.925673	0.985705	Thumpd3
ENSMUSG0ENSMUSGC	3994.361	-0.13161	0.100264	-1.31266	0.189299	0.637049	Kras
ENSMUSG0ENSMUSGC	1006.969	0.168021	0.132821	1.265016	0.205866	0.653818	Bcat1
ENSMUSG0ENSMUSGC	1182.173	-0.00108	0.079138	-0.0137	0.98907	0.998539	Mttr14
ENSMUSG0ENSMUSGC	389.0521	-0.13787	0.083193	-1.65717	0.097485	0.487796	Ogg1
ENSMUSG0ENSMUSGC	618.8535	-0.01059	0.098889	-0.10709	0.914715	0.984222	Camk1
ENSMUSG0ENSMUSGC	6624.975	0.14091	0.101077	1.39409	0.163291	0.602536	Etnk1
ENSMUSG0ENSMUSGC	199.5345	-0.15585	0.126946	-1.2277	0.219561	0.669909	Ttll3
ENSMUSG0ENSMUSGC	1893.303	0.046803	0.093215	0.5021	0.615597	0.906204	C2cd5
ENSMUSG0ENSMUSGC	917.6772	0.012874	0.119247	0.10796	0.914027	0.983954	Il17rc
ENSMUSG0ENSMUSGC	3071.208	0.079271	0.06741	1.175956	0.239612	0.688236	Cmas
ENSMUSG0ENSMUSGC	491.3513	0.03923	0.118394	0.33135	0.74038	0.940232	St8sia1
ENSMUSG0ENSMUSGC	1544.37	-0.2554	0.104467	-2.44477	0.014494	0.188652	Crelid1
ENSMUSG0ENSMUSGC	2622.956	0.024538	0.073893	0.332069	0.739837	0.940232	Emc3
ENSMUSG0ENSMUSGC	51.48462	0.023373	0.145638	0.160489	0.872496	0.975791	Itpr2
ENSMUSG0ENSMUSGC	684.406	0.061765	0.089634	0.689085	0.49077	0.852074	Med21
ENSMUSG0ENSMUSGC	4871.109	0.121602	0.060232	2.018887	0.043499	0.336878	Sec13
ENSMUSG0ENSMUSGC	1067.604	-0.09847	0.084097	-1.17094	0.241623	0.689436	Ccdc91
ENSMUSG0ENSMUSGC	942.8274	-0.03125	0.144984	-0.21555	0.829339	0.963218	Atp2b2
ENSMUSG0ENSMUSGC	89.68535	-0.05843	0.144423	-0.40454	0.685813	0.931173	Far2
ENSMUSG0ENSMUSGC	3039.41	0.060486	0.076974	0.785793	0.431989	0.816305	Ergic2
ENSMUSG0ENSMUSGC	2050.851	-0.11797	0.145988	-0.8081	0.419032	0.810945	Tmtc1
ENSMUSG0ENSMUSGC	509.8102	-0.02972	0.116312	-0.2555	0.798337	0.956402	Caprin2
ENSMUSG0ENSMUSGC	475.4072	-0.00063	0.119163	-0.00528	0.995784	0.998655	Dennd5b
ENSMUSG0ENSMUSGC	487.3339	0.07241	0.142147	0.5094	0.610472	0.90438	Atg7
ENSMUSG0ENSMUSGC	291.0048	-0.02503	0.102886	-0.24329	0.807783	0.958353	Vgll4
ENSMUSG0ENSMUSGC	618.1296	0.260144	0.077158	3.371588	0.000747	0.030833	Tamm41
ENSMUSG0ENSMUSGC	247.0116	0.458238	0.121124	3.783206	0.000155	0.011067	Cand2
ENSMUSG0ENSMUSGC	84.62484	0.028326	0.13288	0.213172	0.831193	0.963529	Efcab12
ENSMUSG0ENSMUSGC	364.997	-0.04641	0.112664	-0.4119	0.680416	0.928926	Mbd4

ENSMUSG0ENSMUSG0	871.8307	0.17315	0.122552	1.412868	0.157695	0.596629	Ift122
ENSMUSG0ENSMUSG0	3035.071	0.193069	0.055988	3.448425	0.000564	0.025812	Necap1
ENSMUSG0ENSMUSG0	1209.709	0.083949	0.082653	1.015689	0.309777	0.743963	Ing4
ENSMUSG0ENSMUSG0	2526.442	0.199612	0.100689	1.982456	0.047428	0.350714	Mrpl51
ENSMUSG0ENSMUSG0	472.4808	0.027415	0.085963	0.318911	0.749794	0.942353	Vamp1
ENSMUSG0ENSMUSG0	1851.452	-0.01193	0.102787	-0.11605	0.907614	0.982338	Ltbr
ENSMUSG0ENSMUSG0	64.19918	-0.24605	0.136894	-1.79738	0.072276	0.429142	Scnn1a
ENSMUSG0ENSMUSG0	2595.556	-0.00769	0.078664	-0.09779	0.922096	0.985705	Tnfrsf1a
ENSMUSG0ENSMUSG0	191.4191	0.237515	0.128371	1.850225	0.064281	0.408581	Cd9
ENSMUSG0ENSMUSG0	51.70684	-0.26884	0.141245	-1.90336	0.056993	0.385445	Akap3
ENSMUSG0ENSMUSG0	1668.781	-0.01157	0.121192	-0.09544	0.923964	0.985705	Rad51ap1
ENSMUSG0ENSMUSG0	1043.549	0.081408	0.100728	0.8082	0.418976	0.810945	D6Wsu163i
ENSMUSG0ENSMUSG0	621.8417	-0.07591	0.143456	-0.52916	0.596692	0.89784	Prmt8
ENSMUSG0ENSMUSG0	355.4355	-0.02984	0.135881	-0.21957	0.826207	0.962521	Tspan9
ENSMUSG0ENSMUSG0	8307.828	0.159243	0.057018	2.792866	0.005224	0.106292	Fkbp4
ENSMUSG0ENSMUSG0	5891.472	0.056931	0.072389	0.786468	0.431594	0.816305	Strn4
ENSMUSG0ENSMUSG0	335.2442	0.013593	0.146007	0.093099	0.925825	0.985705	Slc8a2
ENSMUSG0ENSMUSG0	275.3604	-0.05436	0.096847	-0.56129	0.574601	0.890536	Mzf1
ENSMUSG0ENSMUSG0	392.9806	-0.06406	0.100287	-0.63874	0.522991	0.867042	Zfp606
ENSMUSG0ENSMUSG0	320.4803	0.252777	0.115315	2.19206	0.028375	0.270077	Zik1
ENSMUSG0ENSMUSG0	1206.711	0.113244	0.08356	1.355244	0.17534	0.617729	Mark4
ENSMUSG0ENSMUSG0	934.7053	0.043103	0.093426	0.461363	0.644539	0.915184	Ercc2
ENSMUSG0ENSMUSG0	3316.851	-0.04942	0.092484	-0.53441	0.593061	0.895885	Rtn2
ENSMUSG0ENSMUSG0	2847.86	0.136991	0.112539	1.217282	0.223497	0.673577	Vasp
ENSMUSG0ENSMUSG0	1916.758	0.094531	0.144735	0.653131	0.513672	0.862378	Gipr
ENSMUSG0ENSMUSG0	1356.734	0.079962	0.098066	0.815392	0.414848	0.807961	Qpctl
ENSMUSG0ENSMUSG0	3950.082	0.368607	0.117015	3.150082	0.001632	0.050185	Dmpk
ENSMUSG0ENSMUSG0	2578.746	0.105442	0.091382	1.153864	0.248556	0.696015	Dmwd
ENSMUSG0ENSMUSG0	374.8701	0.015792	0.112677	0.140157	0.888536	0.978618	Nova2
ENSMUSG0ENSMUSG0	1494.014	0.145019	0.125805	1.152728	0.249022	0.696015	Pdcd5
ENSMUSG0ENSMUSG0	1477.695	0.014289	0.086389	0.165405	0.868625	0.974643	Uri1
ENSMUSG0ENSMUSG0	721.1448	0.160972	0.10063	1.599646	0.109677	0.512855	Pop4
ENSMUSG0ENSMUSG0	104.3345	-0.18102	0.116613	-1.55232	0.120585	0.533406	Zfp939
ENSMUSG0ENSMUSG0	8144.257	-0.00976	0.142088	-0.06872	0.945212	0.989671	Ttyh1
ENSMUSG0ENSMUSG0	500.4792	0.19647	0.130491	1.505623	0.132164	0.55486	Tmem238
ENSMUSG0ENSMUSG0	7332.091	0.217426	0.123316	1.76316	0.077874	0.442349	Rpl28
ENSMUSG0ENSMUSG0	6860.334	0.050651	0.065516	0.773105	0.43946	0.820656	U2af2
ENSMUSG0ENSMUSG0	104.7506	0.14081	0.130968	1.075144	0.28231	0.723398	Zfp583
ENSMUSG0ENSMUSG0	94.18213	-0.06976	0.123261	-0.56599	0.571403	0.889478	Zfp273
ENSMUSG0ENSMUSG0	2076.241	-0.03788	0.085593	-0.44254	0.658097	0.921545	Cyfp1
ENSMUSG0ENSMUSG0	3260.719	-0.15528	0.097064	-1.59978	0.109648	0.512855	Herc2
ENSMUSG0ENSMUSG0	1742.383	-0.06728	0.067841	-0.99181	0.321292	0.751563	Nipa2
ENSMUSG0ENSMUSG0	853.2006	-0.10867	0.113468	-0.95775	0.338188	0.76086	Psd3
ENSMUSG0ENSMUSG0	502.6059	-0.08533	0.118377	-0.72081	0.471027	0.840394	Zfp719
ENSMUSG0ENSMUSG0	1857.687	-0.1148	0.118846	-0.96592	0.334082	0.759008	Zdhhc13
ENSMUSG0ENSMUSG0	103.5796	-0.10247	0.127753	-0.80207	0.422514	0.812942	Zfp108
ENSMUSG0ENSMUSG0	409.4233	0.027835	0.102762	0.270869	0.786492	0.953593	Faap24
ENSMUSG0ENSMUSG0	1922.816	0.351641	0.110269	3.188928	0.001428	0.045448	Rhpn2
ENSMUSG0ENSMUSG0	1055.409	0.021441	0.122878	0.17449	0.86148	0.972861	Gas2
ENSMUSG0ENSMUSG0	499.7229	-0.1704	0.13755	-1.23881	0.215417	0.666547	Kctd15
ENSMUSG0ENSMUSG0	1493.713	-0.05828	0.084807	-0.68715	0.491988	0.852803	Prmt3
ENSMUSG0ENSMUSG0	529.2673	0.034848	0.097366	0.357906	0.720413	0.936474	Asb7

ENSMUSG0ENSMUSGC	1429.43	0.196437	0.10202	1.92548	0.054169	0.376342	Snrpa1
ENSMUSG0ENSMUSGC	1520.013	0.025912	0.056793	0.456254	0.648207	0.918345	Tarsl2
ENSMUSG0ENSMUSGC	4197.825	0.036148	0.112589	0.321066	0.748161	0.94212	Tjp1
ENSMUSG0ENSMUSGC	387.2143	-0.03173	0.121339	-0.2615	0.793703	0.955375	Fam189a1
ENSMUSG0ENSMUSGC	723.1287	-0.04824	0.140484	-0.34338	0.731316	0.938791	Apba2
ENSMUSG0ENSMUSGC	1042.925	-0.03377	0.099935	-0.33795	0.735399	0.938791	Mphosph10
ENSMUSG0ENSMUSGC	317.6857	-0.01241	0.089575	-0.1385	0.889842	0.978618	Mtmt10
ENSMUSG0ENSMUSGC	53.62816	-0.24047	0.13737	-1.75055	0.080023	0.447373	Chrna7
ENSMUSG0ENSMUSGC	797.684	0.058195	0.072338	0.804477	0.421122	0.812025	Crtc3
ENSMUSG0ENSMUSGC	1044.986	-0.00417	0.091057	-0.04582	0.963455	0.994289	Blm
ENSMUSG0ENSMUSGC	3523.349	-0.12043	0.12636	-0.95308	0.34055	0.763525	Furin
ENSMUSG0ENSMUSGC	452.3567	-0.05052	0.117941	-0.42836	0.66839	0.925067	Hddc3
ENSMUSG0ENSMUSGC	3220.922	0.056396	0.065714	0.858204	0.39078	0.794941	Unc45a
ENSMUSG0ENSMUSGC	718.3355	0.231422	0.089899	2.574245	0.010046	0.153467	Vps33b
ENSMUSG0ENSMUSGC	11337.57	0.06833	0.097989	0.697323	0.485601	0.848425	Iqgap1
ENSMUSG0ENSMUSGC	917.6666	0.007988	0.108145	0.07386	0.941122	0.988214	Cib1
ENSMUSG0ENSMUSGC	1314.543	-0.02303	0.088879	-0.25909	0.795569	0.955463	Sema4b
ENSMUSG0ENSMUSGC	7497.722	0.142917	0.067857	2.106149	0.035191	0.303239	Idh2
ENSMUSG0ENSMUSGC	190.4241	-0.04262	0.108656	-0.39225	0.694875	0.933115	Pex11a
ENSMUSG0ENSMUSGC	74.53879	-0.16281	0.142016	-1.14643	0.251617	0.697958	Synm
ENSMUSG0ENSMUSGC	38.09787	-0.30244	0.145153	-2.0836	0.037196	0.312509	Ttc23
ENSMUSG0ENSMUSGC	315.2206	-0.17228	0.108971	-1.58093	0.113893	0.520198	Lrrc28
ENSMUSG0ENSMUSGC	2050.473	-0.17212	0.112326	-1.53236	0.125435	0.541463	Mef2a
ENSMUSG0ENSMUSGC	58.437	0.000725	0.130559	0.005555	0.995568	0.998655	Cd22
ENSMUSG0ENSMUSGC	2268.265	0.090325	0.091259	0.989772	0.322285	0.751983	Sipa1l3
ENSMUSG0ENSMUSGC	424.8487	0.274623	0.105711	2.597865	0.009381	0.14804	Dpf1
ENSMUSG0ENSMUSGC	3703.56	0.070831	0.114544	0.61838	0.536325	0.872707	Yif1b
ENSMUSG0ENSMUSGC	701.1517	-0.05823	0.108838	-0.53502	0.592633	0.895885	Fam98c
ENSMUSG0ENSMUSGC	3936.521	0.171301	0.084034	2.038471	0.041503	0.330996	Psmd8
ENSMUSG0ENSMUSGC	947.4948	0.164547	0.08867	1.855716	0.063494	0.405313	Nfkbib
ENSMUSG0ENSMUSGC	186.6662	-0.02998	0.118436	-0.25314	0.800157	0.956574	Fbxo17
ENSMUSG0ENSMUSGC	436.6376	0.006588	0.10629	0.061982	0.950577	0.991523	Lrn1
ENSMUSG0ENSMUSGC	2172.592	0.089878	0.088948	1.010455	0.312277	0.746061	Pak4
ENSMUSG0ENSMUSGC	6274.846	0.139557	0.067699	2.06144	0.039261	0.321553	Psmd4
ENSMUSG0ENSMUSGC	497.4335	0.004887	0.091087	0.053652	0.957212	0.993011	Zfp626
ENSMUSG0ENSMUSGC	868.1181	-0.48918	0.132135	-3.70217	0.000214	0.01329	Mfge8
ENSMUSG0ENSMUSGC	1431.488	0.052803	0.111715	0.472657	0.636458	0.912525	Aen
ENSMUSG0ENSMUSGC	395.6826	-0.17613	0.084665	-2.08026	0.037502	0.314484	Det1
ENSMUSG0ENSMUSGC	1622.673	0.137089	0.10786	1.270997	0.20373	0.651964	Mrps11
ENSMUSG0ENSMUSGC	875.294	-0.05766	0.116346	-0.49561	0.620166	0.907694	Mrpl46
ENSMUSG0ENSMUSGC	513.7142	0.119042	0.108854	1.093589	0.274135	0.716676	Ccdc90b
ENSMUSG0ENSMUSGC	802.0738	0.07333	0.075481	0.971498	0.3313	0.757395	Tmem126b
ENSMUSG0ENSMUSGC	1426.805	0.175024	0.102452	1.708356	0.08757	0.46617	Tmem126a
ENSMUSG0ENSMUSGC	1399.013	-0.06774	0.077133	-0.8782	0.379837	0.790146	Eed
ENSMUSG0ENSMUSGC	231.2987	0.219819	0.133013	1.652615	0.098409	0.490347	Me3
ENSMUSG0ENSMUSGC	3744.46	0.188641	0.072629	2.597329	0.009395	0.148096	Zfand6
ENSMUSG0ENSMUSGC	883.6698	0.210865	0.12643	1.667833	0.095349	0.485498	Fah
ENSMUSG0ENSMUSGC	685.2519	0.14798	0.080602	1.835943	0.066366	0.413778	Ddias
ENSMUSG0ENSMUSGC	133.7136	-0.07931	0.144581	-0.54858	0.583291	0.892957	Rab30
ENSMUSG0ENSMUSGC	5571.224	0.062133	0.093118	0.667246	0.504615	0.857065	Ndufc2
ENSMUSG0ENSMUSGC	1043.837	0.090182	0.111897	0.805943	0.420276	0.811474	Anapc15
ENSMUSG0ENSMUSGC	1079.032	0.032671	0.11259	0.290174	0.771683	0.9493	Coq7

ENSMUSG0ENSMUSG0	56.21592	0.021358	0.086582	0.246675	0.805159	0.957779	Gm45837
ENSMUSG0ENSMUSG0	12321	-0.00228	0.064303	-0.03546	0.971713	0.995539	Arl6ip1
ENSMUSG0ENSMUSG0	2269.213	0.07764	0.12872	0.603168	0.546397	0.876372	Smg1
ENSMUSG0ENSMUSG0	1257.933	-0.04265	0.122681	-0.34763	0.728122	0.938587	Xylt1
ENSMUSG0ENSMUSG0	4209.672	0.032977	0.101104	0.326168	0.744298	0.940717	Nucb2
ENSMUSG0ENSMUSG0	3260.927	0.138946	0.121592	1.142716	0.253157	0.699018	Pik3c2a
ENSMUSG0ENSMUSG0	6591.551	0.06341	0.053811	1.17838	0.238645	0.687938	Ipo5
ENSMUSG0ENSMUSG0	3984.134	0.065609	0.092826	0.7068	0.479691	0.845691	1110004F1
ENSMUSG0ENSMUSG0	4606.67	-0.03079	0.099481	-0.30946	0.756973	0.945085	Pde3b
ENSMUSG0ENSMUSG0	75.7687	0.022771	0.13966	0.163044	0.870484	0.975254	Mylpf
ENSMUSG0ENSMUSG0	2570.69	0.011595	0.081147	0.14289	0.886377	0.977978	Kif22
ENSMUSG0ENSMUSG0	9046.196	0.026489	0.074973	0.35332	0.723848	0.937852	Maz
ENSMUSG0ENSMUSG0	219.3425	-0.0684	0.143531	-0.47653	0.6337	0.91238	Pagr1a
ENSMUSG0ENSMUSG0	1626.716	0.224125	0.1344	1.667596	0.095396	0.485498	Mvp
ENSMUSG0ENSMUSG0	3628.353	-0.07468	0.090031	-0.82948	0.406835	0.801957	Cdipt
ENSMUSG0ENSMUSG0	19833.44	0.194548	0.0808	2.407761	0.016051	0.198473	Sez6l2
ENSMUSG0ENSMUSG0	1459.193	-0.1163	0.134098	-0.86727	0.385794	0.792576	Kctd13
ENSMUSG0ENSMUSG0	6646.732	0.19571	0.083265	2.350447	0.018751	0.216061	Stard10
ENSMUSG0ENSMUSG0	2322.789	0.126564	0.080582	1.570626	0.116269	0.525543	Ino80e
ENSMUSG0ENSMUSG0	773.2416	0.103349	0.114897	0.899496	0.368389	0.784241	Fchsd2
ENSMUSG0ENSMUSG0	60087.27	-0.00055	0.145983	-0.00376	0.997	0.998971	Aldoa
ENSMUSG0ENSMUSG0	2699.19	0.111288	0.092907	1.197838	0.23098	0.68059	Ppp4c
ENSMUSG0ENSMUSG0	6355.074	0.132453	0.082989	1.596023	0.110484	0.514156	Rab6a
ENSMUSG0ENSMUSG0	1592.322	0.039549	0.105256	0.375743	0.707108	0.934791	Mrpl48
ENSMUSG0ENSMUSG0	242.1508	0.216659	0.115404	1.877405	0.060463	0.396567	Coro1a
ENSMUSG0ENSMUSG0	50.10176	0.161911	0.142831	1.13359	0.256966	0.702333	Dnajb13
ENSMUSG0ENSMUSG0	874.1976	0.013917	0.095182	0.146213	0.883754	0.97718	Sgf29
ENSMUSG0ENSMUSG0	1816.255	0.004945	0.092756	0.053315	0.957481	0.993011	Nupr1
ENSMUSG0ENSMUSG0	4566.508	-0.10106	0.09313	-1.08512	0.277871	0.719825	Ppme1
ENSMUSG0ENSMUSG0	866.1183	8.04E-05	0.13123	0.000613	0.999511	0.99966	Cln3
ENSMUSG0ENSMUSG0	453.5053	0.028682	0.106747	0.268694	0.788165	0.954285	Nfatc2ip
ENSMUSG0ENSMUSG0	151.3054	-0.09156	0.131194	-0.69792	0.485228	0.848425	Lipt2
ENSMUSG0ENSMUSG0	2495.018	0.06909	0.092053	0.750546	0.452926	0.827496	Pold3
ENSMUSG0ENSMUSG0	687.6246	0.0037	0.078804	0.046946	0.962556	0.994289	Rabep2
ENSMUSG0ENSMUSG0	784.1276	-0.20211	0.127569	-1.58431	0.113123	0.518563	Pgm2l1
ENSMUSG0ENSMUSG0	1048.73	0.22179	0.091379	2.427131	0.015219	0.193453	Syt3
ENSMUSG0ENSMUSG0	1959.389	0.017142	0.095112	0.180235	0.856968	0.971767	Sh2b1
ENSMUSG0ENSMUSG0	10342.83	0.046988	0.094413	0.497682	0.618708	0.907335	Eif3c
ENSMUSG0ENSMUSG0	496.1424	0.108809	0.105773	1.028696	0.303622	0.739759	Myh14
ENSMUSG0ENSMUSG0	1765.288	-0.01008	0.103924	-0.09698	0.922745	0.985705	Spns1
ENSMUSG0ENSMUSG0	16684.21	0.083463	0.117401	0.710922	0.477132	0.843045	Rps3
ENSMUSG0ENSMUSG0	574.3165	0.007912	0.08744	0.09049	0.927898	0.985705	Dgat2
ENSMUSG0ENSMUSG0	320.2313	0.069461	0.119349	0.581998	0.560568	0.884247	Il4ra
ENSMUSG0ENSMUSG0	1364.099	0.000616	0.131293	0.004691	0.996257	0.998798	Nsmce1
ENSMUSG0ENSMUSG0	4842.758	0.153659	0.078573	1.955605	0.050512	0.363344	Psma1
ENSMUSG0ENSMUSG0	276.2388	-0.08186	0.090981	-0.89972	0.368272	0.784139	Kdm8
ENSMUSG0ENSMUSG0	2800.22	0.058277	0.103582	0.562621	0.573693	0.890266	Thap12
ENSMUSG0ENSMUSG0	6907.353	0.11697	0.071473	1.63656	0.101723	0.497207	Copb1
ENSMUSG0ENSMUSG0	483.5083	-0.17618	0.100408	-1.75467	0.079316	0.44547	Zkscan2
ENSMUSG0ENSMUSG0	2110.81	0.086459	0.112003	0.771929	0.440156	0.821154	Far1
ENSMUSG0ENSMUSG0	436.0791	-0.01188	0.119099	-0.09973	0.920561	0.985705	Acer3
ENSMUSG0ENSMUSG0	571.3334	-0.07929	0.104958	-0.75542	0.45	0.825802	Myo7a

ENSMUSG0ENSMUSGC	1248.488	0.236017	0.104866	2.250663	0.024407	0.249486	Lcmt1
ENSMUSG0ENSMUSGC	899.0907	0.126397	0.105898	1.193576	0.232644	0.682307	Arhgap17
ENSMUSG0ENSMUSGC	270.6094	0.062549	0.117863	0.530692	0.595632	0.896811	Disp1
ENSMUSG0ENSMUSGC	5471.442	-0.09997	0.068387	-1.46186	0.143779	0.573359	Parva
ENSMUSG0ENSMUSGC	172.3421	-0.10156	0.145427	-0.69836	0.484954	0.848425	Micalcl
ENSMUSG0ENSMUSGC	1653.357	-0.26729	0.085678	-3.1197	0.00181	0.053068	Pak1
ENSMUSG0ENSMUSGC	2824.853	0.060827	0.068907	0.882744	0.377374	0.788723	Rbbp6
ENSMUSG0ENSMUSGC	1372.852	-0.28546	0.074777	-3.81756	0.000135	0.010041	BC017158
ENSMUSG0ENSMUSGC	359.7904	-0.07219	0.141464	-0.51032	0.609825	0.904019	Cox6a2
ENSMUSG0ENSMUSGC	193.4287	-0.08117	0.132522	-0.61248	0.540221	0.873794	Lyve1
ENSMUSG0ENSMUSGC	3093.827	-0.03938	0.08742	-0.45049	0.652355	0.919812	Rnf141
ENSMUSG0ENSMUSGC	268.7321	-0.04659	0.099767	-0.46698	0.640512	0.914324	Adm
ENSMUSG0ENSMUSGC	49.94848	0.005803	0.091316	0.06355	0.949329	0.991149	Pycard
ENSMUSG0ENSMUSGC	7606.933	-0.04086	0.130477	-0.31317	0.75415	0.943986	Fus
ENSMUSG0ENSMUSGC	119.0877	0.228618	0.131718	1.735669	0.082622	0.454149	Prss8
ENSMUSG0ENSMUSGC	750.7266	-0.00069	0.071321	-0.00968	0.992276	0.998539	Kat8
ENSMUSG0ENSMUSGC	3259.284	-0.01964	0.090189	-0.21779	0.827593	0.962789	Bckdk
ENSMUSG0ENSMUSGC	937.9252	0.064876	0.074984	0.865202	0.386928	0.792934	Stx4a
ENSMUSG0ENSMUSGC	200.2355	0.051184	0.145551	0.351659	0.725094	0.938024	Stx1b
ENSMUSG0ENSMUSGC	1000.74	-0.02382	0.073018	-0.32628	0.744211	0.940717	Fbxl19
ENSMUSG0ENSMUSGC	1235.804	0.10922	0.119261	0.915808	0.359768	0.777277	Bcl7c
ENSMUSG0ENSMUSGC	838.8067	0.065283	0.086239	0.757	0.44905	0.825078	Phkg2
ENSMUSG0ENSMUSGC	2137.72	-0.05	0.090731	-0.55105	0.5816	0.892874	Rnf40
ENSMUSG0ENSMUSGC	1717.022	0.177471	0.082643	2.147436	0.031759	0.286086	Prr14
ENSMUSG0ENSMUSGC	210.4443	-0.07135	0.115409	-0.61825	0.536408	0.872707	9130019O2
ENSMUSG0ENSMUSGC	9185.058	-0.12791	0.079108	-1.61685	0.105912	0.504893	Nucb1
ENSMUSG0ENSMUSGC	508.912	0.260055	0.09773	2.660962	0.007792	0.133762	Bcat2
ENSMUSG0ENSMUSGC	78.21183	-0.07427	0.144738	-0.51312	0.607866	0.903741	Itgal
ENSMUSG0ENSMUSGC	6510.325	0.059796	0.057951	1.031841	0.302147	0.739759	Nomo1
ENSMUSG0ENSMUSGC	702.6439	-0.06037	0.140278	-0.43036	0.666937	0.925067	Ush1c
ENSMUSG0ENSMUSGC	468.8883	0.077673	0.113257	0.68581	0.492833	0.852803	Sergef
ENSMUSG0ENSMUSGC	3318.636	0.049559	0.097814	0.506669	0.612387	0.904906	Lamtor1
ENSMUSG0ENSMUSGC	425.2773	-0.1821	0.129055	-1.41104	0.158233	0.59683	Rgs10
ENSMUSG0ENSMUSGC	3748.081	-0.00436	0.060548	-0.07194	0.942648	0.988829	Tial1
ENSMUSG0ENSMUSGC	1508.126	0.183179	0.086968	2.106278	0.03518	0.303239	Bag3
ENSMUSG0ENSMUSGC	2802.375	0.088053	0.120614	0.730038	0.465367	0.836748	Fgfr2
ENSMUSG0ENSMUSGC	2454.159	0.069283	0.090564	0.765019	0.44426	0.823181	Ate1
ENSMUSG0ENSMUSGC	4610.905	-0.01316	0.145338	-0.09056	0.927843	0.985705	Tacc2
ENSMUSG0ENSMUSGC	165.1552	-0.50305	0.132921	-3.7846	0.000154	0.011067	Ptpn5
ENSMUSG0ENSMUSGC	2010.162	0.266577	0.080912	3.294649	0.000985	0.036349	Acadslb
ENSMUSG0ENSMUSGC	3715.513	0.074369	0.074191	1.002397	0.316152	0.749026	Plk1
ENSMUSG0ENSMUSGC	2299.212	0.010028	0.071896	0.139475	0.889075	0.978618	Dctn5
ENSMUSG0ENSMUSGC	3562.93	0.157085	0.100312	1.565968	0.117356	0.527116	Ndufab1
ENSMUSG0ENSMUSGC	2751.31	0.239083	0.05467	4.373171	1.22E-05	0.00167	Ubfd1
ENSMUSG0ENSMUSGC	282.9819	-0.13067	0.112961	-1.15674	0.247377	0.695372	Ears2
ENSMUSG0ENSMUSGC	3325.78	-0.22287	0.094906	-2.34835	0.018857	0.216061	Gga2
ENSMUSG0ENSMUSGC	2202.202	0.023977	0.145268	0.165051	0.868904	0.974861	Scnn1b
ENSMUSG0ENSMUSGC	3355.019	-0.10281	0.056709	-1.81293	0.069843	0.423396	Mettl9
ENSMUSG0ENSMUSGC	2816.665	0.17629	0.103588	1.701832	0.088787	0.469467	Cdr2
ENSMUSG0ENSMUSGC	2669.593	0.090884	0.111661	0.813921	0.41569	0.80834	Mrpl17
ENSMUSG0ENSMUSGC	622.1485	-0.10876	0.075855	-1.4338	0.151628	0.586632	Polr3e
ENSMUSG0ENSMUSGC	3802.976	0.097482	0.077731	1.254091	0.209809	0.658647	Arfip2

ENSMUSG0ENSMUSG0	55.42117	0.005356	0.145789	0.036741	0.970691	0.995539	Dnhd1
ENSMUSG0ENSMUSG0	5968.382	0.135884	0.0601	2.26097	0.023761	0.245832	Uqcrc2
ENSMUSG0ENSMUSG0	788.5163	-0.12069	0.072802	-1.65777	0.097364	0.487623	Rrp8
ENSMUSG0ENSMUSG0	4126.505	0.085425	0.058851	1.451558	0.146625	0.57781	Ilk
ENSMUSG0ENSMUSG0	3549.24	-0.24593	0.140464	-1.75085	0.079972	0.447373	Tpp1
ENSMUSG0ENSMUSG0	954.3972	-0.07243	0.130671	-0.55426	0.579401	0.892779	Cckbr
ENSMUSG0ENSMUSG0	309.6194	-0.04643	0.11729	-0.39585	0.692213	0.931991	Anks4b
ENSMUSG0ENSMUSG0	329.1192	0.024801	0.138377	0.17923	0.857757	0.971994	Tmem159
ENSMUSG0ENSMUSG0	129.2929	0.096449	0.138681	0.69547	0.486761	0.849658	Lymr1
ENSMUSG0ENSMUSG0	480.4834	0.197736	0.133462	1.481584	0.138451	0.56631	Rexo5
ENSMUSG0ENSMUSG0	1451.597	0.010198	0.088558	0.115161	0.908318	0.98248	Eri2
ENSMUSG0ENSMUSG0	44.55795	-0.09892	0.145795	-0.67851	0.497449	0.853814	Chst15
ENSMUSG0ENSMUSG0	3844.715	-0.31215	0.096211	-3.24441	0.001177	0.040547	Oat
ENSMUSG0ENSMUSG0	1454.853	-0.07367	0.07382	-0.99797	0.318292	0.75003	Thumpd1
ENSMUSG0ENSMUSG0	39.18479	0.121854	0.145517	0.837383	0.402377	0.799981	Acsm2
ENSMUSG0ENSMUSG0	1655.729	-0.20287	0.0688	-2.94872	0.003191	0.078629	Lhpp
ENSMUSG0ENSMUSG0	301.0089	-0.19503	0.131636	-1.48158	0.138453	0.56631	Fam53b
ENSMUSG0ENSMUSG0	628.6532	0.105143	0.126191	0.833211	0.404726	0.800908	Eef1akmt2
ENSMUSG0ENSMUSG0	1343.437	0.057442	0.06482	0.886181	0.37552	0.78793	Abraxas2
ENSMUSG0ENSMUSG0	139.8495	-0.16612	0.117994	-1.40788	0.159167	0.596842	Trim21
ENSMUSG0ENSMUSG0	2411.981	0.140821	0.059314	2.374146	0.01759	0.207154	Zranb1
ENSMUSG0ENSMUSG0	112.2759	-0.24933	0.113052	-2.20543	0.027424	0.264293	Ctbp2
ENSMUSG0ENSMUSG0	10675.98	0.080898	0.073947	1.093999	0.273956	0.716676	Rrm1
ENSMUSG0ENSMUSG0	922.2788	-0.02901	0.084375	-0.34388	0.730939	0.938791	Uros
ENSMUSG0ENSMUSG0	1777.267	-0.29762	0.065429	-4.54869	5.40E-06	0.001046	Knop1
ENSMUSG0ENSMUSG0	3244.914	0.093764	0.087232	1.074876	0.28243	0.723504	9030624J0
ENSMUSG0ENSMUSG0	2039.782	0.177587	0.107137	1.657572	0.097404	0.48764	Bccip
ENSMUSG0ENSMUSG0	2604.801	-0.10757	0.085912	-1.25204	0.210555	0.659576	Dhx32
ENSMUSG0ENSMUSG0	2396.718	-0.1178	0.078275	-1.50497	0.132332	0.555028	Stim1
ENSMUSG0ENSMUSG0	515.5316	0.066444	0.102106	0.650733	0.515219	0.862902	Pgap2
ENSMUSG0ENSMUSG0	20010.56	-0.01829	0.10648	-0.1718	0.863595	0.973533	Mki67
ENSMUSG0ENSMUSG0	20550.94	0.065456	0.10862	0.602609	0.546769	0.876524	Atp6ap2
ENSMUSG0ENSMUSG0	7997.819	0.081634	0.102078	0.799716	0.423875	0.813996	Usp9x
ENSMUSG0ENSMUSG0	1845.577	-0.0397	0.07947	-0.4996	0.617354	0.907005	Cask
ENSMUSG0ENSMUSG0	295.7697	-0.03642	0.136891	-0.26602	0.790226	0.954487	Swap70
ENSMUSG0ENSMUSG0	1240.277	0.170557	0.084088	2.028313	0.042528	0.333069	Wee1
ENSMUSG0ENSMUSG0	2314.976	0.095127	0.103797	0.916469	0.359421	0.777156	Tmem9b
ENSMUSG0ENSMUSG0	585.8285	0.00615	0.133474	0.046074	0.963252	0.994289	Akip1
ENSMUSG0ENSMUSG0	1268.795	0.182624	0.075576	2.416442	0.015673	0.19653	St5
ENSMUSG0ENSMUSG0	5032.254	0.078602	0.092077	0.853656	0.393296	0.795486	Eif3f
ENSMUSG0ENSMUSG0	5057.936	0.14338	0.100802	1.422391	0.154913	0.592119	Ndufb11
ENSMUSG0ENSMUSG0	3302.107	-0.05587	0.052538	-1.06336	0.28762	0.727908	Rbm10
ENSMUSG0ENSMUSG0	7290.469	0.039125	0.058978	0.663387	0.507083	0.85875	Cdk16
ENSMUSG0ENSMUSG0	1427.904	0.250947	0.143117	1.753441	0.079526	0.446275	Usp11
ENSMUSG0ENSMUSG0	3126.163	0.107074	0.0876	1.222297	0.221595	0.671975	Glr3
ENSMUSG0ENSMUSG0	676.4956	-0.1555	0.080013	-1.94348	0.051958	0.369215	Oraov1
ENSMUSG0ENSMUSG0	630.985	-0.01235	0.087799	-0.1407	0.888107	0.978595	Fadd
ENSMUSG0ENSMUSG0	4515.066	0.005832	0.082799	0.070438	0.943845	0.98915	Cttn
ENSMUSG0ENSMUSG0	70.118	-0.02701	0.139478	-0.19363	0.846465	0.968351	Zfp300
ENSMUSG0ENSMUSG0	384.2157	-0.10439	0.087888	-1.1878	0.23491	0.68322	Nadsyn1
ENSMUSG0ENSMUSG0	1655.996	0.119171	0.100148	1.189951	0.234066	0.68322	Dock11
ENSMUSG0ENSMUSG0	1594.327	0.206166	0.098256	2.098263	0.035882	0.306225	Cul4b

ENSMUSG0ENSMUSGC	280.5299	0.24494	0.142772	1.715599	0.086236	0.462936	Smarca1
ENSMUSG0ENSMUSGC	680.0989	-0.20622	0.091057	-2.26475	0.023528	0.244761	Elf4
ENSMUSG0ENSMUSGC	599.5892	0.25364	0.094768	2.676424	0.007441	0.13105	Slc25a14
ENSMUSG0ENSMUSGC	994.0648	0.116761	0.084145	1.387619	0.165253	0.604469	RbmX2
ENSMUSG0ENSMUSGC	570.4279	-0.03997	0.104212	-0.3835	0.701349	0.934077	Enox2
ENSMUSG0ENSMUSGC	5537.406	-0.31352	0.077683	-4.03597	5.44E-05	0.005119	Igsf1
ENSMUSG0ENSMUSGC	730.7146	0.162191	0.142312	1.139687	0.254417	0.700275	Stk26
ENSMUSG0ENSMUSGC	634.2271	-0.29405	0.109705	-2.68035	0.007355	0.13024	Gpc4
ENSMUSG0ENSMUSGC	74.3937	-0.22848	0.130108	-1.7561	0.079071	0.445187	Slc9a9
ENSMUSG0ENSMUSGC	1575.359	-0.02912	0.126788	-0.22964	0.818371	0.959879	RbmX
ENSMUSG0ENSMUSGC	36.57201	-0.25942	0.145964	-1.77726	0.075526	0.436845	Fgf13
ENSMUSG0ENSMUSGC	54.49387	-0.1846	0.144366	-1.27872	0.200995	0.648578	F9
ENSMUSG0ENSMUSGC	1291.238	0.06962	0.106552	0.653389	0.513505	0.862295	Ccdc22
ENSMUSG0ENSMUSGC	14514.71	0.14703	0.055307	2.658455	0.00785	0.134441	Syp
ENSMUSG0ENSMUSGC	50.88638	-0.09113	0.144344	-0.63134	0.52782	0.868933	Prickle3
ENSMUSG0ENSMUSGC	4521.63	0.146764	0.077403	1.896111	0.057945	0.388443	Plp2
ENSMUSG0ENSMUSGC	1560.866	0.109125	0.073328	1.488184	0.136702	0.563112	Gpkow
ENSMUSG0ENSMUSGC	1447.434	0.16516	0.087573	1.88597	0.059299	0.392679	Praf2
ENSMUSG0ENSMUSGC	529.0957	0.057553	0.104625	0.550087	0.58226	0.892926	Ccdc120
ENSMUSG0ENSMUSGC	2292.458	0.045047	0.071452	0.630455	0.528397	0.869274	Gripap1
ENSMUSG0ENSMUSGC	2398.265	0.060234	0.080728	0.746135	0.455586	0.829671	Otud5
ENSMUSG0ENSMUSGC	2316.851	0.373631	0.107884	3.463259	0.000534	0.02477	Pim2
ENSMUSG0ENSMUSGC	901.4914	0.268955	0.11883	2.263354	0.023614	0.245258	Slc35a2
ENSMUSG0ENSMUSGC	2346.707	0.22934	0.078636	2.91648	0.00354	0.084334	Pqbp1
ENSMUSG0ENSMUSGC	1841.574	0.213061	0.099425	2.142945	0.032117	0.287421	Timm17b
ENSMUSG0ENSMUSGC	4110.791	0.029455	0.096168	0.306284	0.759388	0.945578	Hdac6
ENSMUSG0ENSMUSGC	2023.253	-0.08673	0.096298	-0.90063	0.367786	0.783958	Wdr13
ENSMUSG0ENSMUSGC	7547.179	0.012395	0.138464	0.08952	0.928668	0.985705	Rbm3
ENSMUSG0ENSMUSGC	2311.554	0.07246	0.088574	0.818072	0.413316	0.807129	Ebp
ENSMUSG0ENSMUSGC	182.6119	-0.29489	0.116079	-2.54046	0.011071	0.163336	Porcn
ENSMUSG0ENSMUSGC	325.7971	0.056941	0.117469	0.484733	0.627866	0.910398	Slc38a5
ENSMUSG0ENSMUSGC	923.4781	0.060856	0.079759	0.763003	0.445461	0.82397	Ftsj1
ENSMUSG0ENSMUSGC	2962.825	-0.28459	0.081581	-3.48843	0.000486	0.023531	Dynlt3
ENSMUSG0ENSMUSGC	301.8029	-0.10966	0.145813	-0.75203	0.452035	0.82718	Aff2
ENSMUSG0ENSMUSGC	181.6226	-0.23132	0.139306	-1.66055	0.096804	0.486645	F8
ENSMUSG0ENSMUSGC	3536.862	0.103185	0.086781	1.189025	0.23443	0.68322	Vbp1
ENSMUSG0ENSMUSGC	2562.139	0.141608	0.078206	1.810707	0.070186	0.42398	Fundc2
ENSMUSG0ENSMUSGC	195.4094	0.043109	0.12018	0.358706	0.719815	0.936421	Mtcp1
ENSMUSG0ENSMUSGC	1629.021	-0.00299	0.105573	-0.02833	0.977402	0.996394	Brcc3
ENSMUSG0ENSMUSGC	1471.025	-0.06151	0.123204	-0.49926	0.617598	0.907005	Rab39b
ENSMUSG0ENSMUSGC	926.2793	0.031384	0.088728	0.353706	0.723559	0.937852	Msn
ENSMUSG0ENSMUSGC	167.4262	0.092561	0.119954	0.77164	0.440328	0.821186	Pgr15l
ENSMUSG0ENSMUSGC	233.4426	0.047521	0.138742	0.342516	0.731963	0.938791	Ophn1
ENSMUSG0ENSMUSGC	126.222	0.133563	0.144122	0.926735	0.354064	0.774327	Stard8
ENSMUSG0ENSMUSGC	254.6017	-0.19645	0.118008	-1.6647	0.095972	0.48614	Efnb1
ENSMUSG0ENSMUSGC	1111.823	0.089392	0.093742	0.95359	0.340291	0.763413	Igfbp1
ENSMUSG0ENSMUSGC	1749.043	0.15307	0.093612	1.635147	0.102018	0.497875	Pbdc1
ENSMUSG0ENSMUSGC	1505.8	0.197631	0.121099	1.631983	0.102683	0.499227	Magee1
ENSMUSG0ENSMUSGC	3277.312	-0.01998	0.127341	-0.15688	0.875338	0.97593	Atrx
ENSMUSG0ENSMUSGC	4090.946	0.211664	0.110179	1.921098	0.054719	0.378393	Cox7b
ENSMUSG0ENSMUSGC	3392.276	0.307399	0.1172	2.622867	0.008719	0.141566	Magt1
ENSMUSG0ENSMUSGC	236.3184	0.188237	0.127579	1.475458	0.140089	0.570385	Itm2a

ENSMUSG0ENSMUSGC	1109.232	-0.02984	0.091194	-0.32719	0.743527	0.940717	2610002M
ENSMUSG0ENSMUSGC	963.0125	0.087552	0.089714	0.9759	0.329114	0.755758	Hmgn5
ENSMUSG0ENSMUSGC	2140.513	-0.00434	0.123282	-0.03522	0.9719	0.995539	Sh3bgrl
ENSMUSG0ENSMUSGC	8192.644	-0.16141	0.107009	-1.50841	0.131449	0.552715	Sytl4
ENSMUSG0ENSMUSGC	3470.681	-0.04849	0.077558	-0.62526	0.531799	0.870719	Cstf2
ENSMUSG0ENSMUSGC	1481.216	0.056766	0.079997	0.709604	0.47795	0.843734	Cenpi
ENSMUSG0ENSMUSGC	581.615	0.030451	0.125448	0.242738	0.808208	0.958353	Gla
ENSMUSG0ENSMUSGC	2312.179	0.229709	0.107506	2.136713	0.032621	0.289577	Acsl4
ENSMUSG0ENSMUSGC	994.4035	0.055482	0.128628	0.431341	0.66622	0.925067	Pak3
ENSMUSG0ENSMUSGC	8434.613	0.046485	0.128922	0.36057	0.718421	0.935997	Dcx
ENSMUSG0ENSMUSGC	98.21292	0.006768	0.129911	0.052094	0.958454	0.993152	Glt28d2
ENSMUSG0ENSMUSGC	423.711	0.02657	0.126521	0.210006	0.833663	0.964464	Lrch2
ENSMUSG0ENSMUSGC	708.2853	-0.00807	0.103774	-0.07775	0.938028	0.9876	Cdkl5
ENSMUSG0ENSMUSGC	665.1537	-0.01975	0.076357	-0.25863	0.795921	0.955463	Phka2
ENSMUSG0ENSMUSGC	285.6795	0.015577	0.115722	0.134605	0.892924	0.979424	Slc7a3
ENSMUSG0ENSMUSGC	3718.775	0.212202	0.071454	2.969762	0.00298	0.074883	Pdha1
ENSMUSG0ENSMUSGC	2349.931	-0.00959	0.135676	-0.07067	0.943662	0.989095	Map3k15
ENSMUSG0ENSMUSGC	1939.198	-0.05974	0.085908	-0.69545	0.486772	0.849658	Rps6ka3
ENSMUSG0ENSMUSGC	1824.861	0.048839	0.099631	0.490202	0.623991	0.907988	Zmym3
ENSMUSG0ENSMUSGC	12376.91	-0.02192	0.048381	-0.45299	0.650556	0.918867	Nono
ENSMUSG0ENSMUSGC	3159.873	0.065946	0.109232	0.603729	0.546024	0.876016	Taf1
ENSMUSG0ENSMUSGC	18339.85	0.121736	0.10604	1.148016	0.250962	0.697569	Rps4x
ENSMUSG0ENSMUSGC	50.73364	-0.35517	0.145939	-2.43368	0.014946	0.191436	Dmrtc1a
ENSMUSG0ENSMUSGC	5156.122	-0.24063	0.09874	-2.43702	0.014809	0.190903	Chic1
ENSMUSG0ENSMUSGC	4511.262	-0.01873	0.079034	-0.23693	0.81271	0.958741	Flna
ENSMUSG0ENSMUSGC	1344.105	-0.18319	0.080632	-2.27196	0.023089	0.242255	Abcb7
ENSMUSG0ENSMUSGC	250.9383	0.155774	0.120184	1.296122	0.194933	0.64053	Mtm1
ENSMUSG0ENSMUSGC	181.9724	0.29174	0.145477	2.005407	0.04492	0.342308	Gpm6b
ENSMUSG0ENSMUSGC	46.63068	-0.19078	0.145439	-1.31176	0.189602	0.637324	Gabra3
ENSMUSG0ENSMUSGC	708.8202	-0.12426	0.125254	-0.99208	0.321156	0.751482	Gabrq
ENSMUSG0ENSMUSGC	1546.266	0.122526	0.093551	1.309731	0.190287	0.637983	Cetn2
ENSMUSG0ENSMUSGC	1094.213	0.38881	0.103096	3.771327	0.000162	0.011424	Nsdhl
ENSMUSG0ENSMUSGC	3544.86	0.293441	0.087408	3.357128	0.000788	0.031805	Zfp185
ENSMUSG0ENSMUSGC	1236.662	0.035159	0.070978	0.495344	0.620357	0.907694	Hccs
ENSMUSG0ENSMUSGC	9174.849	0.027088	0.06618	0.409302	0.682318	0.930004	Rbbp7
ENSMUSG0ENSMUSGC	81.4744	0.230047	0.139817	1.64535	0.099898	0.493095	Arhgap6
ENSMUSG0ENSMUSGC	1660.67	0.011135	0.071788	0.155116	0.87673	0.976116	Syap1
ENSMUSG0ENSMUSGC	1317.477	0.042946	0.075102	0.571835	0.567434	0.888146	Msl3
ENSMUSG0ENSMUSGC	1720.426	0.123001	0.092682	1.327136	0.184464	0.631891	Ctps2
ENSMUSG0ENSMUSGC	1715.244	0.135976	0.101901	1.334399	0.182073	0.628217	Zfp275
ENSMUSG0ENSMUSGC	8298.385	0.053866	0.076345	0.70557	0.480456	0.846258	Ap1s2
ENSMUSG0ENSMUSGC	1461.901	-0.0567	0.067277	-0.84286	0.399309	0.799635	Zrsr2
ENSMUSG0ENSMUSGC	869.0834	0.377655	0.123884	3.048455	0.0023	0.063006	Haus7
ENSMUSG0ENSMUSGC	747.9131	0.035097	0.105121	0.333869	0.738478	0.940125	Car5b
ENSMUSG0ENSMUSGC	261.0164	-0.20282	0.129903	-1.56132	0.118448	0.528824	Zfp92
ENSMUSG0ENSMUSGC	887.6049	0.084842	0.093285	0.909491	0.363091	0.780897	Abcd1
ENSMUSG0ENSMUSGC	585.4002	0.013029	0.096566	0.134923	0.892673	0.979424	Pir
ENSMUSG0ENSMUSGC	108.3611	-0.06925	0.137354	-0.50418	0.614138	0.905841	Vegfd
ENSMUSG0ENSMUSGC	744.8978	-0.02923	0.117802	-0.24812	0.804044	0.957462	Piga
ENSMUSG0ENSMUSGC	4458.071	-0.01401	0.072511	-0.19317	0.846828	0.968351	Hcfc1
ENSMUSG0ENSMUSGC	1481.979	0.086416	0.135511	0.637704	0.523666	0.867391	Renbp
ENSMUSG0ENSMUSGC	1600.367	0.113574	0.107856	1.053011	0.292336	0.732387	Naa10

ENSMUSG0ENSMUSGC	501.0173	-0.36435	0.132025	-2.75973	0.005785	0.114003	L1cam
ENSMUSG0ENSMUSGC	4702.326	-0.09811	0.066406	-1.47736	0.139578	0.568997	Irak1
ENSMUSG0ENSMUSGC	2373.423	0.05722	0.080167	0.71376	0.475376	0.842415	Mecp2
ENSMUSG0ENSMUSGC	704.7541	0.019232	0.07751	0.248126	0.804037	0.957462	Plxna3
ENSMUSG0ENSMUSGC	1380.896	-0.08012	0.067615	-1.18489	0.236063	0.684925	Fam3a
ENSMUSG0ENSMUSGC	2298.877	0.073872	0.065331	1.130738	0.258165	0.702822	G6pdx
ENSMUSG0ENSMUSGC	794.2048	-0.03286	0.111574	-0.29451	0.768372	0.948979	Mpp1
ENSMUSG0ENSMUSGC	940.0882	0.026846	0.080695	0.332682	0.739374	0.940232	Dkc1
ENSMUSG0ENSMUSGC	18430.24	0.176399	0.060655	2.908221	0.003635	0.085693	Morf4l2
ENSMUSG0ENSMUSGC	105.4804	0.115915	0.144596	0.801652	0.422754	0.812942	Plp1
ENSMUSG0ENSMUSGC	2578.299	0.19902	0.145822	1.364813	0.172312	0.614048	Zcchc18
ENSMUSG0ENSMUSGC	594.2806	0.120542	0.098266	1.226688	0.21994	0.670759	Psmd10
ENSMUSG0ENSMUSGC	846.4252	0.320681	0.091423	3.507659	0.000452	0.022548	Tsc22d3
ENSMUSG0ENSMUSGC	4836.289	0.07341	0.10761	0.682189	0.49512	0.853419	Prps1
ENSMUSG0ENSMUSGC	104.2435	-0.40991	0.142122	-2.88418	0.003924	0.090287	Rbm41
ENSMUSG0ENSMUSGC	683.7951	0.041227	0.137415	0.300017	0.764164	0.947461	Morc4
ENSMUSG0ENSMUSGC	4752.899	0.082581	0.072074	1.145782	0.251885	0.697958	Rnf128
ENSMUSG0ENSMUSGC	2132.328	-0.17467	0.098727	-1.76926	0.07685	0.439937	Atp11a
ENSMUSG0ENSMUSGC	4286.565	0.074706	0.072003	1.037534	0.299487	0.737987	Mcf2l
ENSMUSG0ENSMUSGC	3104.571	0.053311	0.072761	0.732691	0.463747	0.835432	Cul4a
ENSMUSG0ENSMUSGC	27972.32	0.110023	0.073235	1.502324	0.133013	0.555792	Lamp1
ENSMUSG0ENSMUSGC	93.9044	-0.02655	0.130371	-0.20361	0.838654	0.965671	Grk1
ENSMUSG0ENSMUSGC	1076.565	-0.07412	0.078336	-0.94619	0.344053	0.766294	Rasa3
ENSMUSG0ENSMUSGC	1047.155	0.134651	0.137507	0.979227	0.327468	0.754804	Coprs
ENSMUSG0ENSMUSGC	46.15322	-0.10898	0.127077	-0.85763	0.391099	0.794949	Angpt2
ENSMUSG0ENSMUSGC	2383.697	0.001921	0.111234	0.017268	0.986223	0.997899	Agpat5
ENSMUSG0ENSMUSGC	187.704	-0.05027	0.10848	-0.46341	0.643073	0.914852	Nek3
ENSMUSG0ENSMUSGC	1318.793	-0.00995	0.119305	-0.08341	0.933527	0.986608	Vps36
ENSMUSG0ENSMUSGC	422.1879	-0.31649	0.098968	-3.19789	0.001384	0.04427	Slc25a15
ENSMUSG0ENSMUSGC	2407.743	-0.03602	0.075392	-0.47774	0.632833	0.911932	Erlin2
ENSMUSG0ENSMUSGC	2395.317	0.10722	0.088286	1.214464	0.224571	0.674591	Plpbbp
ENSMUSG0ENSMUSGC	389.1881	0.098472	0.103428	0.952076	0.341058	0.763821	Brf2
ENSMUSG0ENSMUSGC	414.821	-0.08696	0.114758	-0.75777	0.448587	0.824927	Rab11fip1
ENSMUSG0ENSMUSGC	516.3868	-0.14092	0.10336	-1.36339	0.172759	0.614658	Adrb3
ENSMUSG0ENSMUSGC	1126.926	0.011493	0.11623	0.098881	0.921233	0.985705	Eif4ebp1
ENSMUSG0ENSMUSGC	100.0143	0.174172	0.133955	1.300224	0.193524	0.639447	Ggn
ENSMUSG0ENSMUSGC	533.5718	0.172195	0.117324	1.467686	0.14219	0.571875	Col4a1
ENSMUSG0ENSMUSGC	39.45028	-0.03387	0.145985	-0.232	0.816535	0.959797	Rab20
ENSMUSG0ENSMUSGC	1654.937	-0.05683	0.09267	-0.61321	0.539737	0.873794	Naxd
ENSMUSG0ENSMUSGC	7211.997	-0.12403	0.088694	-1.39844	0.161981	0.601189	Ankrd10
ENSMUSG0ENSMUSGC	2173.832	-0.08596	0.082079	-1.04728	0.294972	0.734108	Arhgef7
ENSMUSG0ENSMUSGC	3133.357	-0.12225	0.135055	-0.90521	0.365354	0.78214	Leprotl1
ENSMUSG0ENSMUSGC	1667.781	-0.01206	0.093296	-0.12932	0.897108	0.98034	Dctn6
ENSMUSG0ENSMUSGC	75.50166	-0.07368	0.144779	-0.50893	0.610798	0.904473	Vegfc
ENSMUSG0ENSMUSGC	2864.761	-0.02939	0.09668	-0.30402	0.761115	0.946226	Aga
ENSMUSG0ENSMUSGC	3374.83	-0.04865	0.128248	-0.37935	0.704424	0.93471	Eri1
ENSMUSG0ENSMUSGC	3516.761	-0.02123	0.128224	-0.16557	0.868499	0.974598	Tnks
ENSMUSG0ENSMUSGC	1098.511	-0.16508	0.146011	-1.13061	0.25822	0.702822	Dusp4
ENSMUSG0ENSMUSGC	13670.41	0.064537	0.133679	0.482777	0.629254	0.910993	Saraf
ENSMUSG0ENSMUSGC	808.5256	0.105129	0.069201	1.519186	0.128716	0.547624	Mrps31
ENSMUSG0ENSMUSGC	598.2314	0.056109	0.123043	0.45601	0.648383	0.918363	Smim19
ENSMUSG0ENSMUSGC	1238.696	0.038282	0.087409	0.437961	0.661415	0.923825	Polb

ENSMUSG0ENSMUSGC	1430.208	-0.08443	0.067131	-1.25768	0.208506	0.656691	Ikbkb
ENSMUSG0ENSMUSGC	550.8995	-0.00474	0.144287	-0.03284	0.9738	0.995862	Plat
ENSMUSG0ENSMUSGC	506.6118	0.090026	0.094075	0.956959	0.338588	0.761303	Ap3m2
ENSMUSG0ENSMUSGC	1335.063	0.004462	0.111555	0.039999	0.968094	0.995501	Kat6a
ENSMUSG0ENSMUSGC	3284.521	0.03755	0.097483	0.385196	0.700092	0.933914	Gpat4
ENSMUSG0ENSMUSGC	1495.712	0.104515	0.087653	1.192379	0.233113	0.682589	Gins4
ENSMUSG0ENSMUSGC	5715.968	-0.31037	0.089096	-3.48354	0.000495	0.023623	Adam9
ENSMUSG0ENSMUSGC	3473.579	0.118926	0.115609	1.028694	0.303624	0.739759	Tm2d2
ENSMUSG0ENSMUSGC	2968.844	0.034236	0.075319	0.45454	0.64944	0.918645	Plekha2
ENSMUSG0ENSMUSGC	53.8859	-0.35351	0.140434	-2.51725	0.011828	0.169089	Slit2
ENSMUSG0ENSMUSGC	42.28353	0.119474	0.144317	0.827859	0.40775	0.802351	4930555F0
ENSMUSG0ENSMUSGC	3874.827	-0.0024	0.12817	-0.01874	0.985052	0.997439	Tenm3
ENSMUSG0ENSMUSGC	229.2726	-0.42126	0.112433	-3.7468	0.000179	0.012079	Fgfr1
ENSMUSG0ENSMUSGC	2635.999	-0.05681	0.099126	-0.5731	0.56658	0.887447	Rwdd4a
ENSMUSG0ENSMUSGC	1598.515	-0.03671	0.12782	-0.28723	0.773935	0.949821	Plpp5
ENSMUSG0ENSMUSGC	119.981	-0.10066	0.117608	-0.85589	0.392056	0.79526	Star
ENSMUSG0ENSMUSGC	1236.287	0.096691	0.085391	1.132338	0.257492	0.702668	Ash2l
ENSMUSG0ENSMUSGC	94.28279	0.125682	0.132772	0.9466	0.343843	0.766152	Kcnu1
ENSMUSG0ENSMUSGC	709.2572	-0.06217	0.069687	-0.89217	0.372299	0.786504	Tti2
ENSMUSG0ENSMUSGC	1605.734	-0.03869	0.062692	-0.61718	0.537116	0.873009	Mak16
ENSMUSG0ENSMUSGC	805.5813	-0.02352	0.120142	-0.19581	0.84476	0.967714	Wrn
ENSMUSG0ENSMUSGC	2479.677	0.103616	0.066888	1.549091	0.12136	0.534218	Gsr
ENSMUSG0ENSMUSGC	2377.104	0.001349	0.101318	0.013319	0.989373	0.998539	Gtf2e2
ENSMUSG0ENSMUSGC	1964.119	0.185692	0.120253	1.544177	0.122545	0.5355	Rbpms
ENSMUSG0ENSMUSGC	1486.165	0.100795	0.081033	1.243872	0.213546	0.663369	Frg1
ENSMUSG0ENSMUSGC	7728.631	0.104212	0.140354	0.742493	0.457788	0.831647	Asah1
ENSMUSG0ENSMUSGC	2909.741	0.049542	0.130575	0.379418	0.704378	0.93471	Pcm1
ENSMUSG0ENSMUSGC	284.1111	0.382992	0.100344	3.816777	0.000135	0.010041	Pdgfrl
ENSMUSG0ENSMUSGC	5139.239	0.159504	0.112148	1.422259	0.154951	0.592119	Slc7a2
ENSMUSG0ENSMUSGC	3464.307	-0.00289	0.1003	-0.02881	0.977012	0.996317	Vps37a
ENSMUSG0ENSMUSGC	4398.626	-0.05965	0.116309	-0.51283	0.608071	0.903741	Cnot7
ENSMUSG0ENSMUSGC	4426.555	0.418514	0.124464	3.362523	0.000772	0.031285	Msmo1
ENSMUSG0ENSMUSGC	1684.493	-0.05983	0.124926	-0.4789	0.632011	0.911472	Klhl2
ENSMUSG0ENSMUSGC	642.806	0.052354	0.143707	0.364312	0.715625	0.935647	Sap30
ENSMUSG0ENSMUSGC	2626.693	-0.03977	0.113324	-0.3509	0.725663	0.93819	Tmem184c
ENSMUSG0ENSMUSGC	116.1691	-0.28664	0.120145	-2.38575	0.017044	0.203604	Nr3c2
ENSMUSG0ENSMUSGC	3387.965	0.189337	0.102162	1.853308	0.063838	0.40654	Sin3b
ENSMUSG0ENSMUSGC	19283.14	-0.09679	0.13227	-0.73178	0.464302	0.835756	Sorbs2
ENSMUSG0ENSMUSGC	846.9222	-0.16488	0.099085	-1.66403	0.096107	0.48614	Irf2
ENSMUSG0ENSMUSGC	2831.729	0.013412	0.113875	0.117778	0.906244	0.982338	Casp3
ENSMUSG0ENSMUSGC	895.0285	0.208098	0.092501	2.249685	0.024469	0.249486	Cenpu
ENSMUSG0ENSMUSGC	1249.288	0.039318	0.09902	0.397076	0.691312	0.931679	Cfap97
ENSMUSG0ENSMUSGC	17299.16	0.130778	0.077581	1.685706	0.091852	0.476131	Slc25a4
ENSMUSG0ENSMUSGC	2771.723	-0.00275	0.106006	-0.02597	0.979278	0.996602	Ufsp2
ENSMUSG0ENSMUSGC	42.51676	-0.52262	0.140409	-3.7221	0.000198	0.012736	Anxa10
ENSMUSG0ENSMUSGC	41.5387	-0.16865	0.142061	-1.18719	0.235152	0.683468	Lrp2bp
ENSMUSG0ENSMUSGC	429.2523	-0.06681	0.109603	-0.60959	0.542133	0.875015	Cbr4
ENSMUSG0ENSMUSGC	303.894	-0.24088	0.096024	-2.50851	0.012124	0.170952	Sh3rf1
ENSMUSG0ENSMUSGC	690.3114	0.074021	0.140732	0.525969	0.59891	0.898778	Nek1
ENSMUSG0ENSMUSGC	761.5843	-0.07975	0.094838	-0.84091	0.400401	0.79975	Mfap3l
ENSMUSG0ENSMUSGC	3197.536	0.129646	0.097263	1.332945	0.18255	0.62939	N4bp1
ENSMUSG0ENSMUSGC	153.8457	-0.36315	0.144573	-2.51191	0.012008	0.169925	Cbln1

ENSMUSG0ENSMUSG0	1547.68	0.153668	0.07444	2.064318	0.038988	0.32091	Heatr3
ENSMUSG0ENSMUSG0	347.5684	-0.22539	0.132492	-1.70116	0.088914	0.469952	Adcy7
ENSMUSG0ENSMUSG0	2363.794	-0.03254	0.090059	-0.36136	0.717831	0.935997	Brd7
ENSMUSG0ENSMUSG0	1252.4	-0.14322	0.09825	-1.45771	0.144921	0.574916	Rbl2
ENSMUSG0ENSMUSG0	2217.24	0.187852	0.114952	1.63418	0.102221	0.4985	Aktip
ENSMUSG0ENSMUSG0	1767.409	-0.05336	0.130624	-0.40849	0.682915	0.930324	Eif2ak3
ENSMUSG0ENSMUSG0	1363.238	0.122974	0.136225	0.902733	0.366668	0.783263	Gins3
ENSMUSG0ENSMUSG0	946.6308	0.020233	0.111123	0.181898	0.855662	0.971102	Setd6
ENSMUSG0ENSMUSG0	9588.584	0.08577	0.107136	0.800567	0.423383	0.813444	Got2
ENSMUSG0ENSMUSG0	1400.207	-0.03918	0.073803	-0.53082	0.595545	0.896811	Smad1
ENSMUSG0ENSMUSG0	2224.013	-0.02337	0.108762	-0.21483	0.829897	0.963218	Lsm6
ENSMUSG0ENSMUSG0	851.3828	-0.06636	0.145814	-0.4551	0.649041	0.918565	Slc10a7
ENSMUSG0ENSMUSG0	3124.619	0.127345	0.122024	1.043603	0.296669	0.735498	Tnpo2
ENSMUSG0ENSMUSG0	11053.09	0.04252	0.123222	0.34507	0.730042	0.938791	Vps35
ENSMUSG0ENSMUSG0	3730.244	0.132668	0.073476	1.805598	0.070981	0.425044	Orc6
ENSMUSG0ENSMUSG0	2057.032	0.044833	0.125164	0.358193	0.720199	0.936468	Gpt2
ENSMUSG0ENSMUSG0	5746.198	0.119457	0.077259	1.546203	0.122056	0.535158	Dnaja2
ENSMUSG0ENSMUSG0	9625.449	0.030116	0.063636	0.473255	0.636031	0.912525	Itfg1
ENSMUSG0ENSMUSG0	785.1928	-0.05901	0.107361	-0.54961	0.582585	0.892926	Rfx1
ENSMUSG0ENSMUSG0	11067.81	0.181109	0.099067	1.828156	0.067526	0.417181	Tecr
ENSMUSG0ENSMUSG0	2229.598	-0.10237	0.099551	-1.02828	0.303818	0.739759	Tbc1d9
ENSMUSG0ENSMUSG0	2011.31	-0.09375	0.081031	-1.15697	0.247285	0.695372	Zfp330
ENSMUSG0ENSMUSG0	5834.868	0.000905	0.113225	0.00799	0.993625	0.998555	Smarca5
ENSMUSG0ENSMUSG0	492.1984	-0.23343	0.097769	-2.38757	0.01696	0.203528	Txnl4b
ENSMUSG0ENSMUSG0	906.3295	-0.13171	0.088738	-1.48426	0.137741	0.565127	Zfp821
ENSMUSG0ENSMUSG0	4553.7	-0.12279	0.096462	-1.27291	0.203048	0.650454	Ist1
ENSMUSG0ENSMUSG0	686.1767	0.24572	0.100837	2.436792	0.014818	0.190903	Dhodh
ENSMUSG0ENSMUSG0	3828.24	0.173604	0.080994	2.143404	0.032081	0.287415	Ap1g1
ENSMUSG0ENSMUSG0	1190.336	0.05969	0.10043	0.594339	0.552285	0.880447	Phlpp2
ENSMUSG0ENSMUSG0	302.7718	0.048955	0.127753	0.383201	0.701571	0.934077	Crnde
ENSMUSG0ENSMUSG0	15656.21	0.061297	0.092989	0.659185	0.509777	0.859972	Gnao1
ENSMUSG0ENSMUSG0	816.8469	-0.07063	0.074441	-0.94881	0.342715	0.765528	St3gal2
ENSMUSG0ENSMUSG0	8684.492	0.064014	0.081063	0.789687	0.42971	0.815671	Amfr
ENSMUSG0ENSMUSG0	2747.706	0.063326	0.070765	0.894878	0.370852	0.785483	Cog4
ENSMUSG0ENSMUSG0	2987.019	0.058071	0.095667	0.607014	0.543842	0.875214	Nudt21
ENSMUSG0ENSMUSG0	965.7973	-0.24557	0.096063	-2.5563	0.010579	0.158985	Bbs2
ENSMUSG0ENSMUSG0	1007.665	0.1407	0.071767	1.960514	0.049936	0.361005	Cenpn
ENSMUSG0ENSMUSG0	4873.784	0.431318	0.117957	3.656572	0.000256	0.015183	Mt3
ENSMUSG0ENSMUSG0	5482.06	-0.32229	0.13779	-2.33902	0.019334	0.218649	Mt2
ENSMUSG0ENSMUSG0	10813.57	-0.25973	0.137081	-1.89474	0.058126	0.389266	Mt1
ENSMUSG0ENSMUSG0	80.71945	-0.0255	0.146011	-0.17463	0.861369	0.972861	Slc12a3
ENSMUSG0ENSMUSG0	490.7965	-0.07279	0.099428	-0.73212	0.464097	0.835711	Nudt7
ENSMUSG0ENSMUSG0	3951.867	0.014092	0.13571	0.103842	0.917295	0.984548	Herpud1
ENSMUSG0ENSMUSG0	1530.93	0.054201	0.083254	0.651034	0.515024	0.862806	Fam192a
ENSMUSG0ENSMUSG0	2915.633	-0.26286	0.091646	-2.86822	0.004128	0.092735	Arl2bp
ENSMUSG0ENSMUSG0	2000.836	-0.00353	0.086618	-0.04077	0.967479	0.995174	Ciapi1
ENSMUSG0ENSMUSG0	1694.972	-0.10519	0.113659	-0.9255	0.354708	0.774327	Coq9
ENSMUSG0ENSMUSG0	3213.031	-0.00486	0.09266	-0.05242	0.958196	0.993017	Polr2c
ENSMUSG0ENSMUSG0	12182.61	0.174997	0.118684	1.47448	0.140352	0.570713	Adgrg1
ENSMUSG0ENSMUSG0	1329.034	-0.0335	0.096923	-0.34566	0.729596	0.938791	Katnb1
ENSMUSG0ENSMUSG0	888.927	-0.05461	0.107637	-0.50732	0.611933	0.904589	Kifc3
ENSMUSG0ENSMUSG0	36.90667	0.207096	0.141554	1.463022	0.143461	0.572261	Cngb1

ENSMUSG0ENSMUSG0	81.93816	-0.34336	0.144185	-2.38138	0.017248	0.20439	Mmp15
ENSMUSG0ENSMUSG0	1505.328	0.165603	0.096747	1.711714	0.086949	0.464219	Tmem38a
ENSMUSG0ENSMUSG0	702.4613	-0.07505	0.096734	-0.77582	0.437854	0.819206	Usb1
ENSMUSG0ENSMUSG0	2353.879	-0.0235	0.113408	-0.20719	0.835862	0.965089	Cfap20
ENSMUSG0ENSMUSG0	10559.93	-0.09596	0.101994	-0.94082	0.346796	0.768352	Tpm4
ENSMUSG0ENSMUSG0	4419.822	-0.22585	0.10868	-2.0781	0.0377	0.314792	B3gnt3
ENSMUSG0ENSMUSG0	573.7822	-0.04837	0.087521	-0.55263	0.580517	0.892821	Jak3
ENSMUSG0ENSMUSG0	3002.42	0.034385	0.116332	0.29558	0.767551	0.948583	Pgls
ENSMUSG0ENSMUSG0	681.4157	-0.06089	0.093291	-0.65271	0.513943	0.862501	Slc27a1
ENSMUSG0ENSMUSG0	4585.838	0.068808	0.105543	0.651946	0.514436	0.862556	Map1lc3b
ENSMUSG0ENSMUSG0	2450.629	0.060499	0.106448	0.568347	0.569799	0.888936	Mvb12a
ENSMUSG0ENSMUSG0	1038.859	-0.18696	0.089555	-2.08763	0.036831	0.3114	Mthfsd
ENSMUSG0ENSMUSG0	9302.971	0.071816	0.099633	0.720807	0.471028	0.840394	Cox4i1
ENSMUSG0ENSMUSG0	1619.552	0.170816	0.089775	1.902716	0.057078	0.385445	Emc8
ENSMUSG0ENSMUSG0	3480.288	0.009135	0.08357	0.109315	0.912953	0.983954	Babam1
ENSMUSG0ENSMUSG0	1265.997	0.347032	0.100729	3.445194	0.000571	0.026034	Gins2
ENSMUSG0ENSMUSG0	9069.865	0.113605	0.097744	1.162268	0.245126	0.693512	Gse1
ENSMUSG0ENSMUSG0	1425.866	0.04882	0.099485	0.490729	0.623618	0.907988	Zdhhc7
ENSMUSG0ENSMUSG0	8390.457	0.325996	0.118964	2.740288	0.006139	0.116886	6430548M
ENSMUSG0ENSMUSG0	72.64073	-0.00955	0.145492	-0.06561	0.947692	0.990755	Crispld2
ENSMUSG0ENSMUSG0	2351.514	0.148128	0.089022	1.66395	0.096122	0.48614	Usp10
ENSMUSG0ENSMUSG0	2533.467	0.097017	0.097609	0.993939	0.320253	0.750867	Cotl1
ENSMUSG0ENSMUSG0	314.4257	0.120738	0.109656	1.101068	0.270867	0.713936	Klhl36
ENSMUSG0ENSMUSG0	624.7294	0.015736	0.074053	0.212492	0.831724	0.963529	Taf1c
ENSMUSG0ENSMUSG0	949.0036	-0.00874	0.085012	-0.10282	0.918102	0.984843	Mast3
ENSMUSG0ENSMUSG0	1448.881	0.027023	0.099619	0.271263	0.786188	0.953517	Pik3r2
ENSMUSG0ENSMUSG0	3898.863	-0.0308	0.063726	-0.4833	0.628882	0.910993	Mbtps1
ENSMUSG0ENSMUSG0	314.6436	-0.03678	0.145344	-0.25308	0.800204	0.956574	Necab2
ENSMUSG0ENSMUSG0	8810.55	0.041534	0.126458	0.328438	0.74258	0.940596	Ifi30
ENSMUSG0ENSMUSG0	4318.129	0.149695	0.090772	1.649129	0.099121	0.491242	Hsbp1
ENSMUSG0ENSMUSG0	5741.362	-0.07969	0.093356	-0.85363	0.393309	0.795486	Rab3a
ENSMUSG0ENSMUSG0	117.9519	-0.06226	0.143426	-0.43411	0.664211	0.924679	Pde4c
ENSMUSG0ENSMUSG0	687.9654	-0.25885	0.075227	-3.44095	0.00058	0.02609	Mphosph6
ENSMUSG0ENSMUSG0	38.28423	-0.17084	0.133177	-1.2828	0.19956	0.646803	Bco1
ENSMUSG0ENSMUSG0	49.50417	0.138517	0.13904	0.996233	0.319137	0.750368	1700030J2
ENSMUSG0ENSMUSG0	1545.594	-0.02464	0.114123	-0.21587	0.829092	0.963218	Lsm4
ENSMUSG0ENSMUSG0	330.3703	-0.06099	0.118141	-0.51627	0.605666	0.902356	Ntpcr
ENSMUSG0ENSMUSG0	323.8877	0.117684	0.131461	0.895199	0.370681	0.785483	Map3k21
ENSMUSG0ENSMUSG0	3033.254	0.157374	0.087094	1.80694	0.070772	0.425044	Mau2
ENSMUSG0ENSMUSG0	585.1573	0.150671	0.121614	1.238927	0.215373	0.666547	Pbx4
ENSMUSG0ENSMUSG0	602.7339	-0.32345	0.108039	-2.99378	0.002755	0.071797	Lpar2
ENSMUSG0ENSMUSG0	5266.117	0.033408	0.112094	0.298039	0.765673	0.947876	Atp13a1
ENSMUSG0ENSMUSG0	1487.568	-0.03868	0.113613	-0.34049	0.733488	0.938791	Ints10
ENSMUSG0ENSMUSG0	6937.002	-0.04924	0.078152	-0.63003	0.528678	0.869382	Dctn1
ENSMUSG0ENSMUSG0	137.8992	-0.23528	0.143675	-1.63756	0.101513	0.497044	Pgr
ENSMUSG0ENSMUSG0	1784.374	0.129192	0.07958	1.623423	0.104499	0.501644	Nae1
ENSMUSG0ENSMUSG0	951.6893	0.051586	0.127599	0.404281	0.686006	0.931173	Fam96b
ENSMUSG0ENSMUSG0	352.425	0.527148	0.134684	3.913959	9.08E-05	0.007633	Cdh16
ENSMUSG0ENSMUSG0	3748.29	-0.03665	0.095818	-0.38245	0.70213	0.934077	Cbfb
ENSMUSG0ENSMUSG0	754.73	-0.00714	0.087147	-0.08192	0.934712	0.986608	Tradd
ENSMUSG0ENSMUSG0	852.5286	0.035547	0.099986	0.355525	0.722197	0.937607	D230025D1
ENSMUSG0ENSMUSG0	355.1693	0.313365	0.119095	2.631206	0.008508	0.140581	Psmb10

ENSMUSG0ENSMUSGC	365.0718	0.050848	0.110398	0.460593	0.645091	0.915385	Dus2
ENSMUSG0ENSMUSGC	2490.53	0.056342	0.114926	0.490245	0.623961	0.907988	Nfatc3
ENSMUSG0ENSMUSGC	771.0986	0.218324	0.087609	2.492025	0.012702	0.175215	Pla2g15
ENSMUSG0ENSMUSGC	1723.473	-0.09466	0.138106	-0.68543	0.493075	0.852803	Slc7a6
ENSMUSG0ENSMUSGC	2491.518	-0.04883	0.128177	-0.38095	0.70324	0.934077	Smpd3
ENSMUSG0ENSMUSGC	602.8878	-0.05283	0.077919	-0.67797	0.497792	0.853814	Zfp90
ENSMUSG0ENSMUSGC	45.12758	0.030334	0.143619	0.211212	0.832722	0.963973	Has3
ENSMUSG0ENSMUSGC	2768.233	0.12921	0.071525	1.806497	0.070841	0.425044	Vps4a
ENSMUSG0ENSMUSGC	2753.575	0.024705	0.108454	0.22779	0.819809	0.960195	Cog8
ENSMUSG0ENSMUSGC	1102.754	0.073058	0.123099	0.593492	0.552852	0.880913	Nip7
ENSMUSG0ENSMUSGC	1700.583	0.072858	0.073021	0.997774	0.318389	0.75003	Mtmr2
ENSMUSG0ENSMUSGC	149.2356	-0.23521	0.120193	-1.95695	0.050353	0.362811	Tmed6
ENSMUSG0ENSMUSGC	1698.865	0.033157	0.087266	0.379953	0.703981	0.934655	Terf2
ENSMUSG0ENSMUSGC	1710.736	0.061241	0.094019	0.651366	0.51481	0.862556	Cep57
ENSMUSG0ENSMUSGC	10837.33	0.131208	0.104274	1.258296	0.208285	0.656637	Cyb5b
ENSMUSG0ENSMUSGC	1081.397	0.124578	0.082418	1.511535	0.130652	0.550923	Mre11a
ENSMUSG0ENSMUSGC	1853.594	0.054379	0.076544	0.71043	0.477438	0.843276	Wwp2
ENSMUSG0ENSMUSGC	585.6211	0.043661	0.085332	0.511662	0.608888	0.903796	Ankrd49
ENSMUSG0ENSMUSGC	135.54	-0.3819	0.136171	-2.80458	0.005038	0.104089	Panx1
ENSMUSG0ENSMUSGC	790.2048	0.032531	0.109518	0.29704	0.766436	0.948343	Med17
ENSMUSG0ENSMUSGC	797.6302	0.040194	0.11491	0.349789	0.726497	0.93845	4931406C0
ENSMUSG0ENSMUSGC	1433.131	0.050544	0.103022	0.490612	0.623701	0.907988	Taf1d
ENSMUSG0ENSMUSGC	5316.914	0.109165	0.071796	1.520474	0.128392	0.547437	Kars
ENSMUSG0ENSMUSGC	315.417	-0.06055	0.112273	-0.5393	0.589683	0.895308	Adat1
ENSMUSG0ENSMUSGC	8179.28	0.052222	0.110527	0.472485	0.63658	0.912525	Gabarapl2
ENSMUSG0ENSMUSGC	902.3179	-0.05659	0.101876	-0.55545	0.578588	0.892246	Tmem231
ENSMUSG0ENSMUSGC	459.2452	0.243703	0.144509	1.686423	0.091714	0.475861	Chst5
ENSMUSG0ENSMUSGC	810.0298	0.091267	0.086287	1.057718	0.290184	0.7298	Tmem170
ENSMUSG0ENSMUSGC	3156.179	0.122908	0.094564	1.299737	0.193691	0.639447	Cfdp1
ENSMUSG0ENSMUSGC	6169.474	0.084406	0.086516	0.97561	0.329258	0.755901	Bcar1
ENSMUSG0ENSMUSGC	362.5903	0.066218	0.090364	0.732786	0.463689	0.835432	Ldhd
ENSMUSG0ENSMUSGC	2206.274	0.205585	0.078695	2.612438	0.00899	0.144251	Wdr59
ENSMUSG0ENSMUSGC	14126.02	0.039848	0.139094	0.286486	0.774506	0.949887	Aars
ENSMUSG0ENSMUSGC	2645.731	-0.06991	0.104971	-0.66599	0.505417	0.857676	Afg3l1
ENSMUSG0ENSMUSGC	609.1022	-0.02744	0.102335	-0.26818	0.78856	0.95434	Acad8
ENSMUSG0ENSMUSGC	65.01128	0.072077	0.134467	0.536022	0.591943	0.895697	Dbnidd1
ENSMUSG0ENSMUSGC	529.9351	0.146225	0.098357	1.48667	0.137102	0.564064	Ccsap
ENSMUSG0ENSMUSGC	680.9332	0.016592	0.107377	0.154521	0.877199	0.976224	Abcb10
ENSMUSG0ENSMUSGC	692.157	0.017202	0.097294	0.176802	0.859664	0.972503	Urb2
ENSMUSG0ENSMUSGC	1372.946	0.127444	0.073904	1.72445	0.084627	0.459279	Cog2
ENSMUSG0ENSMUSGC	714.7504	-0.26363	0.115782	-2.27697	0.022788	0.240414	Agt
ENSMUSG0ENSMUSGC	232.3757	-0.01571	0.145533	-0.10796	0.914028	0.983954	Capn9
ENSMUSG0ENSMUSGC	186.484	0.113836	0.108927	1.045065	0.295993	0.735416	Arv1
ENSMUSG0ENSMUSGC	4174.224	-0.04315	0.0751	-0.57453	0.565609	0.886811	2310022B0
ENSMUSG0ENSMUSGC	923.0222	0.043793	0.087061	0.50301	0.614958	0.9059	2810004N2
ENSMUSG0ENSMUSGC	2720.318	-0.15053	0.085056	-1.76973	0.076772	0.439677	Gnpat
ENSMUSG0ENSMUSGC	1105.962	-0.08794	0.078158	-1.12514	0.260532	0.704211	Sprtn
ENSMUSG0ENSMUSGC	3658.771	-0.10765	0.140611	-0.76556	0.443937	0.823152	Egln1
ENSMUSG0ENSMUSGC	2186.903	-0.00559	0.063419	-0.08811	0.929788	0.985827	Vps26b
ENSMUSG0ENSMUSGC	778.7574	0.260738	0.090871	2.869326	0.004113	0.092735	Jam3
ENSMUSG0ENSMUSGC	1716.423	-0.12009	0.085243	-1.40883	0.158884	0.59683	Snx19
ENSMUSG0ENSMUSGC	73.47321	-0.15007	0.12449	-1.20547	0.228023	0.677662	Adamts8

ENSMUSG0ENSMUSG0	196.2641	-0.30244	0.104289	-2.90006	0.003731	0.087494	St14
ENSMUSG0ENSMUSG0	5400.708	-0.0855	0.065017	-1.31505	0.188493	0.635816	Aplp2
ENSMUSG0ENSMUSG0	267.3127	0.257895	0.120243	2.144783	0.03197	0.286709	Trpc6
ENSMUSG0ENSMUSG0	144.2177	-0.0997	0.14019	-0.71115	0.476993	0.843045	Birc3
ENSMUSG0ENSMUSG0	1573.271	0.054392	0.074933	0.725874	0.467916	0.838831	Dcun1d5
ENSMUSG0ENSMUSG0	6312.295	0.263856	0.13117	2.011554	0.044267	0.339093	Sesn3
ENSMUSG0ENSMUSG0	170.5851	-0.29278	0.141962	-2.06236	0.039174	0.321553	Usp2
ENSMUSG0ENSMUSG0	72.60818	-0.15566	0.139689	-1.11433	0.265139	0.708436	Thy1
ENSMUSG0ENSMUSG0	1891.279	0.006385	0.083354	0.076603	0.938939	0.987897	Nectin1
ENSMUSG0ENSMUSG0	450.8952	0.26154	0.146007	1.791288	0.073247	0.431177	Oaf
ENSMUSG0ENSMUSG0	2067.071	0.257359	0.116546	2.208208	0.02723	0.263587	Sc5d
ENSMUSG0ENSMUSG0	203.3505	0.258244	0.101771	2.537493	0.011165	0.163343	Ubash3b
ENSMUSG0ENSMUSG0	2457.588	0.201559	0.091222	2.209555	0.027136	0.263227	Rexo2
ENSMUSG0ENSMUSG0	1733.701	0.070605	0.072098	0.979289	0.327437	0.754804	Cul5
ENSMUSG0ENSMUSG0	83.38603	0.031969	0.145973	0.219008	0.826644	0.962521	Kirrel3
ENSMUSG0ENSMUSG0	221.2117	-0.21436	0.130393	-1.64393	0.100191	0.493095	St3gal4
ENSMUSG0ENSMUSG0	1123.597	0.052166	0.08808	0.59226	0.553676	0.881128	Dcps
ENSMUSG0ENSMUSG0	141.9238	-0.06669	0.121109	-0.55068	0.581852	0.892926	Tirap
ENSMUSG0ENSMUSG0	11702.39	0.100214	0.100856	0.99363	0.320403	0.750867	Srpr
ENSMUSG0ENSMUSG0	451.6618	-0.00535	0.105761	-0.05056	0.959674	0.993414	Rpusd4
ENSMUSG0ENSMUSG0	1880.192	0.14985	0.078657	1.90512	0.056764	0.384967	Abhd12
ENSMUSG0ENSMUSG0	5757.973	0.113963	0.115935	0.982987	0.325614	0.754238	Acat1
ENSMUSG0ENSMUSG0	5301.885	0.135856	0.086823	1.564742	0.117643	0.527358	Rdx
ENSMUSG0ENSMUSG0	458.9179	0.110331	0.115696	0.953632	0.34027	0.763413	Fdx1
ENSMUSG0ENSMUSG0	1046.911	-0.02833	0.076043	-0.37252	0.709502	0.934929	Ppp2r1b
ENSMUSG0ENSMUSG0	802.274	-0.14347	0.108422	-1.32322	0.185762	0.631891	Alg9
ENSMUSG0ENSMUSG0	679.9716	0.062243	0.089833	0.692874	0.488389	0.850258	2310030G0
ENSMUSG0ENSMUSG0	146.0223	-0.00089	0.143407	-0.00619	0.995063	0.998655	Dixdc1
ENSMUSG0ENSMUSG0	1036.476	-0.07566	0.125294	-0.60386	0.545935	0.876016	Pts
ENSMUSG0ENSMUSG0	5016.387	-0.19742	0.103604	-1.9055	0.056715	0.384967	Cadm1
ENSMUSG0ENSMUSG0	727.78	0.31879	0.115534	2.759267	0.005793	0.114003	Bud13
ENSMUSG0ENSMUSG0	1323.017	0.099725	0.098227	1.015248	0.309988	0.744182	Zpr1
ENSMUSG0ENSMUSG0	123.965	0.078987	0.111133	0.710742	0.477244	0.843045	Apoa5
ENSMUSG0ENSMUSG0	3002.097	0.100536	0.126989	0.791695	0.428539	0.815297	Bace1
ENSMUSG0ENSMUSG0	10727.33	0.019953	0.088721	0.224895	0.822061	0.961036	Arcn1
ENSMUSG0ENSMUSG0	5688.225	0.070838	0.091949	0.770399	0.441063	0.821346	Ddx6
ENSMUSG0ENSMUSG0	859.7229	0.184848	0.082861	2.230816	0.025693	0.256545	Ddx25
ENSMUSG0ENSMUSG0	473.2627	0.044586	0.094495	0.471839	0.637042	0.912683	Pus3
ENSMUSG0ENSMUSG0	166.05	-0.08558	0.139361	-0.6141	0.539152	0.873794	Nlrp1
ENSMUSG0ENSMUSG0	1768.45	0.241334	0.119852	2.013596	0.044052	0.337833	Trappc4
ENSMUSG0ENSMUSG0	1106.287	0.163694	0.122953	1.331359	0.183071	0.629886	Chek1
ENSMUSG0ENSMUSG0	2129.926	0.019893	0.117424	0.169415	0.86547	0.97421	Slc37a4
ENSMUSG0ENSMUSG0	16605.67	0.056049	0.095528	0.586729	0.557386	0.882863	Hyou1
ENSMUSG0ENSMUSG0	13070.54	0.002582	0.090362	0.028576	0.977203	0.996394	Stt3a
ENSMUSG0ENSMUSG0	322.3559	-0.11504	0.121292	-0.94843	0.34291	0.765528	Fez1
ENSMUSG0ENSMUSG0	813.6204	-0.0786	0.135632	-0.57955	0.562221	0.885011	Hinfp
ENSMUSG0ENSMUSG0	2758.711	-0.08878	0.122934	-0.72216	0.470195	0.839917	C2cd2l
ENSMUSG0ENSMUSG0	639.1155	0.090299	0.121962	0.740385	0.459066	0.832245	Tmem218
ENSMUSG0ENSMUSG0	40.88944	0.011865	0.142092	0.0835	0.933454	0.986608	Slc37a2
ENSMUSG0ENSMUSG0	1119.631	0.282181	0.078781	3.581835	0.000341	0.018565	Dpagt1
ENSMUSG0ENSMUSG0	1599.887	0.129625	0.111264	1.165019	0.244011	0.691771	Hmbs
ENSMUSG0ENSMUSG0	2494.421	0.134475	0.057945	2.320746	0.020301	0.22538	Vps11

ENSMUSG0ENSMUSGC	71.19521	-0.45114	0.145936	-3.09133	0.001993	0.056773	Robo3
ENSMUSG0ENSMUSGC	44.02151	-0.21325	0.144742	-1.47331	0.140666	0.570995	Abcg4
ENSMUSG0ENSMUSGC	260.9535	-0.14685	0.13769	-1.06653	0.286182	0.726741	Mcam
ENSMUSG0ENSMUSGC	3442.131	0.16581	0.085303	1.943781	0.051922	0.36917	Pin1
ENSMUSG0ENSMUSGC	900.2868	0.293084	0.14327	2.045686	0.040787	0.328587	Olfm2
ENSMUSG0ENSMUSGC	52.81352	0.058325	0.145867	0.399852	0.689265	0.931451	Icam5
ENSMUSG0ENSMUSGC	694.3571	-0.31929	0.071811	-4.44626	8.74E-06	0.001436	Tyk2
ENSMUSG0ENSMUSGC	269.8507	0.095869	0.116013	0.826364	0.408597	0.802722	Pde4a
ENSMUSG0ENSMUSGC	4045.229	0.068556	0.048492	1.413781	0.157426	0.596614	Ilf3
ENSMUSG0ENSMUSGC	988.8209	0.137358	0.105189	1.305825	0.191612	0.638563	Tmed1
ENSMUSG0ENSMUSGC	35958.92	-0.03072	0.069911	-0.43937	0.660396	0.923186	Scg3
ENSMUSG0ENSMUSGC	2753.72	0.066109	0.0665	0.994114	0.320167	0.750867	Yipf2
ENSMUSG0ENSMUSGC	1031.733	-0.05686	0.084215	-0.6752	0.499551	0.854884	Lysmd2
ENSMUSG0ENSMUSGC	1194.064	-0.06506	0.092563	-0.7029	0.482118	0.846451	Carm1
ENSMUSG0ENSMUSGC	5586.228	0.243019	0.099393	2.445037	0.014484	0.188652	Tmod2
ENSMUSG0ENSMUSGC	7345.582	-0.02363	0.071282	-0.33151	0.740256	0.940232	Smarca4
ENSMUSG0ENSMUSGC	1003.966	0.139451	0.084088	1.65839	0.097239	0.48736	Gnb5
ENSMUSG0ENSMUSGC	3439.129	-0.03765	0.133687	-0.28162	0.778234	0.950724	Ldlr
ENSMUSG0ENSMUSGC	98.14759	0.013651	0.134004	0.101871	0.918859	0.98535	Kank2
ENSMUSG0ENSMUSGC	108.0266	-0.0931	0.145477	-0.63997	0.522191	0.866666	Dock6
ENSMUSG0ENSMUSGC	5221.366	0.149918	0.04722	3.174899	0.001499	0.047143	Polr2m
ENSMUSG0ENSMUSGC	5656.02	0.085549	0.112722	0.75894	0.447889	0.824078	Rab27a
ENSMUSG0ENSMUSGC	2684.456	0.043775	0.070115	0.624335	0.532407	0.871289	Sltm
ENSMUSG0ENSMUSGC	939.0242	0.134557	0.073187	1.838529	0.065985	0.413509	Rsl24d1
ENSMUSG0ENSMUSGC	14289.66	0.054868	0.10963	0.500481	0.616737	0.906747	Nedd4
ENSMUSG0ENSMUSGC	1143.395	-0.00895	0.093692	-0.0955	0.923918	0.985705	Rnf111
ENSMUSG0ENSMUSGC	3123.656	-0.06841	0.079189	-0.8639	0.38764	0.793552	Ccnb2
ENSMUSG0ENSMUSGC	6114.314	-0.28736	0.059898	-4.79744	1.61E-06	0.000421	Myo1e
ENSMUSG0ENSMUSGC	3932.346	0.390584	0.111821	3.492958	0.000478	0.023305	Mns1
ENSMUSG0ENSMUSGC	2455.849	-0.25334	0.086379	-2.93286	0.003359	0.081304	Fam81a
ENSMUSG0ENSMUSGC	2916.997	0.076597	0.091354	0.838464	0.40177	0.79975	Tcf12
ENSMUSG0ENSMUSGC	335.5318	0.035577	0.146007	0.243664	0.807491	0.958353	Anxa2
ENSMUSG0ENSMUSGC	221.2952	-0.06812	0.126695	-0.53769	0.590789	0.895697	Ice2
ENSMUSG0ENSMUSGC	1173.392	0.081372	0.142508	0.570996	0.568002	0.888146	Rora
ENSMUSG0ENSMUSGC	911.5623	-0.0081	0.125958	-0.06428	0.948748	0.991149	Rp9
ENSMUSG0ENSMUSGC	6628.438	0.101157	0.096543	1.047797	0.294732	0.733828	Fem1b
ENSMUSG0ENSMUSGC	4126.421	-0.62829	0.078109	-8.04368	8.72E-16	1.17E-11	Cln6
ENSMUSG0ENSMUSGC	343.2886	0.230771	0.127641	1.807976	0.07061	0.425044	Calml4
ENSMUSG0ENSMUSGC	3819.104	-0.05407	0.109083	-0.49565	0.62014	0.907694	Anp32a
ENSMUSG0ENSMUSGC	727.323	-0.02697	0.08725	-0.30914	0.757212	0.945085	Irak1bp1
ENSMUSG0ENSMUSGC	2475.029	0.165118	0.100245	1.647137	0.09953	0.492051	Glce
ENSMUSG0ENSMUSGC	3064.439	0.125383	0.104924	1.194988	0.232092	0.681839	Phip
ENSMUSG0ENSMUSGC	1912.264	-0.01707	0.064658	-0.26395	0.791819	0.954653	Kif23
ENSMUSG0ENSMUSGC	334.0575	0.112875	0.132286	0.853264	0.393513	0.795777	Lca5
ENSMUSG0ENSMUSGC	977.7494	-0.12506	0.128949	-0.96982	0.332139	0.758	Sh3bgrl2
ENSMUSG0ENSMUSGC	864.1943	-0.04098	0.130172	-0.31483	0.752894	0.943694	Elovl4
ENSMUSG0ENSMUSGC	645.4079	0.103213	0.123171	0.837964	0.402051	0.79975	Bckdhb
ENSMUSG0ENSMUSGC	1816.534	0.080754	0.058996	1.368805	0.17106	0.612362	Zw10
ENSMUSG0ENSMUSGC	4930.347	-0.33601	0.11584	-2.90067	0.003724	0.087477	Fam46a
ENSMUSG0ENSMUSGC	595.209	0.064739	0.091736	0.705703	0.480373	0.846258	Usp28
ENSMUSG0ENSMUSGC	7624.982	0.214002	0.062506	3.423696	0.000618	0.027074	Idh3a
ENSMUSG0ENSMUSGC	3485.129	-0.09481	0.08308	-1.14123	0.253776	0.699717	Tle3

ENSMUSG0ENSMUSG0	1243.358	0.007749	0.121875	0.063578	0.949306	0.991149	Dnaja4
ENSMUSG0ENSMUSG0	1765.563	0.172096	0.117465	1.465077	0.1429	0.572126	Imp3
ENSMUSG0ENSMUSG0	64.22253	0.091922	0.142123	0.646776	0.517777	0.863952	Thsd4
ENSMUSG0ENSMUSG0	1286.42	0.104143	0.08461	1.230852	0.218378	0.668792	Ptpn9
ENSMUSG0ENSMUSG0	3426.408	0.010635	0.108311	0.098191	0.921781	0.985705	Ireb2
ENSMUSG0ENSMUSG0	99089.67	0.026768	0.117884	0.227073	0.820367	0.9604	Pkm
ENSMUSG0ENSMUSG0	1614.599	-0.04678	0.110696	-0.42258	0.6726	0.92689	Man2c1
ENSMUSG0ENSMUSG0	765.6363	0.074661	0.087579	0.852501	0.393936	0.796246	Celf6
ENSMUSG0ENSMUSG0	467.748	0.063071	0.108638	0.580561	0.561536	0.884626	Neil1
ENSMUSG0ENSMUSG0	1421.697	-0.03399	0.10382	-0.32737	0.74339	0.940717	Commd4
ENSMUSG0ENSMUSG0	519.8256	0.050066	0.11561	0.433061	0.664971	0.925058	1700017B0
ENSMUSG0ENSMUSG0	4275.924	0.10778	0.092016	1.171321	0.24147	0.689436	Psma4
ENSMUSG0ENSMUSG0	248.973	-0.20041	0.145848	-1.37411	0.169407	0.610039	Chrna3
ENSMUSG0ENSMUSG0	820.3878	0.035564	0.095437	0.372646	0.709412	0.934929	Fam219b
ENSMUSG0ENSMUSG0	1070.931	0.089306	0.075773	1.178607	0.238555	0.687826	Mpi
ENSMUSG0ENSMUSG0	1400.729	-0.07448	0.11685	-0.63741	0.523861	0.867498	Ube2q2
ENSMUSG0ENSMUSG0	713.1773	-0.23151	0.091919	-2.51869	0.011779	0.168581	Ulk3
ENSMUSG0ENSMUSG0	1262.693	-0.02687	0.080651	-0.33314	0.73903	0.940232	Fbxo22
ENSMUSG0ENSMUSG0	43.98983	-0.10013	0.145368	-0.68879	0.490958	0.852126	Nrg4
ENSMUSG0ENSMUSG0	1489.394	-0.06583	0.068961	-0.95466	0.339748	0.763007	Csk
ENSMUSG0ENSMUSG0	136.9896	-0.09286	0.140325	-0.66175	0.50813	0.858898	Tmem266
ENSMUSG0ENSMUSG0	3648.869	0.143621	0.08149	1.762429	0.077997	0.442523	Etfa
ENSMUSG0ENSMUSG0	53.60758	-0.49322	0.1433	-3.44189	0.000578	0.026086	Cyp1a1
ENSMUSG0ENSMUSG0	2614.773	-0.03487	0.121313	-0.28741	0.773799	0.949821	Clk3
ENSMUSG0ENSMUSG0	57.51666	-0.12582	0.139593	-0.90136	0.367398	0.783695	Isl2
ENSMUSG0ENSMUSG0	2545.054	0.129711	0.082759	1.567325	0.117039	0.526399	Rcn2
ENSMUSG0ENSMUSG0	8517.93	0.021589	0.066852	0.322939	0.746742	0.941492	Tspan3
ENSMUSG0ENSMUSG0	77.5696	-0.18753	0.142516	-1.31583	0.18823	0.635637	Stra6
ENSMUSG0ENSMUSG0	7589.03	0.110458	0.073217	1.508624	0.131395	0.552661	Tmem30a
ENSMUSG0ENSMUSG0	1481.806	-0.03451	0.06855	-0.50345	0.614646	0.905841	Hmg20a
ENSMUSG0ENSMUSG0	5859.078	0.086937	0.111942	0.776632	0.437376	0.819028	Cox7a2
ENSMUSG0ENSMUSG0	353.0764	0.060284	0.11683	0.515999	0.605855	0.902436	Stoml1
ENSMUSG0ENSMUSG0	6176.238	0.082542	0.048664	1.696169	0.089854	0.472413	Nptn
ENSMUSG0ENSMUSG0	1752.823	0.057374	0.120715	0.475284	0.634584	0.912468	Hcn4
ENSMUSG0ENSMUSG0	3818.734	0.112149	0.105196	1.066098	0.286379	0.726761	Neo1
ENSMUSG0ENSMUSG0	611.0909	-0.02672	0.10063	-0.26548	0.790637	0.954487	Mto1
ENSMUSG0ENSMUSG0	539.2711	-0.10736	0.104805	-1.0244	0.305648	0.741542	Mb21d1
ENSMUSG0ENSMUSG0	159.41	0.173676	0.14474	1.199918	0.230171	0.680403	Gsta4
ENSMUSG0ENSMUSG0	10102.94	-0.0453	0.105948	-0.42758	0.668958	0.925067	Elovl5
ENSMUSG0ENSMUSG0	1152.88	0.063145	0.075621	0.835016	0.403709	0.800157	Gclc
ENSMUSG0ENSMUSG0	1095.633	0.110051	0.062879	1.750206	0.080083	0.447519	Lrrc1
ENSMUSG0ENSMUSG0	9887.757	-0.20588	0.102747	-2.00378	0.045094	0.342308	Tmed3
ENSMUSG0ENSMUSG0	11815.11	0.064513	0.101417	0.636118	0.524699	0.867774	Rasgrf1
ENSMUSG0ENSMUSG0	37.12586	0.019298	0.143654	0.134334	0.893139	0.979424	Fam83b
ENSMUSG0ENSMUSG0	2839.126	-0.01788	0.121872	-0.1467	0.883367	0.976958	Ctsh
ENSMUSG0ENSMUSG0	1404.592	-0.17266	0.094081	-1.83521	0.066475	0.414252	Tpm1
ENSMUSG0ENSMUSG0	1051.988	-0.0958	0.0836	-1.14596	0.251812	0.697958	Plscr1
ENSMUSG0ENSMUSG0	350.0522	-0.41241	0.120608	-3.41939	0.000628	0.027327	Lactb
ENSMUSG0ENSMUSG0	2218.779	-0.10745	0.137223	-0.78307	0.433587	0.817251	Plod2
ENSMUSG0ENSMUSG0	522.8117	0.087951	0.085693	1.026354	0.304725	0.740458	Aph1b
ENSMUSG0ENSMUSG0	875.1651	-0.20081	0.108197	-1.85597	0.063458	0.405274	Usp3
ENSMUSG0ENSMUSG0	49.82651	-0.09197	0.144805	-0.63514	0.525337	0.868304	Plscr4

ENSMUSG0ENSMUSGC	1484.239	-0.095	0.089291	-1.06389	0.287378	0.727903	Fam96a
ENSMUSG0ENSMUSGC	2778.307	0.050603	0.066537	0.760525	0.446941	0.824037	Snx1
ENSMUSG0ENSMUSGC	9268.779	0.090416	0.091691	0.986085	0.324091	0.753676	Ppib
ENSMUSG0ENSMUSGC	905.1783	-0.06965	0.085653	-0.81316	0.416125	0.808479	Csnk1g1
ENSMUSG0ENSMUSGC	999.1921	0.054265	0.111956	0.484704	0.627886	0.910398	Trip4
ENSMUSG0ENSMUSGC	45.91047	0.09209	0.145038	0.634934	0.525471	0.868304	Rbpms2
ENSMUSG0ENSMUSGC	1824.776	-0.03123	0.090514	-0.34505	0.730058	0.938791	Spg21
ENSMUSG0ENSMUSGC	100.7379	-0.15175	0.144562	-1.04974	0.293838	0.733714	Parp16
ENSMUSG0ENSMUSGC	3200.443	0.002319	0.093038	0.024922	0.980117	0.996602	Dpp8
ENSMUSG0ENSMUSGC	1228.118	0.023497	0.064321	0.365305	0.714884	0.935647	Dis3l
ENSMUSG0ENSMUSGC	3232.897	0.099587	0.062233	1.600218	0.10955	0.512855	Tipin
ENSMUSG0ENSMUSGC	260.7952	-0.13064	0.130116	-1.00405	0.315356	0.748244	Snape5
ENSMUSG0ENSMUSGC	24199.6	0.104444	0.095057	1.098744	0.27188	0.714974	Rpl4
ENSMUSG0ENSMUSGC	1198.524	0.059687	0.073783	0.808956	0.418541	0.810635	Zwilch
ENSMUSG0ENSMUSGC	59.85062	-0.29138	0.144676	-2.01403	0.044006	0.337833	Smad3
ENSMUSG0ENSMUSGC	1028.75	0.071757	0.116866	0.614006	0.539211	0.873794	2300009A0
ENSMUSG0ENSMUSGC	1405.297	0.026101	0.087469	0.298406	0.765394	0.947712	Pias1
ENSMUSG0ENSMUSGC	3411.091	0.0612	0.105057	0.58254	0.560203	0.883939	U2surp
ENSMUSG0ENSMUSGC	1133.443	-0.00718	0.095419	-0.07522	0.940042	0.988086	Atr
ENSMUSG0ENSMUSGC	1147.502	-0.09923	0.103555	-0.95828	0.337921	0.760692	Xrn1
ENSMUSG0ENSMUSGC	2029.197	0.202683	0.145441	1.393572	0.163447	0.602536	Tfdp2
ENSMUSG0ENSMUSGC	6083.734	0.032371	0.13076	0.247557	0.804477	0.957462	Atp1b3
ENSMUSG0ENSMUSGC	866.6454	0.041699	0.098692	0.422519	0.672646	0.92689	Rasa2
ENSMUSG0ENSMUSGC	419.122	-0.02474	0.090426	-0.27357	0.784412	0.953021	Ube2cbp
ENSMUSG0ENSMUSGC	131.56	-0.04766	0.116273	-0.40991	0.681868	0.929953	Rwdd2a
ENSMUSG0ENSMUSGC	5125.875	0.220793	0.074685	2.956338	0.003113	0.077349	Me1
ENSMUSG0ENSMUSGC	1615.159	0.032639	0.066787	0.488704	0.625052	0.908091	Snx14
ENSMUSG0ENSMUSGC	5001.643	0.102003	0.077749	1.311946	0.189538	0.637324	Syncrip
ENSMUSG0ENSMUSGC	512.5284	-0.00624	0.083577	-0.07462	0.940517	0.988134	Zfp949
ENSMUSG0ENSMUSGC	534.8313	-0.01119	0.133647	-0.08375	0.933256	0.986608	Crtap
ENSMUSG0ENSMUSGC	1885.203	0.033926	0.088489	0.38339	0.701431	0.934077	Cmtm6
ENSMUSG0ENSMUSGC	2149.762	0.006643	0.053083	0.125148	0.900407	0.981243	Dync1li1
ENSMUSG0ENSMUSGC	5236.701	0.121412	0.093858	1.293576	0.195812	0.641996	Stt3b
ENSMUSG0ENSMUSGC	3177.884	0.065171	0.103929	0.62707	0.530614	0.869948	Slc25a36
ENSMUSG0ENSMUSGC	200.1267	-0.06318	0.129314	-0.48858	0.62514	0.908091	Clstn2
ENSMUSG0ENSMUSGC	257.456	-0.24806	0.114201	-2.17215	0.029844	0.277107	Nmnat3
ENSMUSG0ENSMUSGC	10041.26	0.159959	0.066966	2.388647	0.016911	0.203528	Copb2
ENSMUSG0ENSMUSGC	727.7046	0.202988	0.097322	2.085746	0.037002	0.312248	Mrps22
ENSMUSG0ENSMUSGC	650.855	-0.1099	0.089485	-1.22816	0.219389	0.669689	Pik3cb
ENSMUSG0ENSMUSGC	654.2633	0.059694	0.107829	0.553602	0.579852	0.892779	Faim
ENSMUSG0ENSMUSGC	1937.349	0.09122	0.073245	1.24541	0.212981	0.662162	Armc8
ENSMUSG0ENSMUSGC	912.0374	0.073945	0.0831	0.889832	0.373556	0.787458	Dbr1
ENSMUSG0ENSMUSGC	594.2944	0.042381	0.113524	0.373322	0.708908	0.934791	Mras
ENSMUSG0ENSMUSGC	1128.89	0.052897	0.093931	0.563152	0.573332	0.890076	Nck1
ENSMUSG0ENSMUSGC	2086.144	0.061883	0.063666	0.971987	0.331057	0.757395	Cdc25a
ENSMUSG0ENSMUSGC	538.3195	0.252393	0.097337	2.592991	0.009515	0.149334	Nme6
ENSMUSG0ENSMUSGC	5020.366	0.28171	0.087735	3.210902	0.001323	0.043457	Map4
ENSMUSG0ENSMUSGC	3160.71	0.148683	0.122981	1.208997	0.226664	0.675997	Dhx30
ENSMUSG0ENSMUSGC	3143.02	0.181893	0.080819	2.250608	0.02441	0.249486	Smarcc1
ENSMUSG0ENSMUSGC	100.3393	0.275977	0.13657	2.020771	0.043304	0.33585	Cspg5
ENSMUSG0ENSMUSGC	3069.744	-0.00312	0.056479	-0.05516	0.956012	0.992734	Scap
ENSMUSG0ENSMUSGC	57.57425	-0.06109	0.144531	-0.42271	0.67251	0.92689	Kif9

ENSMUSG0ENSMUSG0	88.25819	-0.02943	0.135025	-0.21794	0.827473	0.962789	Nradd
ENSMUSG0ENSMUSG0	1860.972	-0.00806	0.090158	-0.08939	0.928769	0.985705	Lrrfip2
ENSMUSG0ENSMUSG0	883.4032	0.026301	0.101289	0.259661	0.795125	0.955451	MIh1
ENSMUSG0ENSMUSG0	1193.821	-0.23533	0.079767	-2.95025	0.003175	0.078629	Trib1
ENSMUSG0ENSMUSG0	54.04848	0.063061	0.14222	0.443407	0.657471	0.921426	Arpp21
ENSMUSG0ENSMUSG0	6422.565	0.098956	0.084694	1.168396	0.242647	0.689768	Pdcd6ip
ENSMUSG0ENSMUSG0	666.3019	0.009756	0.091941	0.106109	0.915496	0.984522	Fbxl2
ENSMUSG0ENSMUSG0	358.1241	0.045527	0.08739	0.520964	0.602392	0.899985	Myd88
ENSMUSG0ENSMUSG0	1702.454	-0.02753	0.082157	-0.33514	0.737519	0.939837	Wdr48
ENSMUSG0ENSMUSG0	787.17	-0.11275	0.112991	-0.99783	0.31836	0.75003	Gorasp1
ENSMUSG0ENSMUSG0	224.6226	0.175802	0.131329	1.33864	0.180688	0.625876	Csrnp1
ENSMUSG0ENSMUSG0	82.50135	-0.00543	0.138804	-0.03911	0.968803	0.995539	Mobp
ENSMUSG0ENSMUSG0	27624.51	0.093121	0.104292	0.892893	0.371914	0.786113	Rpsa
ENSMUSG0ENSMUSG0	482.6927	0.177921	0.091404	1.946533	0.051591	0.367402	Slc25a38
ENSMUSG0ENSMUSG0	5661.895	-0.01699	0.135896	-0.12501	0.900514	0.981243	Nktr
ENSMUSG0ENSMUSG0	1608.988	0.16176	0.096632	1.673975	0.094136	0.481926	Ss18l2
ENSMUSG0ENSMUSG0	1783.502	0.156604	0.128697	1.216848	0.223662	0.673605	Pccb
ENSMUSG0ENSMUSG0	2759.231	-0.1634	0.1001	-1.63233	0.102611	0.499227	Vipr1
ENSMUSG0ENSMUSG0	761.0189	0.006433	0.099853	0.064429	0.948629	0.991149	Amotl2
ENSMUSG0ENSMUSG0	100255.4	-0.07112	0.134991	-0.52687	0.598287	0.898371	Cck
ENSMUSG0ENSMUSG0	1010.119	0.013583	0.095027	0.142934	0.886342	0.977978	Cep63
ENSMUSG0ENSMUSG0	4978.938	0.260727	0.081057	3.216591	0.001297	0.043018	Trak1
ENSMUSG0ENSMUSG0	886.3099	-0.03846	0.077195	-0.49821	0.618338	0.907335	Abhd5
ENSMUSG0ENSMUSG0	2662.28	0.151239	0.061272	2.468316	0.013575	0.181916	Ryk
ENSMUSG0ENSMUSG0	39.48181	-0.22772	0.141254	-1.6121	0.10694	0.507302	Slco2a1
ENSMUSG0ENSMUSG0	550.0995	-0.16733	0.135856	-1.2317	0.218062	0.668743	Rab6b
ENSMUSG0ENSMUSG0	414.4027	0.004263	0.107582	0.039621	0.968395	0.995519	1110059G1
ENSMUSG0ENSMUSG0	5061.035	0.04877	0.11333	0.430337	0.666951	0.925067	Srprb
ENSMUSG0ENSMUSG0	5241.859	0.046946	0.111298	0.421806	0.673167	0.927156	Topbp1
ENSMUSG0ENSMUSG0	2966.199	0.110548	0.087683	1.260772	0.207391	0.655474	Uba5
ENSMUSG0ENSMUSG0	186.4951	-0.05232	0.145933	-0.35851	0.719958	0.936421	Nphp3
ENSMUSG0ENSMUSG0	2039.602	0.062667	0.101151	0.61954	0.535561	0.872592	Dnajc13
ENSMUSG0ENSMUSG0	8811.416	-0.05552	0.12579	-0.4414	0.658926	0.922097	Gnai2
ENSMUSG0ENSMUSG0	1742.647	0.095993	0.069285	1.385473	0.165908	0.605102	Mrpl3
ENSMUSG0ENSMUSG0	1271.743	0.125729	0.102917	1.221659	0.221837	0.672097	Cpne4
ENSMUSG0ENSMUSG0	315.1807	-0.23669	0.103018	-2.2976	0.021584	0.233807	Nudt16
ENSMUSG0ENSMUSG0	411.7109	0.055328	0.074512	0.742539	0.457761	0.831647	Aste1
ENSMUSG0ENSMUSG0	5820.163	0.034747	0.09808	0.354274	0.723133	0.937763	Atp2c1
ENSMUSG0ENSMUSG0	1206.412	-0.05606	0.097737	-0.57356	0.566263	0.887314	Pik3r4
ENSMUSG0ENSMUSG0	11453.25	0.102436	0.085008	1.205013	0.228198	0.677662	Manf
ENSMUSG0ENSMUSG0	1155.555	-0.28633	0.145631	-1.96614	0.049282	0.358874	Cish
ENSMUSG0ENSMUSG0	399.8747	-0.2036	0.136739	-1.48895	0.136501	0.563112	Hemk1
ENSMUSG0ENSMUSG0	3970.975	0.008325	0.065431	0.127231	0.898757	0.981094	Rbm5
ENSMUSG0ENSMUSG0	1974.136	0.031699	0.07085	0.44741	0.654579	0.919908	Rbm6
ENSMUSG0ENSMUSG0	594.4491	0.099116	0.093013	1.065619	0.286596	0.726931	Mon1a
ENSMUSG0ENSMUSG0	762.1379	0.171155	0.08212	2.084204	0.037142	0.312443	Traip
ENSMUSG0ENSMUSG0	1137.775	-0.09444	0.095291	-0.99107	0.321653	0.751751	Bsn
ENSMUSG0ENSMUSG0	2114.014	0.111165	0.112294	0.989951	0.322198	0.751983	Apeh
ENSMUSG0ENSMUSG0	552.5622	0.048322	0.104145	0.463993	0.642653	0.914852	Amigo3
ENSMUSG0ENSMUSG0	3609.763	-0.05605	0.090256	-0.62105	0.534567	0.87213	Ip6k1
ENSMUSG0ENSMUSG0	44.01737	-0.21301	0.141492	-1.50545	0.132208	0.55486	Uba7
ENSMUSG0ENSMUSG0	678.5346	0.063879	0.077211	0.827333	0.408048	0.802351	Nckip5d

ENSMUSG0ENSMUSGC	1636.529	0.015501	0.091664	0.169104	0.865715	0.974239	Ip6k2
ENSMUSG0ENSMUSGC	2310.891	-0.20591	0.078477	-2.62379	0.008696	0.141566	Prkar2a
ENSMUSG0ENSMUSGC	635.5656	-0.01803	0.097923	-0.18416	0.853888	0.970159	Slc25a20
ENSMUSG0ENSMUSGC	2194.453	0.101836	0.089592	1.136658	0.255681	0.701792	Qars
ENSMUSG0ENSMUSGC	1079.05	0.180445	0.078569	2.296649	0.021639	0.234018	Nicn1
ENSMUSG0ENSMUSGC	280.8988	-0.10027	0.123053	-0.81488	0.415143	0.807961	Amt
ENSMUSG0ENSMUSGC	237.2718	-0.45557	0.127201	-3.58147	0.000342	0.018565	Klhdc8b
ENSMUSG0ENSMUSGC	3371.394	0.215569	0.108505	1.986726	0.046953	0.349224	Usp4
ENSMUSG0ENSMUSGC	696.7928	0.0148	0.124831	0.118559	0.905625	0.982338	Nt5m
ENSMUSG0ENSMUSGC	2678.476	-0.03419	0.103775	-0.32946	0.741809	0.94054	Srek1
ENSMUSG0ENSMUSGC	881.3946	-0.12077	0.079361	-1.52175	0.128071	0.547437	Eml4
ENSMUSG0ENSMUSGC	122.3923	-0.103	0.145986	-0.70557	0.480456	0.846258	Thsd7a
ENSMUSG0ENSMUSGC	1565.341	-0.02272	0.145937	-0.15571	0.87626	0.97608	Flcn
ENSMUSG0ENSMUSGC	5815.932	0.082983	0.119752	0.692956	0.488337	0.850258	Atxn2l
ENSMUSG0ENSMUSGC	154.4372	0.163459	0.107913	1.514731	0.129841	0.549234	Chsy1
ENSMUSG0ENSMUSGC	348.5031	0.194417	0.105837	1.836948	0.066218	0.413684	Gpr19
ENSMUSG0ENSMUSGC	230.9599	-0.01393	0.142555	-0.09769	0.922176	0.985705	Colgalt2
ENSMUSG0ENSMUSGC	507.4921	0.007633	0.128215	0.059532	0.952528	0.992357	Crebl2
ENSMUSG0ENSMUSGC	196.8114	0.225287	0.114335	1.970415	0.048791	0.356386	Mar-03
ENSMUSG0ENSMUSGC	1249.789	-0.06937	0.109301	-0.63462	0.525674	0.868304	Fam189b
ENSMUSG0ENSMUSGC	835.3228	0.154611	0.118948	1.299817	0.193664	0.639447	1700025G0
ENSMUSG0ENSMUSGC	509.3271	0.090192	0.082998	1.08668	0.277178	0.71903	Prorsd1
ENSMUSG0ENSMUSGC	406.5032	-0.09193	0.107032	-0.85894	0.390374	0.794806	Malt1
ENSMUSG0ENSMUSGC	83.97287	-0.08026	0.141426	-0.56753	0.570354	0.888936	Oas2
ENSMUSG0ENSMUSGC	137.7538	-0.03826	0.142472	-0.26858	0.788254	0.954285	Lmo2
ENSMUSG0ENSMUSGC	427.6445	-0.17823	0.094723	-1.88159	0.059891	0.3947	Kank1
ENSMUSG0ENSMUSGC	687.7092	-0.10661	0.070087	-1.5211	0.128236	0.547437	Exd2
ENSMUSG0ENSMUSGC	859.7752	-0.07717	0.090102	-0.85651	0.391714	0.794949	2810474O1
ENSMUSG0ENSMUSGC	66.1268	0.081063	0.143976	0.563033	0.573413	0.890076	Syde1
ENSMUSG0ENSMUSGC	493.4508	-0.00702	0.103585	-0.06776	0.945978	0.989708	Trib3
ENSMUSG0ENSMUSGC	684.2973	-0.10312	0.086714	-1.18922	0.234355	0.68322	Abtb2
ENSMUSG0ENSMUSGC	728.8827	-0.0665	0.093238	-0.71327	0.475677	0.842616	Mier3
ENSMUSG0ENSMUSGC	173.0597	0.089504	0.121178	0.73862	0.460138	0.832633	Snx33
ENSMUSG0ENSMUSGC	1410.908	-0.18084	0.128856	-1.40346	0.160479	0.599197	Inpp1
ENSMUSG0ENSMUSGC	1758.726	-0.03028	0.132788	-0.22803	0.819627	0.960195	Ccdc88a
ENSMUSG0ENSMUSGC	2688.192	0.199337	0.102137	1.951674	0.050977	0.364804	Tpcn1
ENSMUSG0ENSMUSGC	620.5586	-0.12029	0.085278	-1.41055	0.158378	0.59683	D430042OC
ENSMUSG0ENSMUSGC	3224.318	0.043748	0.05995	0.729741	0.465549	0.836748	Gbbp1
ENSMUSG0ENSMUSGC	194.7548	0.21521	0.138866	1.549769	0.121197	0.534138	Slc8b1
ENSMUSG0ENSMUSGC	1406.908	0.022199	0.111191	0.199648	0.841756	0.966812	Bet1
ENSMUSG0ENSMUSGC	515.3032	-0.11093	0.085657	-1.295	0.195321	0.641176	Ilvbl
ENSMUSG0ENSMUSGC	92.75447	0.144472	0.146005	0.989499	0.322419	0.752011	Trpa1
ENSMUSG0ENSMUSGC	248.9465	0.018458	0.133035	0.138747	0.88965	0.978618	Mctp2
ENSMUSG0ENSMUSGC	4064.341	0.022086	0.097048	0.227576	0.819976	0.960195	Gtf3c1
ENSMUSG0ENSMUSGC	5473.958	-0.22727	0.098841	-2.29938	0.021484	0.233094	Cntrob
ENSMUSG0ENSMUSGC	1434.039	0.047438	0.063362	0.748684	0.454048	0.828567	Troap
ENSMUSG0ENSMUSGC	1968.855	0.083476	0.088154	0.946939	0.34367	0.765894	Alas1
ENSMUSG0ENSMUSGC	1426.798	0.452157	0.070276	6.434033	1.24E-10	2.37E-07	Pdxk
ENSMUSG0ENSMUSGC	2785.265	0.088579	0.099087	0.89396	0.371343	0.78587	Srxn1
ENSMUSG0ENSMUSGC	4877.59	-0.03092	0.087295	-0.35425	0.723155	0.937763	Cdv3
ENSMUSG0ENSMUSGC	436.8094	0.087238	0.075192	1.160207	0.245965	0.69389	Slc10a3
ENSMUSG0ENSMUSGC	1016.43	-0.03189	0.098444	-0.3239	0.746017	0.941322	Arap1

ENSMUSG0ENSMUSGC	1304.808	0.048992	0.076891	0.637167	0.524016	0.867549	Fanca
ENSMUSG0ENSMUSGC	3294.235	0.040481	0.089971	0.449933	0.652759	0.919812	Ank2
ENSMUSG0ENSMUSGC	659.8106	0.104522	0.093879	1.113377	0.265547	0.708961	Pwp2
ENSMUSG0ENSMUSGC	2075.109	-0.00879	0.1132	-0.07766	0.938098	0.9876	Trpc1
ENSMUSG0ENSMUSGC	980.7324	0.051691	0.073547	0.702825	0.482165	0.846451	2410131K1
ENSMUSG0ENSMUSGC	241.5004	0.212854	0.12679	1.678792	0.093193	0.478749	Prr5l
ENSMUSG0ENSMUSGC	330.0661	-0.1407	0.093023	-1.51252	0.1304	0.550676	Abcc10
ENSMUSG0ENSMUSGC	941.3649	-0.29394	0.109712	-2.6792	0.00738	0.130484	Abcc4
ENSMUSG0ENSMUSGC	579.0194	-0.08585	0.13524	-0.63483	0.525542	0.868304	Rnft2
ENSMUSG0ENSMUSGC	104.3439	0.049239	0.143426	0.343302	0.731371	0.938791	Rspo4
ENSMUSG0ENSMUSGC	2384.855	-0.06573	0.097151	-0.67657	0.498682	0.854162	Pkd1
ENSMUSG0ENSMUSGC	3123.552	0.108299	0.066161	1.636892	0.101653	0.497207	Fbxw8
ENSMUSG0ENSMUSGC	1940.971	0.06732	0.092289	0.729446	0.465729	0.836748	Psmf1
ENSMUSG0ENSMUSGC	8204.909	0.197128	0.066358	2.970655	0.002972	0.074806	Smap2
ENSMUSG0ENSMUSGC	2097.71	-0.30953	0.106933	-2.89459	0.003797	0.088876	Cyb5r4
ENSMUSG0ENSMUSGC	5386.524	0.194669	0.114156	1.705295	0.088139	0.467895	Arhgef17
ENSMUSG0ENSMUSGC	1168.303	0.085476	0.146003	0.585438	0.558253	0.882888	Acsl3
ENSMUSG0ENSMUSGC	992.7898	0.007246	0.116281	0.062316	0.950312	0.991323	Rims3
ENSMUSG0ENSMUSGC	278.3291	0.172305	0.129497	1.330571	0.18333	0.630133	Rangrf
ENSMUSG0ENSMUSGC	2643.25	0.119508	0.06871	1.739312	0.08198	0.452446	Nfyc
ENSMUSG0ENSMUSGC	2255.603	-0.03891	0.088854	-0.43788	0.661475	0.923825	Fbxo21
ENSMUSG0ENSMUSGC	544.4673	0.218463	0.089674	2.436182	0.014843	0.190903	Styk1
ENSMUSG0ENSMUSGC	1515.743	0.027117	0.14135	0.19184	0.847868	0.968759	Slc16a1
ENSMUSG0ENSMUSGC	1417.099	-0.05814	0.075072	-0.77443	0.438676	0.819958	Atg12
ENSMUSG0ENSMUSGC	2152.584	-0.19975	0.074886	-2.66739	0.007644	0.132189	Sgpp2
ENSMUSG0ENSMUSGC	689.6945	0.112569	0.082221	1.369099	0.170968	0.612198	Lrig2
ENSMUSG0ENSMUSGC	106.0269	0.003892	0.13195	0.029493	0.976471	0.996317	Itgbl1
ENSMUSG0ENSMUSGC	5187.517	0.032621	0.116255	0.280597	0.779019	0.951368	Hspa13
ENSMUSG0ENSMUSGC	12582.02	0.005658	0.119876	0.047202	0.962352	0.994289	Nup93
ENSMUSG0ENSMUSGC	98.42834	-0.01036	0.129541	-0.07994	0.936287	0.986886	Rbm11
ENSMUSG0ENSMUSGC	759.3108	-0.00223	0.071363	-0.03129	0.975039	0.996035	Ap4b1
ENSMUSG0ENSMUSGC	11409.92	0.147186	0.097168	1.51475	0.129836	0.549234	Pebp1
ENSMUSG0ENSMUSGC	1384.088	-0.0076	0.095649	-0.07945	0.936675	0.986886	Ift57
ENSMUSG0ENSMUSGC	11195.78	0.180209	0.078353	2.299947	0.021451	0.232931	Fkbp1a
ENSMUSG0ENSMUSGC	221.8688	-0.30608	0.122934	-2.48981	0.012781	0.175967	Inha
ENSMUSG0ENSMUSGC	1899.99	0.136271	0.086179	1.581251	0.113821	0.520151	Fam207a
ENSMUSG0ENSMUSGC	40.16282	-0.18409	0.144461	-1.27435	0.20254	0.650197	Slc16a8
ENSMUSG0ENSMUSGC	5347.617	0.086993	0.078552	1.107455	0.268097	0.711607	Chpf
ENSMUSG0ENSMUSGC	2917.206	0.274737	0.067938	4.043918	5.26E-05	0.00511	Foxj3
ENSMUSG0ENSMUSGC	2651.516	0.024233	0.083748	0.289354	0.77231	0.94946	Mycbp2
ENSMUSG0ENSMUSGC	1110.86	0.226616	0.105862	2.140676	0.0323	0.2888	Ogfod1
ENSMUSG0ENSMUSGC	1630.534	0.119385	0.104107	1.146753	0.251484	0.697958	Trim33
ENSMUSG0ENSMUSGC	63.41922	-0.49196	0.134856	-3.64803	0.000264	0.015425	Nfatc1
ENSMUSG0ENSMUSGC	1431.609	0.200869	0.098892	2.031185	0.042236	0.332884	Polr2f
ENSMUSG0ENSMUSGC	4075.128	0.015459	0.083019	0.186205	0.852284	0.9698	Gmppa
ENSMUSG0ENSMUSGC	663.2956	-0.04533	0.102687	-0.44141	0.658919	0.922097	Cdo1
ENSMUSG0ENSMUSGC	254.2329	0.195863	0.111761	1.75252	0.079684	0.4466	1700088E0
ENSMUSG0ENSMUSGC	2688.418	0.060823	0.091792	0.66261	0.50758	0.858839	C330027C0
ENSMUSG0ENSMUSGC	90.52297	-0.05307	0.128515	-0.41299	0.679616	0.928688	Calhm2
ENSMUSG0ENSMUSGC	629.5933	-0.1059	0.116469	-0.90927	0.363209	0.780897	Micall1
ENSMUSG0ENSMUSGC	6463.168	0.096185	0.063322	1.518991	0.128765	0.547624	Eif3l
ENSMUSG0ENSMUSGC	1482.299	0.09202	0.119049	0.772962	0.439545	0.820656	Npat

ENSMUSG0ENSMUSG0	2499.05	0.006977	0.082474	0.084599	0.932581	0.986608	Ankrd54
ENSMUSG0ENSMUSG0	657.6762	0.190718	0.100548	1.896789	0.057856	0.388037	Pygb
ENSMUSG0ENSMUSG0	4182.263	0.233637	0.128562	1.817315	0.069169	0.421414	Lmo7
ENSMUSG0ENSMUSG0	17113.99	-0.08377	0.107284	-0.78084	0.434894	0.81783	Resp18
ENSMUSG0ENSMUSG0	2531.991	0.096321	0.083462	1.154063	0.248474	0.696009	Pfkm
ENSMUSG0ENSMUSG0	256.7173	0.304117	0.101342	3.000894	0.002692	0.070554	Entpd6
ENSMUSG0ENSMUSG0	2393.651	-0.0351	0.092284	-0.38033	0.7037	0.934376	Senp1
ENSMUSG0ENSMUSG0	1021.17	0.103821	0.111694	0.929511	0.352624	0.773559	Tbc1d4
ENSMUSG0ENSMUSG0	1515.519	-0.08663	0.062517	-1.38575	0.165822	0.605102	Triobp
ENSMUSG0ENSMUSG0	964.3885	-0.42609	0.089091	-4.78264	1.73E-06	0.000432	Apmap
ENSMUSG0ENSMUSG0	1159.027	-0.00861	0.099891	-0.08618	0.931327	0.986376	Nol12
ENSMUSG0ENSMUSG0	851.6106	-0.04237	0.093762	-0.4519	0.651345	0.919217	Cdc14b
ENSMUSG0ENSMUSG0	2216.342	0.211262	0.134101	1.575393	0.115166	0.522716	Lss
ENSMUSG0ENSMUSG0	976.9862	-0.06543	0.088304	-0.74093	0.458739	0.832245	Slc7a6os
ENSMUSG0ENSMUSG0	729.098	-0.06314	0.133307	-0.47365	0.635751	0.912525	3830406C1
ENSMUSG0ENSMUSG0	232.2261	-0.31909	0.108837	-2.93183	0.00337	0.081304	Slc35d2
ENSMUSG0ENSMUSG0	2561.999	0.136838	0.097464	1.403975	0.160326	0.599011	Atg9a
ENSMUSG0ENSMUSG0	168.4415	-0.25426	0.129404	-1.96485	0.049431	0.3591	Ybey
ENSMUSG0ENSMUSG0	2449.313	-0.02504	0.077011	-0.32512	0.745094	0.941278	Gga1
ENSMUSG0ENSMUSG0	872.3104	0.149411	0.07907	1.889594	0.058812	0.391735	Slc22a15
ENSMUSG0ENSMUSG0	40.5369	-0.21714	0.125251	-1.73367	0.082977	0.454942	Phldb2
ENSMUSG0ENSMUSG0	1164.951	0.055769	0.084256	0.661908	0.50803	0.858898	Abhd10
ENSMUSG0ENSMUSG0	1455.781	-0.01455	0.11707	-0.12426	0.901106	0.981243	Cnppd1
ENSMUSG0ENSMUSG0	33288.25	-0.00356	0.087005	-0.04092	0.967357	0.995126	Atp1a1
ENSMUSG0ENSMUSG0	955.4439	0.063112	0.073881	0.854235	0.392975	0.795486	Dis3
ENSMUSG0ENSMUSG0	294.9275	-0.25029	0.141394	-1.77012	0.076707	0.439587	Card10
ENSMUSG0ENSMUSG0	5589.822	0.001171	0.114157	0.010262	0.991813	0.998539	Tmed7
ENSMUSG0ENSMUSG0	2106.959	0.08758	0.089805	0.975224	0.329449	0.755901	Mzt1
ENSMUSG0ENSMUSG0	84.53483	-0.13317	0.139156	-0.95695	0.338591	0.761303	Mamdc2
ENSMUSG0ENSMUSG0	2902.049	0.320526	0.121727	2.633154	0.00846	0.13995	Ttc28
ENSMUSG0ENSMUSG0	652.1022	-0.0863	0.083903	-1.02858	0.303679	0.739759	Slitrk5
ENSMUSG0ENSMUSG0	1170.03	0.062739	0.081973	0.765354	0.444061	0.823181	Eefsec
ENSMUSG0ENSMUSG0	471.9354	-0.08047	0.09233	-0.87159	0.383433	0.790739	Ttf2
ENSMUSG0ENSMUSG0	3683.875	-0.08644	0.082753	-1.04452	0.296246	0.735498	Scaf11
ENSMUSG0ENSMUSG0	140.8078	-0.15627	0.110633	-1.4125	0.157802	0.596629	Trim45
ENSMUSG0ENSMUSG0	1669.913	-0.16741	0.076714	-2.18224	0.029092	0.273828	Arid2
ENSMUSG0ENSMUSG0	556.8537	-0.05923	0.092639	-0.63935	0.522597	0.867021	Hsf4
ENSMUSG0ENSMUSG0	1467.682	-0.03177	0.092938	-0.34188	0.73244	0.938791	Szt2
ENSMUSG0ENSMUSG0	160.5517	0.074721	0.135702	0.550627	0.581889	0.892926	Shf
ENSMUSG0ENSMUSG0	993.2835	-0.06984	0.107685	-0.64857	0.516619	0.863191	Ttll4
ENSMUSG0ENSMUSG0	2910.062	-0.01664	0.052456	-0.31731	0.751005	0.942731	Slc35a4
ENSMUSG0ENSMUSG0	253.7894	0.032967	0.104728	0.314783	0.752926	0.943694	Stk36
ENSMUSG0ENSMUSG0	454.596	-0.03402	0.091658	-0.37122	0.710475	0.935381	Ptpm
ENSMUSG0ENSMUSG0	490.7888	-0.14668	0.131183	-1.11814	0.263507	0.706862	Rpgrip1l
ENSMUSG0ENSMUSG0	899.0275	0.11407	0.118872	0.959604	0.337255	0.760159	Wdr3
ENSMUSG0ENSMUSG0	1288.251	-0.10442	0.066009	-1.58199	0.113653	0.519739	Kctd17
ENSMUSG0ENSMUSG0	1189.237	0.122053	0.072245	1.689416	0.09114	0.474462	Noc4l
ENSMUSG0ENSMUSG0	10495.07	-0.01379	0.10175	-0.13557	0.892161	0.979424	Ptpm
ENSMUSG0ENSMUSG0	898.3621	-0.15028	0.090537	-1.65982	0.09695	0.486645	Lpp
ENSMUSG0ENSMUSG0	15502.88	-0.02668	0.133075	-0.20045	0.841127	0.96667	Mif
ENSMUSG0ENSMUSG0	480.8959	0.051495	0.119748	0.430029	0.667175	0.925067	Fbxl8
ENSMUSG0ENSMUSG0	455.1585	-0.24373	0.095143	-2.56177	0.010414	0.157405	Galnt9

ENSMUSG0ENSMUSG0	147.3996	-0.12805	0.108599	-1.17909	0.238364	0.687563	Gstt2
ENSMUSG0ENSMUSG0	1134.806	-0.05792	0.081013	-0.71498	0.474624	0.842114	Fem1c
ENSMUSG0ENSMUSG0	981.445	0.046517	0.095689	0.486129	0.626876	0.909722	Ctdp1
ENSMUSG0ENSMUSG0	1380.428	0.075027	0.120909	0.620528	0.53491	0.87213	Kdm4a
ENSMUSG0ENSMUSG0	4947.116	0.150953	0.066621	2.265858	0.02346	0.244449	Dnm2
ENSMUSG0ENSMUSG0	70.48099	0.040779	0.145402	0.280454	0.779129	0.951368	Chst2
ENSMUSG0ENSMUSG0	2023.804	0.042225	0.071048	0.594322	0.552297	0.880447	Map2k4
ENSMUSG0ENSMUSG0	105.3218	-0.24757	0.140008	-1.76822	0.077024	0.440137	Rtp4
ENSMUSG0ENSMUSG0	71.60469	0.118841	0.146	0.813979	0.415657	0.80834	Pus7l
ENSMUSG0ENSMUSG0	1841.851	0.032396	0.085835	0.377423	0.705859	0.934791	Usp37
ENSMUSG0ENSMUSG0	1512.078	0.03557	0.101979	0.348795	0.727243	0.938587	Ipo13
ENSMUSG0ENSMUSG0	970.4162	-0.07655	0.082755	-0.92496	0.354984	0.774327	Fntb
ENSMUSG0ENSMUSG0	10102.46	0.051598	0.12872	0.400856	0.688526	0.931407	Atp6v0b
ENSMUSG0ENSMUSG0	2051.945	-0.04469	0.116627	-0.38323	0.70155	0.934077	Trappc8
ENSMUSG0ENSMUSG0	346.9468	-0.05461	0.145477	-0.37541	0.707358	0.934791	Frrs1
ENSMUSG0ENSMUSG0	580.5881	-0.02155	0.125937	-0.17109	0.864149	0.973828	Arhgap44
ENSMUSG0ENSMUSG0	3288.552	0.037552	0.111215	0.337655	0.735623	0.938988	Clasp2
ENSMUSG0ENSMUSG0	1148.091	-0.11532	0.106488	-1.08295	0.278829	0.720991	Spg11
ENSMUSG0ENSMUSG0	2087.789	0.103877	0.090149	1.152281	0.249205	0.696015	Agl
ENSMUSG0ENSMUSG0	109.0037	0.00534	0.122661	0.043532	0.965277	0.994842	Nudt15
ENSMUSG0ENSMUSG0	704.7657	-0.01743	0.118442	-0.14718	0.882987	0.976958	Ctdspl2
ENSMUSG0ENSMUSG0	1149.1	-0.12189	0.074136	-1.64411	0.100154	0.493095	Gucd1
ENSMUSG0ENSMUSG0	2334.603	-0.04712	0.094811	-0.49696	0.61922	0.907335	Cacul1
ENSMUSG0ENSMUSG0	3472.086	0.089754	0.085553	1.049106	0.294129	0.733786	Snap91
ENSMUSG0ENSMUSG0	46.06136	-0.24192	0.145834	-1.65884	0.097148	0.487088	Antxr1
ENSMUSG0ENSMUSG0	2261.958	0.110066	0.078045	1.410299	0.158451	0.59683	Eri3
ENSMUSG0ENSMUSG0	2523.875	-0.13064	0.107148	-1.21924	0.222754	0.672985	Upb1
ENSMUSG0ENSMUSG0	412.0292	0.120266	0.13447	0.894366	0.371126	0.785689	Mcee
ENSMUSG0ENSMUSG0	1339.804	0.105078	0.068961	1.523738	0.127574	0.546565	Terf2ip
ENSMUSG0ENSMUSG0	910.9318	-0.07173	0.107204	-0.66907	0.503453	0.856225	Gtpbp6
ENSMUSG0ENSMUSG0	4151.483	0.240165	0.085158	2.820222	0.004799	0.101688	Armcx2
ENSMUSG0ENSMUSG0	326.1619	-0.07139	0.118103	-0.60448	0.545522	0.875705	Trmt13
ENSMUSG0ENSMUSG0	4581.937	0.127426	0.122479	1.040394	0.298157	0.73658	Specc1l
ENSMUSG0ENSMUSG0	704.2812	-0.08671	0.109657	-0.79076	0.429084	0.815457	Zbtb1
ENSMUSG0ENSMUSG0	184.8697	-0.03196	0.131505	-0.24303	0.807983	0.958353	Fan1
ENSMUSG0ENSMUSG0	1392.016	0.056827	0.133615	0.425306	0.670614	0.925833	Armcx1
ENSMUSG0ENSMUSG0	502.0259	-0.14808	0.113371	-1.30612	0.191511	0.638563	Crlf2
ENSMUSG0ENSMUSG0	3745.353	0.090199	0.101959	0.884661	0.376339	0.788361	Tomm6
ENSMUSG0ENSMUSG0	979.5369	-0.10461	0.11651	-0.89784	0.369269	0.784801	Fam160b1
ENSMUSG0ENSMUSG0	99.71072	-0.14404	0.140545	-1.02487	0.305423	0.741488	Catsper2
ENSMUSG0ENSMUSG0	5175.99	-0.02516	0.106133	-0.23706	0.812609	0.958721	Fndc3a
ENSMUSG0ENSMUSG0	43.54785	0.14645	0.137029	1.068749	0.285183	0.725826	Prss35
ENSMUSG0ENSMUSG0	4175.235	0.176544	0.077021	2.292162	0.021896	0.235634	Larp4b
ENSMUSG0ENSMUSG0	94.68234	-0.13257	0.139792	-0.94831	0.342971	0.765528	Cdc14a
ENSMUSG0ENSMUSG0	464.7644	-0.12344	0.139086	-0.88748	0.374823	0.787458	Otud7a
ENSMUSG0ENSMUSG0	2649.08	0.064293	0.097115	0.662029	0.507952	0.858898	Ppip5k1
ENSMUSG0ENSMUSG0	1311.422	-0.35197	0.108921	-3.23141	0.001232	0.041791	Ttc7b
ENSMUSG0ENSMUSG0	49.02889	-0.14141	0.144233	-0.98045	0.326866	0.754362	Casp4
ENSMUSG0ENSMUSG0	766.1306	-0.11926	0.130934	-0.91081	0.362397	0.780559	Idua
ENSMUSG0ENSMUSG0	1103.282	-0.06937	0.090117	-0.76977	0.441439	0.821484	Arhgef5
ENSMUSG0ENSMUSG0	2800.321	0.103955	0.071982	1.444172	0.148691	0.581374	Gtf2a2
ENSMUSG0ENSMUSG0	61.5025	0.32985	0.145647	2.264727	0.023529	0.244761	Angptl1

ENSMUSG0ENSMUSGC	1861.438	0.019843	0.105579	0.187946	0.850919	0.969606	Znrf1
ENSMUSG0ENSMUSGC	258.1988	-0.03323	0.105315	-0.31554	0.752352	0.943582	Dph5
ENSMUSG0ENSMUSGC	5258.672	-0.05979	0.084885	-0.70442	0.481169	0.846451	Fam20b
ENSMUSG0ENSMUSGC	3335.556	0.088024	0.050586	1.740084	0.081844	0.451885	Rbfox2
ENSMUSG0ENSMUSGC	177.269	-0.05778	0.137946	-0.41888	0.675301	0.927604	Adgrb3
ENSMUSG0ENSMUSGC	1185.138	-0.05757	0.120981	-0.47586	0.634175	0.912412	Myo6
ENSMUSG0ENSMUSGC	323.2391	-0.10388	0.146001	-0.71147	0.476793	0.843045	Tmem35a
ENSMUSG0ENSMUSGC	127.1258	0.034263	0.121288	0.282498	0.777562	0.950382	Fa2h
ENSMUSG0ENSMUSGC	1438.869	0.015551	0.125786	0.123629	0.901609	0.981577	Reep4
ENSMUSG0ENSMUSGC	216.5768	-0.03016	0.101097	-0.29836	0.76543	0.947712	Spata2l
ENSMUSG0ENSMUSGC	4392.943	-0.03376	0.112863	-0.29915	0.764823	0.947561	Rfwd3
ENSMUSG0ENSMUSGC	352.6113	-0.13308	0.10642	-1.25052	0.211111	0.660254	Caskin1
ENSMUSG0ENSMUSGC	733.1712	0.02052	0.081717	0.251115	0.801726	0.95676	Pank1
ENSMUSG0ENSMUSGC	140.005	0.261469	0.131181	1.993188	0.046241	0.346275	Cplx1
ENSMUSG0ENSMUSGC	107.4605	-0.21261	0.145955	-1.45669	0.145202	0.575087	Map3k13
ENSMUSG0ENSMUSGC	2046.812	-0.03176	0.077589	-0.40934	0.682287	0.930004	Pcgf3
ENSMUSG0ENSMUSGC	262.5399	-0.09585	0.145791	-0.65746	0.510883	0.860852	Pdpr
ENSMUSG0ENSMUSGC	1285.127	0.009531	0.082009	0.116223	0.907476	0.982338	Pik3c3
ENSMUSG0ENSMUSGC	4449.071	0.137655	0.05515	2.496	0.01256	0.173802	Hacd3
ENSMUSG0ENSMUSGC	807.2161	0.015669	0.087581	0.178904	0.858013	0.972127	AW554918
ENSMUSG0ENSMUSGC	2424.363	0.262986	0.13746	1.91318	0.055725	0.381597	Vps8
ENSMUSG0ENSMUSGC	1273.619	-0.18763	0.097172	-1.93092	0.053493	0.37491	Ddx19b
ENSMUSG0ENSMUSGC	569.8402	0.013689	0.101547	0.134807	0.892764	0.979424	Zfp7
ENSMUSG0ENSMUSGC	1338.167	0.012397	0.106109	0.116833	0.906992	0.982338	Cep350
ENSMUSG0ENSMUSGC	2092.012	-0.09201	0.067372	-1.36565	0.172049	0.613849	Gabbrb3
ENSMUSG0ENSMUSGC	6819.555	0.019172	0.125495	0.15277	0.87858	0.976224	Qsox1
ENSMUSG0ENSMUSGC	10913.35	0.283847	0.12667	2.240841	0.025036	0.252574	Ucp2
ENSMUSG0ENSMUSGC	746.3586	0.077628	0.123503	0.628557	0.529639	0.869527	Arhgap39
ENSMUSG0ENSMUSGC	1423.04	-0.01287	0.109103	-0.11793	0.906127	0.982338	Acbd6
ENSMUSG0ENSMUSGC	683.8772	-0.1334	0.091089	-1.46446	0.143068	0.572229	Fuk
ENSMUSG0ENSMUSGC	119.2792	-0.10606	0.140075	-0.75717	0.44895	0.825078	Stard9
ENSMUSG0ENSMUSGC	789.5398	0.052131	0.07815	0.66706	0.504734	0.857065	Smyd5
ENSMUSG0ENSMUSGC	2784.223	0.007296	0.077109	0.09462	0.924616	0.985705	Lrrc24
ENSMUSG0ENSMUSGC	2286.305	-0.02572	0.053322	-0.4824	0.629519	0.910993	Ccar2
ENSMUSG0ENSMUSGC	98.79589	0.125458	0.145837	0.860265	0.389643	0.794806	Foxn3
ENSMUSG0ENSMUSGC	944.4618	0.222419	0.11091	2.005397	0.044921	0.342308	Akr1c14
ENSMUSG0ENSMUSGC	4185.15	-0.12824	0.076255	-1.68172	0.092623	0.477746	Adra2a
ENSMUSG0ENSMUSGC	61.76511	0.183215	0.139752	1.311002	0.189857	0.637804	Sfxn5
ENSMUSG0ENSMUSGC	414.6583	-0.02385	0.114301	-0.20865	0.834723	0.964682	Vav3
ENSMUSG0ENSMUSGC	1734.605	0.128705	0.098291	1.309433	0.190388	0.637983	BC034090
ENSMUSG0ENSMUSGC	1360.049	-0.03358	0.102878	-0.32644	0.744095	0.940717	Lrrc14
ENSMUSG0ENSMUSGC	7604.878	0.042019	0.09733	0.431714	0.665949	0.925067	Sf3b3
ENSMUSG0ENSMUSGC	605.5807	0.044139	0.113753	0.388025	0.697998	0.933691	Spr
ENSMUSG0ENSMUSGC	255.848	0.188942	0.105076	1.798144	0.072154	0.429042	Fkbp1
ENSMUSG0ENSMUSGC	3607.026	-0.06482	0.129264	-0.50148	0.616036	0.906342	St18
ENSMUSG0ENSMUSGC	3016.984	0.047855	0.109878	0.435527	0.66318	0.924638	Gadd45gip1
ENSMUSG0ENSMUSGC	61.02435	0.118648	0.14218	0.834493	0.404003	0.800157	Mnd1
ENSMUSG0ENSMUSGC	2072.474	-0.07755	0.06089	-1.27369	0.202773	0.65035	Rbm4b
ENSMUSG0ENSMUSGC	882.9635	0.104218	0.11766	0.885759	0.375747	0.78793	Recql4
ENSMUSG0ENSMUSGC	867.6321	0.065437	0.112653	0.580875	0.561325	0.884547	Mtss1l
ENSMUSG0ENSMUSGC	1484.012	0.191981	0.078792	2.436548	0.014828	0.190903	Tmem131l
ENSMUSG0ENSMUSGC	427.4127	0.042315	0.145351	0.291121	0.770959	0.949297	Nrxn2

ENSMUSG0ENSMUSGC	2569.329	0.219886	0.093775	2.344821	0.019036	0.217114	Exoc6b
ENSMUSG0ENSMUSGC	520.4916	-0.00809	0.081858	-0.0988	0.921294	0.985705	Rpap2
ENSMUSG0ENSMUSGC	1326.309	-0.0442	0.079162	-0.55834	0.576612	0.890536	Asb13
ENSMUSG0ENSMUSGC	885.5498	0.051167	0.075138	0.680969	0.495891	0.853814	Tubgcp5
ENSMUSG0ENSMUSGC	1420.261	0.024215	0.145503	0.166425	0.867823	0.974473	Atp7a
ENSMUSG0ENSMUSGC	4021.424	0.029447	0.053328	0.552186	0.580821	0.892821	Atp6v1h
ENSMUSG0ENSMUSGC	1911.053	0.020135	0.126057	0.159729	0.873094	0.97593	Fam208b
ENSMUSG0ENSMUSGC	430.8817	0.115907	0.13589	0.852953	0.393685	0.796006	Ephx4
ENSMUSG0ENSMUSGC	1209.967	-0.01077	0.063084	-0.17078	0.864395	0.973828	Tmem87a
ENSMUSG0ENSMUSGC	1142.058	-0.04281	0.0746	-0.57384	0.566077	0.887284	Alg3
ENSMUSG0ENSMUSGC	4587.094	0.100872	0.06947	1.452034	0.146492	0.577631	Tcea1
ENSMUSG0ENSMUSGC	1182.583	-0.10896	0.070228	-1.55146	0.120791	0.533406	Ppp1r16a
ENSMUSG0ENSMUSGC	1913.637	0.146412	0.091179	1.605775	0.108323	0.510418	Mrpl15
ENSMUSG0ENSMUSGC	157.4795	-0.08892	0.144194	-0.61665	0.537466	0.87326	Pla2g4c
ENSMUSG0ENSMUSGC	340.3462	0.033185	0.107352	0.309124	0.757227	0.945085	B3galt2
ENSMUSG0ENSMUSGC	325.4046	-0.06696	0.141861	-0.47203	0.636902	0.912683	Gm28042
ENSMUSG0ENSMUSGC	57.99162	-0.24338	0.137205	-1.77382	0.076094	0.438116	Ston1
ENSMUSG0ENSMUSGC	214.5353	-0.15725	0.116927	-1.34482	0.178682	0.622638	Engase
ENSMUSG0ENSMUSGC	968.5248	0.080746	0.098303	0.821396	0.411421	0.804849	Cdk10
ENSMUSG0ENSMUSGC	514.1372	-0.05724	0.142455	-0.40182	0.687816	0.931173	Klf9
ENSMUSG0ENSMUSGC	5723.973	0.039644	0.110863	0.357592	0.720648	0.936689	Lgals3bp
ENSMUSG0ENSMUSGC	359.478	-0.01274	0.113323	-0.11245	0.910464	0.983347	D3Ert254c
ENSMUSG0ENSMUSGC	3794.476	0.021664	0.06675	0.324551	0.745521	0.941322	Pxk
ENSMUSG0ENSMUSGC	1646.308	0.06776	0.101553	0.667236	0.504621	0.857065	Map9
ENSMUSG0ENSMUSGC	683.0302	-0.0561	0.11184	-0.50163	0.615925	0.906342	Mapkbp1
ENSMUSG0ENSMUSGC	1641.27	-0.32451	0.088704	-3.65828	0.000254	0.015152	Ccp110
ENSMUSG0ENSMUSGC	224.6734	-0.29356	0.14212	-2.06561	0.038865	0.32091	Zdhhc15
ENSMUSG0ENSMUSGC	1423.868	-0.12047	0.065263	-1.84591	0.064906	0.410833	Usp36
ENSMUSG0ENSMUSGC	3310.463	-0.00807	0.123343	-0.06544	0.947824	0.990816	Chmp2a
ENSMUSG0ENSMUSGC	9952.1	-0.12758	0.130341	-0.97882	0.327671	0.754804	Gde1
ENSMUSG0ENSMUSGC	1303.415	0.181097	0.11014	1.644246	0.100125	0.493095	Parl
ENSMUSG0ENSMUSGC	727.3897	0.12297	0.071412	1.721987	0.085072	0.459829	Rbm34
ENSMUSG0ENSMUSGC	1216.959	0.056183	0.065055	0.863631	0.38779	0.793552	Vhl
ENSMUSG0ENSMUSGC	3500.927	0.108578	0.103114	1.052988	0.292346	0.732387	Ndufb7
ENSMUSG0ENSMUSGC	3763.799	-0.00781	0.093665	-0.08338	0.933548	0.986608	Brk1
ENSMUSG0ENSMUSGC	2659.885	0.055093	0.142189	0.387461	0.698415	0.933691	Mga
ENSMUSG0ENSMUSGC	824.7499	-0.19723	0.132365	-1.49002	0.136218	0.562679	Zswim5
ENSMUSG0ENSMUSGC	164.1815	0.082972	0.111715	0.742717	0.457653	0.831647	Trim36
ENSMUSG0ENSMUSGC	1469.7	-0.03681	0.100123	-0.36762	0.71316	0.935647	Aspm
ENSMUSG0ENSMUSGC	4394.119	0.370861	0.084641	4.381567	1.18E-05	0.001624	Ppp3r1
ENSMUSG0ENSMUSGC	949.5427	-0.10873	0.078711	-1.38132	0.167181	0.606598	Tnks1bp1
ENSMUSG0ENSMUSGC	347.2876	-0.20734	0.102279	-2.02723	0.042639	0.333358	Zfp446
ENSMUSG0ENSMUSGC	1519.986	0.015533	0.111423	0.139404	0.889131	0.978618	Zbtb41
ENSMUSG0ENSMUSGC	76.71885	-0.09908	0.144458	-0.68586	0.492803	0.852803	Slc16a2
ENSMUSG0ENSMUSGC	68.19265	-0.09811	0.13518	-0.72581	0.467956	0.838831	Rnf225
ENSMUSG0ENSMUSGC	2269.24	0.18227	0.09888	1.843343	0.065279	0.411796	Rfc3
ENSMUSG0ENSMUSGC	584.4727	-0.05987	0.097237	-0.61574	0.538067	0.873794	Zfp944
ENSMUSG0ENSMUSGC	778.704	-0.10429	0.14217	-0.73354	0.46323	0.835155	Gria2
ENSMUSG0ENSMUSGC	411.8387	0.057951	0.091652	0.63229	0.527197	0.868643	Coil
ENSMUSG0ENSMUSGC	236.0062	-0.05232	0.106051	-0.49337	0.621749	0.907988	Tesk2
ENSMUSG0ENSMUSGC	62.68618	-0.09897	0.139383	-0.71009	0.477651	0.843541	Dnah17
ENSMUSG0ENSMUSGC	664.0432	0.109921	0.123884	0.887294	0.374921	0.787458	Ttc37

ENSMUSG0ENSMUSG0	2788.091	0.024148	0.121301	0.199074	0.842205	0.967032	Kcnk1
ENSMUSG0ENSMUSG0	770.3317	0.066222	0.100033	0.662005	0.507968	0.858898	Pqlc1
ENSMUSG0ENSMUSG0	687.8283	0.000222	0.10635	0.002092	0.998331	0.998981	Scaper
ENSMUSG0ENSMUSG0	101.1207	-0.11403	0.110887	-1.02837	0.303775	0.739759	Rxfp1
ENSMUSG0ENSMUSG0	2137.939	-0.0093	0.081719	-0.11377	0.909419	0.983107	Pds5b
ENSMUSG0ENSMUSG0	2734.506	0.042734	0.089548	0.47722	0.633206	0.912362	Cpsf1
ENSMUSG0ENSMUSG0	898.8226	0.036645	0.084156	0.435443	0.663241	0.924638	Fancd2
ENSMUSG0ENSMUSG0	9957.017	0.120423	0.067103	1.794607	0.072716	0.430201	Cct2
ENSMUSG0ENSMUSG0	1155.732	-0.05358	0.083282	-0.64335	0.519999	0.865227	Rpap1
ENSMUSG0ENSMUSG0	102.9479	-0.24887	0.14596	-1.70502	0.08819	0.467952	Ccdc17
ENSMUSG0ENSMUSG0	55.25086	-0.17445	0.132778	-1.31389	0.188884	0.636293	Prss29
ENSMUSG0ENSMUSG0	1173.276	0.001722	0.115448	0.014915	0.9881	0.998385	Gbbp1l1
ENSMUSG0ENSMUSG0	1168.335	0.033014	0.088391	0.373501	0.708776	0.934791	Phka1
ENSMUSG0ENSMUSG0	307.0493	-0.16746	0.141789	-1.18108	0.237571	0.68647	Ypel4
ENSMUSG0ENSMUSG0	1607.604	-0.01019	0.074642	-0.13652	0.891407	0.979424	Poglut1
ENSMUSG0ENSMUSG0	335.114	-0.01077	0.09906	-0.10872	0.913427	0.983954	Farp2
ENSMUSG0ENSMUSG0	36.69246	0.064755	0.145964	0.443637	0.657305	0.921426	Zfp551
ENSMUSG0ENSMUSG0	3394.727	-0.05236	0.066631	-0.78582	0.431972	0.816305	Zdhhc5
ENSMUSG0ENSMUSG0	628.2191	-0.00082	0.085585	-0.0096	0.992342	0.998539	Ccdc174
ENSMUSG0ENSMUSG0	19778.46	0.105686	0.111884	0.944599	0.344864	0.766383	Hdlbp
ENSMUSG0ENSMUSG0	987.0236	-0.21387	0.14396	-1.48564	0.137375	0.564491	Fstl5
ENSMUSG0ENSMUSG0	2852.591	-0.03977	0.097986	-0.40591	0.68481	0.931173	Ctnnd1
ENSMUSG0ENSMUSG0	264.1367	-0.05392	0.130572	-0.41299	0.679614	0.928688	Tldc1
ENSMUSG0ENSMUSG0	583.8245	0.036797	0.121209	0.303581	0.761447	0.946375	Ccs
ENSMUSG0ENSMUSG0	2417.814	-0.09135	0.091329	-1.00022	0.317202	0.750019	Golim4
ENSMUSG0ENSMUSG0	583.4494	-0.00103	0.096422	-0.01071	0.991453	0.998539	Kctd7
ENSMUSG0ENSMUSG0	3099.213	-0.09265	0.098812	-0.93767	0.348415	0.770178	Tmed8
ENSMUSG0ENSMUSG0	1354.366	0.071998	0.063952	1.125807	0.260247	0.704211	Tpst1
ENSMUSG0ENSMUSG0	7722.242	0.118481	0.082902	1.429167	0.152956	0.589042	Srsf2
ENSMUSG0ENSMUSG0	87.38322	-0.14346	0.134116	-1.06968	0.284763	0.725586	Mks1
ENSMUSG0ENSMUSG0	2232.977	0.188244	0.069566	2.705991	0.00681	0.124417	Pomt2
ENSMUSG0ENSMUSG0	3965.814	0.179442	0.048267	3.717703	0.000201	0.012736	Sik3
ENSMUSG0ENSMUSG0	475.8658	0.142488	0.083077	1.715136	0.08632	0.463082	Tmem63c
ENSMUSG0ENSMUSG0	1886.571	0.087619	0.089698	0.976814	0.328661	0.755405	Exoc3
ENSMUSG0ENSMUSG0	877.3047	-0.10882	0.088247	-1.23318	0.217508	0.668044	Ino80
ENSMUSG0ENSMUSG0	1271.426	-0.06317	0.083679	-0.75486	0.450331	0.826098	Cipc
ENSMUSG0ENSMUSG0	2320.833	-0.06295	0.105205	-0.59838	0.549585	0.878535	Lrrc58
ENSMUSG0ENSMUSG0	3596.61	-0.02203	0.127203	-0.17322	0.862476	0.973203	Ogt
ENSMUSG0ENSMUSG0	1233.795	0.017009	0.097681	0.174131	0.861762	0.972861	Zfc3h1
ENSMUSG0ENSMUSG0	139.544	0.029914	0.120872	0.247484	0.804534	0.957462	Emid1
ENSMUSG0ENSMUSG0	1569.204	0.034967	0.127617	0.274	0.784085	0.953007	Ccnd3
ENSMUSG0ENSMUSG0	1184.302	-0.26289	0.099723	-2.63616	0.008385	0.139285	Irf2bpl
ENSMUSG0ENSMUSG0	1919.364	-0.09946	0.070401	-1.41284	0.157704	0.596629	Faah
ENSMUSG0ENSMUSG0	76.26352	-0.03763	0.14237	-0.26431	0.791538	0.954487	Zbed5
ENSMUSG0ENSMUSG0	782.3924	-0.1573	0.105567	-1.49005	0.136211	0.562679	Rhbdd3
ENSMUSG0ENSMUSG0	4849.998	0.165219	0.101564	1.626748	0.103791	0.500675	Nsf
ENSMUSG0ENSMUSG0	1272.075	-0.10402	0.094096	-1.10544	0.26897	0.711911	Hsdl1
ENSMUSG0ENSMUSG0	1867.159	0.01556	0.067	0.232235	0.816355	0.959755	Chmp7
ENSMUSG0ENSMUSG0	1256.923	0.177208	0.111858	1.584219	0.113144	0.518563	Lsm3
ENSMUSG0ENSMUSG0	773.0563	-0.03404	0.079261	-0.42948	0.667571	0.925067	R3hcc1
ENSMUSG0ENSMUSG0	979.8584	-0.08177	0.101458	-0.80594	0.420276	0.811474	Gas2l1
ENSMUSG0ENSMUSG0	958.8473	-0.0744	0.089074	-0.83526	0.403572	0.800157	Chchd4

ENSMUSG0ENSMUSG0	8402.007	0.218572	0.106855	2.045496	0.040806	0.328587	Loxl2
ENSMUSG0ENSMUSG0	838.438	0.128626	0.087144	1.476006	0.139942	0.570308	Polq
ENSMUSG0ENSMUSG0	2125.517	-0.17292	0.081805	-2.11384	0.034529	0.30086	Efcab14
ENSMUSG0ENSMUSG0	1934.551	0.033539	0.089947	0.372871	0.709245	0.934929	Mrps17
ENSMUSG0ENSMUSG0	1263.881	0.055329	0.072771	0.760318	0.447065	0.824037	Vps18
ENSMUSG0ENSMUSG0	1075.689	-0.00738	0.144945	-0.05089	0.95941	0.993298	Atm
ENSMUSG0ENSMUSG0	1635.77	-0.29296	0.089779	-3.2631	0.001102	0.038969	Gpc1
ENSMUSG0ENSMUSG0	98.82267	0.052273	0.118518	0.44105	0.659177	0.92235	Rhov
ENSMUSG0ENSMUSG0	127.4903	-0.09455	0.14458	-0.65399	0.513119	0.861882	Foxj1
ENSMUSG0ENSMUSG0	573.2646	-0.10053	0.089693	-1.12083	0.26236	0.705745	Usp54
ENSMUSG0ENSMUSG0	3588.85	-0.12843	0.133656	-0.96087	0.336617	0.759804	Golgb1
ENSMUSG0ENSMUSG0	915.2066	0.012362	0.137357	0.089996	0.928291	0.985705	Hdac11
ENSMUSG0ENSMUSG0	702.2258	-0.02388	0.089954	-0.26552	0.790609	0.954487	Plekhm1
ENSMUSG0ENSMUSG0	1521.701	0.217803	0.106518	2.044749	0.04088	0.328981	Slc25a37
ENSMUSG0ENSMUSG0	2435.1	0.142823	0.077852	1.834551	0.066572	0.414416	Senp6
ENSMUSG0ENSMUSG0	3532.969	0.060365	0.064029	0.942766	0.345801	0.767317	Agpat1
ENSMUSG0ENSMUSG0	113.575	0.096617	0.135647	0.71227	0.476298	0.843045	Arhgap27
ENSMUSG0ENSMUSG0	889.0761	-0.0472	0.112815	-0.41836	0.675685	0.927604	Exosc4
ENSMUSG0ENSMUSG0	1149.454	-0.23079	0.055922	-4.12698	3.68E-05	0.003869	Ints14
ENSMUSG0ENSMUSG0	997.67	0.220476	0.066918	3.294739	0.000985	0.036349	Zdhhc14
ENSMUSG0ENSMUSG0	4318.761	-0.01746	0.087828	-0.19883	0.842395	0.967047	Setd5
ENSMUSG0ENSMUSG0	122.6334	-0.00127	0.144766	-0.00879	0.992987	0.998539	Jdp2
ENSMUSG0ENSMUSG0	1630.051	0.094543	0.087571	1.079615	0.280314	0.721499	Thoc5
ENSMUSG0ENSMUSG0	1304.046	0.115489	0.083657	1.380501	0.167432	0.607181	Igsf9b
ENSMUSG0ENSMUSG0	196.0101	-0.03351	0.142902	-0.23451	0.814592	0.959419	Dnajc17
ENSMUSG0ENSMUSG0	1598.066	0.071142	0.121262	0.586682	0.557417	0.882863	Evpl
ENSMUSG0ENSMUSG0	1041.971	0.064616	0.130742	0.494223	0.621149	0.907988	Nipsnap1
ENSMUSG0ENSMUSG0	2561.108	0.009399	0.069564	0.135112	0.892524	0.979424	Nek9
ENSMUSG0ENSMUSG0	574.0674	0.047422	0.079966	0.593021	0.553167	0.880942	Traf3ip1
ENSMUSG0ENSMUSG0	805.8366	-0.14406	0.132348	-1.08847	0.276389	0.718088	Fhod3
ENSMUSG0ENSMUSG0	1883.872	-0.05249	0.113407	-0.46281	0.643499	0.914944	Med13
ENSMUSG0ENSMUSG0	1789.049	0.087303	0.111787	0.780977	0.434816	0.81783	Fam53c
ENSMUSG0ENSMUSG0	76.44635	0.115133	0.1344	0.856642	0.391643	0.794949	Ccdc15
ENSMUSG0ENSMUSG0	147.3618	0.17873	0.145446	1.228837	0.219133	0.669212	Sdr42e1
ENSMUSG0ENSMUSG0	2406.203	-0.00028	0.071714	-0.00393	0.996861	0.998953	Kif4
ENSMUSG0ENSMUSG0	606.4993	0.013582	0.145876	0.093105	0.92582	0.985705	Iqsec1
ENSMUSG0ENSMUSG0	1490.698	0.015296	0.077713	0.196823	0.843966	0.967687	Trim59
ENSMUSG0ENSMUSG0	1498.666	0.101997	0.119699	0.85211	0.394153	0.796246	Slc26a2
ENSMUSG0ENSMUSG0	731.886	0.101023	0.072577	1.391948	0.163938	0.603036	Exosc1
ENSMUSG0ENSMUSG0	1127.514	0.079503	0.07588	1.047759	0.29475	0.733828	Kctd9
ENSMUSG0ENSMUSG0	701.3047	0.203434	0.092005	2.211118	0.027028	0.262366	Brip1
ENSMUSG0ENSMUSG0	199.4964	0.00076	0.117708	0.006456	0.994849	0.998655	Plcg2
ENSMUSG0ENSMUSG0	1080.01	-0.31663	0.11409	-2.77531	0.005515	0.11052	Zbed4
ENSMUSG0ENSMUSG0	70.95082	-0.0494	0.128635	-0.38406	0.700935	0.934077	Fam151b
ENSMUSG0ENSMUSG0	2523.921	-0.20142	0.097711	-2.06141	0.039264	0.321553	Ina
ENSMUSG0ENSMUSG0	7953.462	0.075382	0.067169	1.122276	0.261745	0.705401	Wbp2
ENSMUSG0ENSMUSG0	1324.176	0.015558	0.138435	0.112385	0.910518	0.983347	Cbl
ENSMUSG0ENSMUSG0	989.3967	0.107595	0.098311	1.094435	0.273764	0.716676	Ube2f
ENSMUSG0ENSMUSG0	2150.548	0.172266	0.101448	1.698076	0.089494	0.47134	Gtf2h5
ENSMUSG0ENSMUSG0	5386.073	0.065051	0.070016	0.92908	0.352848	0.773559	Smc4
ENSMUSG0ENSMUSG0	81.71214	-0.27353	0.142204	-1.92349	0.054418	0.377484	Ramp1
ENSMUSG0ENSMUSG0	2465.623	-0.03279	0.102617	-0.31951	0.749342	0.942352	Mtmr3

ENSMUSG0ENSMUSG0	482.9841	-0.36052	0.106333	-3.39047	0.000698	0.029514	Cpne2
ENSMUSG0ENSMUSG0	1028.578	-0.05346	0.073281	-0.72949	0.465701	0.836748	Tkfc
ENSMUSG0ENSMUSG0	4393.741	-0.02511	0.111568	-0.2251	0.821901	0.961018	Tulp4
ENSMUSG0ENSMUSG0	322.0031	0.114638	0.106579	1.07561	0.282102	0.723217	Wdr5b
ENSMUSG0ENSMUSG0	281.5892	0.287897	0.124132	2.319289	0.020379	0.225784	Al661453
ENSMUSG0ENSMUSG0	2372.974	0.137113	0.13137	1.043719	0.296615	0.735498	Cmip
ENSMUSG0ENSMUSG0	538.9563	-0.06177	0.098235	-0.62879	0.529489	0.869494	Spata6
ENSMUSG0ENSMUSG0	75.28447	0.001837	0.130684	0.014053	0.988787	0.998498	Kcnh5
ENSMUSG0ENSMUSG0	3717.656	0.125881	0.087883	1.432375	0.152037	0.587634	Pja1
ENSMUSG0ENSMUSG0	675.935	0.129886	0.081817	1.587515	0.112396	0.518563	Tbc1d10a
ENSMUSG0ENSMUSG0	2507.953	0.093304	0.093808	0.994631	0.319916	0.750709	Neurl1b
ENSMUSG0ENSMUSG0	243.9575	-0.30873	0.132476	-2.33046	0.019782	0.222458	Parp14
ENSMUSG0ENSMUSG0	1352.996	0.316213	0.145794	2.168901	0.03009	0.277986	Gcsh
ENSMUSG0ENSMUSG0	1128.655	0.001816	0.105421	0.017231	0.986253	0.997899	Myo15b
ENSMUSG0ENSMUSG0	400.4576	0.045182	0.108568	0.416164	0.67729	0.927968	Zfp707
ENSMUSG0ENSMUSG0	750.2631	-0.00475	0.093354	-0.05089	0.959413	0.993298	Zxdc
ENSMUSG0ENSMUSG0	2366.204	-0.12576	0.075749	-1.66022	0.096871	0.486645	Cops8
ENSMUSG0ENSMUSG0	426.2962	-0.18508	0.081906	-2.25968	0.023841	0.246412	Trmt5
ENSMUSG0ENSMUSG0	203.3126	-0.01792	0.102957	-0.17409	0.861797	0.972861	Cyb561a3
ENSMUSG0ENSMUSG0	338.8009	0.030055	0.111751	0.268945	0.787972	0.954146	Dhrs11
ENSMUSG0ENSMUSG0	827.9671	0.116	0.088116	1.316445	0.188025	0.635585	Polr3b
ENSMUSG0ENSMUSG0	61.10031	-0.30985	0.145287	-2.13268	0.032951	0.29104	Ifit1
ENSMUSG0ENSMUSG0	463.0432	-0.12678	0.12723	-0.99648	0.319015	0.750366	Six4
ENSMUSG0ENSMUSG0	1624.312	-0.0529	0.083521	-0.63342	0.52646	0.868304	Pkd2
ENSMUSG0ENSMUSG0	732.8503	-0.06962	0.081288	-0.85652	0.391708	0.794949	Caskin2
ENSMUSG0ENSMUSG0	379.5204	-0.48976	0.128284	-3.81778	0.000135	0.010041	Rasd2
ENSMUSG0ENSMUSG0	742.218	-0.05532	0.111374	-0.49668	0.619415	0.907335	Sec22a
ENSMUSG0ENSMUSG0	241.1002	-0.01095	0.1127	-0.09713	0.922627	0.985705	Diaph2
ENSMUSG0ENSMUSG0	2792.477	0.078191	0.065178	1.199648	0.230276	0.680403	Snx2
ENSMUSG0ENSMUSG0	1968.356	-0.02922	0.091622	-0.31887	0.749822	0.942353	Uaca
ENSMUSG0ENSMUSG0	323.0362	-0.00127	0.108137	-0.01177	0.99061	0.998539	Kdelc2
ENSMUSG0ENSMUSG0	43.66876	-0.16857	0.14387	-1.17168	0.241324	0.689436	Edil3
ENSMUSG0ENSMUSG0	595.9668	-0.02831	0.112502	-0.25168	0.801288	0.956594	Pcnx4
ENSMUSG0ENSMUSG0	630.0116	0.156964	0.094231	1.665737	0.095766	0.485939	Mad2l1bp
ENSMUSG0ENSMUSG0	1093.322	-0.10954	0.107661	-1.01745	0.308941	0.743404	Hmgxb4
ENSMUSG0ENSMUSG0	1272.937	-0.02715	0.093159	-0.29147	0.770689	0.949297	Zfp395
ENSMUSG0ENSMUSG0	1362.26	0.003532	0.106499	0.033163	0.973545	0.995862	Ice1
ENSMUSG0ENSMUSG0	368.2168	0.158538	0.093125	1.702423	0.088676	0.469317	Fbxo16
ENSMUSG0ENSMUSG0	112.5343	0.029632	0.124322	0.238349	0.81161	0.95864	Zfp418
ENSMUSG0ENSMUSG0	2283.909	-0.0445	0.084734	-0.52512	0.599502	0.898925	Morc2a
ENSMUSG0ENSMUSG0	829.1658	0.039754	0.108063	0.367877	0.712965	0.935647	Rsrc1
ENSMUSG0ENSMUSG0	194.259	-0.04753	0.111442	-0.42649	0.669749	0.925331	Hdx
ENSMUSG0ENSMUSG0	744.061	-0.17912	0.0751	-2.38505	0.017077	0.203653	Zfyve9
ENSMUSG0ENSMUSG0	1381.263	0.159298	0.092244	1.726927	0.084181	0.457758	Washc4
ENSMUSG0ENSMUSG0	3448.406	-0.02501	0.111754	-0.22378	0.82293	0.961464	Ccpg1
ENSMUSG0ENSMUSG0	7353.585	0.188494	0.110148	1.711276	0.08703	0.464219	Atp5h
ENSMUSG0ENSMUSG0	967.2105	-0.22073	0.089577	-2.46413	0.013735	0.183043	Inpp5j
ENSMUSG0ENSMUSG0	246.6236	-0.04205	0.14601	-0.28803	0.773326	0.949821	Ptpn13
ENSMUSG0ENSMUSG0	4343.757	-0.13745	0.094317	-1.4573	0.145035	0.574944	Daam1
ENSMUSG0ENSMUSG0	1368.725	-0.09065	0.104603	-0.86656	0.386181	0.792576	Papd7
ENSMUSG0ENSMUSG0	239.0315	0.02778	0.145636	0.190751	0.848721	0.968843	Exp5
ENSMUSG0ENSMUSG0	6514.532	0.094353	0.081634	1.155798	0.247764	0.695481	Hid1

ENSMUSG0ENSMUSG0	301.266	0.136719	0.108315	1.262232	0.206865	0.654323	8430429K0
ENSMUSG0ENSMUSG0	989.2524	0.022704	0.102286	0.221965	0.824341	0.961935	Slc41a2
ENSMUSG0ENSMUSG0	5816.181	0.147049	0.104033	1.413492	0.157511	0.596614	Myo5a
ENSMUSG0ENSMUSG0	154.759	-0.12118	0.131343	-0.92261	0.356211	0.774872	Ppp1r18
ENSMUSG0ENSMUSG0	1077.408	0.002325	0.101864	0.022828	0.981788	0.997345	2700049A0
ENSMUSG0ENSMUSG0	2907.036	-0.01937	0.089158	-0.21721	0.828047	0.962981	Mon2
ENSMUSG0ENSMUSG0	1392.8	-0.17812	0.094788	-1.87914	0.060226	0.395792	Zcchc11
ENSMUSG0ENSMUSG0	11706.87	-0.33657	0.090474	-3.72002	0.000199	0.012736	Chst11
ENSMUSG0ENSMUSG0	1221.514	-0.14012	0.098725	-1.41926	0.155822	0.594364	Ppm1h
ENSMUSG0ENSMUSG0	40.91944	-0.31331	0.14096	-2.22267	0.026238	0.258836	Pik3ip1
ENSMUSG0ENSMUSG0	653.6062	-0.00539	0.096765	-0.05574	0.955553	0.992685	Ssh3
ENSMUSG0ENSMUSG0	767.7465	-0.07539	0.074517	-1.01169	0.311687	0.745302	Mtrr
ENSMUSG0ENSMUSG0	528.5837	-0.13591	0.080017	-1.69851	0.089411	0.471279	Tmem5
ENSMUSG0ENSMUSG0	1617.664	0.004161	0.096954	0.042916	0.965769	0.994842	Gpatch8
ENSMUSG0ENSMUSG0	1902.865	0.072488	0.082131	0.882588	0.377459	0.788723	Zyg11b
ENSMUSG0ENSMUSG0	173.9029	-0.02885	0.111518	-0.25869	0.795874	0.955463	Setmar
ENSMUSG0ENSMUSG0	563.2728	-0.05756	0.129381	-0.44493	0.656373	0.920963	Tiparp
ENSMUSG0ENSMUSG0	1347.22	0.010282	0.103925	0.09894	0.921186	0.985705	Ankrd12
ENSMUSG0ENSMUSG0	2509.068	-0.22727	0.114333	-1.98779	0.046835	0.348768	Lrrn1
ENSMUSG0ENSMUSG0	52.12159	0.152109	0.141075	1.078217	0.280937	0.721619	Cd300a
ENSMUSG0ENSMUSG0	559.1568	-0.01806	0.127768	-0.14136	0.887583	0.978595	Ythdc2
ENSMUSG0ENSMUSG0	313.3182	-0.02212	0.145815	-0.15169	0.879431	0.97663	Cacna1a
ENSMUSG0ENSMUSG0	4428.212	0.088595	0.070799	1.251365	0.210801	0.659748	Tmem109
ENSMUSG0ENSMUSG0	639.5477	-0.09928	0.088189	-1.12573	0.26028	0.704211	Bmp2k
ENSMUSG0ENSMUSG0	93.78371	-0.10281	0.139028	-0.73948	0.459617	0.832367	Itga2b
ENSMUSG0ENSMUSG0	3197.141	0.034943	0.144901	0.241154	0.809436	0.958353	Xpot
ENSMUSG0ENSMUSG0	982.6797	-0.00436	0.095862	-0.04546	0.96374	0.994356	Pbx2
ENSMUSG0ENSMUSG0	2673.314	0.064318	0.072655	0.885258	0.376018	0.788181	Tdg
ENSMUSG0ENSMUSG0	556.4985	-0.16173	0.088463	-1.82825	0.067512	0.417181	Dbn1
ENSMUSG0ENSMUSG0	5546.498	0.052177	0.058169	0.896993	0.369723	0.784801	Rnps1
ENSMUSG0ENSMUSG0	181.6452	-0.12691	0.109804	-1.15579	0.247766	0.695481	Sema3f
ENSMUSG0ENSMUSG0	104.6003	-0.16117	0.144233	-1.11742	0.263814	0.706972	Prr7
ENSMUSG0ENSMUSG0	840.1737	-0.16861	0.138511	-1.21731	0.223487	0.673577	Fras1
ENSMUSG0ENSMUSG0	6817.062	-0.03331	0.125	-0.26648	0.789869	0.954487	Neurod1
ENSMUSG0ENSMUSG0	171.646	-0.37767	0.13331	-2.83304	0.004611	0.099086	Dnaic2
ENSMUSG0ENSMUSG0	11094.66	0.163946	0.087351	1.87685	0.060539	0.396828	Gns
ENSMUSG0ENSMUSG0	8558.403	0.111131	0.120858	0.91952	0.357824	0.776143	Grn
ENSMUSG0ENSMUSG0	1732.382	0.115966	0.101236	1.145499	0.252002	0.698138	Ppp1r21
ENSMUSG0ENSMUSG0	4521.576	-0.04224	0.098333	-0.42959	0.667496	0.925067	Ttyh2
ENSMUSG0ENSMUSG0	4724.662	0.051637	0.082579	0.625311	0.531767	0.870719	Tmx4
ENSMUSG0ENSMUSG0	3475.834	-0.23226	0.108872	-2.13328	0.032901	0.290869	Cnot6l
ENSMUSG0ENSMUSG0	966.3127	-0.0086	0.095925	-0.08962	0.928591	0.985705	Mrps10
ENSMUSG0ENSMUSG0	176.8783	0.128033	0.111734	1.145876	0.251846	0.697958	Dgkh
ENSMUSG0ENSMUSG0	1394.907	0.02933	0.097153	0.301893	0.762734	0.946679	Nagk
ENSMUSG0ENSMUSG0	516.314	-0.28702	0.080235	-3.57727	0.000347	0.018714	Sirt6
ENSMUSG0ENSMUSG0	1124.645	0.121312	0.117615	1.031429	0.30234	0.739759	Mast4
ENSMUSG0ENSMUSG0	288.1261	0.242959	0.144189	1.685002	0.091988	0.476371	Pcdh11x
ENSMUSG0ENSMUSG0	1821.253	-0.30831	0.080994	-3.80656	0.000141	0.0104	Tmub2
ENSMUSG0ENSMUSG0	92.97727	-0.22487	0.137093	-1.6403	0.100942	0.495153	Tle6
ENSMUSG0ENSMUSG0	1175.004	0.086684	0.081691	1.061124	0.288634	0.728621	Map4k5
ENSMUSG0ENSMUSG0	136.9064	-0.07552	0.145774	-0.51804	0.604427	0.901616	Glis1
ENSMUSG0ENSMUSG0	4000.721	-0.08788	0.074258	-1.18345	0.236633	0.685759	Dusp5

ENSMUSG0ENSMUSG0	435.6976	0.111422	0.126094	0.883643	0.376889	0.788552	Tle2
ENSMUSG0ENSMUSG0	788.4542	0.142643	0.121563	1.173415	0.240629	0.688756	BC030867
ENSMUSG0ENSMUSG0	46.20768	-0.02243	0.145521	-0.15417	0.877476	0.976224	Vax2
ENSMUSG0ENSMUSG0	378.9893	-0.04537	0.122034	-0.37178	0.710055	0.935155	B3galt1
ENSMUSG0ENSMUSG0	5344.399	-0.09529	0.057567	-1.65526	0.097872	0.488704	Gna11
ENSMUSG0ENSMUSG0	1566.484	0.019121	0.125251	0.152661	0.878666	0.976238	Dio1
ENSMUSG0ENSMUSG0	1852.461	-0.00372	0.09967	-0.0373	0.970243	0.995539	Rab24
ENSMUSG0ENSMUSG0	41.88838	0.065548	0.145955	0.449102	0.653358	0.919812	Gna15
ENSMUSG0ENSMUSG0	1689.477	-0.15225	0.095734	-1.59032	0.111762	0.516979	G6pc3
ENSMUSG0ENSMUSG0	202.673	-0.28664	0.144938	-1.97766	0.047967	0.352879	Ccdc122
ENSMUSG0ENSMUSG0	3560.569	0.004468	0.139698	0.031982	0.974487	0.996035	Unc13a
ENSMUSG0ENSMUSG0	164.977	-0.04458	0.13166	-0.33858	0.734929	0.938791	Zfp661
ENSMUSG0ENSMUSG0	1064.381	-0.15994	0.080141	-1.99575	0.045961	0.344757	Sos2
ENSMUSG0ENSMUSG0	3875.78	-0.29201	0.117323	-2.48891	0.012814	0.176045	Colgalt1
ENSMUSG0ENSMUSG0	597.1925	0.045264	0.11512	0.393188	0.694181	0.9325	Grip1
ENSMUSG0ENSMUSG0	185.5141	0.056025	0.120441	0.465163	0.641815	0.914411	Celf5
ENSMUSG0ENSMUSG0	2776.257	-0.01996	0.071924	-0.27747	0.78142	0.951693	Cpsf7
ENSMUSG0ENSMUSG0	1172.399	-0.23394	0.070578	-3.31468	0.000917	0.035241	Nrip3
ENSMUSG0ENSMUSG0	1346.738	0.020856	0.09233	0.225881	0.821294	0.960727	Nup54
ENSMUSG0ENSMUSG0	43.02326	0.194967	0.144938	1.345176	0.178568	0.622405	Nxn1
ENSMUSG0ENSMUSG0	1267.227	-0.03061	0.118892	-0.25743	0.79685	0.955768	Tet3
ENSMUSG0ENSMUSG0	70.91465	-0.22136	0.145676	-1.51954	0.128626	0.547624	Plvap
ENSMUSG0ENSMUSG0	604.652	0.102015	0.082637	1.234502	0.217016	0.667877	Ttc21b
ENSMUSG0ENSMUSG0	4041.889	0.007686	0.069908	0.109951	0.912449	0.983954	Tmem127
ENSMUSG0ENSMUSG0	513.7986	-0.20986	0.108749	-1.92978	0.053634	0.37516	Acot11
ENSMUSG0ENSMUSG0	600.3522	-0.03075	0.075064	-0.40969	0.682033	0.929953	Mfsd12
ENSMUSG0ENSMUSG0	161.5705	0.046159	0.145281	0.317724	0.750694	0.942712	Cxcl10
ENSMUSG0ENSMUSG0	481.0983	0.020883	0.118915	0.175615	0.860597	0.972797	Fam214a
ENSMUSG0ENSMUSG0	1574.117	-0.14688	0.101069	-1.45322	0.146161	0.576835	Ano8
ENSMUSG0ENSMUSG0	681.3157	0.220076	0.082431	2.669822	0.007589	0.131746	Ankrd27
ENSMUSG0ENSMUSG0	4495.27	0.015508	0.106868	0.145113	0.884622	0.977581	Myl12b
ENSMUSG0ENSMUSG0	1333.879	-0.15963	0.137747	-1.15883	0.246525	0.694624	Fam151a
ENSMUSG0ENSMUSG0	2039.719	0.07859	0.106198	0.740036	0.459278	0.832245	Nudt19
ENSMUSG0ENSMUSG0	1212.473	0.151607	0.115753	1.309745	0.190282	0.637983	Mrpl34
ENSMUSG0ENSMUSG0	323.0149	0.269038	0.096777	2.779975	0.005436	0.109746	Lrr1
ENSMUSG0ENSMUSG0	1240.575	0.008073	0.086724	0.093094	0.925829	0.985705	Cactin
ENSMUSG0ENSMUSG0	1841.331	-0.26324	0.112327	-2.3435	0.019104	0.217696	Sncb
ENSMUSG0ENSMUSG0	7542.971	0.115994	0.111908	1.036509	0.299965	0.73815	Rps29
ENSMUSG0ENSMUSG0	1268.498	-0.00433	0.097485	-0.04445	0.964545	0.994711	Cog3
ENSMUSG0ENSMUSG0	3160.913	-0.07046	0.084306	-0.8358	0.403265	0.800157	Pip5k1c
ENSMUSG0ENSMUSG0	1411.512	0.087994	0.112115	0.78486	0.432535	0.81674	Cobll1
ENSMUSG0ENSMUSG0	3359.698	0.030095	0.064102	0.469493	0.638717	0.91331	Ncaph
ENSMUSG0ENSMUSG0	2305.833	-0.09608	0.081497	-1.17896	0.238412	0.687563	Sidt2
ENSMUSG0ENSMUSG0	153.4601	-0.02682	0.138347	-0.19387	0.846277	0.968351	Tjp3
ENSMUSG0ENSMUSG0	54.07415	-0.31689	0.142334	-2.22639	0.025988	0.257937	Cdhr2
ENSMUSG0ENSMUSG0	1154.296	0.13026	0.137719	0.945846	0.344227	0.766294	Ttc22
ENSMUSG0ENSMUSG0	2689.742	0.180227	0.09418	1.913653	0.055665	0.381377	Dhcr24
ENSMUSG0ENSMUSG0	2413.089	-0.23571	0.117032	-2.01403	0.044006	0.337833	Rnf44
ENSMUSG0ENSMUSG0	1035.594	0.033579	0.075058	0.447374	0.654605	0.919908	Dhx8
ENSMUSG0ENSMUSG0	1706.987	-0.01059	0.118173	-0.08965	0.928566	0.985705	Mrpl54
ENSMUSG0ENSMUSG0	127.3055	-0.18113	0.145681	-1.24337	0.213732	0.663636	Arl4d
ENSMUSG0ENSMUSG0	3313.003	0.144253	0.085758	1.682101	0.092549	0.477746	Synrg

ENSMUSG0ENSMUSG0	392.4773	-0.16036	0.131883	-1.21596	0.224	0.673874	Tmem106a
ENSMUSG0ENSMUSG0	550.7886	-0.08477	0.127591	-0.6644	0.506435	0.85853	Zfr2
ENSMUSG0ENSMUSG0	2057.064	-0.10163	0.064563	-1.57414	0.115454	0.523676	Cog7
ENSMUSG0ENSMUSG0	1591.032	0.039393	0.063304	0.622283	0.533756	0.871788	Atcay
ENSMUSG0ENSMUSG0	1357.559	-0.02775	0.0574	-0.48348	0.628755	0.910993	Dopey1
ENSMUSG0ENSMUSG0	1205.095	0.020588	0.091114	0.225963	0.82123	0.960727	Dapk3
ENSMUSG0ENSMUSG0	327.344	-0.7271	0.104534	-6.95561	3.51E-12	1.56E-08	Parm1
ENSMUSG0ENSMUSG0	1187.435	0.117624	0.131083	0.89732	0.369548	0.784801	Vat1
ENSMUSG0ENSMUSG0	67173.75	0.016088	0.100116	0.160694	0.872335	0.975692	Eef2
ENSMUSG0ENSMUSG0	509.1208	-0.09868	0.100596	-0.98093	0.326629	0.754362	Foxn2
ENSMUSG0ENSMUSG0	1384.933	-0.00068	0.129847	-0.00524	0.995816	0.998655	Dpp4
ENSMUSG0ENSMUSG0	1490.804	-0.00077	0.077058	-0.00996	0.99205	0.998539	Rundc1
ENSMUSG0ENSMUSG0	1743.517	-0.24777	0.109512	-2.26247	0.023669	0.245557	Zbtb7a
ENSMUSG0ENSMUSG0	537.8936	-0.28818	0.1439	-2.00264	0.045216	0.342436	Baz1a
ENSMUSG0ENSMUSG0	3058.516	0.001061	0.070539	0.015037	0.988003	0.998385	Ncapd3
ENSMUSG0ENSMUSG0	5050.557	0.108187	0.074056	1.460895	0.144044	0.573946	Map2k2
ENSMUSG0ENSMUSG0	200.8496	0.157009	0.110627	1.419267	0.155821	0.594364	Creb3l3
ENSMUSG0ENSMUSG0	130.8028	-0.05911	0.136258	-0.43379	0.664439	0.924679	Zc3h12b
ENSMUSG0ENSMUSG0	1101.886	-0.03844	0.082676	-0.46498	0.641945	0.914416	Kri1
ENSMUSG0ENSMUSG0	1510.163	-0.01408	0.11868	-0.11868	0.905529	0.982338	Anapc13
ENSMUSG0ENSMUSG0	771.9513	0.180842	0.091077	1.985604	0.047077	0.349224	Rrp12
ENSMUSG0ENSMUSG0	934.07	0.079719	0.08584	0.928692	0.353049	0.773559	Dhx57
ENSMUSG0ENSMUSG0	279.5346	0.036853	0.105501	0.34931	0.726856	0.938552	Zc4h2
ENSMUSG0ENSMUSG0	275.1495	-0.36856	0.144592	-2.54895	0.010805	0.16119	Eef2k
ENSMUSG0ENSMUSG0	544.689	-0.11405	0.115017	-0.99162	0.321384	0.751563	Xkr6
ENSMUSG0ENSMUSG0	345.4348	0.077795	0.122733	0.63386	0.526172	0.868304	Oma1
ENSMUSG0ENSMUSG0	821.4393	0.010292	0.115235	0.089314	0.928833	0.985705	Mtmr9
ENSMUSG0ENSMUSG0	4551.345	0.026631	0.059299	0.449091	0.653366	0.919812	Becn1
ENSMUSG0ENSMUSG0	1162.231	0.007867	0.110226	0.07137	0.943103	0.988974	Secisbp2l
ENSMUSG0ENSMUSG0	479.5472	-0.18241	0.07743	-2.3558	0.018483	0.214651	Fam167a
ENSMUSG0ENSMUSG0	4306.298	-0.01798	0.100959	-0.17807	0.858665	0.972363	Dcbld2
ENSMUSG0ENSMUSG0	152.5765	-0.22312	0.125708	-1.77493	0.075909	0.437736	Shc4
ENSMUSG0ENSMUSG0	875.9258	-0.02088	0.145326	-0.1437	0.885741	0.977748	Wnk4
ENSMUSG0ENSMUSG0	228.0164	-0.12666	0.145352	-0.87141	0.383532	0.790739	Neil2
ENSMUSG0ENSMUSG0	321.9606	-0.14475	0.138449	-1.04554	0.295774	0.735281	Gcfc2
ENSMUSG0ENSMUSG0	69.62836	-0.20254	0.139236	-1.45465	0.145766	0.575953	Wdr78
ENSMUSG0ENSMUSG0	1160.654	-0.01108	0.140318	-0.07893	0.937089	0.987005	Arhgap5
ENSMUSG0ENSMUSG0	665.4198	-0.07834	0.079511	-0.98523	0.324509	0.754061	Secisbp2
ENSMUSG0ENSMUSG0	325.8495	0.00131	0.118554	0.011053	0.991181	0.998539	Nubpl
ENSMUSG0ENSMUSG0	5280.067	0.15952	0.066108	2.413031	0.01582	0.197494	Eif2s3x
ENSMUSG0ENSMUSG0	1396.569	-0.13326	0.136466	-0.97649	0.32882	0.755405	Elmod2
ENSMUSG0ENSMUSG0	6748.467	0.076911	0.0641	1.199858	0.230194	0.680403	Ap2b1
ENSMUSG0ENSMUSG0	799.415	-0.09934	0.117969	-0.84211	0.399728	0.799703	Ints6
ENSMUSG0ENSMUSG0	632.6716	-0.01304	0.135197	-0.09642	0.923184	0.985705	Zc3h12c
ENSMUSG0ENSMUSG0	680.4701	0.005026	0.141493	0.035522	0.971663	0.995539	Tanc1
ENSMUSG0ENSMUSG0	927.3756	0.075954	0.08844	0.858816	0.390442	0.794806	1110059E2
ENSMUSG0ENSMUSG0	2994.795	-0.01272	0.080219	-0.15853	0.874038	0.97593	Plekhh3
ENSMUSG0ENSMUSG0	1035.813	0.030382	0.107138	0.28358	0.776733	0.950382	Ccdc186
ENSMUSG0ENSMUSG0	987.2018	-0.01437	0.106372	-0.13508	0.892547	0.979424	Heatr5a
ENSMUSG0ENSMUSG0	99.27128	-0.2038	0.134455	-1.51576	0.12958	0.549048	Slc24a5
ENSMUSG0ENSMUSG0	595.2141	-0.22063	0.09929	-2.22203	0.026281	0.258836	Fam124a
ENSMUSG0ENSMUSG0	8488.734	0.093318	0.07551	1.235844	0.216517	0.667111	Nkx6-1

ENSMUSG0ENSMUSG0	6550.375	0.02775	0.057935	0.478983	0.631951	0.911472	Tubg1
ENSMUSG0ENSMUSG0	2285.751	0.258676	0.100861	2.564685	0.010327	0.156686	Arl6ip5
ENSMUSG0ENSMUSG0	962.3035	0.162556	0.145635	1.116185	0.264343	0.707402	Chrnrb4
ENSMUSG0ENSMUSG0	86682.93	0.0815	0.128257	0.635445	0.525138	0.868216	Lars2
ENSMUSG0ENSMUSG0	7883.467	0.086596	0.107324	0.806868	0.419743	0.81145	Epn1
ENSMUSG0ENSMUSG0	656.035	-0.02911	0.084309	-0.34531	0.729864	0.938791	Sppl2b
ENSMUSG0ENSMUSG0	41.14867	0.020905	0.145834	0.14335	0.886014	0.977819	Xrra1
ENSMUSG0ENSMUSG0	1208.57	-0.03569	0.097195	-0.36715	0.713505	0.935647	Leprot
ENSMUSG0ENSMUSG0	404.3307	0.05731	0.138705	0.413181	0.679474	0.928688	Lsm7
ENSMUSG0ENSMUSG0	8921.285	0.126155	0.110262	1.14414	0.252565	0.698438	Spccs2
ENSMUSG0ENSMUSG0	48.63098	-0.06856	0.144558	-0.47426	0.635317	0.912468	Ccdc106
ENSMUSG0ENSMUSG0	1419.904	-0.05565	0.099904	-0.55705	0.577496	0.891488	Pdk3
ENSMUSG0ENSMUSG0	356.1565	0.006445	0.098168	0.065656	0.947652	0.990755	Abraxas1
ENSMUSG0ENSMUSG0	226.7965	0.089308	0.113005	0.790298	0.429353	0.815457	Trim13
ENSMUSG0ENSMUSG0	530.45	0.305695	0.11369	2.688839	0.00717	0.128219	Scai
ENSMUSG0ENSMUSG0	137.6576	0.114182	0.142863	0.799239	0.424152	0.813996	Neu3
ENSMUSG0ENSMUSG0	16580.97	0.111483	0.089521	1.245333	0.213009	0.662162	Oaz1
ENSMUSG0ENSMUSG0	686.1592	-0.12857	0.11777	-1.09169	0.274969	0.716894	Eogt
ENSMUSG0ENSMUSG0	659.8141	-0.08554	0.092681	-0.923	0.356009	0.774872	Pcyt1b
ENSMUSG0ENSMUSG0	3537.646	-0.06106	0.088918	-0.68671	0.492268	0.852803	Hectd1
ENSMUSG0ENSMUSG0	1939.119	0.073469	0.074019	0.992568	0.32092	0.751482	Zcchc6
ENSMUSG0ENSMUSG0	1333.915	-0.00448	0.084467	-0.05302	0.957715	0.993017	Helq
ENSMUSG0ENSMUSG0	1395.236	-0.02835	0.12063	-0.23501	0.814202	0.959419	Pkig
ENSMUSG0ENSMUSG0	830.223	0.318837	0.116128	2.745559	0.006041	0.115275	Hpse
ENSMUSG0ENSMUSG0	90.23077	0.024508	0.140317	0.174664	0.861344	0.972861	Tpbg
ENSMUSG0ENSMUSG0	973.9564	0.074107	0.091568	0.809308	0.418338	0.810525	Plekhj1
ENSMUSG0ENSMUSG0	235.4243	0.264755	0.145452	1.820227	0.068725	0.42107	Ssc5d
ENSMUSG0ENSMUSG0	1095.48	-0.05205	0.103461	-0.50307	0.614912	0.9059	Vps13c
ENSMUSG0ENSMUSG0	758.0439	0.111352	0.107568	1.035178	0.300586	0.738862	Nat14
ENSMUSG0ENSMUSG0	2201.964	0.013211	0.114623	0.115253	0.908244	0.98248	G2e3
ENSMUSG0ENSMUSG0	3389.303	0.151134	0.083936	1.800595	0.071767	0.428248	Cops4
ENSMUSG0ENSMUSG0	1058.867	-0.27538	0.101893	-2.70265	0.006879	0.124571	Mid1
ENSMUSG0ENSMUSG0	156.453	0.155944	0.141647	1.100932	0.270926	0.713936	Ror1
ENSMUSG0ENSMUSG0	1297.221	0.112263	0.112206	1.000509	0.317064	0.750019	Lin54
ENSMUSG0ENSMUSG0	5917.525	0.294036	0.109942	2.674461	0.007485	0.131194	Gnptab
ENSMUSG0ENSMUSG0	68.49085	-0.0676	0.145503	-0.46458	0.642234	0.91473	Gdpd5
ENSMUSG0ENSMUSG0	11120.12	0.132507	0.058089	2.281113	0.022542	0.239901	Sec31a
ENSMUSG0ENSMUSG0	774.6287	0.006236	0.11052	0.056424	0.955004	0.992605	Fbxo33
ENSMUSG0ENSMUSG0	396.0417	-0.30333	0.141377	-2.14558	0.031907	0.286709	Lzts2
ENSMUSG0ENSMUSG0	459.9539	0.0924	0.09074	1.018299	0.308536	0.743099	Nup37
ENSMUSG0ENSMUSG0	1900.146	-0.01582	0.129262	-0.12237	0.902608	0.981785	Uvrag
ENSMUSG0ENSMUSG0	420.0177	-0.37733	0.131229	-2.87537	0.004036	0.09174	Nfkbiz
ENSMUSG0ENSMUSG0	65.29314	0.116163	0.145339	0.799255	0.424142	0.813996	4930524J08
ENSMUSG0ENSMUSG0	706.8652	-0.01492	0.076506	-0.19498	0.84541	0.968014	Parpbp
ENSMUSG0ENSMUSG0	1429.584	-0.04359	0.067513	-0.64562	0.518523	0.864227	Rmi1
ENSMUSG0ENSMUSG0	278.4824	0.068358	0.108289	0.631253	0.527875	0.868933	Adat3
ENSMUSG0ENSMUSG0	951.9235	0.201905	0.091023	2.218186	0.026542	0.259919	1810055G0
ENSMUSG0ENSMUSG0	1253.535	0.052175	0.08653	0.602971	0.546528	0.876478	Hacd2
ENSMUSG0ENSMUSG0	306.792	-0.06323	0.100575	-0.62868	0.529561	0.869505	Shq1
ENSMUSG0ENSMUSG0	1262.625	-0.30831	0.09896	-3.1155	0.001836	0.053631	Pcsk7
ENSMUSG0ENSMUSG0	1846.711	0.054986	0.061328	0.896581	0.369942	0.784801	Brsk1
ENSMUSG0ENSMUSG0	1529.325	-0.07332	0.088643	-0.82716	0.408149	0.80243	Dennd1a

ENSMUSG0ENSMUSG0	827.3015	-0.21299	0.082522	-2.58105	0.00985	0.151864	Klf16
ENSMUSG0ENSMUSG0	1532.676	0.141861	0.098727	1.436905	0.150745	0.584435	Oser1
ENSMUSG0ENSMUSG0	1838.1	-0.04322	0.088022	-0.49102	0.623413	0.907988	Emsy
ENSMUSG0ENSMUSG0	45.36248	0.126739	0.081168	1.561439	0.11842	0.528824	Kank4
ENSMUSG0ENSMUSG0	429.82	0.052371	0.117995	0.443839	0.657159	0.921426	Tmem98
ENSMUSG0ENSMUSG0	2283.13	0.022928	0.079642	0.287882	0.773437	0.949821	Rabgap1
ENSMUSG0ENSMUSG0	1805.919	0.186793	0.112365	1.662387	0.096435	0.486525	Haus8
ENSMUSG0ENSMUSG0	1106.58	0.05431	0.083669	0.649106	0.51627	0.863162	Myo1d
ENSMUSG0ENSMUSG0	1175.482	0.127065	0.104267	1.218655	0.222975	0.673105	Thyn1
ENSMUSG0ENSMUSG0	64.57886	-0.23039	0.139446	-1.65216	0.098502	0.490347	Foxa1
ENSMUSG0ENSMUSG0	2310.449	0.046915	0.080899	0.579921	0.561968	0.885011	Fignl1
ENSMUSG0ENSMUSG0	2407.874	-0.00862	0.070833	-0.12172	0.903118	0.98194	Rcbtb1
ENSMUSG0ENSMUSG0	586.0157	-0.05105	0.087558	-0.5831	0.559829	0.883939	Tab3
ENSMUSG0ENSMUSG0	4795.174	0.083513	0.075566	1.10516	0.26909	0.711911	Mbd3
ENSMUSG0ENSMUSG0	516.0657	-0.03531	0.119739	-0.29493	0.768047	0.948789	Plk5
ENSMUSG0ENSMUSG0	1175.337	0.030204	0.085547	0.353073	0.724033	0.937852	Tstd2
ENSMUSG0ENSMUSG0	210.7553	-0.33729	0.127106	-2.65364	0.007963	0.135765	Cdcp1
ENSMUSG0ENSMUSG0	2348.3	0.104834	0.057772	1.814628	0.069581	0.422384	Reep6
ENSMUSG0ENSMUSG0	634.7359	0.077002	0.089483	0.860527	0.389498	0.794806	Cox18
ENSMUSG0ENSMUSG0	924.3679	0.072333	0.113153	0.639246	0.522663	0.867021	Tdrd7
ENSMUSG0ENSMUSG0	5898.146	-0.05292	0.103393	-0.51184	0.608762	0.903796	Gnptg
ENSMUSG0ENSMUSG0	1362.039	0.10715	0.085654	1.250958	0.21095	0.659903	Prdm4
ENSMUSG0ENSMUSG0	20254.94	0.027801	0.126546	0.219688	0.826114	0.962521	Eif1
ENSMUSG0ENSMUSG0	7285.148	-0.38582	0.126932	-3.03954	0.002369	0.064504	Gc
ENSMUSG0ENSMUSG0	2873.232	-0.08537	0.098506	-0.86666	0.38613	0.792576	Leng8
ENSMUSG0ENSMUSG0	704.2901	-0.14396	0.083308	-1.728	0.083988	0.457485	Capn5
ENSMUSG0ENSMUSG0	2603.133	0.034934	0.133772	0.261143	0.793982	0.955378	Igfbpl1
ENSMUSG0ENSMUSG0	693.1219	0.229807	0.105829	2.171497	0.029894	0.277107	Mpv17l2
ENSMUSG0ENSMUSG0	425.0417	0.271684	0.141485	1.920232	0.054829	0.378757	Aldh1b1
ENSMUSG0ENSMUSG0	676.4641	0.267558	0.139532	1.917543	0.055169	0.379148	Pcdh17
ENSMUSG0ENSMUSG0	2974.559	-0.01254	0.090989	-0.13785	0.890357	0.978648	Ankrd11
ENSMUSG0ENSMUSG0	1257.835	0.179667	0.065431	2.745919	0.006034	0.115275	Dcaf10
ENSMUSG0ENSMUSG0	1805.51	0.108977	0.097805	1.114224	0.265183	0.708436	Utp6
ENSMUSG0ENSMUSG0	82.19497	0.096432	0.145983	0.660572	0.508887	0.859295	Iqcg
ENSMUSG0ENSMUSG0	3405.669	0.134207	0.098541	1.361938	0.173217	0.615469	Tsen34
ENSMUSG0ENSMUSG0	45.27192	-0.122	0.143279	-0.85152	0.394483	0.796294	Chrna5
ENSMUSG0ENSMUSG0	211.7876	-0.0868	0.124384	-0.69785	0.485273	0.848425	1600002K0
ENSMUSG0ENSMUSG0	2435.59	0.085489	0.082673	1.034051	0.301112	0.739127	Mboat7
ENSMUSG0ENSMUSG0	1604.102	0.008222	0.090587	0.090766	0.927678	0.985705	Prpf39
ENSMUSG0ENSMUSG0	417.3812	0.053574	0.087424	0.612808	0.540003	0.873794	Trmt10b
ENSMUSG0ENSMUSG0	671.8397	-0.19718	0.129148	-1.5268	0.12681	0.544514	Ky
ENSMUSG0ENSMUSG0	1191.217	0.071986	0.113648	0.633413	0.526464	0.868304	Togaram1
ENSMUSG0ENSMUSG0	2013.912	-0.06778	0.071013	-0.95441	0.339875	0.763163	Ric8b
ENSMUSG0ENSMUSG0	1619.272	0.005999	0.105374	0.056926	0.954604	0.992605	Midn
ENSMUSG0ENSMUSG0	1122.992	0.092615	0.081762	1.132743	0.257322	0.702538	Rsf1
ENSMUSG0ENSMUSG0	1934.155	0.087968	0.05604	1.569747	0.116474	0.525937	Rubcn
ENSMUSG0ENSMUSG0	3386.613	0.068342	0.078533	0.870237	0.384171	0.79106	Cnot3
ENSMUSG0ENSMUSG0	1504.132	-0.06372	0.117093	-0.54421	0.586297	0.894128	Grhpr
ENSMUSG0ENSMUSG0	1245.543	0.027254	0.126836	0.214877	0.829863	0.963218	Cbarp
ENSMUSG0ENSMUSG0	290.4669	0.037944	0.123428	0.307416	0.758527	0.945377	Aamdc
ENSMUSG0ENSMUSG0	968.4054	-0.05481	0.089002	-0.61579	0.538034	0.873794	Zcchc7
ENSMUSG0ENSMUSG0	278.841	0.069345	0.145733	0.475838	0.63419	0.912412	Lrnf5

ENSMUSG0ENSMUSGC	3368.351	0.158055	0.13277	1.190442	0.233873	0.68322	Gtf3c4
ENSMUSG0ENSMUSGC	455.9867	-0.36864	0.131669	-2.79978	0.005114	0.105325	Zswim4
ENSMUSG0ENSMUSGC	639.5228	-0.21957	0.07126	-3.08119	0.002062	0.057898	Sbno2
ENSMUSG0ENSMUSGC	2402.068	0.26931	0.117038	2.301043	0.021389	0.232636	Ndufa3
ENSMUSG0ENSMUSGC	487.7015	0.101855	0.145932	0.697961	0.485201	0.848425	Tnfsf9
ENSMUSG0ENSMUSGC	100.4199	-0.73687	0.125752	-5.85973	4.64E-09	4.77E-06	Kcnc2
ENSMUSG0ENSMUSGC	1841.871	0.011672	0.063954	0.182504	0.855188	0.970971	Melk
ENSMUSG0ENSMUSGC	37.88025	0.105018	0.143578	0.731435	0.464513	0.835901	Isg15
ENSMUSG0ENSMUSGC	1730.486	-0.02596	0.114715	-0.22628	0.820984	0.960727	Rnf38
ENSMUSG0ENSMUSGC	1197.938	-0.09902	0.076271	-1.29829	0.194187	0.639493	Alg8
ENSMUSG0ENSMUSGC	104.8579	-0.03367	0.140399	-0.23985	0.810445	0.958353	Dok3
ENSMUSG0ENSMUSGC	464.3845	0.007754	0.107875	0.071884	0.942694	0.988829	Usp35
ENSMUSG0ENSMUSGC	6209.767	-0.18052	0.103483	-1.7444	0.081089	0.450319	Abca7
ENSMUSG0ENSMUSGC	1121.949	-0.13581	0.112409	-1.20818	0.226977	0.676326	Prkx
ENSMUSG0ENSMUSGC	3585.719	0.000472	0.061428	0.007686	0.993868	0.998612	Supt16
ENSMUSG0ENSMUSGC	1260.306	-0.02717	0.114469	-0.23731	0.812413	0.958721	Dagla
ENSMUSG0ENSMUSGC	84.51593	0.048628	0.138318	0.351568	0.725162	0.938024	Grin3b
ENSMUSG0ENSMUSGC	1340.897	0.174744	0.086908	2.010678	0.04436	0.339607	Wdr18
ENSMUSG0ENSMUSGC	949.434	-0.01025	0.086681	-0.1183	0.905831	0.982338	Selenoo
ENSMUSG0ENSMUSGC	245.699	-0.41159	0.090816	-4.5321	5.84E-06	0.001115	Bbs10
ENSMUSG0ENSMUSGC	704.0626	-0.00913	0.086938	-0.10497	0.916396	0.984548	Tmem161b
ENSMUSG0ENSMUSGC	993.026	-0.03267	0.066398	-0.49198	0.622735	0.907988	Fbxo45
ENSMUSG0ENSMUSGC	1401.697	0.030116	0.071742	0.419782	0.674644	0.927604	Dym
ENSMUSG0ENSMUSGC	590.8052	-0.16919	0.109679	-1.54259	0.12293	0.535747	Xylb
ENSMUSG0ENSMUSGC	3013.472	0.092159	0.09233	0.99814	0.318212	0.75003	Dync1li2
ENSMUSG0ENSMUSGC	1544.774	-0.07146	0.066791	-1.06994	0.284648	0.725571	Mrps2
ENSMUSG0ENSMUSGC	87.42444	-0.12849	0.128124	-1.00286	0.315928	0.748791	Kiss1r
ENSMUSG0ENSMUSGC	1522.779	0.237554	0.073839	3.217175	0.001295	0.043018	Cd99l2
ENSMUSG0ENSMUSGC	2242.15	-0.06441	0.092934	-0.69307	0.488269	0.850258	R3hdm4
ENSMUSG0ENSMUSGC	806.1332	-0.15372	0.097518	-1.57635	0.114945	0.522571	Cep19
ENSMUSG0ENSMUSGC	1381.688	-0.00066	0.100629	-0.00657	0.994755	0.998655	Zdhhc17
ENSMUSG0ENSMUSGC	172748.7	-0.16407	0.134649	-1.21848	0.223043	0.673157	Ins1
ENSMUSG0ENSMUSGC	678.0486	0.017204	0.085696	0.200753	0.840892	0.96667	Tk2
ENSMUSG0ENSMUSGC	861.1355	0.13135	0.12497	1.05105	0.293236	0.733452	Pim3
ENSMUSG0ENSMUSGC	873.0499	-0.14554	0.0975	-1.4927	0.135515	0.561163	Ppp1r26
ENSMUSG0ENSMUSGC	364.3687	0.191148	0.117103	1.632314	0.102613	0.499227	Polr3g
ENSMUSG0ENSMUSGC	157.5396	-0.32443	0.131687	-2.46365	0.013753	0.183104	Plppr3
ENSMUSG0ENSMUSGC	395.9106	-0.0876	0.14365	-0.60978	0.542005	0.875015	Lysmd3
ENSMUSG0ENSMUSGC	969.4646	0.11937	0.078603	1.518646	0.128852	0.54765	Ddx11
ENSMUSG0ENSMUSGC	649.0959	-0.16354	0.078915	-2.0723	0.038237	0.31766	Alg12
ENSMUSG0ENSMUSGC	12977.52	0.078489	0.112499	0.697682	0.485376	0.848425	Ids
ENSMUSG0ENSMUSGC	64.76248	0.067724	0.144397	0.469013	0.63906	0.913617	Krt222
ENSMUSG0ENSMUSGC	2235.985	0.091026	0.076488	1.190071	0.234019	0.68322	Ythdc1
ENSMUSG0ENSMUSGC	662.1283	-0.12074	0.092158	-1.31012	0.190154	0.637983	Palm
ENSMUSG0ENSMUSGC	489.7333	-0.13898	0.116477	-1.19321	0.232787	0.682384	Syt1
ENSMUSG0ENSMUSGC	241.6084	-0.0853	0.112285	-0.75972	0.447424	0.824078	Zfp983
ENSMUSG0ENSMUSGC	869.5518	-0.04034	0.127596	-0.31615	0.75189	0.94327	Pawr
ENSMUSG0ENSMUSGC	1954.538	0.058117	0.091057	0.638244	0.523315	0.86723	Zhx3
ENSMUSG0ENSMUSGC	109.6239	0.136613	0.122581	1.114474	0.265076	0.708436	Hykk
ENSMUSG0ENSMUSGC	11293.17	0.163096	0.112539	1.449245	0.147269	0.578667	Cox8a
ENSMUSG0ENSMUSGC	2488.975	0.0485	0.122019	0.397476	0.691016	0.931679	Rnf126
ENSMUSG0ENSMUSGC	5954.223	-0.12221	0.10444	-1.17012	0.241953	0.689488	Cerk

ENSMUSG0ENSMUSG0	1213.107	0.187955	0.107044	1.75587	0.079111	0.445187	Uba6
ENSMUSG0ENSMUSG0	48.57426	-0.21232	0.145756	-1.45671	0.145198	0.575087	Gramd4
ENSMUSG0ENSMUSG0	3351.998	-0.0325	0.085779	-0.37889	0.704771	0.93471	Dennd5a
ENSMUSG0ENSMUSG0	268.8703	-0.07586	0.099126	-0.76525	0.444122	0.823181	Cd276
ENSMUSG0ENSMUSG0	515.3454	0.096109	0.088847	1.081734	0.279371	0.721123	Bbs9
ENSMUSG0ENSMUSG0	1643.398	-0.19145	0.121913	-1.57039	0.116326	0.525543	H2-Q4
ENSMUSG0ENSMUSG0	358.9852	0.094316	0.124796	0.755758	0.449794	0.825539	Cog5
ENSMUSG0ENSMUSG0	287.8758	-0.15501	0.122575	-1.26459	0.206017	0.653818	Pknx2
ENSMUSG0ENSMUSG0	3135.085	0.440592	0.126088	3.494331	0.000475	0.02327	Aldh5a1
ENSMUSG0ENSMUSG0	2888.348	-0.02944	0.105321	-0.27957	0.779804	0.951422	Ibtk
ENSMUSG0ENSMUSG0	214.1242	-0.16989	0.116689	-1.45588	0.145425	0.575464	Ttc38
ENSMUSG0ENSMUSG0	1995.764	0.009266	0.057408	0.161403	0.871776	0.975692	Fbxw2
ENSMUSG0ENSMUSG0	2975.197	0.030394	0.105713	0.287509	0.773723	0.949821	Tmem55b
ENSMUSG0ENSMUSG0	329.418	-0.17306	0.120213	-1.43959	0.149982	0.583134	Dock4
ENSMUSG0ENSMUSG0	1702.722	-0.07885	0.087939	-0.89667	0.369894	0.784801	Tdp2
ENSMUSG0ENSMUSG0	1752.106	0.133034	0.098136	1.35561	0.175223	0.617729	Apex1
ENSMUSG0ENSMUSG0	77.61804	-0.03745	0.144462	-0.25926	0.795435	0.955463	Odf3l2
ENSMUSG0ENSMUSG0	3820.022	-0.09119	0.108057	-0.84393	0.398707	0.799027	Tmem59l
ENSMUSG0ENSMUSG0	1041.635	-0.12884	0.087625	-1.4704	0.141452	0.571236	Ints6l
ENSMUSG0ENSMUSG0	631.5965	-0.25845	0.097778	-2.64324	0.008212	0.138245	Rusc2
ENSMUSG0ENSMUSG0	78.94407	-0.08947	0.137186	-0.65215	0.514303	0.862556	Gm7008
ENSMUSG0ENSMUSG0	63.94005	-0.1394	0.142751	-0.97652	0.328805	0.755405	Nme5
ENSMUSG0ENSMUSG0	1988.131	0.029348	0.143159	0.205004	0.837569	0.965548	Fnip1
ENSMUSG0ENSMUSG0	657.9634	0.106899	0.1207	0.885657	0.375803	0.78793	Fam214b
ENSMUSG0ENSMUSG0	192.8742	-0.08444	0.117406	-0.71923	0.471998	0.841375	Mettl25
ENSMUSG0ENSMUSG0	705.6458	-0.48897	0.110927	-4.408	1.04E-05	0.00155	Tmtc2
ENSMUSG0ENSMUSG0	601.2949	-0.07424	0.10374	-0.71561	0.474233	0.842005	Fam122b
ENSMUSG0ENSMUSG0	1265.939	-0.02478	0.066178	-0.37444	0.708075	0.934791	Parp2
ENSMUSG0ENSMUSG0	2947.421	-0.15608	0.06347	-2.45914	0.013927	0.184502	Tmem63b
ENSMUSG0ENSMUSG0	174.1463	-0.13292	0.139413	-0.9534	0.340386	0.763413	Adamtsl2
ENSMUSG0ENSMUSG0	4142.762	0.145506	0.094355	1.54212	0.123044	0.535747	5031439G0
ENSMUSG0ENSMUSG0	402.0873	-0.10464	0.098112	-1.06651	0.286195	0.726741	Dnajb5
ENSMUSG0ENSMUSG0	1937.473	-0.02585	0.13964	-0.18512	0.853132	0.96996	Fmn12
ENSMUSG0ENSMUSG0	1645.694	0.033088	0.097705	0.338651	0.734872	0.938791	Sugp2
ENSMUSG0ENSMUSG0	2910.993	0.099138	0.089987	1.101692	0.270596	0.713936	Ptpn23
ENSMUSG0ENSMUSG0	563.6942	-0.31919	0.087761	-3.63707	0.000276	0.01582	Smug1
ENSMUSG0ENSMUSG0	390.1085	-0.21147	0.100105	-2.11251	0.034643	0.30127	Slc2a6
ENSMUSG0ENSMUSG0	447.3254	0.035842	0.107227	0.334264	0.73818	0.940097	Galt
ENSMUSG0ENSMUSG0	1678.273	0.054724	0.104316	0.524595	0.599865	0.898993	Sigmar1
ENSMUSG0ENSMUSG0	506.8736	-0.02545	0.098636	-0.258	0.796405	0.955634	Zranb3
ENSMUSG0ENSMUSG0	2001.602	-0.07307	0.075556	-0.96709	0.333499	0.758918	Slain2
ENSMUSG0ENSMUSG0	81.12593	-0.00627	0.133833	-0.04684	0.962641	0.994289	Hyal3
ENSMUSG0ENSMUSG0	5142.104	-0.07094	0.060359	-1.17526	0.23989	0.688236	Arl5a
ENSMUSG0ENSMUSG0	233.7398	-0.25392	0.144529	-1.75689	0.078936	0.445187	Dgkb
ENSMUSG0ENSMUSG0	2558.565	-0.01096	0.108244	-0.10122	0.919375	0.985667	Slf2
ENSMUSG0ENSMUSG0	37.32995	-0.36153	0.143043	-2.52744	0.01149	0.166035	Myrf
ENSMUSG0ENSMUSG0	1147.796	0.093661	0.086618	1.081302	0.279563	0.721161	Vezt
ENSMUSG0ENSMUSG0	6981.528	0.09134	0.120074	0.760701	0.446836	0.824037	Rab3gap1
ENSMUSG0ENSMUSG0	2040.016	-0.15172	0.082934	-1.82938	0.067342	0.416748	Lmo1
ENSMUSG0ENSMUSG0	5031.869	0.160679	0.06423	2.50164	0.012362	0.172307	Metap2
ENSMUSG0ENSMUSG0	838.4748	0.073719	0.113307	0.650614	0.515296	0.862902	Rpp25l
ENSMUSG0ENSMUSG0	443.6776	-0.03033	0.12146	-0.24969	0.802829	0.957091	Rfxank

ENSMUSG0ENSMUSGC	117.9969	0.303906	0.112973	2.690072	0.007144	0.128019	Fam110c
ENSMUSG0ENSMUSGC	2771.548	0.044981	0.091208	0.493167	0.621894	0.907988	Acaa1a
ENSMUSG0ENSMUSGC	3219.634	-0.1005	0.094059	-1.06843	0.285325	0.725911	Meox2
ENSMUSG0ENSMUSGC	75.99904	-0.05286	0.145102	-0.36428	0.715647	0.935647	Tm6sf2
ENSMUSG0ENSMUSGC	1996.212	-0.12723	0.125433	-1.01433	0.310424	0.744597	Mgat5
ENSMUSG0ENSMUSGC	770.344	0.022125	0.064846	0.341188	0.732962	0.938791	Surf6
ENSMUSG0ENSMUSGC	1350.699	0.064878	0.091075	0.71235	0.476248	0.843045	Pphln1
ENSMUSG0ENSMUSGC	3646.254	0.094387	0.085537	1.103463	0.269826	0.712941	Gatad2a
ENSMUSG0ENSMUSGC	2096.28	0.144332	0.145819	0.989804	0.32227	0.751983	Hist1h1c
ENSMUSG0ENSMUSGC	767.1613	0.066258	0.114451	0.578923	0.562641	0.885011	Fam69b
ENSMUSG0ENSMUSGC	1052.773	0.053893	0.118224	0.455854	0.648495	0.918363	Ankmy2
ENSMUSG0ENSMUSGC	36.66708	0.071229	0.144358	0.493419	0.621716	0.907988	Rorb
ENSMUSG0ENSMUSGC	1534.739	-0.16266	0.08415	-1.93294	0.053244	0.37491	Gxylt1
ENSMUSG0ENSMUSGC	554.037	0.182424	0.145091	1.257307	0.208643	0.656691	Arhgap36
ENSMUSG0ENSMUSGC	3927.081	0.182711	0.100159	1.824211	0.06812	0.419228	Ndufa13
ENSMUSG0ENSMUSGC	2100.983	-0.00385	0.103569	-0.03718	0.970343	0.995539	Rif1
ENSMUSG0ENSMUSGC	491.1978	0.039644	0.141779	0.279618	0.779771	0.951422	Sh3bp4
ENSMUSG0ENSMUSGC	277.0374	-0.01278	0.112618	-0.11346	0.909669	0.983146	Nepro
ENSMUSG0ENSMUSGC	171.2428	-0.10671	0.12712	-0.83942	0.401232	0.79975	Znrd1as
ENSMUSG0ENSMUSGC	813.192	-0.0367	0.085742	-0.42808	0.668592	0.925067	Ska1
ENSMUSG0ENSMUSGC	208.0174	-0.14864	0.119773	-1.24102	0.214598	0.665398	Kctd1
ENSMUSG0ENSMUSGC	1971.702	-0.00451	0.071832	-0.06281	0.949921	0.991323	Ube2r2
ENSMUSG0ENSMUSGC	201.9296	-0.29284	0.115653	-2.53209	0.011338	0.165004	3632451OC
ENSMUSG0ENSMUSGC	974.0305	0.005078	0.082216	0.061769	0.950747	0.991545	Gmip
ENSMUSG0ENSMUSGC	955.7038	0.040191	0.075226	0.534262	0.59316	0.895885	Rbm43
ENSMUSG0ENSMUSGC	378.9037	-0.59848	0.139342	-4.29507	1.75E-05	0.002195	Igfbp7
ENSMUSG0ENSMUSGC	1678.946	0.044524	0.098328	0.452807	0.650688	0.918867	Pnpla8
ENSMUSG0ENSMUSGC	2704.821	0.001091	0.122984	0.008871	0.992922	0.998539	Edc4
ENSMUSG0ENSMUSGC	254.8755	0.248889	0.145988	1.704862	0.08822	0.467952	Lrrk2
ENSMUSG0ENSMUSGC	6875.695	-0.00676	0.058041	-0.11643	0.907312	0.982338	9530068EO
ENSMUSG0ENSMUSGC	313.3617	-0.07438	0.11239	-0.66178	0.508112	0.858898	Macrodl
ENSMUSG0ENSMUSGC	753.8078	0.007706	0.085115	0.09054	0.927858	0.985705	Snappc4
ENSMUSG0ENSMUSGC	1275.981	0.013344	0.106846	0.124886	0.900613	0.981243	Naa30
ENSMUSG0ENSMUSGC	1010.027	0.001033	0.097159	0.010634	0.991516	0.998539	Noa1
ENSMUSG0ENSMUSGC	452.6151	-0.25747	0.100136	-2.57118	0.010135	0.154305	Ap5m1
ENSMUSG0ENSMUSGC	291.8181	-0.02411	0.116667	-0.20668	0.836263	0.965089	Gramd1c
ENSMUSG0ENSMUSGC	101.1456	-0.42583	0.125377	-3.39639	0.000683	0.029067	Lrrn3
ENSMUSG0ENSMUSGC	808.6669	0.094109	0.144394	0.651754	0.51456	0.862556	Slc2a13
ENSMUSG0ENSMUSGC	3770.726	0.135711	0.086422	1.570334	0.116337	0.525543	BC031181
ENSMUSG0ENSMUSGC	46.36237	0.015552	0.14474	0.107446	0.914435	0.984092	Zdhhc23
ENSMUSG0ENSMUSGC	51.2575	0.025239	0.145906	0.17298	0.862667	0.973203	Rpl39-ps
ENSMUSG0ENSMUSGC	96.99789	0.115799	0.124775	0.928062	0.353376	0.773627	Lzts1
ENSMUSG0ENSMUSGC	6207.748	0.085313	0.084167	1.013616	0.310766	0.744847	Skp1a
ENSMUSG0ENSMUSGC	624.0291	0.00248	0.099546	0.024916	0.980122	0.996602	Znrd1
ENSMUSG0ENSMUSGC	5678.645	0.070382	0.074324	0.946956	0.343661	0.765894	Srp72
ENSMUSG0ENSMUSGC	2577.697	-0.2662	0.077518	-3.43406	0.000595	0.026494	Qsox2
ENSMUSG0ENSMUSGC	591.6126	-0.12841	0.102275	-1.25553	0.209285	0.658083	Slc18a1
ENSMUSG0ENSMUSGC	7329.374	-0.04165	0.117615	-0.35416	0.723221	0.937763	Kidins220
ENSMUSG0ENSMUSGC	125.2597	0.066026	0.140459	0.47007	0.638305	0.913202	Igsf10
ENSMUSG0ENSMUSGC	704.3349	-0.17189	0.122029	-1.40859	0.158956	0.59683	Tmem260
ENSMUSG0ENSMUSGC	1734.922	0.263058	0.088227	2.981597	0.002867	0.073436	Ubac1
ENSMUSG0ENSMUSGC	109.323	-0.00274	0.120845	-0.02267	0.981916	0.997345	Rmdn2

ENSMUSG0ENSMUSG0	9576.638	0.170311	0.069191	2.461478	0.013837	0.183668	Serbp1
ENSMUSG0ENSMUSG0	3125.45	0.105386	0.098976	1.064764	0.286983	0.72736	Tmem258
ENSMUSG0ENSMUSG0	588.8527	0.05577	0.08916	0.62551	0.531636	0.870719	Abt1
ENSMUSG0ENSMUSG0	3088.85	0.105705	0.144119	0.733455	0.463281	0.835155	Gadd45a
ENSMUSG0ENSMUSG0	1200.613	0.094331	0.127447	0.740157	0.459205	0.832245	Sec24a
ENSMUSG0ENSMUSG0	834.2887	-0.44581	0.099891	-4.46294	8.08E-06	0.001422	Glb1l2
ENSMUSG0ENSMUSG0	2077.493	0.103267	0.098932	1.043816	0.296571	0.735498	Ppp1r11
ENSMUSG0ENSMUSG0	58762.6	0.059538	0.062102	0.958725	0.337697	0.760444	Gng12
ENSMUSG0ENSMUSG0	760.2499	-0.00596	0.106022	-0.05624	0.95515	0.992624	Cep135
ENSMUSG0ENSMUSG0	648.516	0.146895	0.09008	1.630721	0.102949	0.4995	9530077C0
ENSMUSG0ENSMUSG0	33753.27	0.057293	0.145337	0.394211	0.693425	0.932409	Gpi1
ENSMUSG0ENSMUSG0	648.6622	0.103463	0.120753	0.856815	0.391547	0.794949	Tbcc
ENSMUSG0ENSMUSG0	2046.233	0.029598	0.121647	0.243315	0.807761	0.958353	Siah2
ENSMUSG0ENSMUSG0	1245.009	0.01172	0.09617	0.121865	0.903006	0.98194	Exoc1
ENSMUSG0ENSMUSG0	14755.62	0.010283	0.081836	0.125657	0.900004	0.981243	Calm2
ENSMUSG0ENSMUSG0	1457.362	0.050173	0.116664	0.430063	0.66715	0.925067	Thap11
ENSMUSG0ENSMUSG0	2201.131	-0.07673	0.066142	-1.16001	0.246045	0.69389	Hif1an
ENSMUSG0ENSMUSG0	562.8856	-0.02947	0.091713	-0.32131	0.747972	0.94212	Arhgap26
ENSMUSG0ENSMUSG0	49.66372	-0.31111	0.140659	-2.21184	0.026977	0.262366	Wtip
ENSMUSG0ENSMUSG0	726.9923	-0.1597	0.10042	-1.59027	0.111773	0.516979	Elf1
ENSMUSG0ENSMUSG0	228.8165	-0.20012	0.135269	-1.47939	0.139037	0.567482	Megf11
ENSMUSG0ENSMUSG0	1187.286	0.046197	0.109677	0.42121	0.673602	0.927486	Tbc1d24
ENSMUSG0ENSMUSG0	4923.915	0.026996	0.114364	0.236057	0.813388	0.959202	Btg1
ENSMUSG0ENSMUSG0	1473.027	0.10051	0.106438	0.944306	0.345013	0.766461	Eea1
ENSMUSG0ENSMUSG0	1244.303	0.128847	0.122368	1.052952	0.292363	0.732387	Fam13b
ENSMUSG0ENSMUSG0	107.826	-0.37647	0.14415	-2.61163	0.009011	0.144254	Tmem255a
ENSMUSG0ENSMUSG0	1173.534	0.108698	0.114874	0.946236	0.344028	0.766294	Rnf13
ENSMUSG0ENSMUSG0	1258.147	0.219544	0.130794	1.678545	0.093241	0.478812	Phpt1
ENSMUSG0ENSMUSG0	1978.678	0.143982	0.115594	1.245578	0.212919	0.662162	Cdh8
ENSMUSG0ENSMUSG0	639.4573	0.012707	0.098318	0.129244	0.897165	0.98034	Commd2
ENSMUSG0ENSMUSG0	143.4222	-0.19705	0.144738	-1.3614	0.173388	0.615486	Greb1
ENSMUSG0ENSMUSG0	3258.281	0.21664	0.107955	2.00676	0.044775	0.341811	Sbf1
ENSMUSG0ENSMUSG0	138.1753	0.031306	0.142411	0.219826	0.826007	0.962521	Cdc42ep3
ENSMUSG0ENSMUSG0	1061.61	-0.02401	0.145902	-0.16459	0.86927	0.974875	Slc38a7
ENSMUSG0ENSMUSG0	212.7264	0.086521	0.118918	0.72757	0.466877	0.837742	Rnf113a1
ENSMUSG0ENSMUSG0	7308.524	-0.0632	0.128884	-0.49034	0.623895	0.907988	Cnot1
ENSMUSG0ENSMUSG0	1240.566	-0.1449	0.067178	-2.15698	0.031007	0.282519	Ermard
ENSMUSG0ENSMUSG0	784.8544	-0.12833	0.104702	-1.22569	0.220317	0.671311	lqce
ENSMUSG0ENSMUSG0	936.4582	0.036578	0.107116	0.341483	0.73274	0.938791	Ppp6r2
ENSMUSG0ENSMUSG0	9436.198	0.110001	0.143554	0.766266	0.443518	0.822718	Ndrd4
ENSMUSG0ENSMUSG0	3208.366	0.104731	0.119108	0.879293	0.379243	0.789493	Ttyh3
ENSMUSG0ENSMUSG0	687.6151	-0.25324	0.104011	-2.43478	0.014901	0.191337	Bicral
ENSMUSG0ENSMUSG0	3214.446	0.155352	0.119743	1.297381	0.1945	0.640208	Upf3b
ENSMUSG0ENSMUSG0	61.18494	-0.01588	0.140475	-0.11308	0.909968	0.98323	Fxyd7
ENSMUSG0ENSMUSG0	990.757	-0.03592	0.088191	-0.40734	0.68376	0.93061	Spg20
ENSMUSG0ENSMUSG0	679.5027	0.01849	0.133866	0.13812	0.890146	0.978648	Fgf1
ENSMUSG0ENSMUSG0	2581.121	0.011824	0.11541	0.102449	0.918401	0.984937	Arhgap21
ENSMUSG0ENSMUSG0	700.2757	0.193021	0.101098	1.909234	0.056232	0.3833	Chst12
ENSMUSG0ENSMUSG0	7492.034	0.045726	0.111426	0.41037	0.681535	0.929695	Plxnb2
ENSMUSG0ENSMUSG0	901.1495	-0.10019	0.083119	-1.20541	0.228045	0.677662	Eepd1
ENSMUSG0ENSMUSG0	944.8981	0.041819	0.076581	0.546076	0.585014	0.893377	Tssc1
ENSMUSG0ENSMUSG0	723.5608	0.040905	0.11004	0.37173	0.710094	0.935155	Rfxap

ENSMUSG0ENSMUSG0	327.9925	0.03972	0.131881	0.301183	0.763275	0.946679	Etl4
ENSMUSG0ENSMUSG0	1457.25	-0.00011	0.107745	-0.00104	0.99917	0.999408	Mgat4b
ENSMUSG0ENSMUSG0	1850.493	-0.06113	0.091415	-0.66875	0.503654	0.856314	Atp13a2
ENSMUSG0ENSMUSG0	1019.989	-0.09486	0.078701	-1.20529	0.22809	0.677662	Alg5
ENSMUSG0ENSMUSG0	2285.198	-0.00074	0.09645	-0.00766	0.993891	0.998612	Clcn7
ENSMUSG0ENSMUSG0	349.5275	-0.04154	0.141245	-0.2941	0.768678	0.949009	Nudt1
ENSMUSG0ENSMUSG0	62.65841	0.168807	0.145973	1.156429	0.247506	0.695372	Ccdc148
ENSMUSG0ENSMUSG0	4536.656	-0.1777	0.107046	-1.66001	0.096912	0.486645	Tbc1d9b
ENSMUSG0ENSMUSG0	3245.015	-0.10635	0.056983	-1.86633	0.061995	0.401295	Man1b1
ENSMUSG0ENSMUSG0	137.1568	0.237756	0.145679	1.632056	0.102668	0.499227	Olf1r11
ENSMUSG0ENSMUSG0	439.7687	0.173994	0.115682	1.504077	0.132562	0.555041	Dennd3
ENSMUSG0ENSMUSG0	2159.901	0.049771	0.064395	0.772899	0.439582	0.820656	Tcaf1
ENSMUSG0ENSMUSG0	1244.694	0.230088	0.083572	2.753185	0.005902	0.114003	Cenpt
ENSMUSG0ENSMUSG0	2894.007	0.125171	0.103291	1.211834	0.225576	0.675195	Tmtc3
ENSMUSG0ENSMUSG0	2320.592	0.027084	0.060684	0.446317	0.655368	0.920184	Aaas
ENSMUSG0ENSMUSG0	2025.941	0.170975	0.068382	2.500302	0.012409	0.172599	Cc2d1a
ENSMUSG0ENSMUSG0	1325.622	0.196458	0.066075	2.97325	0.002947	0.074316	Tmem184a
ENSMUSG0ENSMUSG0	1109.191	-0.00724	0.091185	-0.07944	0.936683	0.986886	Nop14
ENSMUSG0ENSMUSG0	2665.832	0.053472	0.100896	0.529973	0.596131	0.897453	Ago2
ENSMUSG0ENSMUSG0	312.8767	-0.0398	0.118248	-0.33657	0.736444	0.939196	Zcchc12
ENSMUSG0ENSMUSG0	3513.793	-0.00439	0.082131	-0.05347	0.957358	0.993011	Cab39
ENSMUSG0ENSMUSG0	3122.189	0.081626	0.119063	0.685572	0.492983	0.852803	Cyld
ENSMUSG0ENSMUSG0	53.23756	-0.3916	0.145682	-2.68807	0.007187	0.128255	Micall2
ENSMUSG0ENSMUSG0	268.0643	-0.17525	0.103966	-1.68565	0.091864	0.476131	Zscan12
ENSMUSG0ENSMUSG0	3333.393	0.173335	0.098009	1.768563	0.076967	0.440061	Rbm42
ENSMUSG0ENSMUSG0	1942.76	0.039103	0.06458	0.60549	0.544853	0.875467	Oxsr1
ENSMUSG0ENSMUSG0	2156.05	0.032675	0.089951	0.363253	0.716416	0.93588	Ttll7
ENSMUSG0ENSMUSG0	3033.586	0.080454	0.097345	0.826484	0.40853	0.802722	Cuedc2
ENSMUSG0ENSMUSG0	7810.127	0.173406	0.103953	1.668117	0.095293	0.485498	Cox6b1
ENSMUSG0ENSMUSG0	17374.33	0.075402	0.088711	0.849967	0.395343	0.796836	Tubb4b
ENSMUSG0ENSMUSG0	212.2942	0.048189	0.116474	0.413736	0.679067	0.928688	Kcnk9
ENSMUSG0ENSMUSG0	965.3663	0.161671	0.1064	1.519462	0.128646	0.547624	Dnajc12
ENSMUSG0ENSMUSG0	2864.683	0.108784	0.08328	1.306239	0.191471	0.638563	Dner
ENSMUSG0ENSMUSG0	1009.071	0.08751	0.084365	1.037275	0.299608	0.737987	Kif15
ENSMUSG0ENSMUSG0	431.0303	0.103724	0.119795	0.865843	0.386576	0.792662	Wdr44
ENSMUSG0ENSMUSG0	1090.001	0.02066	0.078301	0.26385	0.791895	0.954659	Decr2
ENSMUSG0ENSMUSG0	3718.656	-0.13883	0.088068	-1.57644	0.114924	0.522571	Anln
ENSMUSG0ENSMUSG0	1225.242	0.015092	0.135985	0.110979	0.911633	0.983954	Papd5
ENSMUSG0ENSMUSG0	2599.186	-0.02327	0.106538	-0.21843	0.827093	0.962625	Rps27l
ENSMUSG0ENSMUSG0	451.5905	0.022894	0.124078	0.184516	0.853609	0.970089	Klhl13
ENSMUSG0ENSMUSG0	640.6655	0.016816	0.114281	0.147143	0.883019	0.976958	Mbd5
ENSMUSG0ENSMUSG0	50.72402	-0.09609	0.145929	-0.65849	0.510226	0.860158	Fam135b
ENSMUSG0ENSMUSG0	1711.395	0.075396	0.100036	0.753693	0.451033	0.826678	Cnep1r1
ENSMUSG0ENSMUSG0	824.4006	0.056765	0.137382	0.413192	0.679466	0.928688	Dpp10
ENSMUSG0ENSMUSG0	2747.727	-0.06573	0.07601	-0.86469	0.38721	0.793232	Sun1
ENSMUSG0ENSMUSG0	422.2673	0.228978	0.085636	2.673856	0.007498	0.131194	Jmjd4
ENSMUSG0ENSMUSG0	1513.849	0.07118	0.096908	0.734513	0.462636	0.834781	Topors
ENSMUSG0ENSMUSG0	1906.916	0.01915	0.05601	0.341914	0.732416	0.938791	Ssx2ip
ENSMUSG0ENSMUSG0	49.10033	0.119473	0.144914	0.824444	0.409687	0.803007	Igflr1
ENSMUSG0ENSMUSG0	206.8287	-0.10627	0.121297	-0.87612	0.380962	0.79028	Pnpla7
ENSMUSG0ENSMUSG0	359.0439	0.063159	0.120917	0.522332	0.601439	0.899471	Plch1
ENSMUSG0ENSMUSG0	2553.129	0.094615	0.100476	0.941661	0.346366	0.767934	Psenen

ENSMUSG0ENSMUSG0	884.4388	-0.09712	0.10759	-0.90267	0.3667	0.783263	Siah1a
ENSMUSG0ENSMUSG0	705.4842	0.092284	0.113288	0.814596	0.415303	0.807961	Lin37
ENSMUSG0ENSMUSG0	1119.659	0.258361	0.119971	2.153525	0.031277	0.283766	Mrpl41
ENSMUSG0ENSMUSG0	1068.45	-0.27771	0.087759	-3.16444	0.001554	0.04838	Hspb6
ENSMUSG0ENSMUSG0	2526.388	0.095541	0.093789	1.018674	0.308358	0.743099	Wnt4
ENSMUSG0ENSMUSG0	791.102	0.104379	0.106196	0.982888	0.325663	0.754238	Mrpl55
ENSMUSG0ENSMUSG0	140.1031	-0.03072	0.14267	-0.21535	0.829492	0.963218	Syde2
ENSMUSG0ENSMUSG0	469.2127	-0.05045	0.102881	-0.4904	0.623849	0.907988	Proser3
ENSMUSG0ENSMUSG0	242.8011	-0.09864	0.128323	-0.76869	0.44208	0.822001	Smad6
ENSMUSG0ENSMUSG0	549.3687	0.037707	0.100909	0.373674	0.708647	0.934791	2410004B1
ENSMUSG0ENSMUSG0	1260.679	-0.04406	0.070655	-0.62366	0.532853	0.871698	Dna2
ENSMUSG0ENSMUSG0	1286.111	0.149002	0.108115	1.378181	0.168148	0.60858	Phkb
ENSMUSG0ENSMUSG0	289.9433	0.010029	0.139734	0.071769	0.942786	0.988829	Acaa2
ENSMUSG0ENSMUSG0	1349.287	-0.0334	0.116262	-0.28726	0.77391	0.949821	Arhgap33
ENSMUSG0ENSMUSG0	57.81221	-0.15098	0.13895	-1.08656	0.277231	0.71903	Arhgef26
ENSMUSG0ENSMUSG0	1912.408	0.33793	0.104652	3.229066	0.001242	0.041922	C1qa
ENSMUSG0ENSMUSG0	256.5339	0.223989	0.111808	2.003326	0.045142	0.342308	Gtdc1
ENSMUSG0ENSMUSG0	1022.506	-0.20139	0.086595	-2.32565	0.020037	0.224132	Ehmt1
ENSMUSG0ENSMUSG0	240.7007	0.017	0.108451	0.156753	0.87544	0.97593	Rap2b
ENSMUSG0ENSMUSG0	587.85	-0.04925	0.079558	-0.61906	0.535878	0.872592	Zfp157
ENSMUSG0ENSMUSG0	3875.929	0.076355	0.095633	0.798419	0.424628	0.813996	Neto2
ENSMUSG0ENSMUSG0	294.2652	0.018163	0.143958	0.126168	0.899599	0.981243	Fzd8
ENSMUSG0ENSMUSG0	108.7832	-0.25448	0.145473	-1.74931	0.080237	0.447549	Unc93b1
ENSMUSG0ENSMUSG0	488.1794	-0.0394	0.105575	-0.37319	0.709003	0.934824	Trim67
ENSMUSG0ENSMUSG0	393.2088	-0.15466	0.127639	-1.21168	0.225636	0.675195	Kirrel2
ENSMUSG0ENSMUSG0	334.5892	0.043928	0.124251	0.353543	0.723681	0.937852	Zfp280c
ENSMUSG0ENSMUSG0	532.3045	-0.04292	0.128687	-0.33351	0.738747	0.940232	Ttc7
ENSMUSG0ENSMUSG0	176.5003	0.005977	0.143507	0.041651	0.966777	0.994967	Stox1
ENSMUSG0ENSMUSG0	203.5047	0.054824	0.114611	0.47835	0.632401	0.911801	Nfkbid
ENSMUSG0ENSMUSG0	1297.924	0.172872	0.081697	2.116024	0.034343	0.299843	Aifm1
ENSMUSG0ENSMUSG0	485.659	-0.05502	0.087465	-0.62911	0.529276	0.869382	4921524J17
ENSMUSG0ENSMUSG0	3655.298	-0.0379	0.057552	-0.65854	0.510189	0.860158	Kdm1a
ENSMUSG0ENSMUSG0	415.1339	-0.12479	0.125654	-0.9931	0.320662	0.751189	Elac1
ENSMUSG0ENSMUSG0	484.8741	0.278236	0.129216	2.153265	0.031298	0.283766	Rab8b
ENSMUSG0ENSMUSG0	116.7874	-0.38381	0.117515	-3.26606	0.001091	0.038969	Tmem71
ENSMUSG0ENSMUSG0	1384.005	-0.09012	0.079491	-1.13367	0.256932	0.702333	BC037034
ENSMUSG0ENSMUSG0	2518.043	-0.00675	0.073182	-0.09223	0.926513	0.985705	Kif1bp
ENSMUSG0ENSMUSG0	1288.982	0.07854	0.074735	1.050917	0.293297	0.733452	Lrfn3
ENSMUSG0ENSMUSG0	205.7298	-0.17977	0.123277	-1.45828	0.144764	0.574544	Bcorl1
ENSMUSG0ENSMUSG0	2353.151	0.136267	0.091529	1.488784	0.136544	0.563112	Spryd3
ENSMUSG0ENSMUSG0	575.5816	-0.07161	0.090867	-0.78813	0.430623	0.816125	Cnpy4
ENSMUSG0ENSMUSG0	427.6311	0.0766	0.089928	0.851796	0.394327	0.796246	Tmem177
ENSMUSG0ENSMUSG0	560.5994	0.112734	0.122034	0.923793	0.355594	0.774872	Anapc10
ENSMUSG0ENSMUSG0	2423.693	0.037867	0.05952	0.636202	0.524645	0.867774	Taf6
ENSMUSG0ENSMUSG0	310.0131	0.241086	0.115028	2.095892	0.036092	0.30677	Tfb1m
ENSMUSG0ENSMUSG0	370.7827	-0.1234	0.11207	-1.10106	0.270872	0.713936	Zdhhc9
ENSMUSG0ENSMUSG0	1187.983	0.016553	0.065443	0.252937	0.800317	0.956574	Pml
ENSMUSG0ENSMUSG0	1953.213	0.020368	0.083952	0.242614	0.808305	0.958353	Trim3
ENSMUSG0ENSMUSG0	2375.22	-0.00826	0.131964	-0.06262	0.950069	0.991323	Otud4
ENSMUSG0ENSMUSG0	533.8704	-0.07309	0.092727	-0.78824	0.430559	0.816125	Nxt1
ENSMUSG0ENSMUSG0	163.3772	0.024032	0.133215	0.180398	0.85684	0.971767	Asap3
ENSMUSG0ENSMUSG0	262.6524	-0.01583	0.109733	-0.14425	0.885306	0.977637	Zfp39

ENSMUSG0ENSMUSGC	598.2701	-0.09948	0.104763	-0.94961	0.342311	0.76529	Tns2
ENSMUSG0ENSMUSGC	543.4494	-0.16918	0.105135	-1.60913	0.107589	0.509437	Zfp113
ENSMUSG0ENSMUSGC	1542.587	0.217053	0.145925	1.487428	0.136902	0.563587	Hk1
ENSMUSG0ENSMUSGC	2072.634	-0.05681	0.05781	-0.98266	0.325777	0.754238	Ss18
ENSMUSG0ENSMUSGC	88.12404	-0.43549	0.138296	-3.14899	0.001638	0.050228	Frem2
ENSMUSG0ENSMUSGC	801.7959	-0.0678	0.07461	-0.90868	0.36352	0.781093	Zscan21
ENSMUSG0ENSMUSGC	1402.267	0.183139	0.117017	1.565058	0.117569	0.527358	Wdr62
ENSMUSG0ENSMUSGC	343.0662	-0.06495	0.124218	-0.52283	0.601093	0.89918	Mmaa
ENSMUSG0ENSMUSGC	2640.505	-0.07543	0.081484	-0.92567	0.354617	0.774327	Foxa2
ENSMUSG0ENSMUSGC	908.2491	-0.07075	0.104364	-0.67789	0.49784	0.853814	Zfp146
ENSMUSG0ENSMUSGC	2103.109	-0.07627	0.142103	-0.5367	0.591474	0.895697	Tspan15
ENSMUSG0ENSMUSGC	5984.85	0.279554	0.111475	2.507765	0.01215	0.170953	Apbb1
ENSMUSG0ENSMUSGC	4546.244	0.223447	0.077841	2.870564	0.004097	0.092735	Smpd1
ENSMUSG0ENSMUSGC	4947.81	0.034106	0.092768	0.367652	0.713133	0.935647	Paip2
ENSMUSG0ENSMUSGC	67.81487	0.04229	0.144385	0.2929	0.769599	0.949297	Cavin3
ENSMUSG0ENSMUSGC	4660.405	0.097569	0.075713	1.288677	0.197511	0.644561	Sh3glb1
ENSMUSG0ENSMUSGC	3924.386	0.09851	0.074933	1.314639	0.188631	0.635923	Rbmxl1
ENSMUSG0ENSMUSGC	4716.913	0.142288	0.124368	1.144088	0.252587	0.698438	Scd1
ENSMUSG0ENSMUSGC	9592.654	0.018962	0.078483	0.2416	0.80909	0.958353	Selenof
ENSMUSG0ENSMUSGC	1468.058	-0.00489	0.054765	-0.08936	0.928792	0.985705	Rnf139
ENSMUSG0ENSMUSGC	367.6922	-0.00803	0.087381	-0.09191	0.926771	0.985705	Trmt12
ENSMUSG0ENSMUSGC	3176.157	0.052607	0.078356	0.67139	0.501972	0.856225	Slc35b2
ENSMUSG0ENSMUSGC	360.1059	-0.0693	0.137147	-0.50533	0.613328	0.905485	Gm9762
ENSMUSG0ENSMUSGC	1671.593	-0.09292	0.063378	-1.46614	0.14261	0.572013	Rab11fip3
ENSMUSG0ENSMUSGC	2081.681	0.16518	0.075107	2.199267	0.027859	0.26733	Dcaf15
ENSMUSG0ENSMUSGC	684.0024	0.024614	0.116502	0.211276	0.832672	0.963973	Socs5
ENSMUSG0ENSMUSGC	2814.734	-0.0246	0.139574	-0.17623	0.860111	0.972518	Fer1l6
ENSMUSG0ENSMUSGC	446.7592	-0.05232	0.137087	-0.38164	0.702732	0.934077	Zcwpw1
ENSMUSG0ENSMUSGC	1665.657	0.034392	0.135708	0.253427	0.799938	0.956574	Ralgapa2
ENSMUSG0ENSMUSGC	2318.348	0.093127	0.104839	0.888287	0.374387	0.787458	Setd7
ENSMUSG0ENSMUSGC	348.4743	0.033815	0.106263	0.318217	0.75032	0.942407	Sik2
ENSMUSG0ENSMUSGC	5203.419	0.004232	0.092062	0.045964	0.963339	0.994289	Fam91a1
ENSMUSG0ENSMUSGC	4029.333	-0.01898	0.080021	-0.23715	0.812538	0.958721	Psd
ENSMUSG0ENSMUSGC	708.4703	0.008498	0.08606	0.098746	0.92134	0.985705	Prmt9
ENSMUSG0ENSMUSGC	79.77183	0.219087	0.125698	1.742972	0.081339	0.450985	Cfap61
ENSMUSG0ENSMUSGC	509.8356	-0.16028	0.107671	-1.48865	0.13658	0.563112	Arhgap10
ENSMUSG0ENSMUSGC	6264.733	0.102263	0.055454	1.844114	0.065167	0.411796	Ddx1
ENSMUSG0ENSMUSGC	548.3076	0.133589	0.089488	1.492822	0.135484	0.561163	Lrrc20
ENSMUSG0ENSMUSGC	2333.914	0.064365	0.118759	0.54198	0.587833	0.894311	Ndufc1
ENSMUSG0ENSMUSGC	471.7533	-0.01287	0.136252	-0.09443	0.924766	0.985705	Mgarp
ENSMUSG0ENSMUSGC	192.9687	-0.03169	0.143177	-0.22131	0.824853	0.962281	Ppp1r14a
ENSMUSG0ENSMUSGC	152.5039	-0.03688	0.115256	-0.32001	0.74896	0.942352	Mycn
ENSMUSG0ENSMUSGC	2948.463	-0.04222	0.100797	-0.41889	0.675296	0.927604	E330009J07
ENSMUSG0ENSMUSGC	1680.373	-0.09021	0.085108	-1.0599	0.289192	0.728677	Elf2
ENSMUSG0ENSMUSGC	90.66802	0.489359	0.132708	3.687487	0.000226	0.013824	Grhl3
ENSMUSG0ENSMUSGC	564.3653	-0.03809	0.116533	-0.32689	0.74375	0.940717	Cyb561d2
ENSMUSG0ENSMUSGC	379.5262	-0.12124	0.100505	-1.20628	0.227711	0.67701	Pacrg
ENSMUSG0ENSMUSGC	2429.823	0.034579	0.091573	0.377605	0.705724	0.934791	Rbm17
ENSMUSG0ENSMUSGC	796.2153	0.029675	0.098482	0.301319	0.763171	0.946679	Atg101
ENSMUSG0ENSMUSGC	1477.063	0.049927	0.079106	0.631139	0.52795	0.868933	Fam193a
ENSMUSG0ENSMUSGC	100.9261	-0.44958	0.145864	-3.0822	0.002055	0.057874	Spry1
ENSMUSG0ENSMUSGC	417.3951	0.099309	0.105025	0.945576	0.344365	0.766294	Thap1

ENSMUSG0ENSMUSGC	114.1956	-0.0978	0.123144	-0.79416	0.4271	0.81459	Lipt1
ENSMUSG0ENSMUSGC	6185.189	0.003381	0.090782	0.037248	0.970287	0.995539	Syn1
ENSMUSG0ENSMUSGC	1143.986	0.014972	0.071065	0.210685	0.833133	0.964281	Mospd3
ENSMUSG0ENSMUSGC	221.4255	-0.23154	0.128226	-1.80569	0.070967	0.425044	Zfyve28
ENSMUSG0ENSMUSGC	40.30707	-0.11249	0.145995	-0.77048	0.441012	0.821346	Fgf2
ENSMUSG0ENSMUSGC	1013.071	-0.00659	0.119598	-0.05512	0.956045	0.992734	Hook3
ENSMUSG0ENSMUSGC	1552.486	-0.36335	0.104721	-3.46969	0.000521	0.024269	Mxd4
ENSMUSG0ENSMUSGC	6744.62	0.095848	0.095922	0.999233	0.317682	0.750019	Matr3
ENSMUSG0ENSMUSGC	307.6043	0.055168	0.112042	0.492384	0.622448	0.907988	Spred3
ENSMUSG0ENSMUSGC	4833.408	0.050876	0.127548	0.398877	0.689984	0.931679	Clic4
ENSMUSG0ENSMUSGC	556.953	-0.14692	0.086137	-1.70564	0.088075	0.467741	Zfp692
ENSMUSG0ENSMUSGC	292.9338	-0.08059	0.099816	-0.80736	0.419459	0.81142	Pomk
ENSMUSG0ENSMUSGC	1578.813	-0.09745	0.116057	-0.8397	0.401076	0.79975	Mex3c
ENSMUSG0ENSMUSGC	1907.869	0.090406	0.065693	1.37619	0.168763	0.609423	Aagab
ENSMUSG0ENSMUSGC	741.5888	0.180117	0.108839	1.654893	0.097946	0.488889	Dzank1
ENSMUSG0ENSMUSGC	876.7977	0.053372	0.10956	0.487147	0.626154	0.90897	Hgsnat
ENSMUSG0ENSMUSGC	689.8346	0.049061	0.068756	0.713558	0.475501	0.842415	Kin
ENSMUSG0ENSMUSGC	10167.21	0.013273	0.109961	0.120704	0.903926	0.982298	Rsrp1
ENSMUSG0ENSMUSGC	2415.863	0.008394	0.081732	0.102706	0.918196	0.984843	4932438A1
ENSMUSG0ENSMUSGC	853.0485	-0.11204	0.079239	-1.41395	0.157377	0.596614	Gemin5
ENSMUSG0ENSMUSGC	2443.293	0.347417	0.133592	2.600584	0.009307	0.147219	Tmem97
ENSMUSG0ENSMUSGC	606.9894	-0.02768	0.140774	-0.19661	0.844135	0.967714	Ovol2
ENSMUSG0ENSMUSGC	2227.406	-0.0682	0.062765	-1.08654	0.277241	0.71903	Stag1
ENSMUSG0ENSMUSGC	1271.126	-0.18155	0.14105	-1.28715	0.198043	0.645235	Tbccl
ENSMUSG0ENSMUSGC	510.8042	-0.14771	0.136571	-1.08155	0.279451	0.721123	Ldlrap1
ENSMUSG0ENSMUSGC	417.1155	0.006102	0.11161	0.054675	0.956397	0.992868	Lsm1
ENSMUSG0ENSMUSGC	3352.878	0.011487	0.081695	0.140606	0.888181	0.978595	Ttc13
ENSMUSG0ENSMUSGC	1225.578	-0.20626	0.10819	-1.90644	0.056593	0.384778	Man1c1
ENSMUSG0ENSMUSGC	3527.652	0.089661	0.084914	1.055899	0.291015	0.730515	Tacc3
ENSMUSG0ENSMUSGC	1061.682	-0.06192	0.103387	-0.59893	0.549222	0.878374	Jade3
ENSMUSG0ENSMUSGC	654.6702	0.106857	0.098119	1.089046	0.276133	0.717892	Bag4
ENSMUSG0ENSMUSGC	239.6187	0.135521	0.132626	1.021832	0.306861	0.743081	Tap1
ENSMUSG0ENSMUSGC	807.7759	-0.0201	0.076827	-0.26165	0.793591	0.955329	Bbs7
ENSMUSG0ENSMUSGC	1312.33	-0.15361	0.096196	-1.59685	0.110299	0.514156	Capn15
ENSMUSG0ENSMUSGC	5871.247	0.083021	0.070674	1.174715	0.240109	0.688236	Larp1
ENSMUSG0ENSMUSGC	40.92662	0.055647	0.145968	0.381228	0.703034	0.934077	Mfsd2b
ENSMUSG0ENSMUSGC	103.8974	-0.139	0.133699	-1.03967	0.298491	0.736966	Map4k1
ENSMUSG0ENSMUSGC	751.0878	-0.0217	0.082577	-0.26281	0.792696	0.955108	Fam53a
ENSMUSG0ENSMUSGC	848.7034	0.224535	0.131911	1.702171	0.088723	0.469317	Slc9a7
ENSMUSG0ENSMUSGC	1402.953	-0.04984	0.085571	-0.58239	0.560306	0.883939	Taf2
ENSMUSG0ENSMUSGC	777.886	-0.08867	0.082786	-1.07103	0.284158	0.725105	Slc12a9
ENSMUSG0ENSMUSGC	259.5059	-0.1109	0.115629	-0.95911	0.337501	0.760159	Paqr7
ENSMUSG0ENSMUSGC	641.4969	0.256382	0.118457	2.164346	0.030438	0.279438	Nudt22
ENSMUSG0ENSMUSGC	5958.617	0.004883	0.060024	0.081351	0.935163	0.986686	Actr1b
ENSMUSG0ENSMUSGC	1381.012	0.141531	0.058431	2.422192	0.015427	0.194359	Letmd1
ENSMUSG0ENSMUSGC	472.2803	-0.05927	0.118471	-0.50026	0.616893	0.906852	Uvssa
ENSMUSG0ENSMUSGC	2800.74	0.0824	0.097392	0.846064	0.397517	0.798319	Sf3b6
ENSMUSG0ENSMUSGC	52.0208	-0.42704	0.145594	-2.93313	0.003356	0.081304	Nov
ENSMUSG0ENSMUSGC	187.534	0.080785	0.116723	0.692106	0.488871	0.850627	Letm2
ENSMUSG0ENSMUSGC	5973.23	0.179234	0.050493	3.549673	0.000386	0.020061	Srrt
ENSMUSG0ENSMUSGC	585.8863	0.141982	0.098738	1.437978	0.15044	0.583809	Pafah2
ENSMUSG0ENSMUSGC	791.8641	0.01005	0.103187	0.097399	0.92241	0.985705	Kdm6a

ENSMUSG0ENSMUSGC	92.74018	-0.3939	0.145226	-2.71234	0.006681	0.123009	Enpp1
ENSMUSG0ENSMUSGC	8497.629	-0.23845	0.058978	-4.04305	5.28E-05	0.00511	Ctbp1
ENSMUSG0ENSMUSGC	289.302	0.126471	0.123493	1.024118	0.30578	0.741542	Hhat
ENSMUSG0ENSMUSGC	1833.568	1.12E-05	0.068788	0.000163	0.99987	0.99987	Trmt6
ENSMUSG0ENSMUSGC	96.42606	-0.70359	0.137565	-5.11461	3.14E-07	0.000124	Spon2
ENSMUSG0ENSMUSGC	716.8041	-0.06511	0.127409	-0.51101	0.609345	0.903796	Rims2
ENSMUSG0ENSMUSGC	588.7691	0.021451	0.122387	0.17527	0.860868	0.972797	Rcor3
ENSMUSG0ENSMUSGC	2775.917	0.023756	0.070251	0.33816	0.735242	0.938791	Atp11b
ENSMUSG0ENSMUSGC	73.06802	-0.10309	0.144878	-0.71159	0.47672	0.843045	Icam1
ENSMUSG0ENSMUSGC	178.5558	0.111244	0.142115	0.782778	0.433758	0.817251	Htra4
ENSMUSG0ENSMUSGC	759.0917	0.398656	0.088479	4.505675	6.62E-06	0.001211	Cnnm4
ENSMUSG0ENSMUSGC	298.8312	-0.04861	0.108686	-0.44728	0.654671	0.919908	Tbc1d2b
ENSMUSG0ENSMUSGC	1378.719	-0.00617	0.115421	-0.05346	0.957366	0.993011	Ranbp10
ENSMUSG0ENSMUSGC	1281.78	-0.04149	0.129204	-0.32108	0.748149	0.94212	Dmxl1
ENSMUSG0ENSMUSGC	735.5425	-0.05666	0.100967	-0.56119	0.574668	0.890536	Endod1
ENSMUSG0ENSMUSGC	1433.856	0.046286	0.108322	0.427298	0.669162	0.925142	Depdc5
ENSMUSG0ENSMUSGC	8738.83	-0.2137	0.113894	-1.87629	0.060615	0.396828	Vgf
ENSMUSG0ENSMUSGC	228.4341	0.170533	0.114056	1.495178	0.134868	0.560073	Fer1l5
ENSMUSG0ENSMUSGC	189.7676	0.155556	0.141783	1.097146	0.272578	0.715515	Slc30a1
ENSMUSG0ENSMUSGC	382.9973	0.252395	0.134071	1.882548	0.059762	0.394292	Adam32
ENSMUSG0ENSMUSGC	1694.661	-0.02753	0.102544	-0.26843	0.788372	0.954285	Cep85
ENSMUSG0ENSMUSGC	433.1639	-0.07033	0.1242	-0.56627	0.571209	0.889451	Arid5a
ENSMUSG0ENSMUSGC	199.3087	0.062694	0.117639	0.532933	0.59408	0.8963	Slc18b1
ENSMUSG0ENSMUSGC	5002.92	0.135751	0.096115	1.412388	0.157836	0.596629	Azin1
ENSMUSG0ENSMUSGC	1411.971	-0.00688	0.069234	-0.09937	0.920846	0.985705	Ints7
ENSMUSG0ENSMUSGC	405.2997	0.076302	0.137892	0.55335	0.580023	0.892779	Fbxo27
ENSMUSG0ENSMUSGC	697.8991	-0.15351	0.117228	-1.30949	0.190368	0.637983	Klf10
ENSMUSG0ENSMUSGC	2030.321	0.039514	0.111215	0.355296	0.722368	0.937668	Tedc1
ENSMUSG0ENSMUSGC	10391.83	0.095762	0.09842	0.972996	0.330555	0.757116	Uggt1
ENSMUSG0ENSMUSGC	1311.269	0.203676	0.093637	2.17517	0.029617	0.27564	Dtl
ENSMUSG0ENSMUSGC	1390.482	-0.02417	0.117795	-0.20515	0.837456	0.965548	Thoc2
ENSMUSG0ENSMUSGC	1401.545	-0.11651	0.124226	-0.9379	0.348298	0.770174	Asxl2
ENSMUSG0ENSMUSGC	4569.464	0.020282	0.094787	0.213971	0.830569	0.963218	Ubr5
ENSMUSG0ENSMUSGC	1467.077	0.133769	0.113591	1.177636	0.238942	0.687957	Cib2
ENSMUSG0ENSMUSGC	1110.828	-0.03017	0.136987	-0.22023	0.825695	0.962521	Nenf
ENSMUSG0ENSMUSGC	3093.068	0.032631	0.085525	0.381537	0.702805	0.934077	Fam168b
ENSMUSG0ENSMUSGC	75.4744	0.29797	0.143388	2.078064	0.037703	0.314792	Arhgef4
ENSMUSG0ENSMUSGC	1512.348	-0.03312	0.090141	-0.36739	0.713329	0.935647	Pank2
ENSMUSG0ENSMUSGC	2665.569	-0.02158	0.058907	-0.3663	0.714139	0.935647	Ppfia1
ENSMUSG0ENSMUSGC	372.9356	0.164777	0.087952	1.873488	0.061001	0.397756	Mavs
ENSMUSG0ENSMUSGC	280.0477	-0.05356	0.109472	-0.4893	0.624632	0.908091	Bcdin3d
ENSMUSG0ENSMUSGC	366.4371	-0.01114	0.109886	-0.10136	0.919267	0.985629	Atg14
ENSMUSG0ENSMUSGC	708.5643	0.06242	0.101305	0.616154	0.537793	0.873684	Mrpl47
ENSMUSG0ENSMUSGC	996.7862	0.021633	0.107041	0.202102	0.839837	0.966267	Rapgef6
ENSMUSG0ENSMUSGC	915.2447	-0.01036	0.077597	-0.13355	0.89376	0.979634	Fbxo34
ENSMUSG0ENSMUSGC	386.2136	-0.04707	0.145974	-0.32247	0.747095	0.941759	Shank2
ENSMUSG0ENSMUSGC	2306.33	0.103573	0.065309	1.585896	0.112763	0.518563	Dlgap5
ENSMUSG0ENSMUSGC	559.0765	-0.1238	0.105921	-1.16879	0.24249	0.689768	Plekhg2
ENSMUSG0ENSMUSGC	1456.164	-0.0922	0.111694	-0.82546	0.409109	0.803007	Zdhhc18
ENSMUSG0ENSMUSGC	7466.79	0.138341	0.114182	1.211575	0.225675	0.675195	Rps16
ENSMUSG0ENSMUSGC	52.11482	-0.40844	0.136298	-2.9967	0.002729	0.071252	Vash2
ENSMUSG0ENSMUSGC	2442.9	-0.04427	0.11329	-0.39074	0.69599	0.933215	Mcrs1

ENSMUSG0ENSMUSG0	2704.567	0.077199	0.07891	0.978317	0.327918	0.754804	Wdhd1
ENSMUSG0ENSMUSG0	1408.73	-0.1543	0.098967	-1.55915	0.118962	0.529565	Tob1
ENSMUSG0ENSMUSG0	61.27475	-0.18008	0.144581	-1.2455	0.212948	0.662162	Kcnh3
ENSMUSG0ENSMUSG0	1873.635	-0.14343	0.091421	-1.56888	0.116675	0.526038	Gch1
ENSMUSG0ENSMUSG0	438.9596	-0.08899	0.106382	-0.83656	0.402841	0.799981	BC022687
ENSMUSG0ENSMUSG0	879.7813	-0.00659	0.074463	-0.08851	0.929475	0.985827	Kdf1
ENSMUSG0ENSMUSG0	4598.354	0.180955	0.085866	2.107416	0.035082	0.303099	Nme1
ENSMUSG0ENSMUSG0	249.9768	-0.12763	0.145501	-0.8772	0.380379	0.79028	Adgrl3
ENSMUSG0ENSMUSG0	1872.692	0.103875	0.107009	0.970709	0.331693	0.757646	Osbpl5
ENSMUSG0ENSMUSG0	3995.3	0.090821	0.069922	1.298889	0.193982	0.639447	Bclaf1
ENSMUSG0ENSMUSG0	814.1512	-0.28205	0.103592	-2.72271	0.006475	0.120621	Kcnmb2
ENSMUSG0ENSMUSG0	1629.847	-0.07802	0.128179	-0.60871	0.542719	0.875214	Tnfrsf23
ENSMUSG0ENSMUSG0	717.9168	0.330089	0.116675	2.82914	0.004667	0.099981	Spag1
ENSMUSG0ENSMUSG0	689.8806	0.078069	0.120069	0.650199	0.515563	0.862952	Atoh8
ENSMUSG0ENSMUSG0	1876.806	-0.09899	0.063139	-1.56786	0.116914	0.526066	Wdtdc1
ENSMUSG0ENSMUSG0	460.5238	0.438918	0.127636	3.438832	0.000584	0.026206	Cldn11
ENSMUSG0ENSMUSG0	841.448	0.109916	0.10498	1.047019	0.295091	0.734266	Cdkn3
ENSMUSG0ENSMUSG0	196.2654	-0.15588	0.128532	-1.21277	0.225218	0.674997	Zbtb42
ENSMUSG0ENSMUSG0	931.4181	-0.01886	0.078216	-0.24115	0.809443	0.958353	Zfp60
ENSMUSG0ENSMUSG0	1195.298	0.0644	0.089796	0.717178	0.473264	0.8419	Prkci
ENSMUSG0ENSMUSG0	1792.969	-0.11085	0.109921	-1.00841	0.31326	0.746673	Vps13b
ENSMUSG0ENSMUSG0	154.3015	-0.11072	0.117272	-0.94409	0.345121	0.766573	H2-DMA
ENSMUSG0ENSMUSG0	850.5538	-0.09305	0.091616	-1.01567	0.309785	0.743963	Phc3
ENSMUSG0ENSMUSG0	80.72001	0.239185	0.138137	1.731503	0.083362	0.455933	Kctd8
ENSMUSG0ENSMUSG0	738.1501	-0.14059	0.108151	-1.29994	0.193622	0.639447	Slc20a2
ENSMUSG0ENSMUSG0	131.664	0.122837	0.139534	0.880336	0.378677	0.789109	Gpr160
ENSMUSG0ENSMUSG0	130.3735	0.087151	0.143791	0.606097	0.54445	0.875351	Cdkn1c
ENSMUSG0ENSMUSG0	1015.663	-0.00449	0.068893	-0.06523	0.947989	0.990911	Ldah
ENSMUSG0ENSMUSG0	995.7374	-0.00674	0.09782	-0.06895	0.945033	0.9896	Rfx7
ENSMUSG0ENSMUSG0	354.556	-0.1284	0.091123	-1.40903	0.158826	0.59683	Inf2
ENSMUSG0ENSMUSG0	102.0501	-0.14231	0.142893	-0.99595	0.319276	0.750368	Esyt3
ENSMUSG0ENSMUSG0	1638.809	0.123377	0.087929	1.403145	0.160574	0.599382	Atp8a1
ENSMUSG0ENSMUSG0	497.7274	0.026529	0.118798	0.223314	0.823291	0.961633	Ahdcl
ENSMUSG0ENSMUSG0	1035.175	-0.26562	0.104286	-2.54707	0.010863	0.161521	Ddhd1
ENSMUSG0ENSMUSG0	1049.764	-0.02517	0.068068	-0.36977	0.711556	0.935647	Lzts3
ENSMUSG0ENSMUSG0	1997.22	-0.19399	0.098009	-1.97936	0.047776	0.351856	Cd81
ENSMUSG0ENSMUSG0	81.39252	0.029926	0.141137	0.212035	0.83208	0.96373	Fam13a
ENSMUSG0ENSMUSG0	5055.133	0.135751	0.104666	1.296991	0.194634	0.640278	Cisd1
ENSMUSG0ENSMUSG0	2042.757	0.056006	0.089684	0.624482	0.532311	0.871238	Fermt2
ENSMUSG0ENSMUSG0	41.80978	-0.22703	0.143291	-1.58439	0.113104	0.518563	Ccdc33
ENSMUSG0ENSMUSG0	2032.248	0.034076	0.103194	0.330214	0.741238	0.94054	Tmem33
ENSMUSG0ENSMUSG0	1219.298	0.075315	0.08492	0.886888	0.375139	0.787458	Gnpnat1
ENSMUSG0ENSMUSG0	2465.39	0.011657	0.07471	0.156027	0.876012	0.97593	Ckap2
ENSMUSG0ENSMUSG0	1089.44	0.053386	0.1113	0.479655	0.631473	0.911457	Mynn
ENSMUSG0ENSMUSG0	172.6864	0.153152	0.115295	1.328344	0.184064	0.631891	Actrt3
ENSMUSG0ENSMUSG0	1280.692	-0.08555	0.109546	-0.78095	0.434833	0.81783	Mrps26
ENSMUSG0ENSMUSG0	158159	0.144287	0.091993	1.568462	0.116773	0.526038	Eef1a1
ENSMUSG0ENSMUSG0	1672.921	-0.10998	0.067537	-1.62839	0.103441	0.499892	Phyhipl
ENSMUSG0ENSMUSG0	947.3981	-0.04642	0.075266	-0.61674	0.537404	0.87326	Fam222b
ENSMUSG0ENSMUSG0	126.9967	0.031896	0.141621	0.225218	0.82181	0.961018	Xkr8
ENSMUSG0ENSMUSG0	58.72543	0.247722	0.141926	1.745428	0.08091	0.450074	Ppp1r16b
ENSMUSG0ENSMUSG0	507.4478	-0.03573	0.089955	-0.39716	0.691249	0.931679	Actr5

ENSMUSG0ENSMUSGC	57.58599	0.001746	0.073422	0.023777	0.981031	0.99722	Slc16a9
ENSMUSG0ENSMUSGC	94.66827	-0.22563	0.145972	-1.54573	0.122169	0.535362	Mrpl23
ENSMUSG0ENSMUSGC	914.3946	-0.15846	0.078246	-2.02511	0.042856	0.33403	Pced1a
ENSMUSG0ENSMUSGC	281.3721	-0.18883	0.111092	-1.69979	0.08917	0.470378	Dzip1l
ENSMUSG0ENSMUSGC	906.2605	-0.01722	0.112589	-0.15294	0.878448	0.976224	Apopt1
ENSMUSG0ENSMUSGC	862.2379	-0.24246	0.077914	-3.11186	0.001859	0.054142	Vopp1
ENSMUSG0ENSMUSGC	2056.287	-0.14849	0.094709	-1.56781	0.116926	0.526066	Phf12
ENSMUSG0ENSMUSGC	534.5901	0.251114	0.131754	1.905924	0.05666	0.384967	N4bp2
ENSMUSG0ENSMUSGC	1029.899	0.104974	0.132998	0.789285	0.429946	0.815671	Mat1a
ENSMUSG0ENSMUSGC	5639.518	0.167001	0.100813	1.656535	0.097614	0.487958	Rpl10a
ENSMUSG0ENSMUSGC	1247.865	-0.0275	0.110881	-0.24799	0.804141	0.957462	Fam76b
ENSMUSG0ENSMUSGC	122.9101	-0.01051	0.137316	-0.07653	0.938998	0.987897	D630003M
ENSMUSG0ENSMUSGC	5717.925	-0.02297	0.057197	-0.40159	0.687988	0.931275	Ctnna1
ENSMUSG0ENSMUSGC	389.4266	-0.06036	0.104626	-0.57688	0.564019	0.885572	Fbxw17
ENSMUSG0ENSMUSGC	392.1798	0.056632	0.0894	0.633466	0.526429	0.868304	Abhd18
ENSMUSG0ENSMUSGC	51.23871	-0.12301	0.133957	-0.91827	0.358475	0.77636	Tgm2
ENSMUSG0ENSMUSGC	5052.941	0.01401	0.108858	0.128695	0.897599	0.980486	Smim14
ENSMUSG0ENSMUSGC	1392.155	0.072895	0.100572	0.724802	0.468574	0.839039	Tspan14
ENSMUSG0ENSMUSGC	285.3757	-0.29022	0.117587	-2.46813	0.013582	0.181916	Ppm1k
ENSMUSG0ENSMUSGC	4957.64	-0.01478	0.125828	-0.11747	0.906491	0.982338	Vstm2l
ENSMUSG0ENSMUSGC	242.0703	-0.03094	0.119056	-0.25991	0.794932	0.955451	Fdxacb1
ENSMUSG0ENSMUSGC	621.5095	0.32719	0.12108	2.702262	0.006887	0.124571	Rtkn2
ENSMUSG0ENSMUSGC	189.1211	-0.06643	0.100228	-0.66282	0.507443	0.85875	Nmrk1
ENSMUSG0ENSMUSGC	4042.572	0.177424	0.141115	1.257298	0.208646	0.656691	Iars
ENSMUSG0ENSMUSGC	142820.2	0.044782	0.087662	0.510849	0.609457	0.903796	Cpe
ENSMUSG0ENSMUSGC	705.9535	0.094548	0.140892	0.671063	0.50218	0.856225	Zfp365
ENSMUSG0ENSMUSGC	1100.338	0.165603	0.099367	1.666582	0.095598	0.485939	Nufip2
ENSMUSG0ENSMUSGC	37.10705	-0.0235	0.14599	-0.16096	0.872124	0.975692	Ackr1
ENSMUSG0ENSMUSGC	1144.331	-0.12608	0.130766	-0.96418	0.334955	0.759008	Jmjd1c
ENSMUSG0ENSMUSGC	7427.92	-0.13116	0.105767	-1.24009	0.214943	0.665774	Stk35
ENSMUSG0ENSMUSGC	2418.259	-0.02754	0.12102	-0.22758	0.819976	0.960195	Dusp8
ENSMUSG0ENSMUSGC	435.6619	0.107602	0.094785	1.135225	0.256281	0.702061	Wdr19
ENSMUSG0ENSMUSGC	23508.43	-0.04385	0.09487	-0.46218	0.643951	0.91498	H2afz
ENSMUSG0ENSMUSGC	1706.452	-0.0282	0.118894	-0.23717	0.812525	0.958721	Rcor1
ENSMUSG0ENSMUSGC	7003.681	0.040875	0.082188	0.497331	0.618956	0.907335	Sirpa
ENSMUSG0ENSMUSGC	176.974	0.096061	0.129024	0.744518	0.456563	0.830663	Ankrd9
ENSMUSG0ENSMUSGC	1176.362	0.054878	0.101902	0.538537	0.590207	0.895584	Bri3bp
ENSMUSG0ENSMUSGC	436.2954	-0.15513	0.134613	-1.1524	0.249157	0.696015	Ankrd13b
ENSMUSG0ENSMUSGC	4656.166	0.063078	0.082061	0.768675	0.442086	0.822001	Ndufv1
ENSMUSG0ENSMUSGC	1152.318	0.176191	0.093319	1.888046	0.05902	0.391852	Ssh2
ENSMUSG0ENSMUSGC	1870.737	0.049178	0.098544	0.499044	0.617749	0.907013	Bicd2
ENSMUSG0ENSMUSGC	2948.473	-0.00989	0.068394	-0.14456	0.885061	0.977581	Smarce1
ENSMUSG0ENSMUSGC	1628.983	-0.39262	0.08573	-4.57976	4.65E-06	0.000957	Scarb1
ENSMUSG0ENSMUSGC	326.0243	-0.11499	0.095478	-1.20436	0.228451	0.678002	Chchd5
ENSMUSG0ENSMUSGC	190.4685	-0.36093	0.121818	-2.96288	0.003048	0.076179	Inpp4b
ENSMUSG0ENSMUSGC	196.8737	0.10241	0.141515	0.723666	0.469271	0.839515	Crp
ENSMUSG0ENSMUSGC	929.1829	0.102296	0.095282	1.073606	0.282999	0.72399	Ano10
ENSMUSG0ENSMUSGC	708.5851	0.014501	0.0766	0.189307	0.849852	0.969399	Wdr20
ENSMUSG0ENSMUSGC	659.171	-0.1072	0.078628	-1.36344	0.172745	0.614658	Nsrp1
ENSMUSG0ENSMUSGC	1265.962	0.117325	0.109049	1.075886	0.281978	0.723039	Card19
ENSMUSG0ENSMUSGC	3686.628	-0.05752	0.142503	-0.40367	0.686452	0.931173	Rflna
ENSMUSG0ENSMUSGC	2530.234	-0.0243	0.093213	-0.26074	0.79429	0.955378	Zc3h7a

ENSMUSG0ENSMUSG0	2382.035	-0.06533	0.14152	-0.46164	0.644342	0.915153	Ninj1
ENSMUSG0ENSMUSG0	583.1407	-0.22534	0.108999	-2.06736	0.0387	0.320116	1110032A0
ENSMUSG0ENSMUSG0	701.6553	0.097552	0.097677	0.998728	0.317927	0.75003	Snn
ENSMUSG0ENSMUSG0	61.13781	-0.01313	0.136754	-0.09603	0.923501	0.985705	6430571L1
ENSMUSG0ENSMUSG0	2583.208	-0.08857	0.070585	-1.25483	0.209539	0.658417	Ccdc92
ENSMUSG0ENSMUSG0	578.3535	-0.11881	0.088834	-1.33741	0.181088	0.626594	Wnk2
ENSMUSG0ENSMUSG0	515.7022	-0.14813	0.105588	-1.40289	0.160649	0.599496	Rmi2
ENSMUSG0ENSMUSG0	176.4575	-0.23701	0.130595	-1.81486	0.069546	0.422361	Rara
ENSMUSG0ENSMUSG0	1756.015	-0.01973	0.106276	-0.18564	0.852727	0.9698	Dhx38
ENSMUSG0ENSMUSG0	300.4721	-0.19418	0.138314	-1.40393	0.16034	0.599011	Igsf9
ENSMUSG0ENSMUSG0	3053.392	-0.06859	0.100869	-0.68003	0.496488	0.853814	Slc24a2
ENSMUSG0ENSMUSG0	563.9944	-0.04792	0.117668	-0.40727	0.683807	0.93061	Parp11
ENSMUSG0ENSMUSG0	448.6158	-0.1159	0.087402	-1.32607	0.184815	0.631891	Arap2
ENSMUSG0ENSMUSG0	3261.072	0.05813	0.116413	0.499346	0.617536	0.907005	Acd
ENSMUSG0ENSMUSG0	1029.554	-0.06818	0.109425	-0.62305	0.533251	0.871779	Cramp1l
ENSMUSG0ENSMUSG0	2684.759	0.090297	0.085633	1.054471	0.291667	0.731528	Hpf1
ENSMUSG0ENSMUSG0	821.9194	-0.0598	0.105272	-0.56807	0.56999	0.888936	Acer2
ENSMUSG0ENSMUSG0	279.0247	-0.17627	0.145507	-1.21141	0.225738	0.675195	Dnajc22
ENSMUSG0ENSMUSG0	202.2385	0.102065	0.101871	1.001902	0.316391	0.749216	Ccdc138
ENSMUSG0ENSMUSG0	44.32269	0.270258	0.145725	1.854572	0.063657	0.406021	Dnah10
ENSMUSG0ENSMUSG0	871.3211	-0.17397	0.075703	-2.29811	0.021556	0.233686	Wipf2
ENSMUSG0ENSMUSG0	8248.604	0.13676	0.08571	1.595605	0.110577	0.514156	Fam120a
ENSMUSG0ENSMUSG0	87.77808	-0.01719	0.140175	-0.12264	0.902391	0.981785	Rapgef1l
ENSMUSG0ENSMUSG0	248.4885	0.057055	0.118991	0.479492	0.631589	0.911457	Mindy4
ENSMUSG0ENSMUSG0	2231.555	0.064988	0.065286	0.995434	0.319525	0.750368	Atp6v0a2
ENSMUSG0ENSMUSG0	4034.76	0.00497	0.131465	0.037807	0.969842	0.995539	Dennd4c
ENSMUSG0ENSMUSG0	2033.087	-0.24521	0.104681	-2.34243	0.019158	0.218112	Phf2
ENSMUSG0ENSMUSG0	2093.48	0.090506	0.074525	1.214445	0.224578	0.674591	Tigar
ENSMUSG0ENSMUSG0	3472.276	0.127297	0.129448	0.98338	0.32542	0.754238	Igsf8
ENSMUSG0ENSMUSG0	50.26864	0.253425	0.145595	1.740617	0.081751	0.451741	Socs1
ENSMUSG0ENSMUSG0	859.6426	-0.09445	0.071503	-1.32091	0.18653	0.632742	Gcc2
ENSMUSG0ENSMUSG0	1168.906	-0.11238	0.081559	-1.37792	0.168228	0.60858	Ptpdc1
ENSMUSG0ENSMUSG0	369.0567	0.320592	0.091943	3.486853	0.000489	0.023585	Mrm3
ENSMUSG0ENSMUSG0	1265.858	0.081487	0.094794	0.859619	0.389999	0.794806	Haus6
ENSMUSG0ENSMUSG0	522.7628	-0.1222	0.126393	-0.96684	0.333626	0.758949	Dexi
ENSMUSG0ENSMUSG0	1568.897	-0.07338	0.120842	-0.60726	0.543677	0.875214	Kmt2c
ENSMUSG0ENSMUSG0	103.7609	-0.23314	0.133089	-1.75175	0.079816	0.44686	Nod1
ENSMUSG0ENSMUSG0	100.5363	0.104518	0.136207	0.76735	0.442873	0.822532	Smim3
ENSMUSG0ENSMUSG0	554.9902	-0.12791	0.137638	-0.92932	0.352725	0.773559	Mturn
ENSMUSG0ENSMUSG0	744.9076	-0.07088	0.128988	-0.54948	0.582677	0.892926	Cdkn2aip
ENSMUSG0ENSMUSG0	1084.28	-0.08516	0.142615	-0.59717	0.550397	0.879307	Cntln
ENSMUSG0ENSMUSG0	875.1219	-0.21528	0.073848	-2.91515	0.003555	0.084334	Galnt11
ENSMUSG0ENSMUSG0	523.6108	0.175956	0.126461	1.391387	0.164108	0.603036	Fkbp14
ENSMUSG0ENSMUSG0	1003.49	-0.02375	0.098537	-0.241	0.809552	0.958353	Tmem237
ENSMUSG0ENSMUSG0	519.0547	-0.03251	0.126954	-0.2561	0.797873	0.956402	Kdm1b
ENSMUSG0ENSMUSG0	2376.583	0.040145	0.089278	0.44966	0.652955	0.919812	Opa1
ENSMUSG0ENSMUSG0	204.8448	-0.11291	0.111481	-1.01281	0.311149	0.745298	Cnbd2
ENSMUSG0ENSMUSG0	3028.601	-0.00208	0.110068	-0.0189	0.984924	0.997439	Sbno1
ENSMUSG0ENSMUSG0	3371.553	0.034794	0.091343	0.380916	0.703266	0.934077	Trappc11
ENSMUSG0ENSMUSG0	458.3139	0.046186	0.125347	0.368464	0.712527	0.935647	AW551984
ENSMUSG0ENSMUSG0	2256.263	0.12613	0.095251	1.324186	0.185441	0.631891	Phf20
ENSMUSG0ENSMUSG0	714.0764	0.207595	0.095578	2.171983	0.029857	0.277107	Cdon

ENSMUSG0ENSMUSGC	1007.186	-0.10136	0.112816	-0.89848	0.368929	0.784642	Fam210a
ENSMUSG0ENSMUSGC	367.739	-0.05475	0.122445	-0.44715	0.654764	0.919908	Tbc1d32
ENSMUSG0ENSMUSGC	1564.391	-0.14258	0.110126	-1.29472	0.195418	0.641176	Mphosph9
ENSMUSG0ENSMUSGC	2370.873	-0.2496	0.08376	-2.98001	0.002882	0.073436	Ccdc50
ENSMUSG0ENSMUSGC	609.4399	0.040915	0.131095	0.312103	0.754962	0.944374	Camk4
ENSMUSG0ENSMUSGC	4426.102	-0.0923	0.049245	-1.87424	0.060897	0.39727	Tmem181a
ENSMUSG0ENSMUSGC	883.0212	-0.00215	0.082978	-0.02594	0.979302	0.996602	Snrk
ENSMUSG0ENSMUSGC	2481.856	-0.03681	0.119012	-0.30934	0.757065	0.945085	Ormdl3
ENSMUSG0ENSMUSGC	81.5501	0.046416	0.134879	0.344133	0.730747	0.938791	Prdm1
ENSMUSG0ENSMUSGC	156.7177	-0.18763	0.133956	-1.4007	0.161304	0.600918	5033430115
ENSMUSG0ENSMUSGC	1244.953	-0.05883	0.075461	-0.77963	0.43561	0.818186	Atg5
ENSMUSG0ENSMUSGC	2227.183	0.119	0.123727	0.961791	0.336155	0.759654	Plekhg6
ENSMUSG0ENSMUSGC	152.6832	-0.01755	0.145565	-0.12057	0.904032	0.982298	P3h2
ENSMUSG0ENSMUSGC	4380.727	0.020101	0.087064	0.230877	0.817411	0.959822	Pde4dip
ENSMUSG0ENSMUSGC	1743.543	0.371626	0.107644	3.452378	0.000556	0.025609	Ttc39b
ENSMUSG0ENSMUSGC	793.2633	0.028804	0.103711	0.277731	0.781219	0.951572	Fam126b
ENSMUSG0ENSMUSGC	789.2151	-0.09896	0.084005	-1.17804	0.238782	0.687957	Mylip
ENSMUSG0ENSMUSGC	5026.479	-0.0545	0.134837	-0.40419	0.686071	0.931173	Slc43a2
ENSMUSG0ENSMUSGC	83.06052	-0.03035	0.141808	-0.214	0.830549	0.963218	Spag4
ENSMUSG0ENSMUSGC	1357.542	-0.05633	0.097822	-0.57585	0.564716	0.885981	Chpf2
ENSMUSG0ENSMUSGC	1399.431	0.222476	0.063988	3.476857	0.000507	0.023878	Btbd10
ENSMUSG0ENSMUSGC	85.3011	0.006488	0.134488	0.048242	0.961523	0.994289	Scarf1
ENSMUSG0ENSMUSGC	40.56798	-0.02443	0.116743	-0.20928	0.834228	0.964464	Cer1
ENSMUSG0ENSMUSGC	1082.72	0.102201	0.094119	1.085867	0.277538	0.719241	Prkab2
ENSMUSG0ENSMUSGC	1236.798	-0.03755	0.103611	-0.36239	0.717058	0.93599	Fbxo8
ENSMUSG0ENSMUSGC	641.0442	-0.51817	0.103958	-4.98443	6.21E-07	0.000208	Pgap3
ENSMUSG0ENSMUSGC	1736.464	-0.05671	0.091347	-0.62084	0.534704	0.87213	Mfsd14b
ENSMUSG0ENSMUSGC	1252.356	0.105519	0.116771	0.903637	0.366188	0.782891	Tapbpl
ENSMUSG0ENSMUSGC	410.0539	-0.09782	0.113997	-0.85805	0.390864	0.794949	Bend3
ENSMUSG0ENSMUSGC	519.6484	-0.03086	0.134309	-0.22976	0.818275	0.959879	Cep44
ENSMUSG0ENSMUSGC	650.061	0.107099	0.103731	1.032473	0.301851	0.739759	Primpol
ENSMUSG0ENSMUSGC	2330.531	-0.18233	0.090473	-2.01528	0.043876	0.337833	F11r
ENSMUSG0ENSMUSGC	379.3429	0.126315	0.11418	1.10628	0.268605	0.711911	Pdss2
ENSMUSG0ENSMUSGC	1589.381	0.016654	0.084302	0.197551	0.843396	0.967288	Cep250
ENSMUSG0ENSMUSGC	1602.155	-0.07788	0.100579	-0.77436	0.438717	0.819958	Mical2
ENSMUSG0ENSMUSGC	786.6391	0.066199	0.120702	0.548449	0.583384	0.892957	Sobp
ENSMUSG0ENSMUSGC	1593.397	-0.02199	0.102858	-0.21383	0.830681	0.963218	Usp38
ENSMUSG0ENSMUSGC	8462.731	0.041244	0.084407	0.488634	0.625101	0.908091	Ncapd2
ENSMUSG0ENSMUSGC	1407.599	-0.11604	0.117772	-0.98533	0.32446	0.754061	Bcl9
ENSMUSG0ENSMUSGC	674.2634	-0.01174	0.127556	-0.09202	0.926679	0.985705	Trpm4
ENSMUSG0ENSMUSGC	2344.257	-0.02696	0.129939	-0.2075	0.835621	0.965089	Slc22a23
ENSMUSG0ENSMUSGC	1745.565	-0.13789	0.099432	-1.38679	0.165505	0.60495	Ovca2
ENSMUSG0ENSMUSGC	1054.192	0.016514	0.077717	0.212491	0.831724	0.963529	Iffo1
ENSMUSG0ENSMUSGC	2441.192	0.045367	0.105227	0.431137	0.666368	0.925067	Fau
ENSMUSG0ENSMUSGC	1559.012	0.136322	0.078388	1.739064	0.082024	0.452501	Nop2
ENSMUSG0ENSMUSGC	1790.557	-0.26307	0.077391	-3.3992	0.000676	0.028955	Ostm1
ENSMUSG0ENSMUSGC	254.8931	-0.1435	0.145342	-0.9873	0.323496	0.752685	Bphl
ENSMUSG0ENSMUSGC	882.6578	-0.10941	0.086093	-1.27079	0.203805	0.652048	Smg6
ENSMUSG0ENSMUSGC	2708.187	0.074952	0.127491	0.587899	0.5566	0.882676	Snx25
ENSMUSG0ENSMUSGC	234.9964	0.173518	0.121616	1.426774	0.153645	0.590101	Ccdc155
ENSMUSG0ENSMUSGC	150.8625	-0.16669	0.145323	-1.14701	0.251377	0.697958	Atg9b
ENSMUSG0ENSMUSGC	373.7531	-0.02364	0.139525	-0.16945	0.865441	0.97421	Galnt18

ENSMUSG0ENSMUSG0	1681.749	0.05776	0.064057	0.9017	0.367216	0.783695	Wdr36
ENSMUSG0ENSMUSG0	973.0237	0.03293	0.076957	0.427904	0.668721	0.925067	Snx10
ENSMUSG0ENSMUSG0	484.9284	-0.11474	0.088221	-1.30058	0.193403	0.639447	Afg1l
ENSMUSG0ENSMUSG0	2730.051	-0.19323	0.082557	-2.34057	0.019254	0.218471	Edem2
ENSMUSG0ENSMUSG0	2147.845	-0.13762	0.085073	-1.61764	0.105741	0.504407	Kcnh2
ENSMUSG0ENSMUSG0	553.1497	-0.01004	0.109094	-0.09199	0.926703	0.985705	1700066M:
ENSMUSG0ENSMUSG0	5966.745	0.163477	0.047787	3.420934	0.000624	0.027261	Trpc4ap
ENSMUSG0ENSMUSG0	154.7696	-0.17054	0.122013	-1.39772	0.162196	0.601189	Satb2
ENSMUSG0ENSMUSG0	782.9324	0.297844	0.104857	2.840478	0.004505	0.098067	Sesn1
ENSMUSG0ENSMUSG0	2451.191	0.064408	0.073903	0.871521	0.38347	0.790739	Tsr1
ENSMUSG0ENSMUSG0	1005.819	-0.24151	0.10821	-2.23186	0.025625	0.256431	Mlxip
ENSMUSG0ENSMUSG0	541.9981	0.003466	0.095474	0.0363	0.971043	0.995539	Txlng
ENSMUSG0ENSMUSG0	1797.508	-0.01825	0.088336	-0.20658	0.836341	0.965089	Zfp384
ENSMUSG0ENSMUSG0	206.8352	-0.03562	0.113585	-0.31359	0.753833	0.943933	Tcte2
ENSMUSG0ENSMUSG0	91.671	-0.27436	0.135726	-2.02146	0.043233	0.33585	Plcl1
ENSMUSG0ENSMUSG0	1447.114	0.196645	0.111746	1.75975	0.07845	0.444318	Sgsm2
ENSMUSG0ENSMUSG0	213.4129	0.276814	0.145142	1.907192	0.056496	0.384314	Arl5c
ENSMUSG0ENSMUSG0	320.352	0.136248	0.127811	1.066009	0.286419	0.726761	Ankrd35
ENSMUSG0ENSMUSG0	1020.09	-0.08775	0.065346	-1.34292	0.179299	0.623409	Fbxo25
ENSMUSG0ENSMUSG0	5067.215	0.068193	0.080236	0.84991	0.395375	0.796836	Lasp1
ENSMUSG0ENSMUSG0	735.1002	0.125505	0.107059	1.172299	0.241077	0.689436	Focad
ENSMUSG0ENSMUSG0	2128.182	-0.01945	0.080681	-0.24112	0.809466	0.958353	Ncoa6
ENSMUSG0ENSMUSG0	695.1249	0.032759	0.099441	0.329431	0.74183	0.94054	Pcp4l1
ENSMUSG0ENSMUSG0	1318.615	0.049935	0.103851	0.48083	0.630638	0.911457	Sbf2
ENSMUSG0ENSMUSG0	2643.155	0.006767	0.067601	0.100105	0.920261	0.985705	Gmds
ENSMUSG0ENSMUSG0	2643.995	0.105769	0.122999	0.859922	0.389832	0.794806	Rbm8a
ENSMUSG0ENSMUSG0	17554.57	0.056917	0.104088	0.546816	0.584505	0.893128	Trp53inp2
ENSMUSG0ENSMUSG0	1102.264	0.051716	0.088301	0.585683	0.558089	0.882863	Ttk
ENSMUSG0ENSMUSG0	1744.25	0.065199	0.068067	0.957857	0.338135	0.76086	Pigu
ENSMUSG0ENSMUSG0	769.0188	-0.15367	0.115192	-1.33406	0.182183	0.628287	Setd1b
ENSMUSG0ENSMUSG0	208.5428	-0.1583	0.113332	-1.3968	0.162473	0.601189	Rras
ENSMUSG0ENSMUSG0	1713.511	0.149436	0.10986	1.360248	0.173751	0.615894	Mpp6
ENSMUSG0ENSMUSG0	365.7764	0.073341	0.127786	0.573939	0.566009	0.88728	Gpr162
ENSMUSG0ENSMUSG0	590.3598	-0.14923	0.145609	-1.02485	0.305435	0.741488	Txnip
ENSMUSG0ENSMUSG0	994.9556	0.030989	0.091137	0.340028	0.733836	0.938791	Upf3a
ENSMUSG0ENSMUSG0	83.46204	-0.48132	0.145996	-3.29684	0.000978	0.036349	Pmepa1
ENSMUSG0ENSMUSG0	4154.864	0.067431	0.084113	0.801666	0.422746	0.812942	Scaf1
ENSMUSG0ENSMUSG0	3237.942	0.116323	0.071757	1.621065	0.105004	0.502357	Cdc16
ENSMUSG0ENSMUSG0	653.7237	0.165297	0.101459	1.629198	0.103271	0.499892	Fig4
ENSMUSG0ENSMUSG0	1113.501	-0.16712	0.130072	-1.28483	0.198852	0.645843	Egr1
ENSMUSG0ENSMUSG0	104.1592	0.056059	0.129732	0.432114	0.665658	0.925067	Hdhd3
ENSMUSG0ENSMUSG0	320.6691	-0.07943	0.105571	-0.75236	0.451837	0.827017	Poli
ENSMUSG0ENSMUSG0	4746.477	0.16737	0.11142	1.502161	0.133056	0.555792	Usp5
ENSMUSG0ENSMUSG0	1969.733	-0.2002	0.097958	-2.04373	0.040981	0.329087	Mllt6
ENSMUSG0ENSMUSG0	835.397	0.007705	0.074121	0.103951	0.917208	0.984548	Cdc40
ENSMUSG0ENSMUSG0	568.5285	0.021407	0.131591	0.162682	0.870769	0.975492	Spsb2
ENSMUSG0ENSMUSG0	696.3465	-0.10545	0.120952	-0.87186	0.383285	0.790739	Srcin1
ENSMUSG0ENSMUSG0	51.75731	0.402025	0.146007	2.753466	0.005897	0.114003	Dennd2a
ENSMUSG0ENSMUSG0	909.3819	-0.00938	0.078355	-0.11977	0.904669	0.982338	Abhd17c
ENSMUSG0ENSMUSG0	5352.58	0.090484	0.094123	0.961335	0.336384	0.759707	Uqcrrf1
ENSMUSG0ENSMUSG0	217.7251	-0.12705	0.101446	-1.25239	0.210427	0.659576	Olfml2b
ENSMUSG0ENSMUSG0	4330.572	0.12671	0.095501	1.326786	0.18458	0.631891	Chmp4b

ENSMUSG0ENSMUSG0	1946.653	-0.09061	0.083272	-1.08813	0.276537	0.718088	Cdk19
ENSMUSG0ENSMUSG0	5180.688	-0.13827	0.122879	-1.12524	0.260487	0.704211	Tfdp1
ENSMUSG0ENSMUSG0	1464.701	0.06482	0.131716	0.492118	0.622636	0.907988	Socs7
ENSMUSG0ENSMUSG0	5584.227	-0.04793	0.100282	-0.47797	0.63267	0.911817	Sv2a
ENSMUSG0ENSMUSG0	887.5364	0.140814	0.109444	1.28663	0.198223	0.645235	Polr2l
ENSMUSG0ENSMUSG0	868.3966	-0.05768	0.077886	-0.74055	0.458964	0.832245	Otud7b
ENSMUSG0ENSMUSG0	3897.512	0.069209	0.121141	0.57131	0.567789	0.888146	Tmco3
ENSMUSG0ENSMUSG0	910.2646	0.188342	0.086292	2.182617	0.029064	0.273828	Prr3
ENSMUSG0ENSMUSG0	6731.976	0.033712	0.075103	0.448883	0.653516	0.919812	Ptov1
ENSMUSG0ENSMUSG0	2914.596	0.329205	0.102171	3.22209	0.001273	0.042694	Mesd
ENSMUSG0ENSMUSG0	985.6226	-0.05473	0.071812	-0.76218	0.445951	0.824037	Dcun1d2
ENSMUSG0ENSMUSG0	884.5754	-0.21325	0.093468	-2.28154	0.022517	0.239825	Parp12
ENSMUSG0ENSMUSG0	871.3039	0.092835	0.078226	1.186745	0.235328	0.683684	Rpf2
ENSMUSG0ENSMUSG0	542.5973	0.030403	0.111645	0.272322	0.785375	0.953405	Grtp1
ENSMUSG0ENSMUSG0	1311.555	-0.17321	0.10106	-1.7139	0.086548	0.463716	Jarid2
ENSMUSG0ENSMUSG0	1640.782	0.102686	0.064343	1.59591	0.110509	0.514156	Tbc1d17
ENSMUSG0ENSMUSG0	204.1603	0.175379	0.135627	1.293098	0.195977	0.642065	Fchsd1
ENSMUSG0ENSMUSG0	6047.27	0.268484	0.074782	3.590242	0.00033	0.018173	Armc10
ENSMUSG0ENSMUSG0	10180.53	-0.19088	0.107825	-1.77028	0.076681	0.439587	Rgs4
ENSMUSG0ENSMUSG0	1188.728	0.083129	0.078411	1.06018	0.289063	0.728677	Cbfa2t2
ENSMUSG0ENSMUSG0	558.2142	-0.02715	0.115337	-0.23542	0.813882	0.959362	Osbpl7
ENSMUSG0ENSMUSG0	1118.515	0.082138	0.098237	0.836118	0.403089	0.800131	Zfp280d
ENSMUSG0ENSMUSG0	2153.023	-0.02001	0.103843	-0.19266	0.847225	0.968351	Ubn2
ENSMUSG0ENSMUSG0	6937.228	0.064928	0.14592	0.444952	0.656354	0.920963	Atf5
ENSMUSG0ENSMUSG0	1372.088	-0.00195	0.087111	-0.02239	0.982135	0.997345	Pcid2
ENSMUSG0ENSMUSG0	107.6525	0.26726	0.139305	1.918518	0.055045	0.379148	BC028528
ENSMUSG0ENSMUSG0	882.71	0.041082	0.076684	0.535733	0.592143	0.895697	Inip
ENSMUSG0ENSMUSG0	1919.768	0.215028	0.112567	1.910219	0.056105	0.382899	Cul7
ENSMUSG0ENSMUSG0	3324.188	0.031896	0.102586	0.310922	0.75586	0.944612	Ranbp9
ENSMUSG0ENSMUSG0	313.5063	0.008789	0.09501	0.092503	0.926299	0.985705	Ciart
ENSMUSG0ENSMUSG0	3709.514	0.073418	0.087588	0.838217	0.401909	0.79975	Reep2
ENSMUSG0ENSMUSG0	179.0994	-0.36933	0.123912	-2.98054	0.002877	0.073436	Sp6
ENSMUSG0ENSMUSG0	730.9666	0.093141	0.068725	1.355271	0.175331	0.617729	Efl1
ENSMUSG0ENSMUSG0	1280.42	0.042946	0.117538	0.36538	0.714828	0.935647	Ift172
ENSMUSG0ENSMUSG0	88.83655	-0.21369	0.137136	-1.55826	0.119172	0.530106	Rad9b
ENSMUSG0ENSMUSG0	46.84431	0.340555	0.145874	2.33459	0.019565	0.220695	Saxo2
ENSMUSG0ENSMUSG0	863.6867	-0.03512	0.114993	-0.30543	0.760035	0.945851	Susd4
ENSMUSG0ENSMUSG0	592.8845	-0.23016	0.096175	-2.39319	0.016702	0.202597	Susd1
ENSMUSG0ENSMUSG0	1092.024	0.150432	0.097895	1.536661	0.124376	0.53891	Sct
ENSMUSG0ENSMUSG0	582.1275	0.006791	0.087912	0.077248	0.938426	0.9878	Pptc7
ENSMUSG0ENSMUSG0	379.8264	-0.06525	0.145444	-0.44859	0.653725	0.919812	Akap12
ENSMUSG0ENSMUSG0	496.2823	-0.28051	0.108924	-2.57528	0.010016	0.15336	Tctn1
ENSMUSG0ENSMUSG0	333.1983	0.078206	0.144009	0.543064	0.587086	0.894311	Slc35f1
ENSMUSG0ENSMUSG0	2211.813	0.049684	0.117688	0.422171	0.6729	0.926902	Ripor1
ENSMUSG0ENSMUSG0	1649.357	0.058892	0.07884	0.746988	0.455071	0.829558	Samd10
ENSMUSG0ENSMUSG0	1074.648	0.147971	0.121935	1.213521	0.224931	0.674924	Gng10
ENSMUSG0ENSMUSG0	373.4518	-0.32715	0.106693	-3.06626	0.002168	0.060236	Dock10
ENSMUSG0ENSMUSG0	2743.83	0.040969	0.079391	0.516045	0.605823	0.902436	Phrf1
ENSMUSG0ENSMUSG0	3380.719	-0.20083	0.06745	-2.97745	0.002907	0.073722	Mcl1
ENSMUSG0ENSMUSG0	5802.644	0.262608	0.086036	3.052295	0.002271	0.062444	Nfe2l1
ENSMUSG0ENSMUSG0	1233.644	-0.0059	0.101231	-0.05826	0.953544	0.992357	Rassf7
ENSMUSG0ENSMUSG0	3551.301	0.103015	0.057433	1.793649	0.072869	0.430802	Ensa

ENSMUSG0ENSMUSGC	915.3228	0.046539	0.108568	0.428657	0.668173	0.925067	Med30
ENSMUSG0ENSMUSGC	1434.182	0.46677	0.144946	3.22031	0.001281	0.042792	Tm6sf1
ENSMUSG0ENSMUSGC	1870.359	0.162541	0.07231	2.247837	0.024587	0.250113	Polr3k
ENSMUSG0ENSMUSGC	8108.745	0.126403	0.112322	1.125361	0.260436	0.704211	Degs1
ENSMUSG0ENSMUSGC	723.048	-0.19458	0.071024	-2.73961	0.006151	0.11696	Lrrc56
ENSMUSG0ENSMUSGC	3547.119	0.208422	0.092441	2.254655	0.024155	0.248527	Pold1
ENSMUSG0ENSMUSGC	1341.186	0.100889	0.082363	1.224928	0.220602	0.671412	Fam103a1
ENSMUSG0ENSMUSGC	1751.402	-0.0588	0.115534	-0.50895	0.610788	0.904473	Creb3l2
ENSMUSG0ENSMUSGC	4977.68	0.109011	0.085657	1.27265	0.203142	0.650552	Rnh1
ENSMUSG0ENSMUSGC	832.7781	-0.23758	0.104848	-2.26593	0.023456	0.244449	Ric1
ENSMUSG0ENSMUSGC	3511.881	-0.02882	0.097588	-0.2953	0.767766	0.948584	Herc1
ENSMUSG0ENSMUSGC	101.9802	0.138338	0.141088	0.980511	0.326834	0.754362	Dgki
ENSMUSG0ENSMUSGC	1205.913	0.02511	0.07402	0.339239	0.73443	0.938791	Arfrp1
ENSMUSG0ENSMUSGC	49.16888	-0.06336	0.141949	-0.44636	0.655339	0.920184	Scube3
ENSMUSG0ENSMUSGC	216.9061	-0.29443	0.126823	-2.32156	0.020257	0.22529	Trps1
ENSMUSG0ENSMUSGC	2054.024	0.126411	0.075744	1.668919	0.095133	0.485177	Pak1ip1
ENSMUSG0ENSMUSGC	2197.254	0.146453	0.090684	1.614993	0.106312	0.505901	Rtel1
ENSMUSG0ENSMUSGC	5626.253	0.170649	0.107844	1.582369	0.113565	0.519695	Atp5j2
ENSMUSG0ENSMUSGC	1069.062	-0.04411	0.097295	-0.45336	0.650289	0.918867	Josd2
ENSMUSG0ENSMUSGC	432.266	-0.1332	0.085474	-1.55833	0.119154	0.530106	Mapkap1
ENSMUSG0ENSMUSGC	930.7962	-0.09112	0.084917	-1.073	0.283273	0.724275	Taf5l
ENSMUSG0ENSMUSGC	927.0618	0.002744	0.075671	0.036256	0.971078	0.995539	Dsel
ENSMUSG0ENSMUSGC	1127.914	-0.11774	0.07684	-1.53229	0.125452	0.541463	Gmeb2
ENSMUSG0ENSMUSGC	3371.512	0.00281	0.096538	0.02911	0.976777	0.996317	Golga4
ENSMUSG0ENSMUSGC	996.6997	-0.06628	0.067645	-0.97981	0.327182	0.754563	Mindy1
ENSMUSG0ENSMUSGC	7698.464	0.125067	0.095727	1.306489	0.191386	0.638563	Atp5l
ENSMUSG0ENSMUSGC	3394.26	0.143037	0.097362	1.469131	0.141797	0.571761	Pbx3
ENSMUSG0ENSMUSGC	2989.157	0.078682	0.088529	0.888772	0.374126	0.787458	Bud31
ENSMUSG0ENSMUSGC	51.19395	-0.04354	0.138769	-0.31372	0.753731	0.943904	Akap2
ENSMUSG0ENSMUSGC	1586.878	0.072008	0.113974	0.631796	0.52752	0.868822	Mboat1
ENSMUSG0ENSMUSGC	3160.414	0.042385	0.07758	0.546337	0.584834	0.893351	Wdr26
ENSMUSG0ENSMUSGC	983.4963	0.045252	0.102424	0.441809	0.658627	0.921968	Nudcd1
ENSMUSG0ENSMUSGC	40.99072	0.167536	0.142607	1.174813	0.240069	0.688236	Shank1
ENSMUSG0ENSMUSGC	510.42	0.020125	0.125126	0.160839	0.87222	0.975692	Angptl6
ENSMUSG0ENSMUSGC	3591.095	0.051541	0.068449	0.752977	0.451464	0.827013	Nup205
ENSMUSG0ENSMUSGC	4633.194	0.042109	0.058836	0.715699	0.474177	0.842005	Abcf1
ENSMUSG0ENSMUSGC	1755.939	-0.1558	0.092865	-1.67776	0.093394	0.479382	Ptpn3
ENSMUSG0ENSMUSGC	2210.651	-0.12467	0.110924	-1.12389	0.261058	0.704535	Gabpb2
ENSMUSG0ENSMUSGC	1494.858	-0.13052	0.091191	-1.43124	0.152362	0.588279	Kdm3b
ENSMUSG0ENSMUSGC	2538.266	0.099953	0.116403	0.858678	0.390518	0.794806	Ascc3
ENSMUSG0ENSMUSGC	1160.072	-0.19812	0.08535	-2.32121	0.020276	0.22529	Ephx1
ENSMUSG0ENSMUSGC	65.62946	-0.36451	0.143431	-2.54139	0.011041	0.163083	Sema6c
ENSMUSG0ENSMUSGC	439.6446	-0.28775	0.077031	-3.73552	0.000187	0.012458	Smurf1
ENSMUSG0ENSMUSGC	56.58406	0.071746	0.141164	0.508245	0.611282	0.904473	Stap2
ENSMUSG0ENSMUSGC	925.7411	0.08727	0.080956	1.07799	0.281038	0.721619	Cnot4
ENSMUSG0ENSMUSGC	173.6685	-0.2029	0.125602	-1.61544	0.106215	0.505618	Zscan2
ENSMUSG0ENSMUSGC	3153.512	0.195883	0.097193	2.015414	0.043861	0.337833	Ost4
ENSMUSG0ENSMUSGC	144.5439	-0.09944	0.118538	-0.83887	0.40154	0.79975	Six3
ENSMUSG0ENSMUSGC	853.138	-0.03027	0.076285	-0.39683	0.691493	0.931679	Sde2
ENSMUSG0ENSMUSGC	12743.15	-0.03492	0.132056	-0.26444	0.791442	0.954487	Rap1gap2
ENSMUSG0ENSMUSGC	1787.37	0.044675	0.116744	0.382673	0.701962	0.934077	Trmt112
ENSMUSG0ENSMUSGC	1093.872	0.054656	0.094337	0.579368	0.562341	0.885011	Ctnnal1

ENSMUSG0ENSMUSG0	1142.648	0.000589	0.068921	0.008548	0.99318	0.998539	Hace1
ENSMUSG0ENSMUSG0	1166.661	0.035587	0.083504	0.426172	0.669983	0.925403	Fam206a
ENSMUSG0ENSMUSG0	4155.617	0.069586	0.09398	0.740431	0.459039	0.832245	Tmem214
ENSMUSG0ENSMUSG0	793.8917	0.083113	0.112345	0.7398	0.459422	0.832245	Ralgps1
ENSMUSG0ENSMUSG0	285.3419	-0.03154	0.126419	-0.24947	0.802999	0.957091	Agbl3
ENSMUSG0ENSMUSG0	762.7222	0.002145	0.081269	0.026394	0.978943	0.996602	Vars2
ENSMUSG0ENSMUSG0	1811.937	-0.32375	0.100891	-3.20888	0.001333	0.04355	Gcnt1
ENSMUSG0ENSMUSG0	741.0096	-0.01006	0.092661	-0.10856	0.913553	0.983954	Kif16b
ENSMUSG0ENSMUSG0	3508.815	0.212261	0.065064	3.262327	0.001105	0.038973	Phb
ENSMUSG0ENSMUSG0	2086.93	0.035205	0.080989	0.434692	0.663786	0.924679	Ythdf1
ENSMUSG0ENSMUSG0	5190.674	0.154533	0.096151	1.607196	0.108011	0.510418	Itpkb
ENSMUSG0ENSMUSG0	1983.56	0.184511	0.094051	1.961822	0.049783	0.360484	Baiap2l1
ENSMUSG0ENSMUSG0	136.5258	0.1366	0.145089	0.941493	0.346452	0.767997	Garnl3
ENSMUSG0ENSMUSG0	1859.303	0.117004	0.082223	1.423007	0.154734	0.591966	Pi4kb
ENSMUSG0ENSMUSG0	1203.028	0.102031	0.088872	1.14807	0.25094	0.697569	Zcchc2
ENSMUSG0ENSMUSG0	566.0851	-0.14552	0.099667	-1.46006	0.144275	0.573946	Bpgm
ENSMUSG0ENSMUSG0	507.2247	-0.06913	0.087716	-0.78816	0.430601	0.816125	Zfhx3
ENSMUSG0ENSMUSG0	1043.448	-0.02801	0.113106	-0.24765	0.804408	0.957462	Rnf146
ENSMUSG0ENSMUSG0	448.2925	-0.41985	0.094341	-4.45034	8.57E-06	0.001436	Nipal2
ENSMUSG0ENSMUSG0	1452.467	0.114711	0.118873	0.964984	0.334553	0.759008	Mrps34
ENSMUSG0ENSMUSG0	1862.583	-0.14109	0.095186	-1.48222	0.138282	0.566242	A230050P2
ENSMUSG0ENSMUSG0	2348.974	-0.28283	0.111701	-2.53201	0.011341	0.165004	Man2a2
ENSMUSG0ENSMUSG0	287.3787	-0.06585	0.096205	-0.68449	0.493666	0.852903	Ctu1
ENSMUSG0ENSMUSG0	900.8921	0.08726	0.135811	0.642513	0.52054	0.86543	Fam117a
ENSMUSG0ENSMUSG0	2343.292	0.058161	0.123406	0.471303	0.637424	0.912787	Irs2
ENSMUSG0ENSMUSG0	569.183	-0.18107	0.102843	-1.76061	0.078305	0.443892	Zfp653
ENSMUSG0ENSMUSG0	551.8825	0.120401	0.117144	1.027806	0.304041	0.739759	Rpl12
ENSMUSG0ENSMUSG0	1756.051	-0.03623	0.089529	-0.40466	0.685731	0.931173	Pogz
ENSMUSG0ENSMUSG0	3496.897	0.02003	0.061371	0.326372	0.744143	0.940717	Kat7
ENSMUSG0ENSMUSG0	1157.937	-0.00029	0.094173	-0.00309	0.997531	0.998981	Plcl2
ENSMUSG0ENSMUSG0	1721.189	-0.04286	0.106413	-0.40276	0.687128	0.931173	Dido1
ENSMUSG0ENSMUSG0	825.2387	-0.04156	0.130625	-0.31817	0.750358	0.942407	Soga3
ENSMUSG0ENSMUSG0	236.2262	-0.04241	0.098113	-0.4323	0.665526	0.925067	Rccd1
ENSMUSG0ENSMUSG0	1754.467	-0.08735	0.077151	-1.13225	0.257527	0.702668	Sccpdh
ENSMUSG0ENSMUSG0	6426.324	-0.02918	0.060478	-0.48245	0.629485	0.910993	Prc1
ENSMUSG0ENSMUSG0	1727.829	0.064134	0.069482	0.923031	0.355991	0.774872	Cnst
ENSMUSG0ENSMUSG0	312.9059	0.109169	0.130844	0.834346	0.404086	0.800157	Supt3
ENSMUSG0ENSMUSG0	950.1572	-0.05355	0.081033	-0.66078	0.508753	0.859191	Edc3
ENSMUSG0ENSMUSG0	475.7653	0.170523	0.145055	1.17557	0.239767	0.688236	Slco4a1
ENSMUSG0ENSMUSG0	7181.477	0.079768	0.063705	1.252148	0.210516	0.659576	Ube2l3
ENSMUSG0ENSMUSG0	515.9166	0.135311	0.119156	1.135572	0.256136	0.702061	Pdk2
ENSMUSG0ENSMUSG0	2088.753	0.046714	0.095087	0.491277	0.62323	0.907988	Lmtk2
ENSMUSG0ENSMUSG0	2672.632	0.145817	0.083367	1.749095	0.080275	0.447549	Rabggtb
ENSMUSG0ENSMUSG0	2772.934	-0.04287	0.108432	-0.39532	0.692607	0.932146	Ppp1r9b
ENSMUSG0ENSMUSG0	376.4483	0.035314	0.110961	0.318253	0.750293	0.942407	Bloc1s5
ENSMUSG0ENSMUSG0	51.32809	-0.15234	0.146005	-1.04339	0.296768	0.735498	Cfap157
ENSMUSG0ENSMUSG0	1108.164	-0.07285	0.080385	-0.90629	0.364782	0.781919	Cables2
ENSMUSG0ENSMUSG0	3874.398	0.069081	0.065746	1.05072	0.293387	0.733452	Txndc5
ENSMUSG0ENSMUSG0	6289.405	-0.14794	0.086628	-1.7078	0.087674	0.466534	Ube3c
ENSMUSG0ENSMUSG0	5851.188	0.147409	0.112785	1.306995	0.191214	0.63851	Rps21
ENSMUSG0ENSMUSG0	1565.472	-0.1117	0.062801	-1.77859	0.075308	0.435962	Cpq
ENSMUSG0ENSMUSG0	1381.869	0.136167	0.108024	1.260523	0.207481	0.655474	Timm8b

ENSMUSG0ENSMUSG0	357.3553	-0.16217	0.117567	-1.37938	0.167776	0.607654	Mtg1
ENSMUSG0ENSMUSG0	349.5673	0.055893	0.087786	0.636691	0.524326	0.867731	Arhgap18
ENSMUSG0ENSMUSG0	512.6508	-0.1182	0.079733	-1.48246	0.138219	0.566242	Tasp1
ENSMUSG0ENSMUSG0	906.5662	-0.17694	0.115859	-1.52723	0.126704	0.544243	St6galnac5
ENSMUSG0ENSMUSG0	3569.045	0.100953	0.081065	1.245333	0.213009	0.662162	Adrm1
ENSMUSG0ENSMUSG0	1283.95	-0.03183	0.109983	-0.28942	0.772259	0.94946	Arpin
ENSMUSG0ENSMUSG0	596.492	-0.09583	0.097523	-0.98264	0.325785	0.754238	Usp6nl
ENSMUSG0ENSMUSG0	2272.929	0.059814	0.080582	0.74228	0.457918	0.831747	Pigk
ENSMUSG0ENSMUSG0	1320.285	0.072954	0.080169	0.909999	0.362823	0.780559	Foxred1
ENSMUSG0ENSMUSG0	1951.535	0.043248	0.059397	0.728127	0.466536	0.837409	Osbpl2
ENSMUSG0ENSMUSG0	448.3273	0.041604	0.082204	0.506109	0.61278	0.905087	Eme1
ENSMUSG0ENSMUSG0	259.5161	0.241717	0.132388	1.82582	0.067877	0.418697	Myo16
ENSMUSG0ENSMUSG0	227.7266	-0.08221	0.10392	-0.79106	0.428907	0.815457	Ak5
ENSMUSG0ENSMUSG0	490.8758	-0.09454	0.116136	-0.81409	0.415593	0.80834	Fam173b
ENSMUSG0ENSMUSG0	3617.341	0.129468	0.082138	1.576217	0.114976	0.522571	Psmd7
ENSMUSG0ENSMUSG0	2586.886	0.088035	0.076387	1.152487	0.249121	0.696015	Zzz3
ENSMUSG0ENSMUSG0	579.4951	-0.05529	0.091785	-0.60237	0.546928	0.876593	Mtg2
ENSMUSG0ENSMUSG0	304.5811	-0.08398	0.1069	-0.78562	0.432089	0.816305	Zfp503
ENSMUSG0ENSMUSG0	446.4118	0.039003	0.090542	0.430778	0.66663	0.925067	Ss18l1
ENSMUSG0ENSMUSG0	115.3547	-0.04615	0.14601	-0.31605	0.751963	0.94327	Rreb1
ENSMUSG0ENSMUSG0	270.0263	-0.11463	0.097472	-1.17605	0.239574	0.688236	Rsad1
ENSMUSG0ENSMUSG0	6042.273	0.069785	0.078936	0.884077	0.376655	0.788552	Mar-06
ENSMUSG0ENSMUSG0	6718.971	0.026381	0.097155	0.271534	0.78598	0.953517	Atp6v1g1
ENSMUSG0ENSMUSG0	1411.121	-0.11453	0.083479	-1.37201	0.17006	0.611308	Lsm14b
ENSMUSG0ENSMUSG0	88.37152	-0.17546	0.140811	-1.2461	0.212728	0.662162	F13a1
ENSMUSG0ENSMUSG0	844.5474	-0.03088	0.090257	-0.34215	0.73224	0.938791	Taf4
ENSMUSG0ENSMUSG0	5278.968	-0.23299	0.088042	-2.64633	0.008137	0.137724	Prune2
ENSMUSG0ENSMUSG0	3767.988	-0.03841	0.05672	-0.67713	0.498321	0.854018	Cdc123
ENSMUSG0ENSMUSG0	684.0552	0.172345	0.094939	1.815318	0.069475	0.422124	Zc3hc1
ENSMUSG0ENSMUSG0	79.68706	-0.06827	0.13941	-0.48968	0.624359	0.908041	Gipc2
ENSMUSG0ENSMUSG0	957.8382	0.146498	0.099363	1.474365	0.140383	0.570713	Whrn
ENSMUSG0ENSMUSG0	2469.345	0.110341	0.071751	1.537843	0.124087	0.53853	Sart1
ENSMUSG0ENSMUSG0	1342.286	0.171593	0.08408	2.040842	0.041266	0.32991	Stim2
ENSMUSG0ENSMUSG0	3194.377	-0.30707	0.08252	-3.7212	0.000198	0.012736	Fam102a
ENSMUSG0ENSMUSG0	138.4341	0.048141	0.145897	0.329964	0.741427	0.94054	Akna
ENSMUSG0ENSMUSG0	1998.533	-0.01033	0.060708	-0.17014	0.864902	0.973828	Ube2h
ENSMUSG0ENSMUSG0	396.5807	0.016788	0.118003	0.142269	0.886867	0.978276	Cmc1
ENSMUSG0ENSMUSG0	254.0506	-0.08482	0.091582	-0.92616	0.354365	0.774327	Naif1
ENSMUSG0ENSMUSG0	258.0718	-0.10613	0.124207	-0.8545	0.39283	0.795486	Akap7
ENSMUSG0ENSMUSG0	8895.828	0.183959	0.12097	1.520701	0.128335	0.547437	Dap
ENSMUSG0ENSMUSG0	1868.822	-0.2143	0.114431	-1.87278	0.061099	0.397917	Polg
ENSMUSG0ENSMUSG0	1745.666	0.164958	0.124237	1.327767	0.184255	0.631891	Tbc1d19
ENSMUSG0ENSMUSG0	590.1194	0.027165	0.073778	0.368194	0.712729	0.935647	AW209491
ENSMUSG0ENSMUSG0	1206.744	0.118624	0.083268	1.424604	0.154272	0.590874	Nubp2
ENSMUSG0ENSMUSG0	841.1912	0.085992	0.08358	1.028857	0.303547	0.739759	Fanci
ENSMUSG0ENSMUSG0	1029.528	-0.05305	0.106437	-0.49843	0.618182	0.907335	Rbpj
ENSMUSG0ENSMUSG0	2047.077	0.190475	0.11878	1.603595	0.108803	0.511384	1110008P1
ENSMUSG0ENSMUSG0	1766.292	0.089261	0.08732	1.022233	0.306671	0.743081	Adk
ENSMUSG0ENSMUSG0	696.1886	-0.27865	0.090304	-3.08573	0.002031	0.057383	Zdhhc1
ENSMUSG0ENSMUSG0	69.24046	-0.15124	0.139835	-1.08156	0.279447	0.721123	Atf7ip2
ENSMUSG0ENSMUSG0	415.8577	0.037332	0.115215	0.324021	0.745922	0.941322	Tbc1d25
ENSMUSG0ENSMUSG0	8390.109	0.072639	0.070414	1.031591	0.302264	0.739759	Abhd2

ENSMUSG0ENSMUSGC	1813.599	-0.15837	0.079685	-1.98745	0.046872	0.348855	Ciz1
ENSMUSG0ENSMUSGC	645.4504	-0.04225	0.088612	-0.47678	0.633522	0.91238	Daglb
ENSMUSG0ENSMUSGC	166.3132	0.090645	0.134329	0.674798	0.499804	0.855025	Metrnl
ENSMUSG0ENSMUSGC	774.0943	-0.05579	0.08297	-0.67235	0.50136	0.856225	Gpatch2
ENSMUSG0ENSMUSGC	10611.79	-0.01473	0.083913	-0.17555	0.860644	0.972797	Srrm2
ENSMUSG0ENSMUSGC	977.9382	-0.01247	0.119039	-0.10475	0.91657	0.984548	Arid4b
ENSMUSG0ENSMUSGC	2393.732	-0.02944	0.085941	-0.34261	0.731892	0.938791	Ppp1r10
ENSMUSG0ENSMUSGC	2462.536	0.047068	0.113878	0.413324	0.679369	0.928688	Rpl22l1
ENSMUSG0ENSMUSGC	1947.997	0.103047	0.124246	0.829382	0.406888	0.801957	Tbcd
ENSMUSG0ENSMUSGC	2225.412	-0.04264	0.071677	-0.59485	0.551942	0.880407	Suv39h1
ENSMUSG0ENSMUSGC	1153.586	-0.12973	0.084719	-1.53132	0.12569	0.541794	Tbce
ENSMUSG0ENSMUSGC	2933.315	0.082962	0.092303	0.898804	0.368757	0.784563	Sec24d
ENSMUSG0ENSMUSGC	1826.876	0.037946	0.135615	0.279808	0.779625	0.951422	Isg20
ENSMUSG0ENSMUSGC	331.7091	0.042511	0.145453	0.292264	0.770085	0.949297	Tgfb2
ENSMUSG0ENSMUSGC	551.8646	-0.13245	0.120172	-1.10215	0.270397	0.713604	B3galnt2
ENSMUSG0ENSMUSGC	1199.872	-0.11457	0.10437	-1.09772	0.272325	0.715515	E130309D0
ENSMUSG0ENSMUSGC	928.214	-0.06525	0.09866	-0.66132	0.508409	0.858926	Lyplal1
ENSMUSG0ENSMUSGC	580.8295	-0.33861	0.103269	-3.2789	0.001042	0.037649	Lgi2
ENSMUSG0ENSMUSGC	357.4187	0.151308	0.118668	1.275062	0.202287	0.650197	Fn3krp
ENSMUSG0ENSMUSGC	971.4745	-0.03902	0.0851	-0.45852	0.646577	0.91691	Pomt1
ENSMUSG0ENSMUSGC	99.45534	-0.18789	0.144538	-1.29995	0.193618	0.639447	Vstm2b
ENSMUSG0ENSMUSGC	8001.253	0.015781	0.10474	0.150667	0.880238	0.97663	Prrc2b
ENSMUSG0ENSMUSGC	107.9717	-0.43455	0.130702	-3.32474	0.000885	0.034489	Npepl1
ENSMUSG0ENSMUSGC	2958.306	-0.01918	0.109991	-0.17439	0.86156	0.972861	Megf9
ENSMUSG0ENSMUSGC	4150.376	0.036983	0.102884	0.359463	0.719249	0.936235	Foxk2
ENSMUSG0ENSMUSGC	8711.992	-0.11605	0.126444	-0.91783	0.358706	0.776427	Pcsk1n
ENSMUSG0ENSMUSGC	1747.945	-0.0955	0.081124	-1.17724	0.239101	0.687958	Azi2
ENSMUSG0ENSMUSGC	2846.052	0.041219	0.127716	0.322739	0.746893	0.941594	Fndc3b
ENSMUSG0ENSMUSGC	807.9776	0.046703	0.096592	0.483508	0.628735	0.910993	BC017643
ENSMUSG0ENSMUSGC	2628.485	0.109143	0.051094	2.13615	0.032667	0.289756	Cdk5rap2
ENSMUSG0ENSMUSGC	312.236	-0.07799	0.141669	-0.55051	0.581969	0.892926	Tnfsf10
ENSMUSG0ENSMUSGC	1075.867	0.096648	0.083331	1.159804	0.246128	0.69389	Hexdc
ENSMUSG0ENSMUSGC	621.8817	-0.05224	0.072937	-0.71622	0.473858	0.841959	Ndst2
ENSMUSG0ENSMUSGC	3017.811	0.122031	0.073644	1.657056	0.097508	0.487796	Rab3gap2
ENSMUSG0ENSMUSGC	305.8352	0.021935	0.122371	0.179251	0.857741	0.971994	Mettl22
ENSMUSG0ENSMUSGC	9869.485	0.008209	0.068715	0.119463	0.904908	0.982338	Atp6v0e2
ENSMUSG0ENSMUSGC	286.6043	-0.41735	0.133035	-3.13712	0.001706	0.051426	C130074G1
ENSMUSG0ENSMUSGC	1180.441	0.086024	0.123133	0.698629	0.484784	0.848425	Smarcal1
ENSMUSG0ENSMUSGC	2440.871	0.180825	0.082869	2.182063	0.029105	0.273828	Exosc2
ENSMUSG0ENSMUSGC	608.7868	-0.19062	0.097921	-1.94673	0.051568	0.367402	Fut11
ENSMUSG0ENSMUSGC	6157.655	0.106543	0.074433	1.431391	0.152318	0.588279	Picalm
ENSMUSG0ENSMUSGC	5328.323	0.027782	0.079338	0.350175	0.726207	0.938348	Sec24c
ENSMUSG0ENSMUSGC	1037.384	-0.12337	0.11962	-1.03139	0.302357	0.739759	Mar-04
ENSMUSG0ENSMUSGC	165.9143	0.183818	0.128405	1.431552	0.152272	0.588272	Wdr17
ENSMUSG0ENSMUSGC	45.87137	0.026772	0.138345	0.193517	0.846554	0.968351	Hlx
ENSMUSG0ENSMUSGC	823.5363	0.024466	0.127863	0.191346	0.848254	0.968781	Wdr45
ENSMUSG0ENSMUSGC	1326.265	0.030225	0.085639	0.35294	0.724134	0.937852	Dusp10
ENSMUSG0ENSMUSGC	197.0839	-0.02175	0.145984	-0.14896	0.881583	0.97678	Cdh6
ENSMUSG0ENSMUSGC	1023.718	-0.27715	0.145785	-1.90109	0.057291	0.386285	Mreg
ENSMUSG0ENSMUSGC	3688.527	0.020526	0.127357	0.16117	0.87196	0.975692	Neil3
ENSMUSG0ENSMUSGC	613.7135	0.086992	0.140187	0.620542	0.534901	0.87213	Prss23
ENSMUSG0ENSMUSGC	1411.817	0.075846	0.091406	0.829768	0.40667	0.801957	Heatr5b

ENSMUSG0ENSMUSG0	1362.806	0.085604	0.136077	0.629089	0.529291	0.869382	Cntnap2
ENSMUSG0ENSMUSG0	1137.704	-0.13325	0.112673	-1.18267	0.236941	0.685802	Alg1
ENSMUSG0ENSMUSG0	2000.521	-0.05407	0.081424	-0.66402	0.50668	0.858732	Tmem135
ENSMUSG0ENSMUSG0	3563.115	-0.02521	0.107074	-0.23544	0.813867	0.959362	Mtmr7
ENSMUSG0ENSMUSG0	1456.397	-0.14101	0.06849	-2.05885	0.039508	0.322212	Prpf18
ENSMUSG0ENSMUSG0	237.7809	-0.04775	0.14082	-0.33908	0.734546	0.938791	Dcxr
ENSMUSG0ENSMUSG0	64.02564	-0.10081	0.13933	-0.72351	0.469365	0.839555	Snx22
ENSMUSG0ENSMUSG0	1699.931	-0.01625	0.08801	-0.18459	0.853552	0.970089	Morc3
ENSMUSG0ENSMUSG0	746.7814	0.059839	0.113385	0.527753	0.597671	0.897897	Ppl
ENSMUSG0ENSMUSG0	408.9078	-0.08324	0.096034	-0.86681	0.386044	0.792576	Mtmr12
ENSMUSG0ENSMUSG0	1468.815	-0.09736	0.119676	-0.81353	0.415913	0.808403	Tcta
ENSMUSG0ENSMUSG0	1237.454	-0.18495	0.088132	-2.09859	0.035853	0.306225	Slc9a8
ENSMUSG0ENSMUSG0	5432.124	-0.01196	0.128175	-0.09328	0.925684	0.985705	Zdhhc2
ENSMUSG0ENSMUSG0	4250.557	-0.16048	0.104077	-1.5419	0.123098	0.535802	Ubn1
ENSMUSG0ENSMUSG0	2761.17	0.353235	0.095526	3.697793	0.000217	0.013397	Wfs1
ENSMUSG0ENSMUSG0	1424.65	-0.10487	0.103693	-1.01136	0.311844	0.745302	Tnrc18
ENSMUSG0ENSMUSG0	1402.443	0.020957	0.090594	0.231325	0.817063	0.959822	Micu3
ENSMUSG0ENSMUSG0	222.1183	-0.20572	0.133251	-1.54386	0.122623	0.5355	Nt5dc1
ENSMUSG0ENSMUSG0	237.5009	-0.16045	0.143938	-1.11474	0.264962	0.708436	Nrtn
ENSMUSG0ENSMUSG0	1121.077	0.005731	0.075731	0.075678	0.939676	0.987897	Asb6
ENSMUSG0ENSMUSG0	5694.673	0.173301	0.09737	1.779815	0.075106	0.435174	Tspyl4
ENSMUSG0ENSMUSG0	67.35183	0.124333	0.143491	0.866487	0.386223	0.792576	Dse
ENSMUSG0ENSMUSG0	1058.002	-0.0683	0.093719	-0.72882	0.46611	0.836799	Znfx1
ENSMUSG0ENSMUSG0	1895.241	0.063927	0.08371	0.763673	0.445062	0.823581	Nup133
ENSMUSG0ENSMUSG0	1296.614	0.075694	0.076003	0.995928	0.319285	0.750368	Uhrf1bp1
ENSMUSG0ENSMUSG0	5760.421	0.018573	0.103518	0.179422	0.857606	0.971994	Ptpa
ENSMUSG0ENSMUSG0	85.97802	-0.11634	0.145704	-0.7985	0.424583	0.813996	Cdsn
ENSMUSG0ENSMUSG0	126.1852	0.01049	0.145194	0.072251	0.942402	0.988783	Cyp7b1
ENSMUSG0ENSMUSG0	2079.819	-0.03832	0.10185	-0.3762	0.706765	0.934791	Cep104
ENSMUSG0ENSMUSG0	3221.431	-0.0305	0.090122	-0.33848	0.735	0.938791	Atp8b1
ENSMUSG0ENSMUSG0	5150.499	0.020157	0.071032	0.283773	0.776584	0.950382	Tusc3
ENSMUSG0ENSMUSG0	362.9109	-0.06138	0.09141	-0.67148	0.501917	0.856225	Zufsp
ENSMUSG0ENSMUSG0	395.5961	-0.1146	0.145911	-0.78538	0.43223	0.816305	Mmd2
ENSMUSG0ENSMUSG0	2188.851	-0.0055	0.075125	-0.07324	0.941616	0.988562	Stau1
ENSMUSG0ENSMUSG0	53.98145	-0.02249	0.145391	-0.1547	0.877056	0.976224	Sgcx
ENSMUSG0ENSMUSG0	10089.11	0.106643	0.132117	0.807185	0.41956	0.81145	Ncam1
ENSMUSG0ENSMUSG0	56.50419	0.075859	0.132832	0.571091	0.567938	0.888146	Ajap1
ENSMUSG0ENSMUSG0	418.4375	0.003109	0.139911	0.022219	0.982273	0.997345	Ppp1r3f
ENSMUSG0ENSMUSG0	57.92694	-0.08121	0.142139	-0.57135	0.567762	0.888146	221040601
ENSMUSG0ENSMUSG0	1609.703	0.009043	0.096727	0.093491	0.925514	0.985705	Ubalcl
ENSMUSG0ENSMUSG0	949.6405	-0.17486	0.085142	-2.05376	0.039999	0.324879	Nphp4
ENSMUSG0ENSMUSG0	780.6424	0.093172	0.086118	1.081912	0.279291	0.721123	Ccser1
ENSMUSG0ENSMUSG0	1025.916	0.044764	0.11514	0.388779	0.69744	0.933661	Myo9a
ENSMUSG0ENSMUSG0	1180.302	-0.06427	0.094168	-0.68246	0.494948	0.853343	Fam149b
ENSMUSG0ENSMUSG0	2430.737	0.250701	0.109616	2.287077	0.022191	0.237115	Rcan2
ENSMUSG0ENSMUSG0	48.25061	0.180632	0.134648	1.341509	0.179755	0.623888	Rbms3
ENSMUSG0ENSMUSG0	1387.41	0.120166	0.108761	1.104863	0.269219	0.711945	Tmem246
ENSMUSG0ENSMUSG0	8070.903	0.159204	0.099504	1.599971	0.109605	0.512855	Stub1
ENSMUSG0ENSMUSG0	515.846	0.023085	0.103033	0.224056	0.822713	0.961437	Gm7488
ENSMUSG0ENSMUSG0	590.0443	-0.09863	0.144309	-0.68345	0.494325	0.852929	Prex1
ENSMUSG0ENSMUSG0	608.0376	-0.23476	0.098552	-2.38206	0.017216	0.204196	Ap5z1
ENSMUSG0ENSMUSG0	2775.312	0.123132	0.122767	1.002977	0.315872	0.748791	Hs3st6

ENSMUSG0ENSMUSG0	236.5455	-0.05392	0.114336	-0.47157	0.637232	0.912752	Strip2
ENSMUSG0ENSMUSG0	8522.804	-0.05678	0.100658	-0.56409	0.572692	0.889939	Hnrnpu
ENSMUSG0ENSMUSG0	82.05705	0.144398	0.131142	1.101088	0.270858	0.713936	Ccdc151
ENSMUSG0ENSMUSG0	283.7086	0.049856	0.116068	0.429538	0.667532	0.925067	Zfp189
ENSMUSG0ENSMUSG0	1546.387	0.044334	0.097486	0.454767	0.649277	0.918645	Coro7
ENSMUSG0ENSMUSG0	2346.552	0.188165	0.108737	1.730453	0.083549	0.456096	Mrpl12
ENSMUSG0ENSMUSG0	940.6494	-0.04573	0.130034	-0.35166	0.725095	0.938024	Vasn
ENSMUSG0ENSMUSG0	280.8223	-0.0575	0.115591	-0.49742	0.618893	0.907335	Kyat1
ENSMUSG0ENSMUSG0	263.8602	0.172233	0.127139	1.354688	0.175517	0.617729	Cpeb3
ENSMUSG0ENSMUSG0	1713.252	-0.05688	0.083874	-0.67811	0.497702	0.853814	Rxrb
ENSMUSG0ENSMUSG0	1262.755	0.093353	0.076343	1.222806	0.221403	0.671829	Spout1
ENSMUSG0ENSMUSG0	2004.554	-0.15838	0.05804	-2.72883	0.006356	0.118991	Icmt
ENSMUSG0ENSMUSG0	180.0328	-0.06652	0.1317	-0.50505	0.613524	0.905485	Oxld1
ENSMUSG0ENSMUSG0	2721.701	0.071457	0.131669	0.542701	0.587336	0.894311	Zmynd8
ENSMUSG0ENSMUSG0	230.0148	0.156884	0.11618	1.350359	0.176901	0.619699	Capsl
ENSMUSG0ENSMUSG0	1223.566	0.15006	0.059482	2.522798	0.011643	0.167519	Tbc1d13
ENSMUSG0ENSMUSG0	672.5267	0.206587	0.134407	1.537019	0.124289	0.53891	Mrps6
ENSMUSG0ENSMUSG0	1967.526	0.001279	0.099627	0.012839	0.989756	0.998539	Lap3
ENSMUSG0ENSMUSG0	1115.503	-0.10075	0.103314	-0.9752	0.329459	0.755901	Sdk1
ENSMUSG0ENSMUSG0	1513.595	0.018066	0.076628	0.23576	0.813619	0.959305	Zer1
ENSMUSG0ENSMUSG0	265.2271	-0.21191	0.126121	-1.68024	0.092911	0.477855	Msantd3
ENSMUSG0ENSMUSG0	1023.186	0.111921	0.110294	1.014756	0.310222	0.744597	Ncoa7
ENSMUSG0ENSMUSG0	430.7648	-0.14213	0.12519	-1.13533	0.256235	0.702061	Usp53
ENSMUSG0ENSMUSG0	4217.734	0.107408	0.068615	1.565372	0.117496	0.527212	Nploc4
ENSMUSG0ENSMUSG0	220.4965	0.081616	0.14563	0.560432	0.575185	0.890536	Lmbrd2
ENSMUSG0ENSMUSG0	418.7843	-0.04347	0.094356	-0.46069	0.645022	0.915385	Plekhg5
ENSMUSG0ENSMUSG0	777.5613	-0.02643	0.119015	-0.22204	0.824284	0.961935	Wdr34
ENSMUSG0ENSMUSG0	211.8857	-0.05093	0.13803	-0.36894	0.712169	0.935647	Raly1
ENSMUSG0ENSMUSG0	588.4158	-0.06039	0.078768	-0.76667	0.443277	0.822591	Trp53rka
ENSMUSG0ENSMUSG0	685.3201	0.032108	0.087439	0.367202	0.713469	0.935647	Fnbp11
ENSMUSG0ENSMUSG0	731.0979	0.071165	0.130069	0.547135	0.584286	0.893087	Prkrip1
ENSMUSG0ENSMUSG0	1959.252	0.183846	0.076012	2.418649	0.015578	0.195709	Slx4
ENSMUSG0ENSMUSG0	5141.268	0.050744	0.086951	0.583593	0.559494	0.883752	Alg2
ENSMUSG0ENSMUSG0	524.3956	0.025279	0.117346	0.215421	0.829439	0.963218	Bahcc1
ENSMUSG0ENSMUSG0	1594.922	0.051834	0.096268	0.538438	0.590275	0.895584	Htatip2
ENSMUSG0ENSMUSG0	1754.271	0.545458	0.093736	5.81906	5.92E-09	5.65E-06	Orai2
ENSMUSG0ENSMUSG0	1258.992	-0.00414	0.108159	-0.03825	0.969489	0.995539	Exo1
ENSMUSG0ENSMUSG0	1196.41	-0.09096	0.087496	-1.03954	0.298553	0.736982	Fbxl5
ENSMUSG0ENSMUSG0	241.9377	0.162736	0.106147	1.533122	0.125246	0.541099	Alkbh4
ENSMUSG0ENSMUSG0	1491.759	0.096321	0.084116	1.145101	0.252167	0.698196	Dnttip2
ENSMUSG0ENSMUSG0	319.685	-0.12744	0.095516	-1.33427	0.182116	0.628217	Thap3
ENSMUSG0ENSMUSG0	90.87476	-0.43944	0.139951	-3.13992	0.00169	0.051339	Dnajc28
ENSMUSG0ENSMUSG0	598.5789	0.027058	0.132245	0.204603	0.837882	0.965548	Cc2d2a
ENSMUSG0ENSMUSG0	1854.752	-0.04345	0.075008	-0.57924	0.562427	0.885011	Dnajc11
ENSMUSG0ENSMUSG0	952.1593	-0.07714	0.10048	-0.76768	0.442677	0.822413	Ypel5
ENSMUSG0ENSMUSG0	1271.28	-0.10302	0.104459	-0.98623	0.324023	0.753647	Polr2j
ENSMUSG0ENSMUSG0	346.7235	-0.04377	0.091786	-0.47682	0.633491	0.91238	Galnt12
ENSMUSG0ENSMUSG0	1018.079	0.110463	0.114184	0.967411	0.333339	0.758918	Cep131
ENSMUSG0ENSMUSG0	857.2274	0.055388	0.109988	0.503586	0.614552	0.905841	Cpeb2
ENSMUSG0ENSMUSG0	694.0265	0.182401	0.094916	1.921703	0.054643	0.378336	Zfp597
ENSMUSG0ENSMUSG0	509.5996	-0.04564	0.126326	-0.36126	0.717905	0.935997	Zfand1
ENSMUSG0ENSMUSG0	1389.647	0.049005	0.105747	0.463418	0.643065	0.914852	2410089E0

ENSMUSG0ENSMUSG0	2070.028	0.000534	0.062681	0.008524	0.993199	0.998539	Ncoa5
ENSMUSG0ENSMUSG0	7251.072	-0.03134	0.09697	-0.3232	0.746543	0.941419	Gabbr2
ENSMUSG0ENSMUSG0	965.495	-0.19922	0.120768	-1.64961	0.099023	0.491242	Zc3h10
ENSMUSG0ENSMUSG0	246.5298	0.162217	0.092129	1.76076	0.078279	0.443892	Tbc1d2
ENSMUSG0ENSMUSG0	53.05946	-0.23554	0.14327	-1.64402	0.100171	0.493095	Xkr5
ENSMUSG0ENSMUSG0	889.9524	0.333563	0.088326	3.776498	0.000159	0.011309	Myl6b
ENSMUSG0ENSMUSG0	823.3139	-0.08602	0.080157	-1.0731	0.283224	0.724275	Trub2
ENSMUSG0ENSMUSG0	469.9756	0.12371	0.078093	1.584135	0.113163	0.518563	Wdr70
ENSMUSG0ENSMUSG0	311.8974	-0.03545	0.119055	-0.29778	0.76587	0.947876	Arhgap29
ENSMUSG0ENSMUSG0	1152.049	-0.10822	0.0993	-1.08988	0.275767	0.717573	Zfp335
ENSMUSG0ENSMUSG0	1187.038	-0.09592	0.116871	-0.82076	0.411785	0.805081	Nhs1
ENSMUSG0ENSMUSG0	1713.826	0.020353	0.097086	0.209639	0.83395	0.964464	Slc45a1
ENSMUSG0ENSMUSG0	1149.45	0.104702	0.088792	1.17919	0.238323	0.687563	Epg5
ENSMUSG0ENSMUSG0	448.5757	-0.10635	0.14344	-0.74144	0.458429	0.832245	Zfp800
ENSMUSG0ENSMUSG0	572.4884	0.100802	0.100877	0.99926	0.317669	0.750019	Mcph1
ENSMUSG0ENSMUSG0	3011.964	-0.09555	0.068602	-1.39289	0.163654	0.602799	Rapgef1
ENSMUSG0ENSMUSG0	2355.409	-0.05168	0.076522	-0.6754	0.499421	0.854881	Pcif1
ENSMUSG0ENSMUSG0	890.9	-0.14476	0.115857	-1.24948	0.21149	0.660665	Endov
ENSMUSG0ENSMUSG0	7360.635	0.013096	0.122902	0.106557	0.915141	0.984363	Rere
ENSMUSG0ENSMUSG0	72.04537	-0.16266	0.126876	-1.282	0.199843	0.647054	Trim14
ENSMUSG0ENSMUSG0	862.4184	-0.17986	0.085557	-2.10222	0.035534	0.304673	Srrm3
ENSMUSG0ENSMUSG0	4025.825	-0.03676	0.091206	-0.40305	0.686913	0.931173	Slc44a3
ENSMUSG0ENSMUSG0	43.02664	0.030948	0.141626	0.218523	0.827022	0.962625	Neurl2
ENSMUSG0ENSMUSG0	450.6765	-0.15892	0.145558	-1.09181	0.274917	0.716894	Heca
ENSMUSG0ENSMUSG0	2818.988	0.101207	0.144896	0.698483	0.484875	0.848425	Lrrc17
ENSMUSG0ENSMUSG0	480.2926	0.156676	0.1147	1.365961	0.171951	0.613744	Tmem120a
ENSMUSG0ENSMUSG0	736.2645	0.004984	0.113521	0.043908	0.964978	0.994842	Alg14
ENSMUSG0ENSMUSG0	413.411	-0.26871	0.145092	-1.85197	0.064031	0.40757	Fgl2
ENSMUSG0ENSMUSG0	568.5158	0.10307	0.103446	0.99636	0.319075	0.750366	9130011E1
ENSMUSG0ENSMUSG0	281.0829	0.130021	0.142347	0.913408	0.361028	0.778993	Eva1c
ENSMUSG0ENSMUSG0	38.78378	0.125281	0.14594	0.858441	0.390649	0.794806	Gpr37
ENSMUSG0ENSMUSG0	214.4413	0.166168	0.115374	1.44026	0.149794	0.582981	Slc26a11
ENSMUSG0ENSMUSG0	2240.915	-0.15622	0.140748	-1.1099	0.267042	0.710075	Cited2
ENSMUSG0ENSMUSG0	208.6142	-0.02593	0.116397	-0.22273	0.823743	0.961826	Spsb1
ENSMUSG0ENSMUSG0	49.84841	-0.05675	0.14601	-0.38866	0.697527	0.933661	Pak7
ENSMUSG0ENSMUSG0	1472.935	-0.06586	0.095473	-0.6898	0.490318	0.851511	Coq10a
ENSMUSG0ENSMUSG0	1788.98	-0.10494	0.111893	-0.9379	0.348293	0.770174	Rhbdd2
ENSMUSG0ENSMUSG0	1078.481	0.080458	0.089515	0.898818	0.36875	0.784563	Urb1
ENSMUSG0ENSMUSG0	331.7397	-0.16071	0.104086	-1.54398	0.122592	0.5355	Gsap
ENSMUSG0ENSMUSG0	279.3005	0.094673	0.124735	0.758991	0.447858	0.824078	Pik3cd
ENSMUSG0ENSMUSG0	59.88921	-0.01773	0.142627	-0.12434	0.901046	0.981243	Ptger4
ENSMUSG0ENSMUSG0	1270.341	-0.11111	0.09557	-1.16259	0.244995	0.693512	Plcb4
ENSMUSG0ENSMUSG0	4721.069	-0.00218	0.106828	-0.02044	0.983694	0.997439	Dag1
ENSMUSG0ENSMUSG0	5733.848	-0.00836	0.084355	-0.09906	0.921091	0.985705	Clstn1
ENSMUSG0ENSMUSG0	2776.952	-0.17141	0.129077	-1.32798	0.184185	0.631891	Stk32a
ENSMUSG0ENSMUSG0	82.11869	-0.00387	0.138942	-0.02784	0.977788	0.9965	Etfbkmt
ENSMUSG0ENSMUSG0	1111.685	0.104018	0.139924	0.743393	0.457244	0.831335	Hip1
ENSMUSG0ENSMUSG0	481.4352	-0.04753	0.13421	-0.35415	0.723229	0.937763	Rhou
ENSMUSG0ENSMUSG0	280.6268	-0.07507	0.126803	-0.59201	0.553844	0.881128	Ccdc40
ENSMUSG0ENSMUSG0	1421.793	-0.06294	0.145211	-0.43342	0.664713	0.924869	Zfp292
ENSMUSG0ENSMUSG0	591.8094	0.004151	0.09916	0.041857	0.966613	0.994967	Rsb1l1
ENSMUSG0ENSMUSG0	2749.515	-0.23857	0.092833	-2.5699	0.010173	0.154697	Tbc1d16

ENSMUSG0ENSMUSGC	164.1373	-0.07374	0.145984	-0.50511	0.613484	0.905485	Zc3h12d
ENSMUSG0ENSMUSGC	85.56723	-0.31363	0.139626	-2.24624	0.024689	0.250392	Dtx4
ENSMUSG0ENSMUSGC	519.7704	0.078494	0.100763	0.778995	0.435983	0.818279	Ccdc32
ENSMUSG0ENSMUSGC	652.3936	-0.27709	0.127352	-2.1758	0.02957	0.275635	Fam60a
ENSMUSG0ENSMUSGC	671.12	0.034882	0.098835	0.352932	0.724139	0.937852	Phtf2
ENSMUSG0ENSMUSGC	2281.72	0.038801	0.072516	0.535064	0.592606	0.895885	Ankrd13c
ENSMUSG0ENSMUSGC	1578.996	-0.06463	0.10384	-0.62237	0.533699	0.871788	Cbx4
ENSMUSG0ENSMUSGC	998.2964	0.0172	0.106367	0.161707	0.871536	0.975692	Edrf1
ENSMUSG0ENSMUSGC	1524.406	0.024357	0.090385	0.269485	0.787556	0.954125	Timeless
ENSMUSG0ENSMUSGC	318.8622	-0.23726	0.129587	-1.83088	0.067119	0.416339	Magi2
ENSMUSG0ENSMUSGC	2546.777	0.22252	0.081859	2.718327	0.006561	0.121812	Ginm1
ENSMUSG0ENSMUSGC	1349.329	0.139244	0.065206	2.135462	0.032723	0.290061	Bahd1
ENSMUSG0ENSMUSGC	1368.297	0.286356	0.104307	2.745312	0.006045	0.115275	Gnaz
ENSMUSG0ENSMUSGC	9175.176	0.148575	0.101016	1.470814	0.141341	0.571236	Slc7a5
ENSMUSG0ENSMUSGC	205.3794	-0.14964	0.139338	-1.07394	0.282851	0.72389	Ptger3
ENSMUSG0ENSMUSGC	1633.795	-0.13137	0.062352	-2.10698	0.035119	0.303099	Cox15
ENSMUSG0ENSMUSGC	2091.586	0.126546	0.109015	1.160814	0.245718	0.693666	Lats1
ENSMUSG0ENSMUSGC	579.4114	-0.24392	0.099974	-2.43985	0.014693	0.190243	Rab11fip2
ENSMUSG0ENSMUSGC	1268.501	0.000412	0.082207	0.005009	0.996004	0.998768	Ythdf2
ENSMUSG0ENSMUSGC	65.58773	-0.27065	0.12315	-2.19772	0.027969	0.268002	Saa3
ENSMUSG0ENSMUSGC	3259.85	0.114354	0.064176	1.781879	0.074769	0.43416	Elavl1
ENSMUSG0ENSMUSGC	1605.547	-0.04373	0.083836	-0.52164	0.601924	0.899589	Ipo8
ENSMUSG0ENSMUSGC	711.3654	-0.02541	0.112976	-0.22494	0.822026	0.961036	Stat2
ENSMUSG0ENSMUSGC	1091.627	0.403203	0.082357	4.895775	9.79E-07	0.000278	Nup43
ENSMUSG0ENSMUSGC	12057.68	0.117825	0.106884	1.102368	0.270302	0.713492	Disp2
ENSMUSG0ENSMUSGC	510.3947	0.0269	0.129324	0.208003	0.835227	0.964924	Negr1
ENSMUSG0ENSMUSGC	763.2064	0.188347	0.112952	1.667496	0.095416	0.485498	Ift88
ENSMUSG0ENSMUSGC	739.9288	0.146216	0.086015	1.699887	0.089152	0.470378	Rbms2
ENSMUSG0ENSMUSGC	1824.7	0.046204	0.083363	0.554251	0.579407	0.892779	Orc3
ENSMUSG0ENSMUSGC	3773.418	0.252906	0.136373	1.854514	0.063666	0.406021	Tph1
ENSMUSG0ENSMUSGC	3669.399	0.121535	0.105177	1.155527	0.247875	0.695559	Ndufb10
ENSMUSG0ENSMUSGC	2405.428	-0.05649	0.092852	-0.60837	0.542944	0.875214	Baz2a
ENSMUSG0ENSMUSGC	230.9428	0.02233	0.075744	0.294805	0.768143	0.948789	Ptges3-ps
ENSMUSG0ENSMUSGC	2423.833	0.051934	0.079371	0.654322	0.512905	0.861822	Bub1b
ENSMUSG0ENSMUSGC	254.7906	-0.68258	0.135788	-5.02677	4.99E-07	0.00018	Bmf
ENSMUSG0ENSMUSGC	1114.543	-0.05205	0.076856	-0.67723	0.498258	0.854018	Flywch1
ENSMUSG0ENSMUSGC	1192.49	0.108857	0.089322	1.218705	0.222956	0.673105	Klhl42
ENSMUSG0ENSMUSGC	1451.74	-0.13348	0.061292	-2.17785	0.029417	0.275559	Plpp6
ENSMUSG0ENSMUSGC	1679.247	-0.12717	0.109653	-1.15973	0.24616	0.69389	Gramd1b
ENSMUSG0ENSMUSGC	773.799	0.151121	0.115472	1.308722	0.190628	0.638189	Mrps35
ENSMUSG0ENSMUSGC	3256.944	0.044519	0.061581	0.722936	0.469719	0.839782	Cacna2d1
ENSMUSG0ENSMUSGC	38.72178	-0.00895	0.14589	-0.06134	0.951091	0.991749	Rep15
ENSMUSG0ENSMUSGC	1268.61	-0.03073	0.082293	-0.37344	0.70882	0.934791	Zmym5
ENSMUSG0ENSMUSGC	506.4611	0.042582	0.095894	0.444048	0.657008	0.921341	Gorab
ENSMUSG0ENSMUSGC	949.3447	-0.15709	0.145859	-1.07704	0.281464	0.722137	Pnrc1
ENSMUSG0ENSMUSGC	42628.79	-0.07634	0.1033	-0.73905	0.459879	0.832373	Abcc8
ENSMUSG0ENSMUSGC	106.4	0.082502	0.130728	0.631096	0.527977	0.868933	9430038101
ENSMUSG0ENSMUSGC	1089.141	0.128852	0.09262	1.391186	0.164169	0.603036	Rgl3
ENSMUSG0ENSMUSGC	11993.03	0.213511	0.112481	1.898186	0.057672	0.387668	Maob
ENSMUSG0ENSMUSGC	1647.404	-0.04417	0.074665	-0.59151	0.554178	0.881343	Hs2st1
ENSMUSG0ENSMUSGC	50.19289	0.014424	0.145126	0.099392	0.920827	0.985705	Thbs1
ENSMUSG0ENSMUSGC	960.9465	-0.13938	0.106056	-1.31423	0.188768	0.636222	Tax1bp3

ENSMUSG0ENSMUSG0	1495.974	0.015659	0.145713	0.107467	0.914419	0.984092	Cd209c
ENSMUSG0ENSMUSG0	819.6599	0.006701	0.115909	0.057809	0.953901	0.992357	Ikzf5
ENSMUSG0ENSMUSG0	862.3575	-0.03308	0.106619	-0.31029	0.756339	0.944671	Alkbh3
ENSMUSG0ENSMUSG0	893.0484	-0.02894	0.112669	-0.25685	0.797292	0.955973	2310057M1
ENSMUSG0ENSMUSG0	172.6735	-0.05395	0.123421	-0.43714	0.662013	0.924287	Fmo1
ENSMUSG0ENSMUSG0	74.16299	-0.08111	0.145865	-0.55608	0.578158	0.891994	Arntl2
ENSMUSG0ENSMUSG0	1913.918	0.232041	0.083814	2.768541	0.005631	0.112004	Scamp2
ENSMUSG0ENSMUSG0	672.4503	-0.12129	0.101822	-1.19125	0.233557	0.68322	Nemp1
ENSMUSG0ENSMUSG0	4894.072	0.183957	0.072486	2.537833	0.011154	0.163343	Pclaf
ENSMUSG0ENSMUSG0	1607.764	-0.18482	0.123891	-1.49177	0.135758	0.561648	Zfp704
ENSMUSG0ENSMUSG0	121.1569	-0.18642	0.142653	-1.30682	0.191272	0.63851	Emp3
ENSMUSG0ENSMUSG0	191.9813	-0.19792	0.139754	-1.41621	0.156715	0.595338	Kyat3
ENSMUSG0ENSMUSG0	1267.975	0.093923	0.10216	0.919368	0.357903	0.776143	Gas8
ENSMUSG0ENSMUSG0	4376.8	-0.00171	0.102605	-0.01671	0.986672	0.998041	Prrc2c
ENSMUSG0ENSMUSG0	72.5808	-0.18207	0.13379	-1.36087	0.173556	0.615486	Syngn4
ENSMUSG0ENSMUSG0	729.7384	-0.20206	0.121631	-1.66123	0.096667	0.486525	Tm7sf3
ENSMUSG0ENSMUSG0	1140.454	-0.01268	0.099424	-0.12756	0.898497	0.981094	Trappc5
ENSMUSG0ENSMUSG0	1997.761	-0.13283	0.071525	-1.85718	0.063286	0.404949	Fgfr1op2
ENSMUSG0ENSMUSG0	305.2928	-0.04645	0.143129	-0.32452	0.745543	0.941322	Lrp1
ENSMUSG0ENSMUSG0	1486.837	0.159512	0.063978	2.493209	0.012659	0.174812	Ints13
ENSMUSG0ENSMUSG0	76.79749	-0.13773	0.145768	-0.94484	0.344739	0.766383	Gbp7
ENSMUSG0ENSMUSG0	56.92288	0.189025	0.145148	1.302292	0.192817	0.639447	Nxph4
ENSMUSG0ENSMUSG0	1359.763	-0.12966	0.083533	-1.55221	0.120612	0.533406	Klhdc4
ENSMUSG0ENSMUSG0	110.0966	0.2897	0.134207	2.1586	0.030881	0.28196	Gbp2b
ENSMUSG0ENSMUSG0	5231.076	-0.00474	0.106066	-0.04466	0.964375	0.994711	Plekha1
ENSMUSG0ENSMUSG0	816.2441	0.080148	0.11664	0.687141	0.491994	0.852803	Mrps28
ENSMUSG0ENSMUSG0	262.9978	0.081334	0.1361	0.597602	0.550106	0.879141	Bach2
ENSMUSG0ENSMUSG0	249.9194	-0.22096	0.122825	-1.79899	0.07202	0.428814	Accs
ENSMUSG0ENSMUSG0	1704.978	-0.02747	0.121648	-0.22579	0.821365	0.960727	Pacs1n1
ENSMUSG0ENSMUSG0	681.6925	0.070715	0.072559	0.974595	0.329761	0.756205	BC052040
ENSMUSG0ENSMUSG0	435.3626	0.100922	0.140081	0.720455	0.471245	0.840669	Hey1
ENSMUSG0ENSMUSG0	176.7706	-0.25453	0.13571	-1.87552	0.060721	0.396898	Ddx58
ENSMUSG0ENSMUSG0	3189.103	0.123304	0.103763	1.188324	0.234706	0.68322	Suco
ENSMUSG0ENSMUSG0	480.9113	-0.00488	0.1174	-0.04158	0.966831	0.994967	Rbm48
ENSMUSG0ENSMUSG0	1415.747	-0.02753	0.076635	-0.35923	0.719421	0.936367	Cchcr1
ENSMUSG0ENSMUSG0	412.1401	0.010709	0.129271	0.082841	0.933978	0.986608	Zfp770
ENSMUSG0ENSMUSG0	254.7443	-0.1342	0.116667	-1.15027	0.250033	0.697016	Slc25a24
ENSMUSG0ENSMUSG0	1732.201	-0.01346	0.08173	-0.16469	0.869185	0.974861	Dcaf1
ENSMUSG0ENSMUSG0	1165.293	-0.04218	0.104121	-0.40512	0.685392	0.931173	Cul9
ENSMUSG0ENSMUSG0	2907.488	0.032339	0.077964	0.414798	0.67829	0.928688	Nsmce4a
ENSMUSG0ENSMUSG0	376.4173	-0.02506	0.116753	-0.21465	0.830041	0.963218	Fam102b
ENSMUSG0ENSMUSG0	122.0093	-0.02272	0.133418	-0.17027	0.864794	0.973828	Trim7
ENSMUSG0ENSMUSG0	1710.012	0.110702	0.104401	1.060352	0.288984	0.728677	Ankib1
ENSMUSG0ENSMUSG0	4038.751	0.08783	0.130177	0.674691	0.499872	0.855025	Mars
ENSMUSG0ENSMUSG0	2976.838	0.007898	0.068245	0.115726	0.907869	0.982427	Skiv2l
ENSMUSG0ENSMUSG0	1741.409	-0.11097	0.096909	-1.14507	0.25218	0.698196	Ufl1
ENSMUSG0ENSMUSG0	2322.836	-0.08368	0.080685	-1.03711	0.299686	0.737987	Bcor
ENSMUSG0ENSMUSG0	1670.28	-0.03895	0.096752	-0.40258	0.687256	0.931173	Trim41
ENSMUSG0ENSMUSG0	567.5796	0.023198	0.104096	0.222852	0.82365	0.961801	Etfrf1
ENSMUSG0ENSMUSG0	1611.96	-0.08628	0.094209	-0.91584	0.359752	0.777277	Pex2
ENSMUSG0ENSMUSG0	112.7264	-0.1305	0.138151	-0.94462	0.344851	0.766383	Cbln3
ENSMUSG0ENSMUSG0	2472.449	-0.08102	0.080293	-1.009	0.312973	0.746673	Aqr

ENSMUSG0ENSMUSG0	6575.179	-0.12989	0.08784	-1.47873	0.139212	0.567677	Ppp1ca
ENSMUSG0ENSMUSG0	1749.04	0.127323	0.090395	1.408523	0.158976	0.59683	Klhl32
ENSMUSG0ENSMUSG0	1161.466	0.100022	0.110139	0.908145	0.363802	0.781416	Wdr47
ENSMUSG0ENSMUSG0	1805.612	-0.00578	0.099537	-0.05805	0.953711	0.992357	Map3k10
ENSMUSG0ENSMUSG0	1398.01	-0.03364	0.072674	-0.46293	0.643418	0.914944	Abhd13
ENSMUSG0ENSMUSG0	2240.999	-0.11191	0.10468	-1.06903	0.285055	0.725657	Akap9
ENSMUSG0ENSMUSG0	631.0346	-0.11348	0.077718	-1.46019	0.144238	0.573946	Fbxl4
ENSMUSG0ENSMUSG0	7638.474	-0.14386	0.081606	-1.76285	0.077926	0.442349	5330417C2
ENSMUSG0ENSMUSG0	977.0426	-0.03678	0.086249	-0.42649	0.669752	0.925331	Slc25a28
ENSMUSG0ENSMUSG0	2556.226	-0.02446	0.08563	-0.28559	0.775193	0.950088	Dtx3
ENSMUSG0ENSMUSG0	122.273	0.248293	0.138723	1.789846	0.073479	0.431352	Cdh18
ENSMUSG0ENSMUSG0	1272.703	-0.06454	0.092217	-0.69992	0.483976	0.848211	Rc3h1
ENSMUSG0ENSMUSG0	145.1866	-0.12605	0.122794	-1.0265	0.304656	0.740425	Mterf1a
ENSMUSG0ENSMUSG0	792.7901	0.111577	0.121921	0.91516	0.360108	0.777635	Zbtb38
ENSMUSG0ENSMUSG0	998.826	0.041543	0.073906	0.562111	0.57404	0.890304	Large2
ENSMUSG0ENSMUSG0	951.3937	0.10241	0.138232	0.740857	0.45878	0.832245	Ppp1r15a
ENSMUSG0ENSMUSG0	237.5958	-0.10687	0.112466	-0.95025	0.341987	0.764758	Slc26a10
ENSMUSG0ENSMUSG0	3469.46	0.321567	0.068304	4.707895	2.50E-06	0.000558	Rprd1a
ENSMUSG0ENSMUSG0	53.53159	-0.37671	0.145817	-2.58347	0.009781	0.151369	Spns2
ENSMUSG0ENSMUSG0	452.8765	0.077216	0.135493	0.569888	0.568754	0.888146	Sgms1
ENSMUSG0ENSMUSG0	1186.481	-0.07831	0.103974	-0.75319	0.451335	0.82689	Usp45
ENSMUSG0ENSMUSG0	3354.573	0.006758	0.065294	0.103493	0.917571	0.984558	Arglu1
ENSMUSG0ENSMUSG0	7585.876	-0.10329	0.069496	-1.4862	0.137226	0.564225	Os9
ENSMUSG0ENSMUSG0	3610.291	0.157725	0.081835	1.927358	0.053935	0.37568	Mybbp1a
ENSMUSG0ENSMUSG0	485.605	0.047029	0.083909	0.560482	0.575151	0.890536	Gtpbp10
ENSMUSG0ENSMUSG0	285.3108	0.141838	0.145996	0.971519	0.33129	0.757395	Blvrb
ENSMUSG0ENSMUSG0	950.7859	0.009846	0.079194	0.124324	0.901059	0.981243	Rabggta
ENSMUSG0ENSMUSG0	81.86168	-0.12328	0.142933	-0.86247	0.388428	0.794026	Cfap69
ENSMUSG0ENSMUSG0	2635.663	0.103652	0.089264	1.161188	0.245565	0.693666	Dgkz
ENSMUSG0ENSMUSG0	2443.151	-0.00087	0.077794	-0.01115	0.991106	0.998539	Bptf
ENSMUSG0ENSMUSG0	1652.616	0.137613	0.071383	1.927813	0.053878	0.37568	Dxo
ENSMUSG0ENSMUSG0	367.232	-0.13894	0.145983	-0.95174	0.341231	0.763898	Ltbp4
ENSMUSG0ENSMUSG0	192.0984	-0.04492	0.108659	-0.41337	0.679335	0.928688	Chrm4
ENSMUSG0ENSMUSG0	1467.957	0.00107	0.072947	0.014662	0.988302	0.998385	Mar-09
ENSMUSG0ENSMUSG0	1631.819	-0.02776	0.083212	-0.3336	0.738685	0.940232	Ambra1
ENSMUSG0ENSMUSG0	495.4973	-0.12078	0.119974	-1.00674	0.31406	0.747209	Pvr
ENSMUSG0ENSMUSG0	537.1761	0.017833	0.097317	0.183249	0.854603	0.970614	Manea
ENSMUSG0ENSMUSG0	925.3259	0.120074	0.086036	1.395631	0.162826	0.601739	Tsfm
ENSMUSG0ENSMUSG0	1114.409	-0.05883	0.123679	-0.47564	0.634327	0.912468	Zfp609
ENSMUSG0ENSMUSG0	563.1379	0.048006	0.127118	0.377647	0.705693	0.934791	Abhd11
ENSMUSG0ENSMUSG0	279.3486	0.06286	0.118961	0.528406	0.597217	0.89784	Necab1
ENSMUSG0ENSMUSG0	2034.893	0.010454	0.119238	0.087673	0.930136	0.985896	Adam22
ENSMUSG0ENSMUSG0	510.8545	-0.41193	0.117822	-3.49616	0.000472	0.023196	Pitpnm3
ENSMUSG0ENSMUSG0	2347.992	0.081642	0.083587	0.976732	0.328702	0.755405	Tex2
ENSMUSG0ENSMUSG0	5134.673	0.01395	0.086464	0.161337	0.871828	0.975692	Ckap5
ENSMUSG0ENSMUSG0	2290.399	0.24024	0.067431	3.562735	0.000367	0.019391	Otud6b
ENSMUSG0ENSMUSG0	136.045	-0.39652	0.140948	-2.81325	0.004904	0.102353	Mettl27
ENSMUSG0ENSMUSG0	2097.465	0.161851	0.102049	1.586018	0.112735	0.518563	Wdr7
ENSMUSG0ENSMUSG0	321.4436	0.000256	0.116901	0.002194	0.99825	0.998981	Gstm2
ENSMUSG0ENSMUSG0	1704.665	-0.01946	0.103728	-0.18759	0.8512	0.969606	Plppr2
ENSMUSG0ENSMUSG0	1606.168	0.062461	0.110131	0.567151	0.570612	0.889074	Btaf1
ENSMUSG0ENSMUSG0	929.074	-0.16173	0.10988	-1.47191	0.141045	0.57119	Rundc3b

ENSMUSG0ENSMUSGC	110.7604	-0.00611	0.123534	-0.0495	0.960524	0.993938	Abcb1a
ENSMUSG0ENSMUSGC	781.7135	-0.13369	0.087961	-1.51988	0.128542	0.54761	Odf1
ENSMUSG0ENSMUSGC	1232.208	0.105668	0.111449	0.948124	0.343066	0.765528	1110051M:
ENSMUSG0ENSMUSGC	629.8619	-0.04797	0.087263	-0.54975	0.582494	0.892926	Ranbp17
ENSMUSG0ENSMUSGC	1134.656	-0.14739	0.087325	-1.68787	0.091436	0.474778	Pogk
ENSMUSG0ENSMUSGC	2014.449	0.127824	0.078726	1.623667	0.104447	0.501644	Mis12
ENSMUSG0ENSMUSGC	41866.21	-0.10964	0.123473	-0.88797	0.374556	0.787458	Bace2
ENSMUSG0ENSMUSGC	407.8743	0.131564	0.103347	1.273035	0.203006	0.650454	Kazn
ENSMUSG0ENSMUSGC	384.0109	-0.28918	0.115422	-2.5054	0.012231	0.171688	Illdr2
ENSMUSG0ENSMUSGC	899.8405	-0.18993	0.122713	-1.54774	0.121685	0.534351	Apobec1
ENSMUSG0ENSMUSGC	2793.329	0.251259	0.063625	3.949047	7.85E-05	0.0069	Tmem51
ENSMUSG0ENSMUSGC	5223.062	0.003675	0.140477	0.026163	0.979127	0.996602	Pck2
ENSMUSG0ENSMUSGC	797.8054	-0.01185	0.099245	-0.11938	0.904977	0.982338	Dhx33
ENSMUSG0ENSMUSGC	415.3449	-0.00017	0.086571	-0.00196	0.998435	0.998981	Gemin8
ENSMUSG0ENSMUSGC	115.0592	0.009745	0.144134	0.067607	0.946098	0.989708	Plekhg1
ENSMUSG0ENSMUSGC	257.2471	0.065213	0.103019	0.633023	0.526719	0.868304	Dok4
ENSMUSG0ENSMUSGC	433.1547	-0.12997	0.083739	-1.55208	0.120643	0.533406	Erc2
ENSMUSG0ENSMUSGC	1223.393	-0.06748	0.105754	-0.63805	0.523439	0.86723	Ppip5k2
ENSMUSG0ENSMUSGC	1290.709	-0.04742	0.104648	-0.45318	0.650422	0.918867	Fam208a
ENSMUSG0ENSMUSGC	3123.527	-0.0142	0.06904	-0.20568	0.837039	0.965541	Oaz2
ENSMUSG0ENSMUSGC	53.76569	-0.17716	0.145248	-1.21968	0.222588	0.672985	Ppp1r14c
ENSMUSG0ENSMUSGC	1353.741	0.022924	0.078969	0.290293	0.771592	0.949297	Dnph1
ENSMUSG0ENSMUSGC	1043.028	-0.01513	0.085248	-0.17745	0.859159	0.972503	Efhd2
ENSMUSG0ENSMUSGC	640.3951	-0.18625	0.100838	-1.847	0.064747	0.410694	Rad54l2
ENSMUSG0ENSMUSGC	55.79526	-0.00417	0.144511	-0.02885	0.976988	0.996317	Sh3bgr
ENSMUSG0ENSMUSGC	3507.572	0.093262	0.072388	1.28836	0.197621	0.644763	Nup88
ENSMUSG0ENSMUSGC	1757.936	-0.05878	0.094726	-0.62048	0.534944	0.87213	Phc1
ENSMUSG0ENSMUSGC	2350.338	0.145353	0.093469	1.555084	0.119926	0.531869	Mthfd1l
ENSMUSG0ENSMUSGC	10823.5	-0.02404	0.069839	-0.34415	0.730732	0.938791	Hmgn1
ENSMUSG0ENSMUSGC	5292.66	-0.11214	0.134046	-0.83658	0.402831	0.799981	Madd
ENSMUSG0ENSMUSGC	1835.581	0.17645	0.120286	1.466923	0.142397	0.571875	Tbl3
ENSMUSG0ENSMUSGC	712.6368	-0.00469	0.142714	-0.03283	0.973809	0.995862	Col16a1
ENSMUSG0ENSMUSGC	830.0914	-0.09969	0.093105	-1.07068	0.284313	0.725105	Dnaja16
ENSMUSG0ENSMUSGC	943.2221	-0.23781	0.094967	-2.50413	0.012275	0.171688	Limd2
ENSMUSG0ENSMUSGC	1092.636	0.015284	0.123879	0.123379	0.901807	0.981696	Ap1g2
ENSMUSG0ENSMUSGC	317.7022	-0.19857	0.145165	-1.36791	0.17134	0.612871	Cyp2s1
ENSMUSG0ENSMUSGC	103.6102	0.021187	0.127833	0.165741	0.868361	0.974598	A930016O2
ENSMUSG0ENSMUSGC	268.2331	0.046298	0.122399	0.378259	0.705238	0.934791	St8sia4
ENSMUSG0ENSMUSGC	460.2815	0.239196	0.119479	2.001992	0.045286	0.342576	Sh3pxd2b
ENSMUSG0ENSMUSGC	2004.99	0.018789	0.094112	0.199648	0.841756	0.966812	Camta2
ENSMUSG0ENSMUSGC	3262.116	0.022476	0.1271	0.176836	0.859638	0.972503	Creg1
ENSMUSG0ENSMUSGC	322.7844	0.06335	0.097852	0.647407	0.517369	0.86381	Klc3
ENSMUSG0ENSMUSGC	177.5906	0.297987	0.14309	2.082521	0.037295	0.313141	Rsc1a1
ENSMUSG0ENSMUSGC	179.4638	0.161327	0.127315	1.267144	0.205104	0.653023	Il17rd
ENSMUSG0ENSMUSGC	1913.724	0.024839	0.084782	0.292979	0.769538	0.949297	Virma
ENSMUSG0ENSMUSGC	3039.581	0.067435	0.113436	0.594478	0.552193	0.880447	Zfhx2
ENSMUSG0ENSMUSGC	3801.255	-0.08884	0.071252	-1.24689	0.212437	0.662162	Scamp5
ENSMUSG0ENSMUSGC	61.90265	0.00401	0.086373	0.046431	0.962967	0.994289	Kcna2
ENSMUSG0ENSMUSGC	6757.985	-0.10512	0.066351	-1.58433	0.113118	0.518563	Hnrnpul1
ENSMUSG0ENSMUSGC	3363.68	0.072237	0.095444	0.756854	0.449138	0.825127	Esrp1
ENSMUSG0ENSMUSGC	744.7954	0.310635	0.144656	2.147403	0.031761	0.286086	Cep126
ENSMUSG0ENSMUSGC	13156.96	0.048057	0.059328	0.810028	0.417924	0.810092	Eif4h

ENSMUSG0ENSMUSGC	516.0444	0.105829	0.124726	0.84849	0.396165	0.797159	Ppp1r13l
ENSMUSG0ENSMUSGC	1459.809	0.042932	0.10361	0.414359	0.678612	0.928688	Ints8
ENSMUSG0ENSMUSGC	2967.016	-0.08649	0.076711	-1.1275	0.259532	0.704211	Rnf167
ENSMUSG0ENSMUSGC	535.2209	0.046812	0.078208	0.598559	0.549467	0.878535	Siah1b
ENSMUSG0ENSMUSGC	1531.775	0.095991	0.09531	1.007149	0.313863	0.747209	Appl1
ENSMUSG0ENSMUSGC	1720.523	-0.15235	0.124876	-1.21999	0.222469	0.672792	Spen
ENSMUSG0ENSMUSGC	650.9292	0.157068	0.12056	1.302824	0.192635	0.639447	Snrnp25
ENSMUSG0ENSMUSGC	920.3798	-0.05078	0.085412	-0.59457	0.552128	0.880447	Oard1
ENSMUSG0ENSMUSGC	819.208	-0.04699	0.107828	-0.43577	0.663005	0.924638	Cept1
ENSMUSG0ENSMUSGC	2929.851	0.051074	0.105612	0.483597	0.628672	0.910993	Rfwd2
ENSMUSG0ENSMUSGC	6884.242	0.074792	0.093338	0.801304	0.422956	0.813007	Ttc3
ENSMUSG0ENSMUSGC	101.2398	-0.06758	0.145166	-0.46555	0.641538	0.914411	C1qtnf4
ENSMUSG0ENSMUSGC	439.1254	0.020502	0.114825	0.178548	0.858293	0.972271	Iqcc
ENSMUSG0ENSMUSGC	1473.872	-0.04163	0.100061	-0.41608	0.677354	0.927968	Iqsec3
ENSMUSG0ENSMUSGC	1766.849	0.011773	0.130291	0.090359	0.928002	0.985705	Eml2
ENSMUSG0ENSMUSGC	42.96254	0.022808	0.144754	0.157561	0.874803	0.97593	Agbl2
ENSMUSG0ENSMUSGC	2254.271	0.077215	0.11757	0.65676	0.511335	0.860852	Tex264
ENSMUSG0ENSMUSGC	1215.649	-0.42679	0.090453	-4.71836	2.38E-06	0.000548	Dennd6a
ENSMUSG0ENSMUSGC	514.1362	-0.10081	0.136721	-0.73737	0.460899	0.833447	Hlcs
ENSMUSG0ENSMUSGC	907.5625	0.128819	0.072668	1.77271	0.076277	0.438534	1700123O2
ENSMUSG0ENSMUSGC	2662.097	0.193378	0.114853	1.683695	0.092241	0.476975	Snrpd2
ENSMUSG0ENSMUSGC	178.3515	-0.08424	0.146011	-0.57693	0.563985	0.885572	Catsperd
ENSMUSG0ENSMUSGC	427.4736	-0.10451	0.116001	-0.90094	0.36762	0.78373	Gpr161
ENSMUSG0ENSMUSGC	50.33163	-0.09557	0.144126	-0.66312	0.507253	0.85875	4930579G1
ENSMUSG0ENSMUSGC	436.0964	-0.00894	0.095682	-0.09344	0.925555	0.985705	Six5
ENSMUSG0ENSMUSGC	3047.135	-0.00684	0.069263	-0.09869	0.921387	0.985705	Szrd1
ENSMUSG0ENSMUSGC	1726.565	0.076194	0.076519	0.995759	0.319367	0.750368	Tiprl
ENSMUSG0ENSMUSGC	1128.462	0.219538	0.091679	2.394642	0.016637	0.202349	Sft2d2
ENSMUSG0ENSMUSGC	4724.474	-0.02696	0.10548	-0.25555	0.798295	0.956402	Psme4
ENSMUSG0ENSMUSGC	416.997	-0.2742	0.146007	-1.87801	0.060379	0.396425	Plekhh2
ENSMUSG0ENSMUSGC	525.179	-0.17256	0.113884	-1.51524	0.129711	0.549048	Reps2
ENSMUSG0ENSMUSGC	327.8673	0.026499	0.086174	0.307511	0.758455	0.945377	Dlk1
ENSMUSG0ENSMUSGC	399.0927	-0.28724	0.107508	-2.67181	0.007544	0.131386	Erf
ENSMUSG0ENSMUSGC	1776.352	0.005957	0.085012	0.070077	0.944133	0.989278	Bsdcl
ENSMUSG0ENSMUSGC	1531.568	0.014047	0.108618	0.129325	0.897101	0.98034	Crocc
ENSMUSG0ENSMUSGC	1191.407	0.049531	0.09914	0.49961	0.61735	0.907005	Ino80d
ENSMUSG0ENSMUSGC	295.131	0.017637	0.110068	0.160237	0.872694	0.975847	Osbpl10
ENSMUSG0ENSMUSGC	544.3638	-0.15235	0.100759	-1.51206	0.130519	0.550711	Wdr25
ENSMUSG0ENSMUSGC	669.18	0.014815	0.125783	0.117784	0.906239	0.982338	Tmem205
ENSMUSG0ENSMUSGC	1008.098	0.086563	0.092595	0.934858	0.349861	0.771455	Gfer
ENSMUSG0ENSMUSGC	345.118	0.185013	0.086983	2.127	0.03342	0.293631	Foxa3
ENSMUSG0ENSMUSGC	275.6359	0.034324	0.109698	0.312901	0.754356	0.944073	Gm21988
ENSMUSG0ENSMUSGC	370.4759	0.349142	0.123929	2.817277	0.004843	0.102114	Atp1a3
ENSMUSG0ENSMUSGC	581.0216	-0.09744	0.137478	-0.70873	0.478491	0.844313	Fbxw4
ENSMUSG0ENSMUSGC	967.9466	0.292361	0.143492	2.037473	0.041603	0.331014	Slc19a2
ENSMUSG0ENSMUSGC	1389.656	-0.09034	0.07624	-1.18489	0.236062	0.684925	S100pbp
ENSMUSG0ENSMUSGC	565.4242	-0.16079	0.12967	-1.24002	0.214968	0.665774	Rfx3
ENSMUSG0ENSMUSGC	302.2622	0.145364	0.127503	1.140084	0.254251	0.700275	Ulk4
ENSMUSG0ENSMUSGC	2325.942	-0.13446	0.088597	-1.51766	0.129101	0.548334	Arhgef1
ENSMUSG0ENSMUSGC	1102.412	-0.07832	0.123469	-0.63433	0.525865	0.868304	Tet2
ENSMUSG0ENSMUSGC	4100.451	-0.05573	0.120706	-0.46169	0.644304	0.915153	Rcc2
ENSMUSG0ENSMUSGC	8660.958	0.112878	0.113864	0.991346	0.321517	0.751743	Rps19

ENSMUSG0ENSMUSG0	118.5004	-0.08832	0.136646	-0.64634	0.518059	0.863995	Cables1
ENSMUSG0ENSMUSG0	367.8163	0.124941	0.12072	1.034966	0.300685	0.738969	Arhgef10l
ENSMUSG0ENSMUSG0	58.73784	-0.00395	0.142272	-0.02774	0.977872	0.99651	Igsf21
ENSMUSG0ENSMUSG0	39.28323	-0.25288	0.14509	-1.74294	0.081344	0.450985	Gm11992
ENSMUSG0ENSMUSG0	2916.044	0.139901	0.137576	1.016899	0.309202	0.743522	Sh3kbp1
ENSMUSG0ENSMUSG0	1322.289	0.052742	0.072545	0.727028	0.467208	0.838054	Abhd4
ENSMUSG0ENSMUSG0	103.9841	0.417719	0.144408	2.892627	0.00382	0.088966	Npnt
ENSMUSG0ENSMUSG0	1480.66	0.189654	0.098547	1.924503	0.054292	0.3768	Trim62
ENSMUSG0ENSMUSG0	115.1947	-0.37723	0.145603	-2.5908	0.009575	0.149523	Cmtm8
ENSMUSG0ENSMUSG0	37.43171	-0.3396	0.144524	-2.34977	0.018785	0.216061	Nrg3
ENSMUSG0ENSMUSG0	1703.223	0.009173	0.100102	0.091637	0.926986	0.985705	Map7d2
ENSMUSG0ENSMUSG0	171.2642	-0.2702	0.113187	-2.3872	0.016977	0.203528	Iffo2
ENSMUSG0ENSMUSG0	8012.037	0.098264	0.120116	0.818073	0.413316	0.807129	Ghitm
ENSMUSG0ENSMUSG0	928.213	0.096184	0.10584	0.908763	0.363475	0.781093	Gm17018
ENSMUSG0ENSMUSG0	1546.674	0.057077	0.08301	0.687597	0.491707	0.852803	Irgq
ENSMUSG0ENSMUSG0	585.7531	0.027868	0.093248	0.298859	0.765048	0.947561	Fam117b
ENSMUSG0ENSMUSG0	256.4329	0.478901	0.142025	3.37194	0.000746	0.030833	Ramp3
ENSMUSG0ENSMUSG0	1436.298	0.08055	0.062901	1.280575	0.200343	0.647795	Wdr43
ENSMUSG0ENSMUSG0	1079.359	0.091655	0.095552	0.959217	0.337449	0.760159	Wwp1
ENSMUSG0ENSMUSG0	610.1395	-0.11655	0.075265	-1.54853	0.121494	0.534218	Pif1
ENSMUSG0ENSMUSG0	1312.469	0.135798	0.136888	0.992035	0.32118	0.751482	Nacad
ENSMUSG0ENSMUSG0	1033.398	0.108344	0.142316	0.761293	0.446482	0.824037	Fzd7
ENSMUSG0ENSMUSG0	179.1547	-0.05587	0.142798	-0.39128	0.695587	0.933115	Grid1
ENSMUSG0ENSMUSG0	438.5	-0.01255	0.107975	-0.11624	0.907464	0.982338	Rwdd2b
ENSMUSG0ENSMUSG0	6128.417	0.168373	0.093633	1.798226	0.072141	0.429042	Ostc
ENSMUSG0ENSMUSG0	2516.008	0.161397	0.096207	1.677609	0.093423	0.479382	Tspyl2
ENSMUSG0ENSMUSG0	348.581	-0.00718	0.124123	-0.05788	0.953842	0.992357	Elmo1
ENSMUSG0ENSMUSG0	369.1279	0.006679	0.106701	0.062597	0.950087	0.991323	Iqsec2
ENSMUSG0ENSMUSG0	385.269	-0.11203	0.126039	-0.88883	0.374095	0.787458	Ccdc8
ENSMUSG0ENSMUSG0	137.254	0.098996	0.145951	0.678287	0.497589	0.853814	Pde9a
ENSMUSG0ENSMUSG0	89.91752	-0.19484	0.133483	-1.45967	0.144382	0.574049	Nbl1
ENSMUSG0ENSMUSG0	2026.686	0.117257	0.057415	2.042279	0.041124	0.329756	Msantd4
ENSMUSG0ENSMUSG0	2400.298	0.058926	0.091687	0.642688	0.520426	0.865425	H2afv
ENSMUSG0ENSMUSG0	2373.391	0.043649	0.113541	0.38444	0.700653	0.934077	Zfp598
ENSMUSG0ENSMUSG0	133.4647	-0.07407	0.137452	-0.53885	0.589989	0.895584	N4bp2l1
ENSMUSG0ENSMUSG0	5740.1	-0.04186	0.052828	-0.79238	0.42814	0.815002	Smc1a
ENSMUSG0ENSMUSG0	425.4423	-0.03042	0.094068	-0.3234	0.746392	0.941322	Ripk2
ENSMUSG0ENSMUSG0	4004.767	0.035554	0.081833	0.434466	0.66395	0.924679	Pnmal1
ENSMUSG0ENSMUSG0	181.626	-0.00553	0.100156	-0.05524	0.955949	0.992734	Tmco4
ENSMUSG0ENSMUSG0	50.68403	-0.12868	0.143464	-0.89694	0.369751	0.784801	Dnah7b
ENSMUSG0ENSMUSG0	940.0019	0.076527	0.080353	0.95239	0.340899	0.763821	Brca2
ENSMUSG0ENSMUSG0	671.8492	-0.21035	0.099738	-2.10898	0.034946	0.302936	Osgin2
ENSMUSG0ENSMUSG0	386.4093	0.047727	0.132347	0.360617	0.718386	0.935997	Otud3
ENSMUSG0ENSMUSG0	4497.079	0.067506	0.072966	0.925172	0.354876	0.774327	Zmiz2
ENSMUSG0ENSMUSG0	4682.553	0.025883	0.136732	0.189298	0.849859	0.969399	Lonp1
ENSMUSG0ENSMUSG0	50.73625	-0.16781	0.13937	-1.20408	0.228557	0.678012	Hectd2
ENSMUSG0ENSMUSG0	275.7451	-0.1005	0.115081	-0.87331	0.382494	0.790739	Prkd2
ENSMUSG0ENSMUSG0	78.13186	0.151917	0.136653	1.111702	0.266266	0.709424	Chrnbl
ENSMUSG0ENSMUSG0	703.5431	0.168658	0.102424	1.646673	0.099625	0.492125	Rpusd1
ENSMUSG0ENSMUSG0	792.3996	-0.24283	0.125066	-1.94159	0.052186	0.370065	Pla2g2d
ENSMUSG0ENSMUSG0	4080.467	0.074874	0.105298	0.711067	0.477043	0.843045	Trir
ENSMUSG0ENSMUSG0	81.58835	0.09861	0.134003	0.735878	0.461805	0.833916	Map6d1

ENSMUSG0ENSMUSGC	1083.937	0.010975	0.091805	0.119546	0.904843	0.982338	Yeats2
ENSMUSG0ENSMUSGC	727.4296	0.093803	0.110126	0.851772	0.39434	0.796246	Clvs1
ENSMUSG0ENSMUSGC	3407.307	-0.05707	0.104777	-0.54471	0.585956	0.894128	Arhgap11a
ENSMUSG0ENSMUSGC	839.6284	0.139091	0.133308	1.043377	0.296774	0.735498	Elovl6
ENSMUSG0ENSMUSGC	622.464	0.090691	0.080835	1.121928	0.261893	0.705507	Arhgap12
ENSMUSG0ENSMUSGC	970.9708	-0.03486	0.096934	-0.35967	0.719095	0.936235	Phf8
ENSMUSG0ENSMUSGC	1219.324	-0.02457	0.077893	-0.31537	0.75248	0.943653	Ublcp1
ENSMUSG0ENSMUSGC	2184.686	-0.00116	0.100658	-0.01155	0.990782	0.998539	Chd7
ENSMUSG0ENSMUSGC	2941.824	0.06238	0.05297	1.177667	0.238929	0.687957	Vps41
ENSMUSG0ENSMUSGC	226.2608	-0.07584	0.1434	-0.52884	0.596917	0.89784	Pklr
ENSMUSG0ENSMUSGC	1931.961	-0.00383	0.081986	-0.04671	0.962741	0.994289	Rbbp8
ENSMUSG0ENSMUSGC	1283.138	0.070397	0.061225	1.149809	0.250222	0.697398	Mul1
ENSMUSG0ENSMUSGC	845.4985	0.246126	0.133182	1.848046	0.064596	0.409995	Wnk3
ENSMUSG0ENSMUSGC	1108.882	0.014945	0.132848	0.112495	0.910431	0.983347	Zfp236
ENSMUSG0ENSMUSGC	192.2807	-0.78653	0.11644	-6.75483	1.43E-11	3.82E-08	Car8
ENSMUSG0ENSMUSGC	1153.99	0.169007	0.09521	1.775091	0.075883	0.437736	Rusc1
ENSMUSG0ENSMUSGC	1170.538	0.049497	0.088249	0.560874	0.574884	0.890536	Usp11
ENSMUSG0ENSMUSGC	2041.241	-0.08342	0.087526	-0.9531	0.340537	0.763525	Dmxl2
ENSMUSG0ENSMUSGC	1123.984	0.126039	0.079002	1.595394	0.110624	0.514156	Ttc1
ENSMUSG0ENSMUSGC	1544.98	-0.14555	0.090422	-1.6097	0.107464	0.509095	Cdk13
ENSMUSG0ENSMUSGC	730.3246	-0.08493	0.091263	-0.93062	0.352048	0.773558	Katnal1
ENSMUSG0ENSMUSGC	996.6096	0.008764	0.081248	0.107872	0.914097	0.983954	Gtf3c3
ENSMUSG0ENSMUSGC	489.6282	-0.11661	0.135116	-0.86304	0.388117	0.793631	Sntb2
ENSMUSG0ENSMUSGC	130.7364	-0.09862	0.13176	-0.74852	0.454149	0.828639	Nkx6-2
ENSMUSG0ENSMUSGC	2858.349	0.007852	0.145731	0.05388	0.957031	0.992986	Slc7a1
ENSMUSG0ENSMUSGC	854.7587	0.098938	0.075912	1.303322	0.192465	0.639447	Thoc6
ENSMUSG0ENSMUSGC	65.73072	-0.4093	0.139287	-2.93853	0.003298	0.080621	Inhba
ENSMUSG0ENSMUSGC	1748.015	-0.01114	0.057375	-0.19415	0.846061	0.968351	Pcf11
ENSMUSG0ENSMUSGC	778.7446	-0.01193	0.140548	-0.08492	0.932329	0.986608	Atp1b2
ENSMUSG0ENSMUSGC	1638.938	-0.06059	0.126754	-0.47799	0.632656	0.911817	Atg2b
ENSMUSG0ENSMUSGC	86.63599	0.024113	0.129855	0.185693	0.852685	0.9698	Ankrd42
ENSMUSG0ENSMUSGC	950.8524	0.168658	0.093854	1.797025	0.072332	0.429142	Wrap53
ENSMUSG0ENSMUSGC	1473.711	0.146897	0.110604	1.328136	0.184133	0.631891	Rap1gap
ENSMUSG0ENSMUSGC	288.6091	0.186875	0.090205	2.071655	0.038298	0.317781	Tmem29
ENSMUSG0ENSMUSGC	984.6547	-0.08427	0.091587	-0.92007	0.357538	0.776056	Rgl2
ENSMUSG0ENSMUSGC	17986.67	0.035683	0.090636	0.393698	0.693804	0.932443	Ssr2
ENSMUSG0ENSMUSGC	1122.775	0.101402	0.09295	1.090927	0.275305	0.716915	Pum3
ENSMUSG0ENSMUSGC	390.7135	-0.36555	0.091482	-3.99591	6.44E-05	0.00586	Shtn1
ENSMUSG0ENSMUSGC	796.3088	-0.04517	0.07152	-0.6316	0.527649	0.868927	Ccdc9
ENSMUSG0ENSMUSGC	116.7134	-0.13786	0.13406	-1.02838	0.303772	0.739759	Mdfic
ENSMUSG0ENSMUSGC	169.7396	0.024065	0.107268	0.224344	0.822489	0.961285	Mettl18
ENSMUSG0ENSMUSGC	1029.286	0.122217	0.088092	1.387371	0.165329	0.604472	BC055324
ENSMUSG0ENSMUSGC	2846.382	0.073952	0.08144	0.90806	0.363846	0.781416	Wapl
ENSMUSG0ENSMUSGC	2540.775	0.013585	0.080849	0.168035	0.866556	0.974473	Dicer1
ENSMUSG0ENSMUSGC	4148.36	0.113455	0.09594	1.182568	0.236981	0.685802	Pik3r1
ENSMUSG0ENSMUSGC	1216.86	-0.12658	0.092781	-1.36431	0.172469	0.614116	Meis3
ENSMUSG0ENSMUSGC	536.0762	0.164979	0.101652	1.622987	0.104592	0.501644	Hibch
ENSMUSG0ENSMUSGC	86.46037	0.05207	0.129371	0.40249	0.687323	0.931173	Nthl1
ENSMUSG0ENSMUSGC	4686.768	0.049935	0.077958	0.640533	0.521826	0.866449	Ccnb1
ENSMUSG0ENSMUSGC	1676.817	0.146726	0.123196	1.190991	0.233657	0.68322	Utp4
ENSMUSG0ENSMUSGC	1968.118	0.038515	0.07578	0.508244	0.611282	0.904473	Mfsd6
ENSMUSG0ENSMUSGC	199.6534	-0.00345	0.125556	-0.02746	0.978094	0.996584	Gk5

ENSMUSG0ENSMUSG0	1378.304	-0.03365	0.130602	-0.25764	0.796683	0.955761	Arhgap32
ENSMUSG0ENSMUSG0	13504.12	0.117097	0.109241	1.071921	0.283756	0.725004	Rpl21
ENSMUSG0ENSMUSG0	6308.972	0.186918	0.066257	2.821121	0.004786	0.101688	Tardbp
ENSMUSG0ENSMUSG0	53.70594	-0.26891	0.145977	-1.84214	0.065454	0.411922	Cacna2d4
ENSMUSG0ENSMUSG0	297.1797	-0.35236	0.091162	-3.86519	0.000111	0.008677	Fam35a
ENSMUSG0ENSMUSG0	337.2121	-0.09156	0.119476	-0.76637	0.443454	0.822713	Dcp1b
ENSMUSG0ENSMUSG0	277.5656	-0.22788	0.111216	-2.04903	0.040459	0.326976	Zfp281
ENSMUSG0ENSMUSG0	1860.761	-0.15683	0.119762	-1.30953	0.190354	0.637983	Stx3
ENSMUSG0ENSMUSG0	772.6619	-0.15154	0.078814	-1.92275	0.054511	0.377734	Cep78
ENSMUSG0ENSMUSG0	758.0898	0.113667	0.102429	1.109715	0.267122	0.710147	Kif14
ENSMUSG0ENSMUSG0	617.3608	0.101153	0.112608	0.898274	0.369039	0.784717	Rrp9
ENSMUSG0ENSMUSG0	1293.886	-0.15839	0.088797	-1.78376	0.074462	0.433401	Rnf123
ENSMUSG0ENSMUSG0	2038.7	0.082495	0.092095	0.895761	0.370381	0.785106	Ago1
ENSMUSG0ENSMUSG0	44.02865	-0.07356	0.142336	-0.51682	0.605283	0.902142	Disp3
ENSMUSG0ENSMUSG0	480.1161	0.090827	0.126897	0.71575	0.474145	0.842005	Hspb8
ENSMUSG0ENSMUSG0	847.3879	0.187371	0.100425	1.865791	0.062071	0.401402	Fbxo2
ENSMUSG0ENSMUSG0	3251.128	-0.0168	0.106535	-0.15768	0.874711	0.97593	Nop53
ENSMUSG0ENSMUSG0	1823.395	-0.07401	0.086215	-0.85848	0.390625	0.794806	Camsap2
ENSMUSG0ENSMUSG0	2947.335	0.028685	0.133942	0.214157	0.830425	0.963218	Selenow
ENSMUSG0ENSMUSG0	1402.537	0.183914	0.132369	1.389401	0.164711	0.603971	Sdk2
ENSMUSG0ENSMUSG0	856.5863	-0.27863	0.100218	-2.78022	0.005432	0.109746	Tmtc4
ENSMUSG0ENSMUSG0	356.8866	-0.19987	0.097434	-2.05131	0.040237	0.325504	Cdc42ep4
ENSMUSG0ENSMUSG0	47.49597	-0.09351	0.145979	-0.64057	0.521802	0.866449	5730559C1
ENSMUSG0ENSMUSG0	2719.514	-0.03408	0.078942	-0.43176	0.665919	0.925067	Mbp
ENSMUSG0ENSMUSG0	10049.06	-0.14773	0.106331	-1.38932	0.164734	0.603971	Entpd3
ENSMUSG0ENSMUSG0	2017.43	-0.1205	0.090797	-1.32711	0.184473	0.631891	Bicdl1
ENSMUSG0ENSMUSG0	196.7464	0.408122	0.141074	2.892971	0.003816	0.088966	Ccdc74a
ENSMUSG0ENSMUSG0	617.3714	-0.05845	0.087017	-0.67166	0.501802	0.856225	D11Wsu47i
ENSMUSG0ENSMUSG0	1858.481	0.085923	0.083362	1.030724	0.30267	0.739759	Ggact
ENSMUSG0ENSMUSG0	2426.152	0.084561	0.084239	1.003825	0.315463	0.748322	Fam104a
ENSMUSG0ENSMUSG0	757.4774	0.164445	0.071832	2.289318	0.022061	0.236668	Mrps27
ENSMUSG0ENSMUSG0	91.95156	0.081831	0.141592	0.577937	0.563307	0.885329	Kctd12b
ENSMUSG0ENSMUSG0	4049.813	0.089692	0.077445	1.158128	0.246812	0.695268	Gcn1l1
ENSMUSG0ENSMUSG0	38.20882	0.071489	0.123423	0.579218	0.562442	0.885011	Kif21b
ENSMUSG0ENSMUSG0	3703.418	0.122906	0.083846	1.46586	0.142686	0.572013	Ddx24
ENSMUSG0ENSMUSG0	115.8898	-0.05965	0.13151	-0.4536	0.65012	0.918867	Klf8
ENSMUSG0ENSMUSG0	950.1671	0.186228	0.112884	1.649735	0.098997	0.491242	Pcca
ENSMUSG0ENSMUSG0	165.1235	-0.15187	0.12082	-1.25697	0.208763	0.656907	Pnpla3
ENSMUSG0ENSMUSG0	345.7593	0.262192	0.101369	2.586504	0.009696	0.150698	Slc39a11
ENSMUSG0ENSMUSG0	1322.248	-0.01348	0.104131	-0.12943	0.897018	0.98034	Rragb
ENSMUSG0ENSMUSG0	477.3316	-0.22965	0.119713	-1.91832	0.05507	0.379148	Pyroxd1
ENSMUSG0ENSMUSG0	152.2082	-0.13834	0.141067	-0.98067	0.326757	0.754362	Lrrc29
ENSMUSG0ENSMUSG0	490026.2	-0.17694	0.068394	-2.58706	0.00968	0.150628	Iapp
ENSMUSG0ENSMUSG0	583.9123	-0.21214	0.095068	-2.23144	0.025652	0.256465	Bivm
ENSMUSG0ENSMUSG0	944.4869	-0.04522	0.109623	-0.41248	0.679988	0.928722	Fcho2
ENSMUSG0ENSMUSG0	164.5364	0.082955	0.124708	0.66519	0.505929	0.858217	Amot
ENSMUSG0ENSMUSG0	9176.101	0.129572	0.102204	1.267769	0.20488	0.652989	Cox6a1
ENSMUSG0ENSMUSG0	314.7552	0.073419	0.134185	0.547148	0.584277	0.893087	Btbd7
ENSMUSG0ENSMUSG0	2861.809	0.012544	0.061561	0.20376	0.838541	0.965671	Ubr7
ENSMUSG0ENSMUSG0	1556.067	0.145736	0.107696	1.353217	0.175986	0.618717	Gm20604
ENSMUSG0ENSMUSG0	556.5961	0.005848	0.091521	0.063901	0.949049	0.991149	Alg13
ENSMUSG0ENSMUSG0	5322.069	0.145636	0.113956	1.278003	0.201248	0.648578	Pi4ka

ENSMUSG0ENSMUSGC	8741.77	-0.11076	0.08776	-1.26208	0.206921	0.654345	Coro2b
ENSMUSG0ENSMUSGC	982.9593	0.179845	0.073626	2.442689	0.014578	0.189386	Coq5
ENSMUSG0ENSMUSGC	146.9328	0.155345	0.140807	1.103243	0.269922	0.712997	Tspo
ENSMUSG0ENSMUSGC	525.0265	0.603376	0.145756	4.139627	3.48E-05	0.00372	Tmem45b
ENSMUSG0ENSMUSGC	7586.749	0.041791	0.05315	0.786281	0.431703	0.816305	Rnf10
ENSMUSG0ENSMUSGC	40.02436	-0.09469	0.145995	-0.6486	0.516596	0.863191	Pde3a
ENSMUSG0ENSMUSGC	1060.536	0.003009	0.090164	0.033377	0.973374	0.995862	Utp15
ENSMUSG0ENSMUSGC	5239.964	0.076109	0.093162	0.81696	0.413951	0.807543	Plekha6
ENSMUSG0ENSMUSGC	519.0513	-0.03999	0.12144	-0.32933	0.74191	0.94054	Gpr155
ENSMUSG0ENSMUSGC	2455.182	0.06227	0.072438	0.859632	0.389992	0.794806	Tpp2
ENSMUSG0ENSMUSGC	807.0343	-0.02046	0.089233	-0.22933	0.818611	0.959879	Ubac2
ENSMUSG0ENSMUSGC	3329.408	0.188982	0.06288	3.005441	0.002652	0.070057	Ppp2r2d
ENSMUSG0ENSMUSGC	1702.583	-0.16682	0.106338	-1.56877	0.116702	0.526038	Enc1
ENSMUSG0ENSMUSGC	340.8749	0.188825	0.136499	1.383344	0.166559	0.605329	Ydjc
ENSMUSG0ENSMUSGC	1156.165	0.021019	0.079872	0.263164	0.792424	0.954966	Mapk1ip1
ENSMUSG0ENSMUSGC	567.3854	-0.04146	0.073003	-0.56786	0.570127	0.888936	Cir1
ENSMUSG0ENSMUSGC	94.88155	0.021114	0.129092	0.163561	0.870077	0.975011	Tram2
ENSMUSG0ENSMUSGC	1955.254	-0.00348	0.064379	-0.05407	0.956876	0.992986	Cpsf2
ENSMUSG0ENSMUSGC	1057.606	-0.03181	0.08232	-0.38636	0.69923	0.933914	Gck
ENSMUSG0ENSMUSGC	95.55766	-0.51012	0.145847	-3.49762	0.000469	0.023155	Phlda3
ENSMUSG0ENSMUSGC	73.05275	-0.08595	0.14137	-0.60795	0.543219	0.875214	Efhc1
ENSMUSG0ENSMUSGC	3960.532	0.042085	0.055917	0.752628	0.451674	0.827017	Poldip3
ENSMUSG0ENSMUSGC	185.5697	-0.32174	0.128043	-2.51276	0.011979	0.169925	Oasl1
ENSMUSG0ENSMUSGC	42.32271	-0.19938	0.145228	-1.37287	0.169794	0.611102	Ptpre
ENSMUSG0ENSMUSGC	370.5703	-0.0329	0.095028	-0.34616	0.729219	0.938791	Pdcd7
ENSMUSG0ENSMUSGC	873.453	0.172348	0.103952	1.657964	0.097325	0.487608	Haus1
ENSMUSG0ENSMUSGC	5305.511	0.098989	0.116191	0.851949	0.394242	0.796246	Rpl37
ENSMUSG0ENSMUSGC	1439.477	-0.27337	0.08541	-3.20064	0.001371	0.044194	Fhdc1
ENSMUSG0ENSMUSGC	415.9697	0.041784	0.0897	0.46582	0.641344	0.914411	Rhod
ENSMUSG0ENSMUSGC	2567.394	-0.07359	0.083659	-0.87965	0.379046	0.789454	Ppp4r3a
ENSMUSG0ENSMUSGC	310.2876	-0.03237	0.141054	-0.22949	0.818489	0.959879	Card6
ENSMUSG0ENSMUSGC	1466.133	-0.00264	0.093293	-0.02826	0.977455	0.996394	Tcf20
ENSMUSG0ENSMUSGC	7566.783	0.157012	0.093111	1.686287	0.09174	0.475861	Mcm3
ENSMUSG0ENSMUSGC	3754.786	-0.09399	0.071665	-1.31157	0.189667	0.637324	Ankrd13a
ENSMUSG0ENSMUSGC	6695.961	-0.03841	0.084623	-0.45387	0.649926	0.918867	Ipo9
ENSMUSG0ENSMUSGC	2570.871	0.006832	0.107375	0.063626	0.949268	0.991149	Ndufa7
ENSMUSG0ENSMUSGC	137.174	-0.23058	0.127331	-1.81086	0.070163	0.42398	Shisa4
ENSMUSG0ENSMUSGC	1257.12	-0.15553	0.106295	-1.46318	0.143418	0.572261	Git2
ENSMUSG0ENSMUSGC	6620.65	0.001597	0.108737	0.014687	0.988282	0.998385	Lman1
ENSMUSG0ENSMUSGC	5605.149	-0.37677	0.137768	-2.73479	0.006242	0.117934	Wipi1
ENSMUSG0ENSMUSGC	277.6252	-0.08	0.119577	-0.66903	0.503473	0.856225	Gpr45
ENSMUSG0ENSMUSGC	1580.166	0.036188	0.107384	0.336994	0.736121	0.939196	Tdrkh
ENSMUSG0ENSMUSGC	1069.321	-0.08684	0.095007	-0.91404	0.360696	0.77878	Ammecr1l
ENSMUSG0ENSMUSGC	999.0454	-0.42075	0.084766	-4.96371	6.92E-07	0.000224	Slc16a6
ENSMUSG0ENSMUSGC	927.573	0.061999	0.077383	0.801188	0.423023	0.813019	Metap1d
ENSMUSG0ENSMUSGC	1316.935	-0.05068	0.102703	-0.49346	0.621689	0.907988	Nol4
ENSMUSG0ENSMUSGC	2189.714	0.041166	0.092026	0.447325	0.65464	0.919908	Rnpep
ENSMUSG0ENSMUSGC	1573.524	-0.11706	0.124963	-0.93678	0.348874	0.77081	Fam222a
ENSMUSG0ENSMUSGC	2871.707	0.143323	0.124324	1.152813	0.248987	0.696015	AW549877
ENSMUSG0ENSMUSGC	469.2255	-0.10582	0.083042	-1.27433	0.202545	0.650197	Agrn
ENSMUSG0ENSMUSGC	888.6284	0.340749	0.076845	4.434259	9.24E-06	0.001488	Mvk
ENSMUSG0ENSMUSGC	63.56158	-0.45569	0.139974	-3.25556	0.001132	0.039704	Mfsd9

ENSMUSG0ENSMUSG0	372.0237	0.007151	0.111218	0.064294	0.948736	0.991149	Tango6
ENSMUSG0ENSMUSG0	129.5593	-0.11978	0.117656	-1.01807	0.308646	0.743229	Pkp2
ENSMUSG0ENSMUSG0	3914.791	0.150031	0.100564	1.491889	0.135728	0.561648	Pigs
ENSMUSG0ENSMUSG0	3772.352	0.10624	0.103436	1.027113	0.304367	0.739861	S100a10
ENSMUSG0ENSMUSG0	192.8657	-0.30348	0.112684	-2.69317	0.007078	0.127502	Znrf3
ENSMUSG0ENSMUSG0	669.7622	-0.1779	0.097937	-1.81649	0.069295	0.421798	Dcaf17
ENSMUSG0ENSMUSG0	1014.463	-0.08905	0.121582	-0.73246	0.46389	0.835577	Spidr
ENSMUSG0ENSMUSG0	231.9813	-0.2546	0.101019	-2.52033	0.011725	0.167977	Mettl8
ENSMUSG0ENSMUSG0	2689.201	-0.03688	0.074532	-0.49482	0.620726	0.907795	Arhgef11
ENSMUSG0ENSMUSG0	266.6656	-0.08114	0.136034	-0.59644	0.550883	0.879872	Rapgef5
ENSMUSG0ENSMUSG0	926.8632	0.168975	0.069738	2.42299	0.015393	0.194299	Zbed3
ENSMUSG0ENSMUSG0	2453.217	-0.09477	0.107312	-0.88316	0.377149	0.788723	Tlk1
ENSMUSG0ENSMUSG0	1208.663	-0.01954	0.100004	-0.19537	0.8451	0.967742	Wdr41
ENSMUSG0ENSMUSG0	3993.181	0.091637	0.113995	0.803869	0.421473	0.812025	Ncapg2
ENSMUSG0ENSMUSG0	1213.863	-0.1442	0.114627	-1.25803	0.208382	0.656691	Mat2b
ENSMUSG0ENSMUSG0	858.1471	0.025041	0.104202	0.24031	0.81009	0.958353	Csgalnact2
ENSMUSG0ENSMUSG0	1922.689	0.171707	0.103366	1.661156	0.096682	0.486525	Tbca
ENSMUSG0ENSMUSG0	909.1584	-0.06849	0.107292	-0.63835	0.523247	0.86723	Dstyky
ENSMUSG0ENSMUSG0	249.688	-0.00311	0.099083	-0.03142	0.974932	0.996035	Wdr60
ENSMUSG0ENSMUSG0	1771.837	-0.00282	0.092686	-0.03042	0.975734	0.996296	Wdr11
ENSMUSG0ENSMUSG0	1360.865	0.023794	0.067896	0.350453	0.725999	0.938271	Zfp386
ENSMUSG0ENSMUSG0	3452.27	0.040993	0.088107	0.465266	0.641741	0.914411	Tmcc2
ENSMUSG0ENSMUSG0	992.099	0.214575	0.107465	1.996693	0.045859	0.344757	Abhd14b
ENSMUSG0ENSMUSG0	196.2534	-0.00071	0.145709	-0.0049	0.996093	0.998783	Svop
ENSMUSG0ENSMUSG0	13054.84	-0.02627	0.069968	-0.37539	0.707368	0.934791	Hnrnpf
ENSMUSG0ENSMUSG0	4931.553	-0.05109	0.077573	-0.65854	0.510191	0.860158	Arsb
ENSMUSG0ENSMUSG0	163.9857	0.045678	0.122268	0.373587	0.708711	0.934791	Zfp239
ENSMUSG0ENSMUSG0	112.9661	-0.00243	0.143667	-0.01692	0.986502	0.997999	Kank3
ENSMUSG0ENSMUSG0	357.5363	-0.06589	0.114481	-0.57559	0.564892	0.886154	Uggt2
ENSMUSG0ENSMUSG0	3381.535	-0.0517	0.082368	-0.6277	0.530203	0.869704	Inpp5f
ENSMUSG0ENSMUSG0	111.8253	0.053502	0.145985	0.366493	0.713997	0.935647	Csdc2
ENSMUSG0ENSMUSG0	980.6261	0.024898	0.091381	0.27246	0.785269	0.953405	Ccdc115
ENSMUSG0ENSMUSG0	560.3915	-0.22575	0.113108	-1.99588	0.045947	0.344757	Klhdc8a
ENSMUSG0ENSMUSG0	444.9551	-0.00865	0.136021	-0.06356	0.949321	0.991149	Vwa1
ENSMUSG0ENSMUSG0	412.2412	-0.04057	0.094223	-0.43058	0.666776	0.925067	Ssh1
ENSMUSG0ENSMUSG0	534.9777	-0.06506	0.132255	-0.49191	0.62278	0.907988	Rassf4
ENSMUSG0ENSMUSG0	2683.082	0.076697	0.110628	0.693292	0.488126	0.850258	Ppig
ENSMUSG0ENSMUSG0	599.2944	0.009249	0.109968	0.084102	0.932975	0.986608	Msantd2
ENSMUSG0ENSMUSG0	724.584	0.185387	0.070226	2.639858	0.008294	0.138931	Cox10
ENSMUSG0ENSMUSG0	243.0359	-0.1689	0.124701	-1.35448	0.175584	0.617801	Klhl23
ENSMUSG0ENSMUSG0	555.9913	0.192319	0.093752	2.051357	0.040232	0.325504	Dzip1
ENSMUSG0ENSMUSG0	527.679	0.028696	0.082637	0.347257	0.728398	0.938587	Papd4
ENSMUSG0ENSMUSG0	1832.772	-0.12379	0.073649	-1.6808	0.092801	0.477855	Armc5
ENSMUSG0ENSMUSG0	101.2421	0.033532	0.14593	0.229778	0.818264	0.959879	Bend6
ENSMUSG0ENSMUSG0	850.1074	-0.0885	0.083487	-1.06002	0.289136	0.728677	Nfrkb
ENSMUSG0ENSMUSG0	1517.146	-0.05868	0.09654	-0.60779	0.543327	0.875214	Zfp451
ENSMUSG0ENSMUSG0	449.5659	0.084826	0.111754	0.759046	0.447825	0.824078	Chchd7
ENSMUSG0ENSMUSG0	1365.015	0.120813	0.074022	1.632123	0.102654	0.499227	Slc35e2
ENSMUSG0ENSMUSG0	1383.213	-0.06063	0.085989	-0.70506	0.480771	0.846451	Tbc1d22b
ENSMUSG0ENSMUSG0	560.9911	-0.20301	0.144932	-1.4007	0.161304	0.600918	Kdm5b
ENSMUSG0ENSMUSG0	1122.746	-0.42125	0.072984	-5.77183	7.84E-09	6.99E-06	0610010F0
ENSMUSG0ENSMUSG0	583.8718	0.266883	0.119025	2.24225	0.024945	0.252067	Abhd14a

ENSMUSG0ENSMUSG0	1429.138	-0.08991	0.067096	-1.34002	0.180237	0.624639	Fbxo38
ENSMUSG0ENSMUSG0	329.9645	-0.04516	0.127404	-0.35449	0.722974	0.937763	Zfand4
ENSMUSG0ENSMUSG0	2217.576	0.057507	0.082261	0.699083	0.4845	0.848425	Bag2
ENSMUSG0ENSMUSG0	1598.412	-0.02807	0.145565	-0.19286	0.847072	0.968351	Sgsm1
ENSMUSG0ENSMUSG0	341.9226	0.352865	0.109051	3.235784	0.001213	0.041472	Ammecr1
ENSMUSG0ENSMUSG0	1403.693	-0.02319	0.061778	-0.37539	0.70737	0.934791	Rabif
ENSMUSG0ENSMUSG0	1012.166	-0.05711	0.093256	-0.61242	0.540262	0.873794	Tmc7
ENSMUSG0ENSMUSG0	3168.303	-0.20316	0.093698	-2.16825	0.03014	0.27823	Grk3
ENSMUSG0ENSMUSG0	40.9926	-0.24318	0.146	-1.66561	0.095792	0.485939	Cilp
ENSMUSG0ENSMUSG0	5529.67	-0.12541	0.104991	-1.19453	0.232271	0.681917	Isl1
ENSMUSG0ENSMUSG0	67.68618	-0.23408	0.14581	-1.60541	0.108404	0.510418	Fam92b
ENSMUSG0ENSMUSG0	867.4954	-0.02666	0.097531	-0.2733	0.784619	0.953021	Nxt2
ENSMUSG0ENSMUSG0	331.3079	-0.35863	0.091777	-3.90769	9.32E-05	0.007689	Sestd1
ENSMUSG0ENSMUSG0	660.5232	0.069632	0.079858	0.871947	0.383237	0.790739	Pelo
ENSMUSG0ENSMUSG0	1067.893	0.047065	0.086367	0.544942	0.585793	0.894074	Hsd3b7
ENSMUSG0ENSMUSG0	668.5442	-0.09652	0.099198	-0.973	0.330555	0.757116	Mkl1
ENSMUSG0ENSMUSG0	393.7316	-0.07245	0.144876	-0.5001	0.617004	0.906916	Gm5617
ENSMUSG0ENSMUSG0	1560.256	-0.03821	0.084049	-0.45466	0.649353	0.918645	Ttc19
ENSMUSG0ENSMUSG0	637.7762	0.065299	0.108322	0.602825	0.546625	0.876524	Ehbp1
ENSMUSG0ENSMUSG0	1773.014	-0.01785	0.123148	-0.14498	0.884728	0.977581	Sgsm3
ENSMUSG0ENSMUSG0	3555.437	0.04995	0.073881	0.676086	0.498986	0.854405	Tmem183a
ENSMUSG0ENSMUSG0	2266.959	0.03053	0.126225	0.241867	0.808883	0.958353	Setd1a
ENSMUSG0ENSMUSG0	632.7386	0.151859	0.111537	1.361504	0.173355	0.615486	S100a13
ENSMUSG0ENSMUSG0	80.01649	-0.12947	0.133819	-0.96747	0.333309	0.758918	Prox2
ENSMUSG0ENSMUSG0	3274.969	0.000199	0.091583	0.002178	0.998262	0.998981	Pbrm1
ENSMUSG0ENSMUSG0	772.2221	0.001746	0.114151	0.015299	0.987794	0.998385	Hps4
ENSMUSG0ENSMUSG0	809.9425	0.110295	0.113562	0.971232	0.331433	0.75744	Specc1
ENSMUSG0ENSMUSG0	37.6441	0.098513	0.139574	0.705814	0.480304	0.846258	Ctf1
ENSMUSG0ENSMUSG0	179.9373	-0.21466	0.139672	-1.53691	0.124315	0.53891	Arl15
ENSMUSG0ENSMUSG0	403.2372	-0.10216	0.111514	-0.91611	0.359611	0.777189	Ikbke
ENSMUSG0ENSMUSG0	1849.394	-0.0713	0.076633	-0.9304	0.352166	0.773559	Arel1
ENSMUSG0ENSMUSG0	1643.157	0.020307	0.113013	0.17969	0.857396	0.971994	Gnl3
ENSMUSG0ENSMUSG0	66.12032	-0.22133	0.141359	-1.56571	0.117416	0.527208	Osbpl6
ENSMUSG0ENSMUSG0	360.0284	-0.38369	0.11943	-3.21266	0.001315	0.043298	Lgalsl
ENSMUSG0ENSMUSG0	983.0317	0.027406	0.121012	0.226472	0.820834	0.960694	Snx18
ENSMUSG0ENSMUSG0	845.6016	0.079201	0.067792	1.1683	0.242686	0.689768	Rbm45
ENSMUSG0ENSMUSG0	38.34298	0.400125	0.141288	2.831988	0.004626	0.099254	Slc5a10
ENSMUSG0ENSMUSG0	3907.168	0.324806	0.106089	3.061627	0.002201	0.060797	Fam83g
ENSMUSG0ENSMUSG0	362.5151	-0.14358	0.103998	-1.38058	0.167407	0.607181	Smim12
ENSMUSG0ENSMUSG0	610.3832	0.002702	0.137409	0.019665	0.98431	0.997439	Tex13b
ENSMUSG0ENSMUSG0	1592.409	0.10306	0.117176	0.879535	0.379111	0.789466	Dlgap3
ENSMUSG0ENSMUSG0	402.4714	0.0498	0.128539	0.387431	0.698437	0.933691	Tsen2
ENSMUSG0ENSMUSG0	1849.888	-0.01684	0.100999	-0.16671	0.867595	0.974473	Gatad2b
ENSMUSG0ENSMUSG0	1246.213	-0.19759	0.095016	-2.07958	0.037564	0.314792	Rbm7
ENSMUSG0ENSMUSG0	699.5057	-0.00436	0.098465	-0.04432	0.964648	0.994711	Dennd4b
ENSMUSG0ENSMUSG0	9442.097	0.050163	0.143486	0.349599	0.72664	0.938472	Atf4
ENSMUSG0ENSMUSG0	966.5136	-0.20186	0.141731	-1.42427	0.154368	0.591073	Zmym6
ENSMUSG0ENSMUSG0	1577.062	-0.02439	0.087433	-0.279	0.780242	0.951422	Agps
ENSMUSG0ENSMUSG0	537.6849	0.036919	0.115553	0.319494	0.749352	0.942352	Nfkbil1
ENSMUSG0ENSMUSG0	2069.479	0.010824	0.098197	0.110227	0.912229	0.983954	Fbrs
ENSMUSG0ENSMUSG0	1017.924	0.202424	0.084027	2.409039	0.015995	0.19833	Dhx29
ENSMUSG0ENSMUSG0	743.7812	-0.09397	0.075914	-1.23779	0.215793	0.666938	Mgat3

ENSMUSG0ENSMUSG0	1150.372	-0.10172	0.145852	-0.69741	0.485548	0.848425	Adora1
ENSMUSG0ENSMUSG0	42.83237	0.285344	0.145378	1.962777	0.049672	0.360069	Mfap4
ENSMUSG0ENSMUSG0	2217.299	0.120262	0.133038	0.903971	0.366011	0.782723	Mindy2
ENSMUSG0ENSMUSG0	1844.486	0.068264	0.095667	0.71356	0.475499	0.842415	Zmym4
ENSMUSG0ENSMUSG0	574.5245	-0.0752	0.079274	-0.94855	0.342849	0.765528	Mios
ENSMUSG0ENSMUSG0	1083.41	-0.34115	0.143338	-2.38007	0.01731	0.204758	Reln
ENSMUSG0ENSMUSG0	2487.112	0.015338	0.140589	0.1091	0.913123	0.983954	C1galt1
ENSMUSG0ENSMUSG0	1322.253	0.118307	0.102472	1.154531	0.248283	0.695618	Dctpp1
ENSMUSG0ENSMUSG0	1370.358	-0.06293	0.054346	-1.15802	0.246857	0.695268	Zfp410
ENSMUSG0ENSMUSG0	1476.103	0.047494	0.137675	0.344973	0.730115	0.938791	Tbc1d8b
ENSMUSG0ENSMUSG0	490.9346	0.096066	0.112136	0.856687	0.391618	0.794949	Abcb4
ENSMUSG0ENSMUSG0	1174.026	0.070472	0.068548	1.028065	0.303919	0.739759	Leo1
ENSMUSG0ENSMUSG0	2025.147	-0.02469	0.087542	-0.28203	0.777922	0.950567	Clsn
ENSMUSG0ENSMUSG0	2558.679	0.02071	0.077997	0.265523	0.790607	0.954487	Tbc1d10b
ENSMUSG0ENSMUSG0	500.4248	-0.01195	0.089658	-0.1333	0.893954	0.979691	Prdm10
ENSMUSG0ENSMUSG0	280.3848	0.029085	0.131982	0.220371	0.825582	0.962521	D330045A2
ENSMUSG0ENSMUSG0	111.9018	-0.21289	0.133245	-1.59771	0.110109	0.513546	Ago4
ENSMUSG0ENSMUSG0	39.17068	0.004871	0.142585	0.03416	0.97275	0.995769	Cpa6
ENSMUSG0ENSMUSG0	3431.14	-0.0013	0.060349	-0.02158	0.982786	0.99741	Cd2bp2
ENSMUSG0ENSMUSG0	107.1562	0.056869	0.118453	0.4801	0.631156	0.911457	Sdhaf3
ENSMUSG0ENSMUSG0	2836.363	0.169656	0.105956	1.601201	0.109332	0.512855	Usp22
ENSMUSG0ENSMUSG0	625.0121	-0.19756	0.128182	-1.54122	0.123263	0.536347	Elmsan1
ENSMUSG0ENSMUSG0	1642.076	-0.08526	0.103166	-0.82643	0.408558	0.802722	Dmtf1
ENSMUSG0ENSMUSG0	154.7329	-0.29018	0.144828	-2.00362	0.045111	0.342308	Klhl14
ENSMUSG0ENSMUSG0	978.2059	0.085688	0.109323	0.783805	0.433154	0.817216	Mum1l1
ENSMUSG0ENSMUSG0	7414.25	0.024477	0.086615	0.282598	0.777485	0.950382	Ubp2l
ENSMUSG0ENSMUSG0	955.2691	-0.00522	0.092534	-0.05639	0.955031	0.992605	Dnal1
ENSMUSG0ENSMUSG0	1534.793	-0.16134	0.115309	-1.39921	0.16175	0.601189	Sun2
ENSMUSG0ENSMUSG0	92.51231	-0.08155	0.141397	-0.57674	0.564115	0.885572	Golga7b
ENSMUSG0ENSMUSG0	4331.631	0.050848	0.102349	0.496805	0.619326	0.907335	Gtpbp1
ENSMUSG0ENSMUSG0	3192.089	-0.08131	0.118824	-0.68427	0.493807	0.852903	Sem1
ENSMUSG0ENSMUSG0	1709.431	0.034217	0.101582	0.336839	0.736239	0.939196	Asxl1
ENSMUSG0ENSMUSG0	48.62444	0.193336	0.142454	1.35718	0.174724	0.617608	Map2k3os
ENSMUSG0ENSMUSG0	2053.535	-0.07283	0.085269	-0.85413	0.39303	0.795486	Sin3a
ENSMUSG0ENSMUSG0	1075.873	0.000212	0.096865	0.002184	0.998258	0.998981	Adprhl2
ENSMUSG0ENSMUSG0	109.6676	-0.03792	0.13176	-0.28776	0.773528	0.949821	Fam227a
ENSMUSG0ENSMUSG0	987.7668	-0.02112	0.112385	-0.18794	0.850922	0.969606	Dhrs7b
ENSMUSG0ENSMUSG0	1199.664	-0.01029	0.095322	-0.10797	0.91402	0.983954	Mier2
ENSMUSG0ENSMUSG0	3844.705	-0.11955	0.090024	-1.32792	0.184204	0.631891	Ube2q1
ENSMUSG0ENSMUSG0	798.7571	-0.09237	0.111547	-0.8281	0.407612	0.802351	4632404H1
ENSMUSG0ENSMUSG0	919.223	-0.06232	0.132678	-0.46971	0.638565	0.913202	Cux2
ENSMUSG0ENSMUSG0	1427.729	0.198499	0.122269	1.623464	0.10449	0.501644	Ipo11
ENSMUSG0ENSMUSG0	1121.965	-0.28068	0.095984	-2.92427	0.003453	0.08256	Sh2b3
ENSMUSG0ENSMUSG0	494.4184	0.309298	0.127908	2.418135	0.0156	0.195802	Fam199x
ENSMUSG0ENSMUSG0	843.0768	-0.23928	0.122417	-1.95462	0.050628	0.363626	Kdm7a
ENSMUSG0ENSMUSG0	1780.365	0.09026	0.074251	1.2156	0.224137	0.673874	Atxn2
ENSMUSG0ENSMUSG0	2558.043	0.037596	0.092542	0.406254	0.684556	0.931154	Hirip3
ENSMUSG0ENSMUSG0	1378.936	0.195949	0.079296	2.471119	0.013469	0.181128	Stk40
ENSMUSG0ENSMUSG0	215.4695	-0.00918	0.125482	-0.07317	0.941674	0.988562	Pbxip1
ENSMUSG0ENSMUSG0	502.4161	0.078141	0.126714	0.616669	0.537453	0.87326	Oscp1
ENSMUSG0ENSMUSG0	586.7147	-0.03375	0.113901	-0.29632	0.766988	0.948583	Maff
ENSMUSG0ENSMUSG0	2522.161	0.020126	0.081049	0.248313	0.803892	0.957462	Safb2

ENSMUSG0ENSMUSGC	5289.134	-0.10291	0.076065	-1.35294	0.176075	0.618717	Shc1
ENSMUSG0ENSMUSGC	762.8095	-0.0182	0.111167	-0.16373	0.869941	0.975011	Zfyve1
ENSMUSG0ENSMUSGC	174.4589	0.049567	0.145889	0.33976	0.734037	0.938791	Xkr7
ENSMUSG0ENSMUSGC	1293.5	-0.01143	0.065629	-0.17415	0.861749	0.972861	Pla2g6
ENSMUSG0ENSMUSGC	3839.094	-0.12484	0.116553	-1.07112	0.284113	0.725105	Gucy2c
ENSMUSG0ENSMUSGC	657.9133	-0.23957	0.080895	-2.96153	0.003061	0.076341	Flad1
ENSMUSG0ENSMUSGC	969.8185	-0.04781	0.115653	-0.41342	0.679301	0.928688	Itpr3
ENSMUSG0ENSMUSGC	90.5151	-0.0803	0.129851	-0.61837	0.536329	0.872707	Acad12
ENSMUSG0ENSMUSGC	5997.921	-0.12248	0.14378	-0.85188	0.394283	0.796246	Alkbh5
ENSMUSG0ENSMUSGC	217.9993	0.052498	0.144943	0.362194	0.717207	0.93599	Arrdc4
ENSMUSG0ENSMUSGC	621.7738	-0.14887	0.089623	-1.66108	0.096697	0.486525	Wdr55
ENSMUSG0ENSMUSGC	911.5587	0.22079	0.094666	2.3323	0.019685	0.221862	Dusp15
ENSMUSG0ENSMUSGC	1619.539	0.070084	0.106839	0.65598	0.511837	0.861244	Immp1l
ENSMUSG0ENSMUSGC	56.24577	-0.0617	0.13769	-0.44811	0.654072	0.919901	Dcst1
ENSMUSG0ENSMUSGC	1046.753	-0.11219	0.112923	-0.99354	0.320448	0.750867	Ypel3
ENSMUSG0ENSMUSGC	76.13678	-0.45327	0.142674	-3.177	0.001488	0.046912	Zc3h12a
ENSMUSG0ENSMUSGC	163.7408	0.077373	0.140691	0.549951	0.582353	0.892926	Garem1
ENSMUSG0ENSMUSGC	3171.98	0.060628	0.110681	0.54777	0.58385	0.893087	Selenok
ENSMUSG0ENSMUSGC	157.4086	-0.08484	0.12505	-0.67845	0.497485	0.853814	Jph1
ENSMUSG0ENSMUSGC	2798.21	0.199356	0.092072	2.165214	0.030371	0.279438	Mapk6
ENSMUSG0ENSMUSGC	695.0291	0.108753	0.092958	1.169913	0.242036	0.689488	Stn1
ENSMUSG0ENSMUSGC	4674.259	-0.09981	0.125745	-0.79375	0.427339	0.81459	Dhx9
ENSMUSG0ENSMUSGC	1233.86	-0.0753	0.082974	-0.90748	0.364152	0.78157	Sipa1l1
ENSMUSG0ENSMUSGC	861.3744	0.096437	0.079464	1.213599	0.224901	0.674924	Comm10
ENSMUSG0ENSMUSGC	1260.202	0.093202	0.100369	0.92859	0.353101	0.773559	Atpaf2
ENSMUSG0ENSMUSGC	19084.29	0.125707	0.078464	1.602088	0.109136	0.512227	Tceal9
ENSMUSG0ENSMUSGC	1371.6	0.143049	0.08828	1.62041	0.105144	0.502849	Naa25
ENSMUSG0ENSMUSGC	936.9627	0.035103	0.106403	0.329902	0.741474	0.94054	Map3k9
ENSMUSG0ENSMUSGC	1251.768	-0.00224	0.08869	-0.02525	0.979853	0.996602	Trafd1
ENSMUSG0ENSMUSGC	1092.279	0.041288	0.080118	0.515335	0.606319	0.902725	Wdr74
ENSMUSG0ENSMUSGC	395.1393	0.18387	0.083364	2.20563	0.02741	0.264293	Ttc9
ENSMUSG0ENSMUSGC	1151.875	0.086433	0.117553	0.735274	0.462173	0.834283	Dpm3
ENSMUSG0ENSMUSGC	1030.704	0.059	0.140448	0.420086	0.674423	0.927604	Bmt2
ENSMUSG0ENSMUSGC	312.5417	0.013597	0.115122	0.118109	0.905981	0.982338	Sgtb
ENSMUSG0ENSMUSGC	2310.527	0.042956	0.096925	0.443184	0.657632	0.921426	Hectd4
ENSMUSG0ENSMUSGC	3015.014	0.134076	0.139062	0.964149	0.334971	0.759008	Id1
ENSMUSG0ENSMUSGC	4960.133	0.042976	0.113525	0.378558	0.705016	0.93471	Krtcap2
ENSMUSG0ENSMUSGC	13408.93	0.089335	0.09577	0.9328	0.350923	0.772528	Bex2
ENSMUSG0ENSMUSGC	276.4456	0.027887	0.140396	0.198632	0.842551	0.967078	Nmnat2
ENSMUSG0ENSMUSGC	2070.156	-0.28032	0.082367	-3.40333	0.000666	0.028705	Tmem108
ENSMUSG0ENSMUSGC	2011.326	-0.13904	0.058173	-2.39007	0.016845	0.203222	Maneal
ENSMUSG0ENSMUSGC	791.7074	-0.06053	0.079455	-0.76184	0.446156	0.824037	Trim46
ENSMUSG0ENSMUSGC	2599.094	-0.05358	0.095276	-0.56234	0.573883	0.890266	Smg7
ENSMUSG0ENSMUSGC	88.81626	0.17426	0.143656	1.213038	0.225115	0.67493	Muc1
ENSMUSG0ENSMUSGC	763.2845	0.124323	0.091699	1.355775	0.175171	0.617729	Exog
ENSMUSG0ENSMUSGC	972.1094	0.07042	0.084776	0.830661	0.406165	0.801957	Rnf214
ENSMUSG0ENSMUSGC	431.4483	0.292709	0.134837	2.170833	0.029944	0.277379	Aqp11
ENSMUSG0ENSMUSGC	100.5856	0.041885	0.145937	0.287006	0.774108	0.949821	Hecw2
ENSMUSG0ENSMUSGC	5284.232	0.554861	0.12271	4.521729	6.13E-06	0.001139	Gpx2
ENSMUSG0ENSMUSGC	637.882	-0.16402	0.111543	-1.47047	0.141434	0.571236	Krba1
ENSMUSG0ENSMUSGC	478.0628	0.088967	0.106121	0.838351	0.401834	0.79975	Mcts2
ENSMUSG0ENSMUSGC	89.03897	-0.27922	0.126808	-2.20191	0.027672	0.265915	Fgf11

ENSMUSG0ENSMUSG0	1451.24	0.142241	0.096503	1.473958	0.140493	0.570811	Alkbh6
ENSMUSG0ENSMUSG0	867.5095	-0.32258	0.090911	-3.5483	0.000388	0.020089	Nrep
ENSMUSG0ENSMUSG0	157.1686	-0.29802	0.130751	-2.27931	0.022649	0.240111	Zc3h6
ENSMUSG0ENSMUSG0	213.453	-0.10325	0.11525	-0.89591	0.370302	0.785063	Trp53rkb
ENSMUSG0ENSMUSG0	183.341	-0.07953	0.137897	-0.57673	0.564124	0.885572	Gm9776
ENSMUSG0ENSMUSG0	2987.815	0.089906	0.113239	0.793946	0.427227	0.81459	Tom1
ENSMUSG0ENSMUSG0	5090.743	0.01284	0.129448	0.099189	0.920988	0.985705	Lhfp14
ENSMUSG0ENSMUSG0	3237.466	0.045979	0.100112	0.459272	0.646039	0.916536	Aida
ENSMUSG0ENSMUSG0	330.9595	-0.12478	0.140344	-0.88912	0.373937	0.787458	Foxo4
ENSMUSG0ENSMUSG0	369.8685	-0.20411	0.128642	-1.58669	0.112583	0.518563	Olfr648
ENSMUSG0ENSMUSG0	84.71066	0.093405	0.144897	0.64463	0.519167	0.864728	Gm14117
ENSMUSG0ENSMUSG0	792.3333	-0.1135	0.109159	-1.03979	0.298436	0.736965	Greb1l
ENSMUSG0ENSMUSG0	2005.316	0.077952	0.083389	0.934803	0.34989	0.771455	Sbk1
ENSMUSG0ENSMUSG0	327.7374	-0.07399	0.111587	-0.66303	0.507312	0.85875	Borcs5
ENSMUSG0ENSMUSG0	519.9425	-0.06927	0.112696	-0.6147	0.538754	0.873794	Nhlrc3
ENSMUSG0ENSMUSG0	236.9228	-0.01481	0.114366	-0.12948	0.896981	0.98034	Gng2
ENSMUSG0ENSMUSG0	496.8764	-0.25576	0.088937	-2.87574	0.004031	0.09174	Nemp2
ENSMUSG0ENSMUSG0	2138.07	0.045486	0.113769	0.399807	0.689299	0.931451	Edem3
ENSMUSG0ENSMUSG0	112.3916	-0.03896	0.137678	-0.283	0.777175	0.950382	Disc1
ENSMUSG0ENSMUSG0	778.9204	-0.07942	0.09473	-0.8384	0.401806	0.79975	Zfp513
ENSMUSG0ENSMUSG0	759.4123	-0.01239	0.084338	-0.14692	0.883199	0.976958	Tmem18
ENSMUSG0ENSMUSG0	730.7657	-0.09167	0.12171	-0.7532	0.45133	0.82689	Spice1
ENSMUSG0ENSMUSG0	572.2026	-0.14544	0.110226	-1.31948	0.187009	0.633812	Dpy19l1
ENSMUSG0ENSMUSG0	237.5545	-0.08437	0.134525	-0.62716	0.530552	0.869948	Fam89a
ENSMUSG0ENSMUSG0	462.662	-0.00091	0.134383	-0.0068	0.994572	0.998655	Synpo
ENSMUSG0ENSMUSG0	1301.161	-0.00907	0.103195	-0.08792	0.929939	0.985827	Zfp866
ENSMUSG0ENSMUSG0	6403.243	-0.01948	0.085027	-0.2291	0.818788	0.959981	Tuba1c
ENSMUSG0ENSMUSG0	1400.433	-0.09359	0.10149	-0.92217	0.35644	0.774962	Mob1a
ENSMUSG0ENSMUSG0	911.8006	0.029222	0.094098	0.310549	0.756144	0.944671	Tmem186
ENSMUSG0ENSMUSG0	124.3975	-0.05148	0.107062	-0.48082	0.630646	0.911457	Isdp
ENSMUSG0ENSMUSG0	2033.077	-0.11104	0.097312	-1.14107	0.253841	0.699751	Ppp2r3a
ENSMUSG0ENSMUSG0	79.10202	-0.01313	0.143954	-0.09123	0.927308	0.985705	Hpd1
ENSMUSG0ENSMUSG0	887.2723	0.103321	0.097911	1.055245	0.291313	0.730853	Pyurf
ENSMUSG0ENSMUSG0	211.5954	-0.03757	0.109946	-0.34169	0.732583	0.938791	Tmem212
ENSMUSG0ENSMUSG0	69.61267	-0.08778	0.142205	-0.61725	0.537068	0.873009	4930426D0
ENSMUSG0ENSMUSG0	748.8985	-0.09701	0.094024	-1.03175	0.302189	0.739759	Simc1
ENSMUSG0ENSMUSG0	406.8955	-0.10304	0.130914	-0.78706	0.431244	0.816305	Rfesd
ENSMUSG0ENSMUSG0	3709.185	-0.01598	0.084296	-0.18961	0.849612	0.969338	Zmpste24
ENSMUSG0ENSMUSG0	1002.634	0.148092	0.064616	2.291897	0.021912	0.235634	Upf2
ENSMUSG0ENSMUSG0	67.55079	-0.12641	0.145851	-0.86674	0.386086	0.792576	Fam129c
ENSMUSG0ENSMUSG0	203.7994	-0.13901	0.122699	-1.13293	0.257245	0.702471	Exoc3l
ENSMUSG0ENSMUSG0	1762.65	0.051794	0.101849	0.508532	0.61108	0.904473	Tmem64
ENSMUSG0ENSMUSG0	539.3092	-0.14435	0.086157	-1.67543	0.09385	0.480647	Pigv
ENSMUSG0ENSMUSG0	613.4882	-0.02555	0.096383	-0.26514	0.790904	0.954487	Uevld
ENSMUSG0ENSMUSG0	959.0639	-0.10069	0.100714	-0.99977	0.317421	0.750019	Trim56
ENSMUSG0ENSMUSG0	931.1556	0.177018	0.089011	1.988709	0.046733	0.34872	Tmem11
ENSMUSG0ENSMUSG0	224.9298	-0.16722	0.140362	-1.19136	0.233511	0.68322	Zfp784
ENSMUSG0ENSMUSG0	776.8732	-0.03851	0.140838	-0.27342	0.784531	0.953021	B3galnt1
ENSMUSG0ENSMUSG0	56.04174	-0.03781	0.145834	-0.25925	0.795442	0.955463	Kcnj6
ENSMUSG0ENSMUSG0	270.2183	-0.06773	0.13619	-0.49729	0.618985	0.907335	D17H6S53E
ENSMUSG0ENSMUSG0	165.3085	0.139666	0.121517	1.149355	0.250409	0.697484	Pcdhb19
ENSMUSG0ENSMUSG0	2469.894	-0.07473	0.083044	-0.8999	0.368175	0.784139	Fbrsl1

ENSMUSG0ENSMUSG0	41.88181	-0.13396	0.142474	-0.94021	0.34711	0.768692	Olfr975
ENSMUSG0ENSMUSG0	241.7649	-0.1037	0.125279	-0.82778	0.407794	0.802351	Rhbd12
ENSMUSG0ENSMUSG0	201.6383	-0.18229	0.134409	-1.35626	0.175017	0.617685	Gm6741
ENSMUSG0ENSMUSG0	229.6891	0.065032	0.112327	0.578947	0.562625	0.885011	Hexim2
ENSMUSG0ENSMUSG0	1932.902	0.256716	0.110867	2.315528	0.020584	0.227019	Gprasp1
ENSMUSG0ENSMUSG0	953.6747	-0.00555	0.11694	-0.04744	0.962166	0.994289	Tmem130
ENSMUSG0ENSMUSG0	858.5134	-0.03835	0.144994	-0.26449	0.791405	0.954487	2510009E0
ENSMUSG0ENSMUSG0	3506.9	0.039657	0.082689	0.479592	0.631518	0.911457	Usp48
ENSMUSG0ENSMUSG0	1671.726	0.045708	0.079012	0.578497	0.562929	0.885086	Chd3os
ENSMUSG0ENSMUSG0	135.2433	-0.01435	0.14471	-0.09918	0.920992	0.985705	Hilpda
ENSMUSG0ENSMUSG0	1163.056	0.070248	0.107057	0.656169	0.511715	0.861175	Eif3j2
ENSMUSG0ENSMUSG0	384.0875	-0.05043	0.091243	-0.55268	0.580485	0.892821	Leng9
ENSMUSG0ENSMUSG0	532.2461	0.002301	0.111125	0.020709	0.983478	0.997439	Epop
ENSMUSG0ENSMUSG0	2761.197	0.014526	0.111686	0.130059	0.896519	0.98034	Pgp
ENSMUSG0ENSMUSG0	44.62308	0.07692	0.139465	0.551536	0.581266	0.892821	Pcdh12
ENSMUSG0ENSMUSG0	592.0263	0.186904	0.114853	1.627332	0.103667	0.500588	Rab9b
ENSMUSG0ENSMUSG0	454.5115	-0.05774	0.123881	-0.46608	0.641156	0.914411	Zbtb37
ENSMUSG0ENSMUSG0	80.09402	-0.03165	0.079604	-0.39762	0.690911	0.931679	Gm6863
ENSMUSG0ENSMUSG0	47.13938	0.084112	0.146011	0.57607	0.564568	0.885853	9330132A1
ENSMUSG0ENSMUSG0	161.0395	-0.02383	0.067807	-0.35148	0.725231	0.938024	Lgals2
ENSMUSG0ENSMUSG0	196.9006	0.107647	0.128385	0.838474	0.401764	0.79975	Hscb
ENSMUSG0ENSMUSG0	1214.939	-0.05145	0.141702	-0.36309	0.71654	0.93588	Rai2
ENSMUSG0ENSMUSG0	2494.406	0.059348	0.095294	0.622787	0.533424	0.871779	Setx
ENSMUSG0ENSMUSG0	42.36521	-0.21942	0.141427	-1.55147	0.120789	0.533406	Casc1
ENSMUSG0ENSMUSG0	596.0867	0.025983	0.106373	0.244263	0.807027	0.958353	Zc2hc1a
ENSMUSG0ENSMUSG0	75.53019	-0.1336	0.145218	-0.91998	0.357584	0.776056	Fam90a1b
ENSMUSG0ENSMUSG0	148.6462	-0.33337	0.137379	-2.42662	0.01524	0.19346	Mdga1
ENSMUSG0ENSMUSG0	266.118	-0.01683	0.106564	-0.15793	0.874509	0.97593	Pars2
ENSMUSG0ENSMUSG0	574.7142	0.147168	0.125216	1.175317	0.239868	0.688236	Pxylp1
ENSMUSG0ENSMUSG0	182.3517	0.098291	0.108957	0.902102	0.367003	0.783537	Zfp3
ENSMUSG0ENSMUSG0	189.9696	0.116377	0.131404	0.885643	0.37581	0.78793	Vps37d
ENSMUSG0ENSMUSG0	68.27457	-0.17925	0.139069	-1.28896	0.197412	0.644399	Ubxn10
ENSMUSG0ENSMUSG0	750.2153	0.009667	0.135683	0.071247	0.943201	0.989	1700019D0
ENSMUSG0ENSMUSG0	42.31339	0.074154	0.14599	0.50794	0.611495	0.904588	Fam221b
ENSMUSG0ENSMUSG0	540.7906	-0.22474	0.145722	-1.54226	0.123009	0.535747	Rbm20
ENSMUSG0ENSMUSG0	77.83424	0.154946	0.145277	1.066559	0.286171	0.726741	0610009L1
ENSMUSG0ENSMUSG0	102.9039	-0.06247	0.14473	-0.43162	0.666016	0.925067	Tmem221
ENSMUSG0ENSMUSG0	1905.356	0.034935	0.131956	0.264747	0.791204	0.954487	Tox3
ENSMUSG0ENSMUSG0	870.5026	-0.04816	0.111556	-0.43169	0.665969	0.925067	Diras1
ENSMUSG0ENSMUSG0	435.4297	0.249279	0.12026	2.072842	0.038187	0.317596	Dpy19l3
ENSMUSG0ENSMUSG0	154.8583	-0.37555	0.145388	-2.58306	0.009793	0.151369	Kcns3
ENSMUSG0ENSMUSG0	2682.858	-0.0034	0.064627	-0.05254	0.958102	0.993017	Fem1a
ENSMUSG0ENSMUSG0	886.9346	0.040465	0.07228	0.559843	0.575587	0.890536	Pde12
ENSMUSG0ENSMUSG0	18777.27	0.090649	0.093573	0.968746	0.332672	0.75849	Rpl7
ENSMUSG0ENSMUSG0	170.6169	-0.31975	0.144606	-2.21121	0.027021	0.262366	Col6a6
ENSMUSG0ENSMUSG0	11991.87	0.246846	0.126508	1.951222	0.051031	0.364804	Ptpn11
ENSMUSG0ENSMUSG0	627.4951	-0.19115	0.145871	-1.31037	0.19007	0.637983	Dmrta1
ENSMUSG0ENSMUSG0	86.54373	-0.02797	0.144437	-0.19364	0.84646	0.968351	Pkhd1
ENSMUSG0ENSMUSG0	1404.907	0.187079	0.123004	1.520915	0.128281	0.547437	Gm12481
ENSMUSG0ENSMUSG0	126.6406	0.147226	0.145143	1.014355	0.310414	0.744597	1700048O2
ENSMUSG0ENSMUSG0	69.27189	0.024667	0.144647	0.170532	0.864592	0.973828	Bicdl2
ENSMUSG0ENSMUSG0	96.78619	0.088028	0.131568	0.669072	0.50345	0.856225	Rtn4r

ENSMUSG0ENSMUSG0	59.30225	-0.13099	0.144419	-0.907	0.364409	0.781659	Adamts15
ENSMUSG0ENSMUSG0	399.7122	-0.10687	0.089026	-1.20048	0.229952	0.680189	Lysmd4
ENSMUSG0ENSMUSG0	128.4177	-0.05451	0.145983	-0.37341	0.708843	0.934791	2900005J15
ENSMUSG0ENSMUSG0	510.9773	0.069768	0.128793	0.541707	0.58802	0.894311	Tmem145
ENSMUSG0ENSMUSG0	2788.955	0.047583	0.108658	0.43792	0.661444	0.923825	Taf10
ENSMUSG0ENSMUSG0	738.8377	0.324998	0.104136	3.120897	0.001803	0.052969	Zmym1
ENSMUSG0ENSMUSG0	867.9366	0.066762	0.116661	0.57228	0.567133	0.888146	Kbtbd7
ENSMUSG0ENSMUSG0	2458.685	-0.00272	0.090004	-0.03024	0.975876	0.996296	Slc36a4
ENSMUSG0ENSMUSG0	110.1234	-0.04502	0.143942	-0.31278	0.754448	0.944073	S1pr2
ENSMUSG0ENSMUSG0	2672.906	0.21273	0.108063	1.968562	0.049003	0.357744	Trp53bp1
ENSMUSG0ENSMUSG0	733.3404	0.117154	0.092949	1.260401	0.207525	0.655474	Ccdc84
ENSMUSG0ENSMUSG0	99.5206	-0.14108	0.145783	-0.96772	0.333183	0.758844	Ncmap
ENSMUSG0ENSMUSG0	499.0679	-0.12157	0.116596	-1.04264	0.297117	0.735611	Klhl15
ENSMUSG0ENSMUSG0	1904.274	0.069065	0.133975	0.515511	0.606196	0.902643	Wdfy3
ENSMUSG0ENSMUSG0	6610.869	0.068521	0.081841	0.837248	0.402453	0.799981	Thrap3
ENSMUSG0ENSMUSG0	1044.041	-0.10616	0.092383	-1.1491	0.250515	0.697484	Orai3
ENSMUSG0ENSMUSG0	287.6526	0.221179	0.145271	1.522534	0.127875	0.547329	Opn5
ENSMUSG0ENSMUSG0	881.6295	-0.19599	0.10986	-1.78404	0.074417	0.433401	Cep164
ENSMUSG0ENSMUSG0	963.6601	0.1877	0.07349	2.554082	0.010647	0.159172	Pura
ENSMUSG0ENSMUSG0	97.03883	-0.03743	0.120711	-0.31006	0.756516	0.944726	2900052L1
ENSMUSG0ENSMUSG0	2327.913	0.086228	0.068835	1.252688	0.210319	0.659576	Mgat2
ENSMUSG0ENSMUSG0	1137.056	-0.06065	0.137722	-0.44037	0.659666	0.922745	Gls2
ENSMUSG0ENSMUSG0	1570.886	0.091186	0.077892	1.170661	0.241735	0.689436	Mrpl50
ENSMUSG0ENSMUSG0	107.8648	0.012578	0.145141	0.086658	0.930943	0.986301	Pcdhb21
ENSMUSG0ENSMUSG0	325.9733	0.025287	0.141594	0.178585	0.858264	0.972271	Rell2
ENSMUSG0ENSMUSG0	1916.43	-0.08947	0.14308	-0.62535	0.531744	0.870719	Slc35g1
ENSMUSG0ENSMUSG0	2161.098	0.069771	0.082382	0.846923	0.397038	0.797477	Irf2bp1
ENSMUSG0ENSMUSG0	148.0162	-0.0502	0.144533	-0.34734	0.728338	0.938587	Fmn1
ENSMUSG0ENSMUSG0	698.8793	0.120084	0.132096	0.909072	0.363312	0.780897	Pcdhb14
ENSMUSG0ENSMUSG0	125.3493	-0.24206	0.129263	-1.87261	0.061122	0.397917	Ccr10
ENSMUSG0ENSMUSG0	1061.031	0.077616	0.088261	0.87939	0.37919	0.789493	Cep68
ENSMUSG0ENSMUSG0	480.2384	0.283278	0.107068	2.64578	0.00815	0.13773	Zrsr1
ENSMUSG0ENSMUSG0	631.8468	-0.24396	0.1247	-1.95634	0.050425	0.362966	Eml6
ENSMUSG0ENSMUSG0	1722.588	0.20466	0.106324	1.924866	0.054246	0.376679	S100a1
ENSMUSG0ENSMUSG0	848.0674	-0.04085	0.136766	-0.29871	0.765162	0.947561	Rsb1
ENSMUSG0ENSMUSG0	485.5463	0.163161	0.143561	1.136526	0.255736	0.701792	Fam109a
ENSMUSG0ENSMUSG0	37962	0.317523	0.072291	4.392297	1.12E-05	0.001605	Prss53
ENSMUSG0ENSMUSG0	60.46665	-0.03468	0.140196	-0.2474	0.804599	0.957462	1810024B0
ENSMUSG0ENSMUSG0	2205.931	0.028895	0.061283	0.471493	0.637289	0.912752	Arf6
ENSMUSG0ENSMUSG0	1012.279	-0.05527	0.072095	-0.76665	0.44329	0.822591	18100300C
ENSMUSG0ENSMUSG0	440.9818	0.104184	0.106288	0.980198	0.326988	0.754362	Nkrf
ENSMUSG0ENSMUSG0	786.668	-0.09151	0.107982	-0.84746	0.396736	0.797469	Bclaf3
ENSMUSG0ENSMUSG0	1550.831	0.080006	0.080191	0.997695	0.318427	0.75003	Lsm8
ENSMUSG0ENSMUSG0	12028.61	0.006221	0.083011	0.074943	0.94026	0.988086	Hepacam2
ENSMUSG0ENSMUSG0	139.0323	-0.29094	0.136061	-2.13833	0.03249	0.289526	Rnf182
ENSMUSG0ENSMUSG0	824.7037	-0.04719	0.085546	-0.55166	0.581179	0.892821	Foxo1
ENSMUSG0ENSMUSG0	39.60085	0.161129	0.131485	1.225453	0.220404	0.67141	Wfikkn2
ENSMUSG0ENSMUSG0	117.0418	-0.10382	0.112497	-0.92291	0.356055	0.774872	Gpr146
ENSMUSG0ENSMUSG0	1068.763	0.073645	0.07866	0.936255	0.349142	0.771146	Cdc25c
ENSMUSG0ENSMUSG0	59.08602	-0.38366	0.145391	-2.63885	0.008319	0.138933	Aqp5
ENSMUSG0ENSMUSG0	3796.697	-0.02542	0.072424	-0.35095	0.725626	0.93819	Grsf1
ENSMUSG0ENSMUSG0	1623.33	-0.00708	0.095392	-0.0742	0.940851	0.988134	Dnajc21

ENSMUSG0ENSMUSG0	152.1465	0.17669	0.1341	1.317595	0.187639	0.635227	Nxpe4
ENSMUSG0ENSMUSG0	52.35287	0.075893	0.145149	0.522863	0.60107	0.89918	Nhlrc1
ENSMUSG0ENSMUSG0	230.6959	-0.04489	0.13635	-0.32924	0.741976	0.94054	Il20rb
ENSMUSG0ENSMUSG0	182.5754	-0.22487	0.105372	-2.1341	0.032835	0.290469	Pced1b
ENSMUSG0ENSMUSG0	929.4432	0.183876	0.085019	2.162776	0.030558	0.280161	Osbpl1a
ENSMUSG0ENSMUSG0	3822.86	0.090236	0.125944	0.716474	0.473699	0.8419	Pcsk9
ENSMUSG0ENSMUSG0	893.2263	-0.00233	0.122011	-0.01909	0.984772	0.997439	Crb3
ENSMUSG0ENSMUSG0	5031.379	0.084046	0.092134	0.912214	0.361656	0.779844	Gm1821
ENSMUSG0ENSMUSG0	425.9077	-0.47337	0.111153	-4.25871	2.06E-05	0.002495	Cnr1
ENSMUSG0ENSMUSG0	3427.643	0.047764	0.113902	0.419346	0.674963	0.927604	Cdkn2a
ENSMUSG0ENSMUSG0	3158.488	-0.09498	0.091442	-1.0387	0.298945	0.737813	Ubr3
ENSMUSG0ENSMUSG0	1075.033	0.089848	0.075332	1.192703	0.232986	0.682501	Trp53i13
ENSMUSG0ENSMUSG0	213.9044	-0.21951	0.131902	-1.66421	0.096071	0.48614	Ackr3
ENSMUSG0ENSMUSG0	291.7952	0.113198	0.103386	1.094904	0.273559	0.716522	Alkbh2
ENSMUSG0ENSMUSG0	1080.368	0.120129	0.094738	1.268016	0.204792	0.652864	Phlpp1
ENSMUSG0ENSMUSG0	37.26931	-0.45088	0.144186	-3.1271	0.001765	0.052324	Marveld1
ENSMUSG0ENSMUSG0	831.3136	-0.05451	0.125644	-0.43387	0.664384	0.924679	Slc25a53
ENSMUSG0ENSMUSG0	69.91461	0.042551	0.14116	0.301439	0.763079	0.946679	Snhg11
ENSMUSG0ENSMUSG0	726.9656	0.086025	0.084293	1.020549	0.307468	0.743099	Lacc1
ENSMUSG0ENSMUSG0	3724.079	-0.15055	0.126029	-1.19458	0.232249	0.681917	Cxxc4
ENSMUSG0ENSMUSG0	83.87906	0.099638	0.127417	0.781979	0.434227	0.817738	Slc16a13
ENSMUSG0ENSMUSG0	301.2727	-0.00912	0.106307	-0.08578	0.931638	0.986608	Tigd3
ENSMUSG0ENSMUSG0	1385.018	-0.07174	0.108453	-0.66152	0.50828	0.858926	Dsg2
ENSMUSG0ENSMUSG0	1630.217	0.097221	0.064755	1.501368	0.13326	0.555893	Sptssa
ENSMUSG0ENSMUSG0	1085.935	0.149125	0.121533	1.227031	0.219811	0.670519	Camsap3
ENSMUSG0ENSMUSG0	800.8783	-0.14428	0.104918	-1.3752	0.169071	0.60965	N6amt1
ENSMUSG0ENSMUSG0	860.9919	-0.18042	0.111257	-1.62168	0.104871	0.501924	Dock5
ENSMUSG0ENSMUSG0	930.6352	-0.10637	0.114139	-0.93196	0.351359	0.772978	Zfp507
ENSMUSG0ENSMUSG0	9084.554	-0.03459	0.105994	-0.32635	0.74416	0.940717	Ffar1
ENSMUSG0ENSMUSG0	708.5271	-0.31677	0.128897	-2.45753	0.013989	0.185007	Shisa2
ENSMUSG0ENSMUSG0	1493.567	0.108559	0.105412	1.029853	0.303079	0.739759	Fam160a2
ENSMUSG0ENSMUSG0	1337.487	-0.04967	0.084822	-0.58559	0.55815	0.882863	Fam46c
ENSMUSG0ENSMUSG0	280.0025	0.025974	0.110695	0.234643	0.814486	0.959419	Tnfaip8l1
ENSMUSG0ENSMUSG0	969.7183	-0.09415	0.114153	-0.82475	0.409513	0.803007	Ascc1
ENSMUSG0ENSMUSG0	2233.499	0.12405	0.055127	2.250254	0.024433	0.249486	Zfand3
ENSMUSG0ENSMUSG0	1179.753	-0.05748	0.075994	-0.75641	0.449403	0.825288	2510039O1
ENSMUSG0ENSMUSG0	117.3409	-0.46258	0.128145	-3.60981	0.000306	0.017138	Hs3st5
ENSMUSG0ENSMUSG0	380.803	-0.10381	0.119717	-0.86712	0.385879	0.792576	Zfp758
ENSMUSG0ENSMUSG0	2495.99	-0.01052	0.084049	-0.12517	0.900392	0.981243	Bod1
ENSMUSG0ENSMUSG0	56.57336	-0.0195	0.14403	-0.13536	0.892328	0.979424	Lingo4
ENSMUSG0ENSMUSG0	194.4938	-0.11461	0.109198	-1.04955	0.293925	0.733714	Zfp488
ENSMUSG0ENSMUSG0	175.5959	0.100416	0.120903	0.830554	0.406226	0.801957	Tram1l1
ENSMUSG0ENSMUSG0	27272.5	0.160872	0.105182	1.529463	0.12615	0.542724	Rps2
ENSMUSG0ENSMUSG0	429.0289	0.019495	0.090554	0.215282	0.829547	0.963218	Dact1
ENSMUSG0ENSMUSG0	1162.952	0.05182	0.094695	0.547231	0.58422	0.893087	Tceal3
ENSMUSG0ENSMUSG0	42.02423	-0.11829	0.145954	-0.81048	0.417666	0.809848	9930012K1
ENSMUSG0ENSMUSG0	170.729	-0.00737	0.139676	-0.05277	0.957914	0.993017	Rasip1
ENSMUSG0ENSMUSG0	3452.322	0.05608	0.078838	0.711328	0.476881	0.843045	Acp1
ENSMUSG0ENSMUSG0	57.96026	-0.1255	0.137714	-0.91132	0.362129	0.780418	Dnd1
ENSMUSG0ENSMUSG0	4578.747	-0.0016	0.075719	-0.02111	0.983158	0.997428	Smim7
ENSMUSG0ENSMUSG0	506.4178	-0.00751	0.094742	-0.07926	0.936829	0.986886	Zbtb39
ENSMUSG0ENSMUSG0	6684.005	0.111869	0.092843	1.204927	0.228232	0.677662	Swi5

ENSMUSG0ENSMUSG0	68.44434	-0.3651	0.142968	-2.55373	0.010658	0.159172	Rnf208
ENSMUSG0ENSMUSG0	1316.519	0.088547	0.065498	1.35192	0.176401	0.619536	Cnrip1
ENSMUSG0ENSMUSG0	349.3162	-0.08657	0.100403	-0.86225	0.388548	0.794026	Csrnp2
ENSMUSG0ENSMUSG0	219.4189	-0.21766	0.109158	-1.99395	0.046158	0.346039	Pard6b
ENSMUSG0ENSMUSG0	111.301	-0.02282	0.075448	-0.30244	0.762315	0.946661	Gm7334
ENSMUSG0ENSMUSG0	131.2981	0.258365	0.120469	2.144655	0.03198	0.286709	Plppr4
ENSMUSG0ENSMUSG0	250.8401	-0.15624	0.120141	-1.3005	0.193428	0.639447	Fzd1
ENSMUSG0ENSMUSG0	1350.103	-0.04791	0.107363	-0.44624	0.655425	0.920184	Zfp612
ENSMUSG0ENSMUSG0	1473.325	0.101367	0.055191	1.836672	0.066258	0.413684	Tmem201
ENSMUSG0ENSMUSG0	54.47866	-0.14049	0.129869	-1.08174	0.279367	0.721123	Il27
ENSMUSG0ENSMUSG0	264.6342	0.108996	0.112881	0.965587	0.334251	0.759008	Palb2
ENSMUSG0ENSMUSG0	972.94	0.111923	0.096686	1.157595	0.247029	0.695372	Gemin7
ENSMUSG0ENSMUSG0	14396.72	0.090998	0.111688	0.814755	0.415212	0.807961	Slc38a6
ENSMUSG0ENSMUSG0	592.0332	0.400821	0.092708	4.323465	1.54E-05	0.001993	Gskip
ENSMUSG0ENSMUSG0	463.8974	-0.05545	0.106895	-0.51875	0.603936	0.901145	9930104L0
ENSMUSG0ENSMUSG0	779.1774	0.006962	0.084498	0.082387	0.934339	0.986608	Trmt10c
ENSMUSG0ENSMUSG0	2483.466	-0.00999	0.079409	-0.12581	0.899885	0.981243	D1Ert622e
ENSMUSG0ENSMUSG0	207.4447	0.381789	0.107644	3.546779	0.00039	0.020126	Scml4
ENSMUSG0ENSMUSG0	14125.31	-0.01087	0.110789	-0.09816	0.921808	0.985705	Hjurp
ENSMUSG0ENSMUSG0	649.564	0.072089	0.112556	0.640473	0.521865	0.866449	Zfp36
ENSMUSG0ENSMUSG0	1462.812	-0.06275	0.118569	-0.52924	0.596641	0.89784	Fads6
ENSMUSG0ENSMUSG0	2520.634	-0.00031	0.077393	-0.00397	0.996831	0.998953	Setd2
ENSMUSG0ENSMUSG0	4052.689	0.291378	0.0661	4.408133	1.04E-05	0.00155	Isca1
ENSMUSG0ENSMUSG0	314.0586	0.058043	0.102201	0.567929	0.570083	0.888936	Cyb5d1
ENSMUSG0ENSMUSG0	376.805	0.200689	0.091979	2.181892	0.029118	0.273828	Zfp354c
ENSMUSG0ENSMUSG0	747.2233	-0.00859	0.106828	-0.08037	0.93594	0.986886	Shb
ENSMUSG0ENSMUSG0	700.44	0.021284	0.12092	0.176019	0.860279	0.972626	D630023F1
ENSMUSG0ENSMUSG0	218.0782	-0.02918	0.122187	-0.2388	0.811262	0.95864	Ankrd45
ENSMUSG0ENSMUSG0	282.0501	0.096044	0.118354	0.811498	0.41708	0.808924	Lsm11
ENSMUSG0ENSMUSG0	73.40975	0.001082	0.141586	0.007639	0.993905	0.998612	1700056E2
ENSMUSG0ENSMUSG0	1595.96	0.020141	0.078979	0.255021	0.798707	0.956402	Lemd2
ENSMUSG0ENSMUSG0	878.042	-0.00542	0.104368	-0.05196	0.958562	0.993187	Ankrd50
ENSMUSG0ENSMUSG0	717.9782	0.0903	0.091011	0.99219	0.321105	0.751482	Zfp444
ENSMUSG0ENSMUSG0	247.1125	0.107707	0.133585	0.806279	0.420082	0.81145	Coa4
ENSMUSG0ENSMUSG0	6174.881	0.122651	0.109674	1.118326	0.263428	0.706792	Uqcrq
ENSMUSG0ENSMUSG0	1278.039	0.071045	0.095875	0.741017	0.458683	0.832245	4930503L1
ENSMUSG0ENSMUSG0	81.38618	-0.13257	0.122072	-1.08599	0.277485	0.719241	1700029115
ENSMUSG0ENSMUSG0	1390.708	-0.16764	0.123325	-1.35937	0.17403	0.616391	H1fx
ENSMUSG0ENSMUSG0	2461.032	-0.13936	0.065565	-2.1255	0.033545	0.294416	Sstr3
ENSMUSG0ENSMUSG0	3710.531	0.081298	0.133391	0.609471	0.542212	0.875015	Zfp367
ENSMUSG0ENSMUSG0	109.4287	-0.25645	0.12153	-2.11014	0.034847	0.302464	Ttc41
ENSMUSG0ENSMUSG0	307.1496	-0.05678	0.124957	-0.45443	0.649518	0.918645	Cfap43
ENSMUSG0ENSMUSG0	353.1834	0.400113	0.133752	2.991458	0.002776	0.071925	Ubtcd2
ENSMUSG0ENSMUSG0	783.4524	-0.11542	0.096647	-1.19424	0.232385	0.682081	Pwwp2a
ENSMUSG0ENSMUSG0	276.1614	-0.28342	0.128653	-2.20301	0.027594	0.265359	Kctd21
ENSMUSG0ENSMUSG0	87.61721	0.219323	0.144972	1.512866	0.130314	0.550676	Fbxo48
ENSMUSG0ENSMUSG0	768.2572	0.104322	0.080311	1.298977	0.193952	0.639447	Napepld
ENSMUSG0ENSMUSG0	416.6544	-0.17236	0.08499	-2.02802	0.042559	0.333069	Sft2d3
ENSMUSG0ENSMUSG0	238.4642	0.346015	0.122114	2.833543	0.004604	0.099086	Tst
ENSMUSG0ENSMUSG0	435.8112	0.122621	0.13213	0.928034	0.35339	0.773627	Ucn3
ENSMUSG0ENSMUSG0	186.2906	0.043046	0.116695	0.368877	0.71222	0.935647	1110034G2
ENSMUSG0ENSMUSG0	384.2176	-0.01263	0.091608	-0.1379	0.890323	0.978648	Fzd5

ENSMUSG0ENSMUSGC	586.5792	-0.19976	0.07915	-2.52377	0.01161	0.167236	Tubg2
ENSMUSG0ENSMUSGC	53.22622	-0.02694	0.14197	-0.18979	0.849473	0.969262	9030612E0
ENSMUSG0ENSMUSGC	888.2737	-0.13138	0.091026	-1.44327	0.148945	0.582148	Prtrt3
ENSMUSG0ENSMUSGC	161.9858	-0.3753	0.136643	-2.74658	0.006022	0.115275	Cetn4
ENSMUSG0ENSMUSGC	1698.29	-0.12739	0.077272	-1.64862	0.099226	0.491242	Prkce
ENSMUSG0ENSMUSGC	3516.617	0.008539	0.09807	0.087074	0.930613	0.986088	Megf8
ENSMUSG0ENSMUSGC	2547.148	-0.00257	0.102233	-0.02512	0.979959	0.996602	Lrfn4
ENSMUSG0ENSMUSGC	39.38773	-0.23639	0.14332	-1.64936	0.099073	0.491242	Prlhr
ENSMUSG0ENSMUSGC	445.1497	-0.01976	0.124485	-0.15871	0.8739	0.97593	Zc2hc1c
ENSMUSG0ENSMUSGC	636.601	0.088949	0.072269	1.230809	0.218394	0.668792	E130308A1
ENSMUSG0ENSMUSGC	1453.958	0.009183	0.085998	0.106785	0.914959	0.984248	Rnf216
ENSMUSG0ENSMUSGC	378.2974	-0.05883	0.143247	-0.4107	0.681291	0.929552	Magi1
ENSMUSG0ENSMUSGC	1210.323	-0.15256	0.095032	-1.60539	0.108407	0.510418	Kmt5b
ENSMUSG0ENSMUSGC	162.1283	0.104671	0.118504	0.883274	0.377088	0.788723	Slc25a26
ENSMUSG0ENSMUSGC	163.1694	0.018697	0.138796	0.134708	0.892842	0.979424	Dmd
ENSMUSG0ENSMUSGC	53.09917	0.093177	0.141296	0.659445	0.50961	0.859972	Ccdc73
ENSMUSG0ENSMUSGC	435.3423	-0.0562	0.119082	-0.47196	0.636956	0.912683	Saysd1
ENSMUSG0ENSMUSGC	17234.51	0.087199	0.132518	0.658021	0.510525	0.860553	Rpl18a
ENSMUSG0ENSMUSGC	387.7736	0.56484	0.110735	5.100814	3.38E-07	0.000129	Tubb2b
ENSMUSG0ENSMUSGC	331.2861	-0.04598	0.103639	-0.44361	0.657321	0.921426	Pigw
ENSMUSG0ENSMUSGC	975.5294	-0.04957	0.11244	-0.44086	0.659316	0.922449	Bola3
ENSMUSG0ENSMUSGC	133.4568	-0.11432	0.115592	-0.98899	0.322668	0.75233	Amer3
ENSMUSG0ENSMUSGC	239.7074	0.075423	0.12817	0.588464	0.556221	0.882493	Borcs6
ENSMUSG0ENSMUSGC	709.1483	0.090516	0.079223	1.14255	0.253226	0.699064	Shroom2
ENSMUSG0ENSMUSGC	1667.228	-0.02056	0.140022	-0.14684	0.883261	0.976958	Cirbp
ENSMUSG0ENSMUSGC	1104.408	0.084957	0.103579	0.820214	0.412094	0.805445	Dpy19l4
ENSMUSG0ENSMUSGC	1247.727	0.05942	0.116003	0.51223	0.60849	0.903796	Vcpip1
ENSMUSG0ENSMUSGC	666.9806	-0.13197	0.096062	-1.37383	0.169495	0.610191	Nudt18
ENSMUSG0ENSMUSGC	38.60623	-0.35736	0.145868	-2.4499	0.01429	0.186532	Asxl3
ENSMUSG0ENSMUSGC	2337.405	0.053225	0.097087	0.548221	0.58354	0.892957	Hs6st1
ENSMUSG0ENSMUSGC	60.55585	-0.19228	0.138518	-1.3881	0.165106	0.604318	BC106179
ENSMUSG0ENSMUSGC	417.8511	0.095681	0.090264	1.060005	0.289143	0.728677	1110012L1
ENSMUSG0ENSMUSGC	615.4653	0.068871	0.111575	0.617262	0.537062	0.873009	Med26
ENSMUSG0ENSMUSGC	445.4495	-0.17181	0.103974	-1.65243	0.098446	0.490347	Zfp688
ENSMUSG0ENSMUSGC	1233.267	0.012301	0.101311	0.121421	0.903357	0.982046	Zfp574
ENSMUSG0ENSMUSGC	496.1347	-0.03588	0.105522	-0.34007	0.733802	0.938791	Morn2
ENSMUSG0ENSMUSGC	148.8531	-0.12588	0.145949	-0.86247	0.38843	0.794026	Zfp691
ENSMUSG0ENSMUSGC	854.958	0.365352	0.082859	4.409322	1.04E-05	0.00155	Cenph
ENSMUSG0ENSMUSGC	44.79127	-0.2187	0.141813	-1.5422	0.123025	0.535747	Lca5l
ENSMUSG0ENSMUSGC	443.9432	-0.0037	0.110306	-0.03358	0.973213	0.995862	Tmem86b
ENSMUSG0ENSMUSGC	450.205	-0.05973	0.095151	-0.62777	0.530153	0.869704	Dcaf12l1
ENSMUSG0ENSMUSGC	2078.172	-0.02283	0.123836	-0.18436	0.853733	0.970114	Rtn4rl1
ENSMUSG0ENSMUSGC	257.5407	-0.06701	0.087745	-0.76367	0.445062	0.823581	Ush1g
ENSMUSG0ENSMUSGC	61.22613	0.033319	0.145737	0.228624	0.819161	0.960094	E330021D1
ENSMUSG0ENSMUSGC	5169.431	0.088281	0.145958	0.604841	0.545285	0.875495	Insig1
ENSMUSG0ENSMUSGC	4032.069	0.047152	0.067094	0.702776	0.482196	0.846451	Preb
ENSMUSG0ENSMUSGC	105.2435	-0.11822	0.12442	-0.95019	0.342016	0.764758	Lhfp12
ENSMUSG0ENSMUSGC	128.6909	-0.08508	0.125022	-0.68054	0.496164	0.853814	Sowahb
ENSMUSG0ENSMUSGC	876.382	0.117176	0.095934	1.221426	0.221925	0.672212	Fahd1
ENSMUSG0ENSMUSGC	3050.076	0.132971	0.097339	1.366065	0.171918	0.613744	Cenpe
ENSMUSG0ENSMUSGC	259.9649	-0.16669	0.107133	-1.55595	0.119719	0.531655	Nyap1
ENSMUSG0ENSMUSGC	459.6346	0.136405	0.120127	1.135506	0.256163	0.702061	Sh2d5

ENSMUSG0ENSMUSG0	51.49418	0.008858	0.145961	0.060691	0.951606	0.99204	Tnfrsf26
ENSMUSG0ENSMUSG0	986.4102	-0.13716	0.135937	-1.00903	0.312962	0.746673	Wdr81
ENSMUSG0ENSMUSG0	3899.953	-0.16277	0.088153	-1.84644	0.064829	0.410694	Epcam
ENSMUSG0ENSMUSG0	1736.293	-0.05368	0.086702	-0.61914	0.535827	0.872592	Trim39
ENSMUSG0ENSMUSG0	717.2987	-0.03369	0.128728	-0.26169	0.793563	0.955329	Akr1e1
ENSMUSG0ENSMUSG0	2660.852	0.019727	0.102353	0.192734	0.847168	0.968351	2410002F2
ENSMUSG0ENSMUSG0	1363.267	-0.1033	0.132162	-0.78163	0.434429	0.817775	1190002N1
ENSMUSG0ENSMUSG0	3460.85	-0.05687	0.093778	-0.60648	0.544195	0.87522	Hnrnp2
ENSMUSG0ENSMUSG0	844.4734	0.08725	0.101858	0.856583	0.391675	0.794949	Tmem60
ENSMUSG0ENSMUSG0	917.4191	0.103849	0.108279	0.95909	0.337513	0.760159	Cox19
ENSMUSG0ENSMUSG0	113.0653	-0.06295	0.138323	-0.45508	0.649049	0.918565	2810002D1
ENSMUSG0ENSMUSG0	516.2867	0.05093	0.087396	0.582746	0.560064	0.883939	Zfp956
ENSMUSG0ENSMUSG0	2869.639	-0.07417	0.079649	-0.93115	0.351774	0.773306	Trrap
ENSMUSG0ENSMUSG0	1431.842	-0.04562	0.102451	-0.44531	0.656093	0.920831	Sys1
ENSMUSG0ENSMUSG0	98.28427	-0.00679	0.143308	-0.04736	0.962225	0.994289	Gpr150
ENSMUSG0ENSMUSG0	270.7477	0.081221	0.122092	0.665246	0.505893	0.858217	Zfp560
ENSMUSG0ENSMUSG0	150.3459	-0.06394	0.142953	-0.44725	0.654694	0.919908	C1ql1
ENSMUSG0ENSMUSG0	616.7513	0.015003	0.10669	0.14062	0.88817	0.978595	Ddx28
ENSMUSG0ENSMUSG0	444.297	0.130441	0.142236	0.917073	0.359104	0.776599	Penk
ENSMUSG0ENSMUSG0	1111.79	-0.15818	0.106452	-1.48591	0.137302	0.564367	St7l
ENSMUSG0ENSMUSG0	2598.502	-0.10496	0.0565	-1.85764	0.06322	0.404949	Glb1
ENSMUSG0ENSMUSG0	715.2814	-0.11242	0.075763	-1.4839	0.137834	0.565337	Zfp553
ENSMUSG0ENSMUSG0	919.6475	0.178254	0.101109	1.762986	0.077903	0.442349	Esf1
ENSMUSG0ENSMUSG0	558.9087	-0.33191	0.106067	-3.12924	0.001753	0.052203	Mtus1
ENSMUSG0ENSMUSG0	923.3935	-0.13118	0.083661	-1.56801	0.116878	0.526066	Zfp629
ENSMUSG0ENSMUSG0	360.8926	-0.20888	0.112678	-1.85381	0.063767	0.406471	Plekha7
ENSMUSG0ENSMUSG0	194.0711	0.317149	0.137099	2.313278	0.020707	0.228191	Cdc42ep2
ENSMUSG0ENSMUSG0	1309.188	0.054472	0.103512	0.526239	0.598722	0.898722	Mfsd5
ENSMUSG0ENSMUSG0	195.9778	-0.05939	0.113928	-0.52127	0.602181	0.899847	Smtnl2
ENSMUSG0ENSMUSG0	900.1799	0.017593	0.13223	0.133047	0.894157	0.979691	Spred2
ENSMUSG0ENSMUSG0	3992.623	-0.00482	0.104204	-0.04628	0.963086	0.994289	Col27a1
ENSMUSG0ENSMUSG0	535.5316	-0.17355	0.129266	-1.34261	0.179397	0.623409	Pqlc3
ENSMUSG0ENSMUSG0	120.1789	0.00021	0.108544	0.001933	0.998457	0.998981	Wdr89
ENSMUSG0ENSMUSG0	1416.509	-0.00396	0.065822	-0.0601	0.95208	0.992239	Thtpa
ENSMUSG0ENSMUSG0	179.0711	-0.13341	0.1359	-0.98169	0.326254	0.754362	Sprn
ENSMUSG0ENSMUSG0	1393.522	0.152513	0.073729	2.068555	0.038588	0.319383	Mms22l
ENSMUSG0ENSMUSG0	5641.552	-0.07414	0.08722	-0.85003	0.395307	0.796836	Tssc4
ENSMUSG0ENSMUSG0	411.1059	-0.05249	0.135447	-0.38756	0.698343	0.933691	Zfp764
ENSMUSG0ENSMUSG0	1724.569	-0.0342	0.135494	-0.25244	0.800702	0.956594	Baspl
ENSMUSG0ENSMUSG0	5835.256	-0.00666	0.113348	-0.0588	0.953115	0.992357	B230219D2
ENSMUSG0ENSMUSG0	418.7291	-0.12576	0.087986	-1.42928	0.152923	0.589042	Ccdc149
ENSMUSG0ENSMUSG0	885.8356	-0.02831	0.130131	-0.21757	0.827762	0.962901	Whamm
ENSMUSG0ENSMUSG0	880.5661	-0.18402	0.120573	-1.5262	0.126959	0.54498	Zfp36l2
ENSMUSG0ENSMUSG0	232.941	0.032271	0.096846	0.333214	0.738973	0.940232	Zswim3
ENSMUSG0ENSMUSG0	69.39748	0.113955	0.135463	0.841228	0.40022	0.79975	Serpinb9
ENSMUSG0ENSMUSG0	788.6204	-0.16872	0.098551	-1.71199	0.086898	0.464219	A430105119
ENSMUSG0ENSMUSG0	423.1745	-0.06248	0.120082	-0.5203	0.602857	0.900216	Lym2
ENSMUSG0ENSMUSG0	151.5155	-0.17953	0.123291	-1.45612	0.14536	0.575464	Cradd
ENSMUSG0ENSMUSG0	847.5692	-0.26526	0.146011	-1.81671	0.069262	0.421786	Slitrk6
ENSMUSG0ENSMUSG0	472.2272	-0.01458	0.14563	-0.10011	0.920259	0.985705	Gm9803
ENSMUSG0ENSMUSG0	4761.973	-0.02457	0.087419	-0.2811	0.778637	0.951114	Paip2b
ENSMUSG0ENSMUSG0	480.3035	-0.21581	0.122113	-1.76727	0.077183	0.440336	Npas4

ENSMUSG0ENSMUSGC	1269.256	-0.22717	0.077043	-2.94862	0.003192	0.078629	C2cd4c
ENSMUSG0ENSMUSGC	279.1658	-0.30517	0.133877	-2.27948	0.022638	0.240111	Tmem268
ENSMUSG0ENSMUSGC	512.8144	0.003767	0.132932	0.02834	0.977391	0.996394	Ifit2
ENSMUSG0ENSMUSGC	535.1514	-0.08616	0.121062	-0.71167	0.47667	0.843045	Mtmr11
ENSMUSG0ENSMUSGC	1580.682	0.035754	0.090435	0.39536	0.692577	0.932146	Mrps12
ENSMUSG0ENSMUSGC	6254.046	0.013133	0.074086	0.177266	0.859299	0.972503	Wnk1
ENSMUSG0ENSMUSGC	2362.181	-0.14889	0.11462	-1.29899	0.193947	0.639447	Gpr158
ENSMUSG0ENSMUSGC	990.0896	-0.04143	0.110437	-0.37514	0.707556	0.934791	Ing1
ENSMUSG0ENSMUSGC	3231.163	0.042637	0.073708	0.57846	0.562953	0.885086	Slc25a51
ENSMUSG0ENSMUSGC	1052.102	-0.29075	0.103352	-2.81319	0.004905	0.102353	C2cd2
ENSMUSG0ENSMUSGC	656.8363	0.330293	0.09413	3.508893	0.00045	0.022527	Tmem104
ENSMUSG0ENSMUSGC	13575.08	0.174615	0.059733	2.92324	0.003464	0.082687	Eif4g1
ENSMUSG0ENSMUSGC	2726.045	-0.03462	0.101357	-0.34156	0.732685	0.938791	Onecut2
ENSMUSG0ENSMUSGC	242.0075	-0.12436	0.144697	-0.85946	0.390085	0.794806	B3gat1
ENSMUSG0ENSMUSGC	600.7894	0.14564	0.105401	1.38177	0.167042	0.60626	Polr2k
ENSMUSG0ENSMUSGC	359.64	0.010022	0.096271	0.104102	0.917088	0.984548	Zfp830
ENSMUSG0ENSMUSGC	927.9472	0.068027	0.094069	0.723163	0.46958	0.839782	Pofut1
ENSMUSG0ENSMUSGC	294.7104	0.017888	0.141848	0.126104	0.899649	0.981243	Stard5
ENSMUSG0ENSMUSGC	1701.786	0.091603	0.061076	1.499824	0.13366	0.556757	Snx12
ENSMUSG0ENSMUSGC	627.5741	0.052835	0.103336	0.511292	0.609147	0.903796	Otulin
ENSMUSG0ENSMUSGC	51.58755	-0.44366	0.145717	-3.04469	0.002329	0.063671	Sbsn
ENSMUSG0ENSMUSGC	566.1757	0.029702	0.103308	0.287512	0.77372	0.949821	Eid2
ENSMUSG0ENSMUSGC	3717.448	0.018236	0.115594	0.157756	0.874649	0.97593	Ppp1r15b
ENSMUSG0ENSMUSGC	1007.851	-0.11929	0.104457	-1.14197	0.253465	0.699292	Igfals
ENSMUSG0ENSMUSGC	2412.424	0.041963	0.080413	0.521845	0.601778	0.899471	Lrrc8d
ENSMUSG0ENSMUSGC	1003.246	0.039406	0.102838	0.383182	0.701585	0.934077	BC030336
ENSMUSG0ENSMUSGC	1765.922	-0.00085	0.106107	-0.00805	0.993577	0.998555	Cep295
ENSMUSG0ENSMUSGC	842.4674	-0.09351	0.138916	-0.67317	0.500839	0.855664	9930021J01
ENSMUSG0ENSMUSGC	1592.038	0.046167	0.108651	0.424909	0.670903	0.92606	Pat11
ENSMUSG0ENSMUSGC	353.7119	0.003496	0.088181	0.039648	0.968373	0.995519	Fut10
ENSMUSG0ENSMUSGC	2674.434	0.123707	0.133704	0.92523	0.354847	0.774327	Tmem229b
ENSMUSG0ENSMUSGC	975.6918	-0.33456	0.087277	-3.83336	0.000126	0.009655	Chrm3
ENSMUSG0ENSMUSGC	429.7136	-0.48558	0.124181	-3.91024	9.22E-05	0.007655	Nxph1
ENSMUSG0ENSMUSGC	2215.922	-0.03011	0.134205	-0.22439	0.822453	0.961285	E2f8
ENSMUSG0ENSMUSGC	116.7784	-0.24957	0.145	-1.72117	0.08522	0.460072	Gsg1l
ENSMUSG0ENSMUSGC	335.6804	-0.06185	0.116533	-0.53074	0.595597	0.896811	Zfp84
ENSMUSG0ENSMUSGC	834.1465	0.052114	0.073145	0.712475	0.476171	0.843045	Pcdhb20
ENSMUSG0ENSMUSGC	1833.521	0.065085	0.095057	0.684699	0.493534	0.852885	Scaf8
ENSMUSG0ENSMUSGC	480.4919	0.20901	0.106003	1.971728	0.048641	0.355952	Pnma2
ENSMUSG0ENSMUSGC	74.70169	-0.09015	0.129747	-0.69479	0.487186	0.849937	Olfr735
ENSMUSG0ENSMUSGC	1080.693	0.257413	0.126296	2.038163	0.041534	0.330996	Rprml
ENSMUSG0ENSMUSGC	40.68416	0.049683	0.145957	0.340396	0.733559	0.938791	C230012O1
ENSMUSG0ENSMUSGC	76.44849	0.150698	0.140878	1.069701	0.284754	0.725586	Plaur
ENSMUSG0ENSMUSGC	714.5735	-0.06549	0.145761	-0.44931	0.653205	0.919812	Scand1
ENSMUSG0ENSMUSGC	1005.488	0.06608	0.139223	0.474634	0.635048	0.912468	Vps13a
ENSMUSG0ENSMUSGC	96.29274	-0.03668	0.128408	-0.28565	0.775144	0.950088	Usp27x
ENSMUSG0ENSMUSGC	701.4576	-0.20852	0.105158	-1.98297	0.047371	0.350612	Ankle1
ENSMUSG0ENSMUSGC	1162.043	-0.09613	0.125815	-0.76403	0.444847	0.823581	Zfp62
ENSMUSG0ENSMUSGC	228.7835	0.178854	0.097956	1.825857	0.067872	0.418697	Al464131
ENSMUSG0ENSMUSGC	60.14252	-0.21958	0.145856	-1.50547	0.132203	0.55486	Stxbp6
ENSMUSG0ENSMUSGC	578.9824	0.010242	0.145824	0.070233	0.944009	0.989226	Hs3st2
ENSMUSG0ENSMUSGC	1014.378	-0.38583	0.080586	-4.78778	1.69E-06	0.000432	Ermp1

ENSMUSG0ENSMUSGC	1423.008	-0.23253	0.111841	-2.07909	0.037609	0.314792	Slc25a23
ENSMUSG0ENSMUSGC	10044.13	0.120291	0.10877	1.105917	0.268762	0.711911	Rpl37a
ENSMUSG0ENSMUSGC	906.7653	0.02772	0.116438	0.238068	0.811828	0.958679	Zfp322a
ENSMUSG0ENSMUSGC	4973.095	0.110586	0.115235	0.959657	0.337228	0.760159	Rpl27a
ENSMUSG0ENSMUSGC	60.69422	0.04991	0.142464	0.350334	0.726088	0.938285	Gm5590
ENSMUSG0ENSMUSGC	515.5402	-0.04629	0.130389	-0.35501	0.72258	0.937706	Asphd1
ENSMUSG0ENSMUSGC	345.6564	-0.04498	0.082825	-0.54304	0.5871	0.894311	Jrk
ENSMUSG0ENSMUSGC	268.7135	-0.12284	0.115968	-1.05925	0.289484	0.728999	Pcdhb17
ENSMUSG0ENSMUSGC	641.53	0.010571	0.096162	0.10993	0.912465	0.983954	Yod1
ENSMUSG0ENSMUSGC	83.05796	0.046954	0.146011	0.32158	0.747771	0.942084	1700067K0
ENSMUSG0ENSMUSGC	74.26744	-0.26937	0.129683	-2.07717	0.037785	0.31528	Kcnk6
ENSMUSG0ENSMUSGC	538.6883	0.074431	0.079038	0.941705	0.346344	0.767934	Lrrc75a
ENSMUSG0ENSMUSGC	15281.47	0.088397	0.089481	0.98788	0.323211	0.752677	Bex3
ENSMUSG0ENSMUSGC	12431.42	0.099301	0.071764	1.383723	0.166443	0.605329	Hnrnpa1
ENSMUSG0ENSMUSGC	648.4911	0.046377	0.119701	0.38744	0.698431	0.933691	Cmtr2
ENSMUSG0ENSMUSGC	1158.424	-0.21528	0.082088	-2.62258	0.008727	0.141566	Ppm1e
ENSMUSG0ENSMUSGC	9288.919	-0.18942	0.076566	-2.47392	0.013364	0.180622	Camk2n1
ENSMUSG0ENSMUSGC	232.3774	-0.24657	0.145469	-1.69503	0.090071	0.472774	Nexmif
ENSMUSG0ENSMUSGC	2020.519	0.003775	0.1054	0.035815	0.97143	0.995539	Cox17
ENSMUSG0ENSMUSGC	1024.584	0.062817	0.09079	0.691886	0.489009	0.850627	Golph3l
ENSMUSG0ENSMUSGC	66.88248	-0.09568	0.126007	-0.75933	0.447655	0.824078	Ar
ENSMUSG0ENSMUSGC	271.362	0.019184	0.118397	0.16203	0.871282	0.975692	Zfp526
ENSMUSG0ENSMUSGC	598.1006	-0.02185	0.143708	-0.15205	0.879146	0.976529	Fam43a
ENSMUSG0ENSMUSGC	174.551	0.113904	0.128229	0.888286	0.374387	0.787458	Spin2c
ENSMUSG0ENSMUSGC	1093.776	0.012488	0.136692	0.091358	0.927208	0.985705	Zfp319
ENSMUSG0ENSMUSGC	3298.365	0.195601	0.066777	2.929192	0.003398	0.081798	Unc119b
ENSMUSG0ENSMUSGC	367.2395	0.017126	0.08748	0.19577	0.84479	0.967714	4930430F0
ENSMUSG0ENSMUSGC	274.0658	-0.06835	0.10614	-0.64397	0.519594	0.864933	Zfp518b
ENSMUSG0ENSMUSGC	549.2734	0.084242	0.110114	0.765037	0.44425	0.823181	Lymr4
ENSMUSG0ENSMUSGC	1763.562	0.071959	0.09724	0.740017	0.45929	0.832245	Prr12
ENSMUSG0ENSMUSGC	758.3298	0.049488	0.098182	0.504045	0.61423	0.905841	Ticrr
ENSMUSG0ENSMUSGC	2972.637	-0.0054	0.072768	-0.07414	0.940897	0.988134	Tmem215
ENSMUSG0ENSMUSGC	1417.93	-0.06623	0.081059	-0.81703	0.413909	0.807543	Bdh1
ENSMUSG0ENSMUSGC	296.1434	0.088575	0.117359	0.754735	0.450408	0.826098	Tcaim
ENSMUSG0ENSMUSGC	158.2809	-0.17644	0.129545	-1.362	0.173197	0.615469	B3gnt1l
ENSMUSG0ENSMUSGC	1569.693	-0.07025	0.128896	-0.54505	0.585719	0.894063	Vwa5b2
ENSMUSG0ENSMUSGC	528.4764	-0.05004	0.077722	-0.64378	0.519717	0.86503	Zfp316
ENSMUSG0ENSMUSGC	286.5208	-0.06638	0.109393	-0.60681	0.543977	0.875214	Rbm12b1
ENSMUSG0ENSMUSGC	4761.683	0.102789	0.052956	1.941052	0.052252	0.370335	Cxxc5
ENSMUSG0ENSMUSGC	1728.986	0.082928	0.081329	1.019663	0.307888	0.743099	Mtfr1l
ENSMUSG0ENSMUSGC	904.0989	0.019041	0.122016	0.156055	0.875989	0.97593	Tmem251
ENSMUSG0ENSMUSGC	633.7811	-0.04974	0.107962	-0.4607	0.645015	0.915385	C87436
ENSMUSG0ENSMUSGC	666.8214	-0.28045	0.134169	-2.0903	0.036591	0.309565	Tifa
ENSMUSG0ENSMUSGC	5595.219	-0.10039	0.090493	-1.10938	0.267266	0.71039	Chtf8
ENSMUSG0ENSMUSGC	1301.376	0.235838	0.107505	2.193743	0.028254	0.269609	Fam46b
ENSMUSG0ENSMUSGC	2160.519	0.060404	0.125887	0.479824	0.631353	0.911457	Csnk2a2
ENSMUSG0ENSMUSGC	1551.367	-0.04029	0.100241	-0.40188	0.68777	0.931173	Mapk10
ENSMUSG0ENSMUSGC	716.6553	-0.06252	0.085919	-0.72767	0.466816	0.837742	Hmga1
ENSMUSG0ENSMUSGC	111.6203	0.0213	0.143889	0.148034	0.882316	0.97694	Bst2
ENSMUSG0ENSMUSGC	145.2442	0.168897	0.145954	1.157195	0.247193	0.695372	Nxph3
ENSMUSG0ENSMUSGC	47.06096	0.011545	0.036375	0.317389	0.750949	0.942731	Rpl14-ps1
ENSMUSG0ENSMUSGC	1263.281	-0.16314	0.076038	-2.1455	0.031913	0.286709	Cdc42se1

ENSMUSG0ENSMUSGC	4114.7	0.116804	0.101165	1.154587	0.24826	0.695618	Cystm1
ENSMUSG0ENSMUSGC	252.0242	-0.11635	0.099616	-1.16794	0.24283	0.689924	Kctd11
ENSMUSG0ENSMUSGC	96.92691	-0.36037	0.129768	-2.77703	0.005486	0.110104	Gprc5a
ENSMUSG0ENSMUSGC	141.5646	-0.3371	0.133475	-2.52558	0.011551	0.166556	Fat4
ENSMUSG0ENSMUSGC	438.4084	-0.17186	0.077008	-2.23178	0.02563	0.256431	Ccdc66
ENSMUSG0ENSMUSGC	1856.908	0.267318	0.089652	2.981736	0.002866	0.073436	Mrps7
ENSMUSG0ENSMUSGC	1005.806	-0.43926	0.097009	-4.52806	5.95E-06	0.001121	Fam83h
ENSMUSG0ENSMUSGC	3644.768	0.10509	0.076963	1.365459	0.172109	0.613849	Epm2aip1
ENSMUSG0ENSMUSGC	237.2197	-0.06776	0.111602	-0.60715	0.54375	0.875214	Riox1
ENSMUSG0ENSMUSGC	759.697	0.006373	0.11116	0.057335	0.954279	0.992518	Zfp787
ENSMUSG0ENSMUSGC	1203.287	0.003126	0.099899	0.031293	0.975036	0.996035	Cldn12
ENSMUSG0ENSMUSGC	159.0234	-0.0932	0.125076	-0.74511	0.456204	0.830235	3110062M
ENSMUSG0ENSMUSGC	54.6452	0.152003	0.145515	1.044586	0.296215	0.735498	Lrrc75b
ENSMUSG0ENSMUSGC	277.1064	-0.20482	0.115064	-1.78006	0.075065	0.435125	Atp10d
ENSMUSG0ENSMUSGC	46.78466	-0.07225	0.143097	-0.50492	0.613617	0.905522	Gchfr
ENSMUSG0ENSMUSGC	379.3135	0.004261	0.118494	0.035962	0.971312	0.995539	Ddit4l
ENSMUSG0ENSMUSGC	1104.123	-0.1979	0.084385	-2.34524	0.019015	0.217114	Slc39a3
ENSMUSG0ENSMUSGC	283.5409	-0.19787	0.107413	-1.84215	0.065453	0.411922	Fam187b
ENSMUSG0ENSMUSGC	3538.177	-0.00153	0.075636	-0.02017	0.98391	0.997439	Brox
ENSMUSG0ENSMUSGC	1625.102	0.058011	0.064689	0.896758	0.369848	0.784801	Ckap4
ENSMUSG0ENSMUSGC	8050.805	0.380446	0.140178	2.714008	0.006647	0.122561	Vat1l
ENSMUSG0ENSMUSGC	136.9941	0.009139	0.145895	0.062641	0.950052	0.991323	Pip5kl1
ENSMUSG0ENSMUSGC	1168.222	0.080303	0.058579	1.370857	0.170419	0.611543	Hectd3
ENSMUSG0ENSMUSGC	420.3945	-0.10787	0.096178	-1.12157	0.262046	0.705635	Pramef8
ENSMUSG0ENSMUSGC	2631.95	0.162191	0.089918	1.803759	0.071269	0.426243	Fbl
ENSMUSG0ENSMUSGC	779.3264	-0.0435	0.117078	-0.37157	0.710214	0.935164	Mbtps2
ENSMUSG0ENSMUSGC	691.9162	-0.2248	0.106971	-2.10151	0.035596	0.304814	Atxn1
ENSMUSG0ENSMUSGC	641.9381	0.134378	0.137844	0.974856	0.329632	0.756038	Irgm1
ENSMUSG0ENSMUSGC	92.51858	-0.20154	0.133269	-1.51229	0.130459	0.550676	Olfr374
ENSMUSG0ENSMUSGC	1463.957	-0.11006	0.092268	-1.19283	0.232937	0.682501	Zfp740
ENSMUSG0ENSMUSGC	277.4953	0.056661	0.102368	0.553497	0.579923	0.892779	Tefm
ENSMUSG0ENSMUSGC	616.5436	0.072353	0.08648	0.836642	0.402794	0.799981	Adck2
ENSMUSG0ENSMUSGC	800.1318	-0.02267	0.086379	-0.26242	0.792999	0.955301	Nqo2
ENSMUSG0ENSMUSGC	50.86641	0.258464	0.144254	1.791722	0.073177	0.431177	Slc26a1
ENSMUSG0ENSMUSGC	1000.801	-0.14874	0.089029	-1.6707	0.094782	0.48418	Zbtb21
ENSMUSG0ENSMUSGC	4063.088	-0.16522	0.118761	-1.39124	0.164153	0.603036	Tshz1
ENSMUSG0ENSMUSGC	2049.741	0.050745	0.093984	0.539935	0.589242	0.894902	Tapt1
ENSMUSG0ENSMUSGC	289.5169	0.007723	0.126956	0.060835	0.951491	0.992011	Mars2
ENSMUSG0ENSMUSGC	759.2487	-0.20015	0.090468	-2.21237	0.026941	0.262366	Spsb4
ENSMUSG0ENSMUSGC	606.3746	0.04465	0.096777	0.461371	0.644532	0.915184	Zfp41
ENSMUSG0ENSMUSGC	137.8411	-0.29208	0.118017	-2.47488	0.013328	0.180322	Fbxo41
ENSMUSG0ENSMUSGC	217.7185	0.128218	0.125213	1.023997	0.305837	0.741542	Mipol1
ENSMUSG0ENSMUSGC	724.7357	0.109415	0.094295	1.160346	0.245908	0.69389	Spata2
ENSMUSG0ENSMUSGC	130.2694	0.050331	0.126595	0.397577	0.690942	0.931679	Pcdhb15
ENSMUSG0ENSMUSGC	2236.09	-0.05558	0.108389	-0.51283	0.608073	0.903741	Zfp445
ENSMUSG0ENSMUSGC	523.3057	0.011643	0.098153	0.118621	0.905575	0.982338	Nipa1
ENSMUSG0ENSMUSGC	268.2013	0.132309	0.136681	0.968009	0.33304	0.758648	Prr15l
ENSMUSG0ENSMUSGC	1788.745	0.086482	0.089663	0.964528	0.334781	0.759008	D030056L2
ENSMUSG0ENSMUSGC	1762.292	-0.11188	0.123448	-0.90632	0.364766	0.781919	Tmem164
ENSMUSG0ENSMUSGC	736.488	-0.07168	0.104023	-0.68912	0.490748	0.852074	Dusp28
ENSMUSG0ENSMUSGC	1121.886	0.049551	0.088256	0.56144	0.574497	0.890536	Ngrn
ENSMUSG0ENSMUSGC	228.5755	0.149806	0.10839	1.38211	0.166938	0.606045	Tmem198b

ENSMUSG0ENSMUSG0	733.7585	-0.18721	0.080555	-2.32395	0.020128	0.224583	Rnf31
ENSMUSG0ENSMUSG0	494.6323	0.031529	0.099082	0.318208	0.750327	0.942407	Fam221a
ENSMUSG0ENSMUSG0	144.2652	-0.04775	0.104969	-0.45491	0.649176	0.918645	Ankdd1b
ENSMUSG0ENSMUSG0	692.9458	0.017891	0.104625	0.171	0.864224	0.973828	Ticam1
ENSMUSG0ENSMUSG0	14579.6	0.026415	0.077196	0.342188	0.732209	0.938791	Cltc
ENSMUSG0ENSMUSG0	6088.807	-0.08465	0.108627	-0.77925	0.435834	0.818229	Cd24a
ENSMUSG0ENSMUSG0	1274.339	0.047885	0.123057	0.389128	0.697181	0.933418	Zfp654
ENSMUSG0ENSMUSG0	176.1903	0.159327	0.145264	1.096803	0.272727	0.715515	Tet1
ENSMUSG0ENSMUSG0	585.0495	-0.06265	0.130798	-0.47897	0.631962	0.911472	Khnyln
ENSMUSG0ENSMUSG0	440.8188	-0.53252	0.131777	-4.04108	5.32E-05	0.00511	Neurl3
ENSMUSG0ENSMUSG0	2165.629	-0.12074	0.110145	-1.09623	0.27298	0.71564	Samd14
ENSMUSG0ENSMUSG0	9402.104	0.084083	0.055164	1.524238	0.127449	0.546381	Rab2a
ENSMUSG0ENSMUSG0	1303.948	-0.02967	0.124809	-0.23769	0.812121	0.958721	Dync2h1
ENSMUSG0ENSMUSG0	1002.415	0.076404	0.081059	0.942568	0.345902	0.767414	Dusp18
ENSMUSG0ENSMUSG0	2590.671	0.099537	0.106142	0.937775	0.34836	0.770178	Ythdf3
ENSMUSG0ENSMUSG0	11370.52	0.123555	0.11076	1.115515	0.26463	0.707886	Rpl9
ENSMUSG0ENSMUSG0	1260.185	0.133718	0.087527	1.527735	0.126578	0.544085	Fam185a
ENSMUSG0ENSMUSG0	73.47835	0.043408	0.131827	0.329276	0.741947	0.94054	Gm527
ENSMUSG0ENSMUSG0	40.38606	-0.00042	0.142529	-0.00294	0.997655	0.998981	A2ml1
ENSMUSG0ENSMUSG0	2452.877	0.020064	0.054864	0.36571	0.714581	0.935647	Mageh1
ENSMUSG0ENSMUSG0	1200.07	-0.07256	0.125802	-0.57676	0.564103	0.885572	Taf9b
ENSMUSG0ENSMUSG0	77.19498	-0.11733	0.145898	-0.80421	0.421276	0.812025	Hist1h2be
ENSMUSG0ENSMUSG0	1816.284	-0.09602	0.092827	-1.03442	0.300938	0.739127	C2cd3
ENSMUSG0ENSMUSG0	1260.295	0.093326	0.111566	0.836507	0.40287	0.799981	Emc6
ENSMUSG0ENSMUSG0	911.0972	0.34996	0.123429	2.835309	0.004578	0.099004	Gap43
ENSMUSG0ENSMUSG0	1180.105	-0.02871	0.124251	-0.23105	0.817277	0.959822	Zfp358
ENSMUSG0ENSMUSG0	97.93158	-0.17091	0.133769	-1.27762	0.201383	0.648649	Sfn
ENSMUSG0ENSMUSG0	2550.945	0.012225	0.101649	0.120268	0.904271	0.982338	Neurl4
ENSMUSG0ENSMUSG0	44.55751	0.079622	0.139653	0.570142	0.568581	0.888146	Pcdhb13
ENSMUSG0ENSMUSG0	838.8124	0.083586	0.079642	1.049527	0.293936	0.733714	Abhd17b
ENSMUSG0ENSMUSG0	73.63909	-0.00128	0.145672	-0.00881	0.992974	0.998539	Dnah14
ENSMUSG0ENSMUSG0	107.7619	0.013739	0.112198	0.122457	0.902537	0.981785	Gm7367
ENSMUSG0ENSMUSG0	669.3166	-0.03491	0.102628	-0.34017	0.733727	0.938791	Zfp768
ENSMUSG0ENSMUSG0	1353.77	0.142415	0.117003	1.217183	0.223535	0.673577	B4gat1
ENSMUSG0ENSMUSG0	990.6448	-0.01936	0.098876	-0.19576	0.844797	0.967714	Atmin
ENSMUSG0ENSMUSG0	367.2192	-0.2065	0.144338	-1.43065	0.152532	0.588765	Tgif1
ENSMUSG0ENSMUSG0	1967.222	0.084123	0.083748	1.004487	0.315144	0.747985	Ctdspl
ENSMUSG0ENSMUSG0	892.5426	0.002554	0.138033	0.018505	0.985236	0.997549	Zbtb44
ENSMUSG0ENSMUSG0	114.5637	-0.37955	0.142069	-2.67161	0.007549	0.131386	Flrt2
ENSMUSG0ENSMUSG0	1569.533	-0.08065	0.092852	-0.86858	0.385079	0.792388	Rexo1
ENSMUSG0ENSMUSG0	937.0018	0.208471	0.123307	1.690669	0.0909	0.474214	Al837181
ENSMUSG0ENSMUSG0	590.9235	0.100085	0.088665	1.128799	0.258983	0.703765	Xxylt1
ENSMUSG0ENSMUSG0	1076.313	-0.04641	0.1007	-0.4609	0.644869	0.915385	Arl4a
ENSMUSG0ENSMUSG0	1536.733	0.015372	0.070704	0.217414	0.827886	0.962961	Gphn
ENSMUSG0ENSMUSG0	4034.2	0.107395	0.122922	0.873682	0.382291	0.790739	Dynlrb1
ENSMUSG0ENSMUSG0	337.5161	-0.15178	0.129847	-1.16893	0.242433	0.689768	8030462N1
ENSMUSG0ENSMUSG0	147.3411	-0.0016	0.107315	-0.01489	0.988123	0.998385	Zfp30
ENSMUSG0ENSMUSG0	83.31448	-0.12549	0.124408	-1.00868	0.313126	0.746673	Rnf152
ENSMUSG0ENSMUSG0	40.78056	-0.10396	0.145992	-0.71208	0.476416	0.843045	Adamts12
ENSMUSG0ENSMUSG0	288.0721	-0.00526	0.126909	-0.04148	0.966916	0.994978	Mroh7
ENSMUSG0ENSMUSG0	2990.008	-0.01142	0.054934	-0.20794	0.835276	0.964924	Tsyp11
ENSMUSG0ENSMUSG0	1077.417	-0.08351	0.099655	-0.83795	0.402059	0.79975	Mis18bp1

ENSMUSG0ENSMUSGC	1414.949	0.07017	0.064252	1.092108	0.274786	0.716894	Fbxo28
ENSMUSG0ENSMUSGC	6128.949	0.028623	0.084837	0.337394	0.73582	0.939059	Cltb
ENSMUSG0ENSMUSGC	2665.661	0.107056	0.126109	0.848918	0.395927	0.797139	Tmem41b
ENSMUSG0ENSMUSGC	278.4499	-0.11998	0.133764	-0.89694	0.369749	0.784801	Lxn
ENSMUSG0ENSMUSGC	139.8727	0.037124	0.137901	0.269205	0.787772	0.954125	Tyw3
ENSMUSG0ENSMUSGC	4578.128	0.127228	0.0911	1.396573	0.162542	0.601189	Mafa
ENSMUSG0ENSMUSGC	301.972	0.141417	0.117715	1.201351	0.229615	0.679793	Zfp235
ENSMUSG0ENSMUSGC	1132.162	-0.02771	0.092659	-0.29905	0.764901	0.947561	A430005L1
ENSMUSG0ENSMUSGC	568.4393	0.099488	0.125484	0.792833	0.427875	0.815002	Paxx
ENSMUSG0ENSMUSGC	61.39898	0.296315	0.145814	2.032143	0.042139	0.33254	Apof
ENSMUSG0ENSMUSGC	112.1105	-0.10945	0.139588	-0.78409	0.432987	0.817148	Fgfbp3
ENSMUSG0ENSMUSGC	627.2321	-0.06658	0.091262	-0.72951	0.465689	0.836748	2810006K2
ENSMUSG0ENSMUSGC	121.5618	0.141732	0.135808	1.04362	0.296661	0.735498	Nr1h4
ENSMUSG0ENSMUSGC	60.41072	-0.21795	0.145069	-1.50238	0.132998	0.555792	Krt87
ENSMUSG0ENSMUSGC	343.8976	-0.02212	0.144246	-0.15334	0.878127	0.976224	Fbxo30
ENSMUSG0ENSMUSGC	816.4048	0.039899	0.086569	0.460895	0.644874	0.915385	Cd3eap
ENSMUSG0ENSMUSGC	100.9304	0.004936	0.129626	0.038075	0.969628	0.995539	Tssk6
ENSMUSG0ENSMUSGC	345.0946	0.12044	0.128825	0.934912	0.349834	0.771455	Trpt1
ENSMUSG0ENSMUSGC	14261.83	0.153836	0.112102	1.372291	0.169973	0.611308	Rps8
ENSMUSG0ENSMUSGC	2459.422	-0.25751	0.085573	-3.00926	0.002619	0.069354	Yipf6
ENSMUSG0ENSMUSGC	42.35735	0.276011	0.144429	1.911055	0.055998	0.382862	Ccdc144b
ENSMUSG0ENSMUSGC	70.53924	0.12739	0.14593	0.872951	0.38269	0.790739	Olfr1388
ENSMUSG0ENSMUSGC	945.7352	0.077673	0.085021	0.913567	0.360944	0.778938	Champ1
ENSMUSG0ENSMUSGC	702.1913	-0.24613	0.091049	-2.70325	0.006866	0.124537	Ust
ENSMUSG0ENSMUSGC	3992.003	0.035455	0.062433	0.567893	0.570108	0.888936	Ppp1r2
ENSMUSG0ENSMUSGC	417.9028	0.052127	0.099426	0.524279	0.600084	0.898993	Ubiad1
ENSMUSG0ENSMUSGC	861.9178	-0.0469	0.126054	-0.37209	0.709826	0.934993	Bola2
ENSMUSG0ENSMUSGC	80.20265	0.583658	0.131319	4.444572	8.81E-06	0.001436	Fcgbp
ENSMUSG0ENSMUSGC	1454.034	-0.00885	0.08781	-0.10077	0.919735	0.985705	Wbp1l
ENSMUSG0ENSMUSGC	926.2632	0.10564	0.137607	0.767691	0.442671	0.822413	Samd9l
ENSMUSG0ENSMUSGC	41.72916	0.269745	0.124359	2.169075	0.030077	0.277986	Fbxo40
ENSMUSG0ENSMUSGC	944.2002	-0.33916	0.096203	-3.52543	0.000423	0.021489	Rnf150
ENSMUSG0ENSMUSGC	361.6968	0.015707	0.09115	0.172323	0.863183	0.973439	Zc3hav1l
ENSMUSG0ENSMUSGC	548.3338	0.195464	0.101284	1.929862	0.053624	0.37516	Fancb
ENSMUSG0ENSMUSGC	808.1668	-0.02962	0.094499	-0.31345	0.75394	0.943979	Lrrc49
ENSMUSG0ENSMUSGC	960.6703	0.051517	0.101751	0.506303	0.612644	0.904986	Atg16l2
ENSMUSG0ENSMUSGC	983.4045	0.037452	0.060444	0.619621	0.535508	0.872592	Phf13
ENSMUSG0ENSMUSGC	545.783	0.010408	0.130697	0.079637	0.936526	0.986886	Lix1
ENSMUSG0ENSMUSGC	68.27283	0.03953	0.138445	0.28553	0.775238	0.950088	Flrt1
ENSMUSG0ENSMUSGC	161.0017	-0.15876	0.107826	-1.47235	0.140926	0.571183	Slc38a9
ENSMUSG0ENSMUSGC	62.41988	-0.11832	0.145172	-0.815	0.41507	0.807961	Sned1
ENSMUSG0ENSMUSGC	645.528	-0.04188	0.064942	-0.64493	0.518975	0.864548	Akap10
ENSMUSG0ENSMUSGC	52.26926	-0.08439	0.136619	-0.61774	0.536749	0.873009	Ccdc88b
ENSMUSG0ENSMUSGC	2061.213	-0.03572	0.059633	-0.59903	0.54915	0.878363	Pygo2
ENSMUSG0ENSMUSGC	835.4701	-0.01965	0.070604	-0.27834	0.780751	0.95154	Cdca4
ENSMUSG0ENSMUSGC	574.7913	-0.02205	0.129617	-0.17012	0.864912	0.973828	Diras2
ENSMUSG0ENSMUSGC	1217.254	-0.044	0.133697	-0.32911	0.742069	0.940569	Bri3
ENSMUSG0ENSMUSGC	1941.014	0.057282	0.130201	0.439947	0.659976	0.922889	Bex4
ENSMUSG0ENSMUSGC	2591.519	0.13767	0.109967	1.251921	0.210599	0.659576	Lonp2
ENSMUSG0ENSMUSGC	184.2675	0.071307	0.115529	0.617223	0.537088	0.873009	Gpr157
ENSMUSG0ENSMUSGC	3322.889	0.185593	0.067896	2.733473	0.006267	0.117988	Usp14
ENSMUSG0ENSMUSGC	1570.853	0.085611	0.066011	1.296918	0.194659	0.640278	Rell1

ENSMUSG0ENSMUSGC	1520.024	-0.03591	0.095836	-0.37466	0.707912	0.934791	Tnrc6b
ENSMUSG0ENSMUSGC	720.5202	-0.0371	0.088304	-0.42016	0.674371	0.927604	Ankrd16
ENSMUSG0ENSMUSGC	267.9642	-0.00568	0.116638	-0.0487	0.961161	0.994289	Pcdhb16
ENSMUSG0ENSMUSGC	1913.833	0.053413	0.085749	0.622895	0.533353	0.871779	Trappc9
ENSMUSG0ENSMUSGC	902.2537	-0.29778	0.10638	-2.79925	0.005122	0.105335	Marcksl1
ENSMUSG0ENSMUSGC	615.1836	0.091519	0.134344	0.681226	0.495729	0.853814	Stbd1
ENSMUSG0ENSMUSGC	1033.932	-0.03067	0.07362	-0.41655	0.677009	0.927788	Ino80c
ENSMUSG0ENSMUSGC	430.4933	-0.08603	0.140495	-0.61237	0.540296	0.873794	C2cd4a
ENSMUSG0ENSMUSGC	1896.987	-0.03249	0.108281	-0.30004	0.76415	0.947461	Gigyf2
ENSMUSG0ENSMUSGC	540.6728	0.183285	0.134311	1.364634	0.172368	0.614084	Timm8a1
ENSMUSG0ENSMUSGC	143.9395	0.0829	0.135971	0.609684	0.542071	0.875015	Zfp473
ENSMUSG0ENSMUSGC	132.7499	-0.04132	0.143625	-0.28771	0.773569	0.949821	Neurod4
ENSMUSG0ENSMUSGC	42.22015	-0.31026	0.144967	-2.14022	0.032337	0.288938	Tmem229a
ENSMUSG0ENSMUSGC	606.3256	0.130609	0.072492	1.801692	0.071594	0.427603	Rgmb
ENSMUSG0ENSMUSGC	864.396	-0.26585	0.081763	-3.25144	0.001148	0.039887	Isg20l2
ENSMUSG0ENSMUSGC	1195.543	0.145612	0.08996	1.618631	0.105527	0.504136	Arxes2
ENSMUSG0ENSMUSGC	643.2582	-0.12766	0.118284	-1.07928	0.280461	0.721619	Zbtb33
ENSMUSG0ENSMUSGC	1514.365	-0.11766	0.142093	-0.82806	0.407635	0.802351	Ldlrad3
ENSMUSG0ENSMUSGC	17603.09	0.01398	0.058758	0.237924	0.81194	0.958679	Arf1
ENSMUSG0ENSMUSGC	2491.219	-0.06915	0.118042	-0.58578	0.558026	0.882863	Tenm4
ENSMUSG0ENSMUSGC	781.2978	0.095458	0.067721	1.409576	0.158665	0.59683	Taf13
ENSMUSG0ENSMUSGC	496.6016	-0.17492	0.095128	-1.83878	0.065948	0.413509	4632415L0
ENSMUSG0ENSMUSGC	1760.926	-0.02406	0.117253	-0.20521	0.837411	0.965548	Tmem72
ENSMUSG0ENSMUSGC	797.2178	0.110405	0.124343	0.887901	0.374594	0.787458	Rbm15
ENSMUSG0ENSMUSGC	367.7811	0.017367	0.118172	0.146966	0.883159	0.976958	Arid4a
ENSMUSG0ENSMUSGC	1688.449	0.283921	0.133942	2.119736	0.034028	0.297876	Col6a3
ENSMUSG0ENSMUSGC	72.37677	-0.15634	0.142874	-1.09422	0.273857	0.716676	Dmrt2
ENSMUSG0ENSMUSGC	1926.272	0.03696	0.133494	0.27687	0.78188	0.951693	Kmt2d
ENSMUSG0ENSMUSGC	2249.221	0.139073	0.082348	1.688845	0.091249	0.474778	Mcmcbp
ENSMUSG0ENSMUSGC	145.1158	-0.06052	0.125333	-0.48289	0.629172	0.910993	Tmem81
ENSMUSG0ENSMUSGC	917.0299	0.013438	0.08728	0.153966	0.877637	0.976224	Asb8
ENSMUSG0ENSMUSGC	456.937	-0.24041	0.091811	-2.61852	0.008831	0.142912	Bend7
ENSMUSG0ENSMUSGC	156.3473	0.261452	0.126221	2.071383	0.038323	0.317781	Cracr2b
ENSMUSG0ENSMUSGC	305.0028	0.093497	0.108481	0.861876	0.388756	0.794086	Gpr85
ENSMUSG0ENSMUSGC	677.7032	-0.29152	0.095837	-3.04183	0.002351	0.064147	Amigo2
ENSMUSG0ENSMUSGC	1844.376	0.068517	0.055763	1.228705	0.219182	0.669212	Mfap1b
ENSMUSG0ENSMUSGC	46.30771	-0.01052	0.137873	-0.07627	0.939205	0.987897	Fbxo43
ENSMUSG0ENSMUSGC	402.7823	-0.10201	0.122772	-0.8309	0.406031	0.801957	Fbxo10
ENSMUSG0ENSMUSGC	736.0546	-0.19331	0.081149	-2.3821	0.017214	0.204196	Rnf149
ENSMUSG0ENSMUSGC	432.8899	0.194689	0.107779	1.806364	0.070862	0.425044	Gng7
ENSMUSG0ENSMUSGC	967.913	-0.04681	0.142414	-0.32868	0.742398	0.940596	Crebrf
ENSMUSG0ENSMUSGC	897.8931	0.076022	0.098411	0.772493	0.439823	0.820748	Dip2c
ENSMUSG0ENSMUSGC	2004.428	-0.05713	0.12057	-0.47385	0.635605	0.912525	Rbm33
ENSMUSG0ENSMUSGC	1884.359	-0.20527	0.089052	-2.3051	0.021161	0.231284	Syngn2
ENSMUSG0ENSMUSGC	2046.447	-0.23322	0.103605	-2.25101	0.024385	0.249486	Sacs
ENSMUSG0ENSMUSGC	403.8822	0.304039	0.085618	3.551108	0.000384	0.02003	Zfp738
ENSMUSG0ENSMUSGC	80.59936	-0.16026	0.145053	-1.10482	0.269236	0.711945	Frmd6
ENSMUSG0ENSMUSGC	2195.759	0.021318	0.088805	0.240056	0.810286	0.958353	Ankrd46
ENSMUSG0ENSMUSGC	1797.326	-0.16135	0.091382	-1.76568	0.077449	0.441289	Pskh1
ENSMUSG0ENSMUSGC	3260.974	0.061471	0.063845	0.962816	0.33564	0.759008	Ckap2l
ENSMUSG0ENSMUSGC	38.64089	-0.27947	0.145894	-1.91557	0.055419	0.380087	Mfsd6l
ENSMUSG0ENSMUSGC	758.1439	0.072958	0.107124	0.681059	0.495834	0.853814	Ric3

ENSMUSG0ENSMUSGC	126.9202	0.271457	0.131508	2.064188	0.039	0.32091	Pcdhcb18
ENSMUSG0ENSMUSGC	206.4119	-0.18626	0.133646	-1.39367	0.163417	0.602536	Pou4f1
ENSMUSG0ENSMUSGC	759.0699	0.14381	0.127636	1.126718	0.259862	0.704211	Coa7
ENSMUSG0ENSMUSGC	432.8388	0.051267	0.110432	0.464236	0.642479	0.914852	Arxes1
ENSMUSG0ENSMUSGC	588.2509	0.258166	0.145977	1.768542	0.07697	0.440061	Pdp2
ENSMUSG0ENSMUSGC	146.6041	0.009469	0.113722	0.083267	0.933639	0.986608	F2r
ENSMUSG0ENSMUSGC	1033.501	0.019619	0.104704	0.187371	0.85137	0.969606	Socs4
ENSMUSG0ENSMUSGC	1773.069	-0.22654	0.098124	-2.30869	0.020961	0.229472	Scrt1
ENSMUSG0ENSMUSGC	2281.4	-0.19718	0.097911	-2.01392	0.044018	0.337833	Fam171b
ENSMUSG0ENSMUSGC	257.1958	-0.12389	0.122953	-1.0076	0.313646	0.747195	B330016D1
ENSMUSG0ENSMUSGC	416.0554	0.005313	0.11462	0.046352	0.96303	0.994289	Zfp407
ENSMUSG0ENSMUSGC	281.043	0.076235	0.127057	0.600005	0.548503	0.877854	Mlf1
ENSMUSG0ENSMUSGC	2060.462	0.046864	0.065111	0.719748	0.47168	0.841221	Timm29
ENSMUSG0ENSMUSGC	331.3975	-0.05343	0.093664	-0.57041	0.5684	0.888146	Nupl2
ENSMUSG0ENSMUSGC	603.3954	-0.06558	0.082585	-0.79406	0.427158	0.81459	Cyp4f16
ENSMUSG0ENSMUSGC	262.8976	-0.18887	0.110052	-1.71623	0.08612	0.462936	Ccdc57
ENSMUSG0ENSMUSGC	1796.708	0.127351	0.09764	1.304291	0.192134	0.638822	Msx1
ENSMUSG0ENSMUSGC	601.3105	-0.00746	0.128819	-0.05793	0.953806	0.992357	Fam212b
ENSMUSG0ENSMUSGC	103.3811	0.154558	0.141548	1.091916	0.27487	0.716894	Spata33
ENSMUSG0ENSMUSGC	955.217	0.076414	0.088714	0.861355	0.389043	0.79455	Mypop
ENSMUSG0ENSMUSGC	164.7232	-0.2571	0.126939	-2.02539	0.042827	0.333998	Bdnf
ENSMUSG0ENSMUSGC	37.61707	-0.1272	0.145946	-0.87158	0.383438	0.790739	Zdhhc22
ENSMUSG0ENSMUSGC	83.4948	0.322046	0.122567	2.627502	0.008601	0.140729	Zbtb8b
ENSMUSG0ENSMUSGC	2066.16	0.125165	0.051603	2.425547	0.015285	0.193851	Fitm2
ENSMUSG0ENSMUSGC	460.0344	-0.32935	0.131124	-2.51176	0.012013	0.169925	Nrip1
ENSMUSG0ENSMUSGC	394.6053	0.098723	0.112682	0.876122	0.380964	0.79028	Tyw5
ENSMUSG0ENSMUSGC	685.283	-0.21322	0.091849	-2.3214	0.020265	0.22529	Mmgt2
ENSMUSG0ENSMUSGC	57.73287	0.004792	0.145886	0.032845	0.973799	0.995862	Fbxl13
ENSMUSG0ENSMUSGC	722.6566	-0.08954	0.089582	-0.9995	0.317552	0.750019	Phldb1
ENSMUSG0ENSMUSGC	378.8594	0.087152	0.094484	0.922402	0.356319	0.774872	Nhlh2
ENSMUSG0ENSMUSGC	1066.747	-0.03133	0.120461	-0.2601	0.794783	0.955451	Tob2
ENSMUSG0ENSMUSGC	547.0104	-0.15082	0.088669	-1.7009	0.088962	0.470022	Thnsl1
ENSMUSG0ENSMUSGC	198.5423	-0.05301	0.136006	-0.38976	0.696714	0.933418	Sp8
ENSMUSG0ENSMUSGC	16646.31	0.049135	0.077904	0.630705	0.528234	0.869141	Mlec
ENSMUSG0ENSMUSGC	88.17119	-0.34217	0.141806	-2.41296	0.015824	0.197494	E130311K1
ENSMUSG0ENSMUSGC	37444.61	-0.02555	0.101051	-0.2528	0.800421	0.956574	Igf2
ENSMUSG0ENSMUSGC	60.50399	-0.14963	0.14451	-1.03543	0.300468	0.738843	Myof
ENSMUSG0ENSMUSGC	262.5551	0.067508	0.137845	0.489737	0.62432	0.908041	Rtbdn
ENSMUSG0ENSMUSGC	118.9187	0.037524	0.117435	0.31953	0.749325	0.942352	Olf1r1336
ENSMUSG0ENSMUSGC	447.6337	-0.2525	0.096646	-2.61261	0.008985	0.144251	Ctxn1
ENSMUSG0ENSMUSGC	49.0826	0.165038	0.143172	1.152726	0.249023	0.696015	Exd1
ENSMUSG0ENSMUSGC	861.08	-0.06874	0.104638	-0.65692	0.51123	0.860852	Lemd3
ENSMUSG0ENSMUSGC	1133.947	0.036435	0.096185	0.3788	0.704836	0.93471	Rhno1
ENSMUSG0ENSMUSGC	291.7226	0.075239	0.121393	0.619799	0.53539	0.872582	Tpcn2
ENSMUSG0ENSMUSGC	336.1726	0.048207	0.127025	0.379509	0.70431	0.93471	Mex3d
ENSMUSG0ENSMUSGC	56.75849	-0.45038	0.145717	-3.0908	0.001996	0.056773	Krt90
ENSMUSG0ENSMUSGC	2715.256	0.213072	0.107182	1.987951	0.046817	0.348768	Ccdc6
ENSMUSG0ENSMUSGC	933.5508	-0.23174	0.125997	-1.83927	0.065876	0.413509	Lurap1l
ENSMUSG0ENSMUSGC	439.4981	-0.06262	0.117842	-0.53142	0.595125	0.896659	Tprn
ENSMUSG0ENSMUSGC	263.4409	-0.17606	0.112885	-1.55968	0.118836	0.529492	Tbc1d12
ENSMUSG0ENSMUSGC	203.1735	-0.11956	0.145022	-0.82444	0.409692	0.803007	Fndc9
ENSMUSG0ENSMUSGC	239.1692	-0.16551	0.127533	-1.29779	0.194359	0.639901	Ggnbp1

ENSMUSG0ENSMUSG0	111.509	0.233693	0.140783	1.659948	0.096925	0.486645	Klhl11
ENSMUSG0ENSMUSG0	523.8079	-0.04252	0.105582	-0.40276	0.687125	0.931173	Mcat
ENSMUSG0ENSMUSG0	1196.067	-0.08796	0.103562	-0.84937	0.395678	0.797111	Foxo3
ENSMUSG0ENSMUSG0	12186.93	-0.11384	0.107174	-1.06217	0.288159	0.728621	Rpl29
ENSMUSG0ENSMUSG0	57.18787	-0.09062	0.145354	-0.62342	0.533011	0.871743	Tmem53
ENSMUSG0ENSMUSG0	1576.11	-0.54187	0.074284	-7.29454	3.00E-13	2.00E-09	P2ry6
ENSMUSG0ENSMUSG0	1259.525	0.159659	0.11447	1.394768	0.163086	0.602041	Dcun1d3
ENSMUSG0ENSMUSG0	600.417	-0.27324	0.102562	-2.66412	0.007719	0.132963	Cyb561d1
ENSMUSG0ENSMUSG0	1426.006	-0.1981	0.058844	-3.36659	0.000761	0.031015	Cep120
ENSMUSG0ENSMUSG0	1295.619	-0.05937	0.087815	-0.67604	0.499016	0.854405	Slc35e4
ENSMUSG0ENSMUSG0	1068.925	-0.05939	0.136637	-0.43465	0.663817	0.924679	Dact2
ENSMUSG0ENSMUSG0	114.974	0.334685	0.143056	2.339537	0.019308	0.218532	Pkd1l3
ENSMUSG0ENSMUSG0	1774.53	0.04259	0.09073	0.46941	0.638777	0.91331	Vps37c
ENSMUSG0ENSMUSG0	2520.575	-0.21598	0.077984	-2.76949	0.005614	0.111845	Slc39a9
ENSMUSG0ENSMUSG0	64.44266	0.108241	0.142011	0.762198	0.445942	0.824037	Slc25a47
ENSMUSG0ENSMUSG0	2528.181	-0.09062	0.111141	-0.81539	0.41485	0.807961	Phf3
ENSMUSG0ENSMUSG0	2210.548	-0.03833	0.081736	-0.46892	0.639129	0.913618	Hexim1
ENSMUSG0ENSMUSG0	324.9305	-0.1296	0.098699	-1.31311	0.189146	0.636696	Cdk5r1
ENSMUSG0ENSMUSG0	515.2871	-0.0534	0.115144	-0.46379	0.642797	0.914852	Zfp710
ENSMUSG0ENSMUSG0	1514.413	-0.04545	0.098239	-0.4627	0.643583	0.914944	Rimkla
ENSMUSG0ENSMUSG0	184.4707	-0.04561	0.132754	-0.34357	0.73117	0.938791	Rnf24
ENSMUSG0ENSMUSG0	2246.016	-0.07141	0.085964	-0.83068	0.406153	0.801957	Efna5
ENSMUSG0ENSMUSG0	1391.272	-0.05907	0.070055	-0.84325	0.399086	0.799428	Fkrp
ENSMUSG0ENSMUSG0	333.5177	0.036514	0.102897	0.354861	0.722694	0.937706	Zfp689
ENSMUSG0ENSMUSG0	1865.6	-0.00887	0.109434	-0.08105	0.935401	0.986761	Cdca2
ENSMUSG0ENSMUSG0	1315.962	-0.07008	0.091753	-0.76381	0.444979	0.823581	Tada3
ENSMUSG0ENSMUSG0	136.2656	0.13257	0.142703	0.928988	0.352895	0.773559	Gm6206
ENSMUSG0ENSMUSG0	1137.473	0.053043	0.113437	0.467603	0.640068	0.914081	Mrgpre
ENSMUSG0ENSMUSG0	1728.342	0.017809	0.069607	0.255856	0.798062	0.956402	C1galt1c1
ENSMUSG0ENSMUSG0	820.7054	-0.21755	0.091157	-2.38651	0.017009	0.203604	Nrsn1
ENSMUSG0ENSMUSG0	778.8221	0.051558	0.105673	0.487899	0.625621	0.908394	Atxn7l2
ENSMUSG0ENSMUSG0	239.9554	-0.18434	0.141275	-1.30481	0.191957	0.638822	Ndnf
ENSMUSG0ENSMUSG0	301.6073	-0.04254	0.105975	-0.4014	0.688123	0.931363	Tmem121
ENSMUSG0ENSMUSG0	295.8805	0.069102	0.104168	0.663375	0.50709	0.85875	Mterf2
ENSMUSG0ENSMUSG0	3219.753	0.023034	0.069543	0.331222	0.740477	0.940232	Rapgef4
ENSMUSG0ENSMUSG0	2940.828	-0.06829	0.137597	-0.49628	0.619695	0.907483	Armxc3
ENSMUSG0ENSMUSG0	1690.954	0.104359	0.099348	1.050438	0.293517	0.733452	Acap2
ENSMUSG0ENSMUSG0	716.9447	0.078155	0.102323	0.763807	0.444983	0.823581	Bmyc
ENSMUSG0ENSMUSG0	1476.887	0.004913	0.096812	0.050752	0.959523	0.993336	Zadh2
ENSMUSG0ENSMUSG0	2680.31	-0.02757	0.108158	-0.2549	0.798804	0.956433	Sephs2
ENSMUSG0ENSMUSG0	62.61869	-0.14877	0.137739	-1.08011	0.280092	0.72136	Gpr137c
ENSMUSG0ENSMUSG0	68.86706	-0.21681	0.133841	-1.61994	0.105246	0.503079	Ankrd34a
ENSMUSG0ENSMUSG0	995.8131	-0.13355	0.095387	-1.4001	0.161484	0.600934	Pcdh10
ENSMUSG0ENSMUSG0	1087.346	-0.13648	0.0993	-1.3744	0.169317	0.610039	Dcaf5
ENSMUSG0ENSMUSG0	1856.081	-0.22818	0.109499	-2.08388	0.037171	0.312496	Oxtr
ENSMUSG0ENSMUSG0	586.9733	0.02389	0.090379	0.264329	0.791527	0.954487	Fam110b
ENSMUSG0ENSMUSG0	45.28873	-0.11885	0.142406	-0.83459	0.40395	0.800157	Frmd3
ENSMUSG0ENSMUSG0	525.6577	0.181176	0.113679	1.593758	0.11099	0.515233	Gm8186
ENSMUSG0ENSMUSG0	66.71486	0.13212	0.141554	0.933355	0.350637	0.772225	Plcx3
ENSMUSG0ENSMUSG0	52.77557	0.197907	0.14585	1.356921	0.174806	0.617608	Ugt3a2
ENSMUSG0ENSMUSG0	2607.587	0.088841	0.109248	0.8132	0.416103	0.808479	Fam183b
ENSMUSG0ENSMUSG0	512.0494	-0.18683	0.117299	-1.59275	0.111217	0.515656	Zfp518a

ENSMUSG0ENSMUSGC	237.8805	0.140551	0.130734	1.075089	0.282335	0.723398	Purg
ENSMUSG0ENSMUSGC	1012.225	0.179165	0.144784	1.237465	0.215914	0.667088	Rtl5
ENSMUSG0ENSMUSGC	489.8996	0.023179	0.100695	0.230186	0.817947	0.959879	Pdp1
ENSMUSG0ENSMUSGC	352.1735	-0.14207	0.110082	-1.29058	0.19685	0.643523	Tigd2
ENSMUSG0ENSMUSGC	638.0467	-0.03177	0.121412	-0.26165	0.793594	0.955329	Scn3b
ENSMUSG0ENSMUSGC	137.6336	-0.1553	0.135539	-1.14578	0.251885	0.697958	Mblac1
ENSMUSG0ENSMUSGC	360.2339	-0.22773	0.127138	-1.7912	0.073261	0.431177	Iba57
ENSMUSG0ENSMUSGC	820.5576	-0.06675	0.068729	-0.97125	0.331424	0.75744	Lix1l
ENSMUSG0ENSMUSGC	1450.752	0.026672	0.077525	0.344037	0.730819	0.938791	Zfp219
ENSMUSG0ENSMUSGC	2978.573	0.127213	0.136561	0.931552	0.351568	0.773184	Trappc1
ENSMUSG0ENSMUSGC	690.5461	0.100388	0.105276	0.95357	0.340302	0.763413	Prmt6
ENSMUSG0ENSMUSGC	39.18859	-0.21786	0.146005	-1.49215	0.135659	0.561584	Syt12
ENSMUSG0ENSMUSGC	800.5996	-0.15565	0.081565	-1.9083	0.056352	0.383729	Ccdc71
ENSMUSG0ENSMUSGC	125.1702	-0.19219	0.134439	-1.42958	0.152836	0.589042	Fut4
ENSMUSG0ENSMUSGC	2010.337	-0.10564	0.131987	-0.80039	0.423483	0.813444	Sorl1
ENSMUSG0ENSMUSGC	217.982	0.184183	0.130161	1.41504	0.157057	0.595737	Zfp2
ENSMUSG0ENSMUSGC	1590.379	0.024243	0.136968	0.176997	0.859511	0.972503	Smcr8
ENSMUSG0ENSMUSGC	2771.21	0.099358	0.060565	1.640518	0.100897	0.495116	Kmt5a
ENSMUSG0ENSMUSGC	274.6153	-0.07973	0.1271	-0.62734	0.530439	0.869878	Tenm2
ENSMUSG0ENSMUSGC	7453.934	-0.06237	0.087041	-0.71659	0.473629	0.8419	Retreg2
ENSMUSG0ENSMUSGC	104.4162	-0.53402	0.126756	-4.21298	2.52E-05	0.002879	Gm5105
ENSMUSG0ENSMUSGC	5791.276	-0.04467	0.077764	-0.57448	0.565643	0.886811	Dcaf7
ENSMUSG0ENSMUSGC	42.335	-0.15061	0.14259	-1.05626	0.290847	0.730515	4933408B1
ENSMUSG0ENSMUSGC	7337.242	-0.15051	0.071379	-2.10852	0.034986	0.303081	Krt8
ENSMUSG0ENSMUSGC	380.1966	-0.18649	0.138151	-1.34992	0.17704	0.619699	Gemin4
ENSMUSG0ENSMUSGC	2861.714	-0.05802	0.076999	-0.75352	0.451135	0.826752	Ogfr
ENSMUSG0ENSMUSGC	222.9599	0.164231	0.131729	1.246732	0.212496	0.662162	Tmem241
ENSMUSG0ENSMUSGC	1875.033	0.061486	0.098284	0.625595	0.531581	0.870719	Zfp260
ENSMUSG0ENSMUSGC	3764.22	0.250106	0.143681	1.740712	0.081734	0.451741	Chchd10
ENSMUSG0ENSMUSGC	850.0649	-0.06654	0.08186	-0.81281	0.416324	0.808586	Cyp20a1
ENSMUSG0ENSMUSGC	4880.064	-0.08874	0.116762	-0.76004	0.447232	0.824037	Aff4
ENSMUSG0ENSMUSGC	748.7001	0.067563	0.100182	0.674399	0.500057	0.855094	Ctu2
ENSMUSG0ENSMUSGC	544.9562	0.068418	0.080038	0.854815	0.392654	0.795486	Tmem67
ENSMUSG0ENSMUSGC	591.5061	0.124882	0.098479	1.268109	0.204759	0.652864	Fam58b
ENSMUSG0ENSMUSGC	999.9749	-0.04074	0.086472	-0.47108	0.637581	0.912787	Pls1
ENSMUSG0ENSMUSGC	610.0768	-0.19222	0.077279	-2.48733	0.01287	0.176632	Dtx3l
ENSMUSG0ENSMUSGC	607.1027	-0.155	0.086042	-1.8015	0.071624	0.427603	Proser1
ENSMUSG0ENSMUSGC	1597.394	0.077877	0.10498	0.741822	0.458195	0.832046	Spty2d1
ENSMUSG0ENSMUSGC	4687.88	0.150783	0.101404	1.486957	0.137026	0.563925	Rps23
ENSMUSG0ENSMUSGC	357.3631	-0.16557	0.137961	-1.20014	0.230086	0.680403	Sall2
ENSMUSG0ENSMUSGC	337.3819	0.244484	0.102546	2.384139	0.017119	0.203675	Tceal1
ENSMUSG0ENSMUSGC	2197.756	-0.02466	0.112485	-0.21924	0.826464	0.962521	Clip1
ENSMUSG0ENSMUSGC	1193.768	0.250423	0.087614	2.858251	0.00426	0.09506	Polr1a
ENSMUSG0ENSMUSGC	3223.816	-0.23077	0.110615	-2.08628	0.036953	0.312233	Lingo1
ENSMUSG0ENSMUSGC	340.652	-0.12566	0.09242	-1.35964	0.173944	0.616249	Ap5b1
ENSMUSG0ENSMUSGC	48.67771	-0.03437	0.137417	-0.25008	0.802526	0.957032	Zfpm1
ENSMUSG0ENSMUSGC	120.5024	-0.26795	0.131488	-2.03782	0.041568	0.330996	Tsku
ENSMUSG0ENSMUSGC	1069.338	-0.06742	0.065304	-1.03243	0.301872	0.739759	Zbtb45
ENSMUSG0ENSMUSGC	1010.492	0.090321	0.087363	1.033865	0.301199	0.739146	Zfp644
ENSMUSG0ENSMUSGC	533.5592	-0.30983	0.091743	-3.37715	0.000732	0.030404	Slc17a5
ENSMUSG0ENSMUSGC	193.9673	0.082374	0.127277	0.647205	0.517499	0.86392	C1ql3
ENSMUSG0ENSMUSGC	1211.899	0.214341	0.062451	3.432152	0.000599	0.026519	2310022A1

ENSMUSG0ENSMUSG0	85.85676	-0.13818	0.136455	-1.01264	0.311233	0.745298	Gpr3
ENSMUSG0ENSMUSG0	941.1142	0.220644	0.083378	2.646315	0.008137	0.137724	Zbtb5
ENSMUSG0ENSMUSG0	944.9711	0.12424	0.086226	1.440862	0.149624	0.582981	Bdp1
ENSMUSG0ENSMUSG0	1885.46	-0.06553	0.065132	-1.00609	0.31437	0.7474	Aftph
ENSMUSG0ENSMUSG0	1097.262	0.121172	0.097936	1.237251	0.215994	0.667088	Morn4
ENSMUSG0ENSMUSG0	1261.736	-0.04124	0.099666	-0.4138	0.67902	0.928688	Zbtb14
ENSMUSG0ENSMUSG0	1879.017	0.076409	0.073339	1.041861	0.297476	0.736076	Urgcp
ENSMUSG0ENSMUSG0	258.0716	-0.06818	0.127952	-0.53282	0.594159	0.8963	Orai1
ENSMUSG0ENSMUSG0	38.61528	-0.05089	0.146	-0.34854	0.727434	0.938587	Nkx3-2
ENSMUSG0ENSMUSG0	444.0471	0.156805	0.122158	1.283622	0.199274	0.646372	Lig4
ENSMUSG0ENSMUSG0	725.4943	0.282676	0.101588	2.782562	0.005393	0.109228	Gal3st1
ENSMUSG0ENSMUSG0	396.4268	-0.0261	0.12288	-0.21237	0.83182	0.963529	Zfp668
ENSMUSG0ENSMUSG0	240.9525	0.058029	0.130484	0.444723	0.65652	0.921043	Trex1
ENSMUSG0ENSMUSG0	1674.29	-0.12909	0.095009	-1.35874	0.174228	0.616766	Zfp646
ENSMUSG0ENSMUSG0	7440.081	0.12093	0.099959	1.209804	0.226354	0.675764	Rpl36a1
ENSMUSG0ENSMUSG0	1282.348	0.047881	0.082403	0.581067	0.561195	0.884506	Zfp672
ENSMUSG0ENSMUSG0	2700.243	0.159524	0.106324	1.500363	0.13352	0.556522	2410015M:
ENSMUSG0ENSMUSG0	975.7556	0.246815	0.103266	2.390082	0.016845	0.203222	Zfp280b
ENSMUSG0ENSMUSG0	7991.338	-0.22083	0.102375	-2.15704	0.031003	0.282519	Tmsb4x
ENSMUSG0ENSMUSG0	291.8973	0.004815	0.100512	0.047906	0.961791	0.994289	Fzd4
ENSMUSG0ENSMUSG0	1028.863	-0.03782	0.061564	-0.61437	0.538971	0.873794	Bag5
ENSMUSG0ENSMUSG0	315.7714	-0.05587	0.11763	-0.47499	0.634795	0.912468	Sertad2
ENSMUSG0ENSMUSG0	2073.297	0.078699	0.122324	0.64337	0.519984	0.865227	Armcx4
ENSMUSG0ENSMUSG0	877.6454	0.197087	0.075438	2.612581	0.008986	0.144251	Arhgap23
ENSMUSG0ENSMUSG0	184.1699	-0.25378	0.138722	-1.82944	0.067334	0.416748	Fam161a
ENSMUSG0ENSMUSG0	343.1845	-0.08055	0.096075	-0.83843	0.401786	0.79975	Zbtb12
ENSMUSG0ENSMUSG0	1284.054	0.039366	0.135063	0.291467	0.770694	0.949297	Suox
ENSMUSG0ENSMUSG0	316.4209	-0.16413	0.114144	-1.43796	0.150445	0.583809	Arl4c
ENSMUSG0ENSMUSG0	52.42838	0.093272	0.141475	0.659286	0.509712	0.859972	Nlrc3
ENSMUSG0ENSMUSG0	93.91954	0.031151	0.135384	0.230094	0.818019	0.959879	Fam26e
ENSMUSG0ENSMUSG0	1044.188	-0.037	0.138735	-0.26667	0.789722	0.954487	Rlf
ENSMUSG0ENSMUSG0	2612.749	0.347272	0.126125	2.753406	0.005898	0.114003	2810025M:
ENSMUSG0ENSMUSG0	219.6566	0.129373	0.099905	1.294965	0.195332	0.641176	Vcpkmt
ENSMUSG0ENSMUSG0	768.2701	0.10274	0.093603	1.097621	0.27237	0.715515	Rasd1
ENSMUSG0ENSMUSG0	158.6277	-0.11281	0.135407	-0.83315	0.404761	0.800908	Tmem17
ENSMUSG0ENSMUSG0	278.4498	0.059007	0.117404	0.5026	0.615245	0.906204	2610318NC
ENSMUSG0ENSMUSG0	2555.61	-0.09512	0.093279	-1.0197	0.307868	0.743099	Slc35c1
ENSMUSG0ENSMUSG0	3752.022	0.320268	0.128869	2.485227	0.012947	0.177135	H2afx
ENSMUSG0ENSMUSG0	83.00072	0.194562	0.145724	1.335137	0.181831	0.628047	Lrrc4
ENSMUSG0ENSMUSG0	3849.806	0.020851	0.077801	0.268005	0.788696	0.954347	Pgrmc2
ENSMUSG0ENSMUSG0	192.033	-0.03315	0.110903	-0.2989	0.765013	0.947561	Rpp38
ENSMUSG0ENSMUSG0	808.1858	0.087382	0.071851	1.216164	0.223922	0.673834	Ccdc137
ENSMUSG0ENSMUSG0	1105.362	0.041527	0.113912	0.364555	0.715443	0.935647	Mrps16
ENSMUSG0ENSMUSG0	298.3878	-0.03384	0.117259	-0.28859	0.772893	0.949821	Plekfh2
ENSMUSG0ENSMUSG0	826.8719	0.113169	0.078093	1.449154	0.147295	0.578667	Glt1d1
ENSMUSG0ENSMUSG0	38.38885	-0.08302	0.145955	-0.5688	0.569491	0.888674	Ankrd55
ENSMUSG0ENSMUSG0	184.1322	-0.16222	0.10665	-1.52107	0.128242	0.547437	Ppp1r3d
ENSMUSG0ENSMUSG0	295.7482	0.039848	0.124808	0.319276	0.749518	0.942352	Idnk
ENSMUSG0ENSMUSG0	4355.982	0.102888	0.059584	1.726767	0.084209	0.457758	Pitpnb
ENSMUSG0ENSMUSG0	46.05643	-0.11479	0.14591	-0.78669	0.431463	0.816305	Amz1
ENSMUSG0ENSMUSG0	557.9999	-0.07374	0.099021	-0.7447	0.456453	0.830575	Rap2c
ENSMUSG0ENSMUSG0	60.16662	-0.06811	0.146011	-0.4665	0.640856	0.914411	Fhl4

ENSMUSG0ENSMUSG0	5956.184	0.252315	0.054996	4.587911	4.48E-06	0.000935	Tmx2
ENSMUSG0ENSMUSG0	58.77087	0.162291	0.145102	1.118462	0.26337	0.706778	Ccdc158
ENSMUSG0ENSMUSG0	146.1911	-0.1275	0.139547	-0.9137	0.360872	0.778908	Tdrp
ENSMUSG0ENSMUSG0	94.17433	-0.17087	0.121384	-1.40769	0.159223	0.596842	Zfp697
ENSMUSG0ENSMUSG0	2154.252	0.086531	0.131055	0.660262	0.509086	0.85932	Bex1
ENSMUSG0ENSMUSG0	780.1362	0.041494	0.103265	0.401823	0.687815	0.931173	Rspry1
ENSMUSG0ENSMUSG0	1207.653	-0.00128	0.057471	-0.02234	0.982179	0.997345	1600012H0
ENSMUSG0ENSMUSG0	264.9083	-0.14497	0.125712	-1.15322	0.248821	0.696015	Hmx2
ENSMUSG0ENSMUSG0	785.3155	0.064467	0.084803	0.760197	0.447137	0.824037	Haspin
ENSMUSG0ENSMUSG0	725.6447	0.022191	0.090972	0.243937	0.80728	0.958353	Sarm1
ENSMUSG0ENSMUSG0	3114.951	0.084444	0.118797	0.710826	0.477192	0.843045	Slc25a44
ENSMUSG0ENSMUSG0	7420.687	0.062554	0.134322	0.465703	0.641428	0.914411	Ubqln2
ENSMUSG0ENSMUSG0	96.441	-0.16953	0.130992	-1.29423	0.195586	0.641477	Nudt6
ENSMUSG0ENSMUSG0	540.4642	-0.02091	0.111771	-0.18709	0.851588	0.969606	Lsm10
ENSMUSG0ENSMUSG0	1250.107	-0.19848	0.115829	-1.71356	0.08661	0.463831	Eif5a2
ENSMUSG0ENSMUSG0	477.3733	-0.041	0.077572	-0.52855	0.597116	0.89784	Lgr4
ENSMUSG0ENSMUSG0	1344.27	0.055183	0.100504	0.549064	0.582961	0.892926	Eva1b
ENSMUSG0ENSMUSG0	1215.046	0.021681	0.064683	0.335188	0.737483	0.939837	Snip1
ENSMUSG0ENSMUSG0	133.1957	-0.03441	0.132099	-0.2605	0.794477	0.955378	Il17d
ENSMUSG0ENSMUSG0	1078.32	0.134128	0.082924	1.617493	0.105772	0.504407	Pigm
ENSMUSG0ENSMUSG0	224.4798	0.049454	0.102915	0.480533	0.630849	0.911457	Hic2
ENSMUSG0ENSMUSG0	859.7163	0.045099	0.103981	0.433721	0.664491	0.924679	Heatr1
ENSMUSG0ENSMUSG0	58.74302	-0.01903	0.14601	-0.13034	0.896296	0.98034	Tmem220
ENSMUSG0ENSMUSG0	38.44161	0.14176	0.144933	0.978108	0.328021	0.754804	Prag1
ENSMUSG0ENSMUSG0	142.1275	0.052625	0.116883	0.450236	0.65254	0.919812	Dscam
ENSMUSG0ENSMUSG0	155.2308	-0.11023	0.116315	-0.9477	0.343283	0.765528	Foxc1
ENSMUSG0ENSMUSG0	7615.854	0.119903	0.117745	1.018322	0.308525	0.743099	Gm9843
ENSMUSG0ENSMUSG0	680.7787	-0.04483	0.117851	-0.38044	0.703621	0.934363	Rictor
ENSMUSG0ENSMUSG0	478.6905	0.112179	0.139064	0.806671	0.419856	0.81145	Nsun3
ENSMUSG0ENSMUSG0	400.7397	0.207003	0.142561	1.452031	0.146493	0.577631	Synpo2
ENSMUSG0ENSMUSG0	340.7965	0.304486	0.124227	2.451041	0.014244	0.186306	Ndufaf6
ENSMUSG0ENSMUSG0	579.5024	-0.02485	0.127106	-0.1955	0.845003	0.967714	Amer1
ENSMUSG0ENSMUSG0	209.8246	0.060057	0.115786	0.51869	0.603977	0.901145	C130071C0
ENSMUSG0ENSMUSG0	1210.287	0.458724	0.10791	4.250984	2.13E-05	0.00254	Carmil2
ENSMUSG0ENSMUSG0	60.76258	-0.21171	0.138407	-1.52965	0.126105	0.542704	Sprr1a
ENSMUSG0ENSMUSG0	903.1422	0.18673	0.073022	2.557184	0.010552	0.158985	Snx21
ENSMUSG0ENSMUSG0	331.1161	0.072879	0.094574	0.770612	0.440937	0.821346	Sep-06
ENSMUSG0ENSMUSG0	70.79826	0.099014	0.138467	0.715076	0.474562	0.842114	Kif7
ENSMUSG0ENSMUSG0	1926.132	-0.09971	0.065469	-1.52296	0.127769	0.547225	C77080
ENSMUSG0ENSMUSG0	290.9457	0.056919	0.145261	0.391839	0.695177	0.933115	Armxc6
ENSMUSG0ENSMUSG0	6800.338	0.175486	0.057503	3.05176	0.002275	0.062444	Tcf19
ENSMUSG0ENSMUSG0	521.4563	0.006154	0.088817	0.069293	0.944757	0.989441	Fbxo46
ENSMUSG0ENSMUSG0	695.8627	0.036842	0.095522	0.38569	0.699726	0.933914	Fam118b
ENSMUSG0ENSMUSG0	629.0863	-0.07329	0.107071	-0.68446	0.493683	0.852903	Slc35d3
ENSMUSG0ENSMUSG0	45.16761	-0.13187	0.146003	-0.90322	0.366411	0.783149	Pcdh20
ENSMUSG0ENSMUSG0	904.8072	0.037283	0.087992	0.423707	0.671779	0.926477	Fam171a1
ENSMUSG0ENSMUSG0	646.8506	0.053741	0.134452	0.399706	0.689373	0.931451	B230217C1
ENSMUSG0ENSMUSG0	171.1292	0.102157	0.112793	0.905704	0.365093	0.782125	Fam241a
ENSMUSG0ENSMUSG0	1194.7	0.064412	0.123951	0.519653	0.603305	0.900646	Lamtor4
ENSMUSG0ENSMUSG0	770.4319	0.035636	0.102548	0.347504	0.728212	0.938587	Hyls1
ENSMUSG0ENSMUSG0	4234.258	0.049504	0.104671	0.472947	0.636251	0.912525	Kcnb1
ENSMUSG0ENSMUSG0	4444.817	0.095097	0.050994	1.864861	0.062201	0.401856	Tor1aip2

ENSMUSG0ENSMUSGC	414.6811	-0.08769	0.095571	-0.91757	0.358842	0.776427	Maml1
ENSMUSG0ENSMUSGC	65.21505	-0.17385	0.146007	-1.19073	0.233761	0.68322	Fam78a
ENSMUSG0ENSMUSGC	583.8689	-0.19746	0.088782	-2.22414	0.026139	0.258488	Zfp61
ENSMUSG0ENSMUSGC	4020.736	-0.0073	0.107495	-0.06788	0.945882	0.989708	Minos1
ENSMUSG0ENSMUSGC	780.9831	-0.20103	0.090889	-2.21181	0.026979	0.262366	Zscan29
ENSMUSG0ENSMUSGC	6581.399	0.1816	0.116659	1.556677	0.119547	0.531246	Rps27rt
ENSMUSG0ENSMUSGC	1263.469	0.017847	0.070513	0.253105	0.800187	0.956574	Gpd1l
ENSMUSG0ENSMUSGC	2448.757	-0.0773	0.112007	-0.69018	0.490082	0.851509	Ubal2
ENSMUSG0ENSMUSGC	818.0028	-0.07798	0.128771	-0.60555	0.544815	0.875467	Tmem150c
ENSMUSG0ENSMUSGC	667.2179	0.191807	0.087561	2.190558	0.028484	0.270675	Gpatch11
ENSMUSG0ENSMUSGC	52.96981	0.141879	0.134343	1.056095	0.290925	0.730515	Gp1ba
ENSMUSG0ENSMUSGC	250.4831	-0.03698	0.094162	-0.39275	0.694506	0.932824	Ccdc96
ENSMUSG0ENSMUSGC	2950.445	0.081146	0.100614	0.806514	0.419947	0.81145	Prkaa1
ENSMUSG0ENSMUSGC	1719.605	0.117908	0.090607	1.301315	0.193151	0.639447	Z310061104
ENSMUSG0ENSMUSGC	42094.39	0.074534	0.129227	0.576768	0.564096	0.885572	Ftl1
ENSMUSG0ENSMUSGC	190648.2	-0.04145	0.127157	-0.32601	0.744418	0.940781	Scg2
ENSMUSG0ENSMUSGC	488.1866	0.002498	0.112314	0.022242	0.982255	0.997345	Zbtb26
ENSMUSG0ENSMUSGC	220.8224	-0.29738	0.103682	-2.86824	0.004128	0.092735	Plekho2
ENSMUSG0ENSMUSGC	1155.519	0.089682	0.108463	0.826848	0.408323	0.802538	Vamp8
ENSMUSG0ENSMUSGC	83.75147	-0.06945	0.145955	-0.47585	0.634181	0.912412	Ptges
ENSMUSG0ENSMUSGC	1043.532	0.033313	0.111243	0.299466	0.764585	0.947561	Pgbd5
ENSMUSG0ENSMUSGC	359.562	0.056027	0.13041	0.429623	0.66747	0.925067	Gp1bb
ENSMUSG0ENSMUSGC	199.113	-0.11366	0.094146	-1.20729	0.227321	0.676705	Ccdc126
ENSMUSG0ENSMUSGC	630.5134	-0.02064	0.109444	-0.18859	0.850418	0.96943	B3galt6
ENSMUSG0ENSMUSGC	3749.804	0.127509	0.081929	1.556326	0.119631	0.53144	Al314180
ENSMUSG0ENSMUSGC	1526.253	0.08328	0.075079	1.109239	0.267327	0.71041	Fam131a
ENSMUSG0ENSMUSGC	5366.536	0.208204	0.134945	1.542884	0.122859	0.535747	Slc29a4
ENSMUSG0ENSMUSGC	134.5809	-0.2442	0.136081	-1.79449	0.072735	0.430201	Sstr5
ENSMUSG0ENSMUSGC	403.9768	-0.08923	0.083071	-1.07415	0.282756	0.72389	Zfp623
ENSMUSG0ENSMUSGC	176.1117	-0.17998	0.133862	-1.34454	0.178773	0.622792	Zfp940
ENSMUSG0ENSMUSGC	2069.934	0.144443	0.117177	1.232693	0.21769	0.668044	Atp5k
ENSMUSG0ENSMUSGC	202.4786	-0.24904	0.143945	-1.73008	0.083616	0.456096	Phospho1
ENSMUSG0ENSMUSGC	126.3327	0.231701	0.141005	1.643213	0.100339	0.493281	A730017C2
ENSMUSG0ENSMUSGC	1078.397	-0.05732	0.085002	-0.67429	0.500125	0.8551	Pdik1l
ENSMUSG0ENSMUSGC	305.6068	-0.02394	0.103877	-0.23042	0.817767	0.959878	Tatdn1
ENSMUSG0ENSMUSGC	542.468	0.074901	0.135519	0.552697	0.580471	0.892821	Tvp23a
ENSMUSG0ENSMUSGC	1191.657	-0.02092	0.115217	-0.18156	0.855932	0.971291	Cdr2l
ENSMUSG0ENSMUSGC	686.0568	-0.50416	0.095438	-5.28259	1.27E-07	6.55E-05	Tmem123
ENSMUSG0ENSMUSGC	816.9526	-0.01939	0.104896	-0.18487	0.853329	0.970018	Ankrd37
ENSMUSG0ENSMUSGC	1507.814	-0.14911	0.103362	-1.44262	0.149128	0.58254	Sgms2
ENSMUSG0ENSMUSGC	129.1326	-0.14098	0.114267	-1.23374	0.2173	0.667997	Zfp438
ENSMUSG0ENSMUSGC	2853.113	0.008018	0.057755	0.138833	0.889582	0.978618	Amigo1
ENSMUSG0ENSMUSGC	145.6216	-0.08447	0.136423	-0.6192	0.535786	0.872592	Zfp169
ENSMUSG0ENSMUSGC	50.18505	0.023484	0.145907	0.160954	0.872129	0.975692	Ins16
ENSMUSG0ENSMUSGC	3918.412	0.083538	0.089918	0.929041	0.352868	0.773559	Prkca
ENSMUSG0ENSMUSGC	58.64821	-0.09716	0.133948	-0.72536	0.468231	0.838976	Lin28a
ENSMUSG0ENSMUSGC	301.3689	-0.13365	0.103103	-1.29628	0.19488	0.64053	Gdp1p1
ENSMUSG0ENSMUSGC	3473.98	0.02752	0.068907	0.399375	0.689617	0.931588	Selenon
ENSMUSG0ENSMUSGC	293.065	-0.04497	0.126048	-0.35677	0.721264	0.937077	Adgb
ENSMUSG0ENSMUSGC	355.4122	0.160146	0.110444	1.450019	0.147053	0.578629	Fam160a1
ENSMUSG0ENSMUSGC	47.34794	0.015144	0.145705	0.103936	0.91722	0.984548	Olf1r161
ENSMUSG0ENSMUSGC	1139.885	-0.08833	0.10313	-0.85647	0.391736	0.794949	Gatd1

ENSMUSG0ENSMUSGC	40.43017	0.103653	0.143488	0.722381	0.47006	0.839788	4930412M
ENSMUSG0ENSMUSGC	115.0017	0.191294	0.144526	1.32359	0.185639	0.631891	Hs3st1
ENSMUSG0ENSMUSGC	172.4337	-0.09734	0.110125	-0.88389	0.376756	0.788552	Zfp11
ENSMUSG0ENSMUSGC	71.96223	-0.0372	0.140034	-0.26566	0.790499	0.954487	Zfp455
ENSMUSG0ENSMUSGC	1178.531	-0.17838	0.128197	-1.39143	0.164095	0.603036	Gprc5c
ENSMUSG0ENSMUSGC	44.4952	-0.13914	0.114853	-1.21142	0.225733	0.675195	P4ha3
ENSMUSG0ENSMUSGC	78.0378	-0.13076	0.14232	-0.91881	0.358197	0.776143	Mb21d2
ENSMUSG0ENSMUSGC	56.31436	-0.00845	0.143916	-0.05874	0.953159	0.992357	4930579K1
ENSMUSG0ENSMUSGC	191.7215	-0.05077	0.107675	-0.47148	0.637295	0.912752	Olfr986
ENSMUSG0ENSMUSGC	412.2728	0.286839	0.111193	2.579652	0.00989	0.152128	Mblac2
ENSMUSG0ENSMUSGC	941.1907	-0.01079	0.131428	-0.08206	0.934596	0.986608	Sv2c
ENSMUSG0ENSMUSGC	99.01337	-0.05453	0.14566	-0.37437	0.708126	0.934791	Fam71e1
ENSMUSG0ENSMUSGC	2071.607	0.220938	0.100108	2.207005	0.027314	0.263611	Camk2n2
ENSMUSG0ENSMUSGC	144.3543	-0.08194	0.110141	-0.74395	0.456906	0.830835	Nat2
ENSMUSG0ENSMUSGC	124.5919	-0.07026	0.140328	-0.50068	0.616597	0.906747	Adnp
ENSMUSG0ENSMUSGC	3049.394	0.026952	0.086287	0.312349	0.754776	0.944317	Commd3
ENSMUSG0ENSMUSGC	309.4787	0.216958	0.135207	1.604634	0.108574	0.51097	Cited1
ENSMUSG0ENSMUSGC	5136.069	-0.00434	0.13879	-0.03125	0.97507	0.996035	Eml5
ENSMUSG0ENSMUSGC	146.8064	0.07739	0.13215	0.585621	0.55813	0.882863	Rpusd3
ENSMUSG0ENSMUSGC	538.8105	-0.10697	0.107069	-0.99908	0.317757	0.750019	Plcb1
ENSMUSG0ENSMUSGC	375.8112	-0.07676	0.110907	-0.6921	0.488872	0.850627	Zfp524
ENSMUSG0ENSMUSGC	631.6275	-0.08203	0.130892	-0.62667	0.530876	0.870061	Fam174a
ENSMUSG0ENSMUSGC	1379.574	0.152057	0.10051	1.512858	0.130316	0.550676	Ercc6l
ENSMUSG0ENSMUSGC	8108.642	0.128158	0.088124	1.454292	0.145865	0.576038	Bzw1
ENSMUSG0ENSMUSGC	251.6434	-0.03656	0.087496	-0.41786	0.676047	0.927604	Tceanc
ENSMUSG0ENSMUSGC	1537.872	-0.00881	0.075646	-0.11645	0.907299	0.982338	Tmem199
ENSMUSG0ENSMUSGC	2634.811	0.091763	0.088798	1.033389	0.301422	0.739421	Rnf7
ENSMUSG0ENSMUSGC	353.0325	0.047189	0.123016	0.383603	0.701273	0.934077	Gen1
ENSMUSG0ENSMUSGC	714.7781	-0.08905	0.088455	-1.00674	0.314058	0.747209	Swsap1
ENSMUSG0ENSMUSGC	1699.321	0.062812	0.087783	0.715535	0.474278	0.842005	Jagn1
ENSMUSG0ENSMUSGC	835.1568	0.009367	0.121592	0.077033	0.938598	0.9878	Zgrf1
ENSMUSG0ENSMUSGC	2416.894	0.001722	0.097393	0.017685	0.98589	0.997877	Pcmdt1
ENSMUSG0ENSMUSGC	595.6491	-0.16011	0.093321	-1.71571	0.086214	0.462936	Usp42
ENSMUSG0ENSMUSGC	1068.946	-0.12677	0.129191	-0.98128	0.326456	0.754362	Ffar2
ENSMUSG0ENSMUSGC	503.5348	0.052011	0.107024	0.485972	0.626987	0.909722	Taf7
ENSMUSG0ENSMUSGC	272.9457	0.213743	0.131685	1.623142	0.104559	0.501644	1500011K1
ENSMUSG0ENSMUSGC	508.2535	-0.00388	0.137801	-0.02816	0.977535	0.996394	Pcdh19
ENSMUSG0ENSMUSGC	1462.588	0.025077	0.07034	0.356508	0.72146	0.937197	Nup160
ENSMUSG0ENSMUSGC	3542.794	0.08869	0.079965	1.109105	0.267385	0.710422	Cacna1c
ENSMUSG0ENSMUSGC	133.1106	-0.02264	0.143239	-0.15807	0.874402	0.97593	Gfod1
ENSMUSG0ENSMUSGC	4097.954	0.068871	0.122456	0.562409	0.573837	0.890266	2900026A0
ENSMUSG0ENSMUSGC	426.8522	0.078144	0.080487	0.970888	0.331604	0.757646	Zfp52
ENSMUSG0ENSMUSGC	67.98529	0.001447	0.139927	0.010345	0.991746	0.998539	Rab11fip5
ENSMUSG0ENSMUSGC	579.8974	-0.03362	0.109758	-0.30634	0.759346	0.945578	Plekhm3
ENSMUSG0ENSMUSGC	408.3648	0.211944	0.09471	2.237806	0.025234	0.253799	Spryd4
ENSMUSG0ENSMUSGC	440.0983	-0.08986	0.113044	-0.7949	0.426674	0.81459	Zfp46
ENSMUSG0ENSMUSGC	2860.772	0.208908	0.094296	2.215442	0.02673	0.261564	Commd1
ENSMUSG0ENSMUSGC	2183.971	0.184729	0.106365	1.736757	0.08243	0.453807	Ncald
ENSMUSG0ENSMUSGC	321.9813	-0.4066	0.115477	-3.52107	0.00043	0.021763	Six1
ENSMUSG0ENSMUSGC	361.5869	0.152913	0.109299	1.399043	0.1618	0.601189	Plpp7
ENSMUSG0ENSMUSGC	1098.042	0.106231	0.075014	1.416139	0.156735	0.595338	Pcdh1
ENSMUSG0ENSMUSGC	1803.779	-0.05236	0.083537	-0.62679	0.530794	0.870034	Kif18b

ENSMUSG0ENSMUSG0	365.8473	-0.17791	0.145056	-1.22652	0.220004	0.670801	Flrt3
ENSMUSG0ENSMUSG0	1043.176	0.037387	0.08801	0.424802	0.670981	0.926072	Zbtb22
ENSMUSG0ENSMUSG0	8755.226	0.291431	0.076119	3.828596	0.000129	0.009751	Ywhag
ENSMUSG0ENSMUSG0	258.3804	-0.03985	0.115544	-0.3449	0.730169	0.938791	Gm45902
ENSMUSG0ENSMUSG0	3270.8	-0.1196	0.094939	-1.25973	0.207768	0.655782	Ppp1r37
ENSMUSG0ENSMUSG0	1300.889	0.202102	0.106957	1.889556	0.058817	0.391735	Vamp7
ENSMUSG0ENSMUSG0	559.7843	0.04288	0.102593	0.417967	0.675971	0.927604	Plagl2
ENSMUSG0ENSMUSG0	712.0545	-9.23E-05	0.090236	-0.00102	0.999184	0.999408	Ccdc157
ENSMUSG0ENSMUSG0	284.0141	0.170512	0.142243	1.198742	0.230628	0.68059	Fhad1
ENSMUSG0ENSMUSG0	163.2624	-0.19741	0.104735	-1.88481	0.059456	0.392822	Bbs12
ENSMUSG0ENSMUSG0	1458.313	0.027142	0.079988	0.339329	0.734362	0.938791	Crebzf
ENSMUSG0ENSMUSG0	1950.147	-0.17543	0.121623	-1.44242	0.149183	0.58254	Zfp24
ENSMUSG0ENSMUSG0	1467.56	0.008313	0.100826	0.082449	0.93429	0.986608	Cbr1
ENSMUSG0ENSMUSG0	113.2322	-0.11219	0.131057	-0.85605	0.39197	0.79526	Pcdhb11
ENSMUSG0ENSMUSG0	2818.322	0.049855	0.105835	0.471068	0.637592	0.912787	Irf2bp2
ENSMUSG0ENSMUSG0	72.67849	0.041808	0.141446	0.295578	0.767552	0.948583	Zfp786
ENSMUSG0ENSMUSG0	350.0717	0.070412	0.128886	0.546311	0.584852	0.893351	Ufsp1
ENSMUSG0ENSMUSG0	4497.305	0.003997	0.081934	0.04878	0.961094	0.994289	Mafg
ENSMUSG0ENSMUSG0	577.4274	-0.18966	0.099324	-1.90948	0.0562	0.383279	Arhgef39
ENSMUSG0ENSMUSG0	673.8654	0.10578	0.116205	0.910287	0.362671	0.780559	Rps19bp1
ENSMUSG0ENSMUSG0	2976.644	0.035951	0.117536	0.30587	0.759704	0.945615	Usp29
ENSMUSG0ENSMUSG0	121.9852	0.11609	0.133055	0.872501	0.382935	0.790739	Gm5124
ENSMUSG0ENSMUSG0	548.416	-0.01525	0.083266	-0.18309	0.854724	0.970614	Zfp579
ENSMUSG0ENSMUSG0	291.633	0.288797	0.087649	3.294934	0.000984	0.036349	Pusl1
ENSMUSG0ENSMUSG0	1744.271	0.190542	0.106946	1.781666	0.074804	0.434173	Tceal8
ENSMUSG0ENSMUSG0	1218.015	-0.03519	0.082317	-0.42755	0.668979	0.925067	Mical3
ENSMUSG0ENSMUSG0	1059.212	-0.07682	0.072435	-1.06058	0.288882	0.728677	Rap2a
ENSMUSG0ENSMUSG0	242.6428	-0.21841	0.143792	-1.51896	0.128773	0.547624	B3gnt2
ENSMUSG0ENSMUSG0	444.9814	0.074426	0.106171	0.701001	0.483302	0.847697	Coa6
ENSMUSG0ENSMUSG0	533.2219	0.041994	0.093217	0.450493	0.652355	0.919812	Dcun1d4
ENSMUSG0ENSMUSG0	1427.799	0.162612	0.055797	2.914321	0.003565	0.084334	Trim32
ENSMUSG0ENSMUSG0	11946.02	0.097132	0.051456	1.887676	0.05907	0.391852	Pcbp1
ENSMUSG0ENSMUSG0	934.6873	-0.23545	0.077956	-3.02034	0.002525	0.067553	Tmem198
ENSMUSG0ENSMUSG0	381.0986	0.057187	0.128229	0.445973	0.655617	0.920356	Senp8
ENSMUSG0ENSMUSG0	239.7729	0.000382	0.144588	0.00264	0.997893	0.998981	Wdcp
ENSMUSG0ENSMUSG0	781.371	-0.11714	0.131109	-0.89344	0.371623	0.78587	Kcnf1
ENSMUSG0ENSMUSG0	356.6536	-0.0779	0.113433	-0.68674	0.492246	0.852803	Mettl5
ENSMUSG0ENSMUSG0	40.22368	0.051399	0.136252	0.377238	0.705997	0.934791	Rinl
ENSMUSG0ENSMUSG0	243.8337	-0.08987	0.144157	-0.62342	0.533008	0.871743	Fam229b
ENSMUSG0ENSMUSG0	3043.357	0.184953	0.087393	2.116324	0.034317	0.299843	Xrcc1
ENSMUSG0ENSMUSG0	1296.356	0.042266	0.096415	0.438377	0.661113	0.923825	Tubgcp6
ENSMUSG0ENSMUSG0	2402.346	0.061836	0.127603	0.484595	0.627964	0.910411	Nlgn2
ENSMUSG0ENSMUSG0	325.2286	-0.64661	0.113423	-5.70085	1.19E-08	9.37E-06	Sox12
ENSMUSG0ENSMUSG0	573.8926	0.229401	0.127778	1.795305	0.072605	0.430201	Rtl8c
ENSMUSG0ENSMUSG0	6038.672	-0.13465	0.074941	-1.79674	0.072377	0.429218	Arf3
ENSMUSG0ENSMUSG0	873.6979	0.220103	0.066641	3.302843	0.000957	0.035993	Tbc1d22a
ENSMUSG0ENSMUSG0	119.077	-0.01081	0.142861	-0.07563	0.93971	0.987897	Klhdcl
ENSMUSG0ENSMUSG0	842.1886	-0.15984	0.145847	-1.09592	0.273115	0.715829	Spats2
ENSMUSG0ENSMUSG0	323.8549	-0.28458	0.114887	-2.47704	0.013248	0.179926	B3glct
ENSMUSG0ENSMUSG0	127.3443	-0.16974	0.121507	-1.39693	0.162434	0.601189	Xkr4
ENSMUSG0ENSMUSG0	144.7946	-0.11714	0.131493	-0.89081	0.37303	0.786854	Prdm9
ENSMUSG0ENSMUSG0	317.0455	-0.08667	0.089283	-0.97077	0.33166	0.757646	Erich1

ENSMUSG0ENSMUSGC	197.6039	-0.09578	0.139385	-0.68717	0.491978	0.852803	Casr
ENSMUSG0ENSMUSGC	471.4953	0.069336	0.114647	0.604779	0.545326	0.875495	Smim11
ENSMUSG0ENSMUSGC	729.7311	-0.00229	0.144634	-0.01584	0.987359	0.998338	Gm9864
ENSMUSG0ENSMUSGC	1219.281	0.03284	0.106578	0.308135	0.75798	0.945377	Tagap1
ENSMUSG0ENSMUSGC	747.7275	0.10313	0.109581	0.941126	0.34664	0.768287	Pfdn4
ENSMUSG0ENSMUSGC	1960.102	-0.12121	0.131146	-0.92423	0.355365	0.774872	Klf13
ENSMUSG0ENSMUSGC	162.5122	-0.43233	0.112535	-3.84172	0.000122	0.00944	Zfp217
ENSMUSG0ENSMUSGC	176.7902	-0.23069	0.111975	-2.06017	0.039382	0.321968	Pard3b
ENSMUSG0ENSMUSGC	440.7487	-0.10991	0.114825	-0.95721	0.338463	0.76127	Dock8
ENSMUSG0ENSMUSGC	2524.314	0.202558	0.063317	3.199097	0.001379	0.04427	Gnpda1
ENSMUSG0ENSMUSGC	3644.488	0.123046	0.102629	1.198944	0.23055	0.68059	Mtcl1
ENSMUSG0ENSMUSGC	240.4667	0.184795	0.142569	1.296179	0.194914	0.64053	D630039AC
ENSMUSG0ENSMUSGC	956.8219	-0.03764	0.088432	-0.42564	0.670371	0.925768	Foxo6
ENSMUSG0ENSMUSGC	681.2554	-0.06823	0.101687	-0.67099	0.502224	0.856225	Rbm12b2
ENSMUSG0ENSMUSGC	1684.168	-0.13984	0.132652	-1.0542	0.291791	0.73164	Babam2
ENSMUSG0ENSMUSGC	3007.202	-0.01431	0.099358	-0.14399	0.885506	0.977714	Ppp4r2
ENSMUSG0ENSMUSGC	9714.669	0.142722	0.105728	1.349906	0.177046	0.619699	Rps10
ENSMUSG0ENSMUSGC	748.0577	-0.08343	0.136088	-0.61305	0.539842	0.873794	Plpp2
ENSMUSG0ENSMUSGC	726.1607	0.051025	0.114689	0.444897	0.656394	0.920963	Acvr2a
ENSMUSG0ENSMUSGC	2307.572	-0.04585	0.077788	-0.58943	0.555572	0.88219	Opa3
ENSMUSG0ENSMUSGC	1052.24	0.029253	0.107744	0.2715	0.786006	0.953517	Zfp622
ENSMUSG0ENSMUSGC	1186.332	-0.23428	0.144441	-1.62196	0.104812	0.501924	Bhlha15
ENSMUSG0ENSMUSGC	155.1805	0.005857	0.129056	0.045382	0.963803	0.994356	5330438D1
ENSMUSG0ENSMUSGC	449.0328	0.315864	0.098644	3.202054	0.001365	0.044187	Taf9
ENSMUSG0ENSMUSGC	6197.121	0.015191	0.065324	0.232552	0.816109	0.959702	Ppp6r1
ENSMUSG0ENSMUSGC	2898.737	0.016609	0.101582	0.163504	0.870121	0.975011	Cdc42se2
ENSMUSG0ENSMUSGC	2698.964	-0.00336	0.096099	-0.03495	0.972118	0.995539	Ltn1
ENSMUSG0ENSMUSGC	880.3074	0.277831	0.115195	2.411826	0.015873	0.197553	Tbc1d30
ENSMUSG0ENSMUSGC	1569.543	0.11255	0.092868	1.211936	0.225537	0.675195	Slc39a1
ENSMUSG0ENSMUSGC	231.9653	0.184443	0.108772	1.69569	0.089945	0.472413	Lrrc15
ENSMUSG0ENSMUSGC	1239.071	0.028977	0.117184	0.247278	0.804693	0.957462	Ankrd44
ENSMUSG0ENSMUSGC	5915.93	0.161973	0.075864	2.135027	0.032759	0.290184	Immt
ENSMUSG0ENSMUSGC	40.76114	0.20223	0.139983	1.444674	0.148549	0.581112	Cemip
ENSMUSG0ENSMUSGC	370.1247	-0.25676	0.131689	-1.94978	0.051203	0.365419	B630019K0
ENSMUSG0ENSMUSGC	1553.868	-0.11873	0.106339	-1.11657	0.264179	0.707246	Tmem106c
ENSMUSG0ENSMUSGC	2712.578	0.121954	0.088415	1.379339	0.16779	0.607654	Mpp3
ENSMUSG0ENSMUSGC	148.6591	0.178661	0.127878	1.39712	0.162378	0.601189	Nrros
ENSMUSG0ENSMUSGC	437.8806	-0.12963	0.122433	-1.0588	0.28969	0.729244	Rft1
ENSMUSG0ENSMUSGC	4398.768	0.155089	0.141072	1.099365	0.271609	0.714684	Ezr
ENSMUSG0ENSMUSGC	1202.723	-0.02797	0.071847	-0.38931	0.697044	0.933418	Rexo4
ENSMUSG0ENSMUSGC	617.3471	0.220616	0.111345	1.981374	0.047549	0.350962	2610001J0
ENSMUSG0ENSMUSGC	2157.779	0.039861	0.083939	0.474878	0.634874	0.912468	B4galt3
ENSMUSG0ENSMUSGC	2924.924	0.01025	0.073983	0.138544	0.88981	0.978618	Tmco1
ENSMUSG0ENSMUSGC	887.635	0.053372	0.100088	0.533246	0.593863	0.8963	Zfp961
ENSMUSG0ENSMUSGC	5454.184	0.127854	0.104396	1.224708	0.220685	0.671412	Asna1
ENSMUSG0ENSMUSGC	9508.059	0.158909	0.070081	2.267492	0.02336	0.24395	Atp6v1a
ENSMUSG0ENSMUSGC	165.5393	-0.11028	0.111157	-0.98846	0.322928	0.75241	C130026I21
ENSMUSG0ENSMUSGC	132.1776	-0.17526	0.145954	-1.20082	0.22982	0.679947	A330008L1
ENSMUSG0ENSMUSGC	4674.566	-0.00415	0.114647	-0.0362	0.971122	0.995539	Cherp
ENSMUSG0ENSMUSGC	2387.847	0.056533	0.115082	0.491245	0.623253	0.907988	Nav2
ENSMUSG0ENSMUSGC	4854.114	-0.09662	0.096175	-1.00468	0.315051	0.747985	Robo2
ENSMUSG0ENSMUSGC	110.2258	-0.09857	0.140992	-0.69909	0.484497	0.848425	Spdya

ENSMUSG0ENSMUSG0	2255.061	0.055337	0.079318	0.69766	0.48539	0.848425	Nup188
ENSMUSG0ENSMUSG0	1278.392	0.176316	0.102367	1.722393	0.084998	0.459617	Pbx1
ENSMUSG0ENSMUSG0	372.9015	-0.05626	0.127851	-0.44002	0.659924	0.922889	Magi3
ENSMUSG0ENSMUSG0	208.4627	0.1161	0.145602	0.797377	0.425232	0.814338	Adarb2
ENSMUSG0ENSMUSG0	524.0316	0.111056	0.08185	1.356828	0.174836	0.617608	Gan
ENSMUSG0ENSMUSG0	101.5761	-0.01675	0.138916	-0.12057	0.904035	0.982298	Cpne8
ENSMUSG0ENSMUSG0	106.9873	-0.15938	0.129514	-1.2306	0.218472	0.668876	D930048N1
ENSMUSG0ENSMUSG0	45.63221	0.01129	0.143898	0.07846	0.937462	0.987242	Hist1h1d
ENSMUSG0ENSMUSG0	2198.587	0.011321	0.128874	0.087848	0.929997	0.985827	Hook2
ENSMUSG0ENSMUSG0	425.2662	-0.2384	0.125162	-1.90475	0.056813	0.385004	Dlg2
ENSMUSG0ENSMUSG0	39.05395	-0.30868	0.14092	-2.19046	0.028491	0.270675	Lrrtm4
ENSMUSG0ENSMUSG0	536.9302	0.049156	0.14296	0.343844	0.730963	0.938791	Serp2
ENSMUSG0ENSMUSG0	965.8229	0.044315	0.076262	0.581096	0.561176	0.884506	Adam17
ENSMUSG0ENSMUSG0	230.772	0.121882	0.145904	0.835358	0.403516	0.800157	A1cf
ENSMUSG0ENSMUSG0	293.725	-0.26537	0.131621	-2.0162	0.043779	0.337833	Isoc2b
ENSMUSG0ENSMUSG0	1574.948	-0.03945	0.095464	-0.41322	0.679442	0.928688	Plekhhg3
ENSMUSG0ENSMUSG0	102.836	0.151987	0.133691	1.136854	0.255599	0.701792	Pcdh15
ENSMUSG0ENSMUSG0	378.3734	0.071262	0.106937	0.666393	0.50516	0.857565	Asap2
ENSMUSG0ENSMUSG0	1269.909	-0.06736	0.087823	-0.76701	0.443077	0.822585	Rnf103
ENSMUSG0ENSMUSG0	75.88558	0.016584	0.141795	0.116955	0.906896	0.982338	5830454EO
ENSMUSG0ENSMUSG0	56.70583	0.025416	0.136853	0.185716	0.852667	0.9698	Zfp112
ENSMUSG0ENSMUSG0	330.1421	0.089918	0.135474	0.663729	0.506864	0.85875	Zmat1
ENSMUSG0ENSMUSG0	13480.59	0.176722	0.11703	1.510059	0.131028	0.552161	Rap1b
ENSMUSG0ENSMUSG0	1127.948	-0.34783	0.113151	-3.074	0.002112	0.059064	Jun
ENSMUSG0ENSMUSG0	569.17	0.075991	0.124007	0.612798	0.54001	0.873794	Tln2
ENSMUSG0ENSMUSG0	2826.269	-0.12251	0.107471	-1.13992	0.254318	0.700275	Tnrc6a
ENSMUSG0ENSMUSG0	4367.832	-0.0859	0.106612	-0.80573	0.420399	0.811477	BC004004
ENSMUSG0ENSMUSG0	416.363	-0.23206	0.101843	-2.27856	0.022693	0.240111	Zfp608
ENSMUSG0ENSMUSG0	60.40244	0.246028	0.144142	1.706842	0.087851	0.466923	Kcnt2
ENSMUSG0ENSMUSG0	7474.693	0.093971	0.090596	1.037255	0.299617	0.737987	Map1b
ENSMUSG0ENSMUSG0	3034.876	0.121759	0.083997	1.44957	0.147179	0.578667	Suclg1
ENSMUSG0ENSMUSG0	414.2634	-0.00521	0.144005	-0.03618	0.971137	0.995539	Swt1
ENSMUSG0ENSMUSG0	986.0868	-0.10964	0.101268	-1.08268	0.278952	0.720991	Repin1
ENSMUSG0ENSMUSG0	1917.274	-0.00847	0.068092	-0.1244	0.900995	0.981243	Traf7
ENSMUSG0ENSMUSG0	730.2176	-0.14048	0.076323	-1.84066	0.065672	0.413075	Zfp212
ENSMUSG0ENSMUSG0	113.7125	-0.26805	0.140277	-1.91089	0.056019	0.382862	Oas1a
ENSMUSG0ENSMUSG0	112.1305	-0.12895	0.145122	-0.88854	0.374253	0.787458	Grk4
ENSMUSG0ENSMUSG0	456.6868	-0.0254	0.116915	-0.21728	0.827988	0.962981	1700030K0
ENSMUSG0ENSMUSG0	2169.778	0.114929	0.078432	1.465329	0.142831	0.572126	Nup107
ENSMUSG0ENSMUSG0	155.4347	-0.10378	0.144405	-0.71866	0.472349	0.841403	Atad2b
ENSMUSG0ENSMUSG0	5781.608	0.124705	0.0583	2.139023	0.032434	0.289434	Sae1
ENSMUSG0ENSMUSG0	1206.05	-0.10342	0.126578	-0.81703	0.413913	0.807543	Junb
ENSMUSG0ENSMUSG0	173.3644	-0.14302	0.117168	-1.22067	0.222212	0.672473	Reep1
ENSMUSG0ENSMUSG0	271.0934	0.055134	0.139859	0.394211	0.693426	0.932409	Nrk
ENSMUSG0ENSMUSG0	947.4107	-0.00448	0.085538	-0.05235	0.95825	0.993017	Ubxn8
ENSMUSG0ENSMUSG0	308.1233	-0.22252	0.123453	-1.80247	0.071472	0.427114	Cyp2j6
ENSMUSG0ENSMUSG0	2543.062	-0.04685	0.062813	-0.74586	0.455749	0.829671	Msl1
ENSMUSG0ENSMUSG0	843.3121	-0.05822	0.085403	-0.68172	0.495417	0.853712	Senp7
ENSMUSG0ENSMUSG0	55.59421	0.013729	0.138592	0.099063	0.921088	0.985705	Arhgef15
ENSMUSG0ENSMUSG0	2091.05	0.04482	0.117508	0.381423	0.70289	0.934077	Rnaseh2a
ENSMUSG0ENSMUSG0	621.8598	-0.13319	0.087597	-1.52048	0.128391	0.547437	Ctif
ENSMUSG0ENSMUSG0	766.3575	0.028851	0.099261	0.290661	0.771311	0.949297	Fbxo31

ENSMUSG0ENSMUSG0	923.7841	-0.04446	0.144531	-0.30764	0.758358	0.945377	Glis3
ENSMUSG0ENSMUSG0	2942.394	0.0288	0.10164	0.283356	0.776904	0.950382	Rnf157
ENSMUSG0ENSMUSG0	788.3471	0.198766	0.104059	1.910135	0.056116	0.382899	Mrpl35
ENSMUSG0ENSMUSG0	4201.351	-0.00739	0.053146	-0.13912	0.889352	0.978618	Uba2
ENSMUSG0ENSMUSG0	1626.882	-0.01112	0.070656	-0.15737	0.87495	0.97593	Krcc1
ENSMUSG0ENSMUSG0	271.1797	-0.09102	0.133095	-0.68387	0.494056	0.852929	Cntn2
ENSMUSG0ENSMUSG0	3652.087	-0.19681	0.134896	-1.45898	0.14457	0.574285	Sv2b
ENSMUSG0ENSMUSG0	95.86196	0.230912	0.139866	1.650955	0.098748	0.490692	Aph1c
ENSMUSG0ENSMUSG0	300.5864	-0.41162	0.12459	-3.30375	0.000954	0.035993	Brsk2
ENSMUSG0ENSMUSG0	1215.599	-0.22133	0.145867	-1.51737	0.129173	0.548334	Jam2
ENSMUSG0ENSMUSG0	82.17246	0.153382	0.140389	1.092551	0.274591	0.716894	9230110C1
ENSMUSG0ENSMUSG0	743.3311	-0.14758	0.105568	-1.39792	0.162138	0.601189	2700081O1
ENSMUSG0ENSMUSG0	449.8295	0.080152	0.097291	0.823837	0.410032	0.803289	Lins1
ENSMUSG0ENSMUSG0	3715.047	0.096708	0.092299	1.047773	0.294743	0.733828	Tmem248
ENSMUSG0ENSMUSG0	667.4273	0.016495	0.117021	0.140956	0.887905	0.978595	Socs3
ENSMUSG0ENSMUSG0	2511.839	-0.00398	0.083295	-0.04779	0.961885	0.994289	Chmp3
ENSMUSG0ENSMUSG0	1664.714	0.211877	0.078032	2.715268	0.006622	0.122433	Rnf26
ENSMUSG0ENSMUSG0	823.8096	-0.07475	0.072059	-1.03735	0.299574	0.737987	Supt7l
ENSMUSG0ENSMUSG0	362.446	-0.18494	0.133452	-1.38584	0.165797	0.605102	Mapk11
ENSMUSG0ENSMUSG0	622.7317	-0.10728	0.123704	-0.86722	0.385821	0.792576	Ptptrt
ENSMUSG0ENSMUSG0	37.97989	-0.00373	0.145973	-0.02553	0.979629	0.996602	Fes
ENSMUSG0ENSMUSG0	2555.433	-0.30696	0.123993	-2.47561	0.013301	0.180136	Cdh22
ENSMUSG0ENSMUSG0	449.1517	-0.14237	0.116238	-1.22482	0.220643	0.671412	Bcl3
ENSMUSG0ENSMUSG0	51.88149	-0.23321	0.136477	-1.70878	0.087491	0.46612	Mterf1b
ENSMUSG0ENSMUSG0	4923.468	0.068405	0.107163	0.638323	0.523264	0.86723	Mllt11
ENSMUSG0ENSMUSG0	121.227	-0.01882	0.125539	-0.14987	0.880864	0.976652	Prx
ENSMUSG0ENSMUSG0	293.064	0.052675	0.145255	0.362637	0.716876	0.935972	Arhgap20
ENSMUSG0ENSMUSG0	99.22762	-0.25105	0.144942	-1.73207	0.083262	0.455638	Raet1e
ENSMUSG0ENSMUSG0	323.9285	0.035888	0.107895	0.332623	0.739419	0.940232	Dand5
ENSMUSG0ENSMUSG0	2468.979	-0.01297	0.057107	-0.2271	0.820345	0.9604	Ndfip2
ENSMUSG0ENSMUSG0	1175.329	0.000871	0.08671	0.010043	0.991987	0.998539	Trmt1l
ENSMUSG0ENSMUSG0	563.8715	-0.02578	0.07313	-0.35258	0.724402	0.937928	Ddx10
ENSMUSG0ENSMUSG0	1985.926	0.054176	0.122732	0.441419	0.65891	0.922097	Rab4b
ENSMUSG0ENSMUSG0	4004.793	0.07213	0.079681	0.905234	0.365341	0.78214	Pom121
ENSMUSG0ENSMUSG0	198.8261	0.103993	0.143401	0.725188	0.468337	0.838976	Nrgn
ENSMUSG0ENSMUSG0	5874.538	0.115913	0.102936	1.126068	0.260137	0.704211	Sec61b
ENSMUSG0ENSMUSG0	1218.137	0.145537	0.101069	1.439979	0.149873	0.582981	D10Jhu81e
ENSMUSG0ENSMUSG0	2338.599	0.121762	0.103992	1.170878	0.241648	0.689436	Gas5
ENSMUSG0ENSMUSG0	611.7874	-0.31305	0.083237	-3.76089	0.000169	0.011666	Dis3l2
ENSMUSG0ENSMUSG0	779.0659	0.021467	0.092128	0.233015	0.81575	0.959579	Ficd
ENSMUSG0ENSMUSG0	720.3345	-0.13663	0.093753	-1.45729	0.145037	0.574944	Zfp943
ENSMUSG0ENSMUSG0	557.8054	0.09202	0.073632	1.249733	0.211397	0.660665	Zfp952
ENSMUSG0ENSMUSG0	38.77098	-0.35162	0.13978	-2.5155	0.011886	0.169569	Cacng8
ENSMUSG0ENSMUSG0	1164.432	0.049058	0.129569	0.378627	0.704965	0.93471	Phgdh
ENSMUSG0ENSMUSG0	945.5505	-0.29211	0.10886	-2.68333	0.007289	0.129569	Cbx7
ENSMUSG0ENSMUSG0	179.7515	-0.09548	0.108229	-0.8822	0.377671	0.788925	Hunk
ENSMUSG0ENSMUSG0	3653.1	-0.14071	0.074144	-1.8978	0.057722	0.387719	Mapk14
ENSMUSG0ENSMUSG0	56.43711	-0.02563	0.135594	-0.18904	0.850061	0.969399	4930597O2
ENSMUSG0ENSMUSG0	2277.804	-0.03203	0.074887	-0.42773	0.66885	0.925067	Thoc7
ENSMUSG0ENSMUSG0	462.5931	-0.08569	0.089951	-0.95267	0.34076	0.763738	Ggcx
ENSMUSG0ENSMUSG0	37.75588	0.006301	0.145406	0.043336	0.965433	0.994842	Hs6st3
ENSMUSG0ENSMUSG0	2594.066	-0.04208	0.123533	-0.34064	0.733372	0.938791	Kdm3a

ENSMUSG0ENSMUSGC	1758.82	0.208567	0.099575	2.094572	0.036209	0.307111	Tcf4
ENSMUSG0ENSMUSGC	1136.903	0.03558	0.089772	0.396341	0.691853	0.931889	Usp21
ENSMUSG0ENSMUSGC	5448.526	0.001637	0.080589	0.020318	0.98379	0.997439	Nrd1
ENSMUSG0ENSMUSGC	1284.674	-0.08763	0.137087	-0.63924	0.522664	0.867021	Kcnp1
ENSMUSG0ENSMUSGC	1972.553	0.024427	0.093971	0.259946	0.794905	0.955451	Cstf2t
ENSMUSG0ENSMUSGC	153.8731	-0.16817	0.125212	-1.34306	0.179253	0.623409	6430503K0
ENSMUSG0ENSMUSGC	105.666	-0.24251	0.141753	-1.71083	0.087112	0.464287	Shisa7
ENSMUSG0ENSMUSGC	567.094	0.107287	0.088849	1.207523	0.227231	0.676705	3110082117
ENSMUSG0ENSMUSGC	874.072	-0.19796	0.125981	-1.57137	0.116098	0.525526	Ier2
ENSMUSG0ENSMUSGC	4530.286	0.077053	0.092484	0.833153	0.404758	0.800908	Eif3k
ENSMUSG0ENSMUSGC	100.4574	0.127174	0.137773	0.923071	0.35597	0.774872	4930563E2
ENSMUSG0ENSMUSGC	2196.883	0.106819	0.114484	0.933055	0.350792	0.772366	Tanc2
ENSMUSG0ENSMUSGC	2207.422	-0.05332	0.142604	-0.37392	0.708465	0.934791	Zfand2a
ENSMUSG0ENSMUSGC	289.7012	0.096219	0.087701	1.097122	0.272588	0.715515	Zfp472
ENSMUSG0ENSMUSGC	563.1362	0.181651	0.093705	1.938547	0.052557	0.371705	Rpia
ENSMUSG0ENSMUSGC	7031.281	-0.04065	0.098252	-0.41372	0.679077	0.928688	Sh3pxd2a
ENSMUSG0ENSMUSGC	919.4018	-0.07893	0.102315	-0.77147	0.440429	0.821186	Dennd4a
ENSMUSG0ENSMUSGC	945.9238	-0.00913	0.137338	-0.06646	0.947011	0.990336	Aldh7a1
ENSMUSG0ENSMUSGC	2570.708	-0.14437	0.110594	-1.30537	0.191768	0.638822	Plxnb1
ENSMUSG0ENSMUSGC	116.7663	0.27254	0.130043	2.095765	0.036103	0.30677	Dancr
ENSMUSG0ENSMUSGC	239.856	-0.11538	0.106797	-1.08037	0.27998	0.72136	BC048403
ENSMUSG0ENSMUSGC	2995.054	0.039796	0.096444	0.412632	0.679877	0.928707	Mast1
ENSMUSG0ENSMUSGC	272.7846	0.068645	0.115235	0.595701	0.551375	0.880268	Nabl
ENSMUSG0ENSMUSGC	46.69426	0.228368	0.141876	1.60963	0.107479	0.509095	4732471J01
ENSMUSG0ENSMUSGC	1157.492	-0.2074	0.089535	-2.31642	0.020536	0.226793	Dusp7
ENSMUSG0ENSMUSGC	340.5629	-0.03436	0.110087	-0.31211	0.754955	0.944374	Tmem39b
ENSMUSG0ENSMUSGC	219.6398	0.041258	0.135337	0.304854	0.760477	0.946045	Pthr1
ENSMUSG0ENSMUSGC	43.10054	0.001895	0.144179	0.013141	0.989515	0.998539	Gm9920
ENSMUSG0ENSMUSGC	2853.937	0.02906	0.07969	0.364665	0.715361	0.935647	Chd8
ENSMUSG0ENSMUSGC	3057.959	0.176589	0.065291	2.704658	0.006837	0.124417	Chchd3
ENSMUSG0ENSMUSGC	340.8439	0.032702	0.090542	0.361179	0.717966	0.935997	Lysmd1
ENSMUSG0ENSMUSGC	635.7047	0.053755	0.094866	0.566647	0.570954	0.889335	Ubxn7
ENSMUSG0ENSMUSGC	800.9006	0.00595	0.101042	0.058884	0.953045	0.992357	Exoc6
ENSMUSG0ENSMUSGC	888.6764	0.14118	0.08475	1.665834	0.095746	0.485939	Grwd1
ENSMUSG0ENSMUSGC	3373.898	0.043158	0.13421	0.321574	0.747775	0.942084	Camk2d
ENSMUSG0ENSMUSGC	969.4704	0.304529	0.111622	2.728222	0.006368	0.119044	Ppfia2
ENSMUSG0ENSMUSGC	3776.144	0.124801	0.051815	2.408569	0.016015	0.198401	Nudcd3
ENSMUSG0ENSMUSGC	5194.861	0.066677	0.080569	0.827574	0.407912	0.802351	Txlna
ENSMUSG0ENSMUSGC	836.4369	-0.04159	0.100586	-0.41346	0.679268	0.928688	Fpgt
ENSMUSG0ENSMUSGC	2707.134	0.043942	0.117497	0.373986	0.708415	0.934791	Srcap
ENSMUSG0ENSMUSGC	41.89916	0.024378	0.140531	0.173468	0.862284	0.973163	Kirrel3os
ENSMUSG0ENSMUSGC	4433.45	0.127282	0.107564	1.183317	0.236684	0.685759	Slc39a8
ENSMUSG0ENSMUSGC	1260.958	0.124435	0.136881	0.909071	0.363313	0.780897	Ech1
ENSMUSG0ENSMUSGC	2268.897	0.025867	0.08835	0.29278	0.769691	0.949297	Mat2a
ENSMUSG0ENSMUSGC	67.69003	0.302591	0.139054	2.176074	0.02955	0.275635	Nanp
ENSMUSG0ENSMUSGC	36.97967	-0.05288	0.146007	-0.36215	0.71724	0.93599	Gm9929
ENSMUSG0ENSMUSGC	3254.86	0.214636	0.081268	2.641096	0.008264	0.138598	Cyhr1
ENSMUSG0ENSMUSGC	3353.125	0.140811	0.062855	2.240241	0.025075	0.252776	Cnn3
ENSMUSG0ENSMUSGC	1038.478	-0.03704	0.09808	-0.37761	0.705722	0.934791	Adnp2
ENSMUSG0ENSMUSGC	83.1198	-0.11419	0.143386	-0.79635	0.425828	0.81459	Lgals4
ENSMUSG0ENSMUSGC	115.3733	-0.01022	0.116122	-0.08803	0.929856	0.985827	Zfp14
ENSMUSG0ENSMUSGC	228.4137	-0.1129	0.123951	-0.91084	0.362379	0.780559	Tusc1

ENSMUSG0ENSMUSG0	351.2219	-0.25422	0.127099	-2.00015	0.045484	0.343886	Ndst1
ENSMUSG0ENSMUSG0	309.0253	-0.03461	0.145204	-0.23835	0.811609	0.95864	Tmem179
ENSMUSG0ENSMUSG0	213.8742	-0.08461	0.110966	-0.76253	0.445747	0.824037	Sirt5
ENSMUSG0ENSMUSG0	1398.876	0.134889	0.082776	1.629569	0.103193	0.499892	Nt5dc3
ENSMUSG0ENSMUSG0	901.7456	-0.07723	0.0915	-0.84406	0.398638	0.79901	Ercc6
ENSMUSG0ENSMUSG0	147.167	0.018816	0.142722	0.13184	0.895111	0.97993	A930004D1
ENSMUSG0ENSMUSG0	316.8825	0.035268	0.119205	0.295859	0.767338	0.948583	Skida1
ENSMUSG0ENSMUSG0	1481.54	0.039455	0.071959	0.5483	0.583486	0.892957	Utp18
ENSMUSG0ENSMUSG0	3324.221	0.095059	0.103476	0.918658	0.358275	0.776184	1810037117
ENSMUSG0ENSMUSG0	816.2238	0.1129	0.083197	1.357013	0.174777	0.617608	Slc25a40
ENSMUSG0ENSMUSG0	1023.722	0.147471	0.078436	1.880141	0.060089	0.395474	Skp2
ENSMUSG0ENSMUSG0	77.58213	0.02807	0.144262	0.194575	0.845726	0.968292	Umodl1
ENSMUSG0ENSMUSG0	395.9672	-0.01319	0.091761	-0.14374	0.885705	0.977748	Adm2
ENSMUSG0ENSMUSG0	66.58966	-0.17619	0.146007	-1.20671	0.227545	0.676811	Syne3
ENSMUSG0ENSMUSG0	185.6747	-0.25461	0.141432	-1.8002	0.071829	0.428248	Spock3
ENSMUSG0ENSMUSG0	72.89117	0.03646	0.145177	0.251142	0.801705	0.95676	Gm9938
ENSMUSG0ENSMUSG0	69.66401	-0.09355	0.145492	-0.64298	0.520237	0.865356	A930012O1
ENSMUSG0ENSMUSG0	37.37106	-0.06673	0.145986	-0.45707	0.647619	0.917804	Klf1
ENSMUSG0ENSMUSG0	101.5906	0.12663	0.134217	0.943471	0.34544	0.766898	Cthrc1
ENSMUSG0ENSMUSG0	2367.703	-0.07052	0.064638	-1.09095	0.275294	0.716915	Gon4l
ENSMUSG0ENSMUSG0	75.50227	0.069799	0.144751	0.4822	0.629664	0.911097	Gzmm
ENSMUSG0ENSMUSG0	1041.908	0.025214	0.082663	0.305025	0.760347	0.945975	Tprkb
ENSMUSG0ENSMUSG0	481.9528	-0.02133	0.11898	-0.17925	0.857741	0.971994	Fra10ac1
ENSMUSG0ENSMUSG0	99.61012	-0.34476	0.129373	-2.66484	0.007703	0.132851	Msi1
ENSMUSG0ENSMUSG0	1844.271	-0.01723	0.122382	-0.1408	0.888024	0.978595	Lifr
ENSMUSG0ENSMUSG0	3487.286	0.163637	0.092402	1.770937	0.076571	0.439282	Arfgap3
ENSMUSG0ENSMUSG0	1288.959	-0.04359	0.108209	-0.40279	0.6871	0.931173	Prr14l
ENSMUSG0ENSMUSG0	778.7517	-0.11468	0.093768	-1.22305	0.221309	0.671829	Eapp
ENSMUSG0ENSMUSG0	2093.462	0.075651	0.082655	0.915263	0.360053	0.777635	Cpsf3
ENSMUSG0ENSMUSG0	2102.943	0.089791	0.108311	0.82901	0.407099	0.802193	Mrps21
ENSMUSG0ENSMUSG0	203.3185	-0.18582	0.139554	-1.33151	0.183021	0.629886	Taf4b
ENSMUSG0ENSMUSG0	2256.679	0.043446	0.064396	0.674664	0.499889	0.855025	Rhob
ENSMUSG0ENSMUSG0	293.2995	-0.07277	0.094463	-0.7704	0.441062	0.821346	Zfp747
ENSMUSG0ENSMUSG0	124.1048	0.082222	0.124766	0.659009	0.50989	0.859972	Pnma1
ENSMUSG0ENSMUSG0	2830.007	-0.03687	0.112523	-0.32763	0.743194	0.940717	Mdm4
ENSMUSG0ENSMUSG0	397.5807	0.104846	0.107293	0.977198	0.328471	0.755405	Cklf
ENSMUSG0ENSMUSG0	59.85444	0.155386	0.13744	1.130574	0.258234	0.702822	Slnf5
ENSMUSG0ENSMUSG0	2601.672	0.137493	0.07316	1.879338	0.060198	0.395792	Dnajc8
ENSMUSG0ENSMUSG0	7376.349	-0.0189	0.125085	-0.1511	0.879894	0.97663	Spcs3
ENSMUSG0ENSMUSG0	1845.298	-0.08651	0.109464	-0.7903	0.429352	0.815457	Slc30a7
ENSMUSG0ENSMUSG0	3441.931	0.118862	0.075635	1.571526	0.11606	0.525526	Cadps
ENSMUSG0ENSMUSG0	106.9868	-0.13721	0.142491	-0.96297	0.335565	0.759008	A930005H1
ENSMUSG0ENSMUSG0	5085.484	0.191059	0.108847	1.755299	0.079208	0.445187	Atpif1
ENSMUSG0ENSMUSG0	524.8249	-0.04315	0.103532	-0.41678	0.676839	0.927788	Tmem120b
ENSMUSG0ENSMUSG0	18691.23	0.113239	0.085631	1.322397	0.186036	0.632437	Aes
ENSMUSG0ENSMUSG0	153.9342	0.119235	0.144968	0.822492	0.410797	0.804362	Sytl5
ENSMUSG0ENSMUSG0	7090.846	0.004656	0.068378	0.068085	0.945718	0.989708	Vapb
ENSMUSG0ENSMUSG0	373.3309	-0.00796	0.146002	-0.05455	0.956494	0.992891	Vsnl1
ENSMUSG0ENSMUSG0	1406.297	0.168075	0.086372	1.945947	0.051661	0.367707	Lclat1
ENSMUSG0ENSMUSG0	89.17545	-0.44639	0.142814	-3.1257	0.001774	0.052457	Kcnn2
ENSMUSG0ENSMUSG0	805.5361	-0.02849	0.094598	-0.30114	0.763304	0.946679	Tmem62
ENSMUSG0ENSMUSG0	630.3569	-0.15349	0.128549	-1.19399	0.23248	0.682081	Dedd2

ENSMUSG0ENSMUSG0	821.3854	-0.06248	0.08067	-0.77455	0.438606	0.819958	Parp4
ENSMUSG0ENSMUSG0	217.2064	-0.37742	0.09632	-3.91841	8.91E-05	0.007589	Trim65
ENSMUSG0ENSMUSG0	149.3667	-0.07577	0.115807	-0.65427	0.512939	0.861822	Zfp867
ENSMUSG0ENSMUSG0	50.24004	-0.00296	0.144488	-0.02051	0.983639	0.997439	Sh3bp2
ENSMUSG0ENSMUSG0	233.3675	0.08362	0.128793	0.649261	0.516169	0.863162	Ugt1a6a
ENSMUSG0ENSMUSG0	3596.488	0.301453	0.08091	3.725786	0.000195	0.012696	Cggbp1
ENSMUSG0ENSMUSG0	3173.129	-0.00577	0.125466	-0.04597	0.963334	0.994289	Kdm2a
ENSMUSG0ENSMUSG0	640.3488	0.035552	0.130955	0.271485	0.786018	0.953517	Mettl7a1
ENSMUSG0ENSMUSG0	193.4915	0.121873	0.145497	0.837636	0.402235	0.799981	Xlr
ENSMUSG0ENSMUSG0	242.5703	-0.22648	0.144598	-1.56627	0.117286	0.52698	Slc8a1
ENSMUSG0ENSMUSG0	760.9886	-0.16756	0.133817	-1.25218	0.210503	0.659576	Zfp869
ENSMUSG0ENSMUSG0	671.3201	0.020234	0.087793	0.230471	0.817726	0.959878	Ano9
ENSMUSG0ENSMUSG0	1419.317	0.140788	0.065472	2.150341	0.031528	0.285141	1600014C1
ENSMUSG0ENSMUSG0	56.9705	0.105669	0.144371	0.731925	0.464214	0.835711	Srsf12
ENSMUSG0ENSMUSG0	3126.072	0.07788	0.093653	0.831586	0.405643	0.80178	Adam10
ENSMUSG0ENSMUSG0	770.2127	-0.10951	0.097533	-1.12279	0.261527	0.705232	Ap1s3
ENSMUSG0ENSMUSG0	712.0848	-0.09542	0.120077	-0.79467	0.426807	0.81459	Ankrd24
ENSMUSG0ENSMUSG0	756.0011	-0.13489	0.106483	-1.26678	0.205233	0.653023	Zscan22
ENSMUSG0ENSMUSG0	358.9596	0.107031	0.141191	0.758059	0.448416	0.824821	Zfp771
ENSMUSG0ENSMUSG0	9396.374	-0.16011	0.088659	-1.80589	0.070936	0.425044	Hmgb2
ENSMUSG0ENSMUSG0	172.3346	-0.2381	0.128281	-1.85609	0.063441	0.405274	Lrrc8c
ENSMUSG0ENSMUSG0	1405.286	-0.37109	0.107515	-3.45149	0.000558	0.025609	Vmac
ENSMUSG0ENSMUSG0	1694.385	0.162921	0.132589	1.228765	0.21916	0.669212	Phactr1
ENSMUSG0ENSMUSG0	448.3547	0.232956	0.117716	1.978963	0.04782	0.351989	Msra
ENSMUSG0ENSMUSG0	243.5927	-0.11186	0.110515	-1.0122	0.31144	0.745302	Zfp182
ENSMUSG0ENSMUSG0	1903.778	-0.01647	0.111267	-0.14806	0.882297	0.97694	Fsd1l
ENSMUSG0ENSMUSG0	56.38641	0.031169	0.143018	0.217936	0.827479	0.962789	Defb42
ENSMUSG0ENSMUSG0	6410.632	0.07733	0.072725	1.063325	0.287635	0.727908	Set
ENSMUSG0ENSMUSG0	358.4666	-0.09669	0.101223	-0.95524	0.339454	0.762731	Kctd18
ENSMUSG0ENSMUSG0	414.8468	0.222156	0.078771	2.820272	0.004798	0.101688	Klhl18
ENSMUSG0ENSMUSG0	348.691	-0.39756	0.101511	-3.91646	8.99E-05	0.007602	Cadm4
ENSMUSG0ENSMUSG0	15884.15	0.088404	0.077216	1.144888	0.252255	0.69826	Actn4
ENSMUSG0ENSMUSG0	907.3401	-0.02317	0.081099	-0.28574	0.775079	0.950088	Usp46
ENSMUSG0ENSMUSG0	1719.376	-0.01736	0.100352	-0.17296	0.862683	0.973203	Nsd3
ENSMUSG0ENSMUSG0	400.7533	0.113572	0.115517	0.983165	0.325526	0.754238	Elp6
ENSMUSG0ENSMUSG0	1177.428	-0.09352	0.098897	-0.94568	0.344314	0.766294	Atrnl1
ENSMUSG0ENSMUSG0	414.682	0.305604	0.097447	3.136117	0.001712	0.051426	Smim10l2a
ENSMUSG0ENSMUSG0	580.3539	0.12418	0.095578	1.299251	0.193858	0.639447	Rnd1
ENSMUSG0ENSMUSG0	1003.415	-0.06187	0.122606	-0.50465	0.613802	0.905694	Fam19a5
ENSMUSG0ENSMUSG0	169.6829	-0.1032	0.133824	-0.77114	0.440622	0.821221	Tmem158
ENSMUSG0ENSMUSG0	2315.92	0.023841	0.078487	0.303763	0.761308	0.946291	Pcnx3
ENSMUSG0ENSMUSG0	1128.58	-0.03381	0.14071	-0.24025	0.810134	0.958353	Dsp
ENSMUSG0ENSMUSG0	547.4938	-0.07227	0.119139	-0.60657	0.544139	0.87522	Zfp667
ENSMUSG0ENSMUSG0	290.2188	0.109657	0.129973	0.843693	0.398841	0.799177	Atp5s
ENSMUSG0ENSMUSG0	42.58246	0.159094	0.144581	1.100379	0.271167	0.713936	4931415C1
ENSMUSG0ENSMUSG0	69.93466	-0.12244	0.1248	-0.98106	0.326564	0.754362	Zkscan4
ENSMUSG0ENSMUSG0	56.69641	0.006696	0.145199	0.046117	0.963217	0.994289	Kcnmb4
ENSMUSG0ENSMUSG0	163.5479	0.028231	0.119734	0.235783	0.813601	0.959305	Zfp174
ENSMUSG0ENSMUSG0	2039.561	0.070904	0.090593	0.782667	0.433823	0.817251	Miga1
ENSMUSG0ENSMUSG0	99.41111	-0.24912	0.139949	-1.78011	0.075059	0.435125	Gm9958
ENSMUSG0ENSMUSG0	91.75696	-0.2642	0.134591	-1.96298	0.049649	0.360069	Zfp647
ENSMUSG0ENSMUSG0	185.1019	-0.07087	0.145849	-0.48594	0.627012	0.909722	Nyap2

ENSMUSG0ENSMUSGC	50.241	0.045069	0.137614	0.327505	0.743286	0.940717	Naaladl1
ENSMUSG0ENSMUSGC	86.80453	-0.36862	0.136563	-2.69923	0.00695	0.125543	Lrtm2
ENSMUSG0ENSMUSGC	7357.08	0.178229	0.061698	2.888719	0.003868	0.089613	Agap1
ENSMUSG0ENSMUSGC	2585.8	-0.14719	0.100328	-1.46711	0.142345	0.571875	Cntn1
ENSMUSG0ENSMUSGC	2139.838	-0.00924	0.136596	-0.06763	0.946079	0.989708	Ep300
ENSMUSG0ENSMUSGC	453.9635	0.034246	0.094864	0.361003	0.718097	0.935997	CommD5
ENSMUSG0ENSMUSGC	5590.359	0.373626	0.074496	5.015385	5.29E-07	0.000186	Nfic
ENSMUSG0ENSMUSGC	11079.3	-0.06686	0.096328	-0.69406	0.487647	0.850076	Ddx17
ENSMUSG0ENSMUSGC	424.422	0.044565	0.12641	0.352544	0.72443	0.937928	Smyd3
ENSMUSG0ENSMUSGC	127.7494	0.089321	0.110765	0.8064	0.420012	0.81145	Rab39
ENSMUSG0ENSMUSGC	46.74346	-0.02446	0.045818	-0.53393	0.593393	0.895908	Gm8430
ENSMUSG0ENSMUSGC	36.76841	-0.21398	0.145008	-1.47562	0.140046	0.570385	Anxa13
ENSMUSG0ENSMUSGC	523.8885	0.004961	0.137735	0.036018	0.971268	0.995539	Arntl
ENSMUSG0ENSMUSGC	278.8044	-0.05311	0.145962	-0.36383	0.715984	0.93588	M5C1000I1
ENSMUSG0ENSMUSGC	846.0447	0.009712	0.118321	0.082082	0.934582	0.986608	Cgrrf1
ENSMUSG0ENSMUSGC	91.78425	0.039619	0.136491	0.29027	0.77161	0.949297	Zfp78
ENSMUSG0ENSMUSGC	115.175	0.052938	0.127204	0.416168	0.677287	0.927968	Fam72a
ENSMUSG0ENSMUSGC	36.82987	-0.01065	0.143965	-0.07397	0.941034	0.988201	Rbm3os
ENSMUSG0ENSMUSGC	58.34747	0.013728	0.141984	0.096691	0.922972	0.985705	Fev
ENSMUSG0ENSMUSGC	171.2397	-0.11993	0.120575	-0.99464	0.319913	0.750709	Sertad3
ENSMUSG0ENSMUSGC	72.79962	-0.05749	0.131462	-0.43733	0.66187	0.924184	Zfp811
ENSMUSG0ENSMUSGC	3077.368	0.038918	0.082283	0.472976	0.63623	0.912525	Ankrd17
ENSMUSG0ENSMUSGC	210.8476	-0.08824	0.135779	-0.6499	0.515754	0.863015	Foxd2
ENSMUSG0ENSMUSGC	82.07579	-0.28264	0.125677	-2.24894	0.024516	0.249778	Pld5
ENSMUSG0ENSMUSGC	139.104	0.014025	0.126485	0.11088	0.911712	0.983954	Zfp935
ENSMUSG0ENSMUSGC	2472.709	0.041531	0.108296	0.383499	0.70135	0.934077	Kcmf1
ENSMUSG0ENSMUSGC	521.1317	0.052506	0.125347	0.418881	0.675303	0.927604	Zfp101
ENSMUSG0ENSMUSGC	17588.98	0.200718	0.111138	1.806019	0.070915	0.425044	Ntrk2
ENSMUSG0ENSMUSGC	1940.857	-0.07356	0.092869	-0.79209	0.428308	0.815119	Tmem245
ENSMUSG0ENSMUSGC	25428.15	0.109369	0.090349	1.210522	0.226079	0.675759	Mrfap1
ENSMUSG0ENSMUSGC	272.9342	0.206847	0.110916	1.864889	0.062197	0.401856	Zfp93
ENSMUSG0ENSMUSGC	85.24424	-0.08396	0.141795	-0.59212	0.553768	0.881128	Pgbd1
ENSMUSG0ENSMUSGC	2345.16	0.080921	0.080386	1.006658	0.314099	0.747209	Sec23ip
ENSMUSG0ENSMUSGC	1972.13	-0.07032	0.117516	-0.59839	0.549579	0.878535	Tead1
ENSMUSG0ENSMUSGC	247.4062	0.050095	0.133736	0.374579	0.707974	0.934791	Snupn
ENSMUSG0ENSMUSGC	2263.056	0.061509	0.087443	0.703419	0.481794	0.846451	Stam2
ENSMUSG0ENSMUSGC	127.139	-0.14548	0.144777	-1.00483	0.314978	0.747985	Fut9
ENSMUSG0ENSMUSGC	355.6392	-0.11939	0.115744	-1.03149	0.302313	0.739759	Fbxo6
ENSMUSG0ENSMUSGC	2173.552	0.109534	0.055977	1.956787	0.050373	0.362811	Map6
ENSMUSG0ENSMUSGC	3523.113	-0.01613	0.119258	-0.13523	0.892428	0.979424	Nell1
ENSMUSG0ENSMUSGC	108.8363	-0.0224	0.143011	-0.15666	0.87551	0.97593	H2-Q5
ENSMUSG0ENSMUSGC	151.7172	0.113875	0.14064	0.809687	0.41812	0.810236	Pcdh9
ENSMUSG0ENSMUSGC	3895.089	0.236705	0.130038	1.820284	0.068716	0.42107	Nap1l5
ENSMUSG0ENSMUSGC	2561.398	-0.13305	0.097476	-1.36494	0.172273	0.614048	Maf
ENSMUSG0ENSMUSGC	4621.609	0.016147	0.114712	0.140758	0.888061	0.978595	Srsf11
ENSMUSG0ENSMUSGC	3768.432	-0.14479	0.097672	-1.48239	0.138238	0.566242	Cd47
ENSMUSG0ENSMUSGC	60.00163	0.204958	0.141271	1.450814	0.146832	0.578349	Alk
ENSMUSG0ENSMUSGC	90.87406	-0.00651	0.133875	-0.0486	0.961235	0.994289	Zfp458
ENSMUSG0ENSMUSGC	692.6144	0.0483	0.140938	0.342703	0.731822	0.938791	Soga1
ENSMUSG0ENSMUSGC	86.17279	-0.01964	0.139475	-0.14083	0.888004	0.978595	Ano5
ENSMUSG0ENSMUSGC	1618.963	0.117723	0.084452	1.393959	0.16333	0.602536	Pprc1
ENSMUSG0ENSMUSGC	341.7889	-0.11866	0.132739	-0.89394	0.371353	0.78587	Epm2a

ENSMUSG0ENSMUSG0	2900.944	0.144384	0.061451	2.349585	0.018794	0.216061	Cpsf6
ENSMUSG0ENSMUSG0	1023.587	0.029698	0.102078	0.290935	0.771101	0.949297	Kxd1
ENSMUSG0ENSMUSG0	49.62919	-0.04809	0.143966	-0.33401	0.738375	0.940125	Zfp459
ENSMUSG0ENSMUSG0	1686.989	-0.03439	0.134848	-0.25503	0.798703	0.956402	Unc80
ENSMUSG0ENSMUSG0	395.2451	-0.05961	0.100292	-0.59439	0.552249	0.880447	Cdca7
ENSMUSG0ENSMUSG0	432.3699	-0.04316	0.094005	-0.45911	0.646158	0.916608	B4galnt4
ENSMUSG0ENSMUSG0	470.7707	0.07273	0.141592	0.51366	0.60749	0.903686	Zfp580
ENSMUSG0ENSMUSG0	1286.122	-0.01415	0.126178	-0.11214	0.910711	0.983347	Dach1
ENSMUSG0ENSMUSG0	440.8778	-0.09409	0.091858	-1.02431	0.305689	0.741542	Klhl25
ENSMUSG0ENSMUSG0	159.1597	-0.01099	0.115946	-0.0948	0.924475	0.985705	Mettl4
ENSMUSG0ENSMUSG0	1515.76	0.002713	0.075046	0.03615	0.971162	0.995539	Zzef1
ENSMUSG0ENSMUSG0	42.32918	-0.03253	0.089454	-0.36368	0.716099	0.93588	Kbtbd11
ENSMUSG0ENSMUSG0	116.6713	-0.19392	0.113803	-1.70402	0.088376	0.468595	Gm5069
ENSMUSG0ENSMUSG0	11347.64	0.141953	0.112796	1.2585	0.208211	0.656559	Cope
ENSMUSG0ENSMUSG0	148.8084	0.042125	0.141986	0.296684	0.766707	0.94842	Tmem191c
ENSMUSG0ENSMUSG0	70.70635	0.041175	0.1325	0.310755	0.755987	0.944671	Gm9978
ENSMUSG0ENSMUSG0	753.166	0.02278	0.078092	0.291714	0.770505	0.949297	Klhl26
ENSMUSG0ENSMUSG0	818.507	0.016588	0.097618	0.169932	0.865063	0.973916	Slain1
ENSMUSG0ENSMUSG0	1823.315	0.138657	0.080611	1.720087	0.085417	0.460946	Ubl7
ENSMUSG0ENSMUSG0	1312.718	0.140621	0.086346	1.628572	0.103404	0.499892	Rras2
ENSMUSG0ENSMUSG0	261.0059	0.07382	0.131944	0.559477	0.575836	0.890536	Paqr3
ENSMUSG0ENSMUSG0	528.1948	0.160754	0.096414	1.66732	0.095451	0.485498	Nap1l3
ENSMUSG0ENSMUSG0	4651.396	-0.21741	0.079621	-2.73061	0.006322	0.118516	Ghr
ENSMUSG0ENSMUSG0	717.2013	0.107046	0.112943	0.947785	0.343239	0.765528	Rtl6
ENSMUSG0ENSMUSG0	1620.489	0.024742	0.094401	0.262094	0.793249	0.955329	Gemin6
ENSMUSG0ENSMUSG0	4684.418	0.243988	0.105659	2.309199	0.020933	0.229472	Eef1d
ENSMUSG0ENSMUSG0	150.926	0.12657	0.144507	0.875874	0.381098	0.79028	Abcd2
ENSMUSG0ENSMUSG0	370.0064	-0.04991	0.125257	-0.39844	0.690307	0.931679	Fmnl1
ENSMUSG0ENSMUSG0	816.1655	-0.074	0.134629	-0.54966	0.582553	0.892926	Mta3
ENSMUSG0ENSMUSG0	38.29591	-0.00539	0.140867	-0.03824	0.9695	0.995539	A230083G1
ENSMUSG0ENSMUSG0	549.9673	-0.02311	0.104704	-0.22075	0.825284	0.962521	Zfp1
ENSMUSG0ENSMUSG0	5287.939	0.125268	0.113841	1.100379	0.271167	0.713936	Elob
ENSMUSG0ENSMUSG0	1875.378	0.10945	0.09549	1.146196	0.251714	0.697958	Rnf181
ENSMUSG0ENSMUSG0	514.6864	0.270279	0.113526	2.38077	0.017276	0.204548	Izumo4
ENSMUSG0ENSMUSG0	1548.759	-0.07462	0.083377	-0.89495	0.370813	0.785483	Per2
ENSMUSG0ENSMUSG0	1119.432	-0.05162	0.104633	-0.49337	0.621752	0.907988	Fancm
ENSMUSG0ENSMUSG0	968.9639	-0.02818	0.138418	-0.20358	0.838683	0.965671	Ppp4r1l-ps
ENSMUSG0ENSMUSG0	529.4077	-0.0685	0.098363	-0.69643	0.486158	0.849055	Tmem69
ENSMUSG0ENSMUSG0	146.3655	-0.14401	0.145849	-0.98739	0.323452	0.752685	Tmem150a
ENSMUSG0ENSMUSG0	714.5168	0.07097	0.083574	0.849178	0.395782	0.797111	Zfp277
ENSMUSG0ENSMUSG0	293.6429	-0.20747	0.114471	-1.81239	0.069926	0.423462	Aasdh
ENSMUSG0ENSMUSG0	2777.766	0.137423	0.088047	1.560794	0.118572	0.529026	Fto
ENSMUSG0ENSMUSG0	4544.711	0.053139	0.0774	0.686551	0.492366	0.852803	Emc7
ENSMUSG0ENSMUSG0	169.5886	-0.08727	0.144105	-0.60559	0.544784	0.875467	Triqk
ENSMUSG0ENSMUSG0	238.9165	-0.10758	0.146001	-0.73682	0.461232	0.833823	Cldn23
ENSMUSG0ENSMUSG0	643.8212	-0.21495	0.128906	-1.66753	0.095409	0.485498	Irs1
ENSMUSG0ENSMUSG0	403.5835	-0.0484	0.089292	-0.54205	0.587782	0.894311	Zkscan5
ENSMUSG0ENSMUSG0	2418.252	-0.12673	0.095709	-1.32406	0.185483	0.631891	9330182L0I
ENSMUSG0ENSMUSG0	392.8685	0.150685	0.08413	1.7911	0.073277	0.431177	A430033K0
ENSMUSG0ENSMUSG0	62.11042	0.007731	0.145067	0.053289	0.957501	0.993011	Zfp709
ENSMUSG0ENSMUSG0	8462.011	-0.01818	0.09055	-0.20077	0.84088	0.96667	Mia3
ENSMUSG0ENSMUSG0	97.69967	0.216857	0.145753	1.487836	0.136794	0.563317	Sag

ENSMUSG0ENSMUSGC	99.5107	-0.1788	0.129178	-1.38414	0.166315	0.605329	Fam105a
ENSMUSG0ENSMUSGC	108.4903	-0.10447	0.118303	-0.88309	0.377187	0.788723	Grik2
ENSMUSG0ENSMUSGC	7513.787	0.123579	0.073531	1.680631	0.092835	0.477855	Eif3b
ENSMUSG0ENSMUSGC	1035.984	-0.02805	0.115918	-0.24194	0.808824	0.958353	St3gal5
ENSMUSG0ENSMUSGC	625.0007	-0.32257	0.13774	-2.34184	0.019189	0.218112	H2-T22
ENSMUSG0ENSMUSGC	180.0305	-0.06343	0.130789	-0.48501	0.627668	0.910279	Fez2
ENSMUSG0ENSMUSGC	1670.299	0.151508	0.089341	1.695841	0.089916	0.472413	B4galt6
ENSMUSG0ENSMUSGC	1016.464	0.083277	0.081739	1.018805	0.308296	0.743099	Pgm3
ENSMUSG0ENSMUSGC	772.1531	0.171176	0.071442	2.396001	0.016575	0.202349	Socs6
ENSMUSG0ENSMUSGC	2127.716	-0.11967	0.137285	-0.87172	0.383362	0.790739	Car10
ENSMUSG0ENSMUSGC	2326.357	0.030506	0.053849	0.566512	0.571046	0.889335	Cnot10
ENSMUSG0ENSMUSGC	906.4919	0.240844	0.101357	2.37619	0.017492	0.206556	Snx32
ENSMUSG0ENSMUSGC	17796.75	0.046843	0.092577	0.50599	0.612864	0.90509	Cfl1
ENSMUSG0ENSMUSGC	696.984	-0.16194	0.117837	-1.37423	0.169369	0.610039	Pgpep1
ENSMUSG0ENSMUSGC	460.6845	0.055946	0.112891	0.495576	0.620193	0.907694	Npm3
ENSMUSG0ENSMUSGC	3380.092	0.059214	0.076763	0.771382	0.440481	0.821186	R3hdm1
ENSMUSG0ENSMUSGC	603.6592	0.130039	0.088763	1.465026	0.142914	0.572126	Pard6g
ENSMUSG0ENSMUSGC	2489.797	-0.13179	0.140733	-0.93646	0.349038	0.771044	Cebpg
ENSMUSG0ENSMUSGC	7363.322	0.04162	0.090746	0.45864	0.646493	0.916888	Spock1
ENSMUSG0ENSMUSGC	976.613	0.067507	0.087481	0.771677	0.440306	0.821186	Cars2
ENSMUSG0ENSMUSGC	3304.569	0.106927	0.092583	1.154927	0.24812	0.695618	Ncoa4
ENSMUSG0ENSMUSGC	123.7205	-0.09428	0.144093	-0.65427	0.512935	0.861822	Kcnq3
ENSMUSG0ENSMUSGC	904.6024	-0.23992	0.101466	-2.36458	0.01805	0.21091	Lrnf1
ENSMUSG0ENSMUSGC	850.9499	-0.00287	0.098422	-0.02917	0.976726	0.996317	Cep70
ENSMUSG0ENSMUSGC	526.8854	-0.01724	0.097476	-0.17691	0.859581	0.972503	Dennd1b
ENSMUSG0ENSMUSGC	384.9202	0.001834	0.129159	0.014202	0.988669	0.998454	Synpr
ENSMUSG0ENSMUSGC	791.8509	0.046723	0.07979	0.585568	0.558166	0.882863	Usp39
ENSMUSG0ENSMUSGC	885.0903	0.042109	0.088402	0.47634	0.633832	0.912388	Tyw1
ENSMUSG0ENSMUSGC	829.7153	-0.24065	0.129625	-1.85647	0.063386	0.405203	Tcim
ENSMUSG0ENSMUSGC	5039.549	-0.00452	0.107089	-0.04218	0.966359	0.994967	Usp34
ENSMUSG0ENSMUSGC	456.4029	0.255774	0.106579	2.399844	0.016402	0.201513	Actr3b
ENSMUSG0ENSMUSGC	62.56168	-0.03623	0.139406	-0.25988	0.79496	0.955451	Taar1
ENSMUSG0ENSMUSGC	342.2396	0.051781	0.090294	0.573471	0.566326	0.887314	AI987944
ENSMUSG0ENSMUSGC	7355.733	0.210823	0.073999	2.848995	0.004386	0.09706	Lig1
ENSMUSG0ENSMUSGC	187.9263	-0.05519	0.142302	-0.38785	0.698126	0.933691	Gm12500
ENSMUSG0ENSMUSGC	106.8867	-0.12066	0.145409	-0.82976	0.406672	0.801957	Gm12396
ENSMUSG0ENSMUSGC	40.93456	0.089731	0.144758	0.619866	0.535346	0.872582	Adap1
ENSMUSG0ENSMUSGC	7999.305	-0.14693	0.08682	-1.69239	0.090571	0.473414	Tgln1
ENSMUSG0ENSMUSGC	149.2681	0.230083	0.113837	2.021172	0.043262	0.33585	Mok
ENSMUSG0ENSMUSGC	404.6621	0.127632	0.096217	1.326508	0.184672	0.631891	Zbtb25
ENSMUSG0ENSMUSGC	898.9984	0.148984	0.109481	1.360822	0.17357	0.615486	Med12l
ENSMUSG0ENSMUSGC	1102.388	-0.19057	0.119976	-1.58838	0.112201	0.51828	Chn1
ENSMUSG0ENSMUSGC	788.0553	-0.09406	0.101202	-0.92945	0.352654	0.773559	Foxk1
ENSMUSG0ENSMUSGC	132.0092	0.229685	0.143857	1.596622	0.11035	0.514156	Tmem154
ENSMUSG0ENSMUSGC	122.7324	-0.04526	0.145839	-0.31035	0.756295	0.944671	Cebpb
ENSMUSG0ENSMUSGC	845.2337	-0.34572	0.084868	-4.07361	4.63E-05	0.004723	Rab31
ENSMUSG0ENSMUSGC	187.1805	0.03253	0.117854	0.276019	0.782533	0.952219	Ccdc18
ENSMUSG0ENSMUSGC	1081.507	0.164758	0.09522	1.730283	0.08358	0.456096	Pign
ENSMUSG0ENSMUSGC	2493.733	0.196354	0.061352	3.200462	0.001372	0.044194	Rlim
ENSMUSG0ENSMUSGC	7093.617	0.055668	0.127896	0.43526	0.663374	0.924638	Ptpn2
ENSMUSG0ENSMUSGC	5369.407	0.063351	0.070604	0.897274	0.369573	0.784801	Tug1
ENSMUSG0ENSMUSGC	161.1311	-0.23477	0.111091	-2.11334	0.034572	0.30086	Zfp658

ENSMUSG0ENSMUSGC	3678.431	0.025077	0.129408	0.193782	0.846346	0.968351	Trnp1
ENSMUSG0ENSMUSGC	104.299	-0.09511	0.120801	-0.78731	0.431099	0.816305	Drc3
ENSMUSG0ENSMUSGC	77.74852	0.004109	0.136523	0.0301	0.975987	0.996296	Olf90
ENSMUSG0ENSMUSGC	845.7497	0.099429	0.086936	1.143697	0.252749	0.698467	Fry
ENSMUSG0ENSMUSGC	8995.871	0.159075	0.145445	1.093717	0.274079	0.716676	Chd9
ENSMUSG0ENSMUSGC	2723.506	0.375438	0.122489	3.065084	0.002176	0.060348	Ppp1r14b
ENSMUSG0ENSMUSGC	5032.964	0.001259	0.112428	0.011202	0.991062	0.998539	Fkbp2
ENSMUSG0ENSMUSGC	565.1754	-0.62394	0.136567	-4.56874	4.91E-06	0.000979	Them6
ENSMUSG0ENSMUSGC	331.9495	-0.14395	0.115269	-1.2488	0.211738	0.661131	Retsat
ENSMUSG0ENSMUSGC	511.8439	0.074377	0.145489	0.511218	0.609198	0.903796	Prelid2
ENSMUSG0ENSMUSGC	69.51663	-0.0367	0.131927	-0.27818	0.780874	0.95154	Kdm5d
ENSMUSG0ENSMUSGC	334.2268	-0.01473	0.122046	-0.1207	0.903927	0.982298	Gpr173
ENSMUSG0ENSMUSGC	85.04065	0.139662	0.12903	1.082398	0.279076	0.720991	Gm11696
ENSMUSG0ENSMUSGC	3532.404	0.018737	0.053304	0.351513	0.725204	0.938024	D17Wsu92i
ENSMUSG0ENSMUSGC	421.2071	-0.20009	0.097484	-2.05254	0.040117	0.325197	Elmod3
ENSMUSG0ENSMUSGC	943.349	-0.187	0.076239	-2.45285	0.014173	0.186006	Ier5
ENSMUSG0ENSMUSGC	38.84469	0.012007	0.144896	0.082864	0.933959	0.986608	Gm13199
ENSMUSG0ENSMUSGC	952.7864	-0.11817	0.12625	-0.93597	0.349289	0.771314	Nbeal2
ENSMUSG0ENSMUSGC	110.3289	-0.05782	0.141891	-0.40748	0.683656	0.93061	A930024E0
ENSMUSG0ENSMUSGC	699.0563	-0.10076	0.133289	-0.75595	0.449678	0.825539	Nfil3
ENSMUSG0ENSMUSGC	138.379	-0.04211	0.135361	-0.31113	0.755704	0.944599	Dnah9
ENSMUSG0ENSMUSGC	60.20476	-0.04568	0.140933	-0.32415	0.745822	0.941322	C330011M:
ENSMUSG0ENSMUSGC	1349.858	-0.02672	0.085337	-0.31316	0.754157	0.943986	Cspp1
ENSMUSG0ENSMUSGC	5932.355	0.154531	0.059952	2.577566	0.00995	0.152874	Setd3
ENSMUSG0ENSMUSGC	141.4809	-0.07756	0.122532	-0.63301	0.526728	0.868304	Gm4889
ENSMUSG0ENSMUSGC	821.4677	-0.09742	0.119458	-0.81551	0.414783	0.807961	St8sia3
ENSMUSG0ENSMUSGC	4206.864	0.044947	0.073743	0.609509	0.542187	0.875015	Tsnax
ENSMUSG0ENSMUSGC	490.0334	0.039959	0.102926	0.38823	0.697846	0.933691	Ttc26
ENSMUSG0ENSMUSGC	15002.68	0.034091	0.074496	0.457619	0.647226	0.917441	Pcbp2
ENSMUSG0ENSMUSGC	48.92074	0.221025	0.134137	1.647758	0.099402	0.491751	Gulp1
ENSMUSG0ENSMUSGC	687.7247	0.027171	0.145994	0.186107	0.852361	0.9698	Hist3h2ba
ENSMUSG0ENSMUSGC	87.24547	-0.07958	0.145988	-0.54512	0.585673	0.894063	Immp2l
ENSMUSG0ENSMUSGC	56.54176	0.161203	0.143043	1.126955	0.259762	0.704211	Usp13
ENSMUSG0ENSMUSGC	52.75599	0.145051	0.13876	1.045333	0.295869	0.735324	Gm5620
ENSMUSG0ENSMUSGC	710.1129	-0.00522	0.083809	-0.06233	0.950301	0.991323	Sipa1
ENSMUSG0ENSMUSGC	1142.636	0.043662	0.128538	0.339684	0.734095	0.938791	Cep162
ENSMUSG0ENSMUSGC	241.0352	-0.02593	0.10703	-0.24226	0.808579	0.958353	Acbd4
ENSMUSG0ENSMUSGC	1547.956	-0.02033	0.092796	-0.21908	0.826585	0.962521	Commd7
ENSMUSG0ENSMUSGC	1134.627	-0.01663	0.083585	-0.19897	0.842284	0.967032	Tatdn2
ENSMUSG0ENSMUSGC	2708.096	0.021859	0.13977	0.156397	0.87572	0.97593	Jmjd6
ENSMUSG0ENSMUSGC	62.20124	-0.09168	0.088337	-1.03789	0.299323	0.737987	Ces1d
ENSMUSG0ENSMUSGC	1411.045	0.182419	0.072125	2.529218	0.011432	0.16571	Ide
ENSMUSG0ENSMUSGC	7963.332	0.142891	0.106372	1.34332	0.179168	0.623409	Gm7536
ENSMUSG0ENSMUSGC	60.46211	-0.11868	0.14504	-0.81829	0.413194	0.807126	Inca1
ENSMUSG0ENSMUSGC	1531.732	0.207976	0.100077	2.078168	0.037694	0.314792	Skap1
ENSMUSG0ENSMUSGC	34057.88	0.115481	0.100313	1.151201	0.24965	0.696307	Ero1lb
ENSMUSG0ENSMUSGC	264.1813	0.051502	0.142464	0.361507	0.71772	0.935997	Zfp607b
ENSMUSG0ENSMUSGC	1182.563	-0.17871	0.093016	-1.92127	0.054697	0.378393	Zfp180
ENSMUSG0ENSMUSGC	151.5905	0.138287	0.135687	1.019164	0.308125	0.743099	Nat8f1
ENSMUSG0ENSMUSGC	881.7599	-0.16035	0.084067	-1.90739	0.056471	0.384314	Cntrl
ENSMUSG0ENSMUSGC	14876.13	0.157664	0.089074	1.770025	0.076723	0.439587	Npm1
ENSMUSG0ENSMUSGC	1447.85	0.122744	0.113379	1.082596	0.278988	0.720991	Txn14a

ENSMUSG0ENSMUSGC	1151.71	-0.10028	0.095137	-1.05401	0.291878	0.731721	Chd6
ENSMUSG0ENSMUSGC	2095.277	-0.03067	0.069188	-0.4433	0.657547	0.921426	Ado
ENSMUSG0ENSMUSGC	880.9765	-0.03472	0.088118	-0.39404	0.693551	0.932437	Dph6
ENSMUSG0ENSMUSGC	449.0285	-0.2291	0.130917	-1.74998	0.080122	0.447549	Homez
ENSMUSG0ENSMUSGC	159.0535	0.101601	0.120604	0.842434	0.399545	0.799703	Ccdc189
ENSMUSG0ENSMUSGC	4809.162	0.060676	0.057685	1.051864	0.292862	0.733087	Gsk3a
ENSMUSG0ENSMUSGC	1213.918	-0.09292	0.089515	-1.03804	0.299251	0.737987	5730455P1
ENSMUSG0ENSMUSGC	183.8798	-0.219	0.145744	-1.50261	0.13294	0.555792	Scn3a
ENSMUSG0ENSMUSGC	578.2385	0.024784	0.09506	0.260717	0.794311	0.955378	Slc44a2
ENSMUSG0ENSMUSGC	40.69456	0.042972	0.145502	0.295339	0.767735	0.948584	Olfr1028
ENSMUSG0ENSMUSGC	175.898	-0.07593	0.110001	-0.69024	0.490045	0.851509	Armc7
ENSMUSG0ENSMUSGC	75.90857	-0.00611	0.141948	-0.04304	0.965672	0.994842	Aadat
ENSMUSG0ENSMUSGC	832.0653	0.110549	0.090379	1.223165	0.221267	0.671829	Dmac2
ENSMUSG0ENSMUSGC	3451.324	0.194627	0.116057	1.676998	0.093543	0.479713	Aak1
ENSMUSG0ENSMUSGC	184.6255	0.026876	0.107269	0.250547	0.802164	0.956856	Mettl15
ENSMUSG0ENSMUSGC	10208.77	0.130513	0.078117	1.670741	0.094773	0.48418	Rbbp4
ENSMUSG0ENSMUSGC	84.97729	-0.16134	0.128054	-1.25996	0.207682	0.655666	Bbof1
ENSMUSG0ENSMUSGC	968.7687	0.091703	0.11076	0.827945	0.407702	0.802351	Snrpg
ENSMUSG0ENSMUSGC	137.0956	-0.14561	0.133284	-1.09249	0.274617	0.716894	St6galnac2
ENSMUSG0ENSMUSGC	1490.477	0.100584	0.078289	1.284778	0.19887	0.645843	Arhgap24
ENSMUSG0ENSMUSGC	5852.005	0.160434	0.109035	1.471394	0.141184	0.57119	Rpl38
ENSMUSG0ENSMUSGC	159.9896	-0.07703	0.145969	-0.52771	0.597702	0.897897	Bcl2
ENSMUSG0ENSMUSGC	2336.858	0.049083	0.114584	0.428359	0.66839	0.925067	Cep170
ENSMUSG0ENSMUSGC	1272.52	0.353111	0.061341	5.756503	8.59E-09	7.17E-06	Sphk2
ENSMUSG0ENSMUSGC	391.6051	0.117545	0.116884	1.005657	0.314581	0.747423	Gm17494
ENSMUSG0ENSMUSGC	576.3496	-0.16255	0.090813	-1.78994	0.073464	0.431352	Uxs1
ENSMUSG0ENSMUSGC	1407.43	-0.09331	0.087901	-1.06155	0.288441	0.728621	Birc2
ENSMUSG0ENSMUSGC	1798.598	-0.12013	0.100281	-1.19793	0.230943	0.68059	Yipf1
ENSMUSG0ENSMUSGC	1427.153	0.201745	0.105119	1.919201	0.054959	0.379148	Mrpl18
ENSMUSG0ENSMUSGC	111.2238	-0.1946	0.133	-1.46318	0.143419	0.572261	Zfp759
ENSMUSG0ENSMUSGC	5291.456	-0.00464	0.086513	-0.0536	0.957253	0.993011	Nsd2
ENSMUSG0ENSMUSGC	264.0827	0.006883	0.100226	0.068675	0.945248	0.989671	Zfp53
ENSMUSG0ENSMUSGC	1388.639	-0.02813	0.110827	-0.25379	0.79966	0.956574	Fam173a
ENSMUSG0ENSMUSGC	1196.647	-0.02773	0.090872	-0.30515	0.76025	0.945975	Las1l
ENSMUSG0ENSMUSGC	1163.238	0.085018	0.097029	0.876213	0.380914	0.79028	Mpp7
ENSMUSG0ENSMUSGC	1010.289	0.191579	0.132395	1.44702	0.147891	0.579895	Rit2
ENSMUSG0ENSMUSGC	119.5652	0.064681	0.113118	0.571803	0.567456	0.888146	Phex
ENSMUSG0ENSMUSGC	1000.236	0.230149	0.080356	2.864104	0.004182	0.093791	E2f6
ENSMUSG0ENSMUSGC	813.3795	0.147962	0.081472	1.816115	0.069353	0.421956	Fam136a
ENSMUSG0ENSMUSGC	42.86063	0.122856	0.1412	0.870084	0.384255	0.79106	Olfr1459
ENSMUSG0ENSMUSGC	913.6312	0.139173	0.098076	1.419032	0.15589	0.594364	Bloc1s2
ENSMUSG0ENSMUSGC	2968.227	-0.10515	0.064183	-1.63828	0.101364	0.496492	Spop
ENSMUSG0ENSMUSGC	32581.01	0.069512	0.10877	0.639073	0.522775	0.867042	Ece1
ENSMUSG0ENSMUSGC	1737.72	-0.05437	0.092795	-0.5859	0.557945	0.882863	Dtnbp1
ENSMUSG0ENSMUSGC	471.172	-0.15811	0.082992	-1.90517	0.056758	0.384967	Pus7
ENSMUSG0ENSMUSGC	721.8095	-0.00812	0.092391	-0.08791	0.929945	0.985827	Zfp317
ENSMUSG0ENSMUSGC	1297.687	-0.24027	0.063788	-3.76666	0.000165	0.011579	Lgals8
ENSMUSG0ENSMUSGC	2093.256	0.125079	0.080804	1.547932	0.121639	0.534323	Eif1a
ENSMUSG0ENSMUSGC	928.8854	0.017247	0.09136	0.188784	0.850262	0.969418	Zbtb8os
ENSMUSG0ENSMUSGC	425.6508	0.076226	0.100037	0.761976	0.446074	0.824037	Arl16
ENSMUSG0ENSMUSGC	405.6954	-0.02889	0.117887	-0.24507	0.806402	0.958353	Lmcd1
ENSMUSG0ENSMUSGC	94.87094	0.067055	0.144842	0.462949	0.643401	0.914944	Gnai1

ENSMUSG0ENSMUSG0	1361.41	-0.0648	0.100415	-0.64536	0.518697	0.864409	Prdm2
ENSMUSG0ENSMUSG0	1439.245	0.135098	0.058504	2.3092	0.020932	0.229472	Brd9
ENSMUSG0ENSMUSG0	131551.2	0.116689	0.133746	0.872464	0.382955	0.790739	Gapdh
ENSMUSG0ENSMUSG0	501.2673	0.028952	0.113261	0.255625	0.798241	0.956402	Bloc1s3
ENSMUSG0ENSMUSG0	4662.981	-0.0197	0.13058	-0.15085	0.880092	0.97663	Pkn1
ENSMUSG0ENSMUSG0	1015.016	0.040634	0.11636	0.349212	0.72693	0.938557	Zfp746
ENSMUSG0ENSMUSG0	367.2774	-0.30182	0.126074	-2.39396	0.016668	0.202542	Mex3b
ENSMUSG0ENSMUSG0	162.6205	-0.20862	0.144152	-1.44723	0.147832	0.579835	A830018L1
ENSMUSG0ENSMUSG0	566.6286	-0.09533	0.091375	-1.04333	0.296796	0.735498	Tmem178b
ENSMUSG0ENSMUSG0	13210.44	0.11454	0.099452	1.151713	0.249439	0.696085	Sptan1
ENSMUSG0ENSMUSG0	245.7721	-0.00117	0.096182	-0.01212	0.990326	0.998539	Cyb5d2
ENSMUSG0ENSMUSG0	2322.23	0.079612	0.090888	0.875937	0.381064	0.79028	Ddx49
ENSMUSG0ENSMUSG0	760.4962	0.059747	0.096638	0.618255	0.536407	0.872707	Bak1
ENSMUSG0ENSMUSG0	179.7071	-0.13587	0.097919	-1.3876	0.16526	0.604469	Zfp119a
ENSMUSG0ENSMUSG0	1924.891	-0.11376	0.068572	-1.65895	0.097126	0.487088	Xlr3a
ENSMUSG0ENSMUSG0	8996.012	0.121388	0.115371	1.052151	0.29273	0.733033	Rpl32
ENSMUSG0ENSMUSG0	93.59376	-0.03187	0.13341	-0.23886	0.811218	0.95864	Zfp595
ENSMUSG0ENSMUSG0	508.8538	0.031749	0.106641	0.29772	0.765917	0.947876	Fam204a
ENSMUSG0ENSMUSG0	3877.006	0.147132	0.116414	1.26387	0.206277	0.653818	Rpl36
ENSMUSG0ENSMUSG0	3244.607	0.11694	0.14124	0.827956	0.407696	0.802351	Abat
ENSMUSG0ENSMUSG0	408.6651	-0.18103	0.110628	-1.63638	0.101759	0.497207	Zfp329
ENSMUSG0ENSMUSG0	1536.842	0.000903	0.141629	0.006376	0.994912	0.998655	Camk2b
ENSMUSG0ENSMUSG0	550.4303	-0.10381	0.123544	-0.84025	0.400766	0.79975	Cacnb2
ENSMUSG0ENSMUSG0	83.92443	0.165252	0.142886	1.15653	0.247464	0.695372	Unc13d
ENSMUSG0ENSMUSG0	4644.182	0.034847	0.143792	0.242344	0.808514	0.958353	Itpk1
ENSMUSG0ENSMUSG0	430.4782	0.016384	0.088152	0.18586	0.852555	0.9698	Zfp809
ENSMUSG0ENSMUSG0	1041.264	0.286766	0.117723	2.435946	0.014853	0.190903	Mdn1
ENSMUSG0ENSMUSG0	2690.764	0.041479	0.102661	0.404042	0.686182	0.931173	Sep-11
ENSMUSG0ENSMUSG0	63.44122	-0.15341	0.142745	-1.07474	0.28249	0.723519	Adtrp
ENSMUSG0ENSMUSG0	339.1963	0.051773	0.141635	0.365539	0.714709	0.935647	Palld
ENSMUSG0ENSMUSG0	1725.957	-0.09339	0.068729	-1.35887	0.174188	0.616766	Eml1
ENSMUSG0ENSMUSG0	3983.77	0.062569	0.081701	0.765831	0.443777	0.823084	Sdhc
ENSMUSG0ENSMUSG0	336.4623	-0.09751	0.115822	-0.84185	0.399871	0.79975	Zfp729b
ENSMUSG0ENSMUSG0	1808.007	0.052438	0.13418	0.390806	0.695941	0.933215	Gstm1
ENSMUSG0ENSMUSG0	97.92136	-0.1376	0.137207	-1.00283	0.315941	0.748791	Adamts17
ENSMUSG0ENSMUSG0	1598.654	-0.06436	0.080059	-0.80395	0.421427	0.812025	Xlr3c
ENSMUSG0ENSMUSG0	14543.5	0.126	0.124731	1.01017	0.312414	0.746254	Sez6l
ENSMUSG0ENSMUSG0	213.2045	-0.07204	0.103989	-0.69277	0.488451	0.850258	T2
ENSMUSG0ENSMUSG0	121.3479	-0.28163	0.123755	-2.27572	0.022863	0.241017	Smco4
ENSMUSG0ENSMUSG0	78.81668	-0.27381	0.144348	-1.89687	0.057845	0.388037	Gm5148
ENSMUSG0ENSMUSG0	41.98006	-0.22945	0.143955	-1.5939	0.110959	0.515233	Mmel1
ENSMUSG0ENSMUSG0	369.33	-0.00092	0.099731	-0.00918	0.992677	0.998539	Zfp846
ENSMUSG0ENSMUSG0	3652.991	-0.02745	0.082925	-0.33108	0.740582	0.940232	Arhgap35
ENSMUSG0ENSMUSG0	3051.477	-0.05152	0.110691	-0.46544	0.641619	0.914411	Usf2
ENSMUSG0ENSMUSG0	1749.136	0.154343	0.083402	1.850595	0.064228	0.408436	Cryzl1
ENSMUSG0ENSMUSG0	832.4213	-0.17895	0.108082	-1.65571	0.097781	0.488614	Kcnh1
ENSMUSG0ENSMUSG0	14168.22	0.077445	0.052626	1.47162	0.141124	0.57119	Tspan7
ENSMUSG0ENSMUSG0	2932.518	0.255428	0.105379	2.423903	0.015355	0.194299	Idi1
ENSMUSG0ENSMUSG0	1235.901	0.098563	0.103623	0.951169	0.341519	0.76403	Mrps14
ENSMUSG0ENSMUSG0	1525.411	0.00022	0.104209	0.002112	0.998315	0.998981	Esp1
ENSMUSG0ENSMUSG0	1644.573	0.004527	0.077352	0.058529	0.953327	0.992357	Zfp68
ENSMUSG0ENSMUSG0	2619.85	0.008603	0.108289	0.079441	0.936682	0.986886	Spock2

ENSMUSG0ENSMUSGC	569.4618	-0.11056	0.087562	-1.26265	0.206713	0.654151	Mcm9
ENSMUSG0ENSMUSGC	2820.197	0.019232	0.098219	0.195808	0.844761	0.967714	Upf1
ENSMUSG0ENSMUSGC	946.252	-0.01059	0.118402	-0.08944	0.928735	0.985705	Ube2e2
ENSMUSG0ENSMUSGC	1074.691	0.144816	0.113908	1.271341	0.203607	0.651729	Phf21a
ENSMUSG0ENSMUSGC	77.76384	0.15551	0.126146	1.232779	0.217658	0.668044	Zfp85
ENSMUSG0ENSMUSGC	516.3581	0.156318	0.115147	1.357549	0.174607	0.617483	Smim4
ENSMUSG0ENSMUSGC	6242.091	0.052448	0.121768	0.430717	0.666674	0.925067	Abce1
ENSMUSG0ENSMUSGC	599.383	-0.06749	0.118529	-0.56943	0.569067	0.888531	Gm10040
ENSMUSG0ENSMUSGC	37.09922	-0.01611	0.142288	-0.11321	0.909863	0.983197	Hist1h2bg
ENSMUSG0ENSMUSGC	2044.215	0.037417	0.063346	0.590668	0.554743	0.881825	Phtf1
ENSMUSG0ENSMUSGC	664.596	0.026361	0.110606	0.238336	0.811621	0.95864	Rrp1b
ENSMUSG0ENSMUSGC	208.0524	0.178124	0.117535	1.515493	0.129648	0.549048	Zfp420
ENSMUSG0ENSMUSGC	2416.008	0.098932	0.08152	1.213593	0.224903	0.674924	Txndc9
ENSMUSG0ENSMUSGC	981.8275	-0.00305	0.076554	-0.03984	0.96822	0.995519	Nrf1
ENSMUSG0ENSMUSGC	32219.64	0.224451	0.10868	2.065252	0.038899	0.32091	Rpl10-ps3
ENSMUSG0ENSMUSGC	1130.178	-0.08062	0.087845	-0.91772	0.358767	0.776427	Map2k5
ENSMUSG0ENSMUSGC	2559.979	-0.0326	0.092701	-0.35163	0.725119	0.938024	Znrf2
ENSMUSG0ENSMUSGC	1943.747	-0.25273	0.138072	-1.83044	0.067184	0.416339	Dhcr7
ENSMUSG0ENSMUSGC	405.3554	0.145064	0.090355	1.605491	0.108386	0.510418	Wdr91
ENSMUSG0ENSMUSGC	261.8475	-0.26398	0.128947	-2.04722	0.040636	0.327813	Kl
ENSMUSG0ENSMUSGC	766.3359	0.047753	0.077786	0.613906	0.539278	0.873794	Fam133b
ENSMUSG0ENSMUSGC	13874.57	0.183562	0.102007	1.79951	0.071938	0.428676	Rpl23a
ENSMUSG0ENSMUSGC	2015.962	0.098766	0.075879	1.301631	0.193042	0.639447	Rpl5
ENSMUSG0ENSMUSGC	5875.656	0.007049	0.081436	0.086562	0.93102	0.986301	Tmed9
ENSMUSG0ENSMUSGC	907.147	0.020013	0.11992	0.166885	0.86746	0.974473	Gpc6
ENSMUSG0ENSMUSGC	889.9568	-0.10165	0.125701	-0.8087	0.418689	0.810635	Serhl
ENSMUSG0ENSMUSGC	1514.945	-0.06848	0.104208	-0.65713	0.511097	0.860852	Tmod3
ENSMUSG0ENSMUSGC	312.151	-0.33972	0.135331	-2.51027	0.012064	0.170389	Anks1b
ENSMUSG0ENSMUSGC	1663.278	0.082314	0.079607	1.034001	0.301136	0.739127	Fbxo18
ENSMUSG0ENSMUSGC	6883.004	0.130425	0.107657	1.211483	0.22571	0.675195	Rpl30
ENSMUSG0ENSMUSGC	5887.126	0.194523	0.112758	1.725128	0.084504	0.459175	Rpl28-ps1
ENSMUSG0ENSMUSGC	602.3969	-0.14517	0.078761	-1.84313	0.06531	0.411796	Zfp110
ENSMUSG0ENSMUSGC	8251.899	0.067908	0.111235	0.610485	0.541541	0.874777	Eif4b
ENSMUSG0ENSMUSGC	46.63798	0.16553	0.145993	1.133816	0.256872	0.702333	Samd12
ENSMUSG0ENSMUSGC	5498.384	0.381558	0.120479	3.167016	0.00154	0.048157	Tubb2a
ENSMUSG0ENSMUSGC	1270.359	0.128011	0.103533	1.236424	0.216301	0.667111	Ccser2
ENSMUSG0ENSMUSGC	1704.792	0.15451	0.070221	2.20033	0.027783	0.266797	Memo1
ENSMUSG0ENSMUSGC	321.2149	-0.18402	0.10049	-1.83126	0.067061	0.416339	0610030E2
ENSMUSG0ENSMUSGC	2273.032	0.040135	0.083347	0.481542	0.630131	0.911457	Egln2
ENSMUSG0ENSMUSGC	43.44135	-0.05111	0.141353	-0.36159	0.717659	0.935997	Fcer1g
ENSMUSG0ENSMUSGC	1149.535	0.10523	0.067219	1.565463	0.117474	0.527212	Lin9
ENSMUSG0ENSMUSGC	167.4459	-0.01848	0.142435	-0.12973	0.896779	0.98034	Kcnt1
ENSMUSG0ENSMUSGC	245.8265	-0.03959	0.094158	-0.42049	0.674126	0.927604	Zfp958
ENSMUSG0ENSMUSGC	867.2635	0.043658	0.145101	0.300877	0.763508	0.946824	Thra
ENSMUSG0ENSMUSGC	570.8389	0.080382	0.106002	0.758313	0.448264	0.824655	Rnf169
ENSMUSG0ENSMUSGC	3953.726	0.078351	0.066181	1.183892	0.236456	0.685759	Cds2
ENSMUSG0ENSMUSGC	13300.24	0.09292	0.051695	1.79746	0.072263	0.429142	Nap1l1
ENSMUSG0ENSMUSGC	1789.78	0.152035	0.121795	1.248286	0.211926	0.661564	Rex1bd
ENSMUSG0ENSMUSGC	1966.575	0.013553	0.082748	0.163786	0.8699	0.975011	Abi1
ENSMUSG0ENSMUSGC	2713.727	-0.00933	0.102062	-0.09145	0.927138	0.985705	Zfp516
ENSMUSG0ENSMUSGC	1528.09	-0.14233	0.081055	-1.75594	0.079099	0.445187	Deaf1
ENSMUSG0ENSMUSGC	110.9217	-0.08586	0.119833	-0.71653	0.473666	0.8419	Rsl1

ENSMUSG0ENSMUSG0	5652.782	0.122932	0.086465	1.421748	0.155099	0.592516	Gm10053
ENSMUSG0ENSMUSG0	1264.365	0.150428	0.109049	1.379454	0.167755	0.607654	Fam57b
ENSMUSG0ENSMUSG0	684.2356	0.093129	0.096955	0.960536	0.336786	0.759928	Kcnc1
ENSMUSG0ENSMUSG0	1664.954	-0.13936	0.077642	-1.79491	0.072668	0.430201	Hdhd5
ENSMUSG0ENSMUSG0	1428.721	-0.21515	0.080502	-2.67256	0.007527	0.131356	Vwa8
ENSMUSG0ENSMUSG0	16414.92	-0.00012	0.07416	-0.00164	0.998692	0.999141	Hnrnpa3
ENSMUSG0ENSMUSG0	403.2288	-0.17291	0.111483	-1.55097	0.12091	0.533522	Sh2d3c
ENSMUSG0ENSMUSG0	249.8698	-0.14631	0.137126	-1.06701	0.285969	0.726582	9630013D2
ENSMUSG0ENSMUSG0	43.07801	-0.18512	0.143818	-1.28716	0.198039	0.645235	Rad51b
ENSMUSG0ENSMUSG0	12606.24	0.134959	0.103471	1.304317	0.192126	0.638822	Rpl18
ENSMUSG0ENSMUSG0	6144.712	0.098036	0.08606	1.139165	0.254634	0.700349	Nap1l4
ENSMUSG0ENSMUSG0	348.5049	0.012983	0.123791	0.104881	0.91647	0.984548	Zfp945
ENSMUSG0ENSMUSG0	371.9675	0.062401	0.145963	0.427516	0.669004	0.925067	Ntrk3
ENSMUSG0ENSMUSG0	169.1052	0.060978	0.14571	0.418489	0.67559	0.927604	Mfsd4a
ENSMUSG0ENSMUSG0	1488.051	0.215096	0.096245	2.234879	0.025425	0.255032	Skap2
ENSMUSG0ENSMUSG0	452.2482	-0.00347	0.088873	-0.03901	0.968884	0.995539	Mtfmt
ENSMUSG0ENSMUSG0	71.7655	0.100633	0.138812	0.724958	0.468478	0.838979	Fam19a1
ENSMUSG0ENSMUSG0	6537.179	0.06976	0.06909	1.009695	0.312641	0.746664	Hnrnmp
ENSMUSG0ENSMUSG0	2132.454	0.198147	0.128606	1.54073	0.123383	0.536619	Sep-09
ENSMUSG0ENSMUSG0	3273.423	0.004951	0.071508	0.06923	0.944806	0.989441	Usp47
ENSMUSG0ENSMUSG0	2360.892	-0.07394	0.099897	-0.74012	0.459227	0.832245	Zc3h4
ENSMUSG0ENSMUSG0	93.71802	-0.09187	0.137082	-0.67015	0.502761	0.856225	R74862
ENSMUSG0ENSMUSG0	1224.845	0.088544	0.111021	0.797542	0.425136	0.814271	Naa38
ENSMUSG0ENSMUSG0	299.9942	-0.20664	0.101679	-2.03223	0.04213	0.33254	Cdyl
ENSMUSG0ENSMUSG0	9825.969	0.156554	0.104053	1.504569	0.132435	0.555041	Rpl11
ENSMUSG0ENSMUSG0	3003.488	-0.10586	0.074955	-1.41226	0.157872	0.596629	Slc27a4
ENSMUSG0ENSMUSG0	4292.36	0.11593	0.099975	1.159598	0.246213	0.69389	Tonsl
ENSMUSG0ENSMUSG0	1161.293	0.153272	0.133351	1.149386	0.250397	0.697484	Hopx
ENSMUSG0ENSMUSG0	506.3986	-0.19285	0.109014	-1.769	0.076894	0.439999	Csf2ra
ENSMUSG0ENSMUSG0	60.59867	0.06212	0.132965	0.467188	0.640365	0.914222	Eda
ENSMUSG0ENSMUSG0	2392.526	0.079264	0.091632	0.865025	0.387025	0.792975	Wdr83os
ENSMUSG0ENSMUSG0	855.5734	0.096125	0.085633	1.122528	0.261638	0.705388	Fxn
ENSMUSG0ENSMUSG0	846.0376	-0.06306	0.127301	-0.49538	0.620331	0.907694	Maml1d1
ENSMUSG0ENSMUSG0	2504.865	0.056245	0.050037	1.124066	0.260985	0.70448	Ppp2r5d
ENSMUSG0ENSMUSG0	261.1862	-0.11469	0.113728	-1.00844	0.313245	0.746673	Fxyd2
ENSMUSG0ENSMUSG0	240.495	0.017934	0.109196	0.164238	0.869544	0.975011	Zfp933
ENSMUSG0ENSMUSG0	106.2915	-0.03024	0.114348	-0.26444	0.791442	0.954487	Olfir365
ENSMUSG0ENSMUSG0	1605.175	0.026078	0.094878	0.274863	0.783422	0.952711	Max
ENSMUSG0ENSMUSG0	489.5543	-0.10047	0.116783	-0.86028	0.389636	0.794806	Bcas3
ENSMUSG0ENSMUSG0	2035.604	0.455894	0.069989	6.51377	7.33E-11	1.63E-07	Hadhb
ENSMUSG0ENSMUSG0	235.2468	-0.03317	0.12852	-0.25806	0.796362	0.955634	Ptk2b
ENSMUSG0ENSMUSG0	68.16758	0.054588	0.142911	0.381969	0.702485	0.934077	Gm7331
ENSMUSG0ENSMUSG0	797.1077	-0.08652	0.125273	-0.69065	0.489782	0.851509	Mbtd1
ENSMUSG0ENSMUSG0	1021.425	-0.0819	0.088901	-0.92123	0.356928	0.775403	Zfp426
ENSMUSG0ENSMUSG0	101.8528	-0.27776	0.13607	-2.04133	0.041218	0.32991	B3gnt8
ENSMUSG0ENSMUSG0	528.3808	-0.11901	0.093939	-1.2669	0.205193	0.653023	2610301B2
ENSMUSG0ENSMUSG0	1551.456	-0.05533	0.094825	-0.58354	0.559527	0.883752	Kbtbd2
ENSMUSG0ENSMUSG0	3594.662	-0.07106	0.082582	-0.8605	0.389515	0.794806	Arhgef12
ENSMUSG0ENSMUSG0	1720.33	-0.06089	0.105097	-0.57936	0.562347	0.885011	Znhit1
ENSMUSG0ENSMUSG0	3749.293	0.202771	0.108048	1.876674	0.060563	0.396828	Uqcr10
ENSMUSG0ENSMUSG0	166.3739	-0.21183	0.119439	-1.77354	0.076139	0.438116	Tcea2
ENSMUSG0ENSMUSG0	2388.323	0.086727	0.06303	1.375969	0.168831	0.609423	Trp53

ENSMUSG0ENSMUSGC	203.0722	-0.10649	0.101635	-1.0478	0.29473	0.733828	Ccdc28a
ENSMUSG0ENSMUSGC	1273.885	0.1147	0.07861	1.459112	0.144534	0.574285	Nsmce2
ENSMUSG0ENSMUSGC	41.8045	0.545693	0.140504	3.883827	0.000103	0.00828	Gm10069
ENSMUSG0ENSMUSGC	451.8789	-0.06338	0.104194	-0.60827	0.543007	0.875214	Taf1b
ENSMUSG0ENSMUSGC	600.1648	-0.0775	0.105706	-0.73316	0.463464	0.835259	Cdh24
ENSMUSG0ENSMUSGC	589.5947	-0.09357	0.104271	-0.89737	0.369521	0.784801	Zfp637
ENSMUSG0ENSMUSGC	166.7987	-0.17371	0.125378	-1.38547	0.165909	0.605102	Akap17b
ENSMUSG0ENSMUSGC	10245.35	-0.03452	0.102528	-0.33668	0.736356	0.939196	Rcan3
ENSMUSG0ENSMUSGC	1207.823	0.044148	0.113448	0.389146	0.697168	0.933418	Flot1
ENSMUSG0ENSMUSGC	242.8628	-0.11937	0.093205	-1.28074	0.200285	0.647763	Olfr1385
ENSMUSG0ENSMUSGC	2282.281	0.143641	0.106519	1.348497	0.177499	0.620338	Ndufs8
ENSMUSG0ENSMUSGC	217.5636	0.022096	0.116916	0.18899	0.8501	0.969399	Kcnh7
ENSMUSG0ENSMUSGC	6300.976	0.4731	0.107893	4.384904	1.16E-05	0.001616	Fdps
ENSMUSG0ENSMUSGC	40.5003	0.042101	0.141907	0.296679	0.766711	0.94842	Olfr767
ENSMUSG0ENSMUSGC	509.6964	-0.10235	0.101432	-1.00903	0.312959	0.746673	Slx1b
ENSMUSG0ENSMUSGC	1180.61	-0.56939	0.089854	-6.33681	2.35E-10	3.92E-07	Nrm
ENSMUSG0ENSMUSGC	16727.56	0.067345	0.090694	0.742554	0.457752	0.831647	Eif4a1
ENSMUSG0ENSMUSGC	3977.77	0.132118	0.091369	1.445981	0.148182	0.580458	Rgs3
ENSMUSG0ENSMUSGC	1474.15	-0.23398	0.091815	-2.54835	0.010823	0.16129	Atl2
ENSMUSG0ENSMUSGC	743.9523	-0.21253	0.072483	-2.93209	0.003367	0.081304	AU019823
ENSMUSG0ENSMUSGC	749.9275	-0.09659	0.117958	-0.81886	0.412864	0.806599	Dbp
ENSMUSG0ENSMUSGC	690.0708	-0.07719	0.081346	-0.94889	0.342678	0.765528	Sc1t1
ENSMUSG0ENSMUSGC	89.35598	0.030683	0.134114	0.228786	0.819035	0.960094	Zfp874b
ENSMUSG0ENSMUSGC	163.6181	-0.02699	0.101289	-0.2665	0.789853	0.954487	Zfp341
ENSMUSG0ENSMUSGC	1500.09	-0.03924	0.079395	-0.49426	0.621123	0.907988	Kmt5c
ENSMUSG0ENSMUSGC	270.5414	-0.1802	0.113953	-1.58136	0.113796	0.520151	Tnip2
ENSMUSG0ENSMUSGC	1254.45	0.000633	0.07499	0.008446	0.993261	0.998539	Zfp422
ENSMUSG0ENSMUSGC	69.81373	-0.02218	0.137393	-0.16141	0.871769	0.975692	Irak4
ENSMUSG0ENSMUSGC	2494.331	-0.00064	0.094663	-0.00673	0.994631	0.998655	Ube4a
ENSMUSG0ENSMUSGC	1588.018	-0.40415	0.081522	-4.95755	7.14E-07	0.000224	Ptp4a3
ENSMUSG0ENSMUSGC	494.8447	0.068177	0.113274	0.601876	0.547257	0.876712	Zfp930
ENSMUSG0ENSMUSGC	1781.763	0.121361	0.113405	1.070161	0.284547	0.725451	4930453N2
ENSMUSG0ENSMUSGC	859.628	0.111996	0.143103	0.782628	0.433845	0.817251	Unc5c
ENSMUSG0ENSMUSGC	2797.802	0.119085	0.097245	1.224593	0.220729	0.671412	Grb2
ENSMUSG0ENSMUSGC	960.5451	-0.00926	0.067746	-0.13663	0.891321	0.979424	9430015G1
ENSMUSG0ENSMUSGC	547.8915	0.082778	0.109058	0.75903	0.447835	0.824078	Hspa2
ENSMUSG0ENSMUSGC	276.4687	0.069592	0.145323	0.478875	0.632027	0.911472	Ntm
ENSMUSG0ENSMUSGC	429.986	-0.07616	0.090202	-0.84431	0.398497	0.798847	Zfp74
ENSMUSG0ENSMUSGC	5105.472	-0.03921	0.072856	-0.53823	0.590421	0.895584	Taok2
ENSMUSG0ENSMUSGC	375.6326	-0.03458	0.124232	-0.27837	0.780727	0.95154	Nptx2
ENSMUSG0ENSMUSGC	2119.631	0.025102	0.062198	0.403579	0.686523	0.931173	Atxn7l3
ENSMUSG0ENSMUSGC	581.0698	0.142567	0.08492	1.678831	0.093185	0.478749	Chpt1
ENSMUSG0ENSMUSGC	627.9977	0.227572	0.143852	1.581986	0.113653	0.519739	Kif13b
ENSMUSG0ENSMUSGC	998.8264	-0.05541	0.142096	-0.38996	0.696563	0.933418	H2afj
ENSMUSG0ENSMUSGC	18174.36	0.144484	0.087492	1.651402	0.098657	0.490529	Rpl3
ENSMUSG0ENSMUSGC	1225.964	0.031155	0.107659	0.28939	0.772283	0.94946	Dhps
ENSMUSG0ENSMUSGC	156.0607	-0.05619	0.142136	-0.39534	0.692594	0.932146	Alox5ap
ENSMUSG0ENSMUSGC	4788.915	0.156125	0.104868	1.488776	0.136546	0.563112	Psma3
ENSMUSG0ENSMUSGC	929.8126	0.060725	0.121466	0.499935	0.617121	0.906988	Rp2
ENSMUSG0ENSMUSGC	958.6939	0.110407	0.100656	1.096874	0.272696	0.715515	Prmt7
ENSMUSG0ENSMUSGC	604.2279	0.063205	0.079834	0.791697	0.428537	0.815297	Gemin2
ENSMUSG0ENSMUSGC	38056.92	0.105921	0.118357	0.894931	0.370824	0.785483	Tpt1

ENSMUSG0ENSMUSG0	5037.776	0.11895	0.089774	1.325005	0.18517	0.631891	Serpinb6a
ENSMUSG0ENSMUSG0	257.1554	-0.00585	0.100977	-0.05792	0.953813	0.992357	BC002059
ENSMUSG0ENSMUSG0	2610.538	-0.20637	0.118076	-1.7478	0.080498	0.44834	Pop5
ENSMUSG0ENSMUSG0	1195.146	0.071805	0.075475	0.951372	0.341415	0.763927	Zdhhc8
ENSMUSG0ENSMUSG0	57.48359	0.364497	0.143331	2.543054	0.010989	0.162666	Kif27
ENSMUSG0ENSMUSG0	785.4897	-0.06216	0.10485	-0.59287	0.553266	0.880942	Slc35e3
ENSMUSG0ENSMUSG0	45.6792	0.061076	0.145958	0.418448	0.67562	0.927604	Gm5868
ENSMUSG0ENSMUSG0	1285.611	-0.04256	0.128434	-0.33141	0.740332	0.940232	Zfp462
ENSMUSG0ENSMUSG0	250.2658	0.036961	0.114033	0.324123	0.745845	0.941322	Pcnx2
ENSMUSG0ENSMUSG0	1734.438	0.002115	0.084373	0.025071	0.979998	0.996602	Arrb2
ENSMUSG0ENSMUSG0	3685.139	0.095089	0.094709	1.004009	0.315374	0.748244	Casc4
ENSMUSG0ENSMUSG0	101.6122	-0.28817	0.138253	-2.08439	0.037125	0.312443	Alyref2
ENSMUSG0ENSMUSG0	42.60656	-0.40207	0.145859	-2.75654	0.005842	0.114003	Scrt2
ENSMUSG0ENSMUSG0	116.8983	-0.0214	0.143783	-0.14884	0.881679	0.97678	Pwwp2b
ENSMUSG0ENSMUSG0	5743.114	0.086627	0.065808	1.316353	0.188055	0.635585	Gtf2i
ENSMUSG0ENSMUSG0	6825.274	0.268181	0.080403	3.335452	0.000852	0.03358	Ap2a1
ENSMUSG0ENSMUSG0	1018.371	0.23128	0.110085	2.100929	0.035647	0.305055	Ppih
ENSMUSG0ENSMUSG0	357.6657	-0.02279	0.114133	-0.19968	0.841728	0.966812	2610008E1
ENSMUSG0ENSMUSG0	771.8713	-0.07362	0.104091	-0.7073	0.479381	0.845256	Zfp941
ENSMUSG0ENSMUSG0	50.42789	0.194818	0.138556	1.406061	0.159706	0.597813	Zfp937
ENSMUSG0ENSMUSG0	7658.463	0.032144	0.068429	0.469748	0.638535	0.913202	Hnrnpc
ENSMUSG0ENSMUSG0	1215.249	-0.07406	0.090129	-0.82168	0.411262	0.804763	Bckdha
ENSMUSG0ENSMUSG0	155.026	-0.18913	0.118362	-1.59789	0.110067	0.513529	C030014123
ENSMUSG0ENSMUSG0	159.0914	-0.06551	0.106707	-0.61391	0.539272	0.873794	Zfp128
ENSMUSG0ENSMUSG0	1124.088	-0.06959	0.087223	-0.79779	0.424991	0.814227	Chst8
ENSMUSG0ENSMUSG0	4584.938	0.082653	0.106448	0.776468	0.437473	0.819028	Rps16-ps2
ENSMUSG0ENSMUSG0	704.711	-0.04763	0.093602	-0.50884	0.610867	0.904473	Zfp868
ENSMUSG0ENSMUSG0	195.563	0.011996	0.143652	0.083504	0.933451	0.986608	Trim5
ENSMUSG0ENSMUSG0	7170.25	0.198718	0.061792	3.215946	0.0013	0.043018	Rnf14
ENSMUSG0ENSMUSG0	50.41351	-0.09871	0.141858	-0.69587	0.486512	0.849426	Adgrg3
ENSMUSG0ENSMUSG0	3082.763	0.113252	0.057358	1.974484	0.048327	0.354755	Wtap
ENSMUSG0ENSMUSG0	72.70209	-0.14653	0.142313	-1.0296	0.303197	0.739759	Irak2
ENSMUSG0ENSMUSG0	1351.565	0.116668	0.09633	1.211122	0.225849	0.675374	Zfp266
ENSMUSG0ENSMUSG0	3871.155	-0.04224	0.085278	-0.4953	0.620386	0.907694	0610040J01
ENSMUSG0ENSMUSG0	1838.714	0.226986	0.099768	2.275134	0.022898	0.241195	Tor3a
ENSMUSG0ENSMUSG0	922.7682	-0.02373	0.107841	-0.22005	0.825831	0.962521	Tmem219
ENSMUSG0ENSMUSG0	1395.963	-0.09441	0.145816	-0.64743	0.517352	0.86381	H2-Q7
ENSMUSG0ENSMUSG0	203.7934	-0.42283	0.138432	-3.05443	0.002255	0.062147	Fam78b
ENSMUSG0ENSMUSG0	84.29699	0.011509	0.141409	0.081389	0.935133	0.986686	Fhit
ENSMUSG0ENSMUSG0	2094.384	0.106209	0.112519	0.943926	0.345207	0.766637	Ifitm2
ENSMUSG0ENSMUSG0	445.7566	-0.18632	0.099029	-1.88144	0.059912	0.3947	Eno3
ENSMUSG0ENSMUSG0	1607.454	-0.04613	0.091665	-0.50322	0.614811	0.9059	Nr1h2
ENSMUSG0ENSMUSG0	59.22149	-0.38876	0.143472	-2.70967	0.006735	0.123494	Ang4
ENSMUSG0ENSMUSG0	7684.533	0.14098	0.110283	1.278354	0.201124	0.648578	Rpl35a
ENSMUSG0ENSMUSG0	508.6808	0.160305	0.123952	1.293287	0.195912	0.642065	Hist1h4i
ENSMUSG0ENSMUSG0	1850.43	-0.02609	0.102262	-0.25514	0.798617	0.956402	Marf1
ENSMUSG0ENSMUSG0	903.0663	0.189744	0.111189	1.706498	0.087915	0.467077	Atp8b2
ENSMUSG0ENSMUSG0	39.2827	-0.03135	0.145414	-0.21558	0.829316	0.963218	Pla2g16
ENSMUSG0ENSMUSG0	1011.252	0.035155	0.089414	0.393169	0.694195	0.9325	Mrps9
ENSMUSG0ENSMUSG0	879.2233	0.18116	0.099384	1.822835	0.068328	0.419929	Slc9a6
ENSMUSG0ENSMUSG0	229.523	0.159517	0.126257	1.263432	0.206434	0.653887	Bloc1s4
ENSMUSG0ENSMUSG0	592.8437	-0.18001	0.108964	-1.65202	0.098531	0.490347	Plekhh1

ENSMUSG0ENSMUSGC	1981.272	-0.36697	0.087576	-4.1903	2.79E-05	0.003129	lpmk
ENSMUSG0ENSMUSGC	3295.297	0.104792	0.086564	1.21058	0.226056	0.675759	Nsa2
ENSMUSG0ENSMUSGC	16528.35	-0.12833	0.066078	-1.94209	0.052127	0.36984	H3f3a
ENSMUSG0ENSMUSGC	89.84549	-0.34799	0.125719	-2.76804	0.00564	0.112011	Tsga10
ENSMUSG0ENSMUSGC	60.25295	0.052987	0.146	0.362925	0.716661	0.93588	Gmfg
ENSMUSG0ENSMUSGC	528.1538	-0.09399	0.093671	-1.0034	0.31567	0.748548	Intu
ENSMUSG0ENSMUSGC	2573.33	-0.1136	0.138369	-0.82103	0.411631	0.805014	B2m
ENSMUSG0ENSMUSGC	3342.346	0.153101	0.135445	1.130356	0.258326	0.702822	Gstp1
ENSMUSG0ENSMUSGC	15516.5	0.147862	0.090657	1.631006	0.102889	0.499389	Ube2s
ENSMUSG0ENSMUSGC	966.5387	-0.00039	0.107191	-0.00367	0.997074	0.998971	Zbtb40
ENSMUSG0ENSMUSGC	294.2434	-0.21949	0.119068	-1.84341	0.065269	0.411796	Kcnd2
ENSMUSG0ENSMUSGC	7579.631	0.085735	0.053984	1.588146	0.112253	0.518304	Arl1
ENSMUSG0ENSMUSGC	317.0575	0.206638	0.117218	1.762858	0.077925	0.442349	Acyp2
ENSMUSG0ENSMUSGC	2197.398	0.134732	0.075232	1.790896	0.07331	0.431177	Tmem263
ENSMUSG0ENSMUSGC	10081.77	0.106098	0.105244	1.008113	0.3134	0.746875	Rpl26
ENSMUSG0ENSMUSGC	328.3407	0.008802	0.091759	0.09593	0.923576	0.985705	Trmt61a
ENSMUSG0ENSMUSGC	53.05852	-0.24508	0.145851	-1.68032	0.092896	0.477855	Irx1
ENSMUSG0ENSMUSGC	98.64306	0.126473	0.145297	0.87044	0.38406	0.791022	Hist1h4h
ENSMUSG0ENSMUSGC	112.6632	-0.31799	0.129404	-2.45732	0.013998	0.185007	Galnt13
ENSMUSG0ENSMUSGC	6035.108	0.135252	0.079713	1.696738	0.089746	0.472299	Copz1
ENSMUSG0ENSMUSGC	591.7173	-0.02238	0.09258	-0.24178	0.808951	0.958353	Mkx
ENSMUSG0ENSMUSGC	879.8024	0.099429	0.067935	1.46359	0.143306	0.572261	Rrs1
ENSMUSG0ENSMUSGC	1072.769	-0.03468	0.09973	-0.34775	0.728027	0.938587	Clasrp
ENSMUSG0ENSMUSGC	6775.633	0.014563	0.066852	0.217841	0.827553	0.962789	Rrp1
ENSMUSG0ENSMUSGC	664.6724	0.048455	0.14571	0.332542	0.73948	0.940232	Haghl
ENSMUSG0ENSMUSGC	102.2823	0.105198	0.125343	0.83928	0.401312	0.79975	Cdh3
ENSMUSG0ENSMUSGC	505.6474	-0.08139	0.110938	-0.73363	0.463173	0.835155	Zfp143
ENSMUSG0ENSMUSGC	174.8243	-0.33175	0.132756	-2.49892	0.012457	0.172754	Lsamp
ENSMUSG0ENSMUSGC	3248.692	0.12203	0.077192	1.580865	0.113909	0.520198	Sap18b
ENSMUSG0ENSMUSGC	2748.607	0.006725	0.120518	0.055803	0.955499	0.992685	Mcrip1
ENSMUSG0ENSMUSGC	562.8916	0.144098	0.101728	1.4165	0.156629	0.595338	Dnajc30
ENSMUSG0ENSMUSGC	532.9152	0.065037	0.111364	0.583998	0.559222	0.883648	Prcp
ENSMUSG0ENSMUSGC	4964.184	0.072511	0.055773	1.300109	0.193564	0.639447	Ppm1b
ENSMUSG0ENSMUSGC	4179.262	0.095232	0.11025	0.863785	0.387706	0.793552	Blnk
ENSMUSG0ENSMUSGC	2956.339	0.114579	0.075134	1.524993	0.127261	0.545923	Prpf40a
ENSMUSG0ENSMUSGC	1026.007	-0.09543	0.099566	-0.95842	0.337853	0.760668	Maml3
ENSMUSG0ENSMUSGC	6054.041	0.10744	0.104449	1.028641	0.303648	0.739759	Rpl15-ps3
ENSMUSG0ENSMUSGC	850.3094	0.04772	0.134176	0.355656	0.722098	0.937571	Fnip2
ENSMUSG0ENSMUSGC	935.4796	0.028002	0.092449	0.302886	0.761976	0.946505	Stk19
ENSMUSG0ENSMUSGC	13337.49	-0.02233	0.141083	-0.15831	0.874213	0.97593	H2-K1
ENSMUSG0ENSMUSGC	2178.229	0.160589	0.108389	1.481598	0.138447	0.56631	Exoc5
ENSMUSG0ENSMUSGC	3368.707	0.063004	0.075418	0.835398	0.403494	0.800157	Mmgt1
ENSMUSG0ENSMUSGC	1040.445	-0.06409	0.099914	-0.6415	0.521199	0.865988	Exosc5
ENSMUSG0ENSMUSGC	1121.891	-0.01578	0.077616	-0.20336	0.838851	0.965716	Taok3
ENSMUSG0ENSMUSGC	159.7975	0.154373	0.144619	1.067447	0.28577	0.726542	Agbl4
ENSMUSG0ENSMUSGC	6285.192	-0.08624	0.073462	-1.17398	0.240401	0.68851	Slc38a10
ENSMUSG0ENSMUSGC	821.3379	0.038673	0.092756	0.41693	0.676729	0.927788	Ddhd2
ENSMUSG0ENSMUSGC	10893.88	0.225988	0.09553	2.365639	0.017999	0.210492	Naca
ENSMUSG0ENSMUSGC	178.2165	-0.13249	0.106334	-1.24593	0.212789	0.662162	Dnaic1
ENSMUSG0ENSMUSGC	183.1354	0.017356	0.135724	0.127878	0.898245	0.981031	Gm17132
ENSMUSG0ENSMUSGC	291.3055	-0.04346	0.14301	-0.30392	0.761185	0.946226	Cxcl12
ENSMUSG0ENSMUSGC	2497.856	0.14546	0.091813	1.584305	0.113124	0.518563	Phf5a

ENSMUSG0ENSMUSG0	187.7974	-0.00928	0.097471	-0.09523	0.92413	0.985705	Zfp873
ENSMUSG0ENSMUSG0	1063.068	0.040052	0.072162	0.555034	0.578871	0.892339	Fiz1
ENSMUSG0ENSMUSG0	61.52699	-0.28123	0.138658	-2.02825	0.042535	0.333069	Acvr2b
ENSMUSG0ENSMUSG0	1794.266	-0.0557	0.108181	-0.51484	0.606666	0.902972	Zcchc14
ENSMUSG0ENSMUSG0	228.06	-0.16548	0.14148	-1.16967	0.242135	0.689522	Nol4l
ENSMUSG0ENSMUSG0	201.1638	0.031807	0.125738	0.252962	0.800298	0.956574	Hipk2
ENSMUSG0ENSMUSG0	700.0193	-0.00672	0.127138	-0.05288	0.957824	0.993017	Tmem151a
ENSMUSG0ENSMUSG0	822.0379	0.14982	0.093758	1.597942	0.110056	0.513529	Stx17
ENSMUSG0ENSMUSG0	676.593	0.043211	0.07733	0.55879	0.576305	0.890536	Nol10
ENSMUSG0ENSMUSG0	2688.94	-0.00818	0.108942	-0.07513	0.940113	0.988086	Smim20
ENSMUSG0ENSMUSG0	1776.902	0.208435	0.106351	1.959873	0.050011	0.361347	Mrps36
ENSMUSG0ENSMUSG0	9802.054	0.115754	0.090297	1.281917	0.199872	0.647054	Rps7
ENSMUSG0ENSMUSG0	2887.323	0.121255	0.09845	1.231643	0.218083	0.668743	Snrpa
ENSMUSG0ENSMUSG0	84.47496	-0.01584	0.136399	-0.11613	0.907547	0.982338	Gm10101
ENSMUSG0ENSMUSG0	6725.048	0.151984	0.105401	1.441961	0.149313	0.58254	Cox5b
ENSMUSG0ENSMUSG0	655.198	0.308626	0.112701	2.738454	0.006173	0.11704	Cep128
ENSMUSG0ENSMUSG0	1211.949	0.058674	0.097715	0.600459	0.5482	0.877475	Sec22c
ENSMUSG0ENSMUSG0	207.5127	0.103115	0.116244	0.887059	0.375047	0.787458	Zfp229
ENSMUSG0ENSMUSG0	1619.206	0.003522	0.077924	0.045204	0.963944	0.99437	Wdr61
ENSMUSG0ENSMUSG0	1665.356	0.24618	0.138115	1.78243	0.074679	0.43416	Dpp6
ENSMUSG0ENSMUSG0	466.7547	-0.02775	0.112123	-0.24753	0.804498	0.957462	Ksr2
ENSMUSG0ENSMUSG0	3125.666	0.063448	0.092793	0.683759	0.494127	0.852929	Dot1l
ENSMUSG0ENSMUSG0	3164.557	-0.02138	0.111074	-0.19247	0.847376	0.96844	Pclo
ENSMUSG0ENSMUSG0	65.4975	-0.21234	0.145041	-1.46404	0.143184	0.572261	Akap6
ENSMUSG0ENSMUSG0	4140.078	0.039553	0.108434	0.364763	0.715288	0.935647	Mdc1
ENSMUSG0ENSMUSG0	2734.934	0.060137	0.099918	0.601864	0.547264	0.876712	U2af1
ENSMUSG0ENSMUSG0	1176.752	-0.14742	0.104288	-1.41358	0.157484	0.596614	Med9
ENSMUSG0ENSMUSG0	147.2657	0.181316	0.117236	1.546585	0.121963	0.535046	Spry3
ENSMUSG0ENSMUSG0	2454.926	-0.17755	0.099042	-1.79264	0.073031	0.431177	Cd2ap
ENSMUSG0ENSMUSG0	795.9292	-0.08242	0.136079	-0.60566	0.544738	0.875467	Gdpd1
ENSMUSG0ENSMUSG0	308.7114	-0.25966	0.141222	-1.83864	0.065968	0.413509	Dlgap4
ENSMUSG0ENSMUSG0	66.88631	-0.44839	0.145488	-3.08194	0.002057	0.057874	Tmem91
ENSMUSG0ENSMUSG0	44.24863	-0.27062	0.141387	-1.91402	0.055618	0.381254	Ppp1r1b
ENSMUSG0ENSMUSG0	1084.103	-0.11154	0.074277	-1.5017	0.133174	0.555792	Ext1
ENSMUSG0ENSMUSG0	332.085	0.111444	0.088634	1.25736	0.208623	0.656691	Cyp2d22
ENSMUSG0ENSMUSG0	265.3095	-0.02015	0.129836	-0.15521	0.876659	0.976116	Kalrn
ENSMUSG0ENSMUSG0	1327.215	-0.11306	0.096929	-1.16637	0.243467	0.690813	Bod1l
ENSMUSG0ENSMUSG0	352.8251	0.171866	0.099969	1.719181	0.085581	0.461221	Akr1b10
ENSMUSG0ENSMUSG0	741.7885	0.074052	0.11932	0.620618	0.534851	0.87213	Armt1
ENSMUSG0ENSMUSG0	793.6868	0.01899	0.130421	0.145606	0.884232	0.977467	Mospd2
ENSMUSG0ENSMUSG0	8830.003	0.131368	0.103564	1.268469	0.204631	0.652815	Rps17
ENSMUSG0ENSMUSG0	31443.87	-0.33873	0.130623	-2.59323	0.009508	0.149334	Ttr
ENSMUSG0ENSMUSG0	500.3479	-0.0341	0.140431	-0.24281	0.808152	0.958353	Suclg2
ENSMUSG0ENSMUSG0	1675.378	0.07156	0.081588	0.877087	0.38044	0.79028	Patj
ENSMUSG0ENSMUSG0	110.6076	-0.06105	0.10922	-0.55897	0.576185	0.890536	Sphk1
ENSMUSG0ENSMUSG0	241.8414	0.055694	0.14308	0.389253	0.697089	0.933418	Ccdc62
ENSMUSG0ENSMUSG0	1994.065	-0.01983	0.06914	-0.2868	0.774268	0.949821	Ssbp3
ENSMUSG0ENSMUSG0	153.2212	0.052474	0.123008	0.426592	0.669676	0.925331	Zscan20
ENSMUSG0ENSMUSG0	324.0276	-0.18316	0.102852	-1.78078	0.074948	0.434822	Rbak
ENSMUSG0ENSMUSG0	20479.36	0.186816	0.07241	2.579972	0.009881	0.152128	Slc25a3
ENSMUSG0ENSMUSG0	1605.109	0.097161	0.10921	0.889675	0.37364	0.787458	Myt1l
ENSMUSG0ENSMUSG0	1918.277	0.050584	0.083503	0.605779	0.544661	0.875467	Ppp4r1

ENSMUSG0ENSMUSGC	561.5989	0.110687	0.117761	0.939929	0.347254	0.768756	Rcc1l
ENSMUSG0ENSMUSGC	3565.89	0.23702	0.086581	2.737565	0.00619	0.11719	Flot2
ENSMUSG0ENSMUSGC	1288.194	-0.00486	0.145994	-0.03332	0.973419	0.995862	Rps12
ENSMUSG0ENSMUSGC	6104.609	0.074199	0.110414	0.672009	0.501578	0.856225	Rpl34
ENSMUSG0ENSMUSGC	453.0722	0.094071	0.080569	1.167587	0.242973	0.689997	Zfp13
ENSMUSG0ENSMUSGC	4134.215	0.092738	0.065766	1.410105	0.158509	0.59683	Gmfb
ENSMUSG0ENSMUSGC	1034.068	0.050245	0.081982	0.612878	0.539957	0.873794	Pgghg
ENSMUSG0ENSMUSGC	131.9569	-0.02768	0.075316	-0.36749	0.713256	0.935647	Gm10108
ENSMUSG0ENSMUSGC	443.6651	0.08083	0.107796	0.749839	0.453352	0.827976	Zfp27
ENSMUSG0ENSMUSGC	1298.24	-0.07154	0.12608	-0.56738	0.570456	0.888936	Lmtk3
ENSMUSG0ENSMUSGC	830.5505	-0.08446	0.122374	-0.6902	0.490066	0.851509	Iah1
ENSMUSG0ENSMUSGC	44075.02	-0.02181	0.141464	-0.15417	0.877472	0.976224	Pgk1
ENSMUSG0ENSMUSGC	1583.295	-0.02404	0.062999	-0.38157	0.70278	0.934077	Lmnbp2
ENSMUSG0ENSMUSGC	841.0297	-0.06158	0.136279	-0.45186	0.651367	0.919217	Qk
ENSMUSG0ENSMUSGC	751.2922	0.002977	0.114674	0.02596	0.979289	0.996602	Btbd3
ENSMUSG0ENSMUSGC	227.7596	-0.17917	0.103211	-1.736	0.082565	0.454149	Zfp119b
ENSMUSG0ENSMUSGC	648.2922	0.04001	0.100527	0.397996	0.690633	0.931679	Scfd2
ENSMUSG0ENSMUSGC	2097.637	-0.08669	0.088081	-0.98426	0.324987	0.754224	Rai1
ENSMUSG0ENSMUSGC	497.1769	0.073936	0.114298	0.64687	0.517716	0.863952	Zfp954
ENSMUSG0ENSMUSGC	37.57903	0.092941	0.144264	0.64424	0.51942	0.86478	Olf149
ENSMUSG0ENSMUSGC	323.0406	0.049515	0.097622	0.507214	0.612005	0.904589	Cttnbp2nl
ENSMUSG0ENSMUSGC	63.43323	0.026904	0.128045	0.21011	0.833582	0.964464	Unc13c
ENSMUSG0ENSMUSGC	1379.31	0.151485	0.106708	1.419628	0.155716	0.594364	Cnih4
ENSMUSG0ENSMUSGC	1342.722	0.046441	0.10627	0.437011	0.662103	0.924317	Lancl2
ENSMUSG0ENSMUSGC	429.3493	0.06294	0.122259	0.514808	0.606687	0.902972	2700097OC
ENSMUSG0ENSMUSGC	1024.501	-0.0849	0.083235	-1.02003	0.307715	0.743099	Btbd9
ENSMUSG0ENSMUSGC	4282.592	0.191846	0.086259	2.224056	0.026145	0.258488	Gspt1
ENSMUSG0ENSMUSGC	579.2678	0.004636	0.082782	0.056004	0.955338	0.992624	Tnfaip8
ENSMUSG0ENSMUSGC	1007.326	-0.01648	0.090009	-0.18315	0.854682	0.970614	Rapgef2
ENSMUSG0ENSMUSGC	5166.842	0.059154	0.083761	0.706217	0.480053	0.846202	Gak
ENSMUSG0ENSMUSGC	1942.591	0.03757	0.110452	0.340149	0.733745	0.938791	Cks2
ENSMUSG0ENSMUSGC	358.3037	0.132022	0.11297	1.168646	0.242546	0.689768	Lhfp15
ENSMUSG0ENSMUSGC	14743.53	0.119242	0.069848	1.707167	0.087791	0.466923	Morf4l1
ENSMUSG0ENSMUSGC	649.4953	-0.28443	0.103289	-2.75368	0.005893	0.114003	Nectin2
ENSMUSG0ENSMUSGC	714.1239	0.309619	0.109961	2.815713	0.004867	0.10213	Rpp25
ENSMUSG0ENSMUSGC	11406.43	0.110168	0.106162	1.037733	0.299394	0.737987	Rpl17
ENSMUSG0ENSMUSGC	824.6631	0.18939	0.098274	1.927163	0.053959	0.37568	Itgb1bp1
ENSMUSG0ENSMUSGC	5657.641	0.088119	0.121917	0.722779	0.469816	0.839788	Tmem65
ENSMUSG0ENSMUSGC	575.3105	-0.02254	0.092348	-0.24405	0.807193	0.958353	Borcs7
ENSMUSG0ENSMUSGC	4751.282	0.245068	0.097856	2.504381	0.012267	0.171688	Tubb3
ENSMUSG0ENSMUSGC	5373.252	-0.01291	0.083059	-0.15541	0.876498	0.976102	Zfp706
ENSMUSG0ENSMUSGC	2512.165	0.422398	0.10433	4.048656	5.15E-05	0.005101	Arf2
ENSMUSG0ENSMUSGC	4756.857	0.065091	0.106341	0.612095	0.540475	0.873794	Ap3b2
ENSMUSG0ENSMUSGC	124.2957	-0.12123	0.121334	-0.99917	0.317714	0.750019	Fbxl12os
ENSMUSG0ENSMUSGC	74.77151	-0.15832	0.145178	-1.09049	0.275496	0.717008	Acat3
ENSMUSG0ENSMUSGC	459.0163	0.031002	0.090683	0.341875	0.732445	0.938791	Nsl1
ENSMUSG0ENSMUSGC	769.2714	0.032769	0.07571	0.432819	0.665147	0.925058	Zfp398
ENSMUSG0ENSMUSGC	196.3475	-0.15205	0.100314	-1.51574	0.129586	0.549048	Mppe1
ENSMUSG0ENSMUSGC	1254.125	-0.00024	0.09606	-0.00252	0.997991	0.998981	Syt9
ENSMUSG0ENSMUSGC	49.3351	-0.07615	0.145922	-0.52188	0.601753	0.899471	Tlr12
ENSMUSG0ENSMUSGC	54.81571	0.011088	0.145593	0.076157	0.939294	0.987897	Olf1709-ps1
ENSMUSG0ENSMUSGC	160.7727	-0.02015	0.117313	-0.17175	0.863631	0.973533	Gm12751

ENSMUSG0ENSMUSG0	2360.924	0.156514	0.087748	1.783677	0.074476	0.433401	Timm17a
ENSMUSG0ENSMUSG0	870.4609	0.096162	0.07754	1.24015	0.21492	0.665774	Armc9
ENSMUSG0ENSMUSG0	101.4558	0.023231	0.144495	0.160775	0.87227	0.975692	Tubb4a
ENSMUSG0ENSMUSG0	4228.823	0.102629	0.113333	0.905556	0.365171	0.782125	SrpK2
ENSMUSG0ENSMUSG0	935.7683	0.092242	0.108892	0.84709	0.396945	0.797477	2310039H0
ENSMUSG0ENSMUSG0	981.8719	-0.00425	0.095659	-0.04442	0.964573	0.994711	Mysm1
ENSMUSG0ENSMUSG0	357.0135	-0.19308	0.130013	-1.48511	0.137515	0.564547	Ganc
ENSMUSG0ENSMUSG0	20087.38	0.123437	0.087651	1.408281	0.159048	0.59683	Rpl7a
ENSMUSG0ENSMUSG0	544.7061	-0.05166	0.130186	-0.39684	0.691485	0.931679	Atp5g2
ENSMUSG0ENSMUSG0	571.1264	0.117708	0.137546	0.855767	0.392127	0.79526	Cebpzos
ENSMUSG0ENSMUSG0	1123.455	0.131451	0.079104	1.661745	0.096564	0.486525	Ppox
ENSMUSG0ENSMUSG0	215.2611	-0.14532	0.118845	-1.22279	0.221409	0.671829	Zfp677
ENSMUSG0ENSMUSG0	1145.424	-0.02409	0.126296	-0.19072	0.848743	0.968843	Al413582
ENSMUSG0ENSMUSG0	2743.886	0.022064	0.081974	0.269153	0.787812	0.954125	1810041L1!
ENSMUSG0ENSMUSG0	1335.895	0.042793	0.104825	0.408228	0.683107	0.930324	Zfp512
ENSMUSG0ENSMUSG0	3799.457	-0.17454	0.066698	-2.61681	0.008876	0.143166	Ei24
ENSMUSG0ENSMUSG0	45.66762	-0.51947	0.141838	-3.66239	0.00025	0.015045	Tex101
ENSMUSG0ENSMUSG0	67.97524	-0.20687	0.143247	-1.44413	0.148703	0.581374	Csprs
ENSMUSG0ENSMUSG0	1380.092	-0.13231	0.12945	-1.02212	0.306724	0.743081	Kcnc3
ENSMUSG0ENSMUSG0	139.8942	-0.20627	0.112938	-1.82638	0.067792	0.41856	Zfp599
ENSMUSG0ENSMUSG0	992.3289	0.054462	0.125133	0.435233	0.663393	0.924638	Hikeshi
ENSMUSG0ENSMUSG0	1060.086	-0.11146	0.085148	-1.309	0.190533	0.638148	4833420G1
ENSMUSG0ENSMUSG0	57407.95	0.180701	0.119699	1.509626	0.131139	0.552279	Actg1
ENSMUSG0ENSMUSG0	47.62762	0.067369	0.142251	0.473589	0.635793	0.912525	Ces2f
ENSMUSG0ENSMUSG0	109.5933	-0.06515	0.118316	-0.55067	0.581861	0.892926	Tcp11
ENSMUSG0ENSMUSG0	332.9972	-0.07138	0.123355	-0.57864	0.562831	0.885086	Zfp28
ENSMUSG0ENSMUSG0	64.73215	-0.27309	0.14237	-1.91814	0.055093	0.379148	Phactr2
ENSMUSG0ENSMUSG0	6372.847	0.217953	0.069962	3.1153	0.001838	0.053631	Impdh2
ENSMUSG0ENSMUSG0	555.7137	-0.11971	0.128566	-0.93111	0.351797	0.773306	Klhl24
ENSMUSG0ENSMUSG0	488.4074	-0.04875	0.087217	-0.55898	0.576176	0.890536	Hdac10
ENSMUSG0ENSMUSG0	615.3883	0.197901	0.114022	1.735636	0.082628	0.454149	Acadm
ENSMUSG0ENSMUSG0	3337.104	0.341306	0.091117	3.745795	0.00018	0.012079	Cfl2
ENSMUSG0ENSMUSG0	612.5139	0.03402	0.074665	0.455642	0.648648	0.918471	Zfp938
ENSMUSG0ENSMUSG0	11676.2	0.136469	0.070369	1.939333	0.052461	0.371278	Gm10123
ENSMUSG0ENSMUSG0	1020.315	0.14518	0.060474	2.400693	0.016364	0.201417	Mtap
ENSMUSG0ENSMUSG0	576.1186	-0.21031	0.076462	-2.75045	0.005951	0.114461	9130023H2
ENSMUSG0ENSMUSG0	218.7096	-0.1803	0.12629	-1.42762	0.1534	0.589902	Atp11c
ENSMUSG0ENSMUSG0	3379.035	0.090103	0.099973	0.901265	0.367447	0.783695	Ufc1
ENSMUSG0ENSMUSG0	82.99706	-0.04582	0.109123	-0.41988	0.674576	0.927604	Cped1
ENSMUSG0ENSMUSG0	2365.045	0.252777	0.092848	2.722496	0.006479	0.120621	Mrpl42
ENSMUSG0ENSMUSG0	316.3326	-0.12748	0.108758	-1.17215	0.241136	0.689436	Nrg1
ENSMUSG0ENSMUSG0	2658.471	-0.06608	0.071711	-0.92145	0.356817	0.775287	Ica1
ENSMUSG0ENSMUSG0	5405.918	0.084078	0.116129	0.72401	0.46906	0.839347	Rpl35
ENSMUSG0ENSMUSG0	9223.514	-0.17297	0.069707	-2.4814	0.013087	0.178502	Ccni
ENSMUSG0ENSMUSG0	108.7443	0.167632	0.142467	1.176637	0.239341	0.688232	2010204K1
ENSMUSG0ENSMUSG0	816.9844	0.002701	0.093029	0.029032	0.976839	0.996317	Manbal
ENSMUSG0ENSMUSG0	422.7528	-0.09351	0.090766	-1.03021	0.302912	0.739759	Zfp780b
ENSMUSG0ENSMUSG0	1468.51	-0.04808	0.103275	-0.46559	0.64151	0.914411	Ing2
ENSMUSG0ENSMUSG0	1386.503	0.097274	0.085388	1.1392	0.25462	0.700349	Lrrc40
ENSMUSG0ENSMUSG0	480.8455	-0.02196	0.116099	-0.18916	0.849968	0.969399	Ctnna2
ENSMUSG0ENSMUSG0	5760.027	0.148447	0.094575	1.569621	0.116503	0.525937	Mapk3
ENSMUSG0ENSMUSG0	4585.018	0.022695	0.109876	0.206555	0.836357	0.965089	Kif1b

ENSMUSG0ENSMUSGC	40.66042	-0.11234	0.14387	-0.78085	0.434892	0.81783	Gm10125
ENSMUSG0ENSMUSGC	742.5583	0.099588	0.127842	0.778995	0.435983	0.818279	Zfp26
ENSMUSG0ENSMUSGC	322.5904	-0.03565	0.143147	-0.24903	0.803341	0.957127	Kcnma1
ENSMUSG0ENSMUSGC	288.4661	0.014064	0.09311	0.15105	0.879936	0.97663	Bbs5
ENSMUSG0ENSMUSGC	676.3469	0.22084	0.077534	2.848275	0.004396	0.097119	Clip2
ENSMUSG0ENSMUSGC	1078.045	-0.06159	0.105042	-0.58633	0.557653	0.882863	Numbl
ENSMUSG0ENSMUSGC	469.0866	0.145146	0.142463	1.018836	0.308281	0.743099	Hspb11
ENSMUSG0ENSMUSGC	343.7997	0.095509	0.115385	0.827741	0.407817	0.802351	Pstk
ENSMUSG0ENSMUSGC	2864.504	0.076433	0.103873	0.735827	0.461836	0.833916	Nol7
ENSMUSG0ENSMUSGC	22465.54	-0.00103	0.081637	-0.01261	0.989936	0.998539	Ldha
ENSMUSG0ENSMUSGC	383.7345	0.154048	0.113012	1.363108	0.172848	0.614733	Ptpmt1
ENSMUSG0ENSMUSGC	493.898	-0.26907	0.102341	-2.62912	0.008561	0.140729	1110038F1
ENSMUSG0ENSMUSGC	6643.762	0.281447	0.093058	3.02441	0.002491	0.067001	Scoc
ENSMUSG0ENSMUSGC	717.5225	0.008437	0.115931	0.072772	0.941987	0.988658	Parp10
ENSMUSG0ENSMUSGC	3193.69	0.238775	0.102684	2.325329	0.020054	0.224136	Naa15
ENSMUSG0ENSMUSGC	441.6767	-0.04013	0.142124	-0.28234	0.777682	0.950382	Hacd1
ENSMUSG0ENSMUSGC	933.5996	0.037833	0.076546	0.494251	0.621129	0.907988	Zfp35
ENSMUSG0ENSMUSGC	273.6234	-0.0661	0.145784	-0.45342	0.650246	0.918867	Tmem117
ENSMUSG0ENSMUSGC	36.91826	0.015297	0.145192	0.105356	0.916093	0.984548	Luzp2
ENSMUSG0ENSMUSGC	1202.289	0.129518	0.116449	1.11223	0.266039	0.709244	Rpl27
ENSMUSG0ENSMUSGC	1807.84	0.08205	0.098347	0.834287	0.404119	0.800157	Usp31
ENSMUSG0ENSMUSGC	224.1606	-0.01229	0.1125	-0.10921	0.913039	0.983954	1190007107
ENSMUSG0ENSMUSGC	1330.287	-0.03896	0.073202	-0.53224	0.594562	0.896527	Krr1
ENSMUSG0ENSMUSGC	7517.356	0.122072	0.062947	1.939271	0.052468	0.371278	Mapk1
ENSMUSG0ENSMUSGC	980.0882	-0.03875	0.110321	-0.35126	0.725395	0.938024	Alg11
ENSMUSG0ENSMUSGC	386.9019	-0.03264	0.119403	-0.27336	0.784574	0.953021	Bcl9l
ENSMUSG0ENSMUSGC	217.0222	-0.11172	0.099716	-1.12036	0.262561	0.705745	Zfp947
ENSMUSG0ENSMUSGC	1321.248	0.164824	0.091656	1.798296	0.07213	0.429042	Tmed5
ENSMUSG0ENSMUSGC	1138.148	-0.1949	0.098114	-1.98646	0.046983	0.349224	Stk24
ENSMUSG0ENSMUSGC	1697.859	0.098428	0.104157	0.944999	0.344659	0.766383	Gm10131
ENSMUSG0ENSMUSGC	838.7005	-0.17647	0.108627	-1.62452	0.104266	0.501644	B9d2
ENSMUSG0ENSMUSGC	1893.089	0.055109	0.109875	0.50156	0.615977	0.906342	Nmral1
ENSMUSG0ENSMUSGC	225.5255	-0.48941	0.131303	-3.7273	0.000194	0.012682	Plppr1
ENSMUSG0ENSMUSGC	1371.095	-0.14568	0.101244	-1.43892	0.150173	0.583703	Syne2
ENSMUSG0ENSMUSGC	1253.885	0.10364	0.094489	1.096848	0.272708	0.715515	D630045J1
ENSMUSG0ENSMUSGC	12795.38	0.108879	0.105874	1.028384	0.303769	0.739759	Rps15
ENSMUSG0ENSMUSGC	4328.926	0.038524	0.080125	0.480795	0.630662	0.911457	Snu13
ENSMUSG0ENSMUSGC	365.8788	-0.13877	0.126392	-1.09795	0.272226	0.715515	Zkscan7
ENSMUSG0ENSMUSGC	6526.744	-0.03321	0.061006	-0.54442	0.586151	0.894128	Snrrnp70
ENSMUSG0ENSMUSGC	76387.94	0.022225	0.145964	0.152265	0.878978	0.976462	Eno1
ENSMUSG0ENSMUSGC	143.4808	-0.35156	0.1309	-2.68575	0.007237	0.12898	Sema3e
ENSMUSG0ENSMUSGC	141.2107	0.019	0.129398	0.146832	0.883264	0.976958	Zfp773
ENSMUSG0ENSMUSGC	2376.113	0.009205	0.095493	0.096391	0.92321	0.985705	Nup98
ENSMUSG0ENSMUSGC	578.4942	0.262326	0.094924	2.763543	0.005718	0.112894	Jazf1
ENSMUSG0ENSMUSGC	2657.84	0.137179	0.056789	2.415591	0.01571	0.19678	Klhdc3
ENSMUSG0ENSMUSGC	148.6852	0.016229	0.144128	0.112603	0.910345	0.983347	C230062116
ENSMUSG0ENSMUSGC	559.8108	-0.24965	0.145867	-1.7115	0.086989	0.464219	Sox11
ENSMUSG0ENSMUSGC	518.2142	0.186513	0.134557	1.386124	0.165709	0.605102	Jakmip1
ENSMUSG0ENSMUSGC	42.65143	-0.08182	0.135198	-0.60517	0.545067	0.875467	Slc22a21
ENSMUSG0ENSMUSGC	2205.58	0.038657	0.145192	0.266245	0.790051	0.954487	Zbtb18
ENSMUSG0ENSMUSGC	354.1621	-0.23846	0.114326	-2.08578	0.036998	0.312248	Brwd3
ENSMUSG0ENSMUSGC	151.2911	0.16683	0.123698	1.348687	0.177438	0.620338	Crb1

ENSMUSG0ENSMUSG0	64.02573	0.099096	0.088205	1.123467	0.261239	0.70474	Glyat
ENSMUSG0ENSMUSG0	4648.776	0.18431	0.079769	2.310556	0.020857	0.229277	Cyca
ENSMUSG0ENSMUSG0	170.87	0.07612	0.140905	0.540222	0.589044	0.894745	Sfxn4
ENSMUSG0ENSMUSG0	761.7538	0.072454	0.1457	0.497285	0.618988	0.907335	Mapk15
ENSMUSG0ENSMUSG0	151.7461	0.020272	0.14593	0.138918	0.889515	0.978618	Sp3os
ENSMUSG0ENSMUSG0	100.8568	-0.03244	0.127788	-0.25389	0.799583	0.956574	Hsd3b2
ENSMUSG0ENSMUSG0	691.186	-0.11786	0.139391	-0.84555	0.397804	0.798441	Rnf217
ENSMUSG0ENSMUSG0	59.55798	-0.12792	0.145971	-0.87632	0.380854	0.79028	Chadl
ENSMUSG0ENSMUSG0	801.9027	0.015297	0.086523	0.176801	0.859665	0.972503	Utp14a
ENSMUSG0ENSMUSG0	1396.95	0.17241	0.107385	1.605533	0.108377	0.510418	Chchd1
ENSMUSG0ENSMUSG0	1735.793	0.070471	0.090039	0.782674	0.433818	0.817251	Prpf38a
ENSMUSG0ENSMUSG0	2156.66	0.086552	0.08074	1.071992	0.283724	0.725004	Ap3s2
ENSMUSG0ENSMUSG0	2903.996	0.294878	0.102611	2.873743	0.004056	0.092057	Hspbp1
ENSMUSG0ENSMUSG0	47.17494	-0.00551	0.145519	-0.03786	0.969799	0.995539	Lin28b
ENSMUSG0ENSMUSG0	506.157	0.071654	0.083391	0.859244	0.390206	0.794806	Gpatch1
ENSMUSG0ENSMUSG0	825.2475	0.042595	0.109612	0.388597	0.697574	0.933661	Alms1
ENSMUSG0ENSMUSG0	560.4696	-0.12372	0.089935	-1.37569	0.168917	0.609423	Ppcdc
ENSMUSG0ENSMUSG0	188.5401	0.185037	0.145625	1.27064	0.203857	0.652058	Rnf183
ENSMUSG0ENSMUSG0	2546.831	0.0089	0.138651	0.064191	0.948818	0.991149	Gpx1
ENSMUSG0ENSMUSG0	10503.66	-0.00389	0.083945	-0.04632	0.963052	0.994289	Chd4
ENSMUSG0ENSMUSG0	514.7956	-0.38665	0.100857	-3.83365	0.000126	0.009655	Slc24a3
ENSMUSG0ENSMUSG0	5789.871	0.200832	0.10569	1.900206	0.057406	0.386458	Uqcrh
ENSMUSG0ENSMUSG0	1849.469	0.143477	0.070494	2.035305	0.04182	0.332151	Ptcd3
ENSMUSG0ENSMUSG0	45.69712	-0.29155	0.145951	-1.9976	0.04576	0.344606	Nlgn1
ENSMUSG0ENSMUSG0	2338.871	0.12459	0.060655	2.054086	0.039967	0.324879	Rpl7l1
ENSMUSG0ENSMUSG0	807.1145	0.059563	0.092169	0.646237	0.518126	0.863995	Crem
ENSMUSG0ENSMUSG0	730.107	-0.20241	0.110251	-1.83593	0.066368	0.413778	Zkscan8
ENSMUSG0ENSMUSG0	1146.473	-0.0525	0.125321	-0.41893	0.675271	0.927604	Nupl1
ENSMUSG0ENSMUSG0	829.516	0.016828	0.120453	0.13971	0.888889	0.978618	CAAA01118
ENSMUSG0ENSMUSG0	3255.384	0.106099	0.068898	1.539947	0.123573	0.536822	Dpp3
ENSMUSG0ENSMUSG0	642.4608	-0.12153	0.138506	-0.87741	0.380266	0.79028	Srrm4
ENSMUSG0ENSMUSG0	1210.834	-0.10358	0.104648	-0.98975	0.322297	0.751983	Pepd
ENSMUSG0ENSMUSG0	1903.276	-0.10697	0.063256	-1.69101	0.090836	0.474214	Brpf3
ENSMUSG0ENSMUSG0	41.10911	0.023996	0.145897	0.164469	0.869362	0.974896	Amd2
ENSMUSG0ENSMUSG0	105.0019	-0.1049	0.145819	-0.71941	0.471889	0.841369	Hist2h2aa2
ENSMUSG0ENSMUSG0	429.6287	0.151412	0.109466	1.38318	0.16661	0.605347	Nr6a1
ENSMUSG0ENSMUSG0	61.23004	0.112304	0.145686	0.77086	0.44079	0.821346	Slco1a5
ENSMUSG0ENSMUSG0	685.6816	0.152514	0.115211	1.323788	0.185573	0.631891	Pym1
ENSMUSG0ENSMUSG0	48.89136	-0.0633	0.145806	-0.43416	0.664174	0.924679	Gm10143
ENSMUSG0ENSMUSG0	95.9233	0.062652	0.145794	0.429733	0.66739	0.925067	Mro
ENSMUSG0ENSMUSG0	978.6585	0.095326	0.078817	1.209468	0.226483	0.675764	Gpn1
ENSMUSG0ENSMUSG0	671.3358	-0.24056	0.091926	-2.61694	0.008872	0.143166	Trerf1
ENSMUSG0ENSMUSG0	955.1319	0.147211	0.13375	1.100645	0.271051	0.713936	Dzip3
ENSMUSG0ENSMUSG0	508.0572	0.119999	0.146001	0.821902	0.411132	0.804628	Ipcef1
ENSMUSG0ENSMUSG0	1407.759	0.107679	0.082817	1.300207	0.19353	0.639447	Mtx1
ENSMUSG0ENSMUSG0	150.0255	0.141969	0.131451	1.08002	0.280133	0.72136	Vrk2
ENSMUSG0ENSMUSG0	952.077	0.146012	0.115368	1.265621	0.205649	0.653576	Cnnm2
ENSMUSG0ENSMUSG0	579.7827	0.032934	0.141353	0.232989	0.81577	0.959579	Cadm2
ENSMUSG0ENSMUSG0	209.5425	-0.14467	0.117643	-1.22978	0.21878	0.669212	Mocs1
ENSMUSG0ENSMUSG0	2732.127	0.029244	0.102935	0.284107	0.776329	0.950382	Med14
ENSMUSG0ENSMUSG0	818.5353	-0.01701	0.087755	-0.19383	0.846309	0.968351	Cenpj
ENSMUSG0ENSMUSG0	932.2173	-0.20731	0.090032	-2.30267	0.021297	0.231825	Fam172a

ENSMUSG0ENSMUSGC	55.05333	0.151949	0.140956	1.077993	0.281037	0.721619	Zfp69
ENSMUSG0ENSMUSGC	2036.652	0.021469	0.084158	0.255098	0.798647	0.956402	Arih2
ENSMUSG0ENSMUSGC	1359.58	0.000208	0.078559	0.002646	0.997889	0.998981	Rab3ip
ENSMUSG0ENSMUSGC	41.05174	-0.08951	0.131362	-0.68139	0.495623	0.853814	Gm4735
ENSMUSG0ENSMUSGC	60.0506	-0.09896	0.145696	-0.67925	0.496977	0.853814	4430402118
ENSMUSG0ENSMUSGC	2276.67	0.137599	0.123606	1.113209	0.265619	0.708961	Ano6
ENSMUSG0ENSMUSGC	4090.305	0.048632	0.128963	0.377099	0.7061	0.934791	Ifi27
ENSMUSG0ENSMUSGC	54.3791	-0.03911	0.131857	-0.29658	0.766788	0.948428	Hist2h2aa1
ENSMUSG0ENSMUSGC	1052.453	-0.29165	0.103482	-2.81836	0.004827	0.10193	Paqr9
ENSMUSG0ENSMUSGC	225.177	0.123346	0.145889	0.845479	0.397843	0.798441	Plcxd1
ENSMUSG0ENSMUSGC	775.7376	0.174071	0.091447	1.903521	0.056973	0.385445	Ethe1
ENSMUSG0ENSMUSGC	71.86539	-0.00635	0.14601	-0.04346	0.965338	0.994842	Platr26
ENSMUSG0ENSMUSGC	310.1702	-0.0582	0.127601	-0.45612	0.648303	0.918363	Zfp428
ENSMUSG0ENSMUSGC	337.3914	0.026393	0.114261	0.230986	0.817326	0.959822	Hvcn1
ENSMUSG0ENSMUSGC	309.2395	-0.00379	0.130849	-0.02895	0.976905	0.996317	Cdpf1
ENSMUSG0ENSMUSGC	692.9415	-0.1235	0.084862	-1.4553	0.145586	0.575753	Tank
ENSMUSG0ENSMUSGC	2108.208	0.045127	0.075373	0.598718	0.549361	0.878491	Clasp1
ENSMUSG0ENSMUSGC	51.91178	-0.22736	0.14545	-1.56315	0.118016	0.52813	Lrrc51
ENSMUSG0ENSMUSGC	429.1868	0.195239	0.142369	1.371355	0.170264	0.611478	Gm10146
ENSMUSG0ENSMUSGC	973.6745	0.098433	0.089228	1.103168	0.269954	0.712997	Siva1
ENSMUSG0ENSMUSGC	13329.41	0.135937	0.119004	1.142282	0.253337	0.699226	mt-Rnr1
ENSMUSG0ENSMUSGC	20317.73	0.201574	0.124106	1.624208	0.104331	0.501644	mt-Rnr2
ENSMUSG0ENSMUSGC	158431.4	0.226912	0.057818	3.924622	8.69E-05	0.007491	mt-Nd1
ENSMUSG0ENSMUSGC	92600.02	0.226521	0.089258	2.537839	0.011154	0.163343	mt-Nd2
ENSMUSG0ENSMUSGC	51.57785	-0.0041	0.138273	-0.02966	0.976338	0.996317	mt-Ta
ENSMUSG0ENSMUSGC	91.54583	-0.09826	0.13251	-0.74151	0.458387	0.832245	mt-Tn
ENSMUSG0ENSMUSGC	235.3501	-0.05909	0.143437	-0.41197	0.680363	0.928926	mt-Tc
ENSMUSG0ENSMUSGC	180.347	0.030304	0.143126	0.211732	0.832316	0.963807	mt-Ty
ENSMUSG0ENSMUSGC	433405.4	-0.03465	0.089748	-0.38609	0.699427	0.933914	mt-Co1
ENSMUSG0ENSMUSGC	298.3139	-0.11111	0.14431	-0.76997	0.441318	0.821484	mt-Ts1
ENSMUSG0ENSMUSGC	184168.4	0.063455	0.075338	0.842278	0.399632	0.799703	mt-Co2
ENSMUSG0ENSMUSGC	13021.41	0.047497	0.136633	0.347626	0.728121	0.938587	mt-Atp8
ENSMUSG0ENSMUSGC	171096.3	0.092749	0.065727	1.411123	0.158208	0.59683	mt-Atp6
ENSMUSG0ENSMUSGC	233004.9	0.096569	0.072154	1.338376	0.180774	0.626012	mt-Co3
ENSMUSG0ENSMUSGC	14478.94	0.319238	0.110638	2.885425	0.003909	0.090086	mt-Nd3
ENSMUSG0ENSMUSGC	175901.7	0.114076	0.069191	1.648715	0.099206	0.491242	mt-Nd4
ENSMUSG0ENSMUSGC	104790.1	0.005595	0.102853	0.054393	0.956622	0.992946	mt-Nd5
ENSMUSG0ENSMUSGC	48759.88	0.078625	0.078448	1.002258	0.316219	0.749052	mt-Nd6
ENSMUSG0ENSMUSGC	98.49798	0.260601	0.143788	1.812403	0.069924	0.423462	mt-Te
ENSMUSG0ENSMUSGC	191118	0.129784	0.044313	2.928833	0.003402	0.081798	mt-Cytb
ENSMUSG0ENSMUSGC	1168.191	-0.03002	0.096234	-0.312	0.755043	0.944386	mt-Tp
ENSMUSG0ENSMUSGC	3596.905	-0.06541	0.142822	-0.458	0.646949	0.917244	Selenop
ENSMUSG0ENSMUSGC	254.0748	-0.05098	0.096552	-0.52805	0.597463	0.89784	Rn7sk
ENSMUSG0ENSMUSGC	99.33392	0.093982	0.145509	0.645883	0.518355	0.864227	Snord104
ENSMUSG0ENSMUSGC	15189.36	0.002966	0.122865	0.024143	0.980739	0.997074	mt-Nd4l
ENSMUSG0ENSMUSGC	1787.736	0.061992	0.080384	0.771199	0.440589	0.821221	Tacc1
ENSMUSG0ENSMUSGC	1151.537	-0.07976	0.076922	-1.03683	0.299814	0.73805	Cpped1
ENSMUSG0ENSMUSGC	1790.099	0.070175	0.108799	0.644997	0.518929	0.864548	Aurkaip1
ENSMUSG0ENSMUSGC	155.756	0.03918	0.141055	0.277764	0.781193	0.951572	Dhrs3
ENSMUSG0ENSMUSGC	18099.98	0.15237	0.091732	1.661027	0.096708	0.486525	Ubr4
ENSMUSG0ENSMUSGC	3797.612	0.054934	0.092534	0.59366	0.552739	0.880913	Hnrnpr
ENSMUSG0ENSMUSGC	343.6677	0.016688	0.097083	0.171896	0.86352	0.973533	Med18

ENSMUSG0ENSMUSG0	1467.287	-0.00849	0.100541	-0.0844	0.932736	0.986608	Phactr4
ENSMUSG0ENSMUSG0	171.5126	-0.17661	0.137459	-1.28479	0.198867	0.645843	Gm1976
ENSMUSG0ENSMUSG0	1760.976	-0.16195	0.100792	-1.60672	0.108115	0.510418	Prpf4
ENSMUSG0ENSMUSG0	1064.262	0.051318	0.085457	0.600514	0.548164	0.877475	Cdc26
ENSMUSG0ENSMUSG0	3521.627	0.145562	0.120863	1.204355	0.228452	0.678002	Slc31a1
ENSMUSG0ENSMUSG0	1297.817	-0.03846	0.064613	-0.59518	0.551723	0.880268	Fkbp15
ENSMUSG0ENSMUSG0	351.533	-0.0361	0.133701	-0.27	0.787164	0.953859	Slc31a2
ENSMUSG0ENSMUSG0	147.2272	-0.08959	0.130638	-0.68582	0.492828	0.852803	2510046G1
ENSMUSG0ENSMUSG0	567.766	0.125738	0.096726	1.299944	0.19362	0.639447	Anks6
ENSMUSG0ENSMUSG0	5056.797	0.110055	0.108517	1.014181	0.310497	0.744601	Ipo7
ENSMUSG0ENSMUSG0	630.9775	-0.08405	0.112156	-0.74936	0.453638	0.828273	Tmem42
ENSMUSG0ENSMUSG0	504.6594	0.03098	0.112884	0.274442	0.783745	0.95278	Pomgnt2
ENSMUSG0ENSMUSG0	136.1937	-0.0619	0.110633	-0.55946	0.575846	0.890536	Olf639
ENSMUSG0ENSMUSG0	1415.993	-0.15709	0.07209	-2.17908	0.029326	0.274894	Vps37b
ENSMUSG0ENSMUSG0	4496.346	-0.1089	0.074752	-1.45685	0.145159	0.575087	Numa1
ENSMUSG0ENSMUSG0	783.5544	0.280536	0.145182	1.932303	0.053322	0.37491	Gm12918
ENSMUSG0ENSMUSG0	6850.407	0.049253	0.074745	0.658958	0.509923	0.859972	Impad1
ENSMUSG0ENSMUSG0	10985.31	0.049351	0.131178	0.376215	0.706757	0.934791	Wdr6
ENSMUSG0ENSMUSG0	61.19134	-0.02874	0.143314	-0.20053	0.84107	0.96667	Nrxn3
ENSMUSG0ENSMUSG0	937.2189	-0.00125	0.096853	-0.01293	0.989681	0.998539	Akap13
ENSMUSG0ENSMUSG0	1135.332	0.065275	0.099915	0.653307	0.513558	0.862295	Msl2
ENSMUSG0ENSMUSG0	128.9596	0.072196	0.108726	0.664013	0.506682	0.858732	Plekhd1
ENSMUSG0ENSMUSG0	542.7471	-0.00276	0.123373	-0.02235	0.98217	0.997345	Zfyve26
ENSMUSG0ENSMUSG0	1993.761	0.244364	0.124292	1.966053	0.049292	0.358874	Rdh11
ENSMUSG0ENSMUSG0	201.4708	0.285029	0.13096	2.176464	0.029521	0.27556	Mthfs
ENSMUSG0ENSMUSG0	1451.859	0.236204	0.099632	2.370759	0.017752	0.207963	Gm10163
ENSMUSG0ENSMUSG0	3619.601	0.078109	0.086655	0.901369	0.367392	0.783695	Hmgn3
ENSMUSG0ENSMUSG0	8247.312	-0.0977	0.087277	-1.11942	0.26296	0.706247	Hmgb1
ENSMUSG0ENSMUSG0	2790.634	-0.00988	0.085418	-0.11569	0.907901	0.982427	Lsm14a
ENSMUSG0ENSMUSG0	739.5731	-0.10355	0.142953	-0.72434	0.468857	0.83933	4931406P1
ENSMUSG0ENSMUSG0	420.6204	0.14329	0.09542	1.501683	0.133179	0.555792	Flvcr1
ENSMUSG0ENSMUSG0	969.0222	0.025949	0.097918	0.265005	0.791005	0.954487	Zfp932
ENSMUSG0ENSMUSG0	2135.879	0.160315	0.12424	1.290359	0.196926	0.643523	Tecpr1
ENSMUSG0ENSMUSG0	156.4942	0.03382	0.139559	0.242333	0.808522	0.958353	Ttc32
ENSMUSG0ENSMUSG0	946.936	0.095904	0.079271	1.209819	0.226348	0.675764	Fbxl18
ENSMUSG0ENSMUSG0	1405.677	-0.01558	0.081228	-0.19182	0.847885	0.968759	Wdr35
ENSMUSG0ENSMUSG0	275.9664	0.027982	0.107494	0.260309	0.794625	0.955451	Gm5113
ENSMUSG0ENSMUSG0	39.00968	-0.06199	0.1361	-0.45547	0.648773	0.918471	Fxyd6
ENSMUSG0ENSMUSG0	66.21744	0.073434	0.145841	0.503518	0.6146	0.905841	Zfp575
ENSMUSG0ENSMUSG0	6829.984	-0.05099	0.105616	-0.48283	0.629215	0.910993	Gm10175
ENSMUSG0ENSMUSG0	2572.141	0.083402	0.084276	0.989638	0.322351	0.751983	Vkorc1l1
ENSMUSG0ENSMUSG0	932.8128	-0.09312	0.089712	-1.03799	0.299275	0.737987	Psg16
ENSMUSG0ENSMUSG0	674.5034	-0.02844	0.10383	-0.2739	0.78416	0.953007	Zbtb6
ENSMUSG0ENSMUSG0	764.2799	-0.05665	0.107391	-0.52748	0.59786	0.898032	Zfp810
ENSMUSG0ENSMUSG0	269.0393	0.021032	0.08819	0.238483	0.811506	0.95864	Zfp772
ENSMUSG0ENSMUSG0	1005.959	0.082657	0.082721	0.999225	0.317686	0.750019	Ecsit
ENSMUSG0ENSMUSG0	132.0198	-0.18805	0.127594	-1.4738	0.140536	0.570814	Oas1g
ENSMUSG0ENSMUSG0	619.6275	0.020256	0.099707	0.203159	0.839011	0.96574	Nck2
ENSMUSG0ENSMUSG0	720.2491	-0.03238	0.102346	-0.3164	0.751702	0.943208	Zfp617
ENSMUSG0ENSMUSG0	288.9749	-0.02846	0.10623	-0.26791	0.78877	0.954347	Fbxl12
ENSMUSG0ENSMUSG0	522.6549	-0.04236	0.127445	-0.33238	0.7396	0.940232	Vsig10
ENSMUSG0ENSMUSG0	2476.606	-0.06191	0.077907	-0.79463	0.426831	0.81459	Suds3

ENSMUSG0ENSMUSG0	5367.945	0.103056	0.067556	1.525498	0.127135	0.545558	Bub3
ENSMUSG0ENSMUSG0	8163.998	0.173151	0.125737	1.377088	0.168485	0.609005	Rps12-ps3
ENSMUSG0ENSMUSG0	2007.867	0.000408	0.086433	0.004718	0.996235	0.998798	Hes6
ENSMUSG0ENSMUSG0	47.25877	-0.08596	0.145942	-0.58903	0.555843	0.88219	Asb18
ENSMUSG0ENSMUSG0	1504.622	0.17979	0.100441	1.790002	0.073454	0.431352	Polr1c
ENSMUSG0ENSMUSG0	1400.485	-0.00881	0.105599	-0.08343	0.933508	0.986608	Xpo5
ENSMUSG0ENSMUSG0	3572.142	0.24837	0.11475	2.164441	0.030431	0.279438	Eif1ax
ENSMUSG0ENSMUSG0	79.87603	-0.13656	0.145996	-0.93536	0.349602	0.771455	H2-K2
ENSMUSG0ENSMUSG0	360.5214	-0.30396	0.126559	-2.40171	0.016319	0.201041	H2-T23
ENSMUSG0ENSMUSG0	217.2913	0.079741	0.144677	0.551162	0.581522	0.892874	Usp51
ENSMUSG0ENSMUSG0	2593.674	0.18664	0.119691	1.559345	0.118915	0.529565	Nipal1
ENSMUSG0ENSMUSG0	178.8356	0.121707	0.139585	0.871921	0.383251	0.790739	H2-Q10
ENSMUSG0ENSMUSG0	37.327	0.14285	0.137361	1.039966	0.298356	0.736904	Lgi1
ENSMUSG0ENSMUSG0	34908.15	0.106876	0.109047	0.980096	0.327039	0.754362	Rplp0
ENSMUSG0ENSMUSG0	56.85359	0.165818	0.138001	1.201566	0.229532	0.679697	Capn6
ENSMUSG0ENSMUSG0	48.947	-0.07188	0.134469	-0.53457	0.592949	0.895885	Ppp1r3c
ENSMUSG0ENSMUSG0	5211.422	0.121387	0.122712	0.989198	0.322566	0.752223	Rps28
ENSMUSG0ENSMUSG0	794.057	0.128677	0.085598	1.503279	0.132767	0.555287	Bmpr2
ENSMUSG0ENSMUSG0	57.79006	0.12492	0.14563	0.85779	0.391008	0.794949	Gm14149
ENSMUSG0ENSMUSG0	1125.492	-0.13542	0.074578	-1.8158	0.069401	0.422059	Tmem128
ENSMUSG0ENSMUSG0	1026.652	0.059659	0.07706	0.774189	0.438819	0.820032	Lyar
ENSMUSG0ENSMUSG0	1633.34	0.139209	0.077952	1.785835	0.074126	0.433063	Trmt2b
ENSMUSG0ENSMUSG0	256.7653	-0.05541	0.0957	-0.57895	0.562621	0.885011	B3galt4
ENSMUSG0ENSMUSG0	865.1266	0.098376	0.098432	0.999431	0.317586	0.750019	Tspan6
ENSMUSG0ENSMUSG0	112.1746	0.093704	0.139999	0.66932	0.503291	0.856225	Zfp563
ENSMUSG0ENSMUSG0	194.4221	-0.02774	0.11188	-0.24791	0.804206	0.957462	Zfp763
ENSMUSG0ENSMUSG0	88.64205	-0.26488	0.14159	-1.87073	0.061382	0.398881	Hist1h4j
ENSMUSG0ENSMUSG0	173.5426	0.356877	0.145371	2.454929	0.014091	0.185209	Gm7666
ENSMUSG0ENSMUSG0	190.1987	-0.06916	0.117445	-0.58885	0.555964	0.88219	Hdac8
ENSMUSG0ENSMUSG0	991.7881	-0.05809	0.133493	-0.43517	0.66344	0.924638	Syngap1
ENSMUSG0ENSMUSG0	140.4294	-0.17889	0.125112	-1.42984	0.152763	0.589042	Ankrd23
ENSMUSG0ENSMUSG0	2458.427	0.032426	0.080093	0.404857	0.685582	0.931173	Prkag1
ENSMUSG0ENSMUSG0	126.0031	-0.10086	0.081555	-1.23672	0.216191	0.667111	Gm10221
ENSMUSG0ENSMUSG0	589.1965	-0.07181	0.088	-0.81602	0.414491	0.807888	BC003965
ENSMUSG0ENSMUSG0	140.5589	0.071623	0.14527	0.493032	0.62199	0.907988	Gm14685
ENSMUSG0ENSMUSG0	19283.72	0.290644	0.071473	4.066499	4.77E-05	0.004833	Nnat
ENSMUSG0ENSMUSG0	1899.415	0.313327	0.072149	4.342756	1.41E-05	0.001862	Blcap
ENSMUSG0ENSMUSG0	865.0276	0.014211	0.060505	0.234868	0.814311	0.959419	Pex26
ENSMUSG0ENSMUSG0	1648.875	0.107326	0.11823	0.907769	0.364	0.781496	Romo1
ENSMUSG0ENSMUSG0	4259.07	-0.17609	0.108262	-1.62655	0.103834	0.500701	Arfgef1
ENSMUSG0ENSMUSG0	2949.91	0.160592	0.106424	1.508977	0.131305	0.552455	Rpl31-ps8
ENSMUSG0ENSMUSG0	2070.597	0.087238	0.063345	1.377198	0.168451	0.609005	Htatsf1
ENSMUSG0ENSMUSG0	1997.174	-0.17144	0.09594	-1.78692	0.07395	0.432413	Sptbn2
ENSMUSG0ENSMUSG0	2279.997	0.209202	0.116067	1.802426	0.071478	0.427114	Rtl8b
ENSMUSG0ENSMUSG0	2152.687	0.201526	0.126696	1.590624	0.111694	0.516973	Rtl8a
ENSMUSG0ENSMUSG0	97.88419	-0.0256	0.130898	-0.19554	0.844967	0.967714	Zfp760
ENSMUSG0ENSMUSG0	1303.926	0.106329	0.076126	1.396754	0.162488	0.601189	Zfp948
ENSMUSG0ENSMUSG0	506.6004	-0.02526	0.090828	-0.27807	0.780959	0.95154	Zfp160
ENSMUSG0ENSMUSG0	1173.761	-0.05459	0.098285	-0.55546	0.578577	0.892246	Gtf2f2
ENSMUSG0ENSMUSG0	1071.63	-0.01985	0.066438	-0.29878	0.765105	0.947561	Mkrn2os
ENSMUSG0ENSMUSG0	866.3823	-0.03339	0.114301	-0.29217	0.77016	0.949297	Lrch1
ENSMUSG0ENSMUSG0	3342.191	0.010044	0.119329	0.084172	0.93292	0.986608	Afdn

ENSMUSG0ENSMUSG0	12855.01	0.153027	0.060111	2.545768	0.010904	0.161765	Tcp1
ENSMUSG0ENSMUSG0	2930.44	0.000902	0.06034	0.014948	0.988074	0.998385	Tm9sf4
ENSMUSG0ENSMUSG0	1169.826	0.038382	0.114017	0.336637	0.736391	0.939196	Cenpm
ENSMUSG0ENSMUSG0	739.1155	0.116931	0.092378	1.265798	0.205585	0.653576	Ccdc134
ENSMUSG0ENSMUSG0	223.5621	-0.20321	0.100851	-2.01495	0.04391	0.337833	Zfp120
ENSMUSG0ENSMUSG0	6958.543	-0.14109	0.121656	-1.15973	0.24616	0.69389	Insm1
ENSMUSG0ENSMUSG0	598.9168	0.118551	0.105403	1.124741	0.260699	0.704284	Ndufaf2
ENSMUSG0ENSMUSG0	676.7042	0.039247	0.08257	0.475321	0.634558	0.912468	MacroD2
ENSMUSG0ENSMUSG0	1944.026	0.044372	0.065334	0.67916	0.497037	0.853814	Pick1
ENSMUSG0ENSMUSG0	13137.73	0.10172	0.119555	0.850815	0.394872	0.796598	Gm11808
ENSMUSG0ENSMUSG0	611.4595	-0.25167	0.10925	-2.30365	0.021242	0.231563	Amn1
ENSMUSG0ENSMUSG0	68.6472	-0.04813	0.089809	-0.53588	0.592041	0.895697	Apol7b
ENSMUSG0ENSMUSG0	804.1671	-0.03028	0.081917	-0.36964	0.711648	0.935647	Ap5s1
ENSMUSG0ENSMUSG0	4946.258	-0.04579	0.078792	-0.58112	0.561159	0.884506	Cenpb
ENSMUSG0ENSMUSG0	848.0477	-0.00461	0.081025	-0.05693	0.954604	0.992605	Usf3
ENSMUSG0ENSMUSG0	3295.834	-0.02145	0.092912	-0.23091	0.817386	0.959822	Ddrgk1
ENSMUSG0ENSMUSG0	311.3501	-0.1654	0.107972	-1.5319	0.125546	0.541523	Nat8f4
ENSMUSG0ENSMUSG0	54.04394	-0.25557	0.144229	-1.77195	0.076403	0.439073	Slc4a5
ENSMUSG0ENSMUSG0	2345.548	-0.18615	0.101144	-1.84047	0.065699	0.413075	Aup1
ENSMUSG0ENSMUSG0	1042.824	-0.11308	0.086476	-1.3077	0.190974	0.638189	Htra2
ENSMUSG0ENSMUSG0	216.1552	-0.17317	0.13397	-1.29263	0.196138	0.642276	Dok1
ENSMUSG0ENSMUSG0	846.2605	-0.06833	0.094595	-0.72239	0.470054	0.839788	Chrac1
ENSMUSG0ENSMUSG0	594.1414	0.058249	0.090947	0.640469	0.521868	0.866449	Cep152
ENSMUSG0ENSMUSG0	289.0677	0.119815	0.13593	0.881444	0.378077	0.788987	Pnp2
ENSMUSG0ENSMUSG0	1615.06	-0.25057	0.076066	-3.29418	0.000987	0.036349	Mfap1a
ENSMUSG0ENSMUSG0	54.62727	0.030019	0.115075	0.260861	0.7942	0.955378	Aard
ENSMUSG0ENSMUSG0	1447.339	0.241307	0.119364	2.021611	0.043217	0.33585	Gng5
ENSMUSG0ENSMUSG0	2301.626	0.100158	0.069803	1.434854	0.151329	0.585983	Myadm
ENSMUSG0ENSMUSG0	1005.255	0.138239	0.094074	1.469472	0.141705	0.571738	Zfyve19
ENSMUSG0ENSMUSG0	2798.856	-0.19546	0.113322	-1.72482	0.084561	0.459279	Gjd2
ENSMUSG0ENSMUSG0	2510.143	-0.08978	0.070398	-1.27525	0.202221	0.650197	Efcab1
ENSMUSG0ENSMUSG0	717.6599	0.077544	0.111547	0.695171	0.486948	0.849705	Clec16a
ENSMUSG0ENSMUSG0	259.4039	0.15351	0.098235	1.562688	0.118126	0.528444	Cd59b
ENSMUSG0ENSMUSG0	1840.063	-0.01204	0.064853	-0.18561	0.852747	0.9698	Tmem167b
ENSMUSG0ENSMUSG0	783.2426	0.112994	0.124149	0.910143	0.362747	0.780559	Trp53i11
ENSMUSG0ENSMUSG0	8733.261	0.037224	0.133748	0.278313	0.780772	0.95154	Sars
ENSMUSG0ENSMUSG0	653.6558	0.039878	0.126986	0.314038	0.753492	0.943889	Celsr2
ENSMUSG0ENSMUSG0	1084.894	0.003796	0.090698	0.041852	0.966616	0.994967	Cry2
ENSMUSG0ENSMUSG0	676.7498	-0.13402	0.091169	-1.47	0.141563	0.571337	Pscl1
ENSMUSG0ENSMUSG0	4899.769	-0.13404	0.06923	-1.93607	0.052859	0.373447	Sort1
ENSMUSG0ENSMUSG0	2106.193	-0.07764	0.137026	-0.56661	0.570981	0.889335	Ptprz1
ENSMUSG0ENSMUSG0	3509.471	0.213657	0.084407	2.531269	0.011365	0.165127	Psma5
ENSMUSG0ENSMUSG0	255.5233	-0.12563	0.113615	-1.10574	0.268841	0.711911	Il3ra
ENSMUSG0ENSMUSG0	1948.193	0.120728	0.081962	1.47298	0.140757	0.571183	Rap1a
ENSMUSG0ENSMUSG0	54.84635	-0.15384	0.143904	-1.06902	0.285062	0.725657	Olf1259
ENSMUSG0ENSMUSG0	7871.037	0.051637	0.072149	0.715695	0.47418	0.842005	Csde1
ENSMUSG0ENSMUSG0	184.5224	-0.23478	0.118223	-1.98588	0.047047	0.349224	Hist2h2be
ENSMUSG0ENSMUSG0	3312.405	0.099896	0.070113	1.424794	0.154217	0.590874	Sf3b4
ENSMUSG0ENSMUSG0	1373.841	-0.10538	0.100302	-1.05059	0.293445	0.733452	Cgn
ENSMUSG0ENSMUSG0	5128.562	0.070146	0.062566	1.121148	0.262225	0.705689	Ssb
ENSMUSG0ENSMUSG0	1324.718	0.0103	0.085592	0.120343	0.904212	0.982338	Clk2
ENSMUSG0ENSMUSG0	2997.495	0.073629	0.098229	0.749567	0.453516	0.828162	Dap3

ENSMUSG0ENSMUSGC	1108.288	0.171102	0.098889	1.730249	0.083586	0.456096	Msto1
ENSMUSG0ENSMUSGC	5942.404	0.101874	0.090399	1.12694	0.259768	0.704211	Syt11
ENSMUSG0ENSMUSGC	41.44385	0.005135	0.144336	0.035577	0.97162	0.995539	Olfr366
ENSMUSG0ENSMUSGC	60.02312	-0.20718	0.136732	-1.51523	0.129715	0.549048	Olfr338
ENSMUSG0ENSMUSGC	107.7629	-0.2142	0.126553	-1.69255	0.090541	0.473414	Zfp619
ENSMUSG0ENSMUSGC	417.1175	0.004557	0.091389	0.049861	0.960233	0.993839	Zbtb34
ENSMUSG0ENSMUSGC	9450.496	-0.14751	0.089447	-1.64912	0.099122	0.491242	Gm5641
ENSMUSG0ENSMUSGC	1152.423	-0.02945	0.090966	-0.32371	0.74616	0.941322	Urm1
ENSMUSG0ENSMUSGC	12588.74	-0.08457	0.095712	-0.88362	0.376903	0.788552	Slc7a14
ENSMUSG0ENSMUSGC	864.6965	0.005887	0.070746	0.083209	0.933685	0.986608	Cdk7
ENSMUSG0ENSMUSGC	1075.899	-0.05759	0.117323	-0.4909	0.623498	0.907988	Pde7a
ENSMUSG0ENSMUSGC	475.4467	-0.2297	0.100585	-2.28358	0.022396	0.238758	Zbtb10
ENSMUSG0ENSMUSGC	813.7417	0.0125	0.089429	0.139778	0.888835	0.978618	Fgfr1op
ENSMUSG0ENSMUSGC	439.511	-0.10737	0.118974	-0.90246	0.366815	0.783263	Adgrv1
ENSMUSG0ENSMUSGC	185.8149	-0.06173	0.10423	-0.59227	0.553667	0.881128	Zfp874a
ENSMUSG0ENSMUSGC	251.5102	-0.16095	0.095053	-1.69327	0.090404	0.473154	Zfp825
ENSMUSG0ENSMUSGC	1787.646	-0.14239	0.088103	-1.61616	0.10606	0.50524	Gprn1
ENSMUSG0ENSMUSGC	2275.622	0.085969	0.089288	0.962825	0.335635	0.759008	Fam8a1
ENSMUSG0ENSMUSGC	100.996	-0.23355	0.143651	-1.62583	0.103985	0.501071	Dusp22
ENSMUSG0ENSMUSGC	40.59521	-0.00559	0.1436	-0.0389	0.96897	0.995539	Rdh16
ENSMUSG0ENSMUSGC	1208.361	-0.08627	0.11109	-0.7766	0.437394	0.819028	Epc2
ENSMUSG0ENSMUSGC	1370.096	-0.02683	0.064307	-0.41715	0.676571	0.927788	Tmem19
ENSMUSG0ENSMUSGC	1499.614	0.004205	0.095848	0.043873	0.965006	0.994842	Scyl2
ENSMUSG0ENSMUSGC	3616.465	-0.073	0.059645	-1.22389	0.220993	0.671826	Dazap1
ENSMUSG0ENSMUSGC	1463.87	-0.03337	0.113511	-0.29394	0.768802	0.949074	Ank3
ENSMUSG0ENSMUSGC	140.265	0.305107	0.140129	2.177334	0.029456	0.27556	Gm10273
ENSMUSG0ENSMUSGC	546.265	-0.07791	0.12066	-0.64573	0.518455	0.864227	Strada
ENSMUSG0ENSMUSGC	208.7864	-0.40333	0.131491	-3.06738	0.002159	0.060137	Pex11g
ENSMUSG0ENSMUSGC	3982.236	-0.1647	0.102938	-1.60003	0.109592	0.512855	Marcks
ENSMUSG0ENSMUSGC	486.8708	-0.10163	0.108596	-0.93584	0.349358	0.771314	Pcgf1
ENSMUSG0ENSMUSGC	8567.009	0.235258	0.10258	2.29342	0.021824	0.235508	Gm10275
ENSMUSG0ENSMUSGC	75.14491	-0.10218	0.141196	-0.72365	0.469279	0.839515	4933406P0
ENSMUSG0ENSMUSGC	208.6098	-0.03467	0.101271	-0.3423	0.732123	0.938791	Zfp975
ENSMUSG0ENSMUSGC	1872.2	0.145361	0.089604	1.622263	0.104747	0.501847	Arid1b
ENSMUSG0ENSMUSGC	175.5463	-0.1447	0.121443	-1.19151	0.233452	0.68322	Zfp820
ENSMUSG0ENSMUSGC	3611.383	0.112399	0.112874	0.995791	0.319352	0.750368	Psmb3
ENSMUSG0ENSMUSGC	269.549	-0.16054	0.091456	-1.75536	0.079197	0.445187	Zfp125
ENSMUSG0ENSMUSGC	3983.754	-0.08659	0.101891	-0.84987	0.395396	0.796836	Msi2
ENSMUSG0ENSMUSGC	1971.966	0.116758	0.102099	1.143574	0.2528	0.698467	Slfn9
ENSMUSG0ENSMUSGC	235.6806	0.315823	0.145756	2.166791	0.030251	0.279063	Fbp1
ENSMUSG0ENSMUSGC	1274.931	-0.02838	0.075669	-0.37506	0.707618	0.934791	Cacng7
ENSMUSG0ENSMUSGC	842.9486	-0.34	0.095176	-3.57236	0.000354	0.018953	Fam57a
ENSMUSG0ENSMUSGC	896.2622	-0.00363	0.105467	-0.03446	0.972514	0.995679	Ccdc92b
ENSMUSG0ENSMUSGC	213.9802	0.182465	0.144382	1.263765	0.206314	0.653818	Sat2
ENSMUSG0ENSMUSGC	338.5269	0.194893	0.092135	2.115308	0.034404	0.299983	Sco1
ENSMUSG0ENSMUSGC	98.72533	-0.09637	0.122366	-0.78754	0.430967	0.816305	Irgm2
ENSMUSG0ENSMUSGC	50.20678	-0.12903	0.143654	-0.89819	0.369082	0.784717	9930111J2
ENSMUSG0ENSMUSGC	1709.589	-0.20997	0.126401	-1.66115	0.096683	0.486525	Atxn1l
ENSMUSG0ENSMUSGC	886.9054	0.043387	0.078173	0.55501	0.578888	0.892339	Spdl1
ENSMUSG0ENSMUSGC	1850.188	0.011699	0.086784	0.134804	0.892767	0.979424	B3gnt9
ENSMUSG0ENSMUSGC	440.9894	0.004641	0.132017	0.035155	0.971956	0.995539	Gm12070
ENSMUSG0ENSMUSGC	937.0054	0.17561	0.126564	1.387522	0.165283	0.604469	Rps13-ps2

ENSMUSG0ENSMUSGC	482.6005	-0.12646	0.081414	-1.5533	0.120352	0.533227	Fcho1
ENSMUSG0ENSMUSGC	1005.084	0.124836	0.083755	1.490488	0.136096	0.562522	Ell
ENSMUSG0ENSMUSGC	2084.982	-0.21186	0.107691	-1.96727	0.049152	0.358437	Ssbp4
ENSMUSG0ENSMUSGC	125.5753	-0.19937	0.144813	-1.37671	0.168603	0.609113	Sp110
ENSMUSG0ENSMUSGC	3619.754	0.036297	0.14405	0.251977	0.801059	0.956594	Fat1
ENSMUSG0ENSMUSGC	203.3349	-0.17497	0.144578	-1.21022	0.226194	0.675764	Mfhas1
ENSMUSG0ENSMUSGC	250.3399	-0.10209	0.119521	-0.85412	0.393037	0.795486	3000002C1
ENSMUSG0ENSMUSGC	983.583	-0.08637	0.124524	-0.69364	0.487909	0.850258	Ndufaf3
ENSMUSG0ENSMUSGC	1789.763	0.089632	0.098408	0.910825	0.362387	0.780559	Gmppb
ENSMUSG0ENSMUSGC	2473.169	0.03585	0.082424	0.434949	0.663599	0.924679	Slc35g2
ENSMUSG0ENSMUSGC	47.47469	0.169174	0.14087	1.200916	0.229784	0.679947	Mpzl3
ENSMUSG0ENSMUSGC	149.6837	0.019158	0.122102	0.156901	0.875323	0.97593	A630095E1
ENSMUSG0ENSMUSGC	3803.567	0.127661	0.078561	1.624994	0.104164	0.50157	Eif3g
ENSMUSG0ENSMUSGC	1048.278	-0.19335	0.083862	-2.30554	0.021136	0.231203	Rnf213
ENSMUSG0ENSMUSGC	82.56202	-0.14326	0.140441	-1.0201	0.307682	0.743099	Fbxo47
ENSMUSG0ENSMUSGC	2570.022	0.189649	0.11541	1.643259	0.100329	0.493281	Gm10288
ENSMUSG0ENSMUSGC	199.7099	-0.01694	0.138153	-0.12265	0.902386	0.981785	Prss36
ENSMUSG0ENSMUSGC	3234.186	0.0887	0.062531	1.418498	0.156045	0.594431	Capza1
ENSMUSG0ENSMUSGC	124.6424	-0.10681	0.101072	-1.05673	0.290635	0.730515	Gm20634
ENSMUSG0ENSMUSGC	1645.878	0.143275	0.117437	1.220016	0.222459	0.672792	Tmem256
ENSMUSG0ENSMUSGC	118.1689	-0.16066	0.134466	-1.19481	0.232159	0.681889	Hs3st3b1
ENSMUSG0ENSMUSGC	384.9381	-0.08877	0.11057	-0.80286	0.422058	0.812566	Zscan25
ENSMUSG0ENSMUSGC	158.4011	0.045701	0.145014	0.315151	0.752647	0.943694	Xntrpc
ENSMUSG0ENSMUSGC	1302.219	0.112263	0.076527	1.466967	0.142385	0.571875	Rnf121
ENSMUSG0ENSMUSGC	237.8526	0.047264	0.106857	0.442315	0.658261	0.921552	Il18bp
ENSMUSG0ENSMUSGC	235.5876	-0.02968	0.138837	-0.21381	0.830695	0.963218	9230112E0
ENSMUSG0ENSMUSGC	1022.711	-0.30634	0.107597	-2.8471	0.004412	0.097317	Tlnrd1
ENSMUSG0ENSMUSGC	119.3448	-0.21973	0.126687	-1.73447	0.082835	0.454355	Erich6
ENSMUSG0ENSMUSGC	183.7299	-0.35215	0.136109	-2.58727	0.009674	0.150628	Cldn3
ENSMUSG0ENSMUSGC	366.1159	-0.01981	0.110037	-0.18003	0.857131	0.971778	Fam217b
ENSMUSG0ENSMUSGC	10936.55	0.051868	0.11219	0.462322	0.64385	0.91498	Chchd2
ENSMUSG0ENSMUSGC	190.4688	-0.10676	0.126447	-0.84435	0.398476	0.798847	Tmem132b
ENSMUSG0ENSMUSGC	1304.088	-0.01443	0.088808	-0.16247	0.870933	0.975586	Nsmce3
ENSMUSG0ENSMUSGC	2487.603	-0.0414	0.081442	-0.50833	0.611219	0.904473	Top1
ENSMUSG0ENSMUSGC	1503.769	0.217391	0.112512	1.932148	0.053341	0.37491	Rasal2
ENSMUSG0ENSMUSGC	452.0963	-0.2638	0.127904	-2.06252	0.039158	0.321553	Slc17a7
ENSMUSG0ENSMUSGC	182.4783	-0.00268	0.123066	-0.02179	0.982619	0.99741	Trmt112-ps
ENSMUSG0ENSMUSGC	43.09515	-0.05951	0.139029	-0.42805	0.668615	0.925067	Mn1
ENSMUSG0ENSMUSGC	88.892	-0.10219	0.134463	-0.76001	0.44725	0.824037	Gm572
ENSMUSG0ENSMUSGC	55.7039	0.074158	0.144903	0.511776	0.608808	0.903796	Fv1
ENSMUSG0ENSMUSGC	285.9126	-0.02908	0.134557	-0.21608	0.828924	0.963218	Vsig10l
ENSMUSG0ENSMUSGC	700.1296	-0.13539	0.116157	-1.16557	0.243788	0.69143	Lrrc8b
ENSMUSG0ENSMUSGC	71.2439	-0.18941	0.135112	-1.40185	0.16096	0.600383	Etnk2
ENSMUSG0ENSMUSGC	262.25	-0.01868	0.14583	-0.1281	0.898073	0.980923	Rnf186
ENSMUSG0ENSMUSGC	504.3587	0.041544	0.130819	0.317568	0.750812	0.942712	Htr1d
ENSMUSG0ENSMUSGC	1792.102	0.064438	0.07632	0.844315	0.398493	0.798847	Utp3
ENSMUSG0ENSMUSGC	649.756	-0.01411	0.076935	-0.18334	0.854532	0.970614	Sars2
ENSMUSG0ENSMUSGC	392.9432	-0.04334	0.121274	-0.35736	0.720823	0.936824	Eid2b
ENSMUSG0ENSMUSGC	253.4148	0.015636	0.120574	0.129679	0.89682	0.98034	Zfp974
ENSMUSG0ENSMUSGC	161.9157	-0.12029	0.138573	-0.86808	0.385352	0.792576	Gm10282
ENSMUSG0ENSMUSGC	1741.945	0.088343	0.06888	1.282552	0.199649	0.646803	Rmdn3
ENSMUSG0ENSMUSGC	1468.883	0.021995	0.087656	0.250929	0.801869	0.95676	Fryl

ENSMUSG0ENSMUSGC	220.6031	-0.05377	0.129935	-0.41381	0.67901	0.928688	Tmem35b
ENSMUSG0ENSMUSGC	3980.716	0.12446	0.058429	2.130103	0.033163	0.292216	Dgkd
ENSMUSG0ENSMUSGC	1210.793	0.001108	0.10789	0.010266	0.991809	0.998539	Rbm47
ENSMUSG0ENSMUSGC	3123.716	0.20885	0.080448	2.596093	0.009429	0.148455	Pnmal2
ENSMUSG0ENSMUSGC	355.9071	-0.07466	0.137685	-0.54227	0.587633	0.894311	Cited4
ENSMUSG0ENSMUSGC	432.5505	-0.11722	0.135026	-0.8681	0.385341	0.792576	Bicra
ENSMUSG0ENSMUSGC	454.3147	0.021337	0.095284	0.223931	0.822811	0.961437	Zswim9
ENSMUSG0ENSMUSGC	48.0745	-0.02683	0.142055	-0.18886	0.850204	0.969418	Olf1r1116
ENSMUSG0ENSMUSGC	340.2167	-0.05353	0.136819	-0.39123	0.695631	0.933115	Gm1673
ENSMUSG0ENSMUSGC	880.1761	0.030973	0.068447	0.452514	0.650899	0.919041	Ccnyl1
ENSMUSG0ENSMUSGC	41.03216	-0.02063	0.13016	-0.15851	0.874057	0.97593	Gad1
ENSMUSG0ENSMUSGC	71.66925	-0.07383	0.138285	-0.5339	0.593408	0.895908	Ccdc173
ENSMUSG0ENSMUSGC	2827.064	0.18138	0.071474	2.537687	0.011159	0.163343	Klhl9
ENSMUSG0ENSMUSGC	3812.384	0.132962	0.05987	2.220859	0.02636	0.259173	Rraga
ENSMUSG0ENSMUSGC	1643.22	-0.06243	0.061187	-1.02039	0.307543	0.743099	Tgfb1rap1
ENSMUSG0ENSMUSGC	558.3345	0.284525	0.078802	3.610633	0.000305	0.017138	Rabepk
ENSMUSG0ENSMUSGC	114.8234	0.045458	0.126337	0.35982	0.718982	0.936235	Gm19680
ENSMUSG0ENSMUSGC	432.1783	0.094877	0.107297	0.884244	0.376564	0.788552	Dnaja25
ENSMUSG0ENSMUSGC	65.10805	-0.13078	0.135497	-0.96519	0.334448	0.759008	1700055D1
ENSMUSG0ENSMUSGC	2265.222	0.214045	0.096077	2.227853	0.02589	0.257497	Ndufb6
ENSMUSG0ENSMUSGC	240.5392	0.074078	0.132631	0.558526	0.576486	0.890536	Camkmt
ENSMUSG0ENSMUSGC	4347.074	0.064456	0.089297	0.721818	0.470406	0.84007	Safb
ENSMUSG0ENSMUSGC	919.578	-0.05158	0.090635	-0.56911	0.569281	0.888674	Zfp827
ENSMUSG0ENSMUSGC	6510.61	0.131023	0.064102	2.043984	0.040955	0.329087	Ptges3
ENSMUSG0ENSMUSGC	609.8059	-0.19601	0.113788	-1.7226	0.084961	0.459603	Lrrc73
ENSMUSG0ENSMUSGC	2756.411	-0.00841	0.115103	-0.07307	0.941749	0.988562	Yipf3
ENSMUSG0ENSMUSGC	2187.006	-0.11141	0.125586	-0.88708	0.375034	0.787458	Jund
ENSMUSG0ENSMUSGC	896.8813	0.067354	0.123994	0.543207	0.586988	0.894311	Nr2c2ap
ENSMUSG0ENSMUSGC	138.581	-0.11083	0.132806	-0.83455	0.403971	0.800157	1700029J0
ENSMUSG0ENSMUSGC	10604.05	0.10909	0.064237	1.698253	0.08946	0.47134	Srsf3
ENSMUSG0ENSMUSGC	310.7921	-0.07301	0.108912	-0.67036	0.502632	0.856225	Arhgef10
ENSMUSG0ENSMUSGC	791.368	0.079766	0.082846	0.962818	0.335639	0.759008	Smim15
ENSMUSG0ENSMUSGC	3381.196	0.164084	0.089021	1.843203	0.065299	0.411796	Syndig1l
ENSMUSG0ENSMUSGC	140.7093	0.132615	0.128532	1.031766	0.302182	0.739759	2210408I21
ENSMUSG0ENSMUSGC	767.3084	-0.18546	0.089469	-2.0729	0.038182	0.317596	Slc25a16
ENSMUSG0ENSMUSGC	938.7711	0.103747	0.085923	1.207441	0.227262	0.676705	Zfp213
ENSMUSG0ENSMUSGC	278.8322	0.00689	0.1171	0.058835	0.953084	0.992357	1700086L1
ENSMUSG0ENSMUSGC	957.0016	-0.02964	0.085631	-0.3461	0.729266	0.938791	Zfp946
ENSMUSG0ENSMUSGC	646.0395	-0.00035	0.087761	-0.00398	0.996826	0.998953	Zfp942
ENSMUSG0ENSMUSGC	395.4365	0.11868	0.100513	1.18074	0.237706	0.686674	Zfp65
ENSMUSG0ENSMUSGC	196.2449	0.060241	0.108171	0.556906	0.577592	0.891533	Zfp58
ENSMUSG0ENSMUSGC	666.6598	0.003709	0.091839	0.040381	0.967789	0.99534	2610044O1
ENSMUSG0ENSMUSGC	437.8165	-0.0537	0.14502	-0.37028	0.711173	0.935647	Bves
ENSMUSG0ENSMUSGC	245.1615	0.252435	0.112958	2.234767	0.025433	0.255032	Armc2
ENSMUSG0ENSMUSGC	1782.789	-0.05624	0.093573	-0.60104	0.547816	0.87728	Tia1
ENSMUSG0ENSMUSGC	58.62228	0.131765	0.146008	0.902454	0.366816	0.783263	Lsmem1
ENSMUSG0ENSMUSGC	317.0948	-0.0952	0.115911	-0.82128	0.411486	0.804849	Setdb2
ENSMUSG0ENSMUSGC	1222.562	-0.06966	0.099688	-0.69876	0.484703	0.848425	Tbpl1
ENSMUSG0ENSMUSGC	914.2072	0.060828	0.087583	0.694523	0.487354	0.850008	Map3k5
ENSMUSG0ENSMUSGC	1707.677	0.188705	0.109078	1.729998	0.083631	0.456096	Hpcal1
ENSMUSG0ENSMUSGC	11186.31	0.084611	0.119411	0.708567	0.478594	0.844313	Rpl23
ENSMUSG0ENSMUSGC	359.6286	0.100785	0.118293	0.851998	0.394215	0.796246	Psmg4

ENSMUSG0ENSMUSG0	2026.529	0.003276	0.091811	0.035683	0.971535	0.995539	Dtnb
ENSMUSG0ENSMUSG0	491.54	-0.17854	0.130553	-1.36755	0.171452	0.612944	1110002L0
ENSMUSG0ENSMUSG0	756.5118	-0.10518	0.101659	-1.03462	0.300846	0.739127	Zfp777
ENSMUSG0ENSMUSG0	2635.138	0.169098	0.091577	1.846512	0.064818	0.410694	Nutf2-ps1
ENSMUSG0ENSMUSG0	107.4452	0.005948	0.138115	0.043062	0.965652	0.994842	Tmem139
ENSMUSG0ENSMUSG0	5596.111	0.174397	0.097715	1.784743	0.074303	0.433148	Usmg5
ENSMUSG0ENSMUSG0	4037.312	0.084214	0.058115	1.449092	0.147312	0.578667	Pcnp
ENSMUSG0ENSMUSG0	9451.193	0.299695	0.087061	3.442359	0.000577	0.026086	Nt5dc2
ENSMUSG0ENSMUSG0	2485.924	0.12198	0.13294	0.917556	0.358851	0.776427	Akr1c19
ENSMUSG0ENSMUSG0	298.2033	0.068564	0.128875	0.532021	0.594712	0.896527	Cpa2
ENSMUSG0ENSMUSG0	134.0216	-0.14251	0.134045	-1.06314	0.287717	0.727979	Rnls
ENSMUSG0ENSMUSG0	608.1662	-0.0009	0.09248	-0.00975	0.992217	0.998539	2510002D2
ENSMUSG0ENSMUSG0	179.2141	-0.29429	0.134908	-2.18139	0.029155	0.273828	Cebpd
ENSMUSG0ENSMUSG0	17509.39	0.311372	0.100372	3.102195	0.001921	0.055436	Eef1g
ENSMUSG0ENSMUSG0	803.5573	-0.07595	0.088835	-0.8549	0.392605	0.795486	Tut1
ENSMUSG0ENSMUSG0	2848.053	-0.05595	0.066865	-0.83675	0.402731	0.799981	Mta2
ENSMUSG0ENSMUSG0	1708.71	-0.01481	0.100184	-0.14782	0.882483	0.97694	Eml3
ENSMUSG0ENSMUSG0	1283.099	-0.02439	0.085548	-0.28515	0.775531	0.950186	Rom1
ENSMUSG0ENSMUSG0	1499.123	0.04659	0.094538	0.492816	0.622142	0.907988	B3gat3
ENSMUSG0ENSMUSG0	12494.66	0.013252	0.057967	0.22861	0.819172	0.960094	Ganab
ENSMUSG0ENSMUSG0	1769.084	0.132122	0.07265	1.818615	0.06897	0.421143	Ints5
ENSMUSG0ENSMUSG0	767.5423	0.091069	0.112059	0.812693	0.416394	0.808586	1810009A1
ENSMUSG0ENSMUSG0	587.6779	0.031932	0.110428	0.28917	0.772452	0.949546	Uqcc3
ENSMUSG0ENSMUSG0	3411.111	0.107355	0.091195	1.177202	0.239115	0.687958	Ubxn1
ENSMUSG0ENSMUSG0	3689.63	0.079049	0.090009	0.878241	0.379813	0.790146	Bsc12
ENSMUSG0ENSMUSG0	1738.941	0.643639	0.094966	6.777581	1.22E-11	3.82E-08	Gng3
ENSMUSG0ENSMUSG0	6126.036	-0.0852	0.060494	-1.40839	0.159015	0.59683	Hnrnpul2
ENSMUSG0ENSMUSG0	1605.559	0.022916	0.095181	0.240762	0.809739	0.958353	Ttc9c
ENSMUSG0ENSMUSG0	155.9148	0.078389	0.107064	0.732171	0.464064	0.835711	Zbtb3
ENSMUSG0ENSMUSG0	3257.487	0.054573	0.092475	0.590141	0.555096	0.88186	Polr2g
ENSMUSG0ENSMUSG0	69.91297	-0.04313	0.145739	-0.29595	0.767271	0.948583	Snx29
ENSMUSG0ENSMUSG0	78.17905	-0.16129	0.145734	-1.10676	0.268396	0.711835	Gm960
ENSMUSG0ENSMUSG0	1150.037	0.099632	0.102437	0.972617	0.330744	0.757288	Sms
ENSMUSG0ENSMUSG0	688.2737	0.207381	0.08523	2.433201	0.014966	0.191436	Mpst
ENSMUSG0ENSMUSG0	91.37755	0.082784	0.111234	0.74423	0.456737	0.830753	Csf2rb
ENSMUSG0ENSMUSG0	422.4056	-0.21217	0.114112	-1.85932	0.062982	0.404553	Tmem28
ENSMUSG0ENSMUSG0	118.544	0.029463	0.138547	0.212655	0.831596	0.963529	Spin4
ENSMUSG0ENSMUSG0	764.5951	0.048107	0.079274	0.606843	0.543955	0.875214	Gspt2
ENSMUSG0ENSMUSG0	109.8572	0.070971	0.139303	0.509472	0.610421	0.90438	DXBay18
ENSMUSG0ENSMUSG0	565.8737	0.111794	0.113805	0.982322	0.325941	0.754354	Gm14698
ENSMUSG0ENSMUSG0	51.34952	0.048941	0.136544	0.358429	0.720022	0.936421	C230004F1
ENSMUSG0ENSMUSG0	502.2062	-0.05383	0.128979	-0.41734	0.676429	0.927788	Zhx2
ENSMUSG0ENSMUSG0	573.6166	-0.05442	0.141118	-0.38561	0.699789	0.933914	2610005L0
ENSMUSG0ENSMUSG0	6828.485	-0.09998	0.091124	-1.0972	0.272552	0.715515	6820431F2
ENSMUSG0ENSMUSG0	552.9461	-0.15336	0.087707	-1.7486	0.08036	0.447756	Apcdd1
ENSMUSG0ENSMUSG0	290.6434	-0.03538	0.094243	-0.37538	0.707378	0.934791	Ccdc112
ENSMUSG0ENSMUSG0	491.0836	0.021947	0.128275	0.171093	0.86415	0.973828	Mcc
ENSMUSG0ENSMUSG0	144.6193	-0.11909	0.127583	-0.93342	0.350604	0.772225	Lrrtm2
ENSMUSG0ENSMUSG0	36492.3	0.099426	0.095554	1.040522	0.298098	0.73658	Ppia
ENSMUSG0ENSMUSG0	70.2217	0.048738	0.144205	0.33798	0.735378	0.938791	Fndc1
ENSMUSG0ENSMUSG0	488.2888	0.182449	0.104096	1.752704	0.079653	0.4466	6720489N1
ENSMUSG0ENSMUSG0	2715.311	-0.05711	0.054754	-1.04308	0.296912	0.735512	Ccnf

ENSMUSG0ENSMUSGC	60.08267	-0.10921	0.14512	-0.75254	0.451725	0.827017	A530040E1
ENSMUSG0ENSMUSGC	2196.558	-0.02675	0.109831	-0.24357	0.807567	0.958353	Ang
ENSMUSG0ENSMUSGC	3503.122	0.157468	0.106717	1.475567	0.14006	0.570385	Sep-05
ENSMUSG0ENSMUSGC	32527.64	0.276716	0.099798	2.772751	0.005558	0.111082	Tuba1a
ENSMUSG0ENSMUSGC	270.0923	-0.07266	0.106405	-0.68288	0.494681	0.853213	Taf1a
ENSMUSG0ENSMUSGC	37.11847	-0.04059	0.139016	-0.29196	0.770316	0.949297	Klf12
ENSMUSG0ENSMUSGC	718.3122	-0.14996	0.09766	-1.53554	0.124651	0.539575	Nanos1
ENSMUSG0ENSMUSGC	366.6347	-0.14755	0.088668	-1.66403	0.096105	0.48614	Ppp1r3e
ENSMUSG0ENSMUSGC	2186.456	-0.06418	0.107707	-0.59589	0.551248	0.880268	Phf20l1
ENSMUSG0ENSMUSGC	411.5232	-0.2236	0.140344	-1.5932	0.111115	0.515541	Fam84b
ENSMUSG0ENSMUSGC	42.46113	-0.08038	0.145259	-0.55335	0.580023	0.892779	Slc39a2
ENSMUSG0ENSMUSGC	1493.125	0.142019	0.077964	1.821595	0.068516	0.420891	Pthr2
ENSMUSG0ENSMUSGC	1261.428	0.09297	0.127454	0.729445	0.465729	0.836748	Zfp9
ENSMUSG0ENSMUSGC	524.1969	0.001161	0.140006	0.008292	0.993384	0.998539	Lym9
ENSMUSG0ENSMUSGC	119.3397	-0.06162	0.124058	-0.49667	0.619423	0.907335	Adam1a
ENSMUSG0ENSMUSGC	289.3851	0.082155	0.1395	0.588928	0.555909	0.88219	Tmem254a
ENSMUSG0ENSMUSGC	320.3809	-0.02091	0.122858	-0.17023	0.864827	0.973828	Tmem254c
ENSMUSG0ENSMUSGC	1245.711	0.08233	0.110357	0.746036	0.455646	0.829671	Rpl37rt
ENSMUSG0ENSMUSGC	1247.727	0.051778	0.1292	0.400756	0.6886	0.931407	1500011B0
ENSMUSG0ENSMUSGC	3192.537	0.067266	0.083764	0.803041	0.421951	0.812478	Smim10l1
ENSMUSG0ENSMUSGC	200.4055	-0.01684	0.142004	-0.11856	0.905622	0.982338	Myo18b
ENSMUSG0ENSMUSGC	54.50016	-0.05776	0.144118	-0.40081	0.688563	0.931407	Gm10044
ENSMUSG0ENSMUSGC	327.572	0.22796	0.088492	2.576057	0.009993	0.15319	4930522L1
ENSMUSG0ENSMUSGC	207.3618	0.02738	0.104462	0.262103	0.793242	0.955329	5430403G1
ENSMUSG0ENSMUSGC	49.38198	-0.21564	0.140643	-1.53326	0.125213	0.541099	Gm10419
ENSMUSG0ENSMUSGC	98.6682	-0.19409	0.138759	-1.39874	0.16189	0.601189	Acrbp
ENSMUSG0ENSMUSGC	2871.637	-0.04229	0.112679	-0.37534	0.707411	0.934791	Grcc10
ENSMUSG0ENSMUSGC	216.0561	-0.13133	0.115673	-1.13534	0.256232	0.702061	Zfp951
ENSMUSG0ENSMUSGC	59.10212	-0.07985	0.144176	-0.55384	0.579687	0.892779	9330160F1
ENSMUSG0ENSMUSGC	4379.532	-0.01715	0.103189	-0.16625	0.867964	0.974473	Cep170b
ENSMUSG0ENSMUSGC	62.97207	-0.21238	0.142073	-1.49488	0.134947	0.560073	G5300110C
ENSMUSG0ENSMUSGC	413.0414	0.003814	0.083331	0.045769	0.963494	0.994289	A530017D2
ENSMUSG0ENSMUSGC	2529.038	-0.20008	0.102253	-1.95676	0.050376	0.362811	Rybp
ENSMUSG0ENSMUSGC	52.77664	-0.1128	0.141388	-0.79782	0.424975	0.814227	Gm10433
ENSMUSG0ENSMUSGC	1987.737	0.068351	0.081893	0.834635	0.403923	0.800157	Nfxl1
ENSMUSG0ENSMUSGC	423.0925	-0.27776	0.118003	-2.35381	0.018582	0.215052	4933439C1
ENSMUSG0ENSMUSGC	662.0694	-0.13774	0.092145	-1.49483	0.134959	0.560073	Gm12258
ENSMUSG0ENSMUSGC	48.75703	-0.07104	0.144893	-0.49026	0.623948	0.907988	Gm15107
ENSMUSG0ENSMUSGC	304.8681	-0.03374	0.145991	-0.23113	0.817214	0.959822	Gm10443
ENSMUSG0ENSMUSGC	194.168	-0.0924	0.117533	-0.78616	0.431773	0.816305	Sod3
ENSMUSG0ENSMUSGC	1650.051	0.046938	0.060396	0.777161	0.437064	0.819028	Ptgr2
ENSMUSG0ENSMUSGC	172.8226	0.151413	0.14601	1.037006	0.299733	0.737987	Tmsb15l
ENSMUSG0ENSMUSGC	2388.619	0.196154	0.085673	2.289583	0.022046	0.236668	Bhlhb9
ENSMUSG0ENSMUSGC	499.1523	0.298965	0.111783	2.674505	0.007484	0.131194	Gprasp2
ENSMUSG0ENSMUSGC	367.4404	0.028308	0.114756	0.246678	0.805158	0.957779	Armxc5
ENSMUSG0ENSMUSGC	686.5715	0.120489	0.09982	1.207063	0.227408	0.676705	Oip5
ENSMUSG0ENSMUSGC	76.48229	0.080102	0.145989	0.548687	0.58322	0.892957	Uprt
ENSMUSG0ENSMUSGC	46.6537	-0.02048	0.053429	-0.38326	0.701525	0.934077	Zxda
ENSMUSG0ENSMUSGC	1284.169	0.160341	0.117546	1.364075	0.172544	0.614219	Zxdb
ENSMUSG0ENSMUSGC	2901.928	-0.00938	0.089637	-0.10469	0.916623	0.984548	Srp54a
ENSMUSG0ENSMUSGC	445.0016	-0.10244	0.101155	-1.01266	0.31122	0.745298	Lrrc61
ENSMUSG0ENSMUSGC	120.2269	-0.05219	0.130396	-0.40024	0.688982	0.931451	Xlr3b

ENSMUSG0ENSMUSG0	4935.379	0.087006	0.112049	0.7765	0.437454	0.819028	Vma21
ENSMUSG0ENSMUSG0	2097.127	0.004996	0.082554	0.060521	0.951741	0.99204	Tmem185a
ENSMUSG0ENSMUSG0	972.0689	-0.1027	0.091644	-1.12061	0.262454	0.705745	5031425E2
ENSMUSG0ENSMUSG0	1025.858	-0.00588	0.100456	-0.05858	0.953288	0.992357	1810058124
ENSMUSG0ENSMUSG0	211.2084	0.037251	0.105712	0.35238	0.724553	0.937933	Zfp449
ENSMUSG0ENSMUSG0	310.1813	0.073355	0.12588	0.582743	0.560067	0.883939	Gm773
ENSMUSG0ENSMUSG0	184.7109	-0.19607	0.111609	-1.75676	0.078959	0.445187	2500004C0
ENSMUSG0ENSMUSG0	1004.817	-0.03447	0.058863	-0.58556	0.558171	0.882863	Nudt10
ENSMUSG0ENSMUSG0	2961.164	0.097196	0.12677	0.766712	0.443253	0.822591	Nudt11
ENSMUSG0ENSMUSG0	248.3791	-0.2	0.110542	-1.80926	0.070411	0.424337	C030034121
ENSMUSG0ENSMUSG0	492.341	-0.08694	0.146011	-0.59543	0.551555	0.880268	H2-Q6
ENSMUSG0ENSMUSG0	14220.3	-0.09014	0.108242	-0.8328	0.404957	0.800985	H2-D1
ENSMUSG0ENSMUSG0	47.19921	0.06678	0.131672	0.507167	0.612037	0.904589	Lst1
ENSMUSG0ENSMUSG0	160.1685	0.092908	0.114696	0.810035	0.41792	0.810092	Gm10501
ENSMUSG0ENSMUSG0	904.3376	0.134168	0.087666	1.530451	0.125905	0.542196	H2-Ke6
ENSMUSG0ENSMUSG0	896.826	0.097696	0.095118	1.02711	0.304369	0.739861	Zfp414
ENSMUSG0ENSMUSG0	129.6334	-0.19503	0.137109	-1.42245	0.154894	0.592119	Gm4924
ENSMUSG0ENSMUSG0	940.0638	-0.02972	0.101017	-0.2942	0.768604	0.949005	Arhgdig
ENSMUSG0ENSMUSG0	5029.255	0.071997	0.108889	0.6612	0.508484	0.858926	Wdr90
ENSMUSG0ENSMUSG0	793.4353	0.101266	0.11301	0.896081	0.37021	0.785063	Nme3
ENSMUSG0ENSMUSG0	1390.034	-0.0805	0.094935	-0.84798	0.396452	0.797241	Eme2
ENSMUSG0ENSMUSG0	95.93607	-0.11799	0.132322	-0.8917	0.372556	0.786598	D330041HC
ENSMUSG0ENSMUSG0	502.9667	-0.02877	0.109707	-0.26227	0.793113	0.955329	Sft2d1
ENSMUSG0ENSMUSG0	1818.876	-0.0216	0.08503	-0.25405	0.799454	0.956574	Rsph3a
ENSMUSG0ENSMUSG0	87.64805	-0.10657	0.139701	-0.76288	0.445535	0.82397	D730003111
ENSMUSG0ENSMUSG0	1504.436	-0.11785	0.126775	-0.9296	0.352578	0.773559	Mar-02
ENSMUSG0ENSMUSG0	44.6737	-0.09419	0.137914	-0.68293	0.494649	0.853213	H3f3aos
ENSMUSG0ENSMUSG0	63.62808	0.115064	0.138934	0.828195	0.40756	0.802351	Ifi213
ENSMUSG0ENSMUSG0	4729.825	0.008532	0.135218	0.063097	0.949689	0.991323	Pappa2
ENSMUSG0ENSMUSG0	36.70832	0.010127	0.139544	0.072572	0.942147	0.98867	E330020D1
ENSMUSG0ENSMUSG0	1471.19	0.001823	0.092689	0.019669	0.984307	0.997439	Cep76
ENSMUSG0ENSMUSG0	1228.055	-0.00836	0.104376	-0.08008	0.936173	0.986886	Ppp1r12b
ENSMUSG0ENSMUSG0	1485.021	-0.04163	0.067447	-0.61724	0.537076	0.873009	Csnk1g3
ENSMUSG0ENSMUSG0	110.5377	0.177994	0.139735	1.27379	0.202738	0.65035	3222401L11
ENSMUSG0ENSMUSG0	321.2729	-0.01133	0.109273	-0.10365	0.917448	0.984548	Pcdhb22
ENSMUSG0ENSMUSG0	701.7945	0.160619	0.108508	1.480248	0.138807	0.566965	Prob1
ENSMUSG0ENSMUSG0	750.8039	0.019611	0.083847	0.233896	0.815066	0.959419	D2hgdh
ENSMUSG0ENSMUSG0	2230.505	0.112391	0.114895	0.978202	0.327974	0.754804	Cops9
ENSMUSG0ENSMUSG0	59.55287	0.069321	0.144391	0.480089	0.631164	0.911457	C130036L2
ENSMUSG0ENSMUSG0	53.40808	-0.00713	0.143566	-0.04967	0.960389	0.993924	Gm10552
ENSMUSG0ENSMUSG0	115.0119	0.040401	0.14585	0.277006	0.781775	0.951693	Fbxo36
ENSMUSG0ENSMUSG0	3334.443	0.080131	0.073378	1.092031	0.27482	0.716894	Rab18
ENSMUSG0ENSMUSG0	7577.574	0.08965	0.100339	0.893479	0.371601	0.78587	Rpl27-ps3
ENSMUSG0ENSMUSG0	872.0484	-0.04428	0.122767	-0.36069	0.71833	0.935997	Wdfy1
ENSMUSG0ENSMUSG0	53.90028	-0.10546	0.143338	-0.73573	0.461895	0.833916	Gm10557
ENSMUSG0ENSMUSG0	750.1785	0.055371	0.09896	0.559533	0.575798	0.890536	Nbeal1
ENSMUSG0ENSMUSG0	3120.098	0.235023	0.113603	2.068814	0.038564	0.31938	Hspe1
ENSMUSG0ENSMUSG0	3604.044	0.258559	0.111385	2.321313	0.02027	0.22529	Pgap1
ENSMUSG0ENSMUSG0	50.27284	-0.10885	0.142674	-0.76296	0.445488	0.82397	Tmem88b
ENSMUSG0ENSMUSG0	946.728	-0.05384	0.093851	-0.57366	0.5662	0.887314	Faap20
ENSMUSG0ENSMUSG0	885.5363	-0.2705	0.125857	-2.14925	0.031614	0.285727	Klhl21
ENSMUSG0ENSMUSG0	6730.667	0.151212	0.107008	1.413097	0.157627	0.596629	Rpl31

ENSMUSG0ENSMUSG0	355.1193	0.184069	0.124879	1.473977	0.140488	0.570811	Cenps
ENSMUSG0ENSMUSG0	1656.763	-0.13759	0.110992	-1.23968	0.215095	0.666012	Lmbrd1
ENSMUSG0ENSMUSG0	49.53665	0.193037	0.139632	1.382472	0.166827	0.605806	Rsg1
ENSMUSG0ENSMUSG0	380.4403	0.070839	0.144462	0.490365	0.623875	0.907988	5730409E0
ENSMUSG0ENSMUSG0	522.1675	0.03644	0.103173	0.353191	0.723945	0.937852	Sh3d21
ENSMUSG0ENSMUSG0	115.9386	0.044034	0.146006	0.301593	0.762962	0.946679	4933427104
ENSMUSG0ENSMUSG0	71.3532	-0.18939	0.140174	-1.35113	0.176653	0.619699	Btbd19
ENSMUSG0ENSMUSG0	802.7112	0.063407	0.091516	0.692854	0.488401	0.850258	Kti12
ENSMUSG0ENSMUSG0	242.2337	-0.11968	0.091489	-1.30812	0.190833	0.638189	Efcab7
ENSMUSG0ENSMUSG0	1351.253	-0.36345	0.102807	-3.53527	0.000407	0.020863	Alg6
ENSMUSG0ENSMUSG0	632.0028	-0.03235	0.086779	-0.37278	0.70931	0.934929	Cdkn2b
ENSMUSG0ENSMUSG0	2965.324	0.172287	0.075609	2.27865	0.022688	0.240111	Tufm
ENSMUSG0ENSMUSG0	60.13825	-0.18295	0.142529	-1.28362	0.199273	0.646372	Iqck
ENSMUSG0ENSMUSG0	430.0873	0.148809	0.098954	1.50383	0.132625	0.555041	Ccl27a
ENSMUSG0ENSMUSG0	116.7644	-0.30228	0.143737	-2.10299	0.035467	0.304487	Il11ra1
ENSMUSG0ENSMUSG0	108.9477	-0.05637	0.145556	-0.38728	0.698548	0.933691	Olfr472
ENSMUSG0ENSMUSG0	36.60375	-0.04884	0.145978	-0.33459	0.737931	0.939958	Olfr552
ENSMUSG0ENSMUSG0	769.2119	0.439086	0.088594	4.956163	7.19E-07	0.000224	Rhog
ENSMUSG0ENSMUSG0	1193.313	-0.20181	0.099288	-2.03263	0.04209	0.33254	Ggh
ENSMUSG0ENSMUSG0	90.47435	-0.05265	0.144445	-0.36453	0.715464	0.935647	4632427E1
ENSMUSG0ENSMUSG0	758.1074	0.069443	0.069784	0.995105	0.319685	0.750611	Exoc8
ENSMUSG0ENSMUSG0	60.18477	0.01543	0.14442	0.10684	0.914916	0.984248	49305200C
ENSMUSG0ENSMUSG0	79.23072	0.051447	0.143667	0.3581	0.720269	0.936468	Osgin1
ENSMUSG0ENSMUSG0	867.8726	-0.40715	0.095644	-4.25698	2.07E-05	0.002495	Mlycd
ENSMUSG0ENSMUSG0	768.3526	-0.14347	0.083253	-1.72329	0.084835	0.459517	Snrnp40
ENSMUSG0ENSMUSG0	1119.538	-0.17708	0.118253	-1.49747	0.134272	0.558569	Svip
ENSMUSG0ENSMUSG0	2345.155	-0.08209	0.063561	-1.29155	0.196515	0.643195	Rbm15b
ENSMUSG0ENSMUSG0	24759.36	0.130422	0.107523	1.212961	0.225145	0.67493	Rpl13a
ENSMUSG0ENSMUSG0	51.91258	0.258581	0.143239	1.805242	0.071037	0.425044	4930513N1
ENSMUSG0ENSMUSG0	61.79517	-0.32474	0.144306	-2.25034	0.024427	0.249486	Nlrc5
ENSMUSG0ENSMUSG0	225.58	0.02249	0.136455	0.164813	0.869091	0.974861	Zfp976
ENSMUSG0ENSMUSG0	824.1853	-0.03633	0.100855	-0.36019	0.718704	0.936138	Zfp788
ENSMUSG0ENSMUSG0	181.53	0.137074	0.118473	1.157004	0.247271	0.695372	AW146154
ENSMUSG0ENSMUSG0	197.1555	-0.14273	0.124783	-1.14385	0.252685	0.698438	Plekhf1
ENSMUSG0ENSMUSG0	460.7996	0.168868	0.115639	1.460303	0.144207	0.573946	Znhit6
ENSMUSG0ENSMUSG0	202.1773	-0.0206	0.099425	-0.20721	0.835849	0.965089	Zfp791
ENSMUSG0ENSMUSG0	39.73352	-0.07801	0.144947	-0.53819	0.590445	0.895584	Adh6b
ENSMUSG0ENSMUSG0	5697.832	0.09278	0.12996	0.713911	0.475282	0.842415	Adh1
ENSMUSG0ENSMUSG0	749.4272	-0.17422	0.112073	-1.55449	0.120067	0.532316	Sdhaf1
ENSMUSG0ENSMUSG0	1994.34	0.094904	0.111172	0.853673	0.393286	0.795486	Dnajb14
ENSMUSG0ENSMUSG0	124.4617	-0.12756	0.122941	-1.03758	0.299464	0.737987	Gm10643
ENSMUSG0ENSMUSG0	500.0242	0.031142	0.145623	0.21385	0.830664	0.963218	2210011C2
ENSMUSG0ENSMUSG0	369.3422	0.135836	0.142118	0.955795	0.339176	0.762234	Cox7a1
ENSMUSG0ENSMUSG0	97.13322	0.272413	0.133743	2.036842	0.041666	0.331123	Gm10644
ENSMUSG0ENSMUSG0	188.031	0.077097	0.135165	0.570394	0.56841	0.888146	Zfp382
ENSMUSG0ENSMUSG0	2417.359	-0.02763	0.091337	-0.30247	0.762293	0.946661	Zfp568
ENSMUSG0ENSMUSG0	7823.933	0.053007	0.099741	0.53145	0.595107	0.896659	Spint2
ENSMUSG0ENSMUSG0	1635.443	-0.06028	0.082116	-0.73413	0.462871	0.83498	Ap1ar
ENSMUSG0ENSMUSG0	103.6944	0.197727	0.142021	1.392235	0.163851	0.603036	Cib3
ENSMUSG0ENSMUSG0	4301.867	0.043138	0.089342	0.482839	0.62921	0.910993	Dda1
ENSMUSG0ENSMUSG0	139.5941	-0.14641	0.141861	-1.03205	0.302047	0.739759	Gramd2
ENSMUSG0ENSMUSG0	48.10516	0.037659	0.134497	0.279996	0.77948	0.951422	Amy1

ENSMUSG0ENSMUSG0	2226.339	-0.59837	0.13778	-4.34294	1.41E-05	0.001862	Ceacam1
ENSMUSG0ENSMUSG0	50.20464	0.015807	0.144153	0.109655	0.912683	0.983954	Phldb3
ENSMUSG0ENSMUSG0	210.2876	-0.02014	0.11167	-0.18034	0.856885	0.971767	Zfp94
ENSMUSG0ENSMUSG0	61.90307	-0.05177	0.14462	-0.35798	0.720355	0.936474	Zfp109
ENSMUSG0ENSMUSG0	352.8168	0.029266	0.103632	0.282401	0.777636	0.950382	Peak1
ENSMUSG0ENSMUSG0	62.87225	-0.05407	0.129025	-0.41909	0.675148	0.927604	Ovgp1
ENSMUSG0ENSMUSG0	447.0769	0.052756	0.118752	0.444252	0.65686	0.921231	Ccdc61
ENSMUSG0ENSMUSG0	40.66307	-0.01252	0.144663	-0.08654	0.931035	0.986301	Psg23
ENSMUSG0ENSMUSG0	1070.543	-0.11218	0.084239	-1.33168	0.182967	0.629886	Zfp865
ENSMUSG0ENSMUSG0	605.3671	0.011887	0.101028	0.117657	0.90634	0.982338	Zfp628
ENSMUSG0ENSMUSG0	77.23288	-0.0122	0.143895	-0.08482	0.932406	0.986608	Gm15417
ENSMUSG0ENSMUSG0	1767.319	0.141826	0.083273	1.703139	0.088542	0.469101	Spc24
ENSMUSG0ENSMUSG0	191.492	-0.0852	0.118303	-0.72018	0.471417	0.840864	Mex3a
ENSMUSG0ENSMUSG0	42.54635	-0.14046	0.145618	-0.96454	0.334774	0.759008	Bglap3
ENSMUSG0ENSMUSG0	56.86249	0.06258	0.145975	0.428702	0.66814	0.925067	A430078G2
ENSMUSG0ENSMUSG0	55.74501	0.021278	0.082399	0.258235	0.796225	0.955634	Gm10705
ENSMUSG0ENSMUSG0	2929.074	0.11952	0.088538	1.349926	0.17704	0.619699	Arfip1
ENSMUSG0ENSMUSG0	91.72934	0.253154	0.131249	1.928805	0.053755	0.375415	Zfp971
ENSMUSG0ENSMUSG0	118.0101	0.04301	0.127247	0.338003	0.735361	0.938791	Gm14327
ENSMUSG0ENSMUSG0	733.8545	0.080568	0.081213	0.992054	0.321171	0.751482	Gm14296
ENSMUSG0ENSMUSG0	86.42067	0.10625	0.13221	0.803643	0.421603	0.812159	Zfp972
ENSMUSG0ENSMUSG0	291.4845	0.036474	0.122938	0.296689	0.766704	0.94842	Mocs3
ENSMUSG0ENSMUSG0	613.1689	0.054858	0.139161	0.394205	0.69343	0.932409	Zfas1
ENSMUSG0ENSMUSG0	59.3602	-0.20643	0.143325	-1.44031	0.14978	0.582981	Lekr1
ENSMUSG0ENSMUSG0	3392.339	0.104113	0.109837	0.947886	0.343188	0.765528	Arfgef2
ENSMUSG0ENSMUSG0	46.02807	-0.04128	0.145641	-0.28345	0.77683	0.950382	Tldc2
ENSMUSG0ENSMUSG0	118.7497	-0.15696	0.133254	-1.1779	0.238835	0.687957	Tmem267
ENSMUSG0ENSMUSG0	79.63433	-0.25868	0.142941	-1.8097	0.070343	0.424309	3110070M
ENSMUSG0ENSMUSG0	1119.129	0.126675	0.117343	1.079529	0.280352	0.721499	Cpne1
ENSMUSG0ENSMUSG0	1826.895	0.067126	0.133692	0.502093	0.615602	0.906204	BC029722
ENSMUSG0ENSMUSG0	105.5624	0.089462	0.140726	0.635715	0.524962	0.868032	Myh7b
ENSMUSG0ENSMUSG0	5611.19	0.131996	0.113409	1.163895	0.244467	0.692474	Eif2s2
ENSMUSG0ENSMUSG0	775.957	0.110499	0.096193	1.148722	0.250671	0.697484	Kif5a
ENSMUSG0ENSMUSG0	97.7766	0.219437	0.126239	1.73826	0.082165	0.452907	Ttll9
ENSMUSG0ENSMUSG0	2460.864	0.0077	0.064441	0.11949	0.904887	0.982338	Csnk2a1
ENSMUSG0ENSMUSG0	382.392	-0.36567	0.144995	-2.52197	0.01167	0.167682	Ccl28
ENSMUSG0ENSMUSG0	923.8759	-0.10644	0.083284	-1.27805	0.201232	0.648578	Zfp950
ENSMUSG0ENSMUSG0	1005.703	-0.08667	0.090364	-0.9591	0.337508	0.760159	Fndc10
ENSMUSG0ENSMUSG0	3145.45	0.020555	0.08075	0.254546	0.799073	0.956498	Pdzd8
ENSMUSG0ENSMUSG0	4516.972	0.129921	0.053867	2.411872	0.015871	0.197553	Atxn7l3b
ENSMUSG0ENSMUSG0	973.4864	0.027605	0.104214	0.264889	0.791095	0.954487	Kiz
ENSMUSG0ENSMUSG0	480.6149	0.077341	0.116341	0.664778	0.506192	0.858351	Smim26
ENSMUSG0ENSMUSG0	76.27723	0.032391	0.145997	0.22186	0.824423	0.961947	Ism1
ENSMUSG0ENSMUSG0	4777.603	0.087328	0.090462	0.965352	0.334368	0.759008	Ube2n
ENSMUSG0ENSMUSG0	687.7333	0.028474	0.132767	0.214468	0.830182	0.963218	Arrdc3
ENSMUSG0ENSMUSG0	81.30287	-0.55128	0.132401	-4.16375	3.13E-05	0.003426	Slc4a11
ENSMUSG0ENSMUSG0	2380.062	0.046276	0.081433	0.568268	0.569853	0.888936	Itpa
ENSMUSG0ENSMUSG0	989.6549	-0.1396	0.107279	-1.30132	0.193148	0.639447	Gas2l3
ENSMUSG0ENSMUSG0	136.0756	0.19415	0.138285	1.403984	0.160323	0.599011	Gm10762
ENSMUSG0ENSMUSG0	377.7606	-0.02289	0.100382	-0.22799	0.819655	0.960195	Hps6
ENSMUSG0ENSMUSG0	69.81527	0.050403	0.145996	0.345237	0.729916	0.938791	Pdzd7
ENSMUSG0ENSMUSG0	65.34643	0.090208	0.131873	0.684049	0.493944	0.852929	Rslcan18

ENSMUSG0ENSMUSGC	200.6254	0.103037	0.110122	0.935659	0.349449	0.771314	Itpripl1
ENSMUSG0ENSMUSGC	53.13802	0.136761	0.145934	0.937145	0.348684	0.770644	Gm10767
ENSMUSG0ENSMUSGC	241.5713	-0.01002	0.114725	-0.08737	0.930376	0.985993	2010315B0
ENSMUSG0ENSMUSGC	113.4224	-0.13359	0.134836	-0.99076	0.321801	0.751751	BC025920
ENSMUSG0ENSMUSGC	291.3035	-0.00067	0.11898	-0.00561	0.99552	0.998655	Platr25
ENSMUSG0ENSMUSGC	239.1227	0.057508	0.11476	0.501118	0.616288	0.906462	Zfp934
ENSMUSG0ENSMUSGC	287.8719	0.014696	0.139212	0.105566	0.915927	0.984548	Zfp808
ENSMUSG0ENSMUSGC	377.0085	0.05991	0.109726	0.545995	0.58507	0.893377	Al606181
ENSMUSG0ENSMUSGC	64.13848	-0.07823	0.089972	-0.86945	0.384603	0.791652	Spta5l1
ENSMUSG0ENSMUSGC	12016.57	0.211062	0.104187	2.025791	0.042786	0.333872	Serf2
ENSMUSG0ENSMUSGC	1999.604	-0.04853	0.069264	-0.70067	0.483507	0.847748	Grk6
ENSMUSG0ENSMUSGC	720.1251	-0.09832	0.073439	-1.33884	0.180622	0.625809	Lcmt2
ENSMUSG0ENSMUSGC	3467.992	-0.17453	0.102522	-1.70241	0.088678	0.469317	B3galt5
ENSMUSG0ENSMUSGC	50.60754	0.174069	0.133978	1.29923	0.193865	0.639447	Ifit3
ENSMUSG0ENSMUSGC	265.4276	0.122207	0.117784	1.037547	0.299481	0.737987	Sptbn5
ENSMUSG0ENSMUSGC	1069.11	0.149284	0.083245	1.793308	0.072924	0.430934	Ranbp6
ENSMUSG0ENSMUSGC	186.4438	0.013914	0.118536	0.117384	0.906555	0.982338	Chst14
ENSMUSG0ENSMUSGC	1010.669	-0.26332	0.093625	-2.81249	0.004916	0.102353	Inafm2
ENSMUSG0ENSMUSGC	1294.37	-0.10012	0.078895	-1.26897	0.204453	0.65256	Fam122a
ENSMUSG0ENSMUSGC	448.1663	-0.38259	0.114538	-3.34032	0.000837	0.033093	Pak6
ENSMUSG0ENSMUSGC	78.29457	0.192655	0.136952	1.406738	0.159505	0.597563	Ptar1
ENSMUSG0ENSMUSGC	918.6948	-0.27381	0.145966	-1.87582	0.06068	0.396828	Grem1
ENSMUSG0ENSMUSGC	72.76557	-0.57059	0.145882	-3.91131	9.18E-05	0.007655	Ano3
ENSMUSG0ENSMUSGC	990.9505	-0.09278	0.132421	-0.70065	0.483521	0.847748	Qser1
ENSMUSG0ENSMUSGC	641.6202	-0.14736	0.112667	-1.30795	0.190892	0.638189	Nrbf2
ENSMUSG0ENSMUSGC	254.6265	-0.22955	0.144788	-1.58543	0.112869	0.518563	Mir670hg
ENSMUSG0ENSMUSGC	121.196	-0.14102	0.118625	-1.18878	0.234525	0.68322	Prdm11
ENSMUSG0ENSMUSGC	161.784	-0.24617	0.106619	-2.30884	0.020953	0.229472	Nxpe3
ENSMUSG0ENSMUSGC	413.223	-0.13345	0.1122	-1.18939	0.234286	0.68322	Zfp408
ENSMUSG0ENSMUSGC	875.9807	0.074903	0.064327	1.164409	0.244258	0.692031	Yae1d1
ENSMUSG0ENSMUSGC	79.61827	-0.05096	0.140424	-0.36293	0.716654	0.93588	Olf1173
ENSMUSG0ENSMUSGC	260.9855	0.179032	0.145682	1.228928	0.219099	0.669212	Olf1055
ENSMUSG0ENSMUSGC	200.4987	-0.20221	0.123952	-1.63137	0.102813	0.499383	Ccdc162
ENSMUSG0ENSMUSGC	726.5354	-0.08221	0.11243	-0.73124	0.464633	0.835901	Znhit2
ENSMUSG0ENSMUSGC	747.7649	0.079231	0.141776	0.558844	0.576268	0.890536	Ccdc58
ENSMUSG0ENSMUSGC	5677.622	0.213438	0.097286	2.193918	0.028241	0.269609	Amd1
ENSMUSG0ENSMUSGC	2032.819	0.225482	0.130167	1.732246	0.08323	0.455638	Heg1
ENSMUSG0ENSMUSGC	267.4393	-0.14588	0.099451	-1.46683	0.142423	0.571875	Cerkl
ENSMUSG0ENSMUSGC	1143.428	0.188685	0.105658	1.785816	0.074129	0.433063	Cenpw
ENSMUSG0ENSMUSGC	148.3299	0.045193	0.110549	0.408807	0.682681	0.930231	Ttc30a1
ENSMUSG0ENSMUSGC	246.2636	-0.22362	0.093669	-2.38732	0.016971	0.203528	Ttc30b
ENSMUSG0ENSMUSGC	1087.472	0.055244	0.11932	0.462988	0.643373	0.914944	Mrpl23-ps1
ENSMUSG0ENSMUSGC	150.751	-0.17402	0.131441	-1.32394	0.185522	0.631891	Wipf1
ENSMUSG0ENSMUSGC	42.64056	-0.12857	0.14585	-0.88149	0.378053	0.788987	Carns1
ENSMUSG0ENSMUSGC	569.0286	-0.16878	0.135129	-1.24902	0.211656	0.661031	Scn9a
ENSMUSG0ENSMUSGC	46.03123	0.032826	0.14019	0.234157	0.814863	0.959419	Scn2a
ENSMUSG0ENSMUSGC	375.1844	-0.0566	0.083917	-0.6745	0.49999	0.855088	Zbtb2
ENSMUSG0ENSMUSGC	2902.486	0.166499	0.090653	1.836661	0.06626	0.413684	Rc3h2
ENSMUSG0ENSMUSGC	119.9803	0.018153	0.13502	0.134444	0.893051	0.979424	2810410L2
ENSMUSG0ENSMUSGC	1034.68	0.022363	0.098455	0.227135	0.820318	0.9604	Fnbp1
ENSMUSG0ENSMUSGC	1029.121	0.08361	0.075042	1.11417	0.265206	0.708436	Dolk
ENSMUSG0ENSMUSGC	108.4191	-0.14133	0.144559	-0.97769	0.32823	0.755024	4930594M

ENSMUSG0ENSMUSG0	1250.173	0.132951	0.10927	1.216721	0.22371	0.673605	Dnlz
ENSMUSG0ENSMUSG0	780.0177	0.031672	0.136105	0.232705	0.815991	0.959674	Alg10b
ENSMUSG0ENSMUSG0	309.5183	0.001497	0.097438	0.015362	0.987744	0.998385	Slitrk1
ENSMUSG0ENSMUSG0	1069.656	0.013252	0.085248	0.155455	0.876463	0.976102	Commdd6
ENSMUSG0ENSMUSG0	260.3488	0.207351	0.102012	2.032617	0.042091	0.33254	Kbtbd6
ENSMUSG0ENSMUSG0	270.4237	0.229025	0.134899	1.697747	0.089556	0.471481	1700001L0!
ENSMUSG0ENSMUSG0	108.9239	-0.06728	0.135222	-0.49756	0.618792	0.907335	Gm13375
ENSMUSG0ENSMUSG0	1655.438	-0.03891	0.098231	-0.39612	0.692016	0.931991	Aarsd1
ENSMUSG0ENSMUSG0	54.64368	0.229648	0.135827	1.690741	0.090886	0.474214	Gm12359
ENSMUSG0ENSMUSG0	445.3725	-0.16707	0.131947	-1.26617	0.205453	0.653568	6330403L0!
ENSMUSG0ENSMUSG0	214.0764	-0.29014	0.126532	-2.29302	0.021847	0.235508	Nrbp2
ENSMUSG0ENSMUSG0	1861.877	-0.04037	0.077958	-0.51781	0.604593	0.901763	Zfp652
ENSMUSG0ENSMUSG0	2325.936	0.025026	0.102745	0.243578	0.807557	0.958353	Zc3h3
ENSMUSG0ENSMUSG0	9334.359	-0.04194	0.069441	-0.6039	0.545911	0.876016	Selenot
ENSMUSG0ENSMUSG0	2548.097	0.104779	0.098166	1.067367	0.285806	0.726542	Selenos
ENSMUSG0ENSMUSG0	2691.834	0.082327	0.145301	0.566599	0.570987	0.889335	Selenom
ENSMUSG0ENSMUSG0	1622.042	0.171149	0.106769	1.602978	0.10894	0.511844	Selenoi
ENSMUSG0ENSMUSG0	703.0924	0.10611	0.08326	1.274438	0.202508	0.650197	Txnrd2
ENSMUSG0ENSMUSG0	806.1054	0.008177	0.099854	0.081893	0.934732	0.986608	Msrbl
ENSMUSG0ENSMUSG0	6714.926	-0.01938	0.10793	-0.17959	0.857475	0.971994	Gpx4
ENSMUSG0ENSMUSG0	1009.322	0.05585	0.117689	0.474555	0.635104	0.912468	Gm23935
ENSMUSG0ENSMUSG0	1009.322	0.05585	0.117689	0.474555	0.635104	0.912468	Gm24270
ENSMUSG0ENSMUSG0	935.563	-0.22444	0.098242	-2.28457	0.022338	0.238493	Sox4
ENSMUSG0ENSMUSG0	18961.41	0.019843	0.089278	0.222261	0.824111	0.961935	Ywhaq
ENSMUSG0ENSMUSG0	62.89724	0.133957	0.144165	0.929189	0.352791	0.773559	Acsf2
ENSMUSG0ENSMUSG0	1739.162	0.052795	0.138585	0.38096	0.703233	0.934077	Selenoh
ENSMUSG0ENSMUSG0	2662.898	0.200328	0.110433	1.814024	0.069674	0.422756	Ass1
ENSMUSG0ENSMUSG0	3847.593	-0.05975	0.065016	-0.91895	0.358121	0.776143	Rab11b
ENSMUSG0ENSMUSG0	75.40239	-0.26812	0.145811	-1.83881	0.065943	0.413509	Gm16485
ENSMUSG0ENSMUSG0	1045.161	0.100086	0.126153	0.793369	0.427563	0.814832	Erich3
ENSMUSG0ENSMUSG0	1794.063	-0.17279	0.12986	-1.33056	0.183334	0.630133	Chml
ENSMUSG0ENSMUSG0	2870.177	0.130057	0.116819	1.113319	0.265571	0.708961	Gm2000
ENSMUSG0ENSMUSG0	387.5948	0.013743	0.108314	0.126878	0.899037	0.981094	Tmem203
ENSMUSG0ENSMUSG0	436.162	-0.09281	0.086156	-1.07723	0.28138	0.722058	Nrarp
ENSMUSG0ENSMUSG0	91.06186	0.03985	0.146006	0.272934	0.784904	0.953194	Klhdc7a
ENSMUSG0ENSMUSG0	105.8026	0.062344	0.122284	0.509832	0.610169	0.904227	Airn
ENSMUSG0ENSMUSG0	560.4065	-0.22649	0.133834	-1.69234	0.090581	0.473414	AI593442
ENSMUSG0ENSMUSG0	1216.775	-0.16736	0.102276	-1.63633	0.10177	0.497207	F8a
ENSMUSG0ENSMUSG0	2122.995	0.070755	0.111512	0.63451	0.525748	0.868304	Sf3b5
ENSMUSG0ENSMUSG0	75.84536	-0.04652	0.140169	-0.33191	0.739954	0.940232	AW011738
ENSMUSG0ENSMUSG0	88.71027	0.124636	0.142297	0.875886	0.381092	0.79028	Smim1
ENSMUSG0ENSMUSG0	118.8244	-0.0187	0.053822	-0.34742	0.728276	0.938587	Gm4294
ENSMUSG0ENSMUSG0	1951.716	0.112746	0.085068	1.325352	0.185054	0.631891	Sarnp
ENSMUSG0ENSMUSG0	2230.487	-0.16534	0.08472	-1.95159	0.050987	0.364804	Ctdsp2
ENSMUSG0ENSMUSG0	139.0157	-0.18154	0.125292	-1.44891	0.147362	0.578667	AU041133
ENSMUSG0ENSMUSG0	4012.101	0.003775	0.127344	0.029642	0.976353	0.996317	Smim24
ENSMUSG0ENSMUSG0	2379.828	0.009428	0.103081	0.091463	0.927124	0.985705	Dohh
ENSMUSG0ENSMUSG0	364.6306	0.128616	0.118824	1.082405	0.279073	0.720991	Gm10941
ENSMUSG0ENSMUSG0	40.8342	0.171092	0.14594	1.172344	0.241059	0.689436	Ppil6
ENSMUSG0ENSMUSG0	2695.306	-0.01343	0.087802	-0.15293	0.878455	0.976224	Abrac1
ENSMUSG0ENSMUSG0	212.7624	-0.17072	0.110264	-1.54833	0.121544	0.534218	Plekhn1
ENSMUSG0ENSMUSG0	229.4682	-0.24166	0.101273	-2.38618	0.017024	0.203604	Perm1

ENSMUSG0ENSMUSGC	410.8498	0.015992	0.113535	0.140855	0.887984	0.978595	Cfap74
ENSMUSG0ENSMUSGC	98.18635	0.0187	0.129047	0.144911	0.884781	0.977581	Zfp984
ENSMUSG0ENSMUSGC	2397.524	0.09556	0.096778	0.987409	0.323442	0.752685	Ddi2
ENSMUSG0ENSMUSGC	2171.972	0.130126	0.057801	2.251277	0.024368	0.249486	Emc1
ENSMUSG0ENSMUSGC	40.03338	-0.06742	0.145784	-0.46248	0.643736	0.91498	2310026L2
ENSMUSG0ENSMUSGC	322.6753	0.151029	0.114983	1.313494	0.189017	0.63642	Aunip
ENSMUSG0ENSMUSGC	36.48858	-0.00718	0.136448	-0.0526	0.958053	0.993017	Nkain1
ENSMUSG0ENSMUSGC	226.2361	-0.2182	0.108709	-2.00724	0.044724	0.341613	Zfp995
ENSMUSG0ENSMUSGC	13122.05	-0.02466	0.104336	-0.23639	0.81313	0.958983	Bnip3
ENSMUSG0ENSMUSGC	1584.887	-0.02639	0.114405	-0.23064	0.817594	0.959878	1110065P2
ENSMUSG0ENSMUSGC	403.5207	0.143917	0.125766	1.144319	0.252492	0.698438	Ndufaf8
ENSMUSG0ENSMUSGC	10832.23	0.115353	0.064274	1.794704	0.072701	0.430201	Ube2d3
ENSMUSG0ENSMUSGC	133.3769	-0.15852	0.117004	-1.35483	0.175473	0.617729	E430018J2
ENSMUSG0ENSMUSGC	678.0767	0.264917	0.112533	2.354116	0.018567	0.215052	AU022252
ENSMUSG0ENSMUSGC	91.61994	-0.0839	0.14508	-0.5783	0.56306	0.885149	1810010H2
ENSMUSG0ENSMUSGC	2567.822	-0.08931	0.086626	-1.03101	0.302536	0.739759	Smarcd2
ENSMUSG0ENSMUSGC	3854.628	0.084157	0.091219	0.922588	0.356222	0.774872	Ccdc47
ENSMUSG0ENSMUSGC	50.81017	-0.05393	0.141107	-0.38221	0.702305	0.934077	Olf613
ENSMUSG0ENSMUSGC	1255.48	0.000756	0.135316	0.005589	0.995541	0.998655	Gm7336
ENSMUSG0ENSMUSGC	167.0973	-0.15472	0.109277	-1.41586	0.156818	0.595338	Aoc2
ENSMUSG0ENSMUSGC	3701.285	-0.1587	0.047996	-3.30642	0.000945	0.035987	Psme3
ENSMUSG0ENSMUSGC	75.41641	-0.21709	0.129095	-1.68163	0.09264	0.477746	Cntd1
ENSMUSG0ENSMUSGC	2795.978	-0.05949	0.120208	-0.49486	0.620698	0.907795	Vps25
ENSMUSG0ENSMUSGC	4801.794	-0.11899	0.117658	-1.01135	0.311848	0.745302	Fam174b
ENSMUSG0ENSMUSGC	1445.706	0.050077	0.120907	0.414175	0.678746	0.928688	Chd2
ENSMUSG0ENSMUSGC	2456.932	0.065578	0.073554	0.891555	0.372632	0.786634	Casc3
ENSMUSG0ENSMUSGC	989.2484	0.130166	0.096541	1.3483	0.177562	0.620338	Tm2d3
ENSMUSG0ENSMUSGC	884.3329	-0.12638	0.130521	-0.9683	0.332896	0.758648	583041711C
ENSMUSG0ENSMUSGC	2571.673	0.164938	0.095084	1.734651	0.082803	0.454355	Cisd3
ENSMUSG0ENSMUSGC	47.27059	-0.31645	0.141877	-2.23045	0.025718	0.256545	D030028AC
ENSMUSG0ENSMUSGC	824.8598	0.187669	0.104721	1.792093	0.073118	0.431177	Tomm5
ENSMUSG0ENSMUSGC	507.3689	-0.1337	0.087808	-1.52266	0.127844	0.547329	Tmem8b
ENSMUSG0ENSMUSGC	3236.519	0.212705	0.096911	2.194837	0.028175	0.269415	Haus5
ENSMUSG0ENSMUSGC	943.801	0.057277	0.105512	0.542852	0.587232	0.894311	U2af1l4
ENSMUSG0ENSMUSGC	107.2722	-0.0819	0.13014	-0.62932	0.529138	0.869382	Zfp566
ENSMUSG0ENSMUSGC	905.4078	0.168081	0.097883	1.717173	0.085948	0.462853	Rad54b
ENSMUSG0ENSMUSGC	341.4056	-0.09788	0.098987	-0.98885	0.322737	0.752358	Zfp59
ENSMUSG0ENSMUSGC	1295.399	0.167158	0.096566	1.731021	0.083448	0.456096	1810022K0
ENSMUSG0ENSMUSGC	378.0671	0.093441	0.100938	0.925727	0.354588	0.774327	BC024978
ENSMUSG0ENSMUSGC	640.2699	-0.13283	0.092158	-1.44135	0.149485	0.582896	Dph1
ENSMUSG0ENSMUSGC	158.0582	0.210471	0.126796	1.659919	0.096931	0.486645	Dact3
ENSMUSG0ENSMUSGC	16257.06	0.073943	0.087209	0.847883	0.396503	0.797241	Elf5a
ENSMUSG0ENSMUSGC	447.2608	0.165963	0.10867	1.52722	0.126706	0.544243	Leng1
ENSMUSG0ENSMUSGC	592.5336	0.022191	0.144945	0.153102	0.878318	0.976224	Hist3h2a
ENSMUSG0ENSMUSGC	262.3854	-0.03135	0.100756	-0.31113	0.7557	0.944599	Igtp
ENSMUSG0ENSMUSGC	151.5207	0.170568	0.124706	1.367765	0.171386	0.612871	Zfp931
ENSMUSG0ENSMUSGC	207.285	0.100618	0.126088	0.797994	0.424874	0.814227	Gm14326
ENSMUSG0ENSMUSGC	129.2837	0.144117	0.126476	1.139481	0.254503	0.700275	Gm14322
ENSMUSG0ENSMUSGC	192.1471	-0.10645	0.122895	-0.86618	0.386393	0.792576	Zfp970
ENSMUSG0ENSMUSGC	192.5339	0.036005	0.101344	0.355275	0.722384	0.937668	Gm14418
ENSMUSG0ENSMUSGC	309.5179	0.084663	0.104149	0.812905	0.416272	0.808586	Gm14410
ENSMUSG0ENSMUSGC	142.6741	0.190745	0.136459	1.397822	0.162166	0.601189	Gm14419

ENSMUSG0ENSMUSG0	336.3616	-0.03032	0.138103	-0.21956	0.826212	0.962521	Gm14295
ENSMUSG0ENSMUSG0	356.4779	0.102571	0.110261	0.93026	0.352236	0.773559	Gm14305
ENSMUSG0ENSMUSG0	135.5716	0.109277	0.120166	0.909389	0.363145	0.780897	Zfp973
ENSMUSG0ENSMUSG0	46.98727	0.056368	0.1431	0.393906	0.69365	0.932437	Gm14308
ENSMUSG0ENSMUSG0	143.874	0.128632	0.133451	0.963888	0.335102	0.759008	Gm14434
ENSMUSG0ENSMUSG0	104.7973	0.25215	0.140313	1.797061	0.072326	0.429142	Gm2026
ENSMUSG0ENSMUSG0	229.4779	0.083268	0.134845	0.617507	0.5369	0.873009	Gm6710
ENSMUSG0ENSMUSG0	308.9551	0.046503	0.120642	0.385466	0.699892	0.933914	Gm14288
ENSMUSG0ENSMUSG0	440.9897	0.112947	0.109642	1.030139	0.302945	0.739759	221041801
ENSMUSG0ENSMUSG0	99.24849	0.077109	0.136806	0.563636	0.573002	0.889998	Zfp965
ENSMUSG0ENSMUSG0	367.2216	0.008634	0.113327	0.076183	0.939273	0.987897	Gm4724
ENSMUSG0ENSMUSG0	88.12966	0.040596	0.142735	0.284417	0.776091	0.950348	Zfp968
ENSMUSG0ENSMUSG0	3611.704	0.076706	0.08787	0.872942	0.382695	0.790739	Gm4631
ENSMUSG0ENSMUSG0	361.66	0.040328	0.117218	0.344038	0.730817	0.938791	Gm14443
ENSMUSG0ENSMUSG0	396.3667	-0.0026	0.137812	-0.01887	0.984943	0.997439	Gm14391
ENSMUSG0ENSMUSG0	885.9628	-0.13596	0.125395	-1.08429	0.278237	0.720077	Mon1b
ENSMUSG0ENSMUSG0	877.6825	-0.01985	0.118927	-0.16695	0.867412	0.974473	Dpm1
ENSMUSG0ENSMUSG0	6823.282	-0.036	0.065933	-0.54601	0.585058	0.893377	Ube2v1
ENSMUSG0ENSMUSG0	423.4654	0.013302	0.113889	0.1168	0.907018	0.982338	Pdf
ENSMUSG0ENSMUSG0	118.3612	-0.20726	0.135282	-1.53206	0.125508	0.541523	Cpt1b
ENSMUSG0ENSMUSG0	4804.516	0.123934	0.065871	1.881454	0.05991	0.3947	Ak6
ENSMUSG0ENSMUSG0	150.8487	-0.11646	0.127975	-0.90998	0.362831	0.780559	Naip2
ENSMUSG0ENSMUSG0	58.48872	0.100203	0.142462	0.703364	0.481829	0.846451	Arhgap8
ENSMUSG0ENSMUSG0	257.1123	-0.11319	0.14571	-0.77684	0.437252	0.819028	Hsbp1l1
ENSMUSG0ENSMUSG0	47.90595	0.105737	0.145999	0.724229	0.468925	0.83933	Gm12033
ENSMUSG0ENSMUSG0	129.7679	0.073385	0.137768	0.532672	0.594261	0.896353	Gm3272
ENSMUSG0ENSMUSG0	405.0317	-0.05025	0.096554	-0.52044	0.602754	0.900216	Wdr92
ENSMUSG0ENSMUSG0	934.3884	0.177259	0.10531	1.683216	0.092333	0.477085	Sec61g
ENSMUSG0ENSMUSG0	94.75826	-0.10374	0.133342	-0.77802	0.436558	0.819028	Zfp429
ENSMUSG0ENSMUSG0	46.40417	-0.02342	0.143169	-0.16361	0.870036	0.975011	Zfp456
ENSMUSG0ENSMUSG0	2575.901	-0.06217	0.11716	-0.53068	0.595637	0.896811	Samd1
ENSMUSG0ENSMUSG0	170.8428	0.035322	0.123223	0.286649	0.774381	0.949821	InsI3
ENSMUSG0ENSMUSG0	821.887	0.021473	0.088116	0.243695	0.807467	0.958353	Slc45a4
ENSMUSG0ENSMUSG0	206.6946	-0.30101	0.143214	-2.10178	0.035573	0.304807	Col22a1
ENSMUSG0ENSMUSG0	779.7371	0.106708	0.080985	1.317625	0.187629	0.635227	Alkbh1
ENSMUSG0ENSMUSG0	25105.96	0.140406	0.063195	2.221811	0.026296	0.258836	Prnp
ENSMUSG0ENSMUSG0	142.4486	-0.27173	0.125728	-2.16122	0.030679	0.280493	D130040H2
ENSMUSG0ENSMUSG0	451.3052	0.011414	0.109056	0.10466	0.916645	0.984548	Fastkd5
ENSMUSG0ENSMUSG0	43.51393	0.024561	0.145768	0.168491	0.866197	0.974432	Slc8a3
ENSMUSG0ENSMUSG0	1516.644	0.18395	0.136632	1.346317	0.1782	0.621284	Kcnp3
ENSMUSG0ENSMUSG0	762.3889	-0.09419	0.132331	-0.71181	0.476583	0.843045	Cyp4v3
ENSMUSG0ENSMUSG0	147.9675	0.09306	0.145659	0.638886	0.522897	0.867042	BC005561
ENSMUSG0ENSMUSG0	218.2484	0.079088	0.125602	0.629675	0.528907	0.869382	Jrkl
ENSMUSG0ENSMUSG0	1100.253	-0.01718	0.08759	-0.19609	0.84454	0.967714	Ccdc82
ENSMUSG0ENSMUSG0	843.9691	0.038269	0.104552	0.366026	0.714346	0.935647	Prps1l3
ENSMUSG0ENSMUSG0	9222.373	0.098091	0.068599	1.429914	0.152742	0.589042	Srp54b
ENSMUSG0ENSMUSG0	894.5163	0.198649	0.074291	2.673918	0.007497	0.131194	Pms2
ENSMUSG0ENSMUSG0	7612.291	0.089576	0.060984	1.46884	0.141876	0.571761	Kdelr2
ENSMUSG0ENSMUSG0	229.9118	-0.14615	0.109339	-1.33664	0.18134	0.627158	A130010J1!
ENSMUSG0ENSMUSG0	815.2067	0.058502	0.109067	0.53639	0.591689	0.895697	Fam155a
ENSMUSG0ENSMUSG0	54.29875	0.151044	0.144136	1.047929	0.294671	0.733828	Trim43b
ENSMUSG0ENSMUSG0	56.68827	-0.15054	0.133355	-1.12885	0.25896	0.703765	Tlr5

ENSMUSG0ENSMUSGC	84.10853	-0.05883	0.145293	-0.40494	0.685523	0.931173	Sap25
ENSMUSG0ENSMUSGC	109.8546	0.147182	0.125308	1.174562	0.24017	0.688236	Zan
ENSMUSG0ENSMUSGC	608.9399	-0.12632	0.085046	-1.4853	0.137465	0.564547	Rab10os
ENSMUSG0ENSMUSGC	2066.101	0.22051	0.083588	2.638045	0.008339	0.138979	Mphosph8
ENSMUSG0ENSMUSGC	2417.124	0.102283	0.128432	0.796404	0.425797	0.81459	Psme2
ENSMUSG0ENSMUSGC	3560.923	-0.1221	0.096141	-1.26999	0.204087	0.652172	Zfp664
ENSMUSG0ENSMUSGC	158.602	0.132923	0.135231	0.982933	0.32564	0.754238	Gm6565
ENSMUSG0ENSMUSGC	584.2509	0.040762	0.143188	0.284674	0.775894	0.950313	Gm9531
ENSMUSG0ENSMUSGC	41.86695	0.164898	0.145993	1.129487	0.258692	0.703549	Ccdc13
ENSMUSG0ENSMUSGC	66.58757	-0.10887	0.143676	-0.75776	0.448597	0.824927	C730034FO
ENSMUSG0ENSMUSGC	74.25879	-0.11489	0.145583	-0.78916	0.430017	0.815671	Tmppe
ENSMUSG0ENSMUSGC	64.92854	-0.02415	0.145103	-0.16642	0.867829	0.974473	Slco1a6
ENSMUSG0ENSMUSGC	354.9926	-0.01735	0.140853	-0.12316	0.90198	0.981741	Z310009B1
ENSMUSG0ENSMUSGC	1003.581	0.146638	0.066984	2.189166	0.028585	0.271034	Rab9
ENSMUSG0ENSMUSGC	918.3579	0.02953	0.102447	0.288248	0.773157	0.949821	Trappc2
ENSMUSG0ENSMUSGC	770.8384	-0.13971	0.108922	-1.28267	0.199607	0.646803	Nat6
ENSMUSG0ENSMUSGC	364.7668	0.300789	0.105934	2.839395	0.00452	0.09824	Gm3558
ENSMUSG0ENSMUSGC	51.91846	-0.17076	0.145901	-1.17035	0.24186	0.689488	Luzp4
ENSMUSG0ENSMUSGC	91.09801	0.309224	0.143897	2.148932	0.03164	0.285763	Z610042LO
ENSMUSG0ENSMUSGC	55.71661	0.246013	0.137804	1.785233	0.074224	0.433063	Gm2974
ENSMUSG0ENSMUSGC	96.88397	0.102756	0.134907	0.761679	0.446251	0.824037	Gm3411
ENSMUSG0ENSMUSGC	73.71511	0.058023	0.144129	0.402579	0.687258	0.931173	Gm3020
ENSMUSG0ENSMUSGC	351.0553	0.177301	0.138124	1.283642	0.199267	0.646372	Gm2897
ENSMUSG0ENSMUSGC	206.7319	-0.08032	0.135937	-0.59087	0.55461	0.881821	Gm11110
ENSMUSG0ENSMUSGC	57.65901	-0.01374	0.136319	-0.10076	0.919737	0.985705	Cntf
ENSMUSG0ENSMUSGC	404.4581	-0.00871	0.109617	-0.07948	0.936651	0.986886	Atg4a
ENSMUSG0ENSMUSGC	2396.909	0.178402	0.104155	1.712861	0.086738	0.464143	Arpc4
ENSMUSG0ENSMUSGC	309.13	0.433063	0.111856	3.871611	0.000108	0.008603	Mthfsl
ENSMUSG0ENSMUSGC	892.7114	0.127485	0.146006	0.873154	0.382579	0.790739	Mroh2a
ENSMUSG0ENSMUSGC	2566.921	0.140924	0.115024	1.225168	0.220512	0.671412	Rpl36a
ENSMUSG0ENSMUSGC	527.2437	0.012541	0.101361	0.123729	0.90153	0.981571	St6galnac4
ENSMUSG0ENSMUSGC	51.49672	-0.15574	0.145428	-1.07088	0.284224	0.725105	Gm21981
ENSMUSG0ENSMUSGC	245.4606	-0.00922	0.124037	-0.07436	0.940723	0.988134	Cldn34c1
ENSMUSG0ENSMUSGC	38.05124	0.137049	0.142308	0.963047	0.335524	0.759008	Gm16026
ENSMUSG0ENSMUSGC	971.5928	0.24768	0.144965	1.70855	0.087534	0.466164	Prdm12
ENSMUSG0ENSMUSGC	637.2191	-0.12756	0.100955	-1.26349	0.206414	0.653887	Pigb
ENSMUSG0ENSMUSGC	435.1801	-0.2699	0.134978	-1.99963	0.045541	0.34404	Utp14b
ENSMUSG0ENSMUSGC	9658.295	0.090422	0.066799	1.353652	0.175848	0.618566	Rab7
ENSMUSG0ENSMUSGC	854.9681	0.192516	0.114038	1.688174	0.091378	0.474778	Sssca1
ENSMUSG0ENSMUSGC	731.0277	0.072039	0.101728	0.708151	0.478852	0.844546	Pin4
ENSMUSG0ENSMUSGC	171.5725	-0.09676	0.120719	-0.8015	0.42284	0.812942	Nhsl2
ENSMUSG0ENSMUSGC	150.0372	0.071493	0.117648	0.607692	0.543392	0.875214	Phyhd1
ENSMUSG0ENSMUSGC	1737.531	0.042762	0.124928	0.342292	0.732131	0.938791	Med12
ENSMUSG0ENSMUSGC	698.7051	0.158387	0.141535	1.119068	0.263111	0.706508	Gm11127
ENSMUSG0ENSMUSGC	119.6129	-0.27045	0.123975	-2.18146	0.029149	0.273828	Z6530402F1
ENSMUSG0ENSMUSGC	50.58921	0.031283	0.09525	0.328435	0.742583	0.940596	Cfap77
ENSMUSG0ENSMUSGC	72.95502	-0.13561	0.143109	-0.9476	0.343333	0.765528	Gm11131
ENSMUSG0ENSMUSGC	1998.538	0.082857	0.070583	1.173887	0.24044	0.68851	Apoo
ENSMUSG0ENSMUSGC	1150.165	-0.01448	0.088476	-0.16361	0.870037	0.975011	Zfx
ENSMUSG0ENSMUSGC	202.6008	-0.07574	0.133146	-0.56883	0.569472	0.888674	Gm42688
ENSMUSG0ENSMUSGC	2245.096	-0.12294	0.124556	-0.98706	0.323614	0.752828	Tmsb10
ENSMUSG0ENSMUSGC	48.38196	-0.09574	0.14565	-0.65735	0.510954	0.860852	Gm5640

ENSMUSG0ENSMUSG0	3287.887	-0.02319	0.066832	-0.34703	0.728569	0.938587	Kifc1
ENSMUSG0ENSMUSG0	922.0958	0.197836	0.084316	2.346359	0.018958	0.21696	Haus3
ENSMUSG0ENSMUSG0	890.904	0.134391	0.095871	1.401795	0.160977	0.600383	Mar-02
ENSMUSG0ENSMUSG0	2762.2	0.206478	0.068398	3.018763	0.002538	0.067635	Maea
ENSMUSG0ENSMUSG0	100.4714	-0.35706	0.143584	-2.48678	0.01289	0.176724	Clec2l
ENSMUSG0ENSMUSG0	385.7654	-0.33159	0.102066	-3.24877	0.001159	0.040137	Zbtb9
ENSMUSG0ENSMUSG0	257.435	-0.10255	0.134735	-0.7611	0.446596	0.824037	Stard6
ENSMUSG0ENSMUSG0	255.4242	0.05597	0.138246	0.404854	0.685585	0.931173	Ankrd39
ENSMUSG0ENSMUSG0	3758.677	-0.01763	0.110789	-0.1591	0.873588	0.97593	Seh1l
ENSMUSG0ENSMUSG0	5770.584	0.195011	0.112886	1.727497	0.084078	0.457758	Rpl39
ENSMUSG0ENSMUSG0	80.28698	0.160381	0.142307	1.127003	0.259741	0.704211	Rab26
ENSMUSG0ENSMUSG0	3739.638	0.112374	0.092041	1.220914	0.222119	0.672473	Eloc
ENSMUSG0ENSMUSG0	543.8718	-0.14112	0.08472	-1.66576	0.09576	0.485939	Tmem243
ENSMUSG0ENSMUSG0	437.4739	0.165306	0.130712	1.264659	0.205994	0.653818	Fdx1l
ENSMUSG0ENSMUSG0	52.16296	-0.21068	0.136465	-1.54384	0.122628	0.5355	3110001122
ENSMUSG0ENSMUSG0	66.5522	0.060247	0.140925	0.42751	0.669008	0.925067	AC168977.1
ENSMUSG0ENSMUSG0	88.08129	-0.05112	0.141078	-0.36238	0.717069	0.93599	Tmlhe
ENSMUSG0ENSMUSG0	105.7961	-0.01495	0.143457	-0.10419	0.917015	0.984548	Eef1akmt3
ENSMUSG0ENSMUSG0	812.47	-0.27578	0.099288	-2.77755	0.005477	0.110092	Brms1
ENSMUSG0ENSMUSG0	317.7542	-0.09768	0.133123	-0.73379	0.463074	0.835155	Spaca6
ENSMUSG0ENSMUSG0	70.36494	0.122751	0.145935	0.841135	0.400272	0.79975	B230307C2
ENSMUSG0ENSMUSG0	38.66142	0.091549	0.145449	0.629425	0.529071	0.869382	Gm13526
ENSMUSG0ENSMUSG0	42.17312	0.147733	0.145363	1.016305	0.309484	0.743774	Gm14387
ENSMUSG0ENSMUSG0	125.2003	0.129918	0.142569	0.911265	0.362156	0.780418	BC022960
ENSMUSG0ENSMUSG0	97.697	0.235121	0.143762	1.635481	0.101948	0.497833	Bambi-ps1
ENSMUSG0ENSMUSG0	512.5582	0.143258	0.145941	0.981613	0.326291	0.754362	Gm12397
ENSMUSG0ENSMUSG0	4596.716	0.030296	0.119643	0.253217	0.800101	0.956574	Rps6-ps4
ENSMUSG0ENSMUSG0	348.158	0.012639	0.140693	0.089832	0.928421	0.985705	Gm12338
ENSMUSG0ENSMUSG0	1045.981	-0.24233	0.108314	-2.23728	0.025268	0.253954	Slc48a1
ENSMUSG0ENSMUSG0	41.1438	-0.0029	0.144754	-0.02004	0.984014	0.997439	Gm12286
ENSMUSG0ENSMUSG0	165.8504	0.029382	0.047779	0.614952	0.538586	0.873794	Gm11518
ENSMUSG0ENSMUSG0	168.4068	-0.11573	0.135487	-0.85415	0.393021	0.795486	Sms-ps
ENSMUSG0ENSMUSG0	67.30766	-0.0012	0.140433	-0.00857	0.993165	0.998539	Gm12276
ENSMUSG0ENSMUSG0	108.0183	0.07911	0.115529	0.684768	0.49349	0.852885	Olfr607
ENSMUSG0ENSMUSG0	45.42025	-0.14524	0.14248	-1.01935	0.308038	0.743099	Gm12993
ENSMUSG0ENSMUSG0	264.1755	0.159517	0.100466	1.587767	0.112339	0.518521	Gm14276
ENSMUSG0ENSMUSG0	1158.653	0.152467	0.098471	1.548343	0.12154	0.534218	Nap1l2
ENSMUSG0ENSMUSG0	183.7494	-0.0968	0.138688	-0.69798	0.485191	0.848425	Pisd-ps1
ENSMUSG0ENSMUSG0	2000.532	-0.1238	0.090617	-1.36622	0.171871	0.613744	Gm15387
ENSMUSG0ENSMUSG0	48.69603	0.018443	0.145169	0.127047	0.898903	0.981094	Gm11331
ENSMUSG0ENSMUSG0	128.5185	-0.01521	0.144105	-0.10556	0.915932	0.984548	Gm13736
ENSMUSG0ENSMUSG0	65.3397	-0.14087	0.145815	-0.96611	0.333988	0.759008	Gm6754
ENSMUSG0ENSMUSG0	1275.336	0.123083	0.094352	1.304506	0.192061	0.638822	Fam220a
ENSMUSG0ENSMUSG0	116.648	0.010884	0.144668	0.075238	0.940026	0.988086	Gm14494
ENSMUSG0ENSMUSG0	64.39623	-0.00606	0.142654	-0.04248	0.966119	0.994967	Gm14421
ENSMUSG0ENSMUSG0	58.8393	0.006627	0.142686	0.046445	0.962955	0.994289	Gm11427
ENSMUSG0ENSMUSG0	48.86508	-0.08616	0.138703	-0.62118	0.534482	0.87213	Gm11839
ENSMUSG0ENSMUSG0	2756.492	-0.15444	0.081955	-1.88441	0.05951	0.392822	Ctsf
ENSMUSG0ENSMUSG0	305.2569	0.083369	0.14508	0.574642	0.565533	0.886811	AA414768
ENSMUSG0ENSMUSG0	90.48188	0.081556	0.134819	0.604926	0.545228	0.875495	Llph-ps2
ENSMUSG0ENSMUSG0	90.76644	0.06524	0.127522	0.511599	0.608932	0.903796	Gm12895
ENSMUSG0ENSMUSG0	939.4061	0.096216	0.109731	0.876836	0.380575	0.79028	Gm3244

ENSMUSG0ENSMUSGC	90.76644	0.06524	0.127522	0.511599	0.608932	0.903796	Gm12896
ENSMUSG0ENSMUSGC	79.73025	-0.02762	0.133601	-0.20673	0.836222	0.965089	Gm13340
ENSMUSG0ENSMUSGC	279.5801	-0.07473	0.106093	-0.70437	0.481205	0.846451	Gm13722
ENSMUSG0ENSMUSGC	286.9602	0.083198	0.129679	0.641567	0.521154	0.865988	Gm4459
ENSMUSG0ENSMUSGC	108.2491	-0.12528	0.115322	-1.08631	0.277342	0.719152	Zfp133-ps
ENSMUSG0ENSMUSGC	62.58131	-0.07288	0.136375	-0.53439	0.593074	0.895885	Rnf138rt1
ENSMUSG0ENSMUSGC	41.47666	0.019438	0.143878	0.135102	0.892531	0.979424	Gm14202
ENSMUSG0ENSMUSGC	167.8512	-0.05639	0.137303	-0.41072	0.681275	0.929552	Ccnb2-ps
ENSMUSG0ENSMUSGC	39.06783	0.037408	0.130081	0.287576	0.773671	0.949821	Gm13394
ENSMUSG0ENSMUSGC	83.6724	-0.14703	0.13112	-1.12133	0.262149	0.705689	Gm13033
ENSMUSG0ENSMUSGC	506.6134	0.015099	0.107014	0.141091	0.887798	0.978595	Ube2d-ps
ENSMUSG0ENSMUSGC	212.6584	-0.16047	0.130516	-1.22952	0.218877	0.669212	Esrp2
ENSMUSG0ENSMUSGC	160.3418	-0.01721	0.118842	-0.14482	0.884854	0.977581	Gm12696
ENSMUSG0ENSMUSGC	8459.43	0.048737	0.11751	0.41475	0.678325	0.928688	Tpt1-ps3
ENSMUSG0ENSMUSGC	72.90954	0.130914	0.14601	0.896614	0.369925	0.784801	Gm13988
ENSMUSG0ENSMUSGC	4930.799	0.161508	0.10116	1.596557	0.110365	0.514156	Rpl10a-ps1
ENSMUSG0ENSMUSGC	43.138	-0.26632	0.145953	-1.82472	0.068043	0.419139	A230072E1
ENSMUSG0ENSMUSGC	2740.272	0.066187	0.111624	0.592943	0.553219	0.880942	Ubl5
ENSMUSG0ENSMUSGC	71.04994	0.216639	0.134169	1.614673	0.106382	0.50605	Gm15879
ENSMUSG0ENSMUSGC	117.3689	-0.15975	0.135021	-1.18318	0.236737	0.685759	Ino80dos
ENSMUSG0ENSMUSGC	151.3957	-0.02529	0.122396	-0.20665	0.836283	0.965089	5830444B0
ENSMUSG0ENSMUSGC	79.68583	-0.00449	0.136409	-0.03292	0.97374	0.995862	9430091E2
ENSMUSG0ENSMUSGC	149.5672	0.313206	0.125154	2.502567	0.01233	0.172036	Gm16344
ENSMUSG0ENSMUSGC	319.8515	-0.05648	0.135038	-0.41827	0.675748	0.927604	Pabpc1l2b-
ENSMUSG0ENSMUSGC	100.1496	-0.03906	0.14458	-0.27013	0.78706	0.95382	Tmem240
ENSMUSG0ENSMUSGC	85.00553	-0.26822	0.125514	-2.13698	0.0326	0.289577	A730011C1
ENSMUSG0ENSMUSGC	47.6382	0.243441	0.1387	1.755157	0.079232	0.445187	4933408N0
ENSMUSG0ENSMUSGC	91.18109	0.15004	0.133882	1.120684	0.262422	0.705745	A930006K0
ENSMUSG0ENSMUSGC	62.471	-0.03879	0.139204	-0.27868	0.780488	0.95154	Tomm6os
ENSMUSG0ENSMUSGC	84.81531	-0.04078	0.134879	-0.30235	0.762389	0.946665	Ccdc85c
ENSMUSG0ENSMUSGC	54.93807	0.080538	0.145401	0.553903	0.579645	0.892779	3010001F2
ENSMUSG0ENSMUSGC	55.3625	0.013742	0.14592	0.094175	0.92497	0.985705	Gm12958
ENSMUSG0ENSMUSGC	42.27538	-0.05644	0.145995	-0.38656	0.699082	0.933914	Gm15344
ENSMUSG0ENSMUSGC	70.70441	0.070254	0.143081	0.491009	0.62342	0.907988	Gm281
ENSMUSG0ENSMUSGC	64.84539	-0.06992	0.13709	-0.51	0.610049	0.904227	Gm14827
ENSMUSG0ENSMUSGC	182.1307	0.06636	0.101189	0.655796	0.511955	0.861335	C630043F0
ENSMUSG0ENSMUSGC	88.05098	0.139944	0.137229	1.019778	0.307834	0.743099	Gm16185
ENSMUSG0ENSMUSGC	75.78757	0.049178	0.140714	0.349487	0.726724	0.938472	BB557941
ENSMUSG0ENSMUSGC	64.44583	-0.0185	0.13959	-0.13252	0.894576	0.97986	Gm16249
ENSMUSG0ENSMUSGC	225.1974	0.079009	0.100908	0.782984	0.433636	0.817251	Gm5577
ENSMUSG0ENSMUSGC	1560.598	0.097904	0.070445	1.3898	0.16459	0.603971	Bbip1
ENSMUSG0ENSMUSGC	69.69349	-0.08483	0.136708	-0.6205	0.534928	0.87213	Gm15567
ENSMUSG0ENSMUSGC	70.92685	-0.05824	0.128925	-0.45175	0.651447	0.919233	Gm16279
ENSMUSG0ENSMUSGC	85.86667	-0.07443	0.14538	-0.51199	0.608658	0.903796	Dbhos
ENSMUSG0ENSMUSGC	185.0156	-0.30479	0.137606	-2.21496	0.026763	0.261695	Gm5860
ENSMUSG0ENSMUSGC	262.2627	-0.08452	0.09691	-0.87212	0.383142	0.790739	Slc2a4rg-ps
ENSMUSG0ENSMUSGC	77.83314	-0.01731	0.130285	-0.13285	0.894309	0.979694	2810455OC
ENSMUSG0ENSMUSGC	388.2961	-0.29017	0.087446	-3.3183	0.000906	0.035013	4933421O1
ENSMUSG0ENSMUSGC	106.8299	0.028698	0.14474	0.198269	0.842835	0.967136	Gm15927
ENSMUSG0ENSMUSGC	141.8853	-0.16603	0.131369	-1.26384	0.206287	0.653818	4930570G1
ENSMUSG0ENSMUSGC	69.91654	0.001958	0.141849	0.013805	0.988986	0.998539	1700086P0
ENSMUSG0ENSMUSGC	128.863	-0.29605	0.138471	-2.13799	0.032518	0.289577	Gm12758

ENSMUSG0ENSMUSG0	537.0562	-0.17786	0.095184	-1.86857	0.061683	0.399669	B930095G1
ENSMUSG0ENSMUSG0	176.8174	0.003034	0.137583	0.022052	0.982407	0.997405	Mir22hg
ENSMUSG0ENSMUSG0	743.299	0.062952	0.10683	0.589268	0.555682	0.88219	1110018N2
ENSMUSG0ENSMUSG0	228.5052	0.184271	0.118766	1.551546	0.120771	0.533406	Snhg15
ENSMUSG0ENSMUSG0	50.88099	-0.00711	0.138185	-0.05142	0.958988	0.993224	Gm11423
ENSMUSG0ENSMUSG0	48.64867	-0.06157	0.14468	-0.42558	0.670415	0.925768	AI838599
ENSMUSG0ENSMUSG0	7591.921	0.053409	0.05291	1.00943	0.312768	0.746673	Brip1os
ENSMUSG0ENSMUSG0	108.482	-0.04582	0.145995	-0.31384	0.75364	0.943904	Gm13425
ENSMUSG0ENSMUSG0	174.7641	-0.03986	0.137121	-0.29069	0.771287	0.949297	6330418K0
ENSMUSG0ENSMUSG0	736.0323	0.316283	0.092721	3.411128	0.000647	0.027986	Snhg3
ENSMUSG0ENSMUSG0	148.6993	0.018531	0.140556	0.131842	0.895109	0.97993	Med9os
ENSMUSG0ENSMUSG0	318.7809	-0.16554	0.133961	-1.23576	0.216548	0.667111	Gm15663
ENSMUSG0ENSMUSG0	52.56075	-0.06162	0.145448	-0.42364	0.67183	0.926477	4833418N0
ENSMUSG0ENSMUSG0	117.7844	-0.0208	0.138433	-0.15027	0.880552	0.97663	A430018G1
ENSMUSG0ENSMUSG0	964.453	-0.0762	0.098141	-0.77645	0.437485	0.819028	Gm17131
ENSMUSG0ENSMUSG0	870.6174	-0.04953	0.083771	-0.59125	0.554356	0.881522	Gm12940
ENSMUSG0ENSMUSG0	48.33932	0.025877	0.145585	0.177747	0.858921	0.972489	Gm15964
ENSMUSG0ENSMUSG0	39.21995	-0.16204	0.145608	-1.11285	0.265774	0.708961	3010003L2
ENSMUSG0ENSMUSG0	53.53623	-0.1998	0.146011	-1.36837	0.171195	0.612517	Gm14508
ENSMUSG0ENSMUSG0	46.9686	-0.09007	0.138873	-0.6486	0.5166	0.863191	2310058D1
ENSMUSG0ENSMUSG0	545.7248	-0.06776	0.090495	-0.74874	0.454016	0.828567	Snhg17
ENSMUSG0ENSMUSG0	1530.303	-0.12361	0.086743	-1.42497	0.154166	0.590874	Firre
ENSMUSG0ENSMUSG0	812.1879	0.053267	0.09171	0.580823	0.56136	0.884547	Foxd2os
ENSMUSG0ENSMUSG0	66.24875	-0.06561	0.145879	-0.44973	0.652906	0.919812	C530005A1
ENSMUSG0ENSMUSG0	47.49504	-0.12205	0.13928	-0.87632	0.380858	0.79028	Gm16001
ENSMUSG0ENSMUSG0	188.5311	-0.08115	0.110001	-0.73772	0.460683	0.833168	Zfp335os
ENSMUSG0ENSMUSG0	2246.222	-0.10713	0.07125	-1.50356	0.132694	0.555154	1700020I14
ENSMUSG0ENSMUSG0	42.4661	-0.0466	0.145318	-0.32067	0.748462	0.94212	Sorbs2os
ENSMUSG0ENSMUSG0	56.96701	0.103399	0.145913	0.708631	0.478553	0.844313	1110046J04
ENSMUSG0ENSMUSG0	341.0271	0.121791	0.108699	1.120441	0.262526	0.705745	Trmt61b
ENSMUSG0ENSMUSG0	48.62471	-0.19541	0.144961	-1.34802	0.17765	0.620338	Gm14023
ENSMUSG0ENSMUSG0	38.98614	-0.08103	0.14601	-0.55497	0.578915	0.892339	4930526A2
ENSMUSG0ENSMUSG0	56.09841	-0.08808	0.143388	-0.61427	0.539034	0.873794	Gm15535
ENSMUSG0ENSMUSG0	184.0009	-0.06667	0.131326	-0.50769	0.611668	0.904589	A730017L2
ENSMUSG0ENSMUSG0	94.07309	-0.00469	0.142134	-0.03303	0.97365	0.995862	Gm11613
ENSMUSG0ENSMUSG0	71.58411	-0.25585	0.125841	-2.03314	0.042038	0.33254	A330035P1
ENSMUSG0ENSMUSG0	258.1376	0.2509	0.105316	2.382351	0.017202	0.204196	3110056K0
ENSMUSG0ENSMUSG0	47.76773	0.194573	0.13735	1.416614	0.156596	0.595338	Gm14565
ENSMUSG0ENSMUSG0	68.96279	-0.02271	0.146006	-0.15557	0.876376	0.976102	Gm11769
ENSMUSG0ENSMUSG0	61.65201	-0.01104	0.145399	-0.07596	0.939454	0.987897	Gm12059
ENSMUSG0ENSMUSG0	57.89793	-0.08504	0.145953	-0.58264	0.560134	0.883939	Gm12992
ENSMUSG0ENSMUSG0	48.32323	0.043603	0.142912	0.305103	0.760288	0.945975	Gm16153
ENSMUSG0ENSMUSG0	163.9824	-0.06358	0.120947	-0.52572	0.599082	0.898858	4921531C2
ENSMUSG0ENSMUSG0	158.1662	-0.05716	0.117786	-0.48531	0.627455	0.910069	5430405H0
ENSMUSG0ENSMUSG0	38.86148	0.018482	0.145542	0.126987	0.898951	0.981094	4930455G0
ENSMUSG0ENSMUSG0	103.7459	-0.04762	0.138232	-0.34448	0.730487	0.938791	Gm13563
ENSMUSG0ENSMUSG0	203.8592	-0.02677	0.139669	-0.19165	0.848018	0.968759	Gm13092
ENSMUSG0ENSMUSG0	564.3227	-0.00737	0.075615	-0.0975	0.922331	0.985705	Lin52
ENSMUSG0ENSMUSG0	1596.945	-0.00769	0.094366	-0.08147	0.935071	0.986686	Zfp703
ENSMUSG0ENSMUSG0	214.1605	0.025568	0.126507	0.202105	0.839835	0.966267	Cep112it
ENSMUSG0ENSMUSG0	66.94892	-0.36302	0.137998	-2.63065	0.008522	0.140619	Gm4285
ENSMUSG0ENSMUSG0	38.92461	-0.05318	0.145841	-0.36466	0.715363	0.935647	Grin1os

ENSMUSG0ENSMUSGC	45.0413	-0.04435	0.145662	-0.30447	0.760772	0.946063	Gm13003
ENSMUSG0ENSMUSGC	214.9653	-0.09935	0.146005	-0.68046	0.496213	0.853814	Ttc39aos1
ENSMUSG0ENSMUSGC	57.95883	-0.10568	0.141572	-0.74647	0.455386	0.829671	2610507I01
ENSMUSG0ENSMUSGC	48.83717	-0.11768	0.145657	-0.80793	0.419131	0.811019	Gm15601
ENSMUSG0ENSMUSGC	74.87914	-0.31603	0.140626	-2.24729	0.024622	0.250279	Gm13421
ENSMUSG0ENSMUSGC	80.52334	-0.05893	0.128727	-0.4578	0.647093	0.91735	2310014FO
ENSMUSG0ENSMUSGC	88.94368	-0.08132	0.130657	-0.62236	0.533705	0.871788	Gm15496
ENSMUSG0ENSMUSGC	63.22115	0.138128	0.142798	0.967297	0.333396	0.758918	4930481B0
ENSMUSG0ENSMUSGC	92.97653	-0.1177	0.13169	-0.89376	0.371452	0.78587	Gm2788
ENSMUSG0ENSMUSGC	63.73518	-0.00924	0.144975	-0.06372	0.949191	0.991149	AW822252
ENSMUSG0ENSMUSGC	478.0618	-0.04338	0.145996	-0.29713	0.766366	0.948343	Gm15706
ENSMUSG0ENSMUSGC	38.00692	-0.0117	0.137535	-0.0851	0.932179	0.986608	Rad51ap2
ENSMUSG0ENSMUSGC	136.078	-0.22289	0.145383	-1.53313	0.125243	0.541099	Pax6os1
ENSMUSG0ENSMUSGC	118.8871	-0.04637	0.14071	-0.32956	0.741731	0.94054	Gm15728
ENSMUSG0ENSMUSGC	38.36455	-0.00046	0.145022	-0.00315	0.997487	0.998981	Gm11832
ENSMUSG0ENSMUSGC	48.59856	0.145358	0.145686	0.99775	0.3184	0.75003	Gm5602
ENSMUSG0ENSMUSGC	352.8587	0.00165	0.144486	0.01142	0.990888	0.998539	Gm2415
ENSMUSG0ENSMUSGC	192.6573	-0.07051	0.125891	-0.56008	0.575423	0.890536	Gm16211
ENSMUSG0ENSMUSGC	84.14202	0.180743	0.135853	1.330425	0.183378	0.630133	9030622O2
ENSMUSG0ENSMUSGC	295.567	0.002568	0.11702	0.021942	0.982494	0.99741	Ccpg1os
ENSMUSG0ENSMUSGC	346.2904	-0.00505	0.116902	-0.04324	0.965513	0.994842	Pcsk2os1
ENSMUSG0ENSMUSGC	102.5891	0.219812	0.140138	1.568542	0.116755	0.526038	Mkln1os
ENSMUSG0ENSMUSGC	43.07344	0.067256	0.144403	0.465756	0.64139	0.914411	Gm15787
ENSMUSG0ENSMUSGC	50.20657	-0.02859	0.143051	-0.19984	0.841608	0.966812	Marcksl1-p
ENSMUSG0ENSMUSGC	2170.551	0.186811	0.140937	1.325495	0.185007	0.631891	Igf2os
ENSMUSG0ENSMUSGC	452.2151	0.222921	0.103626	2.151213	0.031459	0.284711	BC039966
ENSMUSG0ENSMUSGC	93.9311	0.092242	0.125366	0.735783	0.461863	0.833916	Gm15265
ENSMUSG0ENSMUSGC	451.0373	0.144941	0.115702	1.252715	0.21031	0.659576	Snhg12
ENSMUSG0ENSMUSGC	54.35385	-0.17344	0.146005	-1.18789	0.234876	0.68322	Gm15513
ENSMUSG0ENSMUSGC	1863.134	0.171034	0.106041	1.612909	0.106764	0.5071	Nbdy
ENSMUSG0ENSMUSGC	491.1599	0.129995	0.128162	1.014301	0.310439	0.744597	Gm15564
ENSMUSG0ENSMUSGC	42.65099	-0.1639	0.140221	-1.16888	0.242451	0.689768	2700033N1
ENSMUSG0ENSMUSGC	55.17642	-0.21306	0.134984	-1.57843	0.114466	0.521853	B230369F2
ENSMUSG0ENSMUSGC	744.8531	-0.12341	0.101092	-1.22074	0.222183	0.672473	Ftx
ENSMUSG0ENSMUSGC	122.2552	0.165755	0.136068	1.218174	0.223158	0.673247	1810019D2
ENSMUSG0ENSMUSGC	38.84983	0.14318	0.145586	0.983471	0.325376	0.754238	4930555B1
ENSMUSG0ENSMUSGC	47.8358	-0.12085	0.13981	-0.86439	0.387372	0.793286	Gm15559
ENSMUSG0ENSMUSGC	45.32389	-0.07439	0.144709	-0.51404	0.607224	0.903641	Gm14091
ENSMUSG0ENSMUSGC	656.9532	0.183708	0.128795	1.426359	0.153765	0.590116	Gt(ROSA)26
ENSMUSG0ENSMUSGC	38.10673	-0.03764	0.145647	-0.25845	0.796057	0.95554	Platr14
ENSMUSG0ENSMUSGC	57.21301	0.018562	0.145986	0.12715	0.898821	0.981094	Etaa1os
ENSMUSG0ENSMUSGC	72.23141	0.101859	0.145003	0.702466	0.482389	0.84654	Gm15506
ENSMUSG0ENSMUSGC	127.2106	0.095713	0.142833	0.6701	0.502794	0.856225	B130055M:
ENSMUSG0ENSMUSGC	47.40276	-0.1672	0.142895	-1.17009	0.241965	0.689488	Mypopos
ENSMUSG0ENSMUSGC	47.23969	0.047045	0.141315	0.332908	0.739204	0.940232	Gm12264
ENSMUSG0ENSMUSGC	79.82671	0.026471	0.132982	0.199057	0.842219	0.967032	Gm13648
ENSMUSG0ENSMUSGC	66.67415	0.128688	0.137687	0.93464	0.349974	0.771455	Gm15280
ENSMUSG0ENSMUSGC	15415.06	0.095452	0.108296	0.881402	0.3781	0.788987	Gm15500
ENSMUSG0ENSMUSGC	43.70515	0.031698	0.137495	0.230538	0.817674	0.959878	Gm12682
ENSMUSG0ENSMUSGC	63.9262	-0.05291	0.145723	-0.3631	0.716531	0.93588	Gm15510
ENSMUSG0ENSMUSGC	44.71936	0.164585	0.145795	1.128879	0.258949	0.703765	4930511M0
ENSMUSG0ENSMUSGC	40.44243	-0.20232	0.144801	-1.39723	0.162345	0.601189	Gm15408

ENSMUSG0ENSMUSG0	66.34044	0.033934	0.136252	0.249056	0.803317	0.957127	2810403D2
ENSMUSG0ENSMUSG0	37.23401	-0.0384	0.14428	-0.26612	0.790146	0.954487	Gm15743
ENSMUSG0ENSMUSG0	77.34323	0.048942	0.145	0.337528	0.735719	0.93902	Gm16023
ENSMUSG0ENSMUSG0	63.57944	0.103224	0.144099	0.716343	0.473779	0.841932	0610009E0
ENSMUSG0ENSMUSG0	122.258	-0.02818	0.123439	-0.22832	0.819399	0.960195	A630052C1
ENSMUSG0ENSMUSG0	67.29172	-0.01886	0.146007	-0.12914	0.897246	0.98034	Man2c1os
ENSMUSG0ENSMUSG0	52.60779	-0.18738	0.140065	-1.33779	0.180966	0.626514	Gm15816
ENSMUSG0ENSMUSG0	107.5849	-0.06973	0.123978	-0.56242	0.573829	0.890266	Gm15751
ENSMUSG0ENSMUSG0	86.73643	0.230859	0.14352	1.608549	0.107715	0.509853	Gm14546
ENSMUSG0ENSMUSG0	347.964	-0.04782	0.105491	-0.45327	0.650355	0.918867	Isoc2a
ENSMUSG0ENSMUSG0	40.21695	0.039704	0.143991	0.275739	0.782748	0.952394	Gm11642
ENSMUSG0ENSMUSG0	45.02448	0.169411	0.145632	1.163283	0.244715	0.69303	4932702P0
ENSMUSG0ENSMUSG0	89.90752	-0.04954	0.129632	-0.38215	0.702353	0.934077	Gm16222
ENSMUSG0ENSMUSG0	48.64097	-0.033	0.145885	-0.2262	0.821045	0.960727	Gm13613
ENSMUSG0ENSMUSG0	55.5196	-0.11759	0.138182	-0.85101	0.394762	0.796598	Gm15675
ENSMUSG0ENSMUSG0	990.2312	0.022793	0.144963	0.157234	0.87506	0.97593	2410006H1
ENSMUSG0ENSMUSG0	5496.878	0.051848	0.129045	0.401784	0.687843	0.931173	Gm15681
ENSMUSG0ENSMUSG0	457.3913	0.167101	0.133124	1.255231	0.209395	0.65812	Snhg20
ENSMUSG0ENSMUSG0	101.8722	0.099026	0.115512	0.857274	0.391293	0.794949	A230072C0
ENSMUSG0ENSMUSG0	41.23234	0.045062	0.145902	0.308853	0.757433	0.945152	Phf2os1
ENSMUSG0ENSMUSG0	41.24685	0.091822	0.145491	0.63112	0.527962	0.868933	Gm15708
ENSMUSG0ENSMUSG0	230.5432	0.029755	0.117953	0.252263	0.800838	0.956594	Gm13835
ENSMUSG0ENSMUSG0	77.16253	0.062687	0.145264	0.431536	0.666079	0.925067	4930481A1
ENSMUSG0ENSMUSG0	42.15661	0.026359	0.13819	0.190747	0.848724	0.968843	4732414G0
ENSMUSG0ENSMUSG0	114.9487	-0.03779	0.139762	-0.27036	0.786887	0.953782	Rtl10
ENSMUSG0ENSMUSG0	422.974	0.276495	0.109671	2.521126	0.011698	0.167776	4933431E2
ENSMUSG0ENSMUSG0	2025.07	-0.0045	0.14076	-0.032	0.974475	0.996035	Gm13889
ENSMUSG0ENSMUSG0	135.211	0.073827	0.120224	0.61408	0.539162	0.873794	Gm11611
ENSMUSG0ENSMUSG0	98.57075	-0.17305	0.128113	-1.35077	0.17677	0.619699	1700110K1
ENSMUSG0ENSMUSG0	99.60638	-0.23245	0.119091	-1.95184	0.050958	0.364804	Dhrs13os
ENSMUSG0ENSMUSG0	464.3529	0.148099	0.109095	1.357522	0.174616	0.617483	Eldr
ENSMUSG0ENSMUSG0	84.51958	-0.16379	0.126507	-1.29473	0.195413	0.641176	Gm16638
ENSMUSG0ENSMUSG0	426.9875	0.09959	0.134757	0.739035	0.459886	0.832373	Al662270
ENSMUSG0ENSMUSG0	56.20666	0.036618	0.131224	0.279047	0.780208	0.951422	Pcsk2os2
ENSMUSG0ENSMUSG0	116.1113	-0.17154	0.133299	-1.28685	0.198147	0.645235	Gm15545
ENSMUSG0ENSMUSG0	506.8544	0.016831	0.123085	0.136743	0.891234	0.979424	Plcxd2
ENSMUSG0ENSMUSG0	94.28059	-0.06054	0.142964	-0.42347	0.671956	0.926477	2010001A1
ENSMUSG0ENSMUSG0	42.55266	-0.02824	0.142618	-0.19801	0.843035	0.967249	Gm12962
ENSMUSG0ENSMUSG0	369.9386	-0.03435	0.123953	-0.27708	0.781717	0.951693	5530601H0
ENSMUSG0ENSMUSG0	142.9394	0.012665	0.139639	0.090701	0.92773	0.985705	E130307A1
ENSMUSG0ENSMUSG0	129.8625	-0.11782	0.129995	-0.9063	0.364775	0.781919	A230056P1
ENSMUSG0ENSMUSG0	500.9625	0.103727	0.145888	0.711003	0.477083	0.843045	Gm13373
ENSMUSG0ENSMUSG0	97.27191	-0.16054	0.141684	-1.13308	0.257179	0.702434	Lrp8os3
ENSMUSG0ENSMUSG0	342.4919	-0.09046	0.126356	-0.71593	0.474034	0.842005	Lhx1os
ENSMUSG0ENSMUSG0	341.3657	0.116455	0.129742	0.897584	0.369407	0.784801	281040811
ENSMUSG0ENSMUSG0	74.65877	0.015607	0.143163	0.109019	0.913188	0.983954	BC037032
ENSMUSG0ENSMUSG0	43.78619	-0.19623	0.145446	-1.34918	0.177281	0.620181	E030042O2
ENSMUSG0ENSMUSG0	167.402	0.181603	0.144238	1.25905	0.208012	0.656088	E230016M:
ENSMUSG0ENSMUSG0	92.53312	0.09571	0.145868	0.656144	0.511731	0.861175	Gm16062
ENSMUSG0ENSMUSG0	72.06826	-0.0654	0.137809	-0.47454	0.635117	0.912468	2610035D1
ENSMUSG0ENSMUSG0	1885.261	0.021782	0.099007	0.220008	0.825865	0.962521	Lamtor5
ENSMUSG0ENSMUSG0	37.85422	0.042322	0.144901	0.292073	0.770231	0.949297	4933427J0:

ENSMUSG0ENSMUSG0	112.0225	0.108227	0.141871	0.762856	0.445549	0.82397	D330023K1
ENSMUSG0ENSMUSG0	50.60874	0.116273	0.144627	0.80395	0.421426	0.812025	Gm12953
ENSMUSG0ENSMUSG0	59.26335	-0.18048	0.130922	-1.37853	0.168039	0.608392	Lipo2
ENSMUSG0ENSMUSG0	105.6112	0.035481	0.12635	0.280814	0.778853	0.951291	A430035B1
ENSMUSG0ENSMUSG0	62.01429	-0.05617	0.131815	-0.42613	0.670012	0.925403	1810021B2
ENSMUSG0ENSMUSG0	36.98133	-0.02107	0.142549	-0.14781	0.882496	0.97694	Gm15860
ENSMUSG0ENSMUSG0	50.58753	-0.08151	0.145743	-0.55926	0.575983	0.890536	4930404I05
ENSMUSG0ENSMUSG0	104.9996	-0.15079	0.137396	-1.0975	0.272421	0.715515	BC065397
ENSMUSG0ENSMUSG0	797.7875	-0.15554	0.112739	-1.37961	0.167706	0.607654	Tmem170b
ENSMUSG0ENSMUSG0	37.0697	0.203096	0.145594	1.39494	0.163034	0.602041	Gm15541
ENSMUSG0ENSMUSG0	333.0388	0.179091	0.128641	1.392175	0.163869	0.603036	2210408F2
ENSMUSG0ENSMUSG0	75.8984	-0.15751	0.137149	-1.14845	0.250784	0.69752	Gm16008
ENSMUSG0ENSMUSG0	305.682	0.117709	0.112252	1.048617	0.294355	0.733828	Frg2f1
ENSMUSG0ENSMUSG0	128.798	0.011964	0.120797	0.09904	0.921107	0.985705	4933407K1
ENSMUSG0ENSMUSG0	48.21108	-0.06769	0.146011	-0.46362	0.642922	0.914852	Kantr
ENSMUSG0ENSMUSG0	50.28823	0.181447	0.14094	1.287405	0.197953	0.645235	Gm15501
ENSMUSG0ENSMUSG0	60.41971	-0.06086	0.143634	-0.42372	0.671766	0.926477	5730405O1
ENSMUSG0ENSMUSG0	39.38508	-0.09751	0.1454	-0.67064	0.50245	0.856225	Gm14167
ENSMUSG0ENSMUSG0	72.86585	-0.022	0.133546	-0.16474	0.869146	0.974861	Gm14286
ENSMUSG0ENSMUSG0	40.09555	0.207059	0.145286	1.42518	0.154105	0.590874	4930506C2
ENSMUSG0ENSMUSG0	41.67959	-0.19047	0.145651	-1.30771	0.190972	0.638189	Gm16835
ENSMUSG0ENSMUSG0	179.1418	0.135604	0.129619	1.046175	0.29548	0.734835	2810001G2
ENSMUSG0ENSMUSG0	74.00942	-0.09107	0.14597	-0.62387	0.53271	0.871572	Gm16091
ENSMUSG0ENSMUSG0	51.3531	-0.13091	0.146011	-0.89658	0.369943	0.784801	9830144P2
ENSMUSG0ENSMUSG0	58.75066	-0.17241	0.137899	-1.25023	0.211216	0.660426	Zmiz1os1
ENSMUSG0ENSMUSG0	50.77363	-0.12182	0.145658	-0.83636	0.402953	0.799981	Gm16576
ENSMUSG0ENSMUSG0	181.1024	-0.0941	0.143322	-0.65653	0.51148	0.860969	C030037D0
ENSMUSG0ENSMUSG0	88.60008	0.035724	0.13149	0.271684	0.785865	0.953517	Gm12976
ENSMUSG0ENSMUSG0	71.5038	0.086733	0.139637	0.621129	0.534515	0.87213	Ccdc142os
ENSMUSG0ENSMUSG0	169.1351	0.040705	0.141501	0.287666	0.773603	0.949821	Epb41I4aos
ENSMUSG0ENSMUSG0	119.4272	-0.12443	0.135423	-0.91882	0.35819	0.776143	Gm16174
ENSMUSG0ENSMUSG0	570.9027	-0.06121	0.08523	-0.71814	0.472674	0.841589	Zfp111
ENSMUSG0ENSMUSG0	265.4945	-0.00465	0.121297	-0.03832	0.969435	0.995539	5330434G0
ENSMUSG0ENSMUSG0	99.67876	-0.05273	0.144714	-0.3644	0.715561	0.935647	Gm12404
ENSMUSG0ENSMUSG0	254.554	0.115536	0.124738	0.926223	0.35433	0.774327	A230059L0
ENSMUSG0ENSMUSG0	1733.529	0.065439	0.09035	0.724288	0.468889	0.83933	1500009L1
ENSMUSG0ENSMUSG0	39.98798	0.011616	0.143607	0.08089	0.93553	0.986761	Gm15122
ENSMUSG0ENSMUSG0	1534.936	-0.0782	0.087427	-0.8945	0.371056	0.785665	Tmem250-i
ENSMUSG0ENSMUSG0	534.9344	0.12864	0.119652	1.075122	0.28232	0.723398	Pet100
ENSMUSG0ENSMUSG0	818.9667	-0.3156	0.084224	-3.74715	0.000179	0.012079	A530058N1
ENSMUSG0ENSMUSG0	1009.322	0.05585	0.117689	0.474555	0.635104	0.912468	Gm24245
ENSMUSG0ENSMUSG0	46.61344	-0.04419	0.080069	-0.55193	0.580995	0.892821	Rmrp
ENSMUSG0ENSMUSG0	55.51147	0.196277	0.145014	1.353507	0.175894	0.618566	Gm14057
ENSMUSG0ENSMUSG0	2095.484	-0.27626	0.080858	-3.41658	0.000634	0.027521	Bcl2I2
ENSMUSG0ENSMUSG0	946.5436	0.13426	0.14428	0.930552	0.352086	0.773558	Galnt2
ENSMUSG0ENSMUSG0	454.6174	-0.15511	0.127845	-1.21325	0.225033	0.674924	B230216N2
ENSMUSG0ENSMUSG0	7681.982	0.086605	0.073404	1.179847	0.238061	0.686996	Cbx6
ENSMUSG0ENSMUSG0	129.9782	-0.44885	0.136008	-3.30016	0.000966	0.03608	Tgfb3I
ENSMUSG0ENSMUSG0	128.7772	-0.05626	0.145989	-0.38538	0.699959	0.933914	Zfp966
ENSMUSG0ENSMUSG0	165.5941	0.445833	0.126978	3.511121	0.000446	0.022423	3632454L2
ENSMUSG0ENSMUSG0	163.9862	-0.07459	0.137044	-0.54429	0.586241	0.894128	Ier5I
ENSMUSG0ENSMUSG0	152.6126	0.023684	0.132924	0.178179	0.858582	0.972352	Tmsb15b1

ENSMUSG0ENSMUSG0	246.7975	0.110982	0.145612	0.762173	0.445957	0.824037	Slc5a3
ENSMUSG0ENSMUSG0	642.0051	0.103173	0.130734	0.789185	0.430004	0.815671	Rasgef1b
ENSMUSG0ENSMUSG0	610.1066	-0.07257	0.090899	-0.79831	0.424693	0.814005	Gm16536
ENSMUSG0ENSMUSG0	1261.558	0.028006	0.116138	0.241142	0.809445	0.958353	Rbm12
ENSMUSG0ENSMUSG0	1101.569	0.097207	0.122097	0.796145	0.425948	0.81459	Shkbp1
ENSMUSG0ENSMUSG0	1325.404	0.092276	0.102487	0.900366	0.367925	0.784004	Timm10b
ENSMUSG0ENSMUSG0	133.4649	-0.12186	0.139637	-0.87266	0.382849	0.790739	Zfp882
ENSMUSG0ENSMUSG0	987.516	0.038337	0.103631	0.369939	0.711428	0.935647	Umad1
ENSMUSG0ENSMUSG0	301.0018	0.181919	0.095821	1.898521	0.057627	0.387668	Rps6kc1
ENSMUSG0ENSMUSG0	52.56582	0.209662	0.139013	1.508216	0.131499	0.552751	9230117E0
ENSMUSG0ENSMUSG0	178.0564	0.006874	0.124227	0.055333	0.955874	0.992734	Etohd2
ENSMUSG0ENSMUSG0	634.4257	0.113743	0.093517	1.216286	0.223876	0.673834	Tmem102
ENSMUSG0ENSMUSG0	82.61769	-0.27511	0.138277	-1.98957	0.046639	0.348544	0610040B1
ENSMUSG0ENSMUSG0	617.1847	0.019538	0.121119	0.161312	0.871848	0.975692	Gm8113
ENSMUSG0ENSMUSG0	2216.995	0.007028	0.085358	0.082338	0.934378	0.986608	Mfsd14a
ENSMUSG0ENSMUSG0	1142.612	-0.11485	0.109712	-1.0468	0.295192	0.734381	Uckl1
ENSMUSG0ENSMUSG0	155.6868	0.027435	0.114131	0.240384	0.810032	0.958353	Gm16199
ENSMUSG0ENSMUSG0	288.2926	-0.18821	0.136687	-1.37697	0.168521	0.609005	Gm4117
ENSMUSG0ENSMUSG0	125.3458	0.05489	0.120977	0.45372	0.65003	0.918867	Gm14435
ENSMUSG0ENSMUSG0	888.7866	0.024412	0.135346	0.180367	0.856864	0.971767	Tmsb15b2
ENSMUSG0ENSMUSG0	47.55889	0.075918	0.144952	0.523743	0.600457	0.899005	Phtf1os
ENSMUSG0ENSMUSG0	2128.066	0.012203	0.087319	0.139757	0.888852	0.978618	Ier3ip1
ENSMUSG0ENSMUSG0	452.7839	0.016961	0.074479	0.227731	0.819855	0.960195	Gm15446
ENSMUSG0ENSMUSG0	106.7667	-0.2912	0.142767	-2.03966	0.041384	0.330484	4732440D0
ENSMUSG0ENSMUSG0	69.71069	-0.18637	0.135071	-1.37983	0.167639	0.607654	E430024P1
ENSMUSG0ENSMUSG0	1970.504	-0.05091	0.083147	-0.61232	0.540324	0.873794	Cdk5r2
ENSMUSG0ENSMUSG0	451.6391	0.036426	0.114157	0.319091	0.749657	0.942352	Lime1
ENSMUSG0ENSMUSG0	732.4289	0.144678	0.097049	1.490777	0.13602	0.562382	Rnf8
ENSMUSG0ENSMUSG0	241.2007	-0.20217	0.101828	-1.98541	0.047099	0.349224	Al480526
ENSMUSG0ENSMUSG0	109.6023	0.15144	0.141337	1.071487	0.28395	0.725004	Gm14399
ENSMUSG0ENSMUSG0	49.55417	0.000944	0.136875	0.0069	0.994495	0.998655	Alms1-ps2
ENSMUSG0ENSMUSG0	1044.229	0.050227	0.087186	0.576095	0.564551	0.885853	Ttbk2
ENSMUSG0ENSMUSG0	312.0864	-0.17305	0.116066	-1.49094	0.135976	0.562375	Slmapos2
ENSMUSG0ENSMUSG0	267.79	0.035662	0.124162	0.287219	0.773944	0.949821	Cmc4
ENSMUSG0ENSMUSG0	1003.365	0.072296	0.104799	0.689854	0.490286	0.851511	Shprh
ENSMUSG0ENSMUSG0	1099.727	-0.03887	0.104626	-0.37153	0.71024	0.935164	Usp49
ENSMUSG0ENSMUSG0	4618.758	0.130046	0.107602	1.208592	0.22682	0.67631	Gm10177
ENSMUSG0ENSMUSG0	5058.553	0.052304	0.137272	0.381023	0.703186	0.934077	Uba52
ENSMUSG0ENSMUSG0	1064.508	0.028239	0.076737	0.367999	0.712874	0.935647	Acad11
ENSMUSG0ENSMUSG0	36.6689	-0.02768	0.14535	-0.19042	0.848984	0.968952	Gm16534
ENSMUSG0ENSMUSG0	205.7936	-0.12329	0.119659	-1.03032	0.302862	0.739759	Ugt1a9
ENSMUSG0ENSMUSG0	67.62852	-0.04009	0.136839	-0.29295	0.769561	0.949297	4930524OC
ENSMUSG0ENSMUSG0	87.16328	-0.09642	0.143261	-0.67305	0.500913	0.855681	Itga10
ENSMUSG0ENSMUSG0	1852.403	0.142259	0.053461	2.660963	0.007792	0.133762	Tmem189
ENSMUSG0ENSMUSG0	6374.766	0.348387	0.14318	2.433203	0.014966	0.191436	Pcp4
ENSMUSG0ENSMUSG0	56.78776	-0.22373	0.136087	-1.64399	0.100179	0.493095	Gm16315
ENSMUSG0ENSMUSG0	338.8364	-0.41269	0.120359	-3.42884	0.000606	0.026653	Cfb
ENSMUSG0ENSMUSG0	483.4341	-0.32374	0.128017	-2.52889	0.011442	0.16571	Car15
ENSMUSG0ENSMUSG0	581.1088	0.103161	0.116692	0.884041	0.376674	0.788552	Bloc1s1
ENSMUSG0ENSMUSG0	87.78435	-0.13521	0.139168	-0.97158	0.331257	0.757395	Gm16028
ENSMUSG0ENSMUSG0	1785.526	-0.00975	0.110033	-0.0886	0.929401	0.985827	Churc1
ENSMUSG0ENSMUSG0	90.2231	0.378149	0.145889	2.592028	0.009541	0.149516	Eif4ebp3

ENSMUSG0ENSMUSG0	531.5371	-0.03138	0.128872	-0.24348	0.807634	0.958353	Mettl23
ENSMUSG0ENSMUSG0	140.2853	0.16754	0.145987	1.147633	0.25112	0.697718	Mndal
ENSMUSG0ENSMUSG0	71.21495	-0.03477	0.143826	-0.24175	0.80897	0.958353	Prr22
ENSMUSG0ENSMUSG0	299.4584	-0.15938	0.131793	-1.20933	0.226535	0.675764	Tarbp1
ENSMUSG0ENSMUSG0	2007.567	-0.37028	0.109095	-3.3941	0.000689	0.029218	Lrrc10b
ENSMUSG0ENSMUSG0	353.4613	-0.01837	0.087642	-0.20956	0.834008	0.964464	9130221H1
ENSMUSG0ENSMUSG0	62.83936	0.004253	0.140643	0.030241	0.975875	0.996296	4932443119
ENSMUSG0ENSMUSG0	361.6541	0.075518	0.145996	0.517263	0.604973	0.902027	Gm3512
ENSMUSG0ENSMUSG0	444.7137	0.074806	0.144015	0.519432	0.603459	0.900674	Gm6158
ENSMUSG0ENSMUSG0	47.40739	0.036602	0.143356	0.255321	0.798475	0.956402	Mir99ahg
ENSMUSG0ENSMUSG0	138.8723	-0.38407	0.144906	-2.65047	0.008038	0.13687	4930523C0
ENSMUSG0ENSMUSG0	2388.299	0.167699	0.093561	1.792408	0.073068	0.431177	Snrpe
ENSMUSG0ENSMUSG0	63.43768	-0.42464	0.140043	-3.03218	0.002428	0.06576	A930033H1
ENSMUSG0ENSMUSG0	41.82846	0.05993	0.143392	0.417946	0.675987	0.927604	Gm20721
ENSMUSG0ENSMUSG0	290.3504	-0.05831	0.096178	-0.60632	0.544303	0.87522	Tex9
ENSMUSG0ENSMUSG0	77.04824	-0.07282	0.129881	-0.5607	0.575	0.890536	Zfp712
ENSMUSG0ENSMUSG0	106.4027	0.202289	0.13803	1.465547	0.142772	0.572071	Gm340
ENSMUSG0ENSMUSG0	264.7298	0.181435	0.14585	1.243984	0.213505	0.663369	Gm3667
ENSMUSG0ENSMUSG0	45.69593	0.121326	0.145902	0.831558	0.405659	0.80178	Apold1
ENSMUSG0ENSMUSG0	155.0606	0.086826	0.144883	0.599279	0.548987	0.878216	Gm8237
ENSMUSG0ENSMUSG0	308.4704	-0.0578	0.122232	-0.47283	0.636334	0.912525	Rps27
ENSMUSG0ENSMUSG0	390.5512	0.472485	0.111423	4.240447	2.23E-05	0.002639	Gm17201
ENSMUSG0ENSMUSG0	59.02622	0.056995	0.140476	0.405731	0.68494	0.931173	Samd15
ENSMUSG0ENSMUSG0	12487.54	0.107474	0.117685	0.913235	0.361119	0.779001	Myl6
ENSMUSG0ENSMUSG0	8104.492	0.154412	0.104078	1.483617	0.137911	0.565476	Rps13
ENSMUSG0ENSMUSG0	743.5886	0.219445	0.14581	1.50501	0.132322	0.555028	Hspa1b
ENSMUSG0ENSMUSG0	1648.14	0.013009	0.089122	0.145971	0.883944	0.97731	Synj2bp
ENSMUSG0ENSMUSG0	180.876	-0.20328	0.102934	-1.97485	0.048285	0.354755	Ccdc71l
ENSMUSG0ENSMUSG0	205.5126	-0.01851	0.129682	-0.14272	0.886514	0.978048	Gm17251
ENSMUSG0ENSMUSG0	186.4012	0.194408	0.136045	1.428994	0.153006	0.589065	Gm17655
ENSMUSG0ENSMUSG0	84.53874	0.13515	0.135968	0.993989	0.320228	0.750867	Olfr718-ps1
ENSMUSG0ENSMUSG0	82.64256	0.153126	0.135862	1.127066	0.259714	0.704211	Gm17300
ENSMUSG0ENSMUSG0	169.6086	-0.07532	0.126415	-0.59578	0.551322	0.880268	9330020H0
ENSMUSG0ENSMUSG0	61.30875	0.054965	0.138022	0.398236	0.690456	0.931679	Phf11c
ENSMUSG0ENSMUSG0	476.4867	0.050179	0.087885	0.570963	0.568025	0.888146	Gm5141
ENSMUSG0ENSMUSG0	3090.846	0.097099	0.113005	0.859248	0.390204	0.794806	Gm20390
ENSMUSG0ENSMUSG0	993.5608	0.053461	0.06216	0.860057	0.389758	0.794806	Smim13
ENSMUSG0ENSMUSG0	163.3108	0.15335	0.134176	1.142904	0.253078	0.698946	Gm3248
ENSMUSG0ENSMUSG0	69.04146	0.111051	0.136079	0.816082	0.414453	0.807888	Gm1818
ENSMUSG0ENSMUSG0	5058.524	-0.03859	0.082057	-0.47029	0.638145	0.913202	Eid1
ENSMUSG0ENSMUSG0	45.2953	0.030475	0.141217	0.2158	0.829144	0.963218	Speer5-ps1
ENSMUSG0ENSMUSG0	125.2957	0.192768	0.145609	1.323879	0.185543	0.631891	Gm3164
ENSMUSG0ENSMUSG0	43.10356	0.079326	0.143496	0.552812	0.580392	0.892821	Gm17509
ENSMUSG0ENSMUSG0	97.22791	0.288454	0.14436	1.998159	0.045699	0.344343	Gm17084
ENSMUSG0ENSMUSG0	138.8364	0.174839	0.144111	1.21323	0.225042	0.674924	Gm3739
ENSMUSG0ENSMUSG0	422.6972	-0.05128	0.136336	-0.37614	0.706816	0.934791	2610021A0
ENSMUSG0ENSMUSG0	224.6294	0.242623	0.129401	1.874973	0.060796	0.397109	Gm17066
ENSMUSG0ENSMUSG0	2063.325	0.079942	0.100928	0.792064	0.428323	0.815119	Lamtor3
ENSMUSG0ENSMUSG0	4496.231	0.194383	0.106753	1.82086	0.068628	0.42107	Tma7
ENSMUSG0ENSMUSG0	42.81631	-0.25082	0.14266	-1.75817	0.078719	0.445187	Gm17167
ENSMUSG0ENSMUSG0	276.0876	0.061166	0.116699	0.524141	0.600181	0.898993	Gm6548
ENSMUSG0ENSMUSG0	137.0479	0.070265	0.141327	0.497181	0.619062	0.907335	Crybg3

ENSMUSG0ENSMUSG0	79.35542	-0.01285	0.140162	-0.0917	0.926935	0.985705	Gm8108
ENSMUSG0ENSMUSG0	111.7953	0.08283	0.134678	0.615026	0.538537	0.873794	Gm8206
ENSMUSG0ENSMUSG0	55.34637	0.021316	0.13595	0.156791	0.875409	0.97593	Gm6211
ENSMUSG0ENSMUSG0	106.0604	-0.05002	0.13383	-0.37378	0.708564	0.934791	Cyp4f17
ENSMUSG0ENSMUSG0	126.055	0.179892	0.140525	1.280142	0.200495	0.647974	Gm3752
ENSMUSG0ENSMUSG0	630.6971	0.123146	0.104722	1.175931	0.239622	0.688236	Lsm5
ENSMUSG0ENSMUSG0	446.3358	-0.17279	0.093222	-1.85349	0.063813	0.40654	Akain1
ENSMUSG0ENSMUSG0	2064.98	-0.14506	0.074396	-1.94978	0.051202	0.365419	H2-Q2
ENSMUSG0ENSMUSG0	50.61777	-0.00178	0.143468	-0.01238	0.990121	0.998539	Yy2
ENSMUSG0ENSMUSG0	579.5738	0.261743	0.132564	1.974468	0.048329	0.354755	Gm3636
ENSMUSG0ENSMUSG0	116.4036	-0.03055	0.113485	-0.26923	0.787749	0.954125	Zfp964
ENSMUSG0ENSMUSG0	112.2596	-0.04548	0.105751	-0.43004	0.667164	0.925067	Sco2
ENSMUSG0ENSMUSG0	1263.258	0.045139	0.116759	0.386603	0.69905	0.933914	Cox16
ENSMUSG0ENSMUSG0	593.6781	-0.00454	0.129436	-0.0351	0.972	0.995539	Inafm1
ENSMUSG0ENSMUSG0	5970.535	0.069544	0.058022	1.198582	0.230691	0.68059	Ube2d2a
ENSMUSG0ENSMUSG0	67.97276	-0.01592	0.144282	-0.11036	0.912125	0.983954	Tnnc1
ENSMUSG0ENSMUSG0	536.0903	-0.00224	0.105273	-0.02125	0.983045	0.997428	Gon7
ENSMUSG0ENSMUSG0	1993.005	-0.10099	0.133403	-0.75705	0.449023	0.825078	C2cd4b
ENSMUSG0ENSMUSG0	187.0774	-0.11101	0.115361	-0.96227	0.335916	0.759377	Rps2-ps10
ENSMUSG0ENSMUSG0	447.4181	0.095129	0.144845	0.656762	0.511334	0.860852	Hspa1a
ENSMUSG0ENSMUSG0	138.9165	-0.18088	0.114297	-1.58252	0.11353	0.519695	Gm17354
ENSMUSG0ENSMUSG0	173.9478	0.06207	0.14138	0.439026	0.660643	0.923436	E130317F2l
ENSMUSG0ENSMUSG0	56.29809	-0.14981	0.141586	-1.0581	0.290009	0.729772	Bend4
ENSMUSG0ENSMUSG0	2859.055	0.115096	0.13155	0.874923	0.381616	0.790739	Dynlt1a
ENSMUSG0ENSMUSG0	448.1897	-0.0143	0.114138	-0.12527	0.900307	0.981243	Kcnb2
ENSMUSG0ENSMUSG0	398.2378	-0.1567	0.125376	-1.24984	0.211358	0.660665	Gm3294
ENSMUSG0ENSMUSG0	466.6642	-0.17838	0.087176	-2.04618	0.040739	0.32844	Fancf
ENSMUSG0ENSMUSG0	166.744	-0.00065	0.145215	-0.00445	0.996447	0.998852	Gm3696
ENSMUSG0ENSMUSG0	367.4803	-0.00023	0.102834	-0.00223	0.998219	0.998981	Gm45351
ENSMUSG0ENSMUSG0	80.73069	0.06434	0.128157	0.502041	0.615638	0.906204	Gm20457
ENSMUSG0ENSMUSG0	597.6384	0.12093	0.136508	0.885879	0.375683	0.78793	1110038B1
ENSMUSG0ENSMUSG0	39.99759	-0.36949	0.144034	-2.56531	0.010308	0.156583	Gm20522
ENSMUSG0ENSMUSG0	312.786	-0.05669	0.093379	-0.60707	0.543808	0.875214	Zfp963
ENSMUSG0ENSMUSG0	9652.554	-0.30351	0.12731	-2.38404	0.017124	0.203675	Neat1
ENSMUSG0ENSMUSG0	115.5466	-0.1798	0.145835	-1.23289	0.217615	0.668044	Dtnbos
ENSMUSG0ENSMUSG0	2578.396	0.14928	0.093139	1.602764	0.108987	0.511885	Gm20388
ENSMUSG0ENSMUSG0	7278.005	0.034597	0.106766	0.324049	0.745901	0.941322	Malat1
ENSMUSG0ENSMUSG0	38.83638	0.057723	0.144379	0.399803	0.689302	0.931451	A930015DC
ENSMUSG0ENSMUSG0	80.75316	-0.01754	0.132581	-0.13232	0.894734	0.97986	Gm20507
ENSMUSG0ENSMUSG0	149.1739	-0.2013	0.123282	-1.63283	0.102504	0.499227	Zfp141
ENSMUSG0ENSMUSG0	494.6593	0.092327	0.110031	0.8391	0.401413	0.79975	Gpank1
ENSMUSG0ENSMUSG0	177.1	0.01597	0.137703	0.115975	0.907672	0.982338	Gm20518
ENSMUSG0ENSMUSG0	2804.227	0.165122	0.124556	1.325682	0.184945	0.631891	2610524H0
ENSMUSG0ENSMUSG0	893.6723	-0.00915	0.099728	-0.09179	0.926865	0.985705	Med20
ENSMUSG0ENSMUSG0	106.1102	0.12117	0.130496	0.92854	0.353128	0.773559	BC051226
ENSMUSG0ENSMUSG0	209.4163	-0.18149	0.110423	-1.64359	0.100261	0.493259	Plut
ENSMUSG0ENSMUSG0	156.6508	0.060162	0.133899	0.449311	0.653208	0.919812	Gm20427
ENSMUSG0ENSMUSG0	700.7627	0.037279	0.096812	0.385066	0.700188	0.933914	Scnm1
ENSMUSG0ENSMUSG0	72.62453	-0.06384	0.09173	-0.696	0.486427	0.849388	Rpph1
ENSMUSG0ENSMUSG0	89.16103	-0.11374	0.143179	-0.79437	0.426982	0.81459	Mir5125
ENSMUSG0ENSMUSG0	39.02965	0.092294	0.145272	0.635318	0.525221	0.868245	A330044P1
ENSMUSG0ENSMUSG0	697.1705	0.119216	0.124685	0.956141	0.339001	0.761968	Lrch4

ENSMUSG0ENSMUSG0	38.52392	-0.23037	0.145868	-1.57933	0.11426	0.521445	Zfhx2os
ENSMUSG0ENSMUSG0	62.22941	0.045998	0.141468	0.325144	0.745072	0.941278	AA465934
ENSMUSG0ENSMUSG0	40.29062	0.231705	0.118751	1.951187	0.051035	0.364804	Gm20708
ENSMUSG0ENSMUSG0	246.7166	0.46553	0.114882	4.052241	5.07E-05	0.00506	Rab26os
ENSMUSG0ENSMUSG0	237.8282	0.14628	0.138121	1.059075	0.289565	0.729068	Gm20683
ENSMUSG0ENSMUSG0	56.64107	-0.17912	0.136107	-1.31599	0.188178	0.635637	B130034C1
ENSMUSG0ENSMUSG0	47.06555	-0.21052	0.141747	-1.48521	0.137489	0.564547	Prox2os
ENSMUSG0ENSMUSG0	638.4831	-0.42791	0.115293	-3.71153	0.000206	0.012989	Eif4e3
ENSMUSG0ENSMUSG0	30313.5	0.129243	0.111331	1.160891	0.245686	0.693666	Rpl41
ENSMUSG0ENSMUSG0	187.0238	0.041763	0.124497	0.335453	0.737283	0.939837	Gm20712
ENSMUSG0ENSMUSG0	164.9647	0.0218	0.110175	0.197866	0.84315	0.967249	Gm20667
ENSMUSG0ENSMUSG0	3496.311	-0.02574	0.078906	-0.32622	0.744259	0.940717	Gm20716
ENSMUSG0ENSMUSG0	102.4819	0.060024	0.068796	0.872487	0.382943	0.790739	Hist2h3c1
ENSMUSG0ENSMUSG0	499.3106	-0.10301	0.119324	-0.86329	0.38798	0.793593	Ppp2r3d
ENSMUSG0ENSMUSG0	4919.948	0.062825	0.102865	0.610751	0.541364	0.874714	Tomm20
ENSMUSG0ENSMUSG0	93.33889	-0.0026	0.14285	-0.01823	0.985455	0.997695	Gm379
ENSMUSG0ENSMUSG0	2843.987	0.437535	0.126092	3.469976	0.000521	0.024269	Hmgcs1
ENSMUSG0ENSMUSG0	113.7655	0.107031	0.120406	0.888916	0.374048	0.787458	Olf46
ENSMUSG0ENSMUSG0	217.1943	0.096151	0.127221	0.755779	0.449782	0.825539	Gm2237
ENSMUSG0ENSMUSG0	145.1819	0.08371	0.144415	0.579649	0.562151	0.885011	Gm10406
ENSMUSG0ENSMUSG0	5125.966	-0.00896	0.097354	-0.09202	0.926684	0.985705	Rnasek
ENSMUSG0ENSMUSG0	393.3095	0.064984	0.12145	0.535073	0.592599	0.895885	1700047117
ENSMUSG0ENSMUSG0	45.91072	-0.00581	0.113516	-0.05119	0.959174	0.993224	Calhm3
ENSMUSG0ENSMUSG0	488.0195	0.056365	0.138073	0.408223	0.68311	0.930324	Olf4784
ENSMUSG0ENSMUSG0	185.5666	-0.01229	0.114409	-0.10743	0.914447	0.984092	Gm21982
ENSMUSG0ENSMUSG0	173.791	0.105537	0.137007	0.770304	0.44112	0.821346	Gm3373
ENSMUSG0ENSMUSG0	124.4003	-0.04778	0.141269	-0.33825	0.735175	0.938791	Gm15097
ENSMUSG0ENSMUSG0	288.0799	0.105332	0.143475	0.734147	0.462859	0.83498	Gm38394
ENSMUSG0ENSMUSG0	131.3701	-0.01751	0.134469	-0.13024	0.89638	0.98034	Gm9830
ENSMUSG0ENSMUSG0	109.9428	-0.04573	0.14131	-0.3236	0.746244	0.941322	Zfp955a
ENSMUSG0ENSMUSG0	210.2751	0.032171	0.133737	0.240552	0.809902	0.958353	Gm21897
ENSMUSG0ENSMUSG0	8582.959	0.07845	0.08401	0.933821	0.350396	0.772004	Purb
ENSMUSG0ENSMUSG0	80.48344	-0.12543	0.131528	-0.95366	0.340257	0.763413	Gm21244
ENSMUSG0ENSMUSG0	405.468	0.01684	0.126079	0.133564	0.893747	0.979634	Smim18
ENSMUSG0ENSMUSG0	192.9402	-0.041	0.1123	-0.36506	0.71507	0.935647	Fsbbp
ENSMUSG0ENSMUSG0	156.2448	-0.21864	0.145635	-1.50127	0.133286	0.555893	Tmem121b
ENSMUSG0ENSMUSG0	40.35949	0.061251	0.12143	0.504412	0.613972	0.905746	Gm3252
ENSMUSG0ENSMUSG0	279.9993	-0.04585	0.145899	-0.31424	0.753337	0.943881	Gm3468
ENSMUSG0ENSMUSG0	4683.875	-0.01779	0.06203	-0.28674	0.77431	0.949821	Gm10359
ENSMUSG0ENSMUSG0	2791.43	-0.03047	0.1192	-0.2556	0.798258	0.956402	Rnaset2b
ENSMUSG0ENSMUSG0	66.3385	0.097136	0.143673	0.676087	0.498986	0.854405	Gm14403
ENSMUSG0ENSMUSG0	169.9001	0.077036	0.140534	0.548167	0.583577	0.892957	Gm3194
ENSMUSG0ENSMUSG0	1564.759	0.056282	0.115427	0.487602	0.625832	0.908601	Zfp131
ENSMUSG0ENSMUSG0	73.20294	-0.13241	0.145993	-0.90696	0.364427	0.781659	Ott
ENSMUSG0ENSMUSG0	888.6126	-0.00648	0.111941	-0.0579	0.953826	0.992357	Gm4791
ENSMUSG0ENSMUSG0	97.84104	0.196452	0.145253	1.352481	0.176221	0.619068	D430019H1
ENSMUSG0ENSMUSG0	647.8946	0.129314	0.097651	1.324242	0.185423	0.631891	Rbm4
ENSMUSG0ENSMUSG0	205.4337	0.0569	0.108623	0.523833	0.600394	0.899005	Gm3604
ENSMUSG0ENSMUSG0	9332.564	-0.05148	0.079313	-0.64911	0.516267	0.863162	AC149090.1
ENSMUSG0ENSMUSG0	514.5951	0.106095	0.13728	0.772834	0.43962	0.820656	Ccdc85b
ENSMUSG0ENSMUSG0	120.9466	-0.01363	0.138062	-0.09872	0.921364	0.985705	Edaradd
ENSMUSG0ENSMUSG0	284.0713	-0.029	0.093978	-0.30854	0.757674	0.945201	Gm21781

ENSMUSG0ENSMUSG0	45.84534	0.146402	0.13228	1.106765	0.268396	0.711835	Rhox5
ENSMUSG0ENSMUSG0	131.622	0.03988	0.13103	0.304359	0.760854	0.946078	Gm20939
ENSMUSG0ENSMUSG0	323.7157	-0.12257	0.122951	-0.99693	0.318798	0.75032	Zfp799
ENSMUSG0ENSMUSG0	49.93409	-0.13521	0.143153	-0.94449	0.344921	0.766383	Gfy
ENSMUSG0ENSMUSG0	332.1118	0.23262	0.145194	1.602136	0.109126	0.512227	Gm3488
ENSMUSG0ENSMUSG0	94.36147	0.014851	0.136977	0.108417	0.913665	0.983954	Zfp870
ENSMUSG0ENSMUSG0	192.176	0.138477	0.11391	1.215663	0.224113	0.673874	Gm14325
ENSMUSG0ENSMUSG0	63.09332	-0.07002	0.143998	-0.48623	0.626805	0.909718	Gm21092
ENSMUSG0ENSMUSG0	609.9897	0.038657	0.099677	0.387825	0.698146	0.933691	Zfp748
ENSMUSG0ENSMUSG0	136.4149	-0.19813	0.121046	-1.63677	0.101678	0.497207	Figl12
ENSMUSG0ENSMUSG0	1034.621	-0.30777	0.094294	-3.26395	0.001099	0.038969	Entpd4
ENSMUSG0ENSMUSG0	2457.67	0.032286	0.070935	0.455147	0.649003	0.918565	Noc2l
ENSMUSG0ENSMUSG0	2283.68	0.070668	0.091007	0.776518	0.437443	0.819028	Fam177a
ENSMUSG0ENSMUSG0	4215.577	0.083802	0.117735	0.711782	0.4766	0.843045	Gm6472
ENSMUSG0ENSMUSG0	53.98199	0.17669	0.145633	1.21326	0.22503	0.674924	Gm2004
ENSMUSG0ENSMUSG0	4031.083	0.048113	0.10726	0.448566	0.653745	0.919812	Dynlt1f
ENSMUSG0ENSMUSG0	203.5816	0.268384	0.14535	1.846459	0.064826	0.410694	Gm8281
ENSMUSG0ENSMUSG0	900.9789	-0.07621	0.141951	-0.53689	0.591345	0.895697	Rnaset2a
ENSMUSG0ENSMUSG0	439.4627	0.112911	0.144106	0.783529	0.433316	0.817251	CAAA01147
ENSMUSG0ENSMUSG0	45.15128	-0.1181	0.144439	-0.81764	0.413564	0.807495	Nupr1l
ENSMUSG0ENSMUSG0	36.67104	-0.07586	0.145329	-0.52196	0.601696	0.899471	Gm21960
ENSMUSG0ENSMUSG0	790.7879	-0.1975	0.126478	-1.56157	0.11839	0.528824	Gm13237
ENSMUSG0ENSMUSG0	55.41085	-0.10748	0.145016	-0.74113	0.458616	0.832245	Gm15128
ENSMUSG0ENSMUSG0	54.62128	-0.04501	0.134164	-0.33549	0.737259	0.939837	Olf204
ENSMUSG0ENSMUSG0	200.3721	0.008044	0.141913	0.056683	0.954798	0.992605	Nim1k
ENSMUSG0ENSMUSG0	4683.783	-0.01779	0.06203	-0.28679	0.774273	0.949821	Gm12671
ENSMUSG0ENSMUSG0	360.5843	0.08493	0.094367	0.89999	0.368126	0.784139	Zfp97
ENSMUSG0ENSMUSG0	248.5391	0.0446	0.14572	0.306064	0.759556	0.945578	Gm3500
ENSMUSG0ENSMUSG0	390.5075	0.04999	0.145575	0.343399	0.731299	0.938791	D830030K2
ENSMUSG0ENSMUSG0	430.3379	0.045644	0.139884	0.326296	0.7442	0.940717	Syne1
ENSMUSG0ENSMUSG0	71.60648	-0.0718	0.133549	-0.53764	0.590824	0.895697	Gm21986
ENSMUSG0ENSMUSG0	38.01195	-0.17131	0.145872	-1.17441	0.24023	0.688236	Dnah7a
ENSMUSG0ENSMUSG0	3418.15	0.177389	0.097542	1.818587	0.068974	0.421143	Vkorc1
ENSMUSG0ENSMUSG0	4271.486	-0.10756	0.078263	-1.3743	0.169348	0.610039	Kcnj11
ENSMUSG0ENSMUSG0	6016.11	0.102317	0.100363	1.019465	0.307982	0.743099	Cmtm4
ENSMUSG0ENSMUSG0	469.2927	-0.14252	0.101713	-1.40118	0.161161	0.600735	Pthrhd1
ENSMUSG0ENSMUSG0	7184.198	-0.1046	0.077541	-1.34895	0.177352	0.620267	H1f0
ENSMUSG0ENSMUSG0	74.9855	0.012817	0.141335	0.090684	0.927744	0.985705	Smim22
ENSMUSG0ENSMUSG0	239.5127	0.13589	0.119253	1.13951	0.25449	0.700275	1500002C1
ENSMUSG0ENSMUSG0	8035.072	0.140323	0.123523	1.136008	0.255953	0.702061	Dynlt1b
ENSMUSG0ENSMUSG0	446.0435	-0.00769	0.120805	-0.06365	0.949247	0.991149	Gm21992
ENSMUSG0ENSMUSG0	153.7896	-0.16116	0.120046	-1.34248	0.179441	0.623409	Gm21811
ENSMUSG0ENSMUSG0	659.0539	-0.0558	0.10633	-0.52478	0.599738	0.898934	Zfp994
ENSMUSG0ENSMUSG0	464.6474	0.00434	0.105689	0.041065	0.967244	0.995086	Moap1
ENSMUSG0ENSMUSG0	4387.453	0.112083	0.08185	1.369367	0.170884	0.612136	Cdkn2d
ENSMUSG0ENSMUSG0	73.71511	0.058023	0.144129	0.402579	0.687258	0.931173	Gm10409
ENSMUSG0ENSMUSG0	92.04931	-0.36253	0.141852	-2.5557	0.010597	0.158985	Tpbgl
ENSMUSG0ENSMUSG0	36.90552	0.073029	0.144963	0.503779	0.614417	0.905841	Gm5559
ENSMUSG0ENSMUSG0	182.1896	0.053211	0.13974	0.380784	0.703364	0.934114	Gm3383
ENSMUSG0ENSMUSG0	275.3335	-0.15512	0.097305	-1.59412	0.110908	0.515233	Mfsd4b4
ENSMUSG0ENSMUSG0	256.2816	0.089349	0.128129	0.697336	0.485593	0.848425	Zfp960
ENSMUSG0ENSMUSG0	106.0187	-0.31927	0.145468	-2.19481	0.028177	0.269415	Psmb9

ENSMUSG0ENSMUSG0	404.962	0.516961	0.141421	3.655479	0.000257	0.015183	Lbhd1
ENSMUSG0ENSMUSG0	2247.525	-0.07979	0.127082	-0.62783	0.530115	0.869704	Erdr1
ENSMUSG0ENSMUSG0	41.65981	0.227111	0.138875	1.635365	0.101973	0.497833	Gm5796
ENSMUSG0ENSMUSG0	2065.651	-0.1103	0.090848	-1.21408	0.224719	0.674863	Tmem181b
ENSMUSG0ENSMUSG0	48.09678	0.208424	0.130406	1.598269	0.109983	0.513498	Gm3002
ENSMUSG0ENSMUSG0	288.772	-0.16876	0.103534	-1.63003	0.103094	0.499892	Zfp433
ENSMUSG0ENSMUSG0	55.0573	-0.04245	0.138054	-0.30747	0.758482	0.945377	Olfr344
ENSMUSG0ENSMUSG0	1304.879	-0.04439	0.07852	-0.5654	0.571805	0.889585	Tmem151b
ENSMUSG0ENSMUSG0	264.8964	-0.0844	0.106917	-0.78943	0.429863	0.815671	Gm10778
ENSMUSG0ENSMUSG0	74.31654	0.170072	0.146011	1.164794	0.244102	0.691802	Gm3591
ENSMUSG0ENSMUSG0	89.73819	0.020387	0.139867	0.145758	0.884112	0.977415	Zfp955b
ENSMUSG0ENSMUSG0	431.72	0.239891	0.103149	2.325678	0.020036	0.224132	Zfp850
ENSMUSG0ENSMUSG0	216.7916	0.067532	0.145967	0.462649	0.643616	0.914944	2500002B1
ENSMUSG0ENSMUSG0	157.0979	-0.03223	0.146011	-0.22076	0.825281	0.962521	A330023F2
ENSMUSG0ENSMUSG0	119.3193	-0.0442	0.134971	-0.32745	0.743331	0.940717	1700113A1
ENSMUSG0ENSMUSG0	51.77115	0.044632	0.144378	0.309131	0.757222	0.945085	4930509G2
ENSMUSG0ENSMUSG0	71.24343	0.058733	0.145548	0.403526	0.686562	0.931173	Gm26621
ENSMUSG0ENSMUSG0	1831.863	0.186211	0.143078	1.301461	0.193101	0.639447	Gm26880
ENSMUSG0ENSMUSG0	84.19742	-0.24357	0.129835	-1.87601	0.060654	0.396828	Gm16845
ENSMUSG0ENSMUSG0	39.02511	0.027253	0.145604	0.187172	0.851526	0.969606	2010015M1
ENSMUSG0ENSMUSG0	49.91006	-0.145	0.14579	-0.99456	0.319952	0.750709	A930029G2
ENSMUSG0ENSMUSG0	6575.179	-0.12989	0.08784	-1.47873	0.139212	0.567677	Ppp1ca
ENSMUSG0ENSMUSG0	130.3842	0.024965	0.112362	0.222181	0.824173	0.961935	2810029C0
ENSMUSG0ENSMUSG0	57.29	-0.06698	0.138377	-0.48407	0.628335	0.91085	Gm26792
ENSMUSG0ENSMUSG0	1274.931	-0.02838	0.075669	-0.37506	0.707618	0.934791	Cacng7
ENSMUSG0ENSMUSG0	166.3812	0.074568	0.129118	0.577517	0.56359	0.885566	Gm17435
ENSMUSG0ENSMUSG0	971.351	0.010273	0.104635	0.09818	0.92179	0.985705	9530082P2
ENSMUSG0ENSMUSG0	38.98922	-0.26479	0.140089	-1.89015	0.058738	0.391735	Gm4651
ENSMUSG0ENSMUSG0	135.4325	0.040453	0.137445	0.294322	0.768512	0.948979	Gm26559
ENSMUSG0ENSMUSG0	111.4663	-0.19215	0.119573	-1.60694	0.108068	0.510418	Gm26819
ENSMUSG0ENSMUSG0	67.75599	-0.00226	0.135661	-0.01667	0.9867	0.998041	Pvt1
ENSMUSG0ENSMUSG0	59.21982	-0.25255	0.13177	-1.91658	0.055292	0.379575	2610316D0
ENSMUSG0ENSMUSG0	336.8079	-0.178	0.089804	-1.98214	0.047463	0.350714	Gm17491
ENSMUSG0ENSMUSG0	129.5775	-0.12756	0.137898	-0.92505	0.35494	0.774327	Gm26641
ENSMUSG0ENSMUSG0	148.8135	0.096385	0.105317	0.915188	0.360093	0.777635	1110020A2
ENSMUSG0ENSMUSG0	629.5914	-0.10475	0.118953	-0.88063	0.378517	0.789109	1600020E0
ENSMUSG0ENSMUSG0	225.7616	-0.14726	0.12609	-1.16791	0.242844	0.689924	Gm4419
ENSMUSG0ENSMUSG0	73.89393	0.078732	0.139232	0.565472	0.571753	0.889585	Gm4262
ENSMUSG0ENSMUSG0	1089.669	-0.01297	0.110249	-0.11761	0.906373	0.982338	Fam120aos
ENSMUSG0ENSMUSG0	280.4838	-0.24621	0.093043	-2.64622	0.00814	0.137724	9330151L1
ENSMUSG0ENSMUSG0	322.5003	0.128888	0.098758	1.305096	0.19186	0.638822	Gm17586
ENSMUSG0ENSMUSG0	42.64056	-0.12857	0.14585	-0.88149	0.378053	0.788987	AC1091381
ENSMUSG0ENSMUSG0	142.5274	0.200885	0.121599	1.652034	0.098528	0.490347	9430037G0
ENSMUSG0ENSMUSG0	256.7009	0.074251	0.116571	0.63696	0.524151	0.867549	1700086O0
ENSMUSG0ENSMUSG0	39.15904	-0.05573	0.145819	-0.3822	0.702312	0.934077	Gm26615
ENSMUSG0ENSMUSG0	50.27454	-0.04234	0.136471	-0.31025	0.756371	0.944671	C330013E1
ENSMUSG0ENSMUSG0	1484.128	0.139023	0.099339	1.399469	0.161672	0.601189	Pitpnm1
ENSMUSG0ENSMUSG0	69.22038	-0.12398	0.140755	-0.88085	0.378399	0.789109	9330111N0
ENSMUSG0ENSMUSG0	69.23118	-0.01911	0.146011	-0.13091	0.895844	0.98027	Gm9917
ENSMUSG0ENSMUSG0	758.6336	-0.08957	0.098775	-0.90678	0.364522	0.781737	B230354K1
ENSMUSG0ENSMUSG0	72.29627	-0.04763	0.145765	-0.32677	0.743841	0.940717	D130020L0
ENSMUSG0ENSMUSG0	68.37057	-0.10516	0.14289	-0.73595	0.461759	0.833916	Gm6297

ENSMUSG0ENSMUSG0	504.8349	-0.08756	0.128957	-0.67902	0.497123	0.853814	A530020G2
ENSMUSG0ENSMUSG0	62.11853	-0.57085	0.137797	-4.14269	3.43E-05	0.0037	D230017M
ENSMUSG0ENSMUSG0	53.75486	0.048516	0.14244	0.340607	0.7334	0.938791	Gm26779
ENSMUSG0ENSMUSG0	74.97707	0.328654	0.135729	2.421408	0.015461	0.194413	9230114K1
ENSMUSG0ENSMUSG0	568.7993	-0.01589	0.135691	-0.11713	0.90676	0.982338	Gm4211
ENSMUSG0ENSMUSG0	103.0932	-0.00751	0.137363	-0.05469	0.956388	0.992868	2310010J1
ENSMUSG0ENSMUSG0	37.26832	0.389727	0.145655	2.675684	0.007458	0.131167	BC051077
ENSMUSG0ENSMUSG0	670.4303	-0.26075	0.142364	-1.83156	0.067017	0.416339	Cep83os
ENSMUSG0ENSMUSG0	102.5203	-0.21146	0.128059	-1.65129	0.098678	0.490529	Gm16740
ENSMUSG0ENSMUSG0	88.51284	-0.29592	0.145849	-2.02897	0.042461	0.333069	Gm4890
ENSMUSG0ENSMUSG0	176.5326	0.175665	0.119729	1.467188	0.142325	0.571875	9330159M0
ENSMUSG0ENSMUSG0	313.4257	0.065113	0.107895	0.603489	0.546183	0.876135	2700038G2
ENSMUSG0ENSMUSG0	44.89365	-0.03152	0.144572	-0.21803	0.827408	0.962789	Gm26664
ENSMUSG0ENSMUSG0	659.0723	-0.00329	0.11677	-0.0282	0.977503	0.996394	Snhg5
ENSMUSG0ENSMUSG0	204.1298	-0.37589	0.119981	-3.13289	0.001731	0.051762	Gm17690
ENSMUSG0ENSMUSG0	37.29163	-0.02024	0.145827	-0.1388	0.889605	0.978618	6030443J06
ENSMUSG0ENSMUSG0	38.78564	-0.11258	0.142651	-0.78921	0.42999	0.815671	Gm26549
ENSMUSG0ENSMUSG0	36.95345	-0.19292	0.145968	-1.32168	0.186275	0.632483	1810049J1
ENSMUSG0ENSMUSG0	125.4135	0.101771	0.11977	0.84972	0.395481	0.796864	Gm26853
ENSMUSG0ENSMUSG0	113.4174	-0.13975	0.145489	-0.96058	0.336763	0.759928	Gm27029
ENSMUSG0ENSMUSG0	63.95319	-0.03971	0.139499	-0.28464	0.775919	0.950313	Gm26614
ENSMUSG0ENSMUSG0	55.80496	-0.13396	0.137194	-0.97644	0.328847	0.755405	Gm16907
ENSMUSG0ENSMUSG0	54.4823	-0.00059	0.142958	-0.00411	0.996717	0.998953	1500012K0
ENSMUSG0ENSMUSG0	210.3377	-0.1571	0.124902	-1.25775	0.208481	0.656691	Gm2694
ENSMUSG0ENSMUSG0	43.65302	-0.24583	0.14552	-1.68936	0.091151	0.474462	5033417F2
ENSMUSG0ENSMUSG0	59.36338	-0.03878	0.142861	-0.27145	0.786045	0.953517	Gm26770
ENSMUSG0ENSMUSG0	135.7493	-0.04395	0.143366	-0.30656	0.759176	0.945578	Gm26767
ENSMUSG0ENSMUSG0	90.68307	0.102269	0.14457	0.707403	0.479316	0.845253	Gm26804
ENSMUSG0ENSMUSG0	69.78105	-0.07106	0.135774	-0.52336	0.600725	0.89918	4930525G2
ENSMUSG0ENSMUSG0	245.0874	0.029661	0.102379	0.289719	0.772031	0.949404	2900076A0
ENSMUSG0ENSMUSG0	41.69904	-0.07534	0.1441	-0.5228	0.601113	0.89918	4930480K2
ENSMUSG0ENSMUSG0	414.4577	-0.2756	0.10445	-2.63858	0.008325	0.138933	D130017N0
ENSMUSG0ENSMUSG0	464.9115	-0.02397	0.098712	-0.24286	0.808112	0.958353	1300002E1
ENSMUSG0ENSMUSG0	136.5166	0.197481	0.130118	1.517711	0.129087	0.548334	3110083C1
ENSMUSG0ENSMUSG0	45.84534	0.146402	0.13228	1.106765	0.268396	0.711835	Rhox5
ENSMUSG0ENSMUSG0	95.23025	0.082077	0.131895	0.622292	0.53375	0.871788	Gm6410
ENSMUSG0ENSMUSG0	78.7404	-0.17577	0.135282	-1.29932	0.193835	0.639447	Gm17249
ENSMUSG0ENSMUSG0	91.43968	0.039165	0.13433	0.291558	0.770624	0.949297	Gm10516
ENSMUSG0ENSMUSG0	88.07026	-0.07619	0.142328	-0.53533	0.592423	0.895885	1700007L1
ENSMUSG0ENSMUSG0	1112.34	0.07343	0.087567	0.838562	0.401715	0.79975	Aip
ENSMUSG0ENSMUSG0	155.4236	0.093126	0.122185	0.762165	0.445961	0.824037	Tmem147o
ENSMUSG0ENSMUSG0	43.46217	-0.07029	0.144834	-0.48535	0.627431	0.910069	1700028E1
ENSMUSG0ENSMUSG0	254.924	0.116532	0.138962	0.83859	0.4017	0.79975	E030030I06
ENSMUSG0ENSMUSG0	724.7562	0.095662	0.118215	0.809217	0.41839	0.810525	Tnfsf12
ENSMUSG0ENSMUSG0	57.50097	-0.03625	0.136654	-0.2653	0.790775	0.954487	F420014N2
ENSMUSG0ENSMUSG0	451.7203	0.059813	0.105102	0.569096	0.569291	0.888674	Zfp87
ENSMUSG0ENSMUSG0	85.64263	-0.12006	0.143828	-0.83478	0.403844	0.800157	Gm26606
ENSMUSG0ENSMUSG0	288.6547	-0.05183	0.120571	-0.42987	0.66729	0.925067	Gm26617
ENSMUSG0ENSMUSG0	223.8163	-0.06652	0.118847	-0.55973	0.575661	0.890536	9030407P2
ENSMUSG0ENSMUSG0	65.97824	-0.00275	0.130406	-0.02111	0.983154	0.997428	AA543186
ENSMUSG0ENSMUSG0	87.88578	-0.10525	0.136188	-0.7728	0.439644	0.820656	Gm17275
ENSMUSG0ENSMUSG0	133.4374	0.059968	0.115854	0.517615	0.604727	0.901817	4732491K2

ENSMUSG0ENSMUSG0	105.0408	-0.18433	0.123862	-1.48819	0.136701	0.563112	A430046D1
ENSMUSG0ENSMUSG0	62.16769	-0.13375	0.144106	-0.92811	0.353348	0.773627	9430065F1
ENSMUSG0ENSMUSG0	159.3759	0.020104	0.113873	0.176549	0.859863	0.972503	6720427107
ENSMUSG0ENSMUSG0	145.752	0.312187	0.130248	2.396862	0.016536	0.202349	1500026H1
ENSMUSG0ENSMUSG0	83.12071	0.182558	0.138267	1.320329	0.186725	0.633169	Mirg
ENSMUSG0ENSMUSG0	790.4008	0.092164	0.11801	0.780984	0.434812	0.81783	D930016DC
ENSMUSG0ENSMUSG0	835.0226	-0.0714	0.118279	-0.6037	0.546044	0.876016	AC109138.1
ENSMUSG0ENSMUSG0	75.25367	0.011713	0.134417	0.08714	0.93056	0.986088	Gm16861
ENSMUSG0ENSMUSG0	74.78226	-0.03176	0.144696	-0.21949	0.826266	0.962521	9230116N1
ENSMUSG0ENSMUSG0	143.9017	-0.11646	0.109836	-1.06034	0.288989	0.728677	1810014B0
ENSMUSG0ENSMUSG0	47.15852	-0.03917	0.143413	-0.27314	0.784746	0.95309	B130046B2
ENSMUSG0ENSMUSG0	339.6675	0.086932	0.128067	0.678803	0.497263	0.853814	AU020206
ENSMUSG0ENSMUSG0	38.50415	-0.10308	0.14552	-0.70833	0.478741	0.844462	Gm17575
ENSMUSG0ENSMUSG0	369.3623	0.031061	0.123908	0.250676	0.802065	0.956826	Gm26782
ENSMUSG0ENSMUSG0	224.9261	-0.07594	0.121503	-0.62501	0.531965	0.870779	Gm16754
ENSMUSG0ENSMUSG0	66.52695	0.211881	0.139976	1.513696	0.130103	0.550169	Gm26631
ENSMUSG0ENSMUSG0	934.5075	0.247322	0.138324	1.787992	0.073777	0.432157	Rian
ENSMUSG0ENSMUSG0	56.32015	-0.05641	0.144404	-0.39065	0.696054	0.933215	Gm2824
ENSMUSG0ENSMUSG0	96.27678	0.183856	0.144992	1.268044	0.204782	0.652864	Gm26737
ENSMUSG0ENSMUSG0	48.86166	-0.15449	0.142876	-1.08128	0.279573	0.721161	Gm26587
ENSMUSG0ENSMUSG0	1069.171	0.124764	0.089851	1.388567	0.164964	0.603971	Cdk2ap2
ENSMUSG0ENSMUSG0	143.7019	-0.03243	0.121607	-0.26671	0.789693	0.954487	Gm17733
ENSMUSG0ENSMUSG0	98.23863	0.111035	0.127764	0.869062	0.384813	0.791963	Ptges3l
ENSMUSG0ENSMUSG0	119.6994	-0.09588	0.112089	-0.85536	0.392351	0.795486	4732487G2
ENSMUSG0ENSMUSG0	88.93459	0.039582	0.124795	0.317176	0.75111	0.942731	3110045C2
ENSMUSG0ENSMUSG0	67.7097	-0.35635	0.145087	-2.45607	0.014047	0.185007	4930516B2
ENSMUSG0ENSMUSG0	366.9273	0.09295	0.129297	0.718892	0.472207	0.841375	Pold4
ENSMUSG0ENSMUSG0	40.19581	-0.17346	0.145986	-1.18821	0.234749	0.68322	B230322F0
ENSMUSG0ENSMUSG0	62.2633	0.195609	0.133554	1.464638	0.14302	0.572229	1700040D1
ENSMUSG0ENSMUSG0	48.32936	0.086951	0.140027	0.620961	0.534625	0.87213	4930488L2
ENSMUSG0ENSMUSG0	47.14306	-0.07816	0.142873	-0.54708	0.584322	0.893087	2610037D0
ENSMUSG0ENSMUSG0	157.9493	-0.09987	0.120955	-0.82566	0.409	0.803007	2610020C0
ENSMUSG0ENSMUSG0	849.8036	-0.07517	0.128104	-0.58678	0.557355	0.882863	Mir124a-1f
ENSMUSG0ENSMUSG0	49.94718	0.191277	0.137739	1.388697	0.164925	0.603971	Gm26825
ENSMUSG0ENSMUSG0	90.64712	0.004596	0.128012	0.0359	0.971362	0.995539	4632411P0
ENSMUSG0ENSMUSG0	54.00586	-0.13208	0.141929	-0.93058	0.352073	0.773558	A930024N1
ENSMUSG0ENSMUSG0	77.29129	-0.0272	0.14503	-0.18755	0.851227	0.969606	Jpx
ENSMUSG0ENSMUSG0	59.2088	-0.10145	0.144347	-0.70282	0.482166	0.846451	G730003C1
ENSMUSG0ENSMUSG0	90.11453	-0.05816	0.146003	-0.39838	0.690353	0.931679	C920006O1
ENSMUSG0ENSMUSG0	51.53563	-0.1306	0.135877	-0.96118	0.33646	0.759707	Gm26799
ENSMUSG0ENSMUSG0	39.46664	-0.05248	0.145975	-0.3595	0.719222	0.936235	6430590A0
ENSMUSG0ENSMUSG0	37.77243	-0.12575	0.14587	-0.86203	0.388669	0.794069	E230029C0
ENSMUSG0ENSMUSG0	81.19769	-0.15385	0.139144	-1.10566	0.268875	0.711911	4930578M0
ENSMUSG0ENSMUSG0	1033.717	0.054987	0.081065	0.678308	0.497577	0.853814	Dleu2
ENSMUSG0ENSMUSG0	57.34929	-0.06224	0.138388	-0.44978	0.652866	0.919812	A430010J10
ENSMUSG0ENSMUSG0	62.94275	-0.12362	0.138051	-0.8955	0.370523	0.785282	1110019D1
ENSMUSG0ENSMUSG0	85.12867	-0.06593	0.13846	-0.47619	0.633936	0.912412	Gm10687
ENSMUSG0ENSMUSG0	81.49931	-0.10481	0.145171	-0.72195	0.470326	0.840038	Mirt1
ENSMUSG0ENSMUSG0	43.66472	-0.10169	0.144783	-0.70236	0.482453	0.84654	Gm26714
ENSMUSG0ENSMUSG0	48.50733	-0.02182	0.138064	-0.15803	0.87443	0.97593	Gm26762
ENSMUSG0ENSMUSG0	49.83572	-0.16901	0.145469	-1.16184	0.2453	0.693512	Gm26765
ENSMUSG0ENSMUSG0	56.68862	-0.13317	0.138067	-0.96453	0.334782	0.759008	Gm26610

ENSMUSG0ENSMUSG0	48.68849	-0.07101	0.145225	-0.48894	0.624887	0.908091	A230060F1
ENSMUSG0ENSMUSG0	1995.629	0.028637	0.105735	0.270837	0.786516	0.953593	Gm26905
ENSMUSG0ENSMUSG0	326.9754	0.07669	0.11505	0.666577	0.505042	0.857475	2810429I04
ENSMUSG0ENSMUSG0	895.7064	-0.10501	0.131998	-0.79557	0.426283	0.81459	Gpr137b-ps
ENSMUSG0ENSMUSG0	55.06569	-0.17054	0.145755	-1.17001	0.241995	0.689488	Gm26849
ENSMUSG0ENSMUSG0	448.7469	-0.03037	0.100244	-0.30297	0.761911	0.946505	Rps6kb2
ENSMUSG0ENSMUSG0	120.8435	-0.04334	0.127297	-0.34044	0.733526	0.938791	Gm26848
ENSMUSG0ENSMUSG0	271.0339	-0.37163	0.120988	-3.07167	0.002129	0.059403	2310015A1
ENSMUSG0ENSMUSG0	47.9142	-0.11526	0.144762	-0.79618	0.425927	0.81459	Gm26530
ENSMUSG0ENSMUSG0	416.7944	0.030827	0.082248	0.374801	0.707808	0.934791	Gm16973
ENSMUSG0ENSMUSG0	219.867	-0.2018	0.117594	-1.71609	0.086145	0.462936	Gm4673
ENSMUSG0ENSMUSG0	108.6505	0.011119	0.128797	0.086333	0.931202	0.986321	2010110K1
ENSMUSG0ENSMUSG0	44.70123	-0.07579	0.141722	-0.53474	0.592827	0.895885	Gm17518
ENSMUSG0ENSMUSG0	583.1531	0.469153	0.093307	5.028063	4.95E-07	0.00018	Snhg4
ENSMUSG0ENSMUSG0	1788.838	-0.12416	0.094973	-1.3073	0.19111	0.638322	Coro1b
ENSMUSG0ENSMUSG0	405.3921	0.151014	0.094129	1.604341	0.108639	0.51097	5430416NC
ENSMUSG0ENSMUSG0	420.3945	-0.10787	0.096178	-1.12157	0.262046	0.705635	AL611930.7
ENSMUSG0ENSMUSG0	41.74711	-0.02321	0.138435	-0.16768	0.866834	0.974473	9330136K2
ENSMUSG0ENSMUSG0	44.70143	-0.019	0.143552	-0.13238	0.894687	0.97986	A430105JO
ENSMUSG0ENSMUSG0	150.4773	-0.15329	0.136156	-1.12583	0.260236	0.704211	2700046G0
ENSMUSG0ENSMUSG0	2092.043	-0.07169	0.142719	-0.50228	0.615469	0.906204	Gm2115
ENSMUSG0ENSMUSG0	161.8072	-0.19172	0.138006	-1.38919	0.164775	0.603971	Gm27042
ENSMUSG0ENSMUSG0	86.43197	-0.09042	0.132259	-0.68368	0.494178	0.852929	Gm17259
ENSMUSG0ENSMUSG0	254.6118	-0.04907	0.113613	-0.43189	0.665824	0.925067	Gm16702
ENSMUSG0ENSMUSG0	57.74066	0.055641	0.14202	0.391782	0.695219	0.933115	Gm26901
ENSMUSG0ENSMUSG0	141.17	-0.00743	0.130731	-0.05685	0.954662	0.992605	Panct2
ENSMUSG0ENSMUSG0	865.0466	-0.08053	0.118709	-0.67842	0.497503	0.853814	Gm26809
ENSMUSG0ENSMUSG0	39.81667	0.010193	0.143863	0.070853	0.943514	0.989095	E530011L2
ENSMUSG0ENSMUSG0	36.61115	-0.16885	0.145454	-1.16083	0.24571	0.693666	Gm16701
ENSMUSG0ENSMUSG0	181.3777	0.170244	0.132407	1.285759	0.198527	0.645358	Myadm
ENSMUSG0ENSMUSG0	3342.346	0.153101	0.135445	1.130356	0.258326	0.702822	Gstp1
ENSMUSG0ENSMUSG0	99.18835	0.042633	0.130373	0.327009	0.743661	0.940717	Gm26910
ENSMUSG0ENSMUSG0	78.03206	0.230094	0.145004	1.586807	0.112556	0.518563	Gm26909
ENSMUSG0ENSMUSG0	73.55529	0.076118	0.135827	0.5604	0.575206	0.890536	9330104G0
ENSMUSG0ENSMUSG0	39.23813	-0.26086	0.143297	-1.8204	0.068698	0.42107	A930007119
ENSMUSG0ENSMUSG0	122.3867	-0.1166	0.129599	-0.8997	0.368282	0.784139	Lppos
ENSMUSG0ENSMUSG0	57.97096	0.119572	0.135665	0.881376	0.378114	0.788987	A330069E1
ENSMUSG0ENSMUSG0	57.1054	-0.0623	0.145731	-0.42752	0.668997	0.925067	Gm16892
ENSMUSG0ENSMUSG0	89.21675	0.075493	0.140872	0.5359	0.592028	0.895697	Gm26869
ENSMUSG0ENSMUSG0	65.25738	-0.36158	0.14394	-2.51202	0.012004	0.169925	5031434O1
ENSMUSG0ENSMUSG0	57.91155	0.016094	0.138465	0.116234	0.907467	0.982338	Gm26542
ENSMUSG0ENSMUSG0	46.01979	-0.38232	0.141035	-2.71086	0.006711	0.123392	4930547M1
ENSMUSG0ENSMUSG0	203.9119	0.094565	0.137907	0.685713	0.492894	0.852803	Gm3650
ENSMUSG0ENSMUSG0	269.957	0.007291	0.142082	0.051314	0.959075	0.993224	1700034P1
ENSMUSG0ENSMUSG0	583.6893	0.169121	0.127803	1.323298	0.185736	0.631891	4933404O1
ENSMUSG0ENSMUSG0	663.3249	0.191516	0.099869	1.917672	0.055153	0.379148	Rad9a
ENSMUSG0ENSMUSG0	74.69833	-0.09295	0.141923	-0.65492	0.512517	0.861822	Gm26691
ENSMUSG0ENSMUSG0	167.3586	-0.04569	0.128245	-0.35626	0.721645	0.937346	A730020E0
ENSMUSG0ENSMUSG0	151.3394	-0.07716	0.12392	-0.62268	0.533493	0.871785	A130014A0
ENSMUSG0ENSMUSG0	6198.228	0.301199	0.145968	2.063456	0.039069	0.321181	Gm26917
ENSMUSG0ENSMUSG0	100.3634	-0.11088	0.126231	-0.8784	0.379727	0.790146	Gm26982
ENSMUSG0ENSMUSG0	132.3549	0.018014	0.130618	0.137912	0.89031	0.978648	Zfp82

ENSMUSG0ENSMUSGC	59.38705	-0.04402	0.144767	-0.30406	0.76108	0.946226	Gm26981
ENSMUSG0ENSMUSGC	1827.814	-0.10506	0.106341	-0.9879	0.323199	0.752677	Gm27033
ENSMUSG0ENSMUSGC	71.28067	0.033162	0.137188	0.24173	0.808989	0.958353	Gm26995
ENSMUSG0ENSMUSGC	565.614	-0.06837	0.107246	-0.63747	0.523816	0.867498	2700099C1
ENSMUSG0ENSMUSGC	147.3836	0.247128	0.121056	2.041437	0.041207	0.32991	Gm5914
ENSMUSG0ENSMUSGC	87.18469	-0.24235	0.128469	-1.88644	0.059236	0.392679	Rassf10
ENSMUSG0ENSMUSGC	712.0316	0.122093	0.074331	1.642543	0.100477	0.493641	Rnf113a2
ENSMUSG0ENSMUSGC	333.6641	-0.04598	0.110286	-0.41689	0.676757	0.927788	Ccdc166
ENSMUSG0ENSMUSGC	157403.9	0.027838	0.142151	0.195834	0.84474	0.967714	Gm42418
ENSMUSG0ENSMUSGC	61.48005	-0.02004	0.13404	-0.14949	0.881171	0.97678	Gm27010
ENSMUSG0ENSMUSGC	825.8452	-0.16272	0.088692	-1.83463	0.066561	0.414416	Sowahc
ENSMUSG0ENSMUSGC	36.76243	0.211079	0.145079	1.454922	0.145691	0.575953	Gm27030
ENSMUSG0ENSMUSGC	475.9521	0.118808	0.13173	0.901908	0.367106	0.783631	Snhg6
ENSMUSG0ENSMUSGC	10237.05	0.150007	0.107855	1.390818	0.164281	0.60328	Rpl24
ENSMUSG0ENSMUSGC	5027.147	0.074255	0.067435	1.101142	0.270835	0.713936	Srsf1
ENSMUSG0ENSMUSGC	103.4296	0.038001	0.145753	0.260722	0.794307	0.955378	Gm28040
ENSMUSG0ENSMUSGC	2134.871	0.111948	0.116206	0.963363	0.335366	0.759008	Lockd
ENSMUSG0ENSMUSGC	476.5942	-0.00043	0.097871	-0.00444	0.996461	0.998852	2310009A0
ENSMUSG0ENSMUSGC	1085.401	-0.00177	0.067731	-0.0262	0.979095	0.996602	Gm28043
ENSMUSG0ENSMUSGC	877.5923	0.097183	0.089993	1.079892	0.28019	0.72136	Mrps23
ENSMUSG0ENSMUSGC	342.4839	0.072772	0.100338	0.725271	0.468286	0.838976	AC084822.1
ENSMUSG0ENSMUSGC	327.8673	0.026499	0.086174	0.307511	0.758455	0.945377	AC165954.1
ENSMUSG0ENSMUSGC	38.83933	-0.30615	0.145448	-2.10487	0.035303	0.303597	Gm7467
ENSMUSG0ENSMUSGC	109.9778	0.354697	0.145929	2.43061	0.015073	0.192626	Pla2g4b
ENSMUSG0ENSMUSGC	73.94452	-0.02296	0.142655	-0.16098	0.872108	0.975692	Gm27167
ENSMUSG0ENSMUSGC	916.6215	-0.1251	0.094464	-1.32435	0.185387	0.631891	AL593853.1
ENSMUSG0ENSMUSGC	1464.137	-0.13721	0.120994	-1.13399	0.2568	0.702333	Kctd12
ENSMUSG0ENSMUSGC	131.6861	-0.24298	0.146007	-1.66414	0.096085	0.48614	Cuedc1
ENSMUSG0ENSMUSGC	49.34381	-0.30423	0.141846	-2.14482	0.031968	0.286709	St6gal2
ENSMUSG0ENSMUSGC	443.7588	0.163111	0.126666	1.287719	0.197844	0.645176	Gm28048
ENSMUSG0ENSMUSGC	329.4919	-0.16571	0.117843	-1.40619	0.159667	0.597813	1500015A0
ENSMUSG0ENSMUSGC	241.1725	0.330869	0.142247	2.326015	0.020018	0.224132	Jmjd7
ENSMUSG0ENSMUSGC	241.5713	-0.01002	0.114725	-0.08737	0.930376	0.985993	CAAA0118C
ENSMUSG0ENSMUSGC	116.8334	-0.01362	0.111226	-0.12245	0.902546	0.981785	AC182748.1
ENSMUSG0ENSMUSGC	2767.213	0.069928	0.108507	0.644461	0.519277	0.864728	Comt
ENSMUSG0ENSMUSGC	55.88151	-0.00133	0.139724	-0.00952	0.992406	0.998539	Zfp953
ENSMUSG0ENSMUSGC	1224.303	0.170876	0.120636	1.416452	0.156643	0.595338	1500004A1
ENSMUSG0ENSMUSGC	746.3391	0.074139	0.067253	1.1024	0.270288	0.713492	Tmem185b
ENSMUSG0ENSMUSGC	1558.473	-0.03285	0.061825	-0.53137	0.595162	0.896659	Trmt2a
ENSMUSG0ENSMUSGC	398.0608	0.014417	0.114434	0.125985	0.899744	0.981243	Gm28036
ENSMUSG0ENSMUSGC	16540.98	0.095434	0.125703	0.759201	0.447732	0.824078	Mir6236
ENSMUSG0ENSMUSGC	679.5265	-0.03534	0.089819	-0.39345	0.693984	0.932497	Rn7s1
ENSMUSG0ENSMUSGC	377.1002	-0.07319	0.119566	-0.61216	0.540435	0.873794	Tcf24
ENSMUSG0ENSMUSGC	161.7728	-0.19967	0.121792	-1.63939	0.101131	0.495899	2810039B1
ENSMUSG0ENSMUSGC	499.3106	-0.10301	0.119324	-0.86329	0.38798	0.793593	CAAA01125
ENSMUSG0ENSMUSGC	867.7497	-0.01778	0.127846	-0.13905	0.889409	0.978618	Atf7
ENSMUSG0ENSMUSGC	50.80594	-0.06869	0.145225	-0.47298	0.63623	0.912525	Gm19569
ENSMUSG0ENSMUSGC	41.72123	-0.10366	0.144342	-0.71813	0.47268	0.841589	1110035H1
ENSMUSG0ENSMUSGC	850.7942	0.122542	0.139575	0.877967	0.379962	0.790146	Gm27168
ENSMUSG0ENSMUSGC	2034.044	0.174101	0.09222	1.887894	0.05904	0.391852	Ranbp1
ENSMUSG0ENSMUSGC	679.5265	-0.03534	0.089819	-0.39345	0.693984	0.932497	Rn7s2
ENSMUSG0ENSMUSGC	703.0924	0.10611	0.08326	1.274438	0.202508	0.650197	Txnrd2

ENSMUSG0ENSMUSG0	41.91876	0.356275	0.142541	2.499445	0.012439	0.172754	2810030D1
ENSMUSG0ENSMUSG0	237.8265	-0.00795	0.105016	-0.07572	0.939639	0.987897	Gm28370
ENSMUSG0ENSMUSG0	876.8435	-0.0963	0.086185	-1.11738	0.26383	0.706972	Xndc1
ENSMUSG0ENSMUSG0	39.40321	-0.03576	0.141955	-0.25192	0.801107	0.956594	Hist1h3g
ENSMUSG0ENSMUSG0	42.38204	-0.1911	0.141507	-1.35047	0.176864	0.619699	4933411E0
ENSMUSG0ENSMUSG0	248.6926	0.021133	0.126155	0.167512	0.866967	0.974473	2900093K2
ENSMUSG0ENSMUSG0	141.6399	0.015028	0.145945	0.102973	0.917985	0.984843	2310034G0
ENSMUSG0ENSMUSG0	347.5717	-0.11338	0.14347	-0.7903	0.429355	0.815457	1700052K1
ENSMUSG0ENSMUSG0	251.1701	-0.03686	0.102049	-0.36122	0.717933	0.935997	Zfp383
ENSMUSG0ENSMUSG0	440.1253	0.044833	0.098233	0.456393	0.648107	0.918345	1700030C1
ENSMUSG0ENSMUSG0	144.7198	-0.00277	0.121958	-0.02271	0.981879	0.997345	Gm7160
ENSMUSG0ENSMUSG0	492.1884	0.070395	0.092701	0.759379	0.447626	0.824078	2810013P0
ENSMUSG0ENSMUSG0	368.2094	-0.19246	0.135715	-1.41812	0.156155	0.594679	2810402E2
ENSMUSG0ENSMUSG0	45.3297	-0.02569	0.138445	-0.18558	0.852774	0.9698	1700054A0
ENSMUSG0ENSMUSG0	67.00645	-0.01172	0.145509	-0.08056	0.935789	0.986879	Gm7967
ENSMUSG0ENSMUSG0	139.3093	-0.13225	0.140245	-0.943	0.345682	0.767181	2410022M1
ENSMUSG0ENSMUSG0	64.94179	-0.03902	0.142487	-0.27388	0.784179	0.953007	2310068J1
ENSMUSG0ENSMUSG0	63.87935	0.033193	0.121984	0.272113	0.785535	0.953441	1810008I1
ENSMUSG0ENSMUSG0	1138.204	0.060678	0.145957	0.415726	0.67761	0.928225	Gm5601
ENSMUSG0ENSMUSG0	36.81314	0.121184	0.144729	0.837317	0.402414	0.799981	Gm20687
ENSMUSG0ENSMUSG0	203.2973	0.014032	0.138857	0.101052	0.919509	0.985705	2610306M0
ENSMUSG0ENSMUSG0	42.02388	-0.0037	0.145907	-0.02537	0.979763	0.996602	Gm20324
ENSMUSG0ENSMUSG0	46.76128	-0.22396	0.145416	-1.54012	0.123531	0.536815	Gm28151
ENSMUSG0ENSMUSG0	128.873	0.173075	0.124089	1.394762	0.163088	0.602041	Slc18a3
ENSMUSG0ENSMUSG0	112.3024	-0.11438	0.13589	-0.84173	0.39994	0.79975	Mir124-2hg
ENSMUSG0ENSMUSG0	58.64051	0.052663	0.143237	0.367663	0.713125	0.935647	2310008N1
ENSMUSG0ENSMUSG0	318.6626	-0.06534	0.098773	-0.6615	0.508294	0.858926	Gm29170
ENSMUSG0ENSMUSG0	54.64041	-0.30976	0.139252	-2.22448	0.026116	0.258488	2810414N0
ENSMUSG0ENSMUSG0	45.02154	-0.03	0.146001	-0.20548	0.837197	0.965548	1700120C1
ENSMUSG0ENSMUSG0	44.32773	-0.02128	0.138645	-0.15347	0.878029	0.976224	A230077HC
ENSMUSG0ENSMUSG0	43.64885	0.008903	0.139379	0.063873	0.949072	0.991149	Gm28192
ENSMUSG0ENSMUSG0	66.65506	-0.06163	0.140613	-0.43828	0.661183	0.923825	1810044D0
ENSMUSG0ENSMUSG0	198.3579	-0.04632	0.121315	-0.38179	0.702616	0.934077	2010320M1
ENSMUSG0ENSMUSG0	32499.19	0.108941	0.088068	1.237011	0.216083	0.667088	Gm29084
ENSMUSG0ENSMUSG0	4753.741	0.115776	0.105226	1.100262	0.271218	0.713936	Rps23-ps1
ENSMUSG0ENSMUSG0	78.15864	0.00049	0.134828	0.003632	0.997102	0.998971	Gm29055
ENSMUSG0ENSMUSG0	44.20706	0.013541	0.145973	0.092763	0.926092	0.985705	Gm15459
ENSMUSG0ENSMUSG0	60.01085	-0.09004	0.138442	-0.65035	0.515467	0.862923	Gm28874
ENSMUSG0ENSMUSG0	388.5712	0.219085	0.134254	1.631873	0.102706	0.499227	Snhg14
ENSMUSG0ENSMUSG0	47.36195	-0.04938	0.144072	-0.34276	0.731776	0.938791	2810454H0
ENSMUSG0ENSMUSG0	109.6534	-0.05682	0.136117	-0.4174	0.676386	0.927788	Gm10138
ENSMUSG0ENSMUSG0	225.1582	0.170784	0.119723	1.426489	0.153727	0.590116	Gm29666
ENSMUSG0ENSMUSG0	99.7053	0.106511	0.115281	0.923928	0.355524	0.774872	A630072M1
ENSMUSG0ENSMUSG0	56.8106	-0.05368	0.133297	-0.40271	0.687159	0.931173	Gm28424
ENSMUSG0ENSMUSG0	1846.085	0.173556	0.10698	1.62232	0.104735	0.501847	Gm28437
ENSMUSG0ENSMUSG0	1714.438	0.037001	0.131898	0.280527	0.779073	0.951368	Eif4a-ps4
ENSMUSG0ENSMUSG0	422.6874	-0.05878	0.11505	-0.51091	0.609416	0.903796	1700008J01
ENSMUSG0ENSMUSG0	83045.13	0.058707	0.137022	0.428449	0.668324	0.925067	Gm29216
ENSMUSG0ENSMUSG0	128.0305	0.010087	0.113061	0.089217	0.928909	0.985705	Gm28229
ENSMUSG0ENSMUSG0	2087.987	0.413691	0.080488	5.139784	2.75E-07	0.000111	Olf1217
ENSMUSG0ENSMUSG0	118.0043	0.128886	0.138835	0.928342	0.35323	0.773627	Gm3052
ENSMUSG0ENSMUSG0	54.89973	-0.07439	0.144027	-0.51647	0.605525	0.902246	2810405F1

ENSMUSG0ENSMUSGC	181.7341	0.152808	0.113064	1.351519	0.176529	0.619699	Gm20342
ENSMUSG0ENSMUSGC	854.1772	0.083911	0.09687	0.866225	0.386367	0.792576	Kcnq1ot1
ENSMUSG0ENSMUSGC	146.0812	0.067984	0.132681	0.512387	0.60838	0.903796	2310040G2
ENSMUSG0ENSMUSGC	68.18774	0.27069	0.135576	1.996595	0.045869	0.344757	Gm29609
ENSMUSG0ENSMUSGC	5587.269	0.06698	0.127502	0.525327	0.599356	0.898925	Gm29562
ENSMUSG0ENSMUSGC	81.75307	0.022477	0.142031	0.158252	0.874258	0.97593	Gm28268
ENSMUSG0ENSMUSGC	157.2757	-0.04235	0.127575	-0.33198	0.739902	0.940232	1700096K1
ENSMUSG0ENSMUSGC	1091.534	-0.24882	0.137228	-1.81315	0.069809	0.42338	Gm8203
ENSMUSG0ENSMUSGC	867.0291	0.082787	0.122115	0.677944	0.497807	0.853814	9130401M0
ENSMUSG0ENSMUSGC	8447.306	0.094707	0.145977	0.648784	0.516478	0.863191	Gm28438
ENSMUSG0ENSMUSGC	1027.434	0.044036	0.111121	0.395974	0.692124	0.931991	1810026B0
ENSMUSG0ENSMUSGC	49.68227	-0.12323	0.145924	-0.84448	0.398399	0.798847	K230010J24
ENSMUSG0ENSMUSGC	118.7794	-0.12188	0.145934	-0.83517	0.40362	0.800157	Gm20257
ENSMUSG0ENSMUSGC	29731.86	0.129057	0.124025	1.040579	0.298071	0.73658	Gm28661
ENSMUSG0ENSMUSGC	235.5039	0.081286	0.137636	0.590585	0.554798	0.881825	Zbtb11os1
ENSMUSG0ENSMUSGC	74.37838	-0.20709	0.141178	-1.46685	0.142416	0.571875	Gm33280
ENSMUSG0ENSMUSGC	36.74518	-0.0076	0.140877	-0.05394	0.956979	0.992986	Pcdhga10
ENSMUSG0ENSMUSGC	2880.576	0.221382	0.114916	1.926468	0.054046	0.37568	Snrpn
ENSMUSG0ENSMUSGC	56.27872	-0.06869	0.140054	-0.49048	0.623796	0.907988	Gm38190
ENSMUSG0ENSMUSGC	524.3863	-0.01871	0.096746	-0.19344	0.846612	0.968351	Pcdha3
ENSMUSG0ENSMUSGC	72.69822	-0.2573	0.135992	-1.89204	0.058486	0.390694	Paupar
ENSMUSG0ENSMUSGC	39.02511	0.027253	0.145604	0.187172	0.851526	0.969606	AL593853.2
ENSMUSG0ENSMUSGC	146.3655	-0.14401	0.145849	-0.98739	0.323452	0.752685	Tmem150a
ENSMUSG0ENSMUSGC	39.88403	0.09586	0.145914	0.656958	0.511208	0.860852	Pcdhgc5
ENSMUSG0ENSMUSGC	370.0779	-0.17146	0.095937	-1.78722	0.073901	0.432314	Thap6
ENSMUSG0ENSMUSGC	426.3598	0.162875	0.142906	1.139736	0.254396	0.700275	Pcdhac2
ENSMUSG0ENSMUSGC	1880.503	0.102741	0.094601	1.086037	0.277463	0.719241	Rnf181
ENSMUSG0ENSMUSGC	62.62709	0.052311	0.136248	0.383942	0.701022	0.934077	Pcdhgb2
ENSMUSG0ENSMUSGC	39.98856	-0.34449	0.146005	-2.35945	0.018302	0.213188	Gm7694
ENSMUSG0ENSMUSGC	161.0097	0.079424	0.144541	0.549492	0.582668	0.892926	Pdcd5-ps
ENSMUSG0ENSMUSGC	49.4652	-0.03746	0.137588	-0.27224	0.785434	0.953405	Gm37637
ENSMUSG0ENSMUSGC	220.9578	0.036727	0.118518	0.309883	0.75665	0.944805	Gm37724
ENSMUSG0ENSMUSGC	1685.211	-0.11598	0.132383	-0.87611	0.380969	0.79028	Pcdhgc3
ENSMUSG0ENSMUSGC	4094.781	-0.01783	0.10664	-0.16717	0.867236	0.974473	Zc3h11a
ENSMUSG0ENSMUSGC	462.5931	-0.08569	0.089951	-0.95267	0.34076	0.763738	Ggcx
ENSMUSG0ENSMUSGC	221.3847	0.123007	0.144913	0.848831	0.395975	0.797139	Pcdhgb1
ENSMUSG0ENSMUSGC	106.3786	-0.21413	0.133296	-1.60644	0.108178	0.510418	Gm37305
ENSMUSG0ENSMUSGC	197.1236	0.135645	0.119542	1.134701	0.256501	0.702159	Pcdha5
ENSMUSG0ENSMUSGC	3305.045	0.1857	0.127191	1.460008	0.144288	0.573946	Gm30948
ENSMUSG0ENSMUSGC	1155.519	0.089682	0.108463	0.826848	0.408323	0.802538	Vamp8
ENSMUSG0ENSMUSGC	75.3797	0.002305	0.144364	0.015965	0.987262	0.998316	Pcdhac1
ENSMUSG0ENSMUSGC	348.3201	0.035892	0.120159	0.298704	0.765166	0.947561	Pcdha12
ENSMUSG0ENSMUSGC	128.031	-0.04897	0.129383	-0.37848	0.705071	0.93471	Gm15853
ENSMUSG0ENSMUSGC	60.93673	-0.02485	0.142975	-0.17377	0.862044	0.973057	Gm37933
ENSMUSG0ENSMUSGC	206.5643	0.192534	0.144295	1.334301	0.182105	0.628217	Golt1a
ENSMUSG0ENSMUSGC	213.4345	0.001329	0.118005	0.011265	0.991012	0.998539	Gm36995
ENSMUSG0ENSMUSGC	253.1605	0.204446	0.130759	1.563538	0.117926	0.52808	Pcdha1
ENSMUSG0ENSMUSGC	394.5788	0.121246	0.120689	1.004616	0.315082	0.747985	Gm38246
ENSMUSG0ENSMUSGC	166.3559	0.245793	0.113683	2.162095	0.030611	0.280449	Gm37768
ENSMUSG0ENSMUSGC	49.76246	-0.18478	0.146003	-1.26561	0.205651	0.653576	Pcdhga4
ENSMUSG0ENSMUSGC	36.64124	0.332339	0.145742	2.280324	0.022588	0.240016	Pcdha6
ENSMUSG0ENSMUSGC	44.68437	-0.17676	0.1431	-1.23521	0.216751	0.667582	Gm30074

ENSMUSG0ENSMUSG0	232.1579	-0.1496	0.113373	-1.31958	0.186976	0.633812	Pcdha9
ENSMUSG0ENSMUSG0	207.7624	0.101729	0.145762	0.697911	0.485233	0.848425	Pcdhga6
ENSMUSG0ENSMUSG0	360.355	-0.01015	0.122189	-0.08309	0.933776	0.986608	Pcdha8
ENSMUSG0ENSMUSG0	145.4401	0.018272	0.114051	0.160206	0.872719	0.975847	Tigd5
ENSMUSG0ENSMUSG0	77.28103	0.156511	0.130883	1.195804	0.231773	0.681648	Gm20045
ENSMUSG0ENSMUSG0	277.8964	-0.06379	0.112943	-0.56478	0.57222	0.889935	Gm38025
ENSMUSG0ENSMUSG0	37.93127	-0.09169	0.14509	-0.63197	0.527408	0.868745	Gm32391
ENSMUSG0ENSMUSG0	93.30239	0.35951	0.14575	2.466614	0.01364	0.182505	Gm37214
ENSMUSG0ENSMUSG0	40.92349	0.111988	0.145603	0.769133	0.441815	0.822001	Gm37313
ENSMUSG0ENSMUSG0	267.6285	-0.03732	0.110258	-0.3385	0.734984	0.938791	Pcdha2
ENSMUSG0ENSMUSG0	72.68849	-0.03702	0.142636	-0.25956	0.795207	0.955463	Gm38102
ENSMUSG0ENSMUSG0	36.54617	-0.03836	0.144315	-0.26583	0.79037	0.954487	Gm38155
ENSMUSG0ENSMUSG0	791.8509	0.046723	0.07979	0.585568	0.558166	0.882863	Usp39
ENSMUSG0ENSMUSG0	318.7334	0.142983	0.110055	1.299189	0.193879	0.639447	Pcdha4
ENSMUSG0ENSMUSG0	48.29904	-0.09422	0.145796	-0.64626	0.518112	0.863995	Gm37459
ENSMUSG0ENSMUSG0	37.61225	-0.02935	0.143025	-0.2052	0.837417	0.965548	Pcdhga3
ENSMUSG0ENSMUSG0	192.8758	0.019221	0.1253	0.153399	0.878084	0.976224	Gm37515
ENSMUSG0ENSMUSG0	48.51855	0.140725	0.14595	0.964202	0.334945	0.759008	Gm37963
ENSMUSG0ENSMUSG0	90.9125	-0.06867	0.127005	-0.54065	0.588745	0.894698	Gm37422
ENSMUSG0ENSMUSG0	2269.755	0.024978	0.088189	0.283228	0.777002	0.950382	Mat2a
ENSMUSG0ENSMUSG0	98.32111	0.111704	0.093824	1.190569	0.233823	0.68322	Gm567
ENSMUSG0ENSMUSG0	49.9281	-0.15848	0.139378	-1.13708	0.255505	0.701792	Gm43062
ENSMUSG0ENSMUSG0	39.46641	-0.49065	0.145662	-3.36841	0.000756	0.030956	Gbp6
ENSMUSG0ENSMUSG0	49.388	0.017406	0.135127	0.128809	0.897509	0.980468	Gm42984
ENSMUSG0ENSMUSG0	185.3538	-0.20041	0.121441	-1.65031	0.098879	0.490981	4833413G1
ENSMUSG0ENSMUSG0	668.6138	0.181289	0.11332	1.599797	0.109644	0.512855	Snhg8
ENSMUSG0ENSMUSG0	73.25893	-0.13305	0.138932	-0.95768	0.338223	0.76086	Gm8234
ENSMUSG0ENSMUSG0	121.0856	0.103902	0.145486	0.71417	0.475122	0.842373	Gm43079
ENSMUSG0ENSMUSG0	79.40102	-0.15023	0.131086	-1.14606	0.25177	0.697958	Gm42595
ENSMUSG0ENSMUSG0	586.1786	-0.04168	0.128127	-0.32528	0.744969	0.941278	Gm42927
ENSMUSG0ENSMUSG0	70.67604	-0.00464	0.144633	-0.03207	0.974414	0.996035	Gm38413
ENSMUSG0ENSMUSG0	84.86924	0.129095	0.145571	0.886817	0.375177	0.787458	Gm42875
ENSMUSG0ENSMUSG0	63.99665	-0.08913	0.138147	-0.6452	0.518801	0.864474	Gm43577
ENSMUSG0ENSMUSG0	60.82938	-0.1386	0.139236	-0.99543	0.319525	0.750368	Gm42878
ENSMUSG0ENSMUSG0	66.59038	-0.19488	0.139999	-1.39203	0.163915	0.603036	BC030343
ENSMUSG0ENSMUSG0	1562.528	0.074442	0.127296	0.584797	0.558684	0.883256	Gm42428
ENSMUSG0ENSMUSG0	270.1566	-0.13882	0.134206	-1.03434	0.300976	0.739127	Gm42641
ENSMUSG0ENSMUSG0	530.3163	0.099697	0.138227	0.721253	0.470754	0.840394	Rpl36a-ps2
ENSMUSG0ENSMUSG0	168.5344	-0.26775	0.110405	-2.42519	0.0153	0.193858	C130013HC
ENSMUSG0ENSMUSG0	213.8424	-0.09637	0.128182	-0.7518	0.452172	0.827254	Gm43540
ENSMUSG0ENSMUSG0	40.84831	-0.06757	0.145634	-0.46395	0.642681	0.914852	Gm19710
ENSMUSG0ENSMUSG0	117.5428	-0.03235	0.127301	-0.25414	0.79939	0.956574	Gm43566
ENSMUSG0ENSMUSG0	40.71145	0.185285	0.143331	1.292705	0.196113	0.642276	Gm43847
ENSMUSG0ENSMUSG0	222.7642	-0.14668	0.119755	-1.22481	0.220647	0.671412	Gm2861
ENSMUSG0ENSMUSG0	82.33846	-0.25249	0.13277	-1.90167	0.057215	0.386063	9130604C2
ENSMUSG0ENSMUSG0	104.3571	-0.22791	0.118163	-1.92881	0.053754	0.375415	4932422M:
ENSMUSG0ENSMUSG0	38.06232	-0.034	0.145014	-0.23444	0.814642	0.959419	Gm42829
ENSMUSG0ENSMUSG0	117.8475	-0.18825	0.130566	-1.44183	0.14935	0.58254	Gm43254
ENSMUSG0ENSMUSG0	14306.36	0.043222	0.112702	0.383506	0.701345	0.934077	AI506816
ENSMUSG0ENSMUSG0	36.70081	0.173438	0.144604	1.199398	0.230373	0.68053	Gm42463
ENSMUSG0ENSMUSG0	958.7706	0.134042	0.134289	0.998165	0.318199	0.75003	Gm4332
ENSMUSG0ENSMUSG0	111668	0.039271	0.143076	0.274476	0.783719	0.95278	CT010467.1

ENSMUSG0ENSMUSGC	62.61338	-0.03278	0.141084	-0.23237	0.816253	0.959755	Gm43190
ENSMUSG0ENSMUSGC	896.3487	-0.26131	0.104265	-2.50622	0.012203	0.171522	Gm30648
ENSMUSG0ENSMUSGC	38.81941	0.357034	0.145651	2.451291	0.014234	0.186306	Gm20768
ENSMUSG0ENSMUSGC	2683.56	0.107752	0.124303	0.86685	0.386024	0.792576	Gm43549
ENSMUSG0ENSMUSGC	108.182	-0.01979	0.128489	-0.15403	0.877587	0.976224	C130083M:
ENSMUSG0ENSMUSGC	62.54568	0.11409	0.143887	0.792915	0.427828	0.815002	Gm43031
ENSMUSG0ENSMUSGC	43.8942	0.124732	0.135642	0.919569	0.357798	0.776143	Gm31026
ENSMUSG0ENSMUSGC	51.67711	-0.13715	0.137764	-0.99552	0.319484	0.750368	Gm36266
ENSMUSG0ENSMUSGC	133.8219	0.105605	0.129812	0.81352	0.41592	0.808403	Gm42669
ENSMUSG0ENSMUSGC	391.9807	0.01351	0.08578	0.157497	0.874853	0.97593	Gm43042
ENSMUSG0ENSMUSGC	1636.529	0.015501	0.091664	0.169104	0.865715	0.974239	Ip6k2
ENSMUSG0ENSMUSGC	897.0805	-0.12451	0.091796	-1.35637	0.17498	0.617685	Dgcr8
ENSMUSG0ENSMUSGC	1207.128	0.053855	0.102719	0.524296	0.600072	0.898993	Men1
ENSMUSG0ENSMUSGC	103.3258	0.007415	0.12884	0.057553	0.954105	0.99248	Tmem265
ENSMUSG0ENSMUSGC	3857.213	-0.0196	0.093752	-0.20906	0.834405	0.964584	AC127556.1
ENSMUSG0ENSMUSGC	38.77098	-0.35162	0.13978	-2.5155	0.011886	0.169569	Cacng8
ENSMUSG0ENSMUSGC	95.77942	0.035437	0.137583	0.257567	0.796741	0.955761	Gm20559
ENSMUSG0ENSMUSGC	41.95989	0.006615	0.144516	0.045771	0.963492	0.994289	Gm43498
ENSMUSG0ENSMUSGC	610.7496	0.053042	0.076488	0.693466	0.488017	0.850258	Ube2n-ps1
ENSMUSG0ENSMUSGC	6270.769	-0.22618	0.110115	-2.054	0.039975	0.324879	Peg13
ENSMUSG0ENSMUSGC	1367.129	-0.02331	0.077775	-0.29965	0.764442	0.947561	Map4k2
ENSMUSG0ENSMUSGC	3171.699	0.028677	0.075037	0.382175	0.702332	0.934077	Gtf3c2
ENSMUSG0ENSMUSGC	215.2369	-0.14153	0.10023	-1.41209	0.157923	0.596653	Gm20186
ENSMUSG0ENSMUSGC	630.1751	0.183867	0.116883	1.573087	0.115699	0.524253	Dcaf13
ENSMUSG0ENSMUSGC	477.5975	0.034526	0.082887	0.416542	0.677014	0.927788	Atg2a
ENSMUSG0ENSMUSGC	768.3526	-0.14347	0.083253	-1.72329	0.084835	0.459517	Snrnp40
ENSMUSG0ENSMUSGC	1492.498	0.046333	0.115892	0.399792	0.68931	0.931451	Mrpl33
ENSMUSG0ENSMUSGC	218.5873	-0.00517	0.111208	-0.0465	0.962913	0.994289	Gm42857
ENSMUSG0ENSMUSGC	101.5906	0.12663	0.134217	0.943471	0.34544	0.766898	Cthrc1
ENSMUSG0ENSMUSGC	196.7388	-0.14938	0.109034	-1.37001	0.170685	0.612136	Gm42785
ENSMUSG0ENSMUSGC	90.76644	0.06524	0.127522	0.511599	0.608932	0.903796	BX936338.1
ENSMUSG0ENSMUSGC	117.1592	-0.12696	0.121224	-1.04729	0.294966	0.734108	5930430L0
ENSMUSG0ENSMUSGC	1140.266	-0.01288	0.096484	-0.13348	0.893814	0.979634	Pum1
ENSMUSG0ENSMUSGC	216.37	-0.15116	0.115249	-1.31162	0.189649	0.637324	N4bp2os
ENSMUSG0ENSMUSGC	196.4156	-0.12705	0.118837	-1.06911	0.285018	0.725657	Gm45495
ENSMUSG0ENSMUSGC	839.1067	-0.01521	0.114383	-0.13295	0.894232	0.979691	0610012G0
ENSMUSG0ENSMUSGC	130.39	0.114297	0.107323	1.06498	0.286885	0.727292	Slc25a32
ENSMUSG0ENSMUSGC	1264.479	-0.08589	0.127515	-0.67354	0.500605	0.855483	Gm2762
ENSMUSG0ENSMUSGC	958.2936	-0.07054	0.131694	-0.53563	0.592218	0.895697	Gm42715
ENSMUSG0ENSMUSGC	998.4959	0.223555	0.065155	3.43111	0.000601	0.026519	Ehd1
ENSMUSG0ENSMUSGC	678.5346	0.063879	0.077211	0.827333	0.408048	0.802351	Nckipsd
ENSMUSG0ENSMUSGC	1689.088	-0.16534	0.120521	-1.37186	0.170108	0.611308	Gm42742
ENSMUSG0ENSMUSGC	130.0433	-0.02493	0.143096	-0.1742	0.861711	0.972861	Gm43597
ENSMUSG0ENSMUSGC	427.4127	0.042315	0.145351	0.291121	0.770959	0.949297	Nrxn2
ENSMUSG0ENSMUSGC	110.2516	-0.17249	0.14501	-1.18949	0.234246	0.68322	1110006O2
ENSMUSG0ENSMUSGC	269.1034	-0.06839	0.137585	-0.49705	0.619154	0.907335	Fzd6
ENSMUSG0ENSMUSGC	175.9084	0.034771	0.124583	0.279097	0.78017	0.951422	AC168054.1
ENSMUSG0ENSMUSGC	189.4783	-0.02347	0.135625	-0.17304	0.862619	0.973203	Gm43796
ENSMUSG0ENSMUSGC	864.0348	0.051766	0.105827	0.489158	0.62473	0.908091	Gm9794
ENSMUSG0ENSMUSGC	3582.4	0.237127	0.083634	2.835283	0.004579	0.099004	Uqcrc1
ENSMUSG0ENSMUSGC	1477.146	-0.09289	0.095438	-0.9733	0.330403	0.75708	Cdc42bpg
ENSMUSG0ENSMUSGC	1401.713	-0.09325	0.124692	-0.74785	0.454552	0.829099	Celsr3

ENSMUSG0ENSMUSG0	859.6426	-0.09445	0.071503	-1.32091	0.18653	0.632742	AC170751.4
ENSMUSG0ENSMUSG0	1307.551	-0.03774	0.092583	-0.4076	0.683566	0.93061	Mpv17
ENSMUSG0ENSMUSG0	38.1937	-0.32539	0.142862	-2.27763	0.022749	0.24038	Gm19719
ENSMUSG0ENSMUSG0	1125.595	-0.04403	0.093076	-0.47309	0.636148	0.912525	Ppp2r5b
ENSMUSG0ENSMUSG0	71.07365	-0.12582	0.130942	-0.96088	0.336612	0.759804	Gm43660
ENSMUSG0ENSMUSG0	934.5075	0.247322	0.138324	1.787992	0.073777	0.432157	AC152063.6
ENSMUSG0ENSMUSG0	176.4962	-0.10909	0.131503	-0.82957	0.406781	0.801957	Zfp862-ps
ENSMUSG0ENSMUSG0	1880.291	-0.26648	0.108705	-2.45143	0.014229	0.186306	Gm45062
ENSMUSG0ENSMUSG0	591.3459	0.030078	0.115071	0.261387	0.793794	0.955378	Gm2011
ENSMUSG0ENSMUSG0	83.51088	-0.02957	0.128684	-0.22981	0.818241	0.959879	Gm44126
ENSMUSG0ENSMUSG0	220.8685	-0.07907	0.075063	-1.05341	0.292153	0.732274	Gm45140
ENSMUSG0ENSMUSG0	39.1033	-0.0872	0.131566	-0.66279	0.507464	0.85875	Gm44109
ENSMUSG0ENSMUSG0	45.36612	-0.0082	0.144816	-0.05663	0.954842	0.992605	D830050J11
ENSMUSG0ENSMUSG0	61.76612	-0.00515	0.1379	-0.03734	0.970214	0.995539	Gm44597
ENSMUSG0ENSMUSG0	189.5494	-0.22215	0.107095	-2.07436	0.038046	0.317054	1810059H2
ENSMUSG0ENSMUSG0	3164.859	-0.00224	0.14275	-0.01569	0.987482	0.998385	Olfr1372-ps
ENSMUSG0ENSMUSG0	48.48694	0.049964	0.140476	0.355675	0.722084	0.937571	Gm43960
ENSMUSG0ENSMUSG0	218.7096	-0.1803	0.12629	-1.42762	0.1534	0.589902	Atp11c
ENSMUSG0ENSMUSG0	59.83096	0.108516	0.136684	0.793923	0.42724	0.81459	BC026762
ENSMUSG0ENSMUSG0	1590.22	0.135326	0.122989	1.10031	0.271197	0.713936	Snhg1
ENSMUSG0ENSMUSG0	102.8062	0.357995	0.12014	2.979812	0.002884	0.073436	Gm45051
ENSMUSG0ENSMUSG0	56.80397	-0.00017	0.142374	-0.00117	0.99907	0.999408	Gm44997
ENSMUSG0ENSMUSG0	159.7851	-0.20312	0.139134	-1.45992	0.144313	0.573946	4732496C0
ENSMUSG0ENSMUSG0	178.5837	0.254722	0.124098	2.052595	0.040112	0.325197	AV356131
ENSMUSG0ENSMUSG0	589.6653	-0.13955	0.145656	-0.95809	0.33802	0.760786	Gm18537
ENSMUSG0ENSMUSG0	78.92426	-0.1278	0.138934	-0.91988	0.357635	0.776056	Gm38973
ENSMUSG0ENSMUSG0	247.7569	-0.19316	0.122964	-1.57086	0.116216	0.525543	Gm44850
ENSMUSG0ENSMUSG0	822.7319	-0.11708	0.13864	-0.8445	0.398388	0.798847	Gm37494
ENSMUSG0ENSMUSG0	40.43829	0.071356	0.145655	0.489899	0.624206	0.908041	Gm44949
ENSMUSG0ENSMUSG0	102.8062	0.357995	0.12014	2.979812	0.002884	0.073436	AC116115.1
ENSMUSG0ENSMUSG0	321.2149	-0.18402	0.10049	-1.83126	0.067061	0.416339	0610030E2
ENSMUSG0ENSMUSG0	1195.146	0.071805	0.075475	0.951372	0.341415	0.763927	Zdhhc8
ENSMUSG0ENSMUSG0	36.75631	-0.07906	0.145814	-0.54219	0.587684	0.894311	Gm45151
ENSMUSG0ENSMUSG0	58.8657	-0.20896	0.143013	-1.46115	0.143974	0.573946	Gm44777
ENSMUSG0ENSMUSG0	777.511	0.058012	0.082355	0.70441	0.481178	0.846451	Zcchc17
ENSMUSG0ENSMUSG0	431.4701	-0.14988	0.104606	-1.4328	0.151916	0.587575	4930533N2
ENSMUSG0ENSMUSG0	148.9647	0.110195	0.128368	0.858432	0.390654	0.794806	4933432K0
ENSMUSG0ENSMUSG0	422.2131	-0.13768	0.129152	-1.06601	0.28642	0.726761	Gm45090
ENSMUSG0ENSMUSG0	79.67847	-0.06352	0.14586	-0.43546	0.663228	0.924638	Gm44911
ENSMUSG0ENSMUSG0	50.26524	-0.01609	0.145532	-0.11054	0.911979	0.983954	Gm44578
ENSMUSG0ENSMUSG0	95.5519	-0.04531	0.126353	-0.35857	0.719917	0.936421	Gm45792
ENSMUSG0ENSMUSG0	74.71314	-0.22877	0.130272	-1.75611	0.07907	0.445187	Gm45235
ENSMUSG0ENSMUSG0	54.05992	0.011191	0.126501	0.088467	0.929505	0.985827	Gm45155
ENSMUSG0ENSMUSG0	111.358	0.132677	0.133903	0.990839	0.321764	0.751751	Gm32031
ENSMUSG0ENSMUSG0	36.62571	-0.11071	0.143075	-0.77382	0.439036	0.820234	Gm45159
ENSMUSG0ENSMUSG0	174.6034	-0.12555	0.125995	-0.99644	0.319036	0.750366	4930431P1
ENSMUSG0ENSMUSG0	37.78313	0.022388	0.143151	0.156394	0.875723	0.97593	Gm3257
ENSMUSG0ENSMUSG0	66.04814	-0.15989	0.14212	-1.12505	0.260569	0.704211	Gm35339
ENSMUSG0ENSMUSG0	89.09977	-0.10433	0.122003	-0.85513	0.39248	0.795486	Gm45038
ENSMUSG0ENSMUSG0	69.37282	-0.07085	0.134717	-0.5259	0.598961	0.898778	Gm44715
ENSMUSG0ENSMUSG0	137.918	0.141794	0.119874	1.182863	0.236863	0.685759	Gm10297
ENSMUSG0ENSMUSG0	38.88292	0.083091	0.145612	0.570633	0.568249	0.888146	AC167978.1

ENSMUSG0ENSMUSGC	503.6076	-0.01384	0.127944	-0.10817	0.913863	0.983954	A330076HC
ENSMUSG0ENSMUSGC	5273.508	0.192004	0.115461	1.662931	0.096326	0.486525	Prmt1
ENSMUSG0ENSMUSGC	3963.552	-0.00475	0.08207	-0.05787	0.953849	0.992357	Samd4b
ENSMUSG0ENSMUSGC	641.9864	0.235615	0.128249	1.83716	0.066186	0.413684	Gm19410
ENSMUSG0ENSMUSGC	228.2786	-0.24628	0.113143	-2.17673	0.029501	0.27556	U2af1l4
ENSMUSG0ENSMUSGC	485.4585	-0.09955	0.101005	-0.98561	0.324323	0.754022	A230057DC
ENSMUSG0ENSMUSGC	132.6857	0.035093	0.114443	0.306642	0.759116	0.945578	Gm3854
ENSMUSG0ENSMUSGC	119.9448	0.081511	0.12872	0.633244	0.526574	0.868304	A930037HC
ENSMUSG0ENSMUSGC	57.05824	-0.01044	0.145975	-0.07149	0.943004	0.988949	Gm44702
ENSMUSG0ENSMUSGC	50.60374	-0.21098	0.133131	-1.58475	0.113023	0.518563	Gm9195
ENSMUSG0ENSMUSGC	40.64718	0.114101	0.140583	0.811623	0.417008	0.808902	Gm44724
ENSMUSG0ENSMUSGC	3355.794	0.306319	0.065012	4.711711	2.46E-06	0.000557	Nup62
ENSMUSG0ENSMUSGC	55.17433	-0.04571	0.13671	-0.33435	0.738116	0.940097	Gm44821
ENSMUSG0ENSMUSGC	200.3518	-0.14432	0.137189	-1.052	0.292801	0.733073	A230057DC
ENSMUSG0ENSMUSGC	293.3552	-0.12121	0.142918	-0.84808	0.396394	0.797241	Gm45470
ENSMUSG0ENSMUSGC	36.75677	-0.04222	0.144676	-0.29181	0.770431	0.949297	Gm31166
ENSMUSG0ENSMUSGC	982.2151	0.305697	0.098443	3.105324	0.001901	0.054993	Gm45606
ENSMUSG0ENSMUSGC	127.7101	0.025885	0.118133	0.219117	0.826559	0.962521	Gm35315
ENSMUSG0ENSMUSGC	86.31055	-0.0485	0.126892	-0.38222	0.702296	0.934077	Gm45447
ENSMUSG0ENSMUSGC	83.45256	-0.03566	0.106046	-0.33626	0.736678	0.939257	Gm45847
ENSMUSG0ENSMUSGC	54.82279	-0.07507	0.14529	-0.51667	0.60539	0.902145	Gm45605
ENSMUSG0ENSMUSGC	489.1145	0.039774	0.088341	0.450231	0.652544	0.919812	Gm45627
ENSMUSG0ENSMUSGC	2699.968	0.12707	0.06248	2.033767	0.041975	0.33254	Hspa14
ENSMUSG0ENSMUSGC	57.66643	-0.06648	0.139912	-0.47519	0.63465	0.912468	Gm28756
ENSMUSG0ENSMUSGC	48.4931	0.10603	0.144306	0.734757	0.462488	0.834626	AU023762
ENSMUSG0ENSMUSGC	888.5922	-0.23083	0.089024	-2.59285	0.009518	0.149334	Chmp1b
ENSMUSG0ENSMUSGC	428.7393	0.0003	0.113345	0.002647	0.997888	0.998981	Gm45551
ENSMUSG0ENSMUSGC	387.7447	-0.0009	0.104471	-0.00858	0.993154	0.998539	Brd3os
ENSMUSG0ENSMUSGC	38.43644	0.14176	0.140801	1.006809	0.314027	0.747209	Gm19196
ENSMUSG0ENSMUSGC	47.92191	0.174051	0.128802	1.351299	0.1766	0.619699	C030029HC
ENSMUSG0ENSMUSGC	3113.814	-0.0387	0.116647	-0.3318	0.740041	0.940232	Gm45322
ENSMUSG0ENSMUSGC	81.29664	-0.13196	0.131867	-1.00069	0.316977	0.750019	Gm45844
ENSMUSG0ENSMUSGC	37.52726	-0.15558	0.145185	-1.07163	0.283887	0.725004	Gm30978
ENSMUSG0ENSMUSGC	37.07705	0.153457	0.144627	1.061056	0.288664	0.728621	Gm18562
ENSMUSG0ENSMUSGC	125.6693	0.020634	0.146009	0.141318	0.887618	0.978595	5830408C2
ENSMUSG0ENSMUSGC	201.1693	0.398806	0.134035	2.975394	0.002926	0.074079	Gm42067
ENSMUSG0ENSMUSGC	838.8126	0.095268	0.094804	1.004889	0.31495	0.747985	Igip
ENSMUSG0ENSMUSGC	271.4534	0.088338	0.118458	0.745727	0.455832	0.829671	Flt3l
ENSMUSG0ENSMUSGC	126.5886	0.091872	0.140733	0.652811	0.513878	0.862501	Gm45799
ENSMUSG0ENSMUSGC	94.34088	0.016746	0.125895	0.133016	0.89418	0.979691	Gm45486
ENSMUSG0ENSMUSGC	56.66736	-0.02999	0.138965	-0.21582	0.829124	0.963218	C130073E2
ENSMUSG0ENSMUSGC	349.7724	-0.11042	0.096883	-1.13972	0.254403	0.700275	Gm45871
ENSMUSG0ENSMUSGC	104.1356	-0.19822	0.145984	-1.35779	0.17453	0.617483	Gm8189
ENSMUSG0ENSMUSGC	46.60584	0.180177	0.145926	1.234717	0.216936	0.667845	Gm45311
ENSMUSG0ENSMUSGC	96.23222	-0.309	0.125815	-2.45599	0.01405	0.185007	Gm45250
ENSMUSG0ENSMUSGC	433.7163	0.133329	0.143905	0.926508	0.354182	0.774327	Gm45716
ENSMUSG0ENSMUSGC	358.0955	0.063629	0.132333	0.480825	0.630641	0.911457	A030001D2
ENSMUSG0ENSMUSGC	80.92291	-0.01358	0.131046	-0.10366	0.917441	0.984548	Gm38947
ENSMUSG0ENSMUSGC	53.11714	-0.05591	0.143398	-0.38987	0.696632	0.933418	Gm45518
ENSMUSG0ENSMUSGC	499.71	0.013466	0.137593	0.097867	0.922038	0.985705	Gm42031
ENSMUSG0ENSMUSGC	64.69574	0.001641	0.143482	0.011439	0.990873	0.998539	Gm36445
ENSMUSG0ENSMUSGC	69.66119	0.084564	0.145855	0.579782	0.562061	0.885011	Gm45881

ENSMUSG0ENSMUSG0	47.2123	0.137823	0.145538	0.946993	0.343642	0.765894	1700012D1
ENSMUSG0ENSMUSG0	52.47868	0.017003	0.145796	0.116622	0.907159	0.982338	4933406B1
ENSMUSG0ENSMUSG0	320.11	-0.06377	0.119944	-0.53163	0.59498	0.896659	Gm10033
ENSMUSG0ENSMUSG0	684.9152	0.181732	0.145696	1.247335	0.212275	0.662162	Gm31518
ENSMUSG0ENSMUSG0	45.64863	0.10978	0.139493	0.78699	0.431288	0.816305	Gm1943
ENSMUSG0ENSMUSG0	3088.119	0.134424	0.103266	1.30172	0.193012	0.639447	Gm4316
ENSMUSG0ENSMUSG0	114.1253	-0.12675	0.145591	-0.87059	0.383976	0.79097	Gm45774
ENSMUSG0ENSMUSG0	195.1454	-0.06142	0.112818	-0.54442	0.58615	0.894128	Gm32856
ENSMUSG0ENSMUSG0	163.7481	0.001292	0.124754	0.010356	0.991737	0.998539	Gm20163
ENSMUSG0ENSMUSG0	56.35254	0.308583	0.137871	2.238199	0.025208	0.253733	K230015D0
ENSMUSG0ENSMUSG0	40446.51	-0.03839	0.064815	-0.59226	0.553674	0.881128	Gm42047
ENSMUSG0ENSMUSG0	79.61437	-0.18218	0.129377	-1.40815	0.159086	0.59683	Gm20735
ENSMUSG0ENSMUSG0	38.55892	0.146626	0.145748	1.006025	0.314404	0.7474	Gm31805
ENSMUSG0ENSMUSG0	42.56546	-0.00386	0.14512	-0.0266	0.97878	0.996602	Gm45833
ENSMUSG0ENSMUSG0	107.6722	-0.0265	0.142765	-0.18563	0.852732	0.9698	Gm45899
ENSMUSG0ENSMUSG0	63.89971	0.00364	0.120005	0.03033	0.975804	0.996296	Gm6013
ENSMUSG0ENSMUSG0	1827.142	-0.11	0.099857	-1.10161	0.27063	0.713936	C78859
ENSMUSG0ENSMUSG0	79.18071	-0.36298	0.139548	-2.60111	0.009292	0.147168	Gm30606
ENSMUSG0ENSMUSG0	2701.153	0.085935	0.141569	0.607018	0.543839	0.875214	Gm46223
ENSMUSG0ENSMUSG0	948.6108	-0.00763	0.08508	-0.0897	0.928523	0.985705	Mast3
ENSMUSG0ENSMUSG0	37.86704	0.111575	0.136792	0.815655	0.414698	0.807961	AC061963.1
ENSMUSG0ENSMUSG0	1048.474	0.028235	0.069853	0.404198	0.686067	0.931173	Nek2
ENSMUSG0ENSMUSG0	116.8983	-0.0214	0.143783	-0.14884	0.881679	0.97678	Pwwp2b
ENSMUSG0ENSMUSG0	54.63847	0.015403	0.141787	0.108633	0.913493	0.983954	Gm20275
ENSMUSG0ENSMUSG0	189.7676	0.155556	0.141783	1.097146	0.272578	0.715515	Slc30a1
ENSMUSG0ENSMUSG0	59.97765	0.040899	0.138281	0.295764	0.76741	0.948583	Ptpmt1
ENSMUSG0ENSMUSG0	37.74774	-0.05385	0.145702	-0.36956	0.711707	0.935647	Gm34655
ENSMUSG0ENSMUSG0	2717.61	0.149821	0.108291	1.383508	0.166509	0.605329	AC141438.1
ENSMUSG0ENSMUSG0	2228.645	0.060234	0.08025	0.750574	0.452909	0.827496	Celf1
ENSMUSG0ENSMUSG0	1545.594	-0.02464	0.114123	-0.21587	0.829092	0.963218	AC162446.1
ENSMUSG0ENSMUSG0	104.6384	-0.02713	0.145517	-0.18644	0.852102	0.9698	Arrdc2
ENSMUSG0ENSMUSG0	47.66017	0.039609	0.122119	0.32435	0.745673	0.941322	AC121298.1
ENSMUSG0ENSMUSG0	210.813	-0.08633	0.108587	-0.795	0.426612	0.81459	Gm9856
ENSMUSG0ENSMUSG0	239.334	-0.05943	0.132166	-0.44969	0.652931	0.919812	Nudt8
ENSMUSG0ENSMUSG0	101.2398	-0.06758	0.145166	-0.46555	0.641538	0.914411	C1qtnf4
ENSMUSG0ENSMUSG0	2187.006	-0.11141	0.125586	-0.88708	0.375034	0.787458	Jund
ENSMUSG0ENSMUSG0	223.5445	-0.04788	0.102902	-0.4653	0.641714	0.914411	AC122428.1
ENSMUSG0ENSMUSG0	109.701	0.272534	0.134372	2.02821	0.042539	0.333069	Lrrc27
ENSMUSG0ENSMUSG0	1383.961	-0.04116	0.103501	-0.39765	0.690887	0.931679	Gm20300
ENSMUSG0ENSMUSG0	96.78619	0.088028	0.131568	0.669072	0.50345	0.856225	Rtn4r
ENSMUSG0ENSMUSG0	1479.293	-0.01527	0.107828	-0.14158	0.887409	0.978595	Mar-05
ENSMUSG0ENSMUSG0	261.5274	-0.67011	0.123465	-5.42756	5.71E-08	3.60E-05	Gatm
ENSMUSG0ENSMUSG0	8522.804	-0.05678	0.100658	-0.56409	0.572692	0.889939	Hnrnpu
ENSMUSG0ENSMUSG0	39.40227	0.227977	0.144569	1.576945	0.114808	0.522571	AC156832.1
ENSMUSG0ENSMUSG0	45.9436	0.030323	0.14279	0.212359	0.831827	0.963529	Gm46136
ENSMUSG0ENSMUSG0	1230.941	-0.10047	0.068546	-1.46576	0.142714	0.572013	Slc30a4
ENSMUSG0ENSMUSG0	2626.672	0.070831	0.093946	0.753954	0.450877	0.826504	Kif11
ENSMUSG0ENSMUSG0	170.6826	-0.1278	0.116293	-1.09891	0.271805	0.714919	Olf1328
ENSMUSG0ENSMUSG0	69.00223	0.076081	0.141976	0.535871	0.592048	0.895697	AC127302.1
ENSMUSG0ENSMUSG0	42.3882	-0.29336	0.143856	-2.03926	0.041424	0.330577	AC132474.1
ENSMUSG0ENSMUSG0	135.1094	-0.11084	0.139816	-0.79276	0.427917	0.815002	AC124577.1
ENSMUSG0ENSMUSG0	38.25632	-0.03476	0.14484	-0.23996	0.810357	0.958353	AC125374.1

ENSMUSG0ENSMUSG0	185.556	-0.01573	0.126618	-0.1242	0.901155	0.981243	AC159896.3
ENSMUSG0ENSMUSG0	87.8105	0.20101	0.127392	1.57788	0.114593	0.522075	AC162938.1
ENSMUSG0ENSMUSG0	46.42478	0.159947	0.139166	1.149325	0.250422	0.697484	Gm19531
ENSMUSG0ENSMUSG0	198.3579	-0.04632	0.121315	-0.38179	0.702616	0.934077	AC162446.5
ENSMUSG0ENSMUSG0	42.63177	0.089887	0.145153	0.619253	0.53575	0.872592	AC163661.1
ENSMUSG0ENSMUSG0	94.75986	-0.09479	0.144649	-0.65529	0.51228	0.861697	A830010M
ENSMUSG0ENSMUSG0	93.16084	0.054225	0.140626	0.385595	0.699797	0.933914	AC175315.1
ENSMUSG0ENSMUSG0	41.63607	-0.1596	0.145115	-1.09978	0.271428	0.714348	Gm39465
ENSMUSG0ENSMUSG0	205.0091	-0.14404	0.133676	-1.0775	0.281256	0.721879	CT025660.2
ENSMUSG0ENSMUSG0	55.17642	-0.21306	0.134984	-1.57843	0.114466	0.521853	AC166710.1
ENSMUSG0ENSMUSG0	77.07205	-0.20311	0.14549	-1.39603	0.162705	0.601576	AC158598.1
ENSMUSG0ENSMUSG0	588.7691	0.021451	0.122387	0.17527	0.860868	0.972797	Rcor3
ENSMUSG0ENSMUSG0	53.31777	0.005455	0.146	0.03736	0.970198	0.995539	AL669898.7
ENSMUSG0ENSMUSG0	36.62998	0.212032	0.145758	1.454689	0.145755	0.575953	AC165080.4
ENSMUSG0ENSMUSG0	385.5007	0.059054	0.143894	0.410397	0.681515	0.929695	CAAA01144
ENSMUSG0ENSMUSG0	43.46527	0.073223	0.144409	0.507056	0.612116	0.904605	AC161250.1
ENSMUSG0ENSMUSG0	693.1219	0.229807	0.105829	2.171497	0.029894	0.277107	Mpv17l2
ENSMUSG0ENSMUSG0	872.1264	-0.19265	0.103566	-1.86019	0.062858	0.404145	AC155921.1
ENSMUSG0ENSMUSG0	287.1901	-0.06779	0.123934	-0.54701	0.584374	0.893087	Raver1
ENSMUSG0ENSMUSG0	51.66204	-0.00139	0.146006	-0.00955	0.992383	0.998539	AC149294.1
ENSMUSG0ENSMUSG0	45.65591	-0.02081	0.144329	-0.14421	0.885336	0.977637	Olfr1238
ENSMUSG0ENSMUSG0	106.9494	-0.0939	0.132448	-0.70898	0.47834	0.844242	AC122273.1
ENSMUSG0ENSMUSG0	409.6922	-0.09871	0.126271	-0.7817	0.434389	0.817775	Desi2
ENSMUSG0ENSMUSG0	766.4607	-0.01805	0.129281	-0.13963	0.88895	0.978618	AC115034.1
ENSMUSG0ENSMUSG0	77.29977	0.058462	0.123799	0.472232	0.636761	0.912673	AC158598.1
ENSMUSG0ENSMUSG0	49.37563	-0.04813	0.137019	-0.3513	0.725366	0.938024	Olfr1192-ps
ENSMUSG0ENSMUSG0	1256.439	0.052575	0.13293	0.395509	0.692467	0.932146	AC154630.1
ENSMUSG0ENSMUSG0	1411.045	0.182419	0.072125	2.529218	0.011432	0.16571	Ide
ENSMUSG0ENSMUSG0	136.361	0.026163	0.142439	0.18368	0.854264	0.970422	AC109138.8
ENSMUSG0ENSMUSG0	644.9926	0.144256	0.132261	1.090696	0.275407	0.716915	AC087064.3
ENSMUSG0ENSMUSG0	47.68965	-0.07493	0.142131	-0.52717	0.598077	0.898157	AC151971.6
ENSMUSG0ENSMUSG0	69.35186	-0.0392	0.145232	-0.2699	0.787241	0.953866	AC125532.1
ENSMUSG0ENSMUSG0	439.3153	0.080371	0.07807	1.029479	0.303255	0.739759	Kbtbd4
ENSMUSG0ENSMUSG0	46.93412	-0.07433	0.145616	-0.51046	0.609727	0.903973	AC127302.3
ENSMUSG0ENSMUSG0	65.02158	-0.2654	0.145987	-1.81798	0.069067	0.421143	AC019302.1
ENSMUSG0ENSMUSG0	3365.175	0.162567	0.078944	2.059282	0.039467	0.322089	Mtch2
ENSMUSG0ENSMUSG0	1610.924	0.145127	0.097164	1.493627	0.135273	0.560855	Ndufs3
ENSMUSG0ENSMUSG0	530.9216	0.291054	0.119924	2.426983	0.015225	0.193453	Cox20
ENSMUSG0ENSMUSG0	385.8971	0.020975	0.121942	0.172007	0.863432	0.973533	Gm30373
ENSMUSG0ENSMUSG0	117.9519	-0.06226	0.143426	-0.43411	0.664211	0.924679	Pde4c
ENSMUSG0ENSMUSG0	132.4397	0.070109	0.133573	0.524873	0.599671	0.898934	AC140449.1
ENSMUSG0ENSMUSG0	145.8827	-0.25632	0.145289	-1.76421	0.077697	0.441948	AC161250.1
ENSMUSG0ENSMUSG0	1448.881	0.027023	0.099619	0.271263	0.786188	0.953517	Pik3r2
ENSMUSG0ENSMUSG0	45.36961	-0.02267	0.14344	-0.15804	0.874425	0.97593	D830035M
ENSMUSG0ENSMUSG0	72.68028	0.013097	0.139336	0.093998	0.925111	0.985705	AC159809.1
ENSMUSG0ENSMUSG0	263.8602	0.172233	0.127139	1.354688	0.175517	0.617729	AC113124.1

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Supplemental Table 1. RIP-RNA. Fold change in Ago2-ipurinoprecipitates of MIN6 cells transfected with r

Gene.stable	Gene.name	baseMean	log2FoldCh	lfcSE	stat	pvalue	padj
ENSMUSG0	Gnpat	1437.596	1.059022	0.100019	10.58819	3.38E-26	4.92E-23
ENSMUSG0	M6pr	754.0456	1.027285	0.112478	9.133212	6.65E-20	6.46E-17
ENSMUSG0	Trnp1	290.4404	1.017347	0.141537	7.187831	6.58E-13	5.48E-10
ENSMUSG0	Rhot2	263.2878	0.978498	0.140125	6.983052	2.89E-12	2.10E-09
ENSMUSG0	Mtftp1	132.915	0.908711	0.150087	6.054546	1.41E-09	5.86E-07
ENSMUSG0	Guk1	159.0373	0.892965	0.150834	5.920179	3.22E-09	1.17E-06
ENSMUSG0	Tnks1bp1	127.6125	0.884793	0.170131	5.20066	1.99E-07	4.63E-05
ENSMUSG0	Rpl35	149.5498	0.883606	0.159526	5.538935	3.04E-08	8.44E-06
ENSMUSG0	Coch	105.2635	0.878482	0.174359	5.03834	4.70E-07	9.43E-05
ENSMUSG0	Mlxip1	545.3391	0.868155	0.133974	6.48005	9.17E-11	5.34E-08
ENSMUSG0	Lsm14b	219.6794	0.850769	0.136314	6.241235	4.34E-10	2.11E-07
ENSMUSG0	Tor2a	306.4065	0.794265	0.135288	5.870903	4.33E-09	1.40E-06
ENSMUSG0	Apoo	126.2621	0.753448	0.179958	4.186797	2.83E-05	0.003069
ENSMUSG0	Vps29	202.7988	0.724497	0.140498	5.15663	2.51E-07	5.58E-05
ENSMUSG0	Cyth1	366.6129	0.722428	0.128595	5.617857	1.93E-08	5.63E-06
ENSMUSG0	Anp32a	266.4918	0.714896	0.135994	5.25681	1.47E-07	3.71E-05
ENSMUSG0	Zfp111	129.8963	0.696479	0.162339	4.290281	1.78E-05	0.00231
ENSMUSG0	Abtb1	219.7149	0.692767	0.145582	4.758614	1.95E-06	0.000344
ENSMUSG0	Vipr1	924.3149	0.690911	0.116048	5.953681	2.62E-09	1.02E-06
ENSMUSG0	Trabd	349.0674	0.677609	0.14027	4.830762	1.36E-06	0.000248
ENSMUSG0	Syvn1	1296.563	0.673522	0.099692	6.75604	1.42E-11	9.18E-09
ENSMUSG0	Smdt1	166.895	0.668223	0.152262	4.388628	1.14E-05	0.001661
ENSMUSG0	Pgp	175.1149	0.656402	0.150509	4.361211	1.29E-05	0.001794
ENSMUSG0	Nectin2	122.6526	0.648825	0.152034	4.267643	1.98E-05	0.002449
ENSMUSG0	Ppp4r3a	369.5217	0.64717	0.12308	5.258127	1.46E-07	3.71E-05
ENSMUSG0	Aftph	191.1877	0.640992	0.146405	4.378212	1.20E-05	0.0017
ENSMUSG0	Cs	569.6254	0.638992	0.110712	5.771654	7.85E-09	2.41E-06
ENSMUSG0	Ppp6r1	485.9425	0.636591	0.123793	5.142377	2.71E-07	5.64E-05
ENSMUSG0	G6pc3	112.4753	0.605219	0.157476	3.843238	0.000121	0.011053
ENSMUSG0	Ppp1r1a	527.975	0.604992	0.136731	4.424688	9.66E-06	0.001443
ENSMUSG0	Entpd3	1015.971	0.597059	0.137895	4.329795	1.49E-05	0.002022
ENSMUSG0	Rabl6	325.4909	0.590894	0.128416	4.601416	4.20E-06	0.000661
ENSMUSG0	Lypla2	240.7259	0.565481	0.132946	4.253458	2.10E-05	0.002555
ENSMUSG0	Lrrc10b	177.8931	0.560886	0.145333	3.859307	0.000114	0.010685
ENSMUSG0	Ccdc50	216.8129	0.547362	0.145426	3.763845	0.000167	0.014997
ENSMUSG0	Inpp4a	253.0024	0.546501	0.12945	4.221723	2.42E-05	0.002825
ENSMUSG0	Ppp6r3	655.5107	0.545088	0.116322	4.686035	2.79E-06	0.000464
ENSMUSG0	Vmp1	229.4649	0.54201	0.145128	3.734692	0.000188	0.01659
ENSMUSG0	Rtn2	153.9811	0.539446	0.147013	3.669365	0.000243	0.021005
ENSMUSG0	Rnf44	422.4987	0.53858	0.125799	4.281273	1.86E-05	0.002354
ENSMUSG0	Cbs	332.8475	0.535949	0.128048	4.185531	2.85E-05	0.003069
ENSMUSG0	Rtn4rl1	269.9788	0.524582	0.133305	3.935196	8.31E-05	0.008209
ENSMUSG0	Fen1	259.5733	0.518704	0.126043	4.115312	3.87E-05	0.004023
ENSMUSG0	Sun1	227.9121	0.510771	0.1399	3.650972	0.000261	0.022059
ENSMUSG0	Qdpr	576.7493	0.507709	0.109957	4.617346	3.89E-06	0.000629
ENSMUSG0	Klc2	222.7368	0.505289	0.137784	3.667263	0.000245	0.021005
ENSMUSG0	Ubp1	266.827	0.502395	0.143568	3.49934	0.000466	0.032739
ENSMUSG0	Id1	154.315	0.500632	0.150656	3.323013	0.000891	0.058956
ENSMUSG0	Nhs1	160.8783	0.486726	0.154429	3.151784	0.001623	0.093606
ENSMUSG0	Qsox2	478.6038	0.485453	0.112346	4.321069	1.55E-05	0.002056

ENSMUSG0Apc2	144.3481	0.485371	0.145567	3.334342	0.000855	0.057922
ENSMUSG0Retreg2	783.5225	0.478059	0.09729	4.913771	8.93E-07	0.000168
ENSMUSG0Entpd7	414.4774	0.476204	0.121966	3.904418	9.45E-05	0.009171
ENSMUSG0Suz12	694.7565	0.47529	0.105198	4.518036	6.24E-06	0.000957
ENSMUSG0Msl1	467.9966	0.468749	0.111517	4.2034	2.63E-05	0.003004
ENSMUSG0Uqcrfs1	220.7387	0.459323	0.147712	3.109585	0.001874	0.099646
ENSMUSG0Rfc5	241.1356	0.453455	0.144308	3.142269	0.001676	0.094825
ENSMUSG0Stard13	320.8329	0.44781	0.127083	3.523751	0.000425	0.03178
ENSMUSG0Cltb	292.5367	0.442847	0.125311	3.533983	0.000409	0.030972
ENSMUSG0Tomm70a	340.1249	0.442035	0.123962	3.565896	0.000363	0.027797
ENSMUSG0C1qa	282.1848	0.438282	0.120994	3.622328	0.000292	0.023957
ENSMUSG0Mtcl1	510.8551	0.429293	0.122392	3.507529	0.000452	0.032531
ENSMUSG0Ddr1	340.4258	0.428774	0.133473	3.212446	0.001316	0.080712
ENSMUSG0Uqcrb	322.6692	0.426007	0.136763	3.114931	0.00184	0.099251
ENSMUSG0Arhgef17	931.8798	0.416251	0.107448	3.873977	0.000107	0.010226
ENSMUSG0Pias4	366.6954	0.413234	0.118034	3.500968	0.000464	0.032739
ENSMUSG0Cnot6	1217.667	0.393472	0.098417	3.99802	6.39E-05	0.006416
ENSMUSG0Edem2	416.7929	0.391188	0.111261	3.515948	0.000438	0.031911
ENSMUSG0Rph3al	339.2074	0.385371	0.119783	3.217228	0.001294	0.080223
ENSMUSG0Usp47	577.2171	0.379106	0.115106	3.293524	0.000989	0.064131
ENSMUSG0Mink1	385.6974	0.374152	0.117924	3.172834	0.00151	0.090669
ENSMUSG0Gga2	840.7328	0.373156	0.111776	3.338437	0.000843	0.057747
ENSMUSG0Pdla6	1708.662	0.371632	0.096644	3.845363	0.00012	0.011053
ENSMUSG0Impdh1	326.0205	0.367106	0.117731	3.118167	0.00182	0.099085
ENSMUSG0Srebfl	1355.368	0.354139	0.108069	3.27696	0.001049	0.067179
ENSMUSG0Chtf8	432.8601	0.351151	0.111889	3.138393	0.001699	0.095164
ENSMUSG0Syp	1472.757	0.321854	0.101639	3.166628	0.001542	0.091681
ENSMUSG0Ahcyl1	1581.988	0.302386	0.097282	3.108341	0.001881	0.099646
ENSMUSG0Chic1	3449.684	-0.37826	0.105029	-3.60145	0.000316	0.025255
ENSMUSG0Rack1	457.5782	-0.38057	0.120905	-3.1477	0.001646	0.093994
ENSMUSG0Tns3	1367.263	-0.39801	0.113186	-3.5164	0.000437	0.031911
ENSMUSG0Ptpb3	779.1495	-0.42117	0.128874	-3.26807	0.001083	0.068572
ENSMUSG0Selenop	531.0585	-0.43442	0.108649	-3.99839	6.38E-05	0.006416
ENSMUSG0Cul1	217.405	-0.4409	0.139827	-3.15319	0.001615	0.093606
ENSMUSG0Mt1	1124.594	-0.44642	0.124585	-3.58324	0.000339	0.026717
ENSMUSG0Pcgf3	291.4573	-0.44658	0.123764	-3.60835	0.000308	0.024935
ENSMUSG0Ap1g1	488.8125	-0.44883	0.14315	-3.13538	0.001716	0.095232
ENSMUSG0Tspan7	549.643	-0.44937	0.125805	-3.57199	0.000354	0.02752
ENSMUSG0Pias1	284.5005	-0.45749	0.143562	-3.18668	0.001439	0.087339
ENSMUSG0Fyn	178.858	-0.45796	0.146273	-3.13088	0.001743	0.095789
ENSMUSG0Lhx1	379.0825	-0.46288	0.136731	-3.38535	0.000711	0.049305
ENSMUSG0Rps14	254.9805	-0.46556	0.141371	-3.29316	0.000991	0.064131
ENSMUSG0Soat1	379.0704	-0.47516	0.130518	-3.64058	0.000272	0.02264
ENSMUSG0Slc30a7	274.6506	-0.51701	0.15525	-3.33017	0.000868	0.058121
ENSMUSG0Hist1h2bb	150.2724	-0.52514	0.16603	-3.16289	0.001562	0.091927
ENSMUSG0Zfp384	145.1236	-0.52776	0.162607	-3.24562	0.001172	0.073417
ENSMUSG0G6pc2	5867.675	-0.5404	0.129018	-4.18859	2.81E-05	0.003069
ENSMUSG0Tuba1b	4043.949	-0.55493	0.106145	-5.22809	1.71E-07	4.16E-05
ENSMUSG0Sfxn1	257.6899	-0.59151	0.141549	-4.17884	2.93E-05	0.003104
ENSMUSG0Wnk3	530.7435	-0.59852	0.141081	-4.24241	2.21E-05	0.002629
ENSMUSG0Fsd1l	224.0781	-0.63685	0.134986	-4.71795	2.38E-06	0.000408
ENSMUSG0Rgmb	164.5793	-0.73465	0.148126	-4.95961	7.06E-07	0.000137

ENSMUSG0 Rpl10	370.3572	-0.82938	0.161005	-5.15128	2.59E-07	5.58E-05
ENSMUSG0 Pcbp1	665.7165	-0.847	0.137312	-6.16847	6.90E-10	3.09E-07
ENSMUSG0 Rpl10-ps3	1365.025	-0.85787	0.137389	-6.24412	4.26E-10	2.11E-07
ENSMUSG0 Id2	195.5415	-0.89353	0.151699	-5.89019	3.86E-09	1.32E-06
ENSMUSG0 Gabarap	946.7206	-1.34354	0.140239	-9.58033	9.67E-22	1.13E-18
ENSMUSG0 Spp1	548.3831	-1.54622	0.140773	-10.9838	4.57E-28	8.88E-25
ENSMUSG0 Mrpl38	199.4179	-1.86855	0.151089	-12.3673	3.93E-35	1.14E-31
ENSMUSG0 Gm10275	276.3364	-1.88174	0.14226	-13.2274	6.09E-40	3.55E-36
ENSMUSG0 Cadm1	502.8612	0.411041	0.132905	3.092734	0.001983	0.104092
ENSMUSG0 Igf2os	599.389	-0.36906	0.119744	-3.08205	0.002056	0.106939
ENSMUSG0 E130309D0	130.0866	0.473368	0.154017	3.073486	0.002116	0.109082
ENSMUSG0 AU040320	423.0145	0.41809	0.1362	3.069673	0.002143	0.109515
ENSMUSG0 Ints7	225.7961	0.426973	0.13952	3.060287	0.002211	0.112024
ENSMUSG0 Tspan5	592.8265	-0.36966	0.121094	-3.05268	0.002268	0.113912
ENSMUSG0 Pabpc1	1307.932	-0.33886	0.111515	-3.03868	0.002376	0.117324
ENSMUSG0 Rif1	358.3366	0.459119	0.151092	3.038666	0.002376	0.117324
ENSMUSG0 Gcnt1	277.6548	0.372117	0.122584	3.035612	0.0024	0.117523
ENSMUSG0 Mrpl53	107.3645	0.493852	0.163231	3.025483	0.002482	0.119523
ENSMUSG0 Naca	298.9978	-0.55215	0.182406	-3.02705	0.00247	0.119523
ENSMUSG0 Rora	200.8375	-0.42908	0.142057	-3.02047	0.002524	0.120523
ENSMUSG0 Iapp	27044.65	-0.358	0.11871	-3.01577	0.002563	0.121413
ENSMUSG0 Lmnbl	965.7388	0.297335	0.098971	3.004256	0.002662	0.124276
ENSMUSG0 Mcm6	637.0592	0.371781	0.123771	3.003789	0.002666	0.124276
ENSMUSG0 Sstr3	631.4124	0.325467	0.108699	2.9942	0.002752	0.127231
ENSMUSG0 Ralgapa1	580.1737	-0.37469	0.126196	-2.96909	0.002987	0.132299
ENSMUSG0 Eif4a3	220.7197	0.402286	0.135578	2.967182	0.003005	0.132299
ENSMUSG0 Sema6d	176.5752	-0.48816	0.164263	-2.9718	0.002961	0.132299
ENSMUSG0 Adh5	119.647	0.453106	0.152257	2.975938	0.002921	0.132299
ENSMUSG0 Ptp4a2	196.8581	-0.44244	0.148818	-2.97299	0.002949	0.132299
ENSMUSG0 Cbx7	107.322	0.502773	0.168885	2.97702	0.002911	0.132299
ENSMUSG0 Pappa2	346.3153	0.396356	0.133648	2.965674	0.00302	0.132299
ENSMUSG0 Zfp91	549.9138	-0.36787	0.124554	-2.95354	0.003142	0.136585
ENSMUSG0 Atp5j	434.3328	0.457993	0.155882	2.938081	0.003303	0.142522
ENSMUSG0 mt-Atp6	634.0457	-0.3794	0.129517	-2.92933	0.003397	0.145518
ENSMUSG0 Dnajc14	142.3681	0.439463	0.15033	2.923319	0.003463	0.147275
ENSMUSG0 Ldb1	205.7941	-0.4192	0.143555	-2.92013	0.003499	0.147715
ENSMUSG0 Gmpr	124.4338	0.444944	0.152939	2.909282	0.003623	0.151836
ENSMUSG0 Hdhd5	110.2703	0.451661	0.156183	2.891865	0.00383	0.158237
ENSMUSG0 Pde7a	167.5769	0.44372	0.153321	2.894066	0.003803	0.158237
ENSMUSG0 Eif2ak3	324.3245	0.366583	0.127001	2.886454	0.003896	0.15985
ENSMUSG0 Astn1	313.6772	0.428077	0.149114	2.870803	0.004094	0.166174
ENSMUSG0 Atp8b1	868.1454	0.357851	0.124695	2.869803	0.004107	0.166174
ENSMUSG0 Xkrx	378.1028	0.353656	0.123349	2.867117	0.004142	0.166435
ENSMUSG0 Cep192	250.8726	-0.38568	0.135209	-2.85246	0.004338	0.173111
ENSMUSG0 Atp2b4	262.7242	0.513403	0.180294	2.847587	0.004405	0.173161
ENSMUSG0 Vasp	149.4397	0.438874	0.154213	2.845902	0.004429	0.173161
ENSMUSG0 Pop5	231.554	0.383887	0.134819	2.84742	0.004408	0.173161
ENSMUSG0 Napa	389.3034	0.34039	0.120274	2.830126	0.004653	0.180721
ENSMUSG0 Atp2a3	2440.047	0.228797	0.080968	2.825781	0.004717	0.18078
ENSMUSG0 Txn1	794.807	-0.30534	0.107985	-2.82762	0.00469	0.18078
ENSMUSG0 Atp6v0b	1090.008	0.265963	0.094209	2.823102	0.004756	0.181107

ENSMUSG0Nrd1	1157.612	-0.2779	0.098893	-2.81015	0.004952	0.187336
ENSMUSG0Fam83h	213.709	0.371478	0.132329	2.807242	0.004997	0.187814
ENSMUSG0Map1lc3b	225.4613	-0.44083	0.157643	-2.79641	0.005167	0.192983
ENSMUSG0Ptp4a1	603.9148	-0.36244	0.129985	-2.78834	0.005298	0.196596
ENSMUSG0B4galt5	302.3491	0.338458	0.122095	2.772086	0.00557	0.205239
ENSMUSG0Efcab14	231.1665	0.414721	0.149705	2.770253	0.005601	0.205239
ENSMUSG0Psmid6	248.8802	0.345029	0.125041	2.759331	0.005792	0.2109
ENSMUSG0Tln2	126.0344	0.416906	0.151585	2.750314	0.005954	0.215447
ENSMUSG0Dscr3	133.6572	-0.43298	0.157716	-2.74529	0.006046	0.216469
ENSMUSG0Pdx1	691.4206	-0.27533	0.100311	-2.74471	0.006056	0.216469
ENSMUSG0Neu1	390.045	0.310349	0.113342	2.73817	0.006178	0.216631
ENSMUSG0Ttbk1	288.1033	0.338071	0.123647	2.734168	0.006254	0.216631
ENSMUSG06030458C1	273.3302	0.348817	0.127433	2.737264	0.006195	0.216631
ENSMUSG0Akap9	340.2953	0.403752	0.14756	2.736189	0.006216	0.216631
ENSMUSG0Mgat3	214.2328	0.358558	0.131229	2.732315	0.006289	0.216631
ENSMUSG0Kcnc3	241.2096	0.351498	0.128296	2.739747	0.006149	0.216631
ENSMUSG0Dolk	171.1179	0.406715	0.148945	2.730638	0.006321	0.216631
ENSMUSG0Zfp148	304.8077	-0.41974	0.154294	-2.72041	0.00652	0.219576
ENSMUSG0Abcc5	244.772	0.387832	0.142472	2.72216	0.006486	0.219576
ENSMUSG0Parp1	695.8939	0.283582	0.104109	2.723889	0.006452	0.219576
ENSMUSG0Ceacam1	218.8094	0.375988	0.138797	2.7089	0.006751	0.226031
ENSMUSG0Ecd	129.1045	0.417115	0.154255	2.704062	0.00685	0.228038
ENSMUSG0Svil	440.9997	-0.297	0.10999	-2.70027	0.006928	0.229341
ENSMUSG0Abr	463.7258	0.300095	0.111285	2.696626	0.007005	0.230558
ENSMUSG0Pgm2l1	200.908	-0.3748	0.139322	-2.69017	0.007142	0.233748
ENSMUSG0Ndufa11	251.7488	-0.37893	0.141471	-2.67853	0.007395	0.238584
ENSMUSG0Map3k3	401.4644	-0.33741	0.126006	-2.67773	0.007412	0.238584
ENSMUSG0Jarid2	646.3081	0.300526	0.112145	2.679802	0.007367	0.238584
ENSMUSG0Ubxn6	132.0785	0.426033	0.1597	2.66771	0.007637	0.244469
ENSMUSG0Klhl42	338.4159	-0.31594	0.118629	-2.66326	0.007739	0.246371
ENSMUSG0Rhobtb3	367.3568	-0.32159	0.121031	-2.65707	0.007882	0.248734
ENSMUSG0Rfk	180.2122	-0.39983	0.150926	-2.64916	0.008069	0.248734
ENSMUSG0Nsmaf	219.9439	0.383349	0.144435	2.654128	0.007951	0.248734
ENSMUSG0Creld1	113.0925	0.428711	0.161639	2.652267	0.007995	0.248734
ENSMUSG0Becn1	242.1292	0.357035	0.134653	2.651528	0.008013	0.248734
ENSMUSG0Syndig1l	287.8701	-0.34286	0.129406	-2.6495	0.008061	0.248734
ENSMUSG0Mt2	236.2411	-0.42217	0.159506	-2.64676	0.008127	0.249192
ENSMUSG0Txlna	336.8478	0.342814	0.129753	2.642054	0.00824	0.251356
ENSMUSG0Cbx5	4555.247	-0.25282	0.095907	-2.6361	0.008387	0.253783
ENSMUSG0Gm47933	159.4566	0.404871	0.153636	2.635265	0.008407	0.253783
ENSMUSG0Ell2	132.4835	-0.40413	0.154083	-2.62283	0.00872	0.261879
ENSMUSG0Atg4d	111.7207	0.422219	0.161558	2.613424	0.008964	0.267121
ENSMUSG0Osbp19	151.8484	0.393928	0.150782	2.612565	0.008987	0.267121
ENSMUSG0Kat6a	362.3287	-0.32535	0.124734	-2.60839	0.009097	0.268011
ENSMUSG0Gm20716	159.6291	-0.43682	0.167496	-2.60795	0.009109	0.268011
ENSMUSG0Dedd2	163.2844	0.411331	0.158169	2.60058	0.009307	0.272464
ENSMUSG0Mcm3ap	219.2142	-0.34017	0.130911	-2.59846	0.009364	0.272782
ENSMUSG0Anxa6	305.6073	-0.3328	0.128286	-2.59421	0.009481	0.273768
ENSMUSG0Fbxo5	181.4983	-0.36407	0.140569	-2.58998	0.009598	0.273768
ENSMUSG0Alkbh5	534.2054	0.284015	0.109719	2.588567	0.009638	0.273768
ENSMUSG09930111J2:	104.2559	0.407461	0.157433	2.58816	0.009649	0.273768
ENSMUSG0Hist2h3c2	231.5611	-0.39187	0.151456	-2.58732	0.009673	0.273768

ENSMUSG0 Rpl10a-ps1	119.8559	0.439617	0.16993	2.587053	0.00968	0.273768
ENSMUSG0 Abl2	270.5165	0.372498	0.144281	2.581752	0.00983	0.276665
ENSMUSG0 Nfya	500.0396	0.320315	0.124221	2.578591	0.00992	0.277629
ENSMUSG0 Lbh	317.246	-0.32834	0.127404	-2.57718	0.009961	0.277629
ENSMUSG0 Rsrp1	392.3273	-0.33183	0.128836	-2.57558	0.010007	0.277629
ENSMUSG0 Rpn1	1303.382	0.288332	0.112201	2.569776	0.010176	0.280986
ENSMUSG0 Ttyh1	801.4951	0.26675	0.104017	2.564472	0.010333	0.281878
ENSMUSG0 Ncapd3	296.1881	-0.34943	0.136259	-2.56442	0.010335	0.281878
ENSMUSG0 Fam126b	286.6991	0.34199	0.133393	2.56378	0.010354	0.281878
ENSMUSG0 Dad1	586.4604	-0.30605	0.119915	-2.55225	0.010703	0.288366
ENSMUSG0 Usp20	234.8636	0.348601	0.136735	2.549457	0.010789	0.288366
ENSMUSG0 Pdik1l	148.5674	-0.38598	0.151238	-2.55215	0.010706	0.288366
ENSMUSG0 AI506816	1328.836	-0.27581	0.108184	-2.54942	0.01079	0.288366
ENSMUSG0 Npc2	302.9352	-0.31663	0.12519	-2.52922	0.011432	0.294694
ENSMUSG0 Galnt14	246.1704	0.343451	0.135492	2.534841	0.01125	0.294694
ENSMUSG0 Acads	143.3855	0.372018	0.146782	2.534492	0.011261	0.294694
ENSMUSG0 Plp2	878.4332	-0.33068	0.130683	-2.53037	0.011394	0.294694
ENSMUSG0 Med13	458.9432	-0.33877	0.133884	-2.53035	0.011395	0.294694
ENSMUSG0 Kmt2c	705.8589	0.285536	0.112701	2.533559	0.011291	0.294694
ENSMUSG09930021J0:	157.8146	0.401272	0.158564	2.53066	0.011385	0.294694
ENSMUSG0 Trappc13	143.1324	-0.391	0.155023	-2.52218	0.011663	0.298252
ENSMUSG0 Neurod1	4183.923	-0.42877	0.170074	-2.52109	0.011699	0.298252
ENSMUSG0 Hectd4	659.0238	-0.30455	0.120835	-2.52037	0.011723	0.298252
ENSMUSG0 Nup98	798.3356	-0.32874	0.130582	-2.51752	0.011818	0.299363
ENSMUSG0 Kif1a	155.0695	0.421353	0.16812	2.506267	0.012201	0.303532
ENSMUSG0 Orc2	224.4948	0.354394	0.141583	2.503089	0.012311	0.303532
ENSMUSG0 Mad1l1	134.1779	0.373713	0.148845	2.510748	0.012048	0.303532
ENSMUSG0 Tjp1	892.54	-0.24894	0.099386	-2.50475	0.012254	0.303532
ENSMUSG0 Ppp3r1	327.6168	-0.31843	0.127319	-2.50106	0.012382	0.303532
ENSMUSG0 Rps23-ps1	141.4615	0.367767	0.146662	2.507592	0.012156	0.303532
ENSMUSG0 Gm42927	825.0919	0.413282	0.165276	2.50056	0.0124	0.303532
ENSMUSG0 Gm43540	248.9639	0.408227	0.162792	2.507653	0.012154	0.303532
ENSMUSG0 Sacs	647.2431	-0.27036	0.108186	-2.49904	0.012453	0.303565
ENSMUSG0 Zfhx2	1291.868	-0.27471	0.110073	-2.49574	0.01257	0.305126
ENSMUSG0 Rpl10a	241.8819	-0.36791	0.147583	-2.49292	0.01267	0.306285
ENSMUSG0 Nup133	147.0932	0.394333	0.158846	2.482491	0.013047	0.314092
ENSMUSG0 Pms2	137.4714	0.380074	0.153651	2.473621	0.013375	0.320673
ENSMUSG0 Thoc3	113.1937	0.419438	0.169727	2.471244	0.013464	0.32149
ENSMUSG0 Trim44	344.0674	0.300507	0.121779	2.467648	0.0136	0.323412
ENSMUSG0 Nme2	330.1399	-0.30611	0.124276	-2.46318	0.013771	0.324222
ENSMUSG0 Meaf6	120.0821	0.416849	0.169128	2.464695	0.013713	0.324222
ENSMUSG0 Gm47103	165.3936	0.374405	0.152049	2.462391	0.013801	0.324222
ENSMUSG0 Axin1	138.1068	0.366477	0.149126	2.457495	0.013991	0.326046
ENSMUSG0 Hipk3	1063.013	-0.2597	0.105629	-2.45859	0.013948	0.326046
ENSMUSG0 Abca5	492.4413	-0.3291	0.134134	-2.45351	0.014147	0.327219
ENSMUSG0 Ndufb8	201.2547	0.362959	0.147945	2.45334	0.014154	0.327219
ENSMUSG0 Grem1	127.7455	-0.37489	0.153076	-2.44902	0.014324	0.329859
ENSMUSG0 Sumo2	618.53	-0.33078	0.135505	-2.44107	0.014644	0.334706
ENSMUSG0 Akirin1	374.3777	0.287066	0.117742	2.438099	0.014765	0.334706
ENSMUSG0 Ins1	6922.218	-0.2101	0.08611	-2.43991	0.014691	0.334706
ENSMUSG0 Trp53bp1	251.3173	0.336468	0.137993	2.438295	0.014757	0.334706
ENSMUSG0 Rce1	130.6661	0.361266	0.148484	2.433036	0.014973	0.338107

ENSMUSG0Vps8	194.1036	0.367565	0.151549	2.425384	0.015292	0.343986
ENSMUSG0Tmed9	1253.971	0.265853	0.109692	2.423629	0.015366	0.344323
ENSMUSG0Lypla1	202.9288	0.395965	0.163599	2.420333	0.015506	0.346129
ENSMUSG0Mef2a	218.6589	0.324727	0.134309	2.41775	0.015617	0.347265
ENSMUSG0Crocc	117.9179	0.400315	0.16568	2.416191	0.015684	0.347429
ENSMUSG0Ece1	4443.548	0.203501	0.084315	2.413574	0.015797	0.348609
ENSMUSG0Olf46	237.6453	0.36168	0.149946	2.412067	0.015862	0.348733
ENSMUSG0Gm42785	370.4307	0.393723	0.16337	2.410008	0.015952	0.349388
ENSMUSG0Nckap1	1319.313	-0.24109	0.100222	-2.40552	0.016149	0.349761
ENSMUSG0Nup210	700.711	0.259223	0.107656	2.407873	0.016046	0.349761
ENSMUSG0Gm42669	179.6599	0.397199	0.165093	2.405912	0.016132	0.349761
ENSMUSG0Slc35e4	120.7871	0.363902	0.151518	2.401704	0.016319	0.352126
ENSMUSG0Tb11xr1	160.045	0.394849	0.164523	2.399966	0.016397	0.352496
ENSMUSG0Recql	113.8779	0.40732	0.169841	2.398242	0.016474	0.352858
ENSMUSG0Hivep2	570.1612	-0.31738	0.132673	-2.39217	0.016749	0.35355
ENSMUSG0Rufy3	194.1891	0.325423	0.135911	2.394376	0.016649	0.35355
ENSMUSG0Urb1	137.9599	0.375237	0.156756	2.393759	0.016677	0.35355
ENSMUSG0Fry	241.3617	0.346885	0.144969	2.392815	0.01672	0.35355
ENSMUSG0Tlnrd1	169.262	0.356768	0.149402	2.387975	0.016941	0.356322
ENSMUSG0Rps6	433.3332	-0.3126	0.131534	-2.3766	0.017473	0.366184
ENSMUSG0Ankrd13c	211.0968	0.312284	0.131677	2.371595	0.017712	0.369847
ENSMUSG02610002M	117.1526	-0.40267	0.170143	-2.36665	0.01795	0.37216
ENSMUSG0Adam22	344.7635	0.310514	0.131199	2.366746	0.017945	0.37216
ENSMUSG0Cul4b	137.6038	-0.35989	0.152225	-2.36422	0.018068	0.37328
ENSMUSG0Prdm15	115.3959	0.402299	0.170796	2.355428	0.018501	0.379173
ENSMUSG0Rgs4	795.7983	-0.24111	0.102388	-2.35486	0.01853	0.379173
ENSMUSG0Gm43960	103.5142	0.364936	0.154996	2.35448	0.018549	0.379173
ENSMUSG0Ptbp1	1028.302	-0.26599	0.113317	-2.34733	0.018908	0.385176
ENSMUSG0Cyp51	758.0883	0.237109	0.101213	2.342673	0.019146	0.385971
ENSMUSG0Gm10718	575.45	0.30687	0.130856	2.345087	0.019023	0.385971
ENSMUSG0Gm37515	308.343	0.373938	0.159562	2.343526	0.019102	0.385971
ENSMUSG0Inpp5j	166.9999	-0.33946	0.145021	-2.34079	0.019243	0.386583
ENSMUSG0Rtn4	694.7278	0.239178	0.102313	2.337713	0.019402	0.387144
ENSMUSG0Acat1	458.452	0.281072	0.120235	2.337683	0.019404	0.387144
ENSMUSG0Atp5c1	306.9244	-0.30196	0.129336	-2.33473	0.019557	0.388878
ENSMUSG0Hexa	779.1252	-0.24767	0.1063	-2.32988	0.019812	0.391275
ENSMUSG0Mapre1	1203.894	-0.32399	0.139049	-2.33002	0.019805	0.391275
ENSMUSG0Map1a	182.6614	-0.32649	0.14027	-2.32762	0.019932	0.392313
ENSMUSG0Kat14	157.1537	0.365581	0.157822	2.316418	0.020535	0.396158
ENSMUSG0Ccna2	2228.556	-0.27924	0.120384	-2.31955	0.020365	0.396158
ENSMUSG0Onecut2	848.0507	-0.30379	0.131104	-2.31718	0.020494	0.396158
ENSMUSG0Zfp473	107.9425	0.377295	0.162477	2.322146	0.020225	0.396158
ENSMUSG0Cdca2	170.1341	0.33225	0.1434	2.316948	0.020507	0.396158
ENSMUSG0Gm45038	168.8374	0.363773	0.156805	2.319903	0.020346	0.396158
ENSMUSG0Zfp871	401.8818	-0.30897	0.133622	-2.31226	0.020763	0.399231
ENSMUSG0Hist1h2bc	147.56	-0.37463	0.16215	-2.31037	0.020868	0.399303
ENSMUSG0Robo2	1281.544	0.216072	0.093599	2.308476	0.020973	0.399303
ENSMUSG0Gm44715	106.08	0.379434	0.164339	2.308856	0.020952	0.399303
ENSMUSG0Eps8	119.3078	0.372937	0.161815	2.304718	0.021182	0.401982
ENSMUSG0BC005537	634.6016	0.248704	0.108169	2.299219	0.021493	0.403921
ENSMUSG0Fam118a	127.7289	0.357426	0.15544	2.299442	0.02148	0.403921
ENSMUSG0Gm29055	207.0454	0.353024	0.153423	2.300993	0.021392	0.403921

ENSMUSG0 Gm17132	281.9632	0.366929	0.159916	2.294512	0.021761	0.407654
ENSMUSG0 Smim14	210.2735	-0.30772	0.134319	-2.29097	0.021965	0.410161
ENSMUSG0 Rnasek	788.546	-0.33718	0.147279	-2.28938	0.022057	0.410565
ENSMUSG0 Sfi1	114.4407	0.394422	0.173051	2.279222	0.022654	0.417127
ENSMUSG0 Ldlr	684.2224	0.265511	0.116511	2.278841	0.022676	0.417127
ENSMUSG0 Cip2a	305.6574	-0.30579	0.134207	-2.27851	0.022696	0.417127
ENSMUSG0 Rpl23	192.9569	-0.36493	0.160055	-2.28004	0.022605	0.417127
ENSMUSG0 Gm26905	3360.062	0.364647	0.160185	2.276408	0.022822	0.418109
ENSMUSG0 Ercc6l2	147.7349	-0.32729	0.144369	-2.26701	0.02339	0.424511
ENSMUSG0 Ufc1	110.8998	-0.35554	0.156774	-2.26788	0.023337	0.424511
ENSMUSG0 Hist1h3g	318.1191	-0.30973	0.136584	-2.26765	0.02335	0.424511
ENSMUSG0 Mad2l1	132.5863	-0.35115	0.155776	-2.25419	0.024184	0.429565
ENSMUSG0 Mbtps1	335.3513	-0.28899	0.128043	-2.25699	0.024009	0.429565
ENSMUSG0 Cnot6l	876.7431	0.330454	0.146438	2.256608	0.024033	0.429565
ENSMUSG0 Melk	126.2732	-0.3414	0.151444	-2.25428	0.024179	0.429565
ENSMUSG0 Oaz2	108.0612	0.358239	0.158509	2.26006	0.023818	0.429565
ENSMUSG0 Tead1	178.7891	-0.3443	0.152622	-2.25592	0.024076	0.429565
ENSMUSG0 Olfr344	112.264	0.362349	0.160256	2.261062	0.023755	0.429565
ENSMUSG0 Abcb7	123.8846	0.359173	0.15947	2.252289	0.024304	0.43038
ENSMUSG0 Txndc9	136.3684	-0.35829	0.159239	-2.25002	0.024447	0.431609
ENSMUSG0 Atp8b2	199.517	-0.31145	0.138722	-2.24518	0.024757	0.435749
ENSMUSG0 Alg2	476.442	-0.28805	0.128385	-2.24364	0.024856	0.436169
ENSMUSG0 Fgd4	365.4463	0.401753	0.179348	2.240072	0.025086	0.438643
ENSMUSG0 Dusp11	183.7089	-0.35623	0.159135	-2.23853	0.025187	0.438643
ENSMUSG0 Tmem123	122.3402	-0.35459	0.158443	-2.23798	0.025222	0.438643
ENSMUSG0 Gm17131	556.8166	0.377262	0.168724	2.23597	0.025354	0.439615
ENSMUSG0 Nefm	1754.176	0.232	0.103919	2.232505	0.025582	0.439657
ENSMUSG0 Sreb2	446.8361	0.238156	0.106583	2.23446	0.025453	0.439657
ENSMUSG0 Man1c1	104.4983	0.354465	0.158775	2.232492	0.025582	0.439657
ENSMUSG0 Hmgn2	1138.088	-0.24655	0.110527	-2.23068	0.025702	0.440413
ENSMUSG0 mt-Co3	1444.57	-0.31023	0.13926	-2.2277	0.0259	0.442509
ENSMUSG0 Pgap3	114.849	0.342645	0.154628	2.215926	0.026697	0.453686
ENSMUSG0 Copz1	359.1768	-0.27309	0.12325	-2.21573	0.02671	0.453686
ENSMUSG0 Ube2c	606.3036	-0.27608	0.124759	-2.21288	0.026906	0.454364
ENSMUSG0 Polr2j	179.5175	-0.352	0.159043	-2.21326	0.02688	0.454364
ENSMUSG0 Bfar	144.8892	0.399033	0.180446	2.211373	0.02701	0.454798
ENSMUSG0 Xpo4	136.0475	0.3465	0.157338	2.202261	0.027647	0.457717
ENSMUSG0 Rb1	418.6824	-0.28593	0.129711	-2.20433	0.027501	0.457717
ENSMUSG0 Prdx1	747.6446	-0.28243	0.128252	-2.20215	0.027655	0.457717
ENSMUSG0 Zyg11b	199.4466	0.318128	0.144338	2.204048	0.027521	0.457717
ENSMUSG0 Zfhx3	864.5802	-0.21509	0.097645	-2.2028	0.027609	0.457717
ENSMUSG0 Hist1h2bj	125.9441	-0.35124	0.15943	-2.20309	0.027589	0.457717
ENSMUSG0 Gm10721	394.7778	0.280698	0.127555	2.200611	0.027764	0.458217
ENSMUSG0 Cbfa2t2	134.5887	0.3569	0.162267	2.199464	0.027845	0.458262
ENSMUSG0 Swt1	138.4223	0.35071	0.159699	2.196073	0.028087	0.460915
ENSMUSG0 Olfr1385	120.8692	0.352762	0.160793	2.193887	0.028244	0.460915
ENSMUSG0 Gm11168	383.2306	0.280139	0.12767	2.194249	0.028218	0.460915
ENSMUSG0 Prr11	390.5105	-0.30902	0.141289	-2.18712	0.028734	0.461711
ENSMUSG0 Gpr137b	123.5379	-0.33545	0.153388	-2.18692	0.028748	0.461711
ENSMUSG0 Pycr2	203.3327	0.304322	0.139517	2.181263	0.029164	0.461711
ENSMUSG0 Wdr5	155.328	0.335068	0.152929	2.191003	0.028452	0.461711
ENSMUSG0 Zbtb7b	130.321	0.346235	0.158175	2.188931	0.028602	0.461711

ENSMUSG0Lfng	127.0753	0.33445	0.153191	2.183216	0.02902	0.461711
ENSMUSG0PlekHg6	170.0618	0.31185	0.142856	2.182966	0.029038	0.461711
ENSMUSG0Abhd17b	178.1242	0.325269	0.148916	2.184246	0.028944	0.461711
ENSMUSG0Hist1h4n	113.1291	-0.37705	0.172746	-2.1827	0.029058	0.461711
ENSMUSG0Gm21897	321.0999	0.345826	0.158136	2.186893	0.02875	0.461711
ENSMUSG0Gm26917	7345.492	0.35691	0.163586	2.181782	0.029126	0.461711
ENSMUSG0Knl1	251.1324	-0.33147	0.152179	-2.17815	0.029395	0.464063
ENSMUSG0Dna2	1085.663	-0.24223	0.111263	-2.17712	0.029472	0.464063
ENSMUSG0Tle1	128.7247	0.322996	0.148447	2.175831	0.029568	0.464319
ENSMUSG0Mum1l1	169.3112	-0.32519	0.14957	-2.17418	0.029692	0.46501
ENSMUSG0Qk	367.1026	-0.26644	0.122637	-2.17257	0.029813	0.465656
ENSMUSG0Atp6v0e	1626.015	-0.30006	0.138514	-2.16624	0.030293	0.465809
ENSMUSG0Ptpn1	186.3209	0.32834	0.151621	2.165533	0.030347	0.465809
ENSMUSG0Zbtb41	445.4045	-0.25391	0.117327	-2.16416	0.030452	0.465809
ENSMUSG0Slc16a6	374.9276	-0.29458	0.136	-2.16601	0.030311	0.465809
ENSMUSG0AW549877	408.1911	-0.29208	0.134819	-2.16648	0.030274	0.465809
ENSMUSG0Gm10719	815.0487	0.260778	0.120506	2.164027	0.030462	0.465809
ENSMUSG0Kctd12	216.3917	-0.30332	0.139713	-2.17099	0.029932	0.465809
ENSMUSG0Pcdhgc3	284.8854	-0.27066	0.124804	-2.16868	0.030107	0.465809
ENSMUSG0Arid2	392.1998	0.258101	0.119381	2.161991	0.030619	0.466978
ENSMUSG0NdrG3	225.2748	0.32994	0.152722	2.160392	0.030742	0.467637
ENSMUSG0Dsp	155.4878	-0.31782	0.147244	-2.15843	0.030894	0.468723
ENSMUSG0Mga	884.6871	0.261003	0.121447	2.14912	0.031625	0.477322
ENSMUSG0Rap1b	724.7022	-0.26045	0.121146	-2.14985	0.031567	0.477322
ENSMUSG0Heg1	704.8478	0.232788	0.108409	2.147319	0.031768	0.478243
ENSMUSG0Msl2	668.5417	-0.26579	0.123994	-2.14353	0.03207	0.480315
ENSMUSG0Gm48443	506.6542	0.348963	0.162735	2.144367	0.032003	0.480315
ENSMUSG0Opn3	126.4967	-0.33768	0.157651	-2.14195	0.032198	0.480985
ENSMUSG0Ddost	2154.188	-0.19501	0.09115	-2.13947	0.032398	0.482738
ENSMUSG0Calm3	1312.479	-0.1923	0.090165	-2.13273	0.032947	0.487186
ENSMUSG0Cpeb2	431.6954	-0.24952	0.116996	-2.13272	0.032947	0.487186
ENSMUSG0Gm47102	141.9912	0.300362	0.140727	2.134357	0.032814	0.487186
ENSMUSG0P2ry1	1153.888	0.243702	0.114588	2.126763	0.03344	0.493216
ENSMUSG0Gtf2e2	178.0628	0.315855	0.148884	2.121488	0.033881	0.496788
ENSMUSG0mt-Rnr2	23091.74	-0.38268	0.180423	-2.12104	0.033918	0.496788
ENSMUSG0Pcnp	105.5269	-0.34109	0.160831	-2.12081	0.033938	0.496788
ENSMUSG0Mki67	1999.133	-0.27341	0.12918	-2.11652	0.0343	0.500838
ENSMUSG0Tmem258	765.2212	-0.30777	0.14559	-2.11398	0.034517	0.502736
ENSMUSG0Cggbp1	354.0132	-0.30769	0.145821	-2.11005	0.034854	0.506381
ENSMUSG0Jazf1	103.8887	-0.34791	0.164978	-2.1088	0.034961	0.50668
ENSMUSG0Tsc22d2	486.7543	-0.26781	0.127157	-2.1061	0.035195	0.50832
ENSMUSG0Gm10801	2470.732	0.245031	0.116377	2.105485	0.035249	0.50832
ENSMUSG0Npc1	172.5556	0.313673	0.149158	2.102954	0.03547	0.508983
ENSMUSG0Klhdc2	426.6848	-0.26461	0.12595	-2.1009	0.03565	0.51001
ENSMUSG0Stk11ip	106.2272	0.357686	0.170396	2.099146	0.035804	0.51001
ENSMUSG0Gm21738	438.9554	0.246503	0.117411	2.099489	0.035774	0.51001
ENSMUSG0Lingo1	369.3821	0.300287	0.143165	2.09748	0.035951	0.510856
ENSMUSG0Stat3	422.5096	0.290668	0.1388	2.094145	0.036247	0.511522
ENSMUSG0Elk3	155.1079	-0.30741	0.147014	-2.09102	0.036526	0.511522
ENSMUSG0Atp6v0d1	1395.13	-0.26434	0.126415	-2.09108	0.036521	0.511522
ENSMUSG0Ankrd10	544.9731	-0.2163	0.103659	-2.08668	0.036917	0.511522
ENSMUSG0Tent5a	390.7844	-0.26928	0.128785	-2.09097	0.036531	0.511522

ENSMUSG0 Ctsh	182.8918	-0.2999	0.143171	-2.09471	0.036196	0.511522
ENSMUSG0 Commd3	156.6594	-0.32008	0.153086	-2.09086	0.036541	0.511522
ENSMUSG0 Cdh22	154.6731	0.303852	0.145605	2.086821	0.036904	0.511522
ENSMUSG0 Hist1h4c	154.7361	-0.32567	0.15611	-2.08617	0.036963	0.511522
ENSMUSG0 Gm26870	13086.93	0.23928	0.114633	2.08735	0.036856	0.511522
ENSMUSG0 Gm2115	121.1513	-0.33554	0.16084	-2.08616	0.036964	0.511522
ENSMUSG0 Btg2	2769.476	-0.19773	0.094878	-2.08408	0.037153	0.512925
ENSMUSG0 Get4	172.5005	0.292182	0.140431	2.08061	0.03747	0.514854
ENSMUSG0 mt-Nd3	259.4585	-0.34166	0.164194	-2.08084	0.037448	0.514854
ENSMUSG0 Lrrc58	860.6308	-0.19587	0.094358	-2.07583	0.03791	0.519675
ENSMUSG0 Fmr1	227.3613	-0.29203	0.140985	-2.07138	0.038323	0.521388
ENSMUSG0 Kif11	221.0363	-0.27819	0.134446	-2.06917	0.03853	0.521388
ENSMUSG0 Tpst2	112.5475	-0.32816	0.158777	-2.06683	0.038751	0.521388
ENSMUSG0 Avl9	476.3932	0.223395	0.107882	2.070733	0.038384	0.521388
ENSMUSG0 Prc1	278.2677	-0.2786	0.134788	-2.06697	0.038737	0.521388
ENSMUSG0 Ctdspl	827.919	-0.20828	0.100705	-2.06816	0.038625	0.521388
ENSMUSG0 Nrm	178.8687	0.33421	0.161489	2.069551	0.038494	0.521388
ENSMUSG0 Gm47147	143.806	0.330304	0.159811	2.06684	0.038749	0.521388
ENSMUSG0 Tpt1	630.0794	-0.31326	0.151646	-2.06575	0.038853	0.521555
ENSMUSG0 Poldip2	187.3463	0.280927	0.136124	2.063756	0.039041	0.522878
ENSMUSG0 Gm23444	209.5929	0.361674	0.175626	2.059341	0.039462	0.525844
ENSMUSG0 Gm23472	209.6104	0.361686	0.175607	2.059627	0.039434	0.525844
ENSMUSG0 Kif11	220.9352	-0.27699	0.134552	-2.0586	0.039533	0.525844
ENSMUSG0 Gm10800	29528.17	0.231472	0.112565	2.056339	0.03975	0.52679
ENSMUSG0 Gm4117	255.0253	0.337284	0.164051	2.055974	0.039785	0.52679
ENSMUSG0 Pikfyve	391.4117	0.311571	0.151817	2.052284	0.040142	0.530313
ENSMUSG0 Rap2c	294.0957	-0.28874	0.141224	-2.04457	0.040897	0.539062
ENSMUSG0 Actn4	1242.617	0.196335	0.096159	2.041777	0.041174	0.541485
ENSMUSG0 Ndufv1	206.1703	0.269339	0.132052	2.039647	0.041386	0.543045
ENSMUSG0 Olfr1336	117.4833	0.343035	0.168532	2.035422	0.041808	0.546555
ENSMUSG0 Gm47355	105.8174	0.318673	0.156588	2.035101	0.041841	0.546555
ENSMUSG0 Cst3	218.8836	-0.28603	0.140695	-2.03301	0.042051	0.548081
ENSMUSG0 Arhgap26	132.9997	0.33362	0.164232	2.0314	0.042214	0.548976
ENSMUSG0 Nfat5	1216.395	-0.23388	0.11591	-2.01775	0.043618	0.55301
ENSMUSG0 Dnajc7	135.4892	0.317201	0.156716	2.024054	0.042965	0.55301
ENSMUSG0 Rad17	106.3159	0.330128	0.163441	2.01986	0.043398	0.55301
ENSMUSG0 Phc2	365.2979	0.235163	0.11628	2.022392	0.043136	0.55301
ENSMUSG0 Oat	148.0813	-0.29516	0.146096	-2.0203	0.043353	0.55301
ENSMUSG0 Igsf1	365.2695	-0.26425	0.130509	-2.02476	0.042892	0.55301
ENSMUSG0 Armc8	206.8322	-0.27452	0.136104	-2.017	0.043696	0.55301
ENSMUSG0 Skiv2l	154.0699	0.314601	0.155904	2.017909	0.043601	0.55301
ENSMUSG0 Olfr639	142.6172	0.321615	0.1595	2.016396	0.043759	0.55301
ENSMUSG0 Hist1h3e	231.7358	-0.2713	0.134491	-2.01721	0.043674	0.55301
ENSMUSG0 Mlycd	118.3425	0.316766	0.156303	2.026623	0.042701	0.55301
ENSMUSG0 Gm10720	392.0584	0.229652	0.113877	2.016673	0.04373	0.55301
ENSMUSG0 Gm10717	856.7933	0.232036	0.115073	2.016429	0.043755	0.55301
ENSMUSG0 Ccdc47	247.0062	0.256735	0.127437	2.014603	0.043946	0.55418
ENSMUSG0 Gm13722	159.3836	0.339299	0.168512	2.013502	0.044062	0.554437
ENSMUSG0 Rabgap1l	112.4201	0.321372	0.159972	2.008922	0.044545	0.55595
ENSMUSG0 Itpr1	160.6005	0.326968	0.16262	2.010623	0.044365	0.55595
ENSMUSG0 Rps2	405.1042	0.249611	0.124262	2.008749	0.044564	0.55595
ENSMUSG0 Slc38a10	371.5611	-0.24479	0.121825	-2.00937	0.044498	0.55595

ENSMUSG0 Gfra3	146.0131	0.307069	0.153029	2.006605	0.044792	0.556016
ENSMUSG0 Notch1	313.3807	0.298422	0.14883	2.005119	0.04495	0.556016
ENSMUSG0 Exoc4	326.5606	0.27679	0.137865	2.00769	0.044676	0.556016
ENSMUSG0 Rab3a	488.6701	-0.26806	0.133688	-2.00511	0.044951	0.556016
ENSMUSG0 Fam210b	206.285	-0.29661	0.148028	-2.00375	0.045096	0.556635
ENSMUSG0 Ippk	267.1087	0.253666	0.126883	1.999213	0.045585	0.561084
ENSMUSG0 Rptor	191.209	0.285066	0.142631	1.99862	0.04565	0.561084
ENSMUSG0 Timm23	227.4263	0.287123	0.143854	1.995928	0.045942	0.561486
ENSMUSG0 Fosl2	720.976	-0.21609	0.10825	-1.9962	0.045912	0.561486
ENSMUSG0 Focad	131.6849	0.363302	0.182068	1.995417	0.045997	0.561486
ENSMUSG0 Plekha1	428.7658	-0.23478	0.117696	-1.99477	0.046068	0.561486
ENSMUSG0 Ccne2	969.0105	-0.27815	0.140092	-1.98552	0.047087	0.564924
ENSMUSG0 Mpdz	131.1025	-0.31737	0.159463	-1.99025	0.046563	0.564924
ENSMUSG0 Neo1	382.8425	-0.26616	0.134038	-1.98568	0.047068	0.564924
ENSMUSG0 Fam96a	169.5063	0.305363	0.153631	1.987638	0.046852	0.564924
ENSMUSG0 Slc45a1	173.7256	0.277084	0.139452	1.986944	0.046929	0.564924
ENSMUSG0 Dnal1	117.0533	-0.32936	0.165401	-1.99126	0.046452	0.564924
ENSMUSG0 Scarna10	115.8746	-0.3348	0.168423	-1.98786	0.046828	0.564924
ENSMUSG0 Gm10722	237.0203	0.215676	0.108643	1.985171	0.047125	0.564924
ENSMUSG0 Cd164	1936.864	-0.25229	0.127343	-1.98118	0.047571	0.568723
ENSMUSG0 Gm20628	124.835	-0.31414	0.15861	-1.98059	0.047638	0.568723
ENSMUSG0 Pcsk7	122.1308	0.322221	0.162861	1.9785	0.047872	0.570356
ENSMUSG0 Glis	279.9887	-0.2539	0.128442	-1.97678	0.048067	0.571502
ENSMUSG0 Khlh9	343.999	-0.26367	0.133494	-1.97517	0.048249	0.572499
ENSMUSG0 Kmt2b	684.9474	-0.20567	0.104249	-1.97291	0.048506	0.573213
ENSMUSG0 Gak	376.4667	-0.23871	0.120952	-1.97362	0.048425	0.573213
ENSMUSG0 Far1	419.8041	-0.22806	0.115722	-1.97073	0.048755	0.574025
ENSMUSG0 Ythdf2	392.9476	0.252582	0.128232	1.969724	0.04887	0.574025
ENSMUSG0 Tenm4	274.8766	-0.30595	0.155319	-1.96983	0.048858	0.574025
ENSMUSG0 Capza2	212.4479	0.280335	0.142482	1.967509	0.049125	0.574638
ENSMUSG0 Scfd1	189.2053	-0.29409	0.149579	-1.96609	0.049288	0.574638
ENSMUSG0 Rbm6	122.3665	0.309777	0.157609	1.96547	0.04936	0.574638
ENSMUSG0 Hist2h2aa1	172.0793	-0.31541	0.160495	-1.96524	0.049387	0.574638
ENSMUSG0 Hist1h3c	167.7601	-0.31945	0.162711	-1.96329	0.049613	0.574638
ENSMUSG0 Gm48401	138.7864	0.311154	0.158425	1.964048	0.049525	0.574638
ENSMUSG0 Gm48128	846.7244	0.292837	0.149096	1.964088	0.04952	0.574638
ENSMUSG0 Epn1	535.5306	0.256803	0.13112	1.95854	0.050167	0.579903
ENSMUSG0 Zdhhc18	123.5886	0.332321	0.170403	1.950211	0.051151	0.58792
ENSMUSG0 F8a	180.6616	0.267235	0.137036	1.950111	0.051163	0.58792
ENSMUSG0 Seh1l	197.3804	0.287413	0.147374	1.950236	0.051148	0.58792
ENSMUSG0 Ccdc97	111.0061	0.299462	0.153921	1.945555	0.051708	0.588976
ENSMUSG0 Ago2	817.7944	-0.21378	0.109937	-1.94458	0.051825	0.588976
ENSMUSG0 Sgms2	308.4455	0.285043	0.146606	1.944282	0.051861	0.588976
ENSMUSG0 Phf21a	235.8329	-0.26235	0.134741	-1.94705	0.051528	0.588976
ENSMUSG0 Gm10040	152.108	0.350095	0.180027	1.944681	0.051813	0.588976
ENSMUSG0 Ppia	1202.821	-0.22421	0.115153	-1.94706	0.051528	0.588976
ENSMUSG0 Mark2	400.9744	0.226534	0.116671	1.941651	0.052179	0.591434
ENSMUSG0 Gsk3b	280.7312	-0.25457	0.131594	-1.93453	0.053047	0.592629
ENSMUSG0 Scg5	520.7909	-0.2268	0.117358	-1.93256	0.053291	0.592629
ENSMUSG0 Mlst8	168.2272	0.270113	0.140015	1.929177	0.053709	0.592629
ENSMUSG0 Cisd2	215.0265	-0.28757	0.14902	-1.92972	0.053641	0.592629
ENSMUSG0 Nipa2	166.4647	0.298899	0.154894	1.929708	0.053643	0.592629

ENSMUSG0Srrm3	176.4136	0.28531	0.147828	1.930014	0.053605	0.592629
ENSMUSG0Fancb	192.7522	-0.29617	0.153504	-1.92942	0.053679	0.592629
ENSMUSG0Kif18b	167.14	-0.28369	0.14705	-1.92924	0.053702	0.592629
ENSMUSG0Zfand2a	126.4226	0.288059	0.148573	1.938835	0.052521	0.592629
ENSMUSG0Nfic	1186.314	-0.18267	0.094481	-1.93343	0.053183	0.592629
ENSMUSG0Cacnb2	112.7764	-0.31633	0.163361	-1.9364	0.052818	0.592629
ENSMUSG0Hist1h4d	242.4071	-0.27363	0.141101	-1.93922	0.052474	0.592629
ENSMUSG0Cfl2	509.1399	-0.25744	0.132907	-1.93702	0.052744	0.592629
ENSMUSG0Med14	1097.881	-0.22567	0.116923	-1.93011	0.053593	0.592629
ENSMUSG0Mogs	409.8126	0.214374	0.11125	1.926953	0.053986	0.594555
ENSMUSG0Peak1	106.6485	-0.32033	0.166407	-1.92499	0.05423	0.596123
ENSMUSG0Zfp236	129.8385	0.300403	0.15642	1.920496	0.054795	0.60007
ENSMUSG0Pign	155.6842	0.334876	0.174309	1.921158	0.054712	0.60007
ENSMUSG0Serp1	937.8625	-0.1927	0.10047	-1.91804	0.055106	0.602243
ENSMUSG0Dnaja2	211.221	-0.26948	0.140663	-1.9158	0.05539	0.602243
ENSMUSG0Ascc3	686.2121	-0.25865	0.13499	-1.91608	0.055355	0.602243
ENSMUSG0Trim41	750.6296	0.245817	0.128319	1.915669	0.055407	0.602243
ENSMUSG0Zfp12	123.2852	0.301604	0.15759	1.913856	0.055639	0.603153
ENSMUSG0Sipa1l3	244.8944	0.301074	0.157483	1.911787	0.055904	0.603153
ENSMUSG0Phtf2	287.9986	-0.24144	0.126255	-1.9123	0.055838	0.603153
ENSMUSG0Maf	330.952	-0.24655	0.128966	-1.91178	0.055905	0.603153
ENSMUSG0Prr12	298.6944	0.238381	0.125065	1.90605	0.056644	0.609993
ENSMUSG0Dhrs1	360.1585	-0.23624	0.124532	-1.89699	0.057829	0.615235
ENSMUSG0Prep	199.2675	-0.27604	0.145224	-1.9008	0.057329	0.615235
ENSMUSG0Ern1	1270.685	-0.17802	0.093938	-1.89509	0.058081	0.615235
ENSMUSG0Tram1	944.5137	0.191791	0.10105	1.897979	0.057699	0.615235
ENSMUSG0Lrrn1	298.682	-0.28062	0.14807	-1.89521	0.058065	0.615235
ENSMUSG0Cdk19	325.7598	-0.24108	0.127123	-1.89644	0.057902	0.615235
ENSMUSG0Suv39h1	184.6284	0.265682	0.140074	1.896726	0.057864	0.615235
ENSMUSG0Med18	169.7265	0.269125	0.141951	1.8959	0.057973	0.615235
ENSMUSG0Cenpw	221.3025	-0.25976	0.136793	-1.8989	0.057577	0.615235
ENSMUSG0Letm1	171.4835	0.280391	0.148144	1.892696	0.058398	0.616761
ENSMUSG0Gm9864	268.4169	0.285848	0.15105	1.892408	0.058437	0.616761
ENSMUSG0Retreg3	611.4811	0.19168	0.10142	1.889958	0.058764	0.619089
ENSMUSG0Kmt2e	359.7784	0.237261	0.125786	1.886222	0.059265	0.623245
ENSMUSG0Usp34	1150.987	-0.20803	0.110436	-1.88372	0.059603	0.624549
ENSMUSG0Gm26822	1759.202	0.345462	0.183373	1.883929	0.059575	0.624549
ENSMUSG0Cnih1	313.1006	-0.25518	0.135533	-1.88276	0.059733	0.624788
ENSMUSG0Sec23b	469.4668	-0.24165	0.128587	-1.87925	0.06021	0.628644
ENSMUSG0Hist1h2bg	137.8177	-0.31504	0.167739	-1.87817	0.060358	0.629061
ENSMUSG0Emd	476.6458	-0.23855	0.127181	-1.87571	0.060695	0.629265
ENSMUSG0Cntfr	273.824	0.227122	0.121483	1.869582	0.061542	0.629265
ENSMUSG0Cox7a2	366.3367	-0.27959	0.149062	-1.87565	0.060704	0.629265
ENSMUSG0Timm8b	248.3527	-0.29649	0.158382	-1.87201	0.061205	0.629265
ENSMUSG0Fcho2	321.8858	-0.28314	0.151391	-1.87024	0.06145	0.629265
ENSMUSG0Gck	106.4651	0.297756	0.159267	1.869542	0.061547	0.629265
ENSMUSG0Wipi1	1265.224	-0.22118	0.118201	-1.87119	0.061318	0.629265
ENSMUSG0Olfr986	103.3906	0.311333	0.166541	1.869412	0.061566	0.629265
ENSMUSG0Dusp7	413.323	-0.22447	0.119707	-1.87515	0.060772	0.629265
ENSMUSG0Paqr3	122.7749	0.308015	0.164566	1.871683	0.06125	0.629265
ENSMUSG0Rn7sk	3671.411	-0.22961	0.122724	-1.87094	0.061354	0.629265
ENSMUSG0Foxp4	165.2386	0.272115	0.145685	1.867828	0.061786	0.630412

ENSMUSG0Tbc1d22b	139.2739	0.277777	0.148826	1.86645	0.061978	0.631271
ENSMUSG0Rer1	228.1088	-0.24821	0.133076	-1.86519	0.062155	0.631524
ENSMUSG0Rras2	237.0162	-0.24324	0.130441	-1.86472	0.06222	0.631524
ENSMUSG0Ier2	360.3703	0.229011	0.122971	1.862314	0.062559	0.633857
ENSMUSG0Pfn1	1037.557	-0.18687	0.100509	-1.85928	0.062987	0.637087
ENSMUSG0Pcbp3	199.9358	0.257966	0.138861	1.857723	0.063208	0.637229
ENSMUSG0DII1	355.5649	0.231502	0.124673	1.856874	0.063329	0.637229
ENSMUSG0Zswim5	327.5673	-0.22296	0.120034	-1.85745	0.063247	0.637229
ENSMUSG0Fam171b	215.4973	-0.26445	0.14258	-1.85476	0.063631	0.63916
ENSMUSG0Psmb2	346.9984	-0.26419	0.142521	-1.85368	0.063785	0.639456
ENSMUSG0Setd2	362.036	-0.23765	0.128253	-1.85302	0.06388	0.639456
ENSMUSG0Map3k11	112.1796	0.296407	0.161031	1.840681	0.065668	0.639812
ENSMUSG0Nup85	162.5319	-0.26497	0.143807	-1.84253	0.065398	0.639812
ENSMUSG0Txndc15	157.1675	0.269997	0.146538	1.842502	0.065402	0.639812
ENSMUSG0Stard4	203.1974	0.263374	0.142312	1.850677	0.064216	0.639812
ENSMUSG0Sphkap	1165.752	-0.19279	0.104703	-1.84131	0.065576	0.639812
ENSMUSG0Actl6a	104.0368	0.297003	0.16148	1.839256	0.065878	0.639812
ENSMUSG0Extl2	154.4021	-0.28948	0.157411	-1.83901	0.065913	0.639812
ENSMUSG0Ybx1	242.0566	-0.25911	0.140652	-1.84218	0.065448	0.639812
ENSMUSG0Clock	458.6789	-0.23226	0.126364	-1.838	0.066063	0.639812
ENSMUSG0Atxn2l	1418.513	-0.22357	0.120896	-1.84926	0.06442	0.639812
ENSMUSG0Mast4	401.832	-0.21515	0.11671	-1.84345	0.065264	0.639812
ENSMUSG0Zfp322a	133.4916	-0.28689	0.155293	-1.84741	0.064688	0.639812
ENSMUSG0Rell1	304.0582	-0.25115	0.136577	-1.83892	0.065928	0.639812
ENSMUSG0Pskh1	410.5174	-0.22662	0.123123	-1.84062	0.065678	0.639812
ENSMUSG0Zfp407	135.2432	-0.30588	0.166278	-1.83959	0.065828	0.639812
ENSMUSG0Klf13	424.8086	0.207989	0.112734	1.84495	0.065045	0.639812
ENSMUSG0mt-Nd5	3100.19	-0.241	0.130808	-1.84241	0.065415	0.639812
ENSMUSG0Eif1ax	288.1338	0.258986	0.140182	1.847495	0.064675	0.639812
ENSMUSG0Ywhaq	1232.072	-0.18388	0.099918	-1.84027	0.065728	0.639812
ENSMUSG0Tomm20	240.6219	0.253966	0.138201	1.837666	0.066112	0.639812
ENSMUSG0Scmh1	323.0396	-0.22652	0.123619	-1.83243	0.066887	0.640477
ENSMUSG0Ywhah	854.3906	-0.22849	0.125121	-1.82617	0.067825	0.640477
ENSMUSG0Slc25a22	212.1616	0.244495	0.13322	1.835271	0.066466	0.640477
ENSMUSG0Canx	1384.594	0.176238	0.096242	1.8312	0.067071	0.640477
ENSMUSG0Vash1	231.4376	0.242334	0.132747	1.825528	0.067921	0.640477
ENSMUSG0Vapa	280.2062	0.250451	0.136958	1.828674	0.067448	0.640477
ENSMUSG0Ercc3	121.4258	-0.27484	0.149746	-1.83537	0.066451	0.640477
ENSMUSG0Pcyox1l	360.2736	-0.24594	0.134508	-1.82847	0.067479	0.640477
ENSMUSG0Ndufs1	272.0794	0.23709	0.129626	1.829031	0.067395	0.640477
ENSMUSG0Kdm2b	283.6044	0.232405	0.127238	1.826544	0.067768	0.640477
ENSMUSG0Usp9x	1927.51	-0.21896	0.11977	-1.82816	0.067526	0.640477
ENSMUSG0Nktr	892.8044	0.193784	0.105694	1.833442	0.066737	0.640477
ENSMUSG0Papd4	580.8706	-0.24504	0.134275	-1.82489	0.068017	0.640477
ENSMUSG0Rmrp	617.1586	-0.32919	0.17948	-1.83411	0.066638	0.640477
ENSMUSG0Snrpe	110.6995	0.298096	0.162637	1.832889	0.066819	0.640477
ENSMUSG0Gm28268	126.1402	0.289386	0.158547	1.825241	0.067965	0.640477
ENSMUSG04930533N2	252.8002	0.289528	0.158673	1.82468	0.068049	0.640477
ENSMUSG0Tug1	853.6947	0.181603	0.099572	1.823841	0.068176	0.640636
ENSMUSG0Eif1ad	279.0795	0.231221	0.127076	1.819556	0.068827	0.645708
ENSMUSG0Trib2	361.618	-0.21833	0.120303	-1.81484	0.069549	0.646242
ENSMUSG0Nova1	212.9087	-0.25271	0.139157	-1.81598	0.069374	0.646242

ENSMUSG0Jmy	105.025	-0.28126	0.154812	-1.8168	0.069248	0.646242
ENSMUSG0Csnk2a2	170.7075	-0.28496	0.156996	-1.81505	0.069516	0.646242
ENSMUSG0Spc24	130.7635	0.279902	0.154129	1.816027	0.069366	0.646242
ENSMUSG0Plcxd2	423.8102	-0.2246	0.12372	-1.81538	0.069466	0.646242
ENSMUSG0Pitrm1	342.8949	-0.21986	0.121379	-1.81134	0.070088	0.649181
ENSMUSG0Ppp6c	382.3206	-0.2483	0.137057	-1.81168	0.070036	0.649181
ENSMUSG0Dach1	345.6921	-0.24331	0.134447	-1.80971	0.07034	0.65048
ENSMUSG0Bap1	201.9558	0.24979	0.138174	1.807788	0.07064	0.651272
ENSMUSG0Rnf128	282.1708	-0.23491	0.12995	-1.80772	0.070649	0.651272
ENSMUSG0Trp53inp2	4300.315	-0.2011	0.111435	-1.80462	0.071134	0.654699
ENSMUSG0Cnn3	342.0743	-0.27405	0.151985	-1.80314	0.071367	0.655809
ENSMUSG0Fam135a	1121.485	-0.21433	0.119135	-1.79903	0.072014	0.656584
ENSMUSG0Arfgap2	233.9922	0.250541	0.13912	1.800893	0.07172	0.656584
ENSMUSG0Skp2	691.4192	-0.23642	0.131317	-1.80039	0.071799	0.656584
ENSMUSG0Vkorc1l1	211.6801	0.244941	0.136152	1.799026	0.072015	0.656584
ENSMUSG0Usf3	290.6628	-0.23151	0.128596	-1.80028	0.071817	0.656584
ENSMUSG0Aff4	831.966	-0.22513	0.125554	-1.79309	0.072958	0.663237
ENSMUSG0Pcbp2	332.7013	-0.26841	0.1497	-1.79301	0.072972	0.663237
ENSMUSG0Fras1	419.6925	0.268484	0.149854	1.791645	0.07319	0.664181
ENSMUSG0Plec	570.7824	0.220689	0.12327	1.790293	0.073407	0.665114
ENSMUSG0Eml1	162.5572	0.26732	0.14944	1.788814	0.073645	0.666233
ENSMUSG0Prpf19	529.6426	0.183892	0.102863	1.787737	0.073818	0.666729
ENSMUSG0Sumf2	117.454	0.293419	0.16423	1.786628	0.073998	0.666729
ENSMUSG0Fam53c	360.4399	-0.20915	0.117127	-1.78564	0.074157	0.666729
ENSMUSG0Tmsb4x	112.4257	-0.27781	0.15558	-1.78565	0.074157	0.666729
ENSMUSG0Ecpas	598.5709	0.200945	0.112657	1.783685	0.074475	0.668553
ENSMUSG0Hipk2	242.1906	-0.23311	0.131098	-1.77809	0.075388	0.67364
ENSMUSG0Lrrc8b	129.1892	-0.27657	0.155528	-1.77829	0.075356	0.67364
ENSMUSG0Nt5dc2	627.3608	-0.22904	0.128782	-1.77855	0.075314	0.67364
ENSMUSG0Ubb	1047.455	-0.20542	0.115694	-1.77553	0.07581	0.674276
ENSMUSG0Rev3l	803.0091	-0.2421	0.136356	-1.77553	0.075811	0.674276
ENSMUSG0Trpm7	440.2592	-0.20127	0.113402	-1.77485	0.075923	0.674276
ENSMUSG0Tmem186	425.9329	-0.22009	0.123859	-1.77691	0.075583	0.674276
ENSMUSG0Adarb1	162.3981	0.251785	0.142166	1.771063	0.07655	0.677736
ENSMUSG0Tsr1	179.0988	0.248005	0.140084	1.770396	0.076661	0.677736
ENSMUSG0E2f6	350.3939	-0.21165	0.119506	-1.771	0.07656	0.677736
ENSMUSG0Cox8a	493.2899	-0.23377	0.132446	-1.76506	0.077554	0.6842
ENSMUSG0Ppig	170.299	-0.27463	0.155634	-1.76459	0.077632	0.6842
ENSMUSG0Cep120	312.4664	-0.23201	0.131528	-1.76392	0.077745	0.6842
ENSMUSG0Casc3	253.7331	0.238774	0.13556	1.761386	0.078173	0.686933
ENSMUSG0Cgn	447.9617	0.218381	0.124059	1.760293	0.078358	0.687522
ENSMUSG0Zdhhc2	640.7732	-0.21096	0.119988	-1.75815	0.078722	0.689676
ENSMUSG0Msmo1	241.597	0.244472	0.139147	1.756931	0.07893	0.690456
ENSMUSG0Arf4	900.4357	-0.24221	0.138047	-1.75457	0.079333	0.691615
ENSMUSG0Sgo2a	108.5679	-0.28389	0.161723	-1.75538	0.079194	0.691615
ENSMUSG0Ndufb11	181.6368	-0.25065	0.142952	-1.75338	0.079537	0.691615
ENSMUSG0Calm2	302.3765	-0.24811	0.141469	-1.75385	0.079456	0.691615
ENSMUSG0Blm	118.2556	-0.27694	0.1581	-1.75166	0.079832	0.69315
ENSMUSG0Ndufc2	159.023	-0.25895	0.147932	-1.75049	0.080034	0.693869
ENSMUSG0Taf2	289.8004	-0.21943	0.125602	-1.74702	0.080634	0.698026
ENSMUSG0Nr6a1	772.2573	-0.21126	0.120997	-1.74597	0.080816	0.698566
ENSMUSG0Tspyl2	174.0373	0.252507	0.144806	1.743754	0.081202	0.699827

ENSMUSG0Hnrrph2	216.7844	0.249966	0.143303	1.744326	0.081102	0.699827
ENSMUSG0Abi2	290.4381	0.253177	0.145322	1.742185	0.081476	0.701152
ENSMUSG0Fam91a1	550.7344	-0.20944	0.120296	-1.74107	0.081671	0.701796
ENSMUSG0Mief1	438.6347	-0.1974	0.113606	-1.73762	0.082278	0.701998
ENSMUSG0Tgs1	307.9031	-0.22607	0.130123	-1.73733	0.082329	0.701998
ENSMUSG0Tial1	866.7749	-0.19189	0.110303	-1.73963	0.081924	0.701998
ENSMUSG0Cdca4	581.8226	-0.19438	0.111918	-1.73683	0.082418	0.701998
ENSMUSG0Mdm4	342.1057	-0.23631	0.135974	-1.73793	0.082223	0.701998
ENSMUSG0Fam122a	406.9976	-0.24293	0.139858	-1.73701	0.082386	0.701998
ENSMUSG0Tacc3	125.8302	-0.26962	0.15553	-1.73358	0.082993	0.705861
ENSMUSG0Tubb4b	516.6008	-0.19623	0.113257	-1.73258	0.083171	0.706343
ENSMUSG0Arpc4	335.4868	-0.21449	0.123896	-1.73118	0.08342	0.707435
ENSMUSG0Ddhd1	230.6993	-0.22724	0.131363	-1.72985	0.083657	0.708409
ENSMUSG0Megf9	245.2431	0.226841	0.131272	1.728028	0.083983	0.710139
ENSMUSG0Cisd1	250.1087	-0.22478	0.130224	-1.72608	0.084333	0.712064
ENSMUSG0Irs2	941.9268	-0.20308	0.117773	-1.72433	0.084648	0.713693
ENSMUSG0Asb3	156.8418	-0.24739	0.143684	-1.72174	0.085117	0.714599
ENSMUSG0Klf7	298.3746	-0.24694	0.143595	-1.71967	0.085492	0.714599
ENSMUSG0Pik3ca	360.6962	-0.23658	0.137515	-1.72037	0.085365	0.714599
ENSMUSG0Midn	478.8564	0.231286	0.134483	1.719821	0.085465	0.714599
ENSMUSG0Tbc1d10b	523.1143	0.192157	0.111657	1.720961	0.085258	0.714599
ENSMUSG0Myadm	351.8071	-0.23799	0.13815	-1.72271	0.084941	0.714599
ENSMUSG0MlIt10	199.0326	0.265017	0.154268	1.717896	0.085816	0.716278
ENSMUSG0Ncoa2	223.8463	-0.26374	0.153804	-1.71477	0.086388	0.718501
ENSMUSG0Brwd1	776.8548	-0.18392	0.107318	-1.71375	0.086575	0.718501
ENSMUSG0Qsox1	642.9259	0.17359	0.101269	1.714156	0.0865	0.718501
ENSMUSG0Mars2	141.9873	-0.25997	0.151555	-1.71538	0.086276	0.718501
ENSMUSG0Ift20	483.6925	0.198638	0.116348	1.707277	0.087771	0.721929
ENSMUSG0Puf60	299.1893	0.216293	0.127213	1.700239	0.089086	0.721929
ENSMUSG0Fads1	673.0089	-0.23153	0.136296	-1.69877	0.089363	0.721929
ENSMUSG0Gyg	244.8733	-0.27358	0.160679	-1.70265	0.088634	0.721929
ENSMUSG0Nf1	410.7749	0.198494	0.116876	1.698329	0.089446	0.721929
ENSMUSG0Nr4a1	469.2731	-0.19809	0.116379	-1.70215	0.088727	0.721929
ENSMUSG0Xrn2	167.8341	-0.25385	0.148804	-1.70593	0.088021	0.721929
ENSMUSG0Rph3a	161.7223	-0.23934	0.140869	-1.699	0.08932	0.721929
ENSMUSG0Aebp2	194.4843	0.243126	0.143171	1.698149	0.08948	0.721929
ENSMUSG0Kctd13	104.0965	0.271638	0.15912	1.707125	0.087799	0.721929
ENSMUSG0Gabrq	178.8559	-0.24974	0.146667	-1.70277	0.088612	0.721929
ENSMUSG0Ap1s2	339.1356	-0.25658	0.150305	-1.70709	0.087806	0.721929
ENSMUSG0Map4	371.0789	0.274451	0.160743	1.707395	0.087749	0.721929
ENSMUSG0Rps21	132.6662	0.274313	0.161398	1.699599	0.089206	0.721929
ENSMUSG0Dhx9	2357.368	-0.21379	0.125746	-1.70021	0.089091	0.721929
ENSMUSG0Mosmo	288.7715	-0.22837	0.134089	-1.70312	0.088545	0.721929
ENSMUSG0Mafa	1809.283	0.205857	0.120987	1.701475	0.088854	0.721929
ENSMUSG0Casc4	170.3737	-0.27268	0.160631	-1.69756	0.089591	0.721929
ENSMUSG0Adgrv1	138.6886	0.297037	0.174805	1.69925	0.089272	0.721929
ENSMUSG0Zfp414	225.9057	-0.25118	0.147575	-1.70202	0.088751	0.721929
ENSMUSG0Psme3	860.6756	-0.20178	0.118605	-1.70129	0.088888	0.721929
ENSMUSG0Celf3	829.3056	0.186991	0.110347	1.694575	0.090156	0.723483
ENSMUSG0Aldh4a1	117.7802	0.267968	0.158102	1.694901	0.090094	0.723483
ENSMUSG0Sik2	123.2513	0.30993	0.182852	1.694981	0.090079	0.723483
ENSMUSG0Ubr4	3612.635	0.15904	0.093989	1.692114	0.090624	0.72624

ENSMUSG0Rrm2	412.0107	-0.19646	0.11642	-1.68749	0.09151	0.726343
ENSMUSG0Asph	370.6611	0.204803	0.121344	1.687796	0.09145	0.726343
ENSMUSG0Wee1	721.5682	-0.17568	0.104047	-1.68845	0.091325	0.726343
ENSMUSG0Stk35	4230.771	-0.1664	0.09852	-1.68898	0.091223	0.726343
ENSMUSG0Ncoa6	310.989	-0.23724	0.140475	-1.68887	0.091245	0.726343
ENSMUSG0Tshz1	1116.395	-0.20182	0.119559	-1.68808	0.091396	0.726343
ENSMUSG0Gm15564	2341.921	-0.29085	0.17217	-1.68932	0.091159	0.726343
ENSMUSG0Nlk	266.9948	-0.23765	0.140911	-1.68656	0.091689	0.726775
ENSMUSG0Efna5	732.9806	-0.19934	0.118279	-1.68537	0.091917	0.726853
ENSMUSG0Mdc1	369.9164	-0.21639	0.128404	-1.68521	0.091948	0.726853
ENSMUSG0Golga1	140.1146	-0.25867	0.153594	-1.68411	0.09216	0.727538
ENSMUSG0Nmt1	218.5495	-0.26269	0.156116	-1.68267	0.092438	0.727766
ENSMUSG0Osbp15	293.5636	0.233598	0.138784	1.683175	0.092341	0.727766
ENSMUSG0Hist3h2a	157.3406	-0.24794	0.147417	-1.68192	0.092584	0.727924
ENSMUSG0Crat	402.6464	-0.20264	0.120611	-1.68011	0.092937	0.729716
ENSMUSG0Srd5a1	163.5522	-0.23504	0.140004	-1.6788	0.093191	0.729743
ENSMUSG0Stil	274.6024	-0.21762	0.129619	-1.6789	0.093171	0.729743
ENSMUSG0Tcn2	139.468	-0.27134	0.162024	-1.67467	0.093998	0.732024
ENSMUSG0Cdkn2c	1055.95	-0.16164	0.096491	-1.67522	0.093892	0.732024
ENSMUSG0Errfi1	381.0286	-0.21575	0.128737	-1.67589	0.09376	0.732024
ENSMUSG0Krtcap2	224.3006	-0.2274	0.135836	-1.6741	0.09411	0.732024
ENSMUSG0Gnpda1	687.0213	-0.18309	0.109202	-1.67661	0.09362	0.732024
ENSMUSG0Stard3nl	229.5003	0.259162	0.155022	1.671771	0.09457	0.732498
ENSMUSG0Tmed4	457.2137	-0.20754	0.124811	-1.66285	0.096343	0.732498
ENSMUSG0Prkaca	530.2997	-0.19123	0.115706	-1.65275	0.098381	0.732498
ENSMUSG0Atp6v1b2	722.7578	0.165757	0.100054	1.656668	0.097587	0.732498
ENSMUSG0Evi5	179.9152	-0.24599	0.149045	-1.65044	0.098853	0.732498
ENSMUSG0Actr8	130.9897	0.257555	0.155107	1.660501	0.096814	0.732498
ENSMUSG0Map7	118.6661	0.257568	0.155317	1.65834	0.097249	0.732498
ENSMUSG0Gtf2a1	392.2605	-0.20211	0.122551	-1.64919	0.099108	0.732498
ENSMUSG0Pja2	335.5883	-0.2085	0.124677	-1.67233	0.094458	0.732498
ENSMUSG0Tmem8	434.5579	-0.18599	0.112824	-1.64847	0.099256	0.732498
ENSMUSG0Dcp2	485.4245	-0.21041	0.126398	-1.66467	0.095978	0.732498
ENSMUSG0Isoc1	197.5738	-0.22622	0.135529	-1.66915	0.095088	0.732498
ENSMUSG0Arhgdia	3840.3	-0.18808	0.112965	-1.66497	0.095918	0.732498
ENSMUSG0Maged1	1524.015	0.14172	0.085479	1.657963	0.097325	0.732498
ENSMUSG0Actr1a	527.1578	0.184463	0.110541	1.668721	0.095173	0.732498
ENSMUSG0R3hdm2	182.2389	0.23296	0.14105	1.65162	0.098612	0.732498
ENSMUSG0Nusap1	247.2126	-0.24736	0.149786	-1.65142	0.098652	0.732498
ENSMUSG0Lrp8	654.0545	0.192285	0.115118	1.670325	0.094855	0.732498
ENSMUSG0Kbtbd8	103.3325	-0.27122	0.164371	-1.65003	0.098938	0.732498
ENSMUSG0Plk1	270.3747	-0.21252	0.128482	-1.65408	0.098112	0.732498
ENSMUSG0Vps36	110.5722	0.265885	0.15991	1.662718	0.096369	0.732498
ENSMUSG06430548M	893.2764	0.174178	0.105477	1.651333	0.098671	0.732498
ENSMUSG0Sesn3	694.188	0.199655	0.120912	1.651243	0.098689	0.732498
ENSMUSG0Smarcc1	912.8007	-0.20284	0.122561	-1.655	0.097925	0.732498
ENSMUSG0Ctdspl2	251.493	-0.22208	0.133986	-1.6575	0.097418	0.732498
ENSMUSG0Fndc3a	858.04	-0.21408	0.129751	-1.64994	0.098955	0.732498
ENSMUSG0Atp7a	1233.41	-0.1973	0.11938	-1.65272	0.098389	0.732498
ENSMUSG0Daam1	665.3034	0.206518	0.124926	1.653128	0.098305	0.732498
ENSMUSG0Srrt	196.6075	-0.2289	0.138603	-1.65148	0.098641	0.732498
ENSMUSG0Bri3bp	121.2644	0.263557	0.159616	1.651193	0.098699	0.732498

ENSMUSG0Slc24a2	488.142	0.186	0.11192	1.661902	0.096532	0.732498
ENSMUSG0Mboat1	204.7405	0.23224	0.139474	1.665111	0.095891	0.732498
ENSMUSG0Adrm1	323.8125	0.20968	0.126843	1.653063	0.098318	0.732498
ENSMUSG0Usp45	125.3924	0.284289	0.170906	1.66342	0.096228	0.732498
ENSMUSG0Cdc42se1	135.7914	0.259702	0.155334	1.67189	0.094546	0.732498
ENSMUSG0Rpl36a1	154.5466	-0.26951	0.163523	-1.64813	0.099326	0.732498
ENSMUSG0Gprc5c	246.1103	0.223642	0.134462	1.663234	0.096266	0.732498
ENSMUSG0Zfp68	113.7568	-0.26171	0.158755	-1.64851	0.099248	0.732498
ENSMUSG0Hist1h2bk	241.3272	-0.27864	0.168902	-1.64973	0.098998	0.732498
ENSMUSG0Tecpr1	146.4845	0.269586	0.163347	1.650383	0.098865	0.732498
ENSMUSG0Ccdc82	119.5778	0.299973	0.179697	1.669328	0.095052	0.732498
ENSMUSG0Il6st	1693.205	-0.1893	0.114991	-1.64625	0.099711	0.732613
ENSMUSG0Ly6e	123.8144	-0.2527	0.153574	-1.64547	0.099873	0.732613
ENSMUSG0Hyou1	2286.712	0.139913	0.084944	1.647121	0.099533	0.732613
ENSMUSG0Zfc3h1	332.5809	-0.23744	0.14434	-1.645	0.09997	0.732613
ENSMUSG0Gm38356	110.663	0.278198	0.169012	1.646018	0.09976	0.732613
ENSMUSG0Ppip5k1	245.8312	0.206681	0.125795	1.643006	0.100382	0.734703
ENSMUSG0Wdr33	193.7856	0.238584	0.145332	1.641652	0.100662	0.735431
ENSMUSG0Cog4	113.1474	0.270949	0.165081	1.641307	0.100734	0.735431
ENSMUSG0Gxylt1	745.7883	-0.17994	0.109784	-1.63901	0.10121	0.736725
ENSMUSG0Tbc1d13	267.1087	-0.20713	0.126389	-1.63887	0.101241	0.736725
ENSMUSG0Zfp36l2	432.203	-0.20091	0.122611	-1.63863	0.10129	0.736725
ENSMUSG0Cdc27	405.9557	-0.22341	0.136524	-1.63639	0.101758	0.739206
ENSMUSG0Fasn	913.7292	0.181777	0.11124	1.63409	0.10224	0.739938
ENSMUSG0Ninj1	197.0926	0.240491	0.147139	1.634448	0.102165	0.739938
ENSMUSG0Rps12-ps3	144.736	-0.28814	0.1763	-1.63439	0.102177	0.739938
ENSMUSG0H1f0	687.5645	-0.17581	0.107686	-1.63265	0.102543	0.741209
ENSMUSG0Dnaja4	110.0965	-0.25347	0.155336	-1.63176	0.102731	0.741646
ENSMUSG0Lamp2	702.4679	-0.21096	0.129479	-1.62929	0.103252	0.741732
ENSMUSG0Racgap1	489.5553	-0.18385	0.112816	-1.62962	0.103182	0.741732
ENSMUSG0Rps4x	286.5392	-0.22095	0.13551	-1.63053	0.102991	0.741732
ENSMUSG0Cep76	144.4972	-0.2379	0.145975	-1.62975	0.103155	0.741732
ENSMUSG0Gnb1	617.0701	0.188896	0.116097	1.627054	0.103726	0.743304
ENSMUSG0Actg1	8606.257	-0.14881	0.091452	-1.6272	0.103695	0.743304
ENSMUSG0Manf	502.9991	-0.20697	0.127264	-1.6263	0.103887	0.743542
ENSMUSG0Strap	334.7587	-0.19805	0.121995	-1.62346	0.104491	0.746041
ENSMUSG0Hist1h3i	256.9714	-0.24832	0.152957	-1.62346	0.104492	0.746041
ENSMUSG0Herc2	816.8535	0.193885	0.119566	1.621576	0.104894	0.747996
ENSMUSG0Ilkap	142.7696	0.245167	0.151328	1.620102	0.10521	0.748419
ENSMUSG0Depdc5	206.0198	-0.23054	0.142256	-1.62057	0.10511	0.748419
ENSMUSG0Strn	443.146	-0.1958	0.120954	-1.6188	0.10549	0.749492
ENSMUSG0Lamp1	1131.994	-0.20518	0.126842	-1.61758	0.105753	0.749537
ENSMUSG0Dap	335.7747	-0.23418	0.144727	-1.61804	0.105653	0.749537
ENSMUSG0Ccnb1	754.5465	-0.17034	0.105365	-1.61664	0.105956	0.750061
ENSMUSG0Ddx23	139.1035	0.255864	0.158659	1.61267	0.106816	0.751505
ENSMUSG0Ap2m1	553.548	-0.17802	0.11038	-1.61277	0.106795	0.751505
ENSMUSG0Gabarapl2	270.7111	0.228687	0.141724	1.613609	0.106612	0.751505
ENSMUSG0Kif1bp	165.8762	0.236591	0.146596	1.61389	0.106551	0.751505
ENSMUSG0Chd7	884.8611	0.1602	0.099352	1.612451	0.106864	0.751505
ENSMUSG0mt-Co1	3592.568	-0.28337	0.175775	-1.61213	0.106934	0.751505
ENSMUSG0Dgke	143.8446	0.235345	0.146316	1.608469	0.107732	0.753492
ENSMUSG0Mrpl22	125.4631	-0.26759	0.166428	-1.60787	0.107863	0.753492

ENSMUSG0 Wfs1	398.7344	0.194854	0.121017	1.610132	0.107369	0.753492
ENSMUSG0 Ap1s3	158.5033	0.280487	0.17428	1.609402	0.107529	0.753492
ENSMUSG0 Gm26617	131.3643	-0.26039	0.161892	-1.60841	0.107745	0.753492
ENSMUSG0 Nedd4	1023.696	-0.1659	0.103486	-1.60314	0.108904	0.759848
ENSMUSG0 Zfp664	301.1073	0.197553	0.123286	1.602398	0.109068	0.760082
ENSMUSG0 Chchd2	252.2851	0.217788	0.135971	1.601723	0.109217	0.760212
ENSMUSG0 Mvb12a	169.3904	0.234067	0.146302	1.599888	0.109623	0.761564
ENSMUSG0 Pgk1	1354.201	-0.19903	0.124419	-1.59967	0.109673	0.761564
ENSMUSG0 Mtmr4	389.9715	0.189856	0.118798	1.598151	0.110009	0.762994
ENSMUSG0 Mybl1	265.1658	-0.23183	0.145229	-1.59632	0.110418	0.764914
ENSMUSG0 Sez6l	1409.756	-0.16987	0.106451	-1.59573	0.110549	0.764914
ENSMUSG0 Prdx4	449.1598	-0.18244	0.114421	-1.59445	0.110834	0.76598
ENSMUSG0 Csde1	560.9883	-0.21419	0.134403	-1.59364	0.111016	0.766327
ENSMUSG0 Cstb	146.7777	-0.24803	0.155906	-1.59089	0.111634	0.767861
ENSMUSG0 Tsc22d1	801.6603	-0.17771	0.111698	-1.59103	0.111604	0.767861
ENSMUSG0 Ago3	320.842	0.263953	0.165856	1.591464	0.111505	0.767861
ENSMUSG0 Caprin1	636.9025	0.172237	0.108411	1.588747	0.112118	0.768068
ENSMUSG0 Mrpl48	123.0495	0.288725	0.181637	1.589566	0.111933	0.768068
ENSMUSG0 Mcf2l	712.7335	0.172295	0.108403	1.589387	0.111973	0.768068
ENSMUSG0 Zfp280b	680.8515	-0.18981	0.119534	-1.58792	0.112304	0.768068
ENSMUSG0 Dgkd	448.7349	0.176427	0.111111	1.587838	0.112323	0.768068
ENSMUSG0 Plekha8	436.7084	-0.18314	0.115771	-1.58189	0.113676	0.769614
ENSMUSG0 Oxtct1	584.0018	-0.23019	0.145528	-1.58178	0.1137	0.769614
ENSMUSG0 Ist1	922.6597	0.147812	0.093457	1.581613	0.113738	0.769614
ENSMUSG0 Ppp1r9b	378.7636	0.179734	0.113577	1.582492	0.113537	0.769614
ENSMUSG0 Agps	134.8085	0.241491	0.152313	1.585492	0.112855	0.769614
ENSMUSG0 Pcsk9	530.7683	0.177545	0.112228	1.582006	0.113648	0.769614
ENSMUSG0 Megf8	353.9203	0.185556	0.117101	1.584585	0.113061	0.769614
ENSMUSG0 Ythdf3	413.8861	0.178366	0.112685	1.582874	0.11345	0.769614
ENSMUSG0 Map1b	1386.428	-0.16881	0.106492	-1.58515	0.112932	0.769614
ENSMUSG0 Kcnh2	141.7518	0.238381	0.150794	1.580842	0.113914	0.769912
ENSMUSG0 Shoc2	292.5355	-0.22126	0.140288	-1.5772	0.11475	0.773671
ENSMUSG0 Necap1	905.4003	-0.2093	0.132678	-1.57748	0.114686	0.773671
ENSMUSG0 Mdn1	406.4465	-0.2252	0.142829	-1.57668	0.114869	0.773671
ENSMUSG0 Slc9a7	223.9226	0.21265	0.134932	1.575975	0.115032	0.773874
ENSMUSG0 Gstm5	122.2567	-0.24086	0.153269	-1.57149	0.116068	0.774679
ENSMUSG0 Tbc1d15	174.1627	-0.24	0.152604	-1.57267	0.115796	0.774679
ENSMUSG0 Hcn1	103.7214	-0.24763	0.157562	-1.57165	0.116031	0.774679
ENSMUSG0 Lct	204.2634	0.242047	0.153923	1.572517	0.115831	0.774679
ENSMUSG0 Sv2a	746.8969	0.152356	0.0968	1.57392	0.115506	0.774679
ENSMUSG0 Pbx3	1360.888	-0.19391	0.123399	-1.57143	0.116082	0.774679
ENSMUSG0 Nsd3	165.8603	-0.22362	0.142199	-1.5726	0.115811	0.774679
ENSMUSG0 Sec14l1	260.5739	-0.19768	0.125882	-1.57034	0.116335	0.775477
ENSMUSG0 Esd	455.5736	-0.17959	0.114458	-1.56906	0.116633	0.776042
ENSMUSG0 Usp10	524.1211	-0.20104	0.128206	-1.5681	0.116857	0.776042
ENSMUSG0 Kdm6a	740.4633	-0.19539	0.124548	-1.56879	0.116698	0.776042
ENSMUSG0 Tcf4	392.3065	-0.18235	0.11632	-1.56769	0.116952	0.776042
ENSMUSG0 Hadha	238.4177	0.226004	0.144408	1.565041	0.117573	0.778389
ENSMUSG0 Mepce	234.6737	0.208321	0.133096	1.5652	0.117536	0.778389
ENSMUSG0 Rnf130	296.8755	-0.20187	0.129086	-1.56382	0.117861	0.778521
ENSMUSG0 Tmem65	719.0528	-0.17733	0.113371	-1.56418	0.117776	0.778521
ENSMUSG0 Nr2c2	294.26	-0.19495	0.124894	-1.56089	0.118549	0.780416

ENSMUSG0 Dcp1a	232.0829	-0.22338	0.143094	-1.5611	0.1185	0.780416
ENSMUSG0 Rai1	268.3802	0.201845	0.12923	1.561903	0.118311	0.780416
ENSMUSG0 Kansl1	479.2006	-0.18332	0.118015	-1.55333	0.120345	0.789561
ENSMUSG0 Siah2	413.949	-0.17796	0.114556	-1.55351	0.120302	0.789561
ENSMUSG0 Cnih4	274.6687	-0.23658	0.152293	-1.55348	0.120309	0.789561
ENSMUSG0 Cdc42	814.8552	-0.19592	0.126421	-1.54975	0.121201	0.79116
ENSMUSG0 Atp6ap1	1325.423	-0.17132	0.110447	-1.55116	0.120863	0.79116
ENSMUSG0 Washc5	367.4699	-0.20598	0.132859	-1.55035	0.121057	0.79116
ENSMUSG0 Tmbim6	1730.395	-0.13322	0.086008	-1.54893	0.121398	0.79116
ENSMUSG0 Lmtk2	366.7582	-0.17732	0.114478	-1.54891	0.121404	0.79116
ENSMUSG0 Urgcp	130.644	0.25987	0.167652	1.550056	0.121128	0.79116
ENSMUSG0 Pde1c	476.5485	-0.17255	0.111466	-1.54796	0.121632	0.791161
ENSMUSG0 Ddit4	378.9079	-0.2106	0.13652	-1.54261	0.122926	0.791161
ENSMUSG0 Dnajc27	236.4373	0.20255	0.131579	1.539377	0.123712	0.791161
ENSMUSG0 Yy1	193.7572	-0.2119	0.137352	-1.54276	0.122889	0.791161
ENSMUSG0 Nisch	1067.778	0.152575	0.099103	1.539563	0.123667	0.791161
ENSMUSG0 Kif20b	158.7458	-0.23709	0.153517	-1.54439	0.122495	0.791161
ENSMUSG0 Aldh18a1	181.9769	-0.22967	0.148899	-1.54245	0.122963	0.791161
ENSMUSG0 Ptma	1349.315	-0.15013	0.097095	-1.54621	0.122054	0.791161
ENSMUSG0 Plxna2	153.4211	0.255787	0.165717	1.543518	0.122705	0.791161
ENSMUSG0 Sfsmap	224.8438	0.205436	0.133353	1.540544	0.123428	0.791161
ENSMUSG0 Nt5c3	191.6152	-0.22409	0.14548	-1.54037	0.12347	0.791161
ENSMUSG0 Cyfip1	419.265	0.185472	0.120064	1.54478	0.122399	0.791161
ENSMUSG0 Sh3bgrl2	136.1847	-0.24245	0.157077	-1.54348	0.122714	0.791161
ENSMUSG0 Irf2bpl	225.4405	-0.19782	0.128093	-1.54438	0.122497	0.791161
ENSMUSG0 Spryd3	272.5996	0.203908	0.132229	1.542082	0.123054	0.791161
ENSMUSG0 Gprasp1	138.1199	-0.23437	0.152072	-1.54119	0.12327	0.791161
ENSMUSG01810022K0	114.0442	-0.27632	0.178642	-1.5468	0.121911	0.791161
ENSMUSG0 Asb1	259.1725	0.199089	0.129384	1.538743	0.123867	0.791282
ENSMUSG0 Fads6	233.5876	0.203835	0.132536	1.537963	0.124058	0.791631
ENSMUSG0 Fam222b	801.3183	-0.2195	0.142779	-1.53735	0.124207	0.791721
ENSMUSG0 Gpi1	586.9723	-0.17529	0.114114	-1.53613	0.124506	0.792754
ENSMUSG0 Gdi2	903.0683	-0.18647	0.121828	-1.5306	0.125868	0.792764
ENSMUSG0 Dnmbp	155.8396	-0.23693	0.154774	-1.53078	0.125824	0.792764
ENSMUSG0 Cdc73	185.6168	-0.24408	0.159126	-1.5339	0.125055	0.792764
ENSMUSG0 Eif1	859.5867	-0.20425	0.133096	-1.53457	0.124889	0.792764
ENSMUSG0 Pogz	626.3536	-0.18362	0.119883	-1.53165	0.125608	0.792764
ENSMUSG02510039O1	351.0076	0.195788	0.127796	1.53204	0.125513	0.792764
ENSMUSG0 Cd47	615.5371	0.196847	0.128551	1.531277	0.125701	0.792764
ENSMUSG0 Cfl1	756.3152	-0.16616	0.108396	-1.53289	0.125302	0.792764
ENSMUSG0 Nap1l4	199.8044	-0.23687	0.15431	-1.53504	0.124774	0.792764
ENSMUSG0 Gm10288	121.1802	-0.2662	0.173839	-1.53129	0.125697	0.792764
ENSMUSG0 Rab5c	727.2041	-0.16679	0.10905	-1.52951	0.126139	0.793592
ENSMUSG0 Snx11	115.6523	0.23787	0.155575	1.52897	0.126272	0.793592
ENSMUSG0 Dcakd	233.9353	-0.21657	0.141732	-1.52803	0.126506	0.794205
ENSMUSG0 Kpnbl	932.9149	0.188127	0.125416	1.500032	0.133606	0.795288
ENSMUSG0 Brpf1	173.1517	0.218307	0.146793	1.48718	0.136967	0.795288
ENSMUSG0 Rac1	454.5394	-0.16948	0.114221	-1.48379	0.137866	0.795288
ENSMUSG0 Abcf3	118.053	-0.23701	0.160682	-1.47505	0.1402	0.795288
ENSMUSG0 Ddx39	183.4024	-0.20734	0.139072	-1.4909	0.135987	0.795288
ENSMUSG0 Pgrmc1	215.1812	-0.22213	0.147865	-1.50223	0.133036	0.795288
ENSMUSG0 Runx1t1	597.8919	-0.17308	0.115091	-1.50385	0.132621	0.795288

ENSMUSG0 Ubqln4	168.7491	-0.21366	0.141659	-1.50824	0.131494	0.795288
ENSMUSG0 Bcl2l13	150.5824	0.24777	0.162527	1.524484	0.127388	0.795288
ENSMUSG0 Vps4b	210.1939	0.229052	0.152047	1.506457	0.13195	0.795288
ENSMUSG0 Cltrn	313.636	-0.20378	0.134757	-1.51219	0.130485	0.795288
ENSMUSG0 Ppt2	851.6327	0.176582	0.116767	1.512261	0.130468	0.795288
ENSMUSG0 Cacfd1	235.8032	0.198567	0.133685	1.485337	0.137454	0.795288
ENSMUSG0 Aph1a	183.0374	0.206485	0.136211	1.515924	0.129539	0.795288
ENSMUSG0 Syt14	162.4997	-0.22091	0.148169	-1.49095	0.135975	0.795288
ENSMUSG0 Dnajb12	136.6411	-0.23507	0.155915	-1.50765	0.131644	0.795288
ENSMUSG0 Frs2	243.1064	-0.20755	0.140402	-1.47826	0.139338	0.795288
ENSMUSG0 Jade2	150.2506	0.214773	0.145944	1.471609	0.141126	0.795288
ENSMUSG0 Ccdc117	166.4742	0.207501	0.140787	1.473868	0.140517	0.795288
ENSMUSG0 Dnmt3a	2053.771	0.142722	0.096866	1.473385	0.140647	0.795288
ENSMUSG0 Mia2	197.6075	0.218694	0.144226	1.51633	0.129436	0.795288
ENSMUSG0 Sgpp1	580.1341	-0.16039	0.106125	-1.51131	0.13071	0.795288
ENSMUSG0 Akr1c13	205.1029	0.217272	0.143161	1.517672	0.129097	0.795288
ENSMUSG0 Entpd5	187.9318	0.211691	0.139408	1.518501	0.128888	0.795288
ENSMUSG0 Glrx	984.9018	-0.20012	0.135884	-1.47273	0.140824	0.795288
ENSMUSG0 Marveld2	217.6635	-0.19659	0.132697	-1.48147	0.138483	0.795288
ENSMUSG0 Akap11	546.3063	-0.18602	0.122583	-1.5175	0.129141	0.795288
ENSMUSG0 Itm2b	499.1999	-0.18782	0.126264	-1.48752	0.136877	0.795288
ENSMUSG0 Drosha	146.6882	-0.22585	0.152452	-1.48146	0.138484	0.795288
ENSMUSG0 Fbxo32	115.6596	-0.23503	0.157343	-1.49373	0.135247	0.795288
ENSMUSG0 Slc38a2	2179.147	-0.17488	0.11697	-1.49509	0.134891	0.795288
ENSMUSG0 Snrpc	109.635	-0.2379	0.161129	-1.47643	0.139828	0.795288
ENSMUSG0 Cdh2	500.2379	-0.20701	0.137289	-1.50781	0.131604	0.795288
ENSMUSG0 Tapbp	305.0161	0.193394	0.127132	1.521209	0.128207	0.795288
ENSMUSG0 Tle4	114.2341	-0.23503	0.159366	-1.47481	0.140264	0.795288
ENSMUSG0 Cdc42bpg	175.4604	0.22518	0.149989	1.501313	0.133275	0.795288
ENSMUSG0 Mms19	180.5176	0.240205	0.162937	1.474218	0.140423	0.795288
ENSMUSG0 Rps26	284.2283	-0.22732	0.152403	-1.49157	0.135813	0.795288
ENSMUSG0 Phf6	179.6638	-0.23591	0.159345	-1.48049	0.138742	0.795288
ENSMUSG0 Plk4	284.8739	-0.20067	0.136371	-1.47153	0.141148	0.795288
ENSMUSG0 Smad7	340.9126	-0.21763	0.144454	-1.50654	0.131927	0.795288
ENSMUSG0 Carf	188.1593	-0.2291	0.150322	-1.52408	0.127489	0.795288
ENSMUSG0 Cenpf	202.9245	0.239716	0.158524	1.512173	0.13049	0.795288
ENSMUSG0 Bmi1	144.7715	-0.23905	0.158608	-1.50719	0.131763	0.795288
ENSMUSG0 Eif6	171.9216	0.23052	0.155397	1.483427	0.137961	0.795288
ENSMUSG0 Tln1	442.8345	0.21671	0.145822	1.486131	0.137245	0.795288
ENSMUSG0 Dvl1	108.2803	0.235161	0.155416	1.513108	0.130252	0.795288
ENSMUSG0 Tbc1d1	376.6477	0.188479	0.126269	1.492676	0.135522	0.795288
ENSMUSG0 Dck	315.4972	-0.20943	0.141825	-1.47665	0.13977	0.795288
ENSMUSG0 P2rx4	260.2423	0.187044	0.124006	1.508352	0.131464	0.795288
ENSMUSG0 Rad51ap1	259.1587	-0.20004	0.132103	-1.51425	0.129962	0.795288
ENSMUSG0 Rpl28	460.0747	-0.21692	0.146239	-1.4833	0.137996	0.795288
ENSMUSG0 Fchsd2	125.587	0.245519	0.163351	1.503016	0.132835	0.795288
ENSMUSG0 Casp3	274.4737	-0.18975	0.128767	-1.47358	0.140596	0.795288
ENSMUSG0 Bcar1	336.2465	0.175403	0.117172	1.496972	0.134401	0.795288
ENSMUSG0 Snx19	161.3636	0.219139	0.144152	1.520192	0.128463	0.795288
ENSMUSG0 Polr2m	384.3553	-0.19213	0.127828	-1.50302	0.132835	0.795288
ENSMUSG0 Tmem30a	460.9978	-0.1749	0.118088	-1.48108	0.138584	0.795288
ENSMUSG0 Elovl5	769.6442	-0.21756	0.146401	-1.48605	0.137267	0.795288

ENSMUSG0 Rasgrf1	359.8919	-0.18308	0.120152	-1.52373	0.127577	0.795288
ENSMUSG0 Crtap	131.1246	0.229105	0.155116	1.476989	0.139679	0.795288
ENSMUSG0 Rbm5	252.992	-0.19722	0.129222	-1.52622	0.126956	0.795288
ENSMUSG0 Pdxk	211.8419	0.200208	0.131779	1.519273	0.128694	0.795288
ENSMUSG0 Eif3l	437.0134	-0.21165	0.141595	-1.49478	0.134972	0.795288
ENSMUSG0 Gucd1	302.2213	0.190076	0.126121	1.507091	0.131787	0.795288
ENSMUSG0 Fam208b	257.9765	-0.20868	0.137805	-1.51428	0.129955	0.795288
ENSMUSG0 Ano8	200.8886	0.210887	0.138497	1.52269	0.127836	0.795288
ENSMUSG0 Myl12b	156.3852	-0.26275	0.176726	-1.48675	0.13708	0.795288
ENSMUSG0 Arhgap5	167.9701	-0.23056	0.155931	-1.47857	0.139254	0.795288
ENSMUSG0 Ndufa3	1154.332	-0.15909	0.107185	-1.48426	0.13774	0.795288
ENSMUSG0 Wdr62	174.5815	0.212986	0.142847	1.491014	0.135958	0.795288
ENSMUSG0 Ccdc92	110.1039	0.236534	0.158539	1.491962	0.135709	0.795288
ENSMUSG0 Tmem181a	320.0254	-0.1868	0.12617	-1.48054	0.138729	0.795288
ENSMUSG0 Cul7	155.8408	0.235937	0.158665	1.487012	0.137012	0.795288
ENSMUSG0 Nup205	380.6229	-0.17776	0.117124	-1.51774	0.12908	0.795288
ENSMUSG0 Pi4kb	128.0228	-0.24205	0.160491	-1.50815	0.131515	0.795288
ENSMUSG0 Ubn1	573.5891	0.158141	0.106646	1.482856	0.138113	0.795288
ENSMUSG0 Slc44a3	290.6521	-0.20067	0.135223	-1.48403	0.137801	0.795288
ENSMUSG0 Dhx33	243.6581	-0.21136	0.14156	-1.4931	0.13541	0.795288
ENSMUSG0 Cox6a1	870.9323	0.180491	0.120841	1.493625	0.135274	0.795288
ENSMUSG0 Rpl37	123.4146	-0.26522	0.176335	-1.50405	0.132569	0.795288
ENSMUSG0 Mat2b	345.1894	-0.17338	0.115601	-1.49978	0.133671	0.795288
ENSMUSG0 Kdm5b	184.6809	-0.20306	0.136693	-1.48552	0.137406	0.795288
ENSMUSG0 Grk3	227.0479	-0.21507	0.141339	-1.52166	0.128093	0.795288
ENSMUSG0 Trim56	111.6607	-0.2506	0.16807	-1.49102	0.135956	0.795288
ENSMUSG0 Setx	417.3444	-0.18821	0.125967	-1.4941	0.13515	0.795288
ENSMUSG0 Cxxc4	239.7328	-0.20797	0.141278	-1.47204	0.141011	0.795288
ENSMUSG0 Mis18bp1	133.0057	-0.23936	0.160293	-1.49327	0.135367	0.795288
ENSMUSG0 Crebrf	202.6846	-0.23193	0.154278	-1.5033	0.132761	0.795288
ENSMUSG0 Mlec	1332.163	0.14515	0.096882	1.498217	0.134077	0.795288
ENSMUSG0 Chchd10	225.0932	-0.21785	0.14772	-1.47474	0.140282	0.795288
ENSMUSG0 Eml5	587.6633	0.160372	0.105487	1.520293	0.128437	0.795288
ENSMUSG0 Zbtb22	156.3424	0.218702	0.146515	1.492695	0.135517	0.795288
ENSMUSG0 Dennd4a	175.7611	0.235888	0.159614	1.47786	0.139445	0.795288
ENSMUSG0 Soga1	404.4373	0.184646	0.121637	1.518003	0.129014	0.795288
ENSMUSG0 Cpsf6	234.668	0.204764	0.138399	1.479519	0.139002	0.795288
ENSMUSG0 Them6	108.9357	0.244474	0.162201	1.507223	0.131754	0.795288
ENSMUSG0 Serpinb6a	268.3892	-0.19827	0.134008	-1.47953	0.138998	0.795288
ENSMUSG0 Rnf14	398.9997	-0.17695	0.119182	-1.48469	0.137627	0.795288
ENSMUSG0 mt-Rnr1	209607.1	-0.26819	0.175861	-1.52501	0.127256	0.795288
ENSMUSG0 mt-Nd2	817.1045	-0.21107	0.140203	-1.50546	0.132206	0.795288
ENSMUSG0 Gprin1	126.0934	0.231184	0.15327	1.508345	0.131466	0.795288
ENSMUSG0 1500011B0	214.8824	-0.19982	0.134364	-1.48714	0.136977	0.795288
ENSMUSG0 Rpl39	483.4935	0.188182	0.125758	1.496387	0.134553	0.795288
ENSMUSG0 Kcnq1ot1	557.7476	0.25825	0.171094	1.509403	0.131196	0.795288
ENSMUSG0 Cdc42bpg	174.9892	0.226168	0.150281	1.504967	0.132333	0.795288
ENSMUSG0 Tmco1	181.9299	-0.24708	0.168064	-1.47013	0.141526	0.796647
ENSMUSG0 Usp8	212.5313	-0.20599	0.140194	-1.4693	0.14175	0.797141
ENSMUSG0 Gcg	461.5879	-0.18921	0.128916	-1.46773	0.142178	0.79826
ENSMUSG0 Tnfrsf21	114.9534	-0.22546	0.153638	-1.4675	0.142241	0.79826
ENSMUSG0 Paip1	161.7152	-0.21899	0.149273	-1.46706	0.14236	0.79826

ENSMUSG0 Reep3	207.1081	-0.19965	0.136713	-1.46039	0.144182	0.799077
ENSMUSG0 Uhrf1bp1l	191.2222	-0.20623	0.141305	-1.45943	0.144447	0.799077
ENSMUSG0 Cers5	188.8865	-0.20495	0.140034	-1.46356	0.143314	0.799077
ENSMUSG0 Olfm1	202.3375	-0.20661	0.141495	-1.46019	0.144238	0.799077
ENSMUSG0 Casz1	293.0341	-0.18053	0.123706	-1.45936	0.144465	0.799077
ENSMUSG0 Scarb1	159.9178	0.208712	0.142925	1.460295	0.144209	0.799077
ENSMUSG0 Bahd1	158.2815	-0.22416	0.15341	-1.4612	0.14396	0.799077
ENSMUSG0 Lats1	447.0837	-0.18877	0.129082	-1.46238	0.143637	0.799077
ENSMUSG0 Map3k10	138.3769	0.229553	0.157135	1.460863	0.144053	0.799077
ENSMUSG0 Cyb561d1	285.6026	0.18167	0.124455	1.459722	0.144366	0.799077
ENSMUSG0 Tubb3	302.5484	0.185671	0.127078	1.461082	0.143993	0.799077
ENSMUSG0 Gm11808	110.7763	-0.25787	0.175963	-1.4655	0.142785	0.799077
ENSMUSG0 Ganab	1305.51	-0.1445	0.098962	-1.46011	0.14426	0.799077
ENSMUSG0 Hist2h2bb	103.3657	-0.2421	0.165626	-1.46171	0.143822	0.799077
ENSMUSG0 Nup62	644.3605	-0.17313	0.118661	-1.45901	0.144564	0.799077
ENSMUSG0 Cdc45	128.5409	-0.22299	0.153899	-1.44896	0.147348	0.799926
ENSMUSG0 Usp32	233.8305	0.190501	0.131568	1.447929	0.147637	0.799926
ENSMUSG0 Kif5b	266.3077	-0.18457	0.127463	-1.44803	0.147608	0.799926
ENSMUSG0 Rbsn	123.3936	0.234366	0.161951	1.447137	0.147859	0.799926
ENSMUSG0 Casd1	244.1106	-0.18813	0.12928	-1.45521	0.145612	0.799926
ENSMUSG0 Zfr	215.5251	-0.20398	0.140957	-1.44708	0.147875	0.799926
ENSMUSG0 Ptdss2	109.9642	0.24746	0.170474	1.451594	0.146615	0.799926
ENSMUSG0 Tti1	166.8811	-0.21732	0.149822	-1.45054	0.146909	0.799926
ENSMUSG0 Acad9	152.6023	0.25594	0.17643	1.450657	0.146875	0.799926
ENSMUSG0 Ptprd	483.9897	-0.17124	0.118161	-1.44923	0.147274	0.799926
ENSMUSG0 Map7d1	300.236	0.176699	0.121233	1.45751	0.144976	0.799926
ENSMUSG0 Sytl4	828.5546	-0.14688	0.101138	-1.45229	0.146421	0.799926
ENSMUSG0 Elmod2	236.8117	0.182699	0.125368	1.4573	0.145034	0.799926
ENSMUSG0 Uvrag	119.4128	0.252061	0.173689	1.451221	0.146718	0.799926
ENSMUSG0 Hacd2	155.1305	-0.23991	0.165788	-1.44711	0.147867	0.799926
ENSMUSG0 Brsk1	320.7571	0.175781	0.121447	1.447387	0.147789	0.799926
ENSMUSG0 Tmem33	376.4995	-0.19782	0.135976	-1.45479	0.145726	0.799926
ENSMUSG0 Fam102a	296.3277	0.180916	0.12496	1.447795	0.147675	0.799926
ENSMUSG0 Tmc7	383.3065	-0.17815	0.122365	-1.45589	0.145422	0.799926
ENSMUSG0 Rpl11	493.0378	0.154618	0.106575	1.450793	0.146838	0.799926
ENSMUSG0 Hnrnpc	414.4638	-0.17809	0.122853	-1.4496	0.14717	0.799926
ENSMUSG0 Ptprz1	331.8111	-0.22615	0.15552	-1.45418	0.145897	0.799926
ENSMUSG0 Shprh	141.9568	0.218335	0.150736	1.448454	0.14749	0.799926
ENSMUSG0 Fbxl17	116.8182	0.229199	0.158511	1.445948	0.148192	0.800895
ENSMUSG0 Kpna6	390.276	0.165289	0.114441	1.444318	0.148649	0.80096
ENSMUSG0 Mfn1	175.0743	-0.20926	0.145013	-1.44302	0.149014	0.80096
ENSMUSG0 Kpna4	196.4958	-0.2059	0.142695	-1.44291	0.149047	0.80096
ENSMUSG0 Zfp185	213.5866	-0.20483	0.141735	-1.44514	0.148418	0.80096
ENSMUSG0 Sart1	135.8728	0.228669	0.158578	1.441995	0.149304	0.80096
ENSMUSG0 Rfx3	184.1356	0.213124	0.147654	1.443403	0.148907	0.80096
ENSMUSG0 Ubqln2	370.981	-0.20485	0.141833	-1.44431	0.148652	0.80096
ENSMUSG0 Gm45899	141.2436	0.254111	0.176212	1.442073	0.149282	0.80096
ENSMUSG0 Rfc1	169.0928	-0.21413	0.148679	-1.44024	0.149801	0.801413
ENSMUSG0 Lman1	1139.135	-0.17467	0.121275	-1.44025	0.149795	0.801413
ENSMUSG0 Rnf213	347.819	-0.21867	0.1518	-1.4405	0.149726	0.801413
ENSMUSG0 Btbd17	115.4432	0.22213	0.154395	1.438706	0.150234	0.802423
ENSMUSG0 Mcm2	531.4973	-0.15506	0.108002	-1.43574	0.151077	0.802423

ENSMUSG0Smarcc2	499.5852	-0.18071	0.125899	-1.43539	0.151177	0.802423
ENSMUSG0Plk3	862.7024	-0.16421	0.114298	-1.43673	0.150796	0.802423
ENSMUSG0Tpp1	478.9251	0.163964	0.11424	1.435253	0.151215	0.802423
ENSMUSG0Mapk6	576.4732	-0.17652	0.12274	-1.43815	0.150391	0.802423
ENSMUSG0Yod1	662.8068	-0.18421	0.128351	-1.4352	0.151229	0.802423
ENSMUSG0Abce1	453.0821	-0.17946	0.125041	-1.43525	0.151217	0.802423
ENSMUSG0Rhog	181.8295	-0.23367	0.162508	-1.4379	0.150461	0.802423
ENSMUSG0Klf6	139.8448	-0.21667	0.153791	-1.40885	0.15888	0.802635
ENSMUSG0Cox5a	1318.901	-0.15305	0.10853	-1.4102	0.158481	0.802635
ENSMUSG0Dazap2	285.8512	-0.20508	0.143953	-1.4246	0.154274	0.802635
ENSMUSG0Wdr77	120.0486	0.217839	0.157426	1.383752	0.166434	0.802635
ENSMUSG0Myo18a	204.7028	0.218519	0.158156	1.381673	0.167072	0.802635
ENSMUSG0Mfsd10	669.3715	-0.16918	0.122008	-1.3866	0.165565	0.802635
ENSMUSG0Snd1	946.5102	0.165063	0.118036	1.398415	0.161989	0.802635
ENSMUSG0Foxm1	241.0489	-0.18324	0.134044	-1.36704	0.171613	0.802635
ENSMUSG0Capns1	658.2114	-0.17621	0.127881	-1.37794	0.168223	0.802635
ENSMUSG0Mast2	285.6929	0.172918	0.123039	1.405393	0.159904	0.802635
ENSMUSG0Brinp2	202.251	0.187694	0.131392	1.428506	0.153146	0.802635
ENSMUSG0Arid3b	579.5941	-0.16489	0.120143	-1.37246	0.169922	0.802635
ENSMUSG0Polr2a	660.0365	-0.15883	0.112707	-1.4092	0.158775	0.802635
ENSMUSG0Rfx5	105.0569	-0.23529	0.169927	-1.38466	0.166156	0.802635
ENSMUSG0Pole	192.7733	0.197501	0.142409	1.386861	0.165484	0.802635
ENSMUSG0Hnrrnph1	339.8014	0.169159	0.12398	1.364408	0.172439	0.802635
ENSMUSG0Hipk1	366.3678	-0.18859	0.13558	-1.39095	0.16424	0.802635
ENSMUSG0Slc16a12	3223.363	-0.17423	0.127217	-1.36953	0.170833	0.802635
ENSMUSG0Tmem167	506.0926	-0.20103	0.140267	-1.43317	0.15181	0.802635
ENSMUSG0Xk	113.8167	-0.23121	0.166255	-1.39071	0.164312	0.802635
ENSMUSG0Anp32e	571.6741	0.182684	0.12839	1.422882	0.15477	0.802635
ENSMUSG0Nup50	667.3402	-0.14961	0.107987	-1.3854	0.165931	0.802635
ENSMUSG0Serinc3	1766.432	-0.18124	0.127583	-1.42059	0.155435	0.802635
ENSMUSG0D10Wsu10	2792.021	0.253583	0.180853	1.402149	0.160871	0.802635
ENSMUSG0Rnf187	415.7352	0.195545	0.140338	1.393386	0.163503	0.802635
ENSMUSG0Slc9a3r1	360.5995	-0.16219	0.11625	-1.39516	0.162969	0.802635
ENSMUSG0Luc7l3	110.7361	0.227308	0.16413	1.384928	0.166074	0.802635
ENSMUSG0Tmx1	256.9465	0.210805	0.152148	1.385526	0.165892	0.802635
ENSMUSG0Isca2	121.0568	-0.23237	0.163893	-1.41783	0.15624	0.802635
ENSMUSG0Ccnk	123.078	-0.22653	0.159626	-1.41911	0.155867	0.802635
ENSMUSG0Sema4d	332.2596	0.205029	0.145115	1.41287	0.157694	0.802635
ENSMUSG0Hmgcr	1639.324	0.173075	0.126484	1.368354	0.171201	0.802635
ENSMUSG0Zscan26	120.0602	0.227953	0.158954	1.434077	0.15155	0.802635
ENSMUSG0Josd1	240.9774	0.18476	0.131561	1.404362	0.160211	0.802635
ENSMUSG0Umps	308.392	-0.19776	0.140753	-1.40499	0.160026	0.802635
ENSMUSG0Twsg1	491.8105	-0.16776	0.122795	-1.36621	0.171872	0.802635
ENSMUSG0Wac	233.9826	-0.19276	0.136514	-1.41198	0.157955	0.802635
ENSMUSG0Mib1	749.8103	0.13152	0.096374	1.364678	0.172354	0.802635
ENSMUSG0Spry4	473.366	-0.16754	0.119519	-1.40178	0.16098	0.802635
ENSMUSG0Hbegf	120.5303	-0.21423	0.155359	-1.37891	0.167922	0.802635
ENSMUSG0Dpf2	270.4258	0.190033	0.135239	1.405162	0.159973	0.802635
ENSMUSG0Pias2	123.6927	-0.23326	0.166632	-1.39988	0.16155	0.802635
ENSMUSG0Clns1a	196.8564	-0.19243	0.13706	-1.40402	0.160313	0.802635
ENSMUSG0Bet1l	192.3125	-0.20215	0.141133	-1.43231	0.152056	0.802635
ENSMUSG0Sdc3	133.9976	-0.22082	0.155555	-1.41953	0.155743	0.802635

ENSMUSG0Rb1cc1	472.0481	-0.15604	0.112949	-1.38149	0.167128	0.802635
ENSMUSG0Nabp1	368.2772	-0.19305	0.139451	-1.38434	0.166254	0.802635
ENSMUSG0Esrrg	326.3774	-0.17458	0.123564	-1.41286	0.157697	0.802635
ENSMUSG0Uap1	201.0745	0.192054	0.135347	1.418974	0.155907	0.802635
ENSMUSG0Zbtb43	179.3998	-0.21717	0.153188	-1.4177	0.156278	0.802635
ENSMUSG0Acvr1c	505.5332	0.173359	0.126052	1.375293	0.169041	0.802635
ENSMUSG0Fastkd1	287.3745	-0.18489	0.134839	-1.37118	0.170319	0.802635
ENSMUSG0Katnbl1	106.7038	-0.22194	0.160969	-1.37876	0.167967	0.802635
ENSMUSG0Commd9	182.5222	-0.19114	0.139018	-1.37496	0.169143	0.802635
ENSMUSG0Galk2	111.9882	0.218193	0.156731	1.392156	0.163875	0.802635
ENSMUSG0Tpx2	307.2251	-0.16811	0.121907	-1.37897	0.167904	0.802635
ENSMUSG0Ahcy	151.0061	0.218856	0.155193	1.410216	0.158476	0.802635
ENSMUSG0Serpini1	166.3756	-0.20358	0.149179	-1.36464	0.172367	0.802635
ENSMUSG0Gdap2	228.8605	-0.20569	0.145409	-1.41458	0.15719	0.802635
ENSMUSG0Lamtor2	326.5055	-0.17208	0.123671	-1.39146	0.164087	0.802635
ENSMUSG0Gtf2b	175.1142	-0.22233	0.157907	-1.408	0.159131	0.802635
ENSMUSG0Zdhhc21	196.9707	0.2266	0.163536	1.385627	0.165861	0.802635
ENSMUSG0Capzb	447.8287	0.163556	0.117623	1.390504	0.164376	0.802635
ENSMUSG0Lrpap1	140.3814	0.205958	0.150392	1.369476	0.17085	0.802635
ENSMUSG0Cdc7	201.5309	-0.1924	0.137269	-1.40164	0.161023	0.802635
ENSMUSG0Ncor2	556.0343	0.160917	0.115737	1.39037	0.164417	0.802635
ENSMUSG0Actb	6491.818	-0.11533	0.083921	-1.3743	0.169347	0.802635
ENSMUSG0Slc37a3	238.6457	0.199719	0.139985	1.426711	0.153663	0.802635
ENSMUSG0Golt1b	528.7384	-0.15228	0.108123	-1.40839	0.159017	0.802635
ENSMUSG0Tmtc1	215.3206	-0.18486	0.132043	-1.40002	0.161507	0.802635
ENSMUSG0Bckdk	184.6554	-0.20807	0.147769	-1.40805	0.159116	0.802635
ENSMUSG0Nucb1	1137.515	-0.14417	0.100967	-1.42792	0.153315	0.802635
ENSMUSG0Knop1	314.35	-0.19325	0.136997	-1.4106	0.158364	0.802635
ENSMUSG0Elf4	126.6077	-0.20587	0.14959	-1.37622	0.168755	0.802635
ENSMUSG0Rps6ka3	242.395	0.20025	0.145393	1.377297	0.16842	0.802635
ENSMUSG0Brd7	168.288	-0.22078	0.16194	-1.36333	0.172778	0.802635
ENSMUSG0Got2	598.0019	-0.15207	0.110991	-1.37012	0.170648	0.802635
ENSMUSG0Gpt2	160.8012	0.217261	0.155793	1.394553	0.163151	0.802635
ENSMUSG0Bace1	398.272	-0.1639	0.116214	-1.41029	0.158453	0.802635
ENSMUSG0Glce	464.4168	0.181708	0.129479	1.403378	0.160504	0.802635
ENSMUSG0Csnk1g1	281.031	0.169306	0.122324	1.384087	0.166332	0.802635
ENSMUSG0Ucp2	648.3064	-0.17356	0.121448	-1.42912	0.15297	0.802635
ENSMUSG0Pvk	633.8283	-0.20925	0.151417	-1.38195	0.166987	0.802635
ENSMUSG0Zdhhc15	171.3161	-0.22069	0.154361	-1.42973	0.152793	0.802635
ENSMUSG0Tmub2	124.6836	0.216491	0.152503	1.419589	0.155728	0.802635
ENSMUSG0Tsen34	136.5487	0.215875	0.156727	1.377391	0.168391	0.802635
ENSMUSG0Uba6	258.9779	-0.18796	0.137483	-1.36716	0.171574	0.802635
ENSMUSG0Clcn7	227.5929	0.197785	0.139036	1.422542	0.154869	0.802635
ENSMUSG0Foxa2	551.2103	-0.16493	0.119155	-1.38418	0.166304	0.802635
ENSMUSG0Fer1l6	205.0603	-0.22697	0.162862	-1.39365	0.163425	0.802635
ENSMUSG04932438A1	852.0213	0.165666	0.121585	1.362558	0.173022	0.802635
ENSMUSG0Tob1	543.2363	-0.16726	0.122235	-1.36839	0.17119	0.802635
ENSMUSG0Tnfrsf23	187.2149	-0.21785	0.155946	-1.39697	0.162423	0.802635
ENSMUSG0Dusp8	502.1506	-0.17841	0.126177	-1.41397	0.157372	0.802635
ENSMUSG0Ptpdc1	190.3794	-0.19485	0.137391	-1.41818	0.156138	0.802635
ENSMUSG0Rbm8a	132.868	0.219296	0.159625	1.373817	0.169499	0.802635
ENSMUSG0Abhd17c	120.7198	-0.20821	0.152724	-1.36333	0.172778	0.802635

ENSMUSG0Atp5j2	190.3227	-0.21045	0.148662	-1.41563	0.156883	0.802635
ENSMUSG0Cpq	124.9643	0.229016	0.161836	1.415109	0.157036	0.802635
ENSMUSG0Pcsk1n	609.2386	0.211737	0.15057	1.406234	0.159655	0.802635
ENSMUSG0Zmynd8	487.1314	-0.14909	0.109319	-1.36377	0.172639	0.802635
ENSMUSG0Stk32a	365.4462	-0.19063	0.138442	-1.37698	0.168518	0.802635
ENSMUSG0Slc7a5	777.3622	-0.14213	0.102979	-1.38015	0.16754	0.802635
ENSMUSG0Cacna2d1	338.9014	0.169809	0.122651	1.384496	0.166207	0.802635
ENSMUSG0Rprd1a	134.0601	-0.21753	0.156229	-1.39235	0.163815	0.802635
ENSMUSG0Limd2	122.6689	-0.21527	0.153941	-1.39842	0.161988	0.802635
ENSMUSG0Psme4	616.3766	-0.15453	0.108102	-1.42952	0.152856	0.802635
ENSMUSG0Ino80d	373.2169	-0.15912	0.116393	-1.36711	0.17159	0.802635
ENSMUSG0Ostc	373.6187	-0.19546	0.137164	-1.42498	0.154163	0.802635
ENSMUSG0Ssr2	1205.031	-0.14549	0.105252	-1.38232	0.166872	0.802635
ENSMUSG0Gcn1l1	470.4454	0.251125	0.182663	1.374798	0.169194	0.802635
ENSMUSG0Coro2b	499.8403	0.172706	0.1251	1.380544	0.167419	0.802635
ENSMUSG0Tmem183a	310.0754	0.186352	0.133739	1.393398	0.163499	0.802635
ENSMUSG0Reln	146.4501	-0.22755	0.164307	-1.38489	0.166085	0.802635
ENSMUSG0C1galt1	286.8219	-0.18609	0.130339	-1.42772	0.153373	0.802635
ENSMUSG0Clspn	178.4091	0.204713	0.144616	1.41556	0.156904	0.802635
ENSMUSG0Gtpbp1	362.1203	-0.17132	0.125118	-1.36927	0.170914	0.802635
ENSMUSG0Shc1	916.0094	0.136158	0.096177	1.415702	0.156863	0.802635
ENSMUSG0Fbrsl1	513.2356	0.166244	0.119155	1.395186	0.16296	0.802635
ENSMUSG0Orai3	167.3202	-0.20181	0.145088	-1.39097	0.164233	0.802635
ENSMUSG0Eml6	230.1434	0.187883	0.134854	1.393236	0.163549	0.802635
ENSMUSG0Hepacam2	796.4534	-0.18912	0.137846	-1.37198	0.17007	0.802635
ENSMUSG0Patl1	848.7597	-0.16207	0.116657	-1.38932	0.164736	0.802635
ENSMUSG0Cmtr2	137.9077	-0.22134	0.154552	-1.43214	0.152103	0.802635
ENSMUSG0Ticrr	115.2206	-0.22609	0.164535	-1.3741	0.169412	0.802635
ENSMUSG0Zfp654	271.7939	-0.19214	0.135817	-1.4147	0.157157	0.802635
ENSMUSG0Armcx4	370.6791	0.172361	0.121733	1.415895	0.156806	0.802635
ENSMUSG0Rasd1	614.9114	-0.17801	0.129014	-1.3798	0.167648	0.802635
ENSMUSG0Tmx2	235.5277	0.194092	0.140076	1.385618	0.165864	0.802635
ENSMUSG0Usp29	339.0007	-0.16664	0.122303	-1.36251	0.173036	0.802635
ENSMUSG0Rab4b	407.294	0.165693	0.118943	1.393042	0.163607	0.802635
ENSMUSG0Ghr	662.9771	-0.15694	0.113738	-1.37985	0.167632	0.802635
ENSMUSG0Gapdh	2347.079	-0.17516	0.123639	-1.41666	0.156581	0.802635
ENSMUSG0Usf2	131.8166	-0.23163	0.164656	-1.40674	0.159503	0.802635
ENSMUSG0Gpc6	107.4409	0.214967	0.154124	1.394763	0.163087	0.802635
ENSMUSG0Zc3h4	527.9437	0.154033	0.111822	1.377476	0.168365	0.802635
ENSMUSG0Hadhb	374.905	-0.16911	0.119049	-1.42053	0.155454	0.802635
ENSMUSG0Uqcr10	132.4088	-0.22197	0.15567	-1.42589	0.153899	0.802635
ENSMUSG0Fdps	260.133	0.172394	0.1265	1.362793	0.172948	0.802635
ENSMUSG0Unc5c	133.8065	0.216036	0.151671	1.424372	0.154339	0.802635
ENSMUSG0Zfp941	110.7198	-0.23696	0.167333	-1.41609	0.15675	0.802635
ENSMUSG0Tor3a	213.3321	0.194243	0.139064	1.396791	0.162477	0.802635
ENSMUSG0Plekhh1	401.5212	-0.17582	0.124116	-1.41654	0.156617	0.802635
ENSMUSG0Morf4l1	1379.009	-0.12506	0.090476	-1.38222	0.166905	0.802635
ENSMUSG0Ano6	167.8199	-0.20397	0.146121	-1.39592	0.162739	0.802635
ENSMUSG0mt-Nd4	2545.528	-0.24429	0.178421	-1.36915	0.170952	0.802635
ENSMUSG0Phactr4	355.4599	-0.16714	0.119457	-1.3992	0.161754	0.802635
ENSMUSG0Psg16	120.6514	0.247418	0.173285	1.427805	0.153348	0.802635
ENSMUSG0Gm5537	182.365	0.239276	0.174308	1.37272	0.16984	0.802635

ENSMUSG0 Fryl	324.9886	0.20473	0.147696	1.386156	0.165699	0.802635
ENSMUSG0 Zfp827	201.0866	-0.19075	0.138291	-1.37935	0.167786	0.802635
ENSMUSG0 Sms	116.5651	-0.21747	0.157054	-1.38466	0.166158	0.802635
ENSMUSG0 Zfp568	2161.67	-0.12929	0.090359	-1.43084	0.152475	0.802635
ENSMUSG0 Kdelr2	8890.156	-0.14154	0.100506	-1.40832	0.159038	0.802635
ENSMUSG0 Purb	567.6024	-0.16106	0.113826	-1.41497	0.157078	0.802635
ENSMUSG0 Smim18	146.4208	-0.23271	0.167837	-1.38651	0.16559	0.802635
ENSMUSG0 Mat2a	1150.527	-0.12821	0.093869	-1.3658	0.172003	0.802635
ENSMUSG0 Fam98a	236.5573	-0.19118	0.140525	-1.36048	0.173677	0.804785
ENSMUSG0 Spc25	473.5419	-0.14905	0.109755	-1.35807	0.174441	0.804785
ENSMUSG0 Gatad1	106.5119	-0.23018	0.169476	-1.35819	0.174404	0.804785
ENSMUSG0 Chp1	351.0208	-0.17027	0.12573	-1.35422	0.175668	0.804785
ENSMUSG0 Birc5	738.6851	-0.14047	0.103761	-1.3538	0.175801	0.804785
ENSMUSG0 Pdxdc1	208.1915	0.197495	0.145842	1.354176	0.17568	0.804785
ENSMUSG0 Cmtr1	238.5971	0.203086	0.149844	1.355323	0.175315	0.804785
ENSMUSG0 Gps1	457.3494	-0.16248	0.120012	-1.3539	0.175768	0.804785
ENSMUSG0 Eif2b4	186.8045	0.208854	0.154192	1.354501	0.175577	0.804785
ENSMUSG0 Togaram1	267.7741	-0.18729	0.13809	-1.35627	0.175012	0.804785
ENSMUSG0 Rbm42	170.9869	-0.19389	0.143142	-1.35452	0.175571	0.804785
ENSMUSG0 Atp11b	192.6033	0.203253	0.14979	1.356921	0.174806	0.804785
ENSMUSG0 Gmds	134.6969	0.207107	0.152468	1.358358	0.17435	0.804785
ENSMUSG0 Ubr3	608.9658	0.176557	0.130004	1.358083	0.174437	0.804785
ENSMUSG0 Mat2a	1149.979	-0.12681	0.093682	-1.35365	0.175848	0.804785
ENSMUSG0 mt-Co2	1082.219	-0.24398	0.18002	-1.35528	0.175328	0.804785
ENSMUSG0 Dynlt1b	261.8564	-0.23033	0.169881	-1.35582	0.175156	0.804785
ENSMUSG0 Slc7a11	105.0922	0.24605	0.181828	1.353203	0.175991	0.804806
ENSMUSG0 Tubb5	3360.987	-0.13793	0.101999	-1.35223	0.176303	0.805113
ENSMUSG0 Nudt21	288.3119	-0.18641	0.137906	-1.3517	0.176473	0.805113
ENSMUSG0 Kdm7a	175.0258	0.20194	0.149354	1.352092	0.176346	0.805113
ENSMUSG0 Myo10	335.8687	0.205322	0.152413	1.347143	0.177934	0.806322
ENSMUSG0 Pfkfb1	210.1137	-0.20841	0.154721	-1.34699	0.177983	0.806322
ENSMUSG0 Cct8	426.905	0.176845	0.131264	1.34725	0.1779	0.806322
ENSMUSG0 Pds5a	331.0237	0.164777	0.122065	1.349921	0.177041	0.806322
ENSMUSG0 Cdk16	743.7789	-0.13097	0.097032	-1.34972	0.177106	0.806322
ENSMUSG0 Exoc6b	422.9527	-0.14911	0.110534	-1.34897	0.177347	0.806322
ENSMUSG0 Rbmxl1	125.835	-0.21353	0.158363	-1.34834	0.17755	0.806322
ENSMUSG0 Greb1l	297.1589	-0.19853	0.147379	-1.34707	0.177957	0.806322
ENSMUSG0 Gm10175	331.5637	-0.22259	0.164975	-1.34925	0.177258	0.806322
ENSMUSG0 Coq10a	153.7875	0.193266	0.143558	1.346262	0.178218	0.806758
ENSMUSG0 Secisbp2l	258.0294	0.167064	0.124221	1.344892	0.17866	0.806879
ENSMUSG0 Dennd4c	759.6179	-0.19084	0.141881	-1.34511	0.17859	0.806879
ENSMUSG0 Shisa2	115.4867	-0.22162	0.164748	-1.34519	0.178563	0.806879
ENSMUSG0 Usp53	130.6009	0.230028	0.171198	1.34364	0.179065	0.80808
ENSMUSG0 Fam13b	218.4333	-0.18408	0.13715	-1.34214	0.179549	0.809638
ENSMUSG0 Sf3a1	307.6563	-0.18364	0.137246	-1.33804	0.180885	0.810158
ENSMUSG0 Dtx2	500.1364	0.14234	0.106511	1.336392	0.181421	0.810158
ENSMUSG0 Ube2o	490.2206	0.14078	0.105275	1.337267	0.181135	0.810158
ENSMUSG0 Per1	329.0746	-0.17736	0.13235	-1.3401	0.180213	0.810158
ENSMUSG0 Pfas	245.5502	0.226517	0.169603	1.335577	0.181687	0.810158
ENSMUSG0 Ptpn	2305.731	0.106904	0.080041	1.335613	0.181676	0.810158
ENSMUSG0 Elk4	152.959	-0.19316	0.14463	-1.33554	0.181699	0.810158
ENSMUSG0 Rps20	168.5325	-0.21883	0.163955	-1.33468	0.181982	0.810158

ENSMUSG0 Pigo	151.0892	-0.2219	0.166279	-1.33454	0.182028	0.810158
ENSMUSG0 Ube2k	243.2164	-0.20117	0.150699	-1.33493	0.1819	0.810158
ENSMUSG0 Maz	1252.799	-0.11644	0.08697	-1.33888	0.180611	0.810158
ENSMUSG0 Rnf40	198.4972	0.184005	0.137821	1.335095	0.181845	0.810158
ENSMUSG0 Col4a1	121.2586	0.236889	0.177449	1.334969	0.181887	0.810158
ENSMUSG0 Neto2	230.4093	-0.18985	0.141799	-1.33885	0.18062	0.810158
ENSMUSG0 Atp6v0e2	244.4994	-0.1772	0.132443	-1.33793	0.180918	0.810158
ENSMUSG02310022A1	215.7544	-0.18111	0.135345	-1.33812	0.180858	0.810158
ENSMUSG0 Nfxl1	283.2216	0.166326	0.124197	1.339207	0.180503	0.810158
ENSMUSG0 Slc27a1	123.2384	0.214686	0.161066	1.332906	0.182563	0.810751
ENSMUSG0 Tmem135	154.0637	0.206957	0.155273	1.332856	0.182579	0.810751
ENSMUSG0 Plagl2	677.8155	-0.18029	0.135238	-1.33315	0.182484	0.810751
ENSMUSG0 Swi5	125.55	-0.20664	0.155101	-1.33232	0.182755	0.810913
ENSMUSG0 Ctsa	1706.173	-0.14772	0.111013	-1.33062	0.183313	0.811562
ENSMUSG0 Ddx6	1400.616	-0.14108	0.10603	-1.33061	0.183319	0.811562
ENSMUSG0 Usp31	674.7784	-0.16673	0.125236	-1.33131	0.183089	0.811562
ENSMUSG0 Neur1b	782.0676	0.141207	0.10624	1.329135	0.183803	0.812559
ENSMUSG0 Afdn	511.6801	0.149383	0.112396	1.329076	0.183823	0.812559
ENSMUSG0 Traf3	129.6322	-0.20131	0.151562	-1.32824	0.184098	0.813156
ENSMUSG0 Zbtb20	337.3452	-0.16954	0.127719	-1.32745	0.184361	0.813329
ENSMUSG0 Fth1	287.7534	-0.18822	0.141847	-1.3269	0.18454	0.813329
ENSMUSG0 Flna	618.4747	0.141395	0.106563	1.326858	0.184556	0.813329
ENSMUSG0 Rnh1	308.4809	0.170729	0.128837	1.325158	0.185119	0.814579
ENSMUSG0 Msi2	247.2331	-0.17888	0.134963	-1.3254	0.18504	0.814579
ENSMUSG0 Smurf2	185.806	-0.17961	0.135624	-1.32431	0.185401	0.814613
ENSMUSG0 Rad21	502.6034	-0.16547	0.12499	-1.32387	0.185546	0.814613
ENSMUSG0 Cnbp	236.1576	-0.17347	0.131026	-1.32395	0.185518	0.814613
ENSMUSG0 Ptpu	403.2505	-0.16444	0.12432	-1.32273	0.185924	0.815656
ENSMUSG0 Banf1	338.2364	-0.16378	0.123874	-1.32217	0.18611	0.815861
ENSMUSG0 Kpna2	3249.796	-0.14605	0.110516	-1.32152	0.18633	0.816208
ENSMUSG0 Slc25a39	293.7812	0.182833	0.138629	1.318866	0.187214	0.816889
ENSMUSG0 Cep97	124.4866	-0.22388	0.169742	-1.31892	0.187195	0.816889
ENSMUSG0 Nme6	128.4369	-0.21516	0.162999	-1.32002	0.186828	0.816889
ENSMUSG0 Brk1	225.1675	-0.17969	0.13621	-1.31924	0.18709	0.816889
ENSMUSG0 Atl2	181.6683	0.194066	0.146966	1.320476	0.186676	0.816889
ENSMUSG0 Kmt5c	477.3116	0.148408	0.112556	1.31853	0.187326	0.816889
ENSMUSG0 Ank3	351.397	0.168639	0.128006	1.317429	0.187695	0.817884
ENSMUSG0 Tbc1d7	191.4858	-0.18946	0.143909	-1.31652	0.188001	0.817994
ENSMUSG0 Fip1l1	137.5088	0.198957	0.151086	1.316845	0.187891	0.817994
ENSMUSG0 Uba3	128.6578	-0.19719	0.149899	-1.31545	0.188358	0.81838
ENSMUSG0 Ube2d3	389.7159	-0.20368	0.154841	-1.31541	0.188371	0.81838
ENSMUSG0 Lcor	374.0793	-0.18558	0.141129	-1.31498	0.188516	0.818402
ENSMUSG0 Med16	111.9757	0.217664	0.166125	1.310237	0.190116	0.819156
ENSMUSG0 Me2	158.8429	-0.19942	0.152263	-1.30973	0.190287	0.819156
ENSMUSG0 Fbxl16	552.001	-0.14907	0.113513	-1.31325	0.189098	0.819156
ENSMUSG0 Tbc1d9	849.775	-0.1307	0.099734	-1.31052	0.190021	0.819156
ENSMUSG0 Ppib	1223.799	-0.17521	0.133532	-1.31211	0.189482	0.819156
ENSMUSG0 Gc	284.8919	-0.1735	0.132499	-1.30947	0.190374	0.819156
ENSMUSG0 Scd1	451.9024	0.169	0.128814	1.311968	0.189531	0.819156
ENSMUSG0 Mbp	256.0392	0.165632	0.126153	1.312947	0.189201	0.819156
ENSMUSG0 Kmt2d	1086.296	0.154499	0.118023	1.309058	0.190515	0.819156
ENSMUSG0 Trappc1	2101.76	-0.14384	0.109713	-1.31108	0.18983	0.819156

ENSMUSG0 Rlim	330.9412	-0.16124	0.123174	-1.30905	0.190518	0.819156
ENSMUSG0 Atxn7l3b	811.0118	-0.1349	0.103048	-1.30911	0.190496	0.819156
ENSMUSG0 Sox4	287.0475	-0.15672	0.11947	-1.31175	0.189605	0.819156
ENSMUSG0 Frmd4a	308.8245	-0.1713	0.130986	-1.30781	0.190938	0.819468
ENSMUSG0 Zfp275	583.127	-0.17921	0.137018	-1.3079	0.190907	0.819468
ENSMUSG0 Tmem72	764.5231	0.234623	0.179432	1.30759	0.191012	0.819468
ENSMUSG0 Ercc6l	116.9034	-0.19905	0.152291	-1.30704	0.191197	0.819659
ENSMUSG0 Prrc2c	1074.415	-0.18494	0.141656	-1.30555	0.191704	0.820669
ENSMUSG0 Hist1h2ap	136.9321	-0.20099	0.15395	-1.30552	0.191715	0.820669
ENSMUSG0 Slc38a4	8492.924	-0.22412	0.171744	-1.30496	0.191906	0.820886
ENSMUSG0 Cdh4	708.7409	0.190994	0.146413	1.304484	0.192069	0.820977
ENSMUSG0 Ints2	200.7501	0.19287	0.147958	1.303547	0.192388	0.82174
ENSMUSG0 Stk4	110.3419	0.210142	0.161342	1.302466	0.192757	0.822062
ENSMUSG0 Arpc3	152.156	-0.20777	0.159729	-1.30079	0.193329	0.822062
ENSMUSG0 Wasl	215.7944	0.195768	0.150446	1.301249	0.193173	0.822062
ENSMUSG0 Fam160b1	288.5641	-0.16022	0.123168	-1.30081	0.193323	0.822062
ENSMUSG0 Rps29	337.916	-0.17172	0.13185	-1.30238	0.192787	0.822062
ENSMUSG0 Skp1a	377.2614	-0.17071	0.131167	-1.30149	0.193092	0.822062
ENSMUSG0 N4bp2	186.0208	-0.18207	0.140007	-1.30044	0.193451	0.822062
ENSMUSG0 Tpra1	164.2855	-0.18222	0.140465	-1.29726	0.194542	0.822631
ENSMUSG0 Rps9	295.774	0.18516	0.142662	1.297896	0.194323	0.822631
ENSMUSG0 Lpl	233.8201	0.219204	0.168961	1.297361	0.194507	0.822631
ENSMUSG0 Arhgap21	320.0483	0.166736	0.128539	1.297168	0.194573	0.822631
ENSMUSG0 Matr3	463.6658	-0.15478	0.119205	-1.29846	0.194129	0.822631
ENSMUSG0 Sh3pxd2a	1512.969	-0.12037	0.09276	-1.29769	0.194394	0.822631
ENSMUSG02610524HC	604.6669	0.13316	0.102546	1.298536	0.194103	0.822631
ENSMUSG0 Eif2b2	131.5196	0.200181	0.154584	1.294964	0.195333	0.823451
ENSMUSG04931428FO	375.4098	0.165408	0.127811	1.294162	0.195609	0.823451
ENSMUSG0 Ube4b	957.741	0.183482	0.141785	1.294082	0.195637	0.823451
ENSMUSG0 Trim33	203.9356	-0.19842	0.153405	-1.29342	0.195865	0.823451
ENSMUSG0 Dok4	146.9559	-0.19007	0.146965	-1.29333	0.195898	0.823451
ENSMUSG0 Zc3hav1l	624.5888	-0.1493	0.115273	-1.29521	0.195249	0.823451
ENSMUSG0 P2ry6	132.1455	0.198526	0.153437	1.29386	0.195714	0.823451
ENSMUSG0 Spry3	111.0625	-0.21086	0.163007	-1.29356	0.195818	0.823451
ENSMUSG0 Hip1r	347.4474	0.182706	0.142417	1.282897	0.199528	0.823821
ENSMUSG0 Gmcl1	117.6332	0.204327	0.158809	1.286618	0.198228	0.823821
ENSMUSG0 Nacc1	527.2892	-0.15338	0.118843	-1.29059	0.196845	0.823821
ENSMUSG0 Bax	132.173	0.199976	0.155864	1.283016	0.199487	0.823821
ENSMUSG0 Psen2	387.7274	0.163851	0.127352	1.2866	0.198234	0.823821
ENSMUSG0 Lyst	417.8003	0.162231	0.126515	1.282307	0.199735	0.823821
ENSMUSG0 Cpeb4	627.3474	-0.15803	0.123258	-1.28211	0.199804	0.823821
ENSMUSG0 Vrk1	189.4581	-0.1896	0.147266	-1.28748	0.197927	0.823821
ENSMUSG0 Rps24	218.8067	-0.19298	0.150492	-1.28235	0.199721	0.823821
ENSMUSG0 Pdia4	297.6907	-0.1635	0.127079	-1.28662	0.198227	0.823821
ENSMUSG0 Psmb7	214.6924	-0.17395	0.135133	-1.28721	0.19802	0.823821
ENSMUSG0 Mastl	167.2249	-0.20377	0.158394	-1.2865	0.198268	0.823821
ENSMUSG0 Pex5l	409.5282	0.144572	0.112215	1.288342	0.197627	0.823821
ENSMUSG0 Pip5k1a	107.5312	0.207134	0.160266	1.292441	0.196204	0.823821
ENSMUSG0 Ube2j1	259.4162	-0.20284	0.157859	-1.28496	0.198808	0.823821
ENSMUSG0 Snx30	546.8955	0.173909	0.135414	1.284278	0.199045	0.823821
ENSMUSG0 Kdm4c	126.0866	-0.19279	0.149514	-1.28943	0.19725	0.823821
ENSMUSG0 Lrrc41	642.8113	-0.14372	0.111256	-1.29181	0.196424	0.823821

ENSMUSG0Sesn2	295.8971	-0.17761	0.138436	-1.283	0.199493	0.823821
ENSMUSG0Cln3	425.3931	-0.16893	0.131748	-1.28225	0.199754	0.823821
ENSMUSG0Ccp110	259.6668	-0.18775	0.146325	-1.28307	0.199468	0.823821
ENSMUSG0Bace2	4321.822	-0.12361	0.095994	-1.28772	0.197842	0.823821
ENSMUSG0Tbc1d8b	228.0817	-0.17105	0.133293	-1.28325	0.199405	0.823821
ENSMUSG0C2cd4c	104.4666	0.205747	0.159921	1.286556	0.198249	0.823821
ENSMUSG0Slc39a9	287.312	0.154902	0.120139	1.289352	0.197276	0.823821
ENSMUSG0Tor1aip2	449.23	-0.15809	0.122385	-1.2917	0.19646	0.823821
ENSMUSG0Top1	211.365	-0.19248	0.14964	-1.28627	0.198348	0.823821
ENSMUSG0Gnai3	592.3722	-0.14027	0.109501	-1.28096	0.200207	0.82459
ENSMUSG0Akt1	352.9943	0.148352	0.116262	1.276018	0.201949	0.82459
ENSMUSG0Ccne1	756.8184	-0.13931	0.110328	-1.26265	0.206716	0.82459
ENSMUSG0Ncstn	601.3311	-0.13495	0.106415	-1.26815	0.204745	0.82459
ENSMUSG0Dnmt1	814.2514	0.129749	0.102286	1.268502	0.204619	0.82459
ENSMUSG0Ap1s1	408.846	0.141065	0.110417	1.277572	0.2014	0.82459
ENSMUSG0Ppp1cb	480.6549	0.156646	0.123927	1.26402	0.206223	0.82459
ENSMUSG0Cers2	352.0437	-0.15019	0.118765	-1.26459	0.206017	0.82459
ENSMUSG0Slc35c2	380.2904	-0.14735	0.116699	-1.26266	0.206712	0.82459
ENSMUSG0Gle1	120.2975	0.203156	0.159898	1.270539	0.203893	0.82459
ENSMUSG0Tmipo	520.1629	-0.16315	0.127584	-1.27873	0.200992	0.82459
ENSMUSG0Mdm1	111.0154	0.206445	0.161578	1.277681	0.201362	0.82459
ENSMUSG0Myh10	223.0627	-0.17327	0.136417	-1.27015	0.20403	0.82459
ENSMUSG0Spcs1	159.077	-0.18513	0.146054	-1.26752	0.20497	0.82459
ENSMUSG0Atp6v1c1	223.9182	-0.17558	0.138105	-1.27138	0.203595	0.82459
ENSMUSG0Tef	265.6143	0.204149	0.16013	1.274894	0.202347	0.82459
ENSMUSG0Mcm4	320.9395	-0.15889	0.124216	-1.27915	0.200844	0.82459
ENSMUSG0Enpp5	869.1701	-0.17865	0.139996	-1.27608	0.201927	0.82459
ENSMUSG0Hdac3	265.087	-0.1777	0.140539	-1.26442	0.206078	0.82459
ENSMUSG0Parp6	447.0374	-0.15512	0.122556	-1.26573	0.205608	0.82459
ENSMUSG0Sacm1l	249.3232	0.16014	0.126413	1.266802	0.205226	0.82459
ENSMUSG0Klh120	168.6125	0.183183	0.145003	1.263307	0.206479	0.82459
ENSMUSG0Sdccag3	103.2174	-0.20943	0.163864	-1.27807	0.201226	0.82459
ENSMUSG0Gpcpd1	176.9161	-0.20094	0.157646	-1.27462	0.202444	0.82459
ENSMUSG0Ppp3ca	141.3052	0.205718	0.161301	1.275371	0.202178	0.82459
ENSMUSG0Pnlsr	185.9497	-0.18646	0.147437	-1.2647	0.20598	0.82459
ENSMUSG0Wdr31	104.1601	0.230187	0.180591	1.27463	0.20244	0.82459
ENSMUSG0Ttc39a	331.7286	0.158145	0.124665	1.268559	0.204598	0.82459
ENSMUSG0Mtor	138.8175	0.202133	0.15919	1.269766	0.204168	0.82459
ENSMUSG0Smg1	404.1666	0.163983	0.128993	1.271252	0.203639	0.82459
ENSMUSG0Ppp4c	211.5321	-0.17164	0.134316	-1.27785	0.201301	0.82459
ENSMUSG0Mid1	266.1642	0.22701	0.177254	1.2807	0.200299	0.82459
ENSMUSG0Tmtc3	222.4039	0.193483	0.152094	1.272131	0.203327	0.82459
ENSMUSG0BC037034	326.2906	-0.15483	0.122639	-1.26246	0.206785	0.82459
ENSMUSG0Taf6	311.5778	-0.15446	0.121642	-1.26981	0.204154	0.82459
ENSMUSG0Ranbp9	208.9177	-0.19666	0.154473	-1.27312	0.202975	0.82459
ENSMUSG0Zzz3	188.4593	-0.17804	0.13969	-1.27454	0.202471	0.82459
ENSMUSG0Dicer1	1702.381	-0.13936	0.110165	-1.26497	0.205882	0.82459
ENSMUSG0Tox3	347.5169	-0.19478	0.15294	-1.27357	0.202816	0.82459
ENSMUSG0Pheta1	141.7403	0.19126	0.149927	1.275689	0.202066	0.82459
ENSMUSG0Kmt5b	274.0697	0.180606	0.142811	1.26465	0.205997	0.82459
ENSMUSG0Ppp1r15b	901.1336	-0.1346	0.105857	-1.27149	0.203553	0.82459
ENSMUSG0Zfp41	189.89	0.17621	0.138276	1.274333	0.202546	0.82459

ENSMUSG0Pcdh1	157.1377	0.178902	0.141116	1.267762	0.204883	0.82459
ENSMUSG0Senp7	134.5272	0.224139	0.175898	1.274253	0.202574	0.82459
ENSMUSG0Idi1	287.167	0.181999	0.143455	1.26868	0.204555	0.82459
ENSMUSG0Rab11b	288.7737	-0.16446	0.129964	-1.26544	0.205713	0.82459
ENSMUSG0Tma7	674.4142	-0.16001	0.125899	-1.2709	0.203764	0.82459
ENSMUSG0Cap1	256.4651	-0.17088	0.135541	-1.26074	0.207404	0.826495
ENSMUSG0Ins2	42834.91	-0.12262	0.097722	-1.25483	0.209542	0.826941
ENSMUSG0Zdhhc4	193.3196	-0.18184	0.145018	-1.25394	0.209863	0.826941
ENSMUSG0Bcas2	117.2645	0.195494	0.155871	1.254203	0.209768	0.826941
ENSMUSG0Lman2	2002.369	0.119879	0.09549	1.255409	0.20933	0.826941
ENSMUSG0Glt8d1	175.2716	0.20074	0.160068	1.254094	0.209808	0.826941
ENSMUSG0Birc6	1523.815	0.114055	0.090596	1.258936	0.208053	0.826941
ENSMUSG0Rbm27	237.2709	-0.17623	0.140255	-1.25653	0.208923	0.826941
ENSMUSG0Cdk14	165.5491	0.222086	0.176255	1.260027	0.20766	0.826941
ENSMUSG0Ezh2	585.2819	-0.14113	0.112562	-1.25376	0.209929	0.826941
ENSMUSG0Itfg1	570.2482	-0.17021	0.135159	-1.25932	0.207915	0.826941
ENSMUSG0Agpat1	195.996	-0.1828	0.145781	-1.25396	0.209857	0.826941
ENSMUSG0Wdte1	148.4769	-0.19466	0.154738	-1.25797	0.208402	0.826941
ENSMUSG0Fam83g	504.8684	0.131141	0.104381	1.25637	0.208982	0.826941
ENSMUSG0Ube2q1	280.7944	0.162451	0.12941	1.255319	0.209363	0.826941
ENSMUSG0Ppp1r37	145.3124	0.184723	0.14732	1.253892	0.209881	0.826941
ENSMUSG0Zkscan8	111.8536	-0.207	0.165073	-1.25402	0.209835	0.826941
ENSMUSG0Rpl27-ps3	286.8053	-0.20529	0.163178	-1.25808	0.208361	0.826941
ENSMUSG0Lnpk	121.2137	-0.2001	0.159686	-1.25306	0.210185	0.827067
ENSMUSG0Pole3	229.5965	-0.16927	0.135146	-1.2525	0.210387	0.827067
ENSMUSG0Grip2	1280.039	0.224526	0.179228	1.252742	0.2103	0.827067
ENSMUSG0Ero1l	472.0635	-0.17166	0.137154	-1.25159	0.210719	0.827667
ENSMUSG0Stx12	103.5505	-0.20378	0.162856	-1.2513	0.210824	0.827667
ENSMUSG0Slco3a1	176.8716	0.188671	0.150836	1.250833	0.210995	0.827783
ENSMUSG0Unc45a	263.6358	0.174806	0.139929	1.24925	0.211574	0.828936
ENSMUSG0Lamtor3	235.6221	-0.17997	0.14403	-1.24956	0.211461	0.828936
ENSMUSG0Egln1	152.3255	0.181115	0.145107	1.248148	0.211977	0.829707
ENSMUSG0Phf20	297.3039	0.177834	0.142503	1.247934	0.212055	0.829707
ENSMUSG0Slc35d1	161.6044	-0.196	0.15721	-1.24675	0.212489	0.829733
ENSMUSG0Myo5a	897.1603	-0.1351	0.108342	-1.24695	0.212415	0.829733
ENSMUSG0Ckap2l	162.3954	-0.20458	0.164075	-1.24685	0.212451	0.829733
ENSMUSG0Plpp1	141.1263	-0.19283	0.154979	-1.24425	0.213407	0.830894
ENSMUSG0Pomgnt1	138.0959	0.187367	0.150467	1.245236	0.213045	0.830894
ENSMUSG0Ccar2	170.5218	0.17184	0.138031	1.244942	0.213153	0.830894
ENSMUSG0Bcl9	392.3103	-0.14304	0.114951	-1.24435	0.21337	0.830894
ENSMUSG0Srsf1	194.138	0.179386	0.144201	1.244	0.213499	0.830894
ENSMUSG0Dbf4	121.7152	-0.18993	0.152894	-1.24223	0.214151	0.832507
ENSMUSG0Cep55	183.0293	-0.17395	0.140044	-1.2421	0.2142	0.832507
ENSMUSG0Susd6	1101.167	-0.13451	0.108426	-1.24057	0.214765	0.833593
ENSMUSG0Tmed2	455.9172	-0.17545	0.14139	-1.24091	0.214639	0.833593
ENSMUSG0Smpdl3a	240.6077	-0.20137	0.162486	-1.23931	0.21523	0.834243
ENSMUSG0Trp53inp1	212.8776	-0.1778	0.143448	-1.2395	0.215159	0.834243
ENSMUSG0Fam8a1	398.5764	-0.15613	0.126016	-1.23895	0.215362	0.834243
ENSMUSG0Nipal3	312.506	0.153371	0.123846	1.238398	0.215568	0.834486
ENSMUSG0Nup160	279.2413	-0.15984	0.129157	-1.23758	0.215871	0.835102
ENSMUSG0Vps26a	175.0306	-0.19223	0.156054	-1.23181	0.218019	0.836199
ENSMUSG0Hus1	110.7712	-0.20055	0.162305	-1.23563	0.216595	0.836199

ENSMUSG0 Cdc23	435.3536	-0.15641	0.126922	-1.23234	0.217824	0.836199
ENSMUSG0 Ik	175.7355	0.187338	0.151943	1.232952	0.217593	0.836199
ENSMUSG0 Cflar	234.2437	0.180532	0.146558	1.231809	0.21802	0.836199
ENSMUSG0 Eif3m	209.8551	-0.16563	0.134459	-1.23185	0.218007	0.836199
ENSMUSG0 Pag1	579.8519	-0.1575	0.127731	-1.23306	0.217552	0.836199
ENSMUSG0 Psip1	249.871	-0.18547	0.150118	-1.23552	0.216638	0.836199
ENSMUSG0 Plpbp	209.7614	-0.18273	0.147803	-1.23628	0.216355	0.836199
ENSMUSG0 Ankrd12	257.7004	0.17531	0.142139	1.233369	0.217438	0.836199
ENSMUSG0 Degs1	365.3527	-0.1714	0.138873	-1.2342	0.217128	0.836199
ENSMUSG0 Zfp706	279.0035	-0.1601	0.129921	-1.2323	0.217837	0.836199
ENSMUSG0 Sf1	225.1117	-0.16549	0.134062	-1.23441	0.217049	0.836199
ENSMUSG0 Atad2	469.761	-0.16378	0.133003	-1.2314	0.218175	0.836242
ENSMUSG0 Fam32a	222.1388	-0.16927	0.138429	-1.22276	0.221421	0.837103
ENSMUSG0 Foxj2	107.6705	-0.19171	0.156059	-1.22842	0.21929	0.837103
ENSMUSG0 Pttg1ip	479.8077	0.17247	0.140319	1.229125	0.219025	0.837103
ENSMUSG0 Rbm25	206.3373	0.175441	0.142808	1.228508	0.219256	0.837103
ENSMUSG0 Srsf1	194.4228	0.176945	0.14418	1.227249	0.219729	0.837103
ENSMUSG0 Tshz3	214.7603	-0.18195	0.148174	-1.22794	0.219469	0.837103
ENSMUSG0 Eif3h	181.6039	-0.18617	0.15207	-1.22422	0.220869	0.837103
ENSMUSG0 Usp25	162.0477	-0.18046	0.147676	-1.22201	0.221705	0.837103
ENSMUSG0 Pip5k1b	321.8113	-0.15997	0.130881	-1.22223	0.221622	0.837103
ENSMUSG0 Cplx2	269.4024	-0.15105	0.123646	-1.22163	0.221848	0.837103
ENSMUSG0 Ect2	247.8267	-0.16621	0.135859	-1.2234	0.221177	0.837103
ENSMUSG0 Anapc5	821.503	-0.11714	0.095466	-1.22707	0.219797	0.837103
ENSMUSG0 Oaf	119.8464	0.203779	0.166587	1.223252	0.221234	0.837103
ENSMUSG0 Alg3	479.9662	-0.18279	0.14949	-1.22279	0.221411	0.837103
ENSMUSG0 Arl5a	547.2764	-0.13582	0.110998	-1.22364	0.221088	0.837103
ENSMUSG0 Aifm1	358.4759	0.149222	0.121845	1.224688	0.220693	0.837103
ENSMUSG0 Egr1	201.1706	0.209738	0.17116	1.225389	0.220429	0.837103
ENSMUSG0 Kif14	138.0871	-0.19777	0.16159	-1.22393	0.220979	0.837103
ENSMUSG0 Lonp2	124.8248	-0.19012	0.155427	-1.22321	0.221249	0.837103
ENSMUSG0 Rbm15	155.2874	-0.17851	0.145086	-1.2304	0.218548	0.837103
ENSMUSG0 Arid4a	109.2682	-0.19254	0.157551	-1.22207	0.22168	0.837103
ENSMUSG0 Ndfip2	264.7257	-0.17311	0.140873	-1.22886	0.219123	0.837103
ENSMUSG0 Hspbp1	114.7959	0.204567	0.166613	1.227796	0.219524	0.837103
ENSMUSG0 Paqr9	145.2879	-0.18255	0.149101	-1.22433	0.220829	0.837103
ENSMUSG0 Dcbld2	552.1432	0.174561	0.142953	1.221113	0.222043	0.837297
ENSMUSG0 Zbtb37	153.5762	0.210451	0.172402	1.220696	0.222201	0.83735
ENSMUSG0 Krit1	167.51	0.218254	0.17893	1.219775	0.22255	0.838124
ENSMUSG0 Nfix	273.0658	-0.15607	0.128419	-1.21531	0.224248	0.838691
ENSMUSG0 Ube2m	628.6128	-0.12928	0.106318	-1.216	0.223985	0.838691
ENSMUSG0 Cnot2	123.0987	-0.2028	0.166871	-1.21529	0.224257	0.838691
ENSMUSG0 Hmnr	214.089	-0.16243	0.133362	-1.21793	0.22325	0.838691
ENSMUSG0 Syt4	629.4145	-0.1483	0.121973	-1.2158	0.22406	0.838691
ENSMUSG0 Ccnc	134.0703	-0.18674	0.15331	-1.21805	0.223204	0.838691
ENSMUSG0 Slc44a1	350.4597	0.151615	0.124644	1.216381	0.22384	0.838691
ENSMUSG0 Cul4a	206.888	0.194012	0.15969	1.214927	0.224394	0.838691
ENSMUSG0 Fbxo21	474.731	0.127975	0.105217	1.216299	0.223871	0.838691
ENSMUSG0 Cd2bp2	105.2842	-0.19518	0.160663	-1.21484	0.224428	0.838691
ENSMUSG0 Scfd2	149.6749	0.212816	0.175104	1.215374	0.224224	0.838691
ENSMUSG0 Psm5	506.9913	-0.14008	0.115059	-1.21743	0.223442	0.838691
ENSMUSG0 Spen	625.5113	0.141227	0.116367	1.213637	0.224886	0.839864

ENSMUSG0 Rab11fip2	109.1098	-0.19911	0.164137	-1.2131	0.225092	0.840093
ENSMUSG0 Phf21b	391.9348	0.14961	0.123579	1.210644	0.226032	0.840881
ENSMUSG0 Ivd	333.7664	0.156207	0.12888	1.212035	0.225499	0.840881
ENSMUSG0 Atp5l	411.2119	-0.14402	0.118896	-1.21132	0.225772	0.840881
ENSMUSG0 Mcm3	314.8339	0.143859	0.1189	1.20991	0.226313	0.840881
ENSMUSG0 Hmga1	111.7729	-0.19926	0.164594	-1.21062	0.22604	0.840881
ENSMUSG0 Zfp449	160.4641	-0.19276	0.15929	-1.21014	0.226224	0.840881
ENSMUSG0 Csnk1g3	135.218	-0.18211	0.150495	-1.21005	0.22626	0.840881
ENSMUSG0 Hcfc2	415.5536	-0.15391	0.127412	-1.20794	0.227071	0.843158
ENSMUSG0 Qser1	206.3567	-0.19893	0.164843	-1.20682	0.227503	0.844223
ENSMUSG0 Prrc1	317.8635	0.147184	0.122067	1.205765	0.227908	0.844652
ENSMUSG0 Dynlrb1	109.2583	-0.20351	0.168745	-1.20601	0.227814	0.844652
ENSMUSG0 Ireb2	781.7713	-0.1454	0.120697	-1.20464	0.228343	0.845219
ENSMUSG0 Tmem97	193.8026	-0.18473	0.153351	-1.20462	0.228351	0.845219
ENSMUSG0 Cdip1	140.9206	0.186561	0.154983	1.203756	0.228684	0.845913
ENSMUSG0 Llgl2	109.782	-0.1912	0.159053	-1.20209	0.22933	0.846046
ENSMUSG0 Rnf19a	285.8657	-0.16067	0.13373	-1.20142	0.22959	0.846046
ENSMUSG0 Sf1	225.5055	-0.16073	0.133792	-1.20137	0.229607	0.846046
ENSMUSG0 Zdbf2	357.852	-0.15435	0.128514	-1.20104	0.229737	0.846046
ENSMUSG0 Rassf8	213.8183	-0.19198	0.159605	-1.20287	0.229028	0.846046
ENSMUSG0 C2cd5	167.4098	0.171793	0.143015	1.201223	0.229665	0.846046
ENSMUSG0 Zdhhc7	207.4895	0.164543	0.136777	1.203003	0.228975	0.846046
ENSMUSG0 Naa35	153.3304	0.17823	0.148686	1.198697	0.230646	0.848858
ENSMUSG0 Prkar2b	192.6398	0.161275	0.135055	1.194137	0.232425	0.84891
ENSMUSG0 Ciao1	201.5669	0.160207	0.136966	1.169682	0.242129	0.84891
ENSMUSG0 Odr4	112.3681	-0.19483	0.165629	-1.17633	0.239463	0.84891
ENSMUSG0 Usp19	279.4718	0.165634	0.139761	1.185123	0.235969	0.84891
ENSMUSG0 Tspan31	199.3534	-0.16218	0.138441	-1.17149	0.241401	0.84891
ENSMUSG0 Khgrp	696.0537	-0.12068	0.10315	-1.16999	0.242006	0.84891
ENSMUSG0 Faf1	412.633	-0.15234	0.128821	-1.18256	0.236985	0.84891
ENSMUSG0 Rps5	1365.419	-0.12904	0.109073	-1.18311	0.236765	0.84891
ENSMUSG0 E2f4	300.3763	-0.15623	0.131188	-1.19087	0.233703	0.84891
ENSMUSG0 Hmgb3	248.8198	-0.15239	0.130077	-1.17151	0.241394	0.84891
ENSMUSG0 Cox7c	163.1485	-0.1925	0.164887	-1.16744	0.243031	0.84891
ENSMUSG0 Vdac1	766.9411	0.125407	0.107456	1.167048	0.243191	0.84891
ENSMUSG0 Rps27a	742.5318	-0.14406	0.120704	-1.19351	0.232669	0.84891
ENSMUSG0 Ftsj3	127.98	0.199166	0.166849	1.193685	0.232601	0.84891
ENSMUSG0 Hivep1	277.9253	-0.1712	0.144986	-1.18077	0.237694	0.84891
ENSMUSG0 Nsun2	215.1519	-0.15504	0.131081	-1.18275	0.236908	0.84891
ENSMUSG0 Clptm1l	397.2288	-0.1349	0.11379	-1.18554	0.235805	0.84891
ENSMUSG0 Zmym2	301.5291	-0.17421	0.145609	-1.19645	0.23152	0.84891
ENSMUSG0 Poc1a	173.638	-0.17314	0.148068	-1.16932	0.242276	0.84891
ENSMUSG0 Sik1	649.5334	-0.14536	0.122564	-1.18597	0.235633	0.84891
ENSMUSG0 Wiz	225.2106	-0.16109	0.136366	-1.18128	0.237492	0.84891
ENSMUSG0 Sos1	187.5473	-0.17598	0.148241	-1.18711	0.235185	0.84891
ENSMUSG0 Txnl1	324.7755	-0.15418	0.130662	-1.18002	0.237994	0.84891
ENSMUSG0 Cnpy2	119.9868	-0.18768	0.157842	-1.18901	0.234437	0.84891
ENSMUSG0 Mbd6	230.2945	0.154101	0.129491	1.19005	0.234027	0.84891
ENSMUSG0 Hspa4l	207.3151	-0.16488	0.138182	-1.19318	0.232797	0.84891
ENSMUSG0 Prkar1b	124.4428	0.191035	0.16004	1.193674	0.232606	0.84891
ENSMUSG0 Dtymk	270.4213	-0.15459	0.13233	-1.16821	0.242722	0.84891
ENSMUSG0 Tmem9	123.4903	-0.19175	0.163256	-1.17455	0.240174	0.84891

ENSMUSG0 Kctd3	120.4684	0.201618	0.171461	1.175886	0.23964	0.84891
ENSMUSG0 Crls1	117.2772	0.184642	0.155888	1.184449	0.236235	0.84891
ENSMUSG0 Sike1	130.582	-0.17993	0.152089	-1.18305	0.23679	0.84891
ENSMUSG0 Adam15	137.7113	0.207628	0.175891	1.180435	0.237827	0.84891
ENSMUSG0 Cks1b	141.8111	-0.18756	0.158056	-1.18664	0.235368	0.84891
ENSMUSG0 Tada2b	191.8364	-0.16036	0.13632	-1.17638	0.239441	0.84891
ENSMUSG0 Uchl1	460.7774	0.145437	0.121581	1.196215	0.231613	0.84891
ENSMUSG0 Kras	217.514	-0.1694	0.142975	-1.18482	0.236087	0.84891
ENSMUSG0 Idh2	435.4394	-0.12894	0.110437	-1.16752	0.242999	0.84891
ENSMUSG0 Nono	375.218	0.155337	0.131381	1.182341	0.237071	0.84891
ENSMUSG0 Eri1	133.6004	-0.18174	0.151986	-1.19576	0.23179	0.84891
ENSMUSG0 B3gnt3	449.7786	-0.14325	0.121892	-1.17525	0.239895	0.84891
ENSMUSG0 Slc7a6	437.1812	-0.16345	0.138025	-1.1842	0.236332	0.84891
ENSMUSG0 Rdx	739.7871	-0.1297	0.108968	-1.19028	0.233935	0.84891
ENSMUSG0 Fam81a	214.8864	-0.15449	0.131852	-1.17167	0.24133	0.84891
ENSMUSG0 Clk3	125.6262	-0.18528	0.157787	-1.17422	0.240305	0.84891
ENSMUSG0 Slc16a1	206.7136	-0.1609	0.13453	-1.19602	0.23169	0.84891
ENSMUSG0 Foxj3	414.0551	-0.13069	0.111125	-1.17603	0.239581	0.84891
ENSMUSG0 Resp18	2139.979	-0.20707	0.17666	-1.17212	0.241149	0.84891
ENSMUSG0 Mif	164.8221	-0.18411	0.1568	-1.17416	0.240329	0.84891
ENSMUSG0 Cacul1	563.9736	-0.13891	0.118464	-1.17259	0.240961	0.84891
ENSMUSG0 Zdhhc5	218.3814	-0.18226	0.15286	-1.19235	0.233123	0.84891
ENSMUSG0 Ints6l	265.4747	-0.17575	0.149764	-1.17349	0.240599	0.84891
ENSMUSG0 Tbc1d24	120.3492	-0.19224	0.161916	-1.18729	0.235112	0.84891
ENSMUSG0 Eea1	266.2503	-0.15958	0.136345	-1.17044	0.241823	0.84891
ENSMUSG0 Ttyh3	814.7363	0.134778	0.112481	1.198224	0.23083	0.84891
ENSMUSG0 Capn15	351.4249	0.14908	0.126342	1.179969	0.238012	0.84891
ENSMUSG0 Pank2	180.9513	0.168396	0.141927	1.186503	0.235424	0.84891
ENSMUSG0 Bclaf1	260.2432	0.165446	0.139722	1.184103	0.236372	0.84891
ENSMUSG0 Mylip	435.6128	-0.14958	0.125511	-1.19178	0.233349	0.84891
ENSMUSG0 Cdc16	339.2788	-0.14969	0.12551	-1.19265	0.233007	0.84891
ENSMUSG0 Tfdp1	443.6797	0.149277	0.126907	1.176268	0.239488	0.84891
ENSMUSG0 Phrf1	174.6325	-0.1684	0.143468	-1.17381	0.240472	0.84891
ENSMUSG0 Tmem214	474.4488	-0.15529	0.132994	-1.16766	0.242943	0.84891
ENSMUSG0 Phb	151.4488	-0.17413	0.146932	-1.18511	0.235975	0.84891
ENSMUSG0 Exosc2	125.8526	0.190406	0.16114	1.181619	0.237357	0.84891
ENSMUSG0 Pclaf	292.7441	-0.14709	0.125109	-1.17573	0.239701	0.84891
ENSMUSG05330417C2	591.5067	-0.12402	0.105897	-1.17118	0.241527	0.84891
ENSMUSG0 Iqsec3	106.0565	-0.19166	0.160303	-1.19558	0.23186	0.84891
ENSMUSG0 B3galnt1	125.8015	-0.18571	0.157684	-1.17771	0.238912	0.84891
ENSMUSG0 Hjurp	959.7383	-0.12333	0.103485	-1.1918	0.233339	0.84891
ENSMUSG0 Slc25a23	214.4127	0.161565	0.13652	1.183455	0.236629	0.84891
ENSMUSG0 Rab2a	390.8038	-0.13198	0.112975	-1.16822	0.242717	0.84891
ENSMUSG0 Ppp1r2	120.4134	-0.18454	0.156968	-1.17567	0.239729	0.84891
ENSMUSG0 Eif5a2	109.7323	-0.19696	0.167771	-1.17398	0.240405	0.84891
ENSMUSG0 Nsun3	108.2079	-0.19126	0.163651	-1.16869	0.242529	0.84891
ENSMUSG0 Ankrd44	239.6556	0.156201	0.132388	1.179873	0.238051	0.84891
ENSMUSG0 Cstf2t	104.9543	-0.19099	0.16107	-1.18578	0.235711	0.84891
ENSMUSG0 Mast1	215.4022	-0.15204	0.128988	-1.17868	0.238527	0.84891
ENSMUSG0 Fkbp2	190.5938	0.181559	0.152756	1.188557	0.234614	0.84891
ENSMUSG0 Ide	179.6794	-0.16516	0.13979	-1.18148	0.237413	0.84891
ENSMUSG0 Wtap	154.2847	-0.18377	0.153684	-1.19577	0.231787	0.84891

ENSMUSG0Stk24	113.0962	0.186027	0.15605	1.192099	0.233222	0.84891
ENSMUSG04931406P1	148.5118	-0.20091	0.170403	-1.17904	0.238381	0.84891
ENSMUSG0Ptges3	241.0168	-0.15575	0.131	-1.18891	0.234477	0.84891
ENSMUSG0Apcdd1	206.2775	-0.17177	0.146573	-1.17188	0.241247	0.84891
ENSMUSG0Pdzd8	410.5785	-0.14826	0.127002	-1.1674	0.243047	0.84891
ENSMUSG0Luzp1	325.037	-0.15995	0.137258	-1.16531	0.243892	0.849899
ENSMUSG0Rnf141	626.62	0.131748	0.113132	1.164544	0.244204	0.849899
ENSMUSG0Smim7	385.0904	-0.16783	0.144033	-1.16523	0.243927	0.849899
ENSMUSG0Rif	271.3374	-0.15796	0.135635	-1.16458	0.244189	0.849899
ENSMUSG0Smim20	189.4919	-0.16924	0.145159	-1.16586	0.243669	0.849899
ENSMUSG0Kat2b	148.4878	-0.16613	0.144854	-1.14686	0.251441	0.850305
ENSMUSG0Clcn5	463.3648	0.140819	0.12355	1.139766	0.254384	0.850305
ENSMUSG0Ctsd	733.7863	-0.12374	0.107549	-1.15056	0.249914	0.850305
ENSMUSG0Tnp03	238.1278	0.15003	0.130793	1.147082	0.251348	0.850305
ENSMUSG0Atad1	363.1035	-0.15346	0.133792	-1.14699	0.251385	0.850305
ENSMUSG0Zfp207	166.5881	-0.17835	0.156153	-1.14212	0.253405	0.850305
ENSMUSG0Sptbn1	1445.611	-0.13027	0.112835	-1.15454	0.24828	0.850305
ENSMUSG0Hs1bp3	173.7721	-0.16417	0.142224	-1.15432	0.24837	0.850305
ENSMUSG0Prkar1a	3194.229	-0.09337	0.081681	-1.14311	0.252994	0.850305
ENSMUSG0Cluh	221.3883	0.157558	0.137308	1.147478	0.251184	0.850305
ENSMUSG0Tmed10	868.8382	-0.13192	0.115186	-1.14526	0.2521	0.850305
ENSMUSG0Haus4	108.8857	-0.17878	0.154858	-1.15448	0.248304	0.850305
ENSMUSG0Myh9	1156.628	0.106647	0.092254	1.156016	0.247675	0.850305
ENSMUSG0Pak2	210.5446	0.193963	0.167163	1.160322	0.245918	0.850305
ENSMUSG0Ildr1	105.7521	0.187022	0.161433	1.158508	0.246657	0.850305
ENSMUSG0Brd4	273.2271	0.154111	0.132896	1.159631	0.246199	0.850305
ENSMUSG0Setbp1	189.0198	-0.1667	0.144252	-1.15563	0.247834	0.850305
ENSMUSG0Esrra	131.5999	0.19344	0.167409	1.155492	0.247889	0.850305
ENSMUSG0Pdcd11	176.6767	0.155976	0.136851	1.139749	0.254391	0.850305
ENSMUSG0Fuom	298.8099	-0.1579	0.137218	-1.15071	0.24985	0.850305
ENSMUSG0Tuba4a	628.5504	-0.12749	0.110647	-1.15223	0.249225	0.850305
ENSMUSG0Ncl	347.8624	0.159333	0.139697	1.140562	0.254052	0.850305
ENSMUSG0Ptpn4	463.8261	-0.17309	0.149107	-1.16082	0.245716	0.850305
ENSMUSG0Ak1	115.5316	0.174823	0.15318	1.14129	0.253749	0.850305
ENSMUSG0Ralgs	166.1942	0.169746	0.146971	1.154965	0.248105	0.850305
ENSMUSG0Gapvd1	327.4775	0.153926	0.13474	1.142395	0.25329	0.850305
ENSMUSG0Abca2	691.5559	0.156143	0.13693	1.14031	0.254157	0.850305
ENSMUSG0Ttc17	466.7908	-0.16739	0.145817	-1.14793	0.250999	0.850305
ENSMUSG0Fubp1	182.3465	0.181395	0.157853	1.149143	0.250497	0.850305
ENSMUSG0Ctnnbip1	224.7605	0.146944	0.128028	1.147748	0.251072	0.850305
ENSMUSG0Apbb2	181.3848	-0.17058	0.147603	-1.15568	0.247811	0.850305
ENSMUSG0Cct6a	222.6653	0.200222	0.174826	1.145264	0.2521	0.850305
ENSMUSG0Snx8	311.8992	0.137298	0.119459	1.149334	0.250418	0.850305
ENSMUSG0Mtpn	441.6563	-0.13803	0.12056	-1.14487	0.252263	0.850305
ENSMUSG0Pole4	370.7793	0.152655	0.133899	1.140079	0.254253	0.850305
ENSMUSG0Vps4a	103.1771	-0.19223	0.165573	-1.16101	0.245638	0.850305
ENSMUSG0Aars	831.8904	0.127641	0.110727	1.152753	0.249012	0.850305
ENSMUSG0Pebp1	592.535	0.122413	0.107126	1.142696	0.253165	0.850305
ENSMUSG0Pfkml	106.3716	0.179836	0.154898	1.160996	0.245644	0.850305
ENSMUSG0Ttc28	519.0522	0.156752	0.136056	1.15212	0.249272	0.850305
ENSMUSG0Evpl	139.7986	0.178806	0.154613	1.156472	0.247488	0.850305
ENSMUSG0Tubg1	301.4015	-0.14358	0.125585	-1.14328	0.252922	0.850305

ENSMUSG0 Gnptab	1030	0.105955	0.092506	1.145387	0.252049	0.850305
ENSMUSG05031439G0	484.8408	0.155231	0.133555	1.162293	0.245117	0.850305
ENSMUSG0 Rab3gap1	386.6804	0.171857	0.149113	1.152531	0.249103	0.850305
ENSMUSG0 Lrrk2	110.463	-0.18923	0.164847	-1.14792	0.251001	0.850305
ENSMUSG0 Aaas	114.2144	-0.17748	0.153144	-1.15891	0.246494	0.850305
ENSMUSG0 Rab11fip3	163.5203	0.180696	0.156999	1.150934	0.24976	0.850305
ENSMUSG0 Ctbp1	293.0813	0.176023	0.154403	1.140021	0.254278	0.850305
ENSMUSG0 Mar-06	1171.225	-0.13504	0.116764	-1.15649	0.247483	0.850305
ENSMUSG0 Prune2	596.4932	-0.14506	0.124831	-1.16209	0.245199	0.850305
ENSMUSG0 Zmiz2	395.5437	-0.15629	0.136358	-1.14618	0.251721	0.850305
ENSMUSG0 Wapl	450.3767	0.208092	0.180089	1.155493	0.247889	0.850305
ENSMUSG0 Tlk1	270.9483	-0.18262	0.159582	-1.14435	0.25248	0.850305
ENSMUSG0 Dstyk	144.6178	0.171419	0.148187	1.156778	0.247363	0.850305
ENSMUSG0 Nrep	801.1168	-0.125	0.107944	-1.15796	0.246879	0.850305
ENSMUSG0 Grsf1	199.0894	-0.1608	0.139156	-1.1555	0.247885	0.850305
ENSMUSG0 Rps10	131.8218	-0.18442	0.158534	-1.16326	0.244726	0.850305
ENSMUSG0 Ficd	150.1773	-0.17131	0.147924	-1.15812	0.246813	0.850305
ENSMUSG0 Pkn1	397.8079	0.176794	0.15492	1.141195	0.253789	0.850305
ENSMUSG0 Rrp1	157.7586	0.162904	0.142483	1.143329	0.252902	0.850305
ENSMUSG0 Fnip2	468.8327	-0.13197	0.114868	-1.1489	0.250599	0.850305
ENSMUSG0 Mmgt1	238.4604	-0.17575	0.153691	-1.14351	0.252827	0.850305
ENSMUSG0 Ccni	266.9382	-0.15844	0.137669	-1.15088	0.249781	0.850305
ENSMUSG0 Nupl1	212.2997	-0.18029	0.157038	-1.14809	0.250932	0.850305
ENSMUSG0 Rraga	220.7989	-0.16429	0.142993	-1.14891	0.250593	0.850305
ENSMUSG0 H2-D1	727.4709	-0.11497	0.099411	-1.15651	0.247471	0.850305
ENSMUSG0 Gm29084	1049.853	-0.10909	0.095488	-1.14244	0.253269	0.850305
ENSMUSG0 Ide	178.9981	-0.16079	0.139887	-1.14942	0.250381	0.850305
ENSMUSG0 Wdr36	122.0602	-0.17283	0.151795	-1.13858	0.254878	0.851446
ENSMUSG0 Psmb5	426.5038	-0.1362	0.119683	-1.13801	0.255117	0.851755
ENSMUSG0 Ipo4	169.2277	0.177056	0.155764	1.136694	0.255666	0.852077
ENSMUSG0 Atp10a	110.253	0.178768	0.157382	1.135886	0.256004	0.852077
ENSMUSG0 Atrn	302.7411	0.137271	0.120871	1.135678	0.256091	0.852077
ENSMUSG0 Cit	256.998	0.169384	0.149016	1.136685	0.25567	0.852077
ENSMUSG0 Pold1	143.3511	0.169288	0.148987	1.136259	0.255848	0.852077
ENSMUSG09330182L0	294.8835	-0.1591	0.139908	-1.1372	0.255453	0.852077
ENSMUSG0 Lig3	156.1686	0.179905	0.158785	1.133011	0.25721	0.853361
ENSMUSG0 Mpc1	217.6874	0.189109	0.166788	1.133825	0.256868	0.853361
ENSMUSG0 Slc29a1	220.5713	-0.15543	0.137157	-1.13321	0.257127	0.853361
ENSMUSG0 Ankrd54	110.4444	0.182753	0.161288	1.133085	0.257179	0.853361
ENSMUSG0 Hip1	185.0232	0.171407	0.151271	1.133111	0.257168	0.853361
ENSMUSG0 Gdap1l1	236.2939	0.172558	0.152445	1.131932	0.257663	0.85378
ENSMUSG0 Pisd	145.6818	0.167903	0.148368	1.131665	0.257775	0.85378
ENSMUSG0 Brox	143.9038	-0.17103	0.151055	-1.13223	0.257536	0.85378
ENSMUSG0 Idh3g	197.8106	-0.17099	0.154438	-1.10716	0.268226	0.855875
ENSMUSG0 Wdr1	274.8	-0.14044	0.12532	-1.12068	0.262424	0.855875
ENSMUSG0 Hapln4	199.1058	0.151264	0.136386	1.10909	0.267391	0.855875
ENSMUSG0 Gltp	154.4374	-0.16361	0.146703	-1.11523	0.264751	0.855875
ENSMUSG0 Csf1	254.0327	0.145135	0.131717	1.101876	0.270516	0.855875
ENSMUSG0 Dnajb9	1290.466	-0.19751	0.175186	-1.1274	0.259572	0.855875
ENSMUSG0 Map2	650.1379	-0.14824	0.132309	-1.12043	0.26253	0.855875
ENSMUSG0 Tox4	183.8293	-0.16939	0.152589	-1.11013	0.266942	0.855875
ENSMUSG0 Ywhab	609.3275	-0.13005	0.117836	-1.10363	0.269756	0.855875

ENSMUSG0Ypel2	342.9757	-0.15487	0.140576	-1.10168	0.270603	0.855875
ENSMUSG0Slc35e1	514.8608	-0.127	0.113083	-1.12309	0.261398	0.855875
ENSMUSG0Arf5	554.606	0.123858	0.110558	1.120295	0.262588	0.855875
ENSMUSG0Laptm4a	427.3393	-0.15869	0.143569	-1.10532	0.269023	0.855875
ENSMUSG0Tlk2	111.8972	-0.17314	0.154357	-1.1217	0.261989	0.855875
ENSMUSG0Mfsd11	454.6083	0.128607	0.116809	1.101004	0.270895	0.855875
ENSMUSG0Depdc1b	110.6438	-0.18628	0.16677	-1.11697	0.264007	0.855875
ENSMUSG0Desi1	496.1091	-0.14168	0.125794	-1.1263	0.26004	0.855875
ENSMUSG0Noct	3275.301	-0.0979	0.08825	-1.10936	0.267276	0.855875
ENSMUSG0Lrpprc	516.3622	0.121366	0.107429	1.12973	0.25859	0.855875
ENSMUSG0Fkbp5	144.269	0.16373	0.148169	1.105016	0.269153	0.855875
ENSMUSG0Etf1	316.2225	-0.13704	0.123927	-1.10581	0.268807	0.855875
ENSMUSG0Cyb5a	170.5401	-0.15999	0.14419	-1.10956	0.267189	0.855875
ENSMUSG0Nptx1	341.3081	-0.14223	0.128356	-1.10808	0.267827	0.855875
ENSMUSG0Usp16	139.5077	0.161295	0.144735	1.11442	0.265099	0.855875
ENSMUSG0Itgb1	1109.69	-0.11903	0.106915	-1.11333	0.265568	0.855875
ENSMUSG0Ctdsp1	384.8146	-0.1406	0.124511	-1.12925	0.258792	0.855875
ENSMUSG0Rbbp5	104.2422	0.181751	0.163071	1.114554	0.265042	0.855875
ENSMUSG0Ppp2r5a	177.7679	0.200709	0.179611	1.117465	0.263796	0.855875
ENSMUSG0Aldh9a1	126.2746	-0.1712	0.154234	-1.11	0.267	0.855875
ENSMUSG0Rbm18	115.828	0.175065	0.156578	1.118071	0.263537	0.855875
ENSMUSG0Eif3j1	103.42	-0.18388	0.167002	-1.10108	0.270862	0.855875
ENSMUSG0Atg13	216.2406	0.152792	0.135563	1.127089	0.259705	0.855875
ENSMUSG0Pcna	328.1908	-0.14801	0.133242	-1.11085	0.266635	0.855875
ENSMUSG0Psmg7	137.1048	-0.16507	0.149505	-1.10414	0.26953	0.855875
ENSMUSG0Arfgap1	206.0097	0.153879	0.137824	1.11649	0.264212	0.855875
ENSMUSG0Slc2a2	174.0339	0.166679	0.151179	1.102529	0.270232	0.855875
ENSMUSG0Slc50a1	185.1343	-0.16156	0.144251	-1.11999	0.262718	0.855875
ENSMUSG0Rragd	172.9597	-0.1538	0.138689	-1.10894	0.267454	0.855875
ENSMUSG0Eloa	118.5231	-0.17085	0.152973	-1.11688	0.264045	0.855875
ENSMUSG0Cmpk1	234.6854	-0.14386	0.130169	-1.10519	0.269078	0.855875
ENSMUSG0Tbc1d14	246.1184	0.147366	0.130688	1.127615	0.259483	0.855875
ENSMUSG0Gnb2	538.8931	-0.13695	0.122364	-1.11918	0.263064	0.855875
ENSMUSG0Rad18	124.9999	-0.17417	0.156664	-1.11175	0.266245	0.855875
ENSMUSG0Qpct1	115.9593	-0.16719	0.151399	-1.10428	0.26947	0.855875
ENSMUSG0Lamtor1	152.6956	-0.16083	0.145577	-1.1048	0.269246	0.855875
ENSMUSG0Uqcrc2	287.284	0.15199	0.137749	1.103386	0.26986	0.855875
ENSMUSG0Otud5	109.6423	0.179491	0.159924	1.122352	0.261713	0.855875
ENSMUSG0Myo1e	483.8635	-0.13244	0.120198	-1.10187	0.270517	0.855875
ENSMUSG0Alas1	147.588	-0.16747	0.150821	-1.1104	0.266827	0.855875
ENSMUSG0Smc4	205.9567	-0.15394	0.138824	-1.1089	0.267471	0.855875
ENSMUSG0Six4	210.2705	-0.15694	0.140749	-1.11504	0.264833	0.855875
ENSMUSG0Dhx8	286.0597	-0.14594	0.132117	-1.10464	0.269315	0.855875
ENSMUSG0Cox6b1	244.7503	0.159797	0.144955	1.102391	0.270292	0.855875
ENSMUSG0Trmt6	111.9526	-0.17672	0.157682	-1.12075	0.262394	0.855875
ENSMUSG0Opa1	156.3724	-0.16312	0.147374	-1.10687	0.268348	0.855875
ENSMUSG0F11r	135.0331	0.176341	0.158422	1.113107	0.265663	0.855875
ENSMUSG0Otud7b	177.3984	0.182695	0.165839	1.101636	0.27062	0.855875
ENSMUSG0Ptpn3	517.1903	-0.11512	0.102857	-1.11919	0.263059	0.855875
ENSMUSG0Kat7	216.8939	-0.1457	0.129728	-1.12313	0.261381	0.855875
ENSMUSG0Rbms2	133.9693	-0.16737	0.150029	-1.11559	0.2646	0.855875
ENSMUSG0Orc3	136.4613	0.171809	0.152926	1.123482	0.261233	0.855875

ENSMUSG0Rbm48	117.2271	-0.1894	0.169451	-1.11773	0.263684	0.855875
ENSMUSG0Rad54l2	264.2052	0.140519	0.127318	1.103691	0.269727	0.855875
ENSMUSG0S100pbp	566.6455	-0.13901	0.125861	-1.10446	0.269396	0.855875
ENSMUSG0Dmxl2	397.3078	-0.14213	0.126818	-1.12077	0.262388	0.855875
ENSMUSG0Nop53	106.4553	0.177821	0.159224	1.116792	0.264083	0.855875
ENSMUSG0Btbd7	114.1492	-0.18003	0.159739	-1.12701	0.259739	0.855875
ENSMUSG0Camk2n1	1838.204	-0.10021	0.090288	-1.10986	0.267057	0.855875
ENSMUSG0Nrip1	162.8044	0.158109	0.141191	1.119825	0.262788	0.855875
ENSMUSG02310061104	152.9982	-0.15929	0.144015	-1.10607	0.268697	0.855875
ENSMUSG0Saclg1	105.2992	0.174773	0.156998	1.113215	0.265616	0.855875
ENSMUSG0Pom121	492.1272	-0.13322	0.118294	-1.12617	0.260092	0.855875
ENSMUSG0Sphk2	293.2648	-0.13911	0.123216	-1.12899	0.258904	0.855875
ENSMUSG0Sep-11	253.7506	-0.13817	0.123454	-1.11919	0.263057	0.855875
ENSMUSG0Taok2	593.9621	0.120396	0.107481	1.12016	0.262646	0.855875
ENSMUSG0Ap2a1	499.0395	-0.13087	0.117736	-1.11156	0.266328	0.855875
ENSMUSG0Gm10123	343.7387	-0.20272	0.182775	-1.10915	0.267367	0.855875
ENSMUSG0mt-Nd1	2023.316	-0.20549	0.18233	-1.127	0.259742	0.855875
ENSMUSG0Grcc10	123.1471	-0.17174	0.154224	-1.11359	0.265456	0.855875
ENSMUSG0Trappc2	104.9793	-0.18031	0.163577	-1.1023	0.270331	0.855875
ENSMUSG0Gm12895	19703.63	0.18252	0.163393	1.117056	0.26397	0.855875
ENSMUSG0Gm12896	19703.37	0.182526	0.163394	1.117091	0.263956	0.855875
ENSMUSG0Shkbp1	137.7	-0.1712	0.153269	-1.117	0.263993	0.855875
ENSMUSG0Rpph1	725.8191	-0.20057	0.177814	-1.12797	0.259331	0.855875
ENSMUSG0Gm12895	19703.82	0.182527	0.163394	1.117094	0.263954	0.855875
ENSMUSG0Celf2	276.8052	0.136536	0.124238	1.098987	0.271774	0.857257
ENSMUSG0Bach2	286.4368	-0.15066	0.137023	-1.09955	0.271528	0.857257
ENSMUSG0Usp48	239.28	0.165175	0.150256	1.09929	0.271642	0.857257
ENSMUSG0Strn4	413.0476	0.153291	0.139532	1.098606	0.27194	0.857318
ENSMUSG0Ccnt1	482.6873	0.137225	0.124984	1.097935	0.272233	0.857776
ENSMUSG0Elov1	298.8005	0.161082	0.147262	1.093847	0.274022	0.85822
ENSMUSG0Actn1	270.779	-0.13831	0.126475	-1.09358	0.274141	0.85822
ENSMUSG0Unc79	218.4148	-0.14379	0.131443	-1.09396	0.273973	0.85822
ENSMUSG0Spin1	119.0936	-0.16611	0.151826	-1.09409	0.273916	0.85822
ENSMUSG0Stip1	175.7068	-0.16779	0.153342	-1.09419	0.273872	0.85822
ENSMUSG04833439L1	215.2393	-0.15921	0.145402	-1.09497	0.273532	0.85822
ENSMUSG0Kdm4a	112.3735	-0.16938	0.154849	-1.09383	0.27403	0.85822
ENSMUSG0Baz2a	528.7001	0.111729	0.101985	1.09555	0.273276	0.85822
ENSMUSG0Ankrd13a	185.5774	0.150299	0.1374	1.093879	0.274008	0.85822
ENSMUSG0B230219D2	279.96	-0.14426	0.131587	-1.09631	0.272944	0.85822
ENSMUSG0Rnf31	146.8307	0.173035	0.157925	1.095679	0.273219	0.85822
ENSMUSG0Tonsl	313.5309	-0.13494	0.123005	-1.09703	0.272629	0.85822
ENSMUSG0Xbp1	572.5441	-0.11278	0.10341	-1.09066	0.275424	0.858579
ENSMUSG0Cox14	127.5015	0.167115	0.153266	1.090353	0.275558	0.858579
ENSMUSG0Gigyf1	848.3836	0.127031	0.116245	1.092786	0.274488	0.858579
ENSMUSG0Gfpt1	719.7396	0.127338	0.116664	1.091493	0.275056	0.858579
ENSMUSG0Ddx19b	141.8289	0.15825	0.14505	1.091006	0.27527	0.858579
ENSMUSG0B3galt2	108.1042	-0.18345	0.168058	-1.09158	0.275016	0.858579
ENSMUSG0Vps13c	613.9186	-0.12844	0.117806	-1.0903	0.275582	0.858579
ENSMUSG0Zfp445	222.126	-0.15169	0.138944	-1.09173	0.274951	0.858579
ENSMUSG0Wdr61	168.9325	-0.1595	0.146155	-1.09129	0.275144	0.858579
ENSMUSG0lqgap2	303.4681	-0.14856	0.136335	-1.08969	0.27585	0.858953
ENSMUSG0Ppp2r5e	117.6142	-0.17181	0.157846	-1.08847	0.276386	0.859704

ENSMUSG0 Dap3	130.5154	-0.16556	0.152081	-1.08861	0.276324	0.859704
ENSMUSG0 Arl5b	221.8594	-0.1485	0.136552	-1.08752	0.276807	0.859718
ENSMUSG0 Rock2	178.2604	-0.1532	0.140879	-1.08746	0.276833	0.859718
ENSMUSG0 L3mbtl2	124.5166	0.170819	0.157017	1.087901	0.276639	0.859718
ENSMUSG0 Sart3	103.7347	-0.1805	0.166075	-1.08686	0.2771	0.860089
ENSMUSG0 Oxtr	291.0309	-0.14061	0.129414	-1.08652	0.277251	0.860097
ENSMUSG0 Scap	207.7942	-0.14373	0.132379	-1.08575	0.277591	0.860695
ENSMUSG0 Kctd20	456.9913	-0.1271	0.117339	-1.08315	0.27874	0.861049
ENSMUSG0 Pqlc2	207.2918	-0.15321	0.141353	-1.08391	0.278406	0.861049
ENSMUSG0 S100a10	177.8612	-0.17375	0.16035	-1.08358	0.278551	0.861049
ENSMUSG0 Fbxo28	276.9121	-0.15112	0.139325	-1.08466	0.278072	0.861049
ENSMUSG0 Scg2	3241.121	-0.12579	0.116107	-1.08336	0.27865	0.861049
ENSMUSG0 Prdm2	284.8787	-0.14741	0.136009	-1.08386	0.278427	0.861049
ENSMUSG0 Hmgcs1	852.8746	0.113062	0.104228	1.084765	0.278026	0.861049
ENSMUSG0 Ccdc88a	209.6896	-0.1455	0.134451	-1.08215	0.279185	0.861967
ENSMUSG0 Eif3k	160.8468	-0.15495	0.14328	-1.08143	0.279505	0.862499
ENSMUSG0 Gpaa1	647.2676	-0.11976	0.110854	-1.08034	0.279993	0.862633
ENSMUSG0 Stmn3	160.1921	0.158523	0.146719	1.080453	0.27994	0.862633
ENSMUSG0 Macf1	1152.858	-0.10601	0.098099	-1.0806	0.279874	0.862633
ENSMUSG0 Trappc12	325.585	-0.13946	0.129186	-1.07951	0.280359	0.863279
ENSMUSG0 Cxadr	187.2477	0.157953	0.146632	1.077211	0.281386	0.863279
ENSMUSG0 Atl3	536.8366	-0.12798	0.118754	-1.07771	0.281161	0.863279
ENSMUSG0 Chac1	276.7946	-0.15648	0.145068	-1.07864	0.280748	0.863279
ENSMUSG0 Zfyve9	123.5611	-0.17263	0.160181	-1.07773	0.281155	0.863279
ENSMUSG0 Rps16	236.9391	-0.17329	0.160605	-1.079	0.280589	0.863279
ENSMUSG0 Fto	208.8977	-0.14451	0.134157	-1.07721	0.281388	0.863279
ENSMUSG0 Tacc1	175.8568	0.165339	0.153313	1.078437	0.280839	0.863279
ENSMUSG0 Fxr2	335.8087	0.129567	0.120398	1.076152	0.281859	0.86427
ENSMUSG0 Ap3b1	170.4968	-0.14928	0.138786	-1.07562	0.282098	0.86428
ENSMUSG0 Klhdc3	1071.375	-0.11166	0.103825	-1.07548	0.282159	0.86428
ENSMUSG0 Cenpx	128.567	-0.17394	0.162082	-1.07319	0.283186	0.865647
ENSMUSG0 Trappc4	1401.955	0.11293	0.105198	1.0735	0.283047	0.865647
ENSMUSG0 Uspl1	292.526	-0.13683	0.127539	-1.07283	0.283349	0.865647
ENSMUSG0 Urm1	251.5635	-0.15686	0.146098	-1.07365	0.282981	0.865647
ENSMUSG0 Rpl41	706.2359	-0.11661	0.108683	-1.07289	0.283319	0.865647
ENSMUSG0 Rpl18	562.3569	0.133819	0.124779	1.072453	0.283517	0.865707
ENSMUSG0 Hdgf	184.4492	0.157422	0.147356	1.068309	0.285381	0.866405
ENSMUSG0 Fbxw11	223.7309	-0.14833	0.138789	-1.06877	0.285173	0.866405
ENSMUSG0 Cnnm1	116.4804	-0.16725	0.1563	-1.07006	0.284592	0.866405
ENSMUSG0 Stx16	206.2143	-0.1714	0.160231	-1.0697	0.284755	0.866405
ENSMUSG0 Sf3a3	125.0283	0.163222	0.152481	1.070444	0.284419	0.866405
ENSMUSG0 Plpp5	146.2932	-0.16206	0.151556	-1.06933	0.284922	0.866405
ENSMUSG0 Rnf10	410.0183	0.160726	0.150367	1.068893	0.285118	0.866405
ENSMUSG0 Tmem178b	114.8452	-0.16409	0.153579	-1.06843	0.285329	0.866405
ENSMUSG0 U2af1	184.0599	0.150711	0.141016	1.06875	0.285182	0.866405
ENSMUSG0 Cnnm2	154.9637	-0.15346	0.143257	-1.0712	0.28408	0.866405
ENSMUSG0 mt-Nd6	635.9973	-0.14356	0.133983	-1.07152	0.283936	0.866405
ENSMUSG0 Nedd1	118.8474	-0.17748	0.166378	-1.0667	0.286107	0.867705
ENSMUSG0 Dnajc6	274.2787	0.149223	0.139866	1.066901	0.286017	0.867705
ENSMUSG0 Ptpn11	984.7106	0.107925	0.101236	1.066068	0.286393	0.867757
ENSMUSG0 Cbx6	1272.672	0.093346	0.087567	1.066003	0.286422	0.867757
ENSMUSG0 Srpk1	411.905	0.154124	0.145052	1.062539	0.287991	0.868565

ENSMUSG0 Ubqln1	350.1574	-0.13611	0.127884	-1.06432	0.287184	0.868565
ENSMUSG0 Gga3	403.028	0.149301	0.140292	1.064216	0.287231	0.868565
ENSMUSG0 Chaf1b	121.4512	-0.16265	0.153056	-1.06271	0.287915	0.868565
ENSMUSG0 Tm9sf2	853.6148	-0.11048	0.103832	-1.06398	0.287336	0.868565
ENSMUSG0 Ppp1r7	191.2329	0.160287	0.150536	1.064779	0.286976	0.868565
ENSMUSG0 Atp2a2	7352.446	0.089114	0.083876	1.062452	0.288031	0.868565
ENSMUSG0 Cfap20	226.7053	-0.1539	0.144699	-1.06357	0.287524	0.868565
ENSMUSG0 Aplp2	668.4374	-0.12477	0.11739	-1.06283	0.28786	0.868565
ENSMUSG0 Exoc7	107.1141	0.180825	0.170492	1.060606	0.288869	0.868875
ENSMUSG0 Skil	347.17	-0.13441	0.126598	-1.06171	0.288368	0.868875
ENSMUSG0 Toe1	119.8072	-0.16556	0.156077	-1.06077	0.288792	0.868875
ENSMUSG0 Dock4	158.7034	-0.15439	0.145618	-1.06026	0.289029	0.868875
ENSMUSG0 Cnep1r1	129.7023	-0.16958	0.159856	-1.06082	0.288771	0.868875
ENSMUSG0 Zbtb44	130.3933	0.161563	0.152336	1.06057	0.288885	0.868875
ENSMUSG0 Lsm12	240.3031	-0.15542	0.146744	-1.05912	0.289544	0.869491
ENSMUSG0 Saraf	665.0788	0.109059	0.103033	1.058494	0.28983	0.869491
ENSMUSG0 Ptov1	186.5897	0.152729	0.144254	1.058748	0.289715	0.869491
ENSMUSG0 Mthfd1l	234.5037	0.139282	0.131476	1.059368	0.289432	0.869491
ENSMUSG0 Snx18	157.0787	-0.14985	0.141828	-1.05655	0.290716	0.871699
ENSMUSG0 Ska2	463.8696	-0.12548	0.118896	-1.05534	0.29127	0.872461
ENSMUSG0 Wbp2	219.4974	-0.1562	0.147988	-1.05547	0.291211	0.872461
ENSMUSG0 Map4k3	151.888	-0.16595	0.157387	-1.05442	0.291692	0.873278
ENSMUSG0 Slc25a16	208.6925	0.144027	0.136674	1.053799	0.291975	0.873676
ENSMUSG0 Ube2g2	308.1468	-0.12776	0.121318	-1.05313	0.292279	0.874137
ENSMUSG0 Slc45a4	117.0745	0.171298	0.162752	1.05251	0.292565	0.874544
ENSMUSG0 Cited2	161.9256	-0.15974	0.151872	-1.05178	0.2929	0.875096
ENSMUSG0 Hist1h1a	164.7342	-0.14907	0.141813	-1.05114	0.293192	0.875519
ENSMUSG0 Dyrk1b	116.1519	-0.16781	0.159755	-1.05044	0.293515	0.875963
ENSMUSG0 Raver1	316.4155	-0.1411	0.134441	-1.04951	0.293942	0.875963
ENSMUSG0 Ankrd40	188.3238	0.153355	0.146102	1.049642	0.293883	0.875963
ENSMUSG0 Mfsd13a	130.0248	0.158837	0.151302	1.049802	0.293809	0.875963
ENSMUSG0 Gpatch8	237.9989	-0.15465	0.147419	-1.04907	0.294148	0.876128
ENSMUSG0 Pgpep1	137.0328	0.184747	0.176363	1.047538	0.294852	0.877775
ENSMUSG0 Srm	503.2406	-0.13096	0.125177	-1.04624	0.295452	0.878384
ENSMUSG0 Smad1	130.8645	-0.15451	0.147779	-1.04552	0.29578	0.878384
ENSMUSG0 Sipal1l	308.3936	-0.13828	0.132265	-1.04546	0.29581	0.878384
ENSMUSG0 Gigyf2	280.9256	-0.14874	0.142207	-1.04594	0.295587	0.878384
ENSMUSG0 Ccnf	2210.442	-0.12046	0.115133	-1.04624	0.295449	0.878384
ENSMUSG0 Nucks1	785.178	0.105417	0.100868	1.0451	0.295977	0.878431
ENSMUSG0 Jade3	136.9473	-0.1599	0.153142	-1.04416	0.296413	0.879277
ENSMUSG0 Hcn4	255.2952	0.133023	0.127516	1.043186	0.296862	0.879303
ENSMUSG0 Ckap2	139.6165	-0.1644	0.157602	-1.04316	0.296874	0.879303
ENSMUSG0 Numa1	323.9678	0.141151	0.135252	1.04362	0.296661	0.879303
ENSMUSG0 Sirpa	550.834	0.109609	0.105174	1.042169	0.297333	0.880216
ENSMUSG0 Abhd16a	142.7246	0.150616	0.145024	1.038561	0.299009	0.881615
ENSMUSG0 Rfx6	636.3012	-0.1318	0.126882	-1.03879	0.2989	0.881615
ENSMUSG0 Ylpm1	298.2375	-0.13229	0.127403	-1.03833	0.299117	0.881615
ENSMUSG0 Dyrk1a	947.2786	-0.12334	0.118829	-1.03798	0.299279	0.881615
ENSMUSG0 Ski	207.8648	-0.13721	0.132001	-1.03946	0.298593	0.881615
ENSMUSG0 Arpc1a	324.1961	-0.13225	0.127261	-1.03922	0.298704	0.881615
ENSMUSG0 Tmcc1	326.5976	0.168522	0.162111	1.03955	0.298549	0.881615
ENSMUSG0 Dynlt3	186.3428	-0.17186	0.165532	-1.03826	0.299151	0.881615

ENSMUSG0 Socs5	114.2842	0.162608	0.156671	1.037894	0.299319	0.881615
ENSMUSG0 Dpp6	107.7498	0.171744	0.165144	1.039962	0.298357	0.881615
ENSMUSG0 Cabp1	166.1239	0.14777	0.142578	1.036418	0.300007	0.882302
ENSMUSG0 Gtf2i	343.2618	-0.12886	0.124306	-1.03667	0.299888	0.882302
ENSMUSG0 Fam174b	316.6184	0.131464	0.126795	1.036826	0.299817	0.882302
ENSMUSG0 Dnajb11	334.838	-0.13374	0.129313	-1.03425	0.301019	0.88243
ENSMUSG0 Plod3	273.8789	0.140408	0.136201	1.030889	0.302593	0.88243
ENSMUSG0 Nelfb	148.4215	0.153438	0.148773	1.031357	0.302374	0.88243
ENSMUSG0 Sep-10	119.4841	-0.16467	0.159688	-1.0312	0.302448	0.88243
ENSMUSG0 Ccdc127	180.7385	-0.15058	0.145963	-1.03161	0.302256	0.88243
ENSMUSG0 Zc3h13	110.628	0.162325	0.156881	1.034701	0.300808	0.88243
ENSMUSG0 Mylk	113.617	-0.15953	0.154528	-1.0324	0.301886	0.88243
ENSMUSG0 Ivns1abp	287.6865	-0.13118	0.126937	-1.0334	0.301415	0.88243
ENSMUSG0 Shisa5	251.5992	-0.14711	0.142714	-1.03082	0.302625	0.88243
ENSMUSG0 Rab40c	159.2624	0.150146	0.145362	1.032909	0.301646	0.88243
ENSMUSG0 Etfdh	170.234	0.14629	0.141375	1.034767	0.300778	0.88243
ENSMUSG0 Slc4a2	216.806	0.14607	0.141306	1.033715	0.301269	0.88243
ENSMUSG0 Herpud1	466.193	-0.1298	0.125714	-1.03248	0.301845	0.88243
ENSMUSG0 Cables2	116.0774	-0.15964	0.154359	-1.03424	0.301025	0.88243
ENSMUSG0 Lhfp14	494.74	0.122417	0.118687	1.031423	0.302342	0.88243
ENSMUSG0 Trappc9	241.2613	-0.13817	0.133964	-1.03137	0.302366	0.88243
ENSMUSG0 Scoc	218.3486	-0.15058	0.145851	-1.03244	0.301866	0.88243
ENSMUSG0 Zfp316	113.6566	0.172204	0.167178	1.030062	0.302981	0.883025
ENSMUSG0 Galns	269.662	-0.14683	0.142895	-1.02754	0.304167	0.883578
ENSMUSG0 Nudt4	155.0863	-0.1528	0.148769	-1.02708	0.304384	0.883578
ENSMUSG0 Akr1c12	138.0638	0.157788	0.153358	1.028885	0.303533	0.883578
ENSMUSG0 Gdap1	189.402	-0.14627	0.142291	-1.02799	0.303953	0.883578
ENSMUSG0 Gse1	1217.767	0.094068	0.091432	1.028834	0.303558	0.883578
ENSMUSG0 Maneal	419.8225	-0.13985	0.136124	-1.02736	0.30425	0.883578
ENSMUSG0 Maml1	117.5338	-0.16615	0.161588	-1.02824	0.303836	0.883578
ENSMUSG0 D17Wsu92i	175.0473	0.144189	0.14022	1.02831	0.303804	0.883578
ENSMUSG0 Ifrd2	133.4155	0.153092	0.149673	1.022844	0.306382	0.883593
ENSMUSG0 Cdk1	203.0979	-0.15056	0.146679	-1.02649	0.304663	0.883593
ENSMUSG0 Krt7	507.3908	0.122328	0.119471	1.023915	0.305875	0.883593
ENSMUSG0 Imp4	121.325	0.169489	0.165339	1.025098	0.305317	0.883593
ENSMUSG0 Rrbp1	642.2018	0.112626	0.110244	1.021609	0.306966	0.883593
ENSMUSG0 Sec22b	130.303	0.156809	0.153457	1.021843	0.306855	0.883593
ENSMUSG0 Cbx3	363.9554	-0.13184	0.129072	-1.02146	0.307039	0.883593
ENSMUSG0 Npat	180.5331	-0.14624	0.14278	-1.02423	0.305728	0.883593
ENSMUSG0 Gde1	269.584	-0.12944	0.126231	-1.02544	0.305157	0.883593
ENSMUSG0 Zswim4	131.4847	0.152832	0.149647	1.021286	0.307119	0.883593
ENSMUSG0 Usp38	539.798	-0.11973	0.117181	-1.02175	0.306898	0.883593
ENSMUSG0 Rbm7	161.4025	0.165675	0.161917	1.023208	0.30621	0.883593
ENSMUSG0 Ipmk	474.7192	0.120235	0.117228	1.02565	0.305057	0.883593
ENSMUSG0 Hnnpnr	160.7305	-0.15262	0.149107	-1.02359	0.306029	0.883593
ENSMUSG0 Cenpb	730.8901	0.104851	0.102538	1.022551	0.30652	0.883593
ENSMUSG0 Dazap1	168.9933	-0.16455	0.161078	-1.02158	0.30698	0.883593
ENSMUSG0 Vps25	257.4237	-0.13685	0.13347	-1.0253	0.305219	0.883593
ENSMUSG0 Eif5a	456.702	-0.12973	0.126577	-1.02493	0.305395	0.883593
ENSMUSG0 Brd1	371.1724	0.137576	0.134786	1.020702	0.307396	0.883953
ENSMUSG0 Zbtb4	136.522	0.158603	0.155542	1.019679	0.307881	0.884293
ENSMUSG0 Ctsb	1064.158	-0.11254	0.110389	-1.01949	0.30797	0.884293

ENSMUSG0Wrb	199.7469	0.141116	0.138335	1.020105	0.307679	0.884293
ENSMUSG0Tpr	414.6377	-0.13661	0.134255	-1.01757	0.308882	0.884735
ENSMUSG0Id3	308.3296	0.123185	0.12166	1.012536	0.311282	0.884735
ENSMUSG0Slc12a5	125.9723	-0.1697	0.168383	-1.00784	0.313533	0.884735
ENSMUSG0Vezf1	128.5523	-0.16474	0.16295	-1.011	0.312017	0.884735
ENSMUSG0Egfr	206.1336	-0.14376	0.141544	-1.01563	0.309806	0.884735
ENSMUSG0Ddc	1200.495	-0.09596	0.095162	-1.00842	0.313255	0.884735
ENSMUSG0Hcn2	278.6502	-0.13977	0.137847	-1.01394	0.310613	0.884735
ENSMUSG0Mapk9	122.5221	-0.15784	0.155939	-1.01221	0.311436	0.884735
ENSMUSG0Cdhr1	1103.498	-0.12705	0.125342	-1.01366	0.310745	0.884735
ENSMUSG0Rangap1	479.5439	0.114148	0.112352	1.015983	0.309637	0.884735
ENSMUSG0Naa50	202.7777	-0.13574	0.134738	-1.00747	0.313709	0.884735
ENSMUSG0Kpna1	307.969	-0.12015	0.118768	-1.0116	0.31173	0.884735
ENSMUSG0Pim1	689.0535	-0.11165	0.110217	-1.01299	0.311064	0.884735
ENSMUSG0Map3k2	228.2128	-0.13936	0.137275	-1.01521	0.310006	0.884735
ENSMUSG0Fam120c	156.3651	-0.14351	0.142407	-1.00777	0.313567	0.884735
ENSMUSG0Shmt2	190.7413	-0.14909	0.146551	-1.01732	0.309002	0.884735
ENSMUSG0Alkbh8	145.0009	-0.15707	0.155693	-1.00887	0.313037	0.884735
ENSMUSG0Yme111	866.6784	-0.11834	0.116816	-1.01308	0.311022	0.884735
ENSMUSG0Nop10	650.9226	-0.17957	0.17682	-1.01554	0.309849	0.884735
ENSMUSG0Ampd2	486.5157	0.110653	0.109576	1.009829	0.312577	0.884735
ENSMUSG0Rnf20	133.5014	-0.1492	0.14799	-1.00817	0.313373	0.884735
ENSMUSG0Epha5	176.4146	0.154485	0.152844	1.010738	0.312142	0.884735
ENSMUSG0Eif2ak1	104.8284	-0.16261	0.160355	-1.01407	0.310549	0.884735
ENSMUSG0Cog8	140.8485	0.157517	0.15542	1.013494	0.310824	0.884735
ENSMUSG0Sprtn	172.8766	-0.14055	0.137964	-1.01872	0.308334	0.884735
ENSMUSG0Ogt	303.8592	-0.12891	0.127395	-1.01189	0.311591	0.884735
ENSMUSG0Chst11	865.1418	-0.11613	0.115275	-1.0074	0.313742	0.884735
ENSMUSG0Thoc2	169.5484	-0.1701	0.168191	-1.01133	0.311858	0.884735
ENSMUSG0Orai2	154.8508	0.147102	0.145264	1.01265	0.311228	0.884735
ENSMUSG0Ncoa5	103.4697	0.162267	0.160051	1.013844	0.310657	0.884735
ENSMUSG0Zfp608	122.3015	-0.1572	0.154491	-1.01751	0.308912	0.884735
ENSMUSG0Mbtd1	200.7262	0.155088	0.153331	1.011463	0.311795	0.884735
ENSMUSG0Marf1	325.8109	-0.1285	0.126941	-1.01228	0.311402	0.884735
ENSMUSG0Ube2n	137.5817	-0.16041	0.15916	-1.00784	0.313533	0.884735
ENSMUSG0Gm26809	145.9366	0.180728	0.178865	1.010419	0.312295	0.884735
ENSMUSG0Gm42418	2634390	-0.10086	0.100019	-1.00837	0.313277	0.884735
ENSMUSG0Vezf1	128.5523	-0.16474	0.16295	-1.01099	0.312019	0.884735
ENSMUSG0Tm9sf1	596.0385	0.11824	0.117455	1.006684	0.314087	0.885278
ENSMUSG02410002F2	105.8092	-0.16868	0.167803	-1.00524	0.314779	0.885761
ENSMUSG0Amigo1	317.5714	0.129071	0.128421	1.005064	0.314866	0.885761
ENSMUSG0Epc2	191.123	-0.1667	0.165834	-1.00521	0.314797	0.885761
ENSMUSG00610030E2	191.3497	-0.14346	0.142729	-1.00508	0.314856	0.885761
ENSMUSG0Fgfr2	304.8586	0.134998	0.134415	1.004334	0.315217	0.885893
ENSMUSG0Bub3	574.7936	-0.11314	0.11262	-1.0046	0.315092	0.885893
ENSMUSG0Eif4g3	302.2776	0.126206	0.125776	1.003415	0.315661	0.886294
ENSMUSG0Tex264	135.3605	0.158309	0.157821	1.003092	0.315816	0.886294
ENSMUSG0Fitm2	195.0892	0.13957	0.13913	1.003166	0.315781	0.886294
ENSMUSG0Psenen	1670.886	-0.10764	0.10738	-1.00243	0.316135	0.88659
ENSMUSG0Ncapd2	1443.653	-0.09706	0.096848	-1.00224	0.316226	0.88659
ENSMUSG0Capn10	306.7652	-0.12606	0.12582	-1.00189	0.316398	0.886646
ENSMUSG0Bcap31	433.3947	-0.11583	0.11609	-0.99772	0.318417	0.8868

ENSMUSG0Zdhhc24	227.1191	-0.1272	0.127857	-0.99485	0.319811	0.8868
ENSMUSG0Mvd	193.4982	0.137652	0.137705	0.999617	0.317496	0.8868
ENSMUSG0Lcorl	406.88	-0.14106	0.140975	-1.00061	0.317014	0.8868
ENSMUSG0PfkI	307.2692	0.131981	0.132633	0.995084	0.319695	0.8868
ENSMUSG0Pdcd4	261.6525	-0.12624	0.126857	-0.99515	0.319665	0.8868
ENSMUSG0Bpnt1	170.1672	-0.15022	0.150586	-0.99759	0.31848	0.8868
ENSMUSG0Gpd2	904.9514	-0.10654	0.106409	-1.00128	0.316692	0.8868
ENSMUSG0Rad51	113.3297	0.15735	0.158262	0.994239	0.320107	0.8868
ENSMUSG0Chgb	2520.317	0.086367	0.086491	0.998568	0.318004	0.8868
ENSMUSG0Abcb9	148.6372	0.144114	0.144668	0.99617	0.319167	0.8868
ENSMUSG0Tmem43	151.2483	0.147548	0.147644	0.999349	0.317625	0.8868
ENSMUSG0lpo5	465.1654	-0.11258	0.112793	-0.99809	0.318238	0.8868
ENSMUSG0Trib1	663.726	-0.11445	0.114598	-0.99873	0.317927	0.8868
ENSMUSG0Tmed7	252.7011	-0.12783	0.128176	-0.99731	0.318614	0.8868
ENSMUSG0Cnot4	110.9674	-0.15636	0.156479	-0.99921	0.317693	0.8868
ENSMUSG0Heatr5b	467.5838	-0.12263	0.123133	-0.99591	0.319295	0.8868
ENSMUSG0Znfx1	201.3092	0.136001	0.136178	0.998701	0.317939	0.8868
ENSMUSG0Myo9a	271.6846	-0.15836	0.159113	-0.99525	0.319616	0.8868
ENSMUSG0Socs3	275.5129	0.138213	0.138599	0.997215	0.31866	0.8868
ENSMUSG00610030E2	191.333	-0.14187	0.142674	-0.99434	0.320056	0.8868
ENSMUSG0Wdr6	585.2346	0.103993	0.103989	1.000034	0.317294	0.8868
ENSMUSG0Yipf3	193.9304	-0.13881	0.139355	-0.99611	0.319199	0.8868
ENSMUSG0Ak6	148.0818	-0.17158	0.172511	-0.99463	0.319917	0.8868
ENSMUSG0Atf2	175.3588	-0.14524	0.146179	-0.99356	0.320438	0.886874
ENSMUSG0Dnajc16	221.0588	0.139488	0.140387	0.993593	0.320421	0.886874
ENSMUSG0Pdyn	2115.96	-0.09041	0.091067	-0.99279	0.320812	0.887488
ENSMUSG0Elavl1	496.9951	-0.13796	0.139086	-0.99187	0.32126	0.888306
ENSMUSG0Ulk2	219.6904	-0.12999	0.131427	-0.98904	0.322645	0.888403
ENSMUSG0Eif4ebp2	290.2547	0.123134	0.124368	0.990079	0.322136	0.888403
ENSMUSG0Amz2	220.061	-0.13171	0.133063	-0.98983	0.322259	0.888403
ENSMUSG0Txndc11	508.0535	0.112165	0.113344	0.989597	0.322371	0.888403
ENSMUSG0Tmem59l	150.1286	-0.14246	0.143949	-0.98963	0.322355	0.888403
ENSMUSG0Gng12	4227.222	-0.17354	0.17547	-0.98899	0.322668	0.888403
ENSMUSG0Rab18	182.6632	-0.1406	0.141866	-0.99106	0.321654	0.888403
ENSMUSG0Ddi2	692.0467	-0.11316	0.114263	-0.99031	0.322022	0.888403
ENSMUSG0Tmsb10	122.8271	-0.16801	0.169732	-0.98987	0.322239	0.888403
ENSMUSG0St8sia5	114.8697	0.156948	0.159031	0.986901	0.323691	0.888702
ENSMUSG0Clp1	342.5547	-0.12274	0.12424	-0.98795	0.323176	0.888702
ENSMUSG0Gid8	136.7458	-0.15303	0.154955	-0.9876	0.323348	0.888702
ENSMUSG0Cyhr1	184.8633	0.14645	0.148161	0.988457	0.322929	0.888702
ENSMUSG0Ppm1b	546.4058	0.100845	0.102153	0.987192	0.323549	0.888702
ENSMUSG0Zfp131	225.5998	-0.14191	0.143718	-0.98742	0.323435	0.888702
ENSMUSG0Ranbp2	1111.053	-0.12128	0.123021	-0.98582	0.324223	0.889542
ENSMUSG0Atp5o	766.8808	-0.12871	0.130623	-0.98534	0.324455	0.889542
ENSMUSG0Adora1	115.695	-0.1556	0.157893	-0.98547	0.324392	0.889542
ENSMUSG0Arl2	271.6022	-0.14656	0.148841	-0.98469	0.324776	0.889585
ENSMUSG0Brip1os	180.9501	-0.14069	0.142849	-0.98489	0.324676	0.889585
ENSMUSG0Mkl2	231.034	-0.1633	0.166028	-0.98359	0.325315	0.889696
ENSMUSG0Surf4	1618.271	-0.09052	0.092019	-0.98371	0.32526	0.889696
ENSMUSG0Mettl9	180.2157	0.145023	0.147476	0.983365	0.325428	0.889696
ENSMUSG0Gnptg	129.1721	0.153351	0.155821	0.984149	0.325042	0.889696
ENSMUSG0Tmem231	123.9179	-0.15126	0.153968	-0.98242	0.325894	0.890552

ENSMUSG0Abhd4	185.043	-0.15028	0.153214	-0.98084	0.326673	0.891426
ENSMUSG0Ube2s	1295.744	-0.09329	0.095067	-0.98133	0.326429	0.891426
ENSMUSG0Btbdb9	140.5707	0.142828	0.145575	0.981131	0.326528	0.891426
ENSMUSG0Kpna3	187.2683	-0.15609	0.159312	-0.97978	0.327196	0.892438
ENSMUSG0Lsr	216.4436	-0.12879	0.131837	-0.97688	0.32863	0.893837
ENSMUSG0Tbrg1	165.5079	0.141512	0.144684	0.97808	0.328035	0.893837
ENSMUSG0Sdr39u1	115.2766	-0.15539	0.158949	-0.97759	0.328276	0.893837
ENSMUSG0Rnf2	155.5008	-0.16019	0.163855	-0.97766	0.328243	0.893837
ENSMUSG0Brd3	320.4334	-0.12195	0.124824	-0.97695	0.328595	0.893837
ENSMUSG0Zfand6	138.0376	-0.15117	0.154734	-0.97697	0.328584	0.893837
ENSMUSG0Mob3a	137.5889	-0.15185	0.156569	-0.96989	0.332103	0.894302
ENSMUSG0Tmem147	462.9337	-0.13447	0.138161	-0.97327	0.330421	0.894302
ENSMUSG0Fnbp4	167.1094	-0.14293	0.146727	-0.97414	0.329987	0.894302
ENSMUSG0Ppp1r12a	230.9829	-0.14209	0.146495	-0.96991	0.332092	0.894302
ENSMUSG0Txndc16	145.2394	0.145036	0.149031	0.973194	0.330457	0.894302
ENSMUSG0Sapcd2	163.3633	-0.14892	0.153379	-0.97091	0.331596	0.894302
ENSMUSG0Cenpa	160.0276	-0.14374	0.148152	-0.97019	0.331954	0.894302
ENSMUSG0Nfkbib	150.1391	0.153427	0.157985	0.971151	0.331473	0.894302
ENSMUSG0Mecp2	289.6333	0.128178	0.131475	0.974923	0.329598	0.894302
ENSMUSG0Copb2	425.576	0.108572	0.111961	0.969736	0.332178	0.894302
ENSMUSG0Zbtb7a	288.7497	0.124345	0.128167	0.97018	0.331957	0.894302
ENSMUSG0Rfx7	230.7465	0.149858	0.153695	0.975036	0.329542	0.894302
ENSMUSG0Prdm1	123.2059	-0.14892	0.152889	-0.97406	0.330028	0.894302
ENSMUSG0Sobp	253.3927	-0.12188	0.125468	-0.97141	0.331342	0.894302
ENSMUSG0Ncam1	1376.943	-0.10944	0.112384	-0.97379	0.330159	0.894302
ENSMUSG0Nemp1	173.9523	-0.14753	0.152126	-0.96977	0.332159	0.894302
ENSMUSG0Fam160a2	192.8486	0.13464	0.138415	0.972722	0.330692	0.894302
ENSMUSG0Mfsd5	197.4743	0.131099	0.134943	0.971515	0.331292	0.894302
ENSMUSG0Bhlha15	297.0253	0.124635	0.127773	0.975445	0.32934	0.894302
ENSMUSG0Safb	211.9423	0.13465	0.138462	0.97247	0.330817	0.894302
ENSMUSG0Usmg5	207.3043	-0.13559	0.139433	-0.97241	0.330849	0.894302
ENSMUSG0Hnrnpu	394.4005	0.112186	0.11558	0.970634	0.33173	0.894302
ENSMUSG0Tmem14c	194.8951	-0.14113	0.14579	-0.96806	0.333012	0.894575
ENSMUSG0Lmln	113.6249	-0.15819	0.163338	-0.96847	0.332812	0.894575
ENSMUSG0Kif12	119.9161	0.154411	0.159433	0.968502	0.332794	0.894575
ENSMUSG0Tmem109	738.4933	0.099877	0.10318	0.967995	0.333047	0.894575
ENSMUSG0Hnrnpu	394.4128	0.11184	0.115471	0.968549	0.332771	0.894575
ENSMUSG0Terf2	128.721	-0.14833	0.153418	-0.96686	0.333614	0.895047
ENSMUSG0Tbc1d9b	221.0492	0.131403	0.135914	0.966812	0.333638	0.895047
ENSMUSG0Ghitm	2038.743	-0.09403	0.097267	-0.9667	0.333692	0.895047
ENSMUSG0B4galt3	158.281	-0.14049	0.145376	-0.96641	0.333838	0.895047
ENSMUSG0Ndufb9	220.2207	-0.13932	0.144291	-0.96554	0.334274	0.895392
ENSMUSG0Atpaf1	269.7477	-0.12513	0.129567	-0.96573	0.334179	0.895392
ENSMUSG0Oxa1l	183.9729	-0.14383	0.149168	-0.96425	0.334921	0.896459
ENSMUSG0Jup	388.3487	-0.11572	0.120115	-0.9634	0.335345	0.896459
ENSMUSG0Cand1	430.7016	-0.11673	0.121107	-0.96388	0.335106	0.896459
ENSMUSG0Dusp4	236.8357	-0.12389	0.128664	-0.96291	0.335595	0.896459
ENSMUSG0Spata2	797.7198	-0.11374	0.118076	-0.96326	0.335419	0.896459
ENSMUSG0Per2	1305.026	-0.12284	0.127545	-0.96314	0.335476	0.896459
ENSMUSG0Vrk3	115.1029	-0.14906	0.155096	-0.96108	0.336511	0.897671
ENSMUSG0Ppm1f	174.6729	-0.13543	0.140892	-0.96121	0.336445	0.897671
ENSMUSG0Ssr3	241.6762	-0.13716	0.142678	-0.9613	0.336403	0.897671

ENSMUSG0Xpo5	171.8361	-0.13745	0.14309	-0.96057	0.336769	0.897949
ENSMUSG0Fzd8	119.1589	-0.14495	0.151063	-0.95956	0.337279	0.897968
ENSMUSG0Prcc2b	983.3503	0.098945	0.10314	0.959329	0.337393	0.897968
ENSMUSG0R3hdm1	239.7415	-0.14202	0.147935	-0.96003	0.337042	0.897968
ENSMUSG0Arhgap35	425.5197	-0.11079	0.115436	-0.95973	0.337193	0.897968
ENSMUSG0Arcn1	487.5968	0.103906	0.108383	0.958695	0.337713	0.89815
ENSMUSG0Zfp113	128.3652	0.15527	0.161979	0.958581	0.33777	0.89815
ENSMUSG0Slc25a46	221.6319	0.134028	0.139902	0.95801	0.338058	0.898506
ENSMUSG0Ctr9	276.582	-0.12895	0.134709	-0.95723	0.338454	0.898738
ENSMUSG0Chml	141.2104	-0.14521	0.151687	-0.9573	0.338414	0.898738
ENSMUSG0Agpat3	957.266	0.098139	0.102664	0.955925	0.33911	0.899323
ENSMUSG0Tmem110	109.1796	0.148181	0.155022	0.955871	0.339137	0.899323
ENSMUSG0Dyrk2	239.1862	0.121967	0.127574	0.956046	0.339049	0.899323
ENSMUSG0Cnot11	243.8006	-0.13703	0.14351	-0.95487	0.339642	0.899343
ENSMUSG0Trim28	474.2542	0.111036	0.116366	0.954204	0.339981	0.899343
ENSMUSG0Pigu	221.4619	-0.14794	0.155063	-0.95409	0.340039	0.899343
ENSMUSG0Rbbp4	489.4926	-0.12593	0.131848	-0.95509	0.339534	0.899343
ENSMUSG0Srp54c	343.6192	-0.12653	0.132629	-0.95403	0.340071	0.899343
ENSMUSG0Gm23262	702.385	-0.1674	0.175321	-0.95483	0.339665	0.899343
ENSMUSG0Snx3	136.836	-0.15299	0.160466	-0.95341	0.340383	0.899352
ENSMUSG0Srp68	265.2326	0.123193	0.129186	0.953613	0.34028	0.899352
ENSMUSG0Zfp687	169.9068	0.149906	0.157322	0.952862	0.34066	0.899676
ENSMUSG0Agtpbp1	171.1778	0.156584	0.164567	0.951489	0.341356	0.900259
ENSMUSG0Ttll4	556.7069	-0.13189	0.138663	-0.95114	0.341535	0.900259
ENSMUSG0Lonp1	141.5426	0.14218	0.14952	0.950904	0.341653	0.900259
ENSMUSG0Atf4	493.483	-0.11413	0.119931	-0.95164	0.341279	0.900259
ENSMUSG0583041711C	114.4615	-0.15687	0.164876	-0.95145	0.341376	0.900259
ENSMUSG0Naglu	439.9847	-0.10818	0.114183	-0.94739	0.343442	0.901223
ENSMUSG0Elavl3	282.988	-0.12202	0.128742	-0.94781	0.343229	0.901223
ENSMUSG0Map2k1	113.5909	-0.1437	0.152179	-0.94426	0.345038	0.901223
ENSMUSG0Cdk4	409.0864	-0.1047	0.110901	-0.94408	0.34513	0.901223
ENSMUSG0Tbp	120.6189	-0.15899	0.168461	-0.94381	0.345268	0.901223
ENSMUSG0Srf	146.1839	0.140493	0.14862	0.945321	0.344495	0.901223
ENSMUSG0Hmbox1	152.8927	-0.13701	0.144662	-0.94709	0.343592	0.901223
ENSMUSG0Pigp	158.7539	-0.14836	0.156609	-0.94733	0.343471	0.901223
ENSMUSG0Nrxn1	115.1571	0.153376	0.161773	0.948092	0.343082	0.901223
ENSMUSG0Tjp2	122.9282	-0.15002	0.158045	-0.94925	0.342493	0.901223
ENSMUSG0Rplp2	195.3407	0.134888	0.142772	0.944778	0.344772	0.901223
ENSMUSG0Atf6	301.6374	-0.12067	0.127454	-0.94678	0.343753	0.901223
ENSMUSG0Rab14	407.2675	-0.11618	0.122773	-0.94631	0.343989	0.901223
ENSMUSG0Tnik	104.5355	0.163674	0.173237	0.944799	0.344762	0.901223
ENSMUSG0Zhx3	424.8502	0.109306	0.115466	0.946654	0.343815	0.901223
ENSMUSG0Cab39	186.3015	0.134134	0.141218	0.949843	0.342192	0.901223
ENSMUSG0Phlpp1	124.3869	0.161775	0.170568	0.948452	0.342899	0.901223
ENSMUSG0Nap1l5	403.0984	0.118101	0.125127	0.943851	0.345246	0.901223
ENSMUSG0Arid1b	355.7771	-0.11563	0.122009	-0.94774	0.343262	0.901223
ENSMUSG0Tbpl1	207.2532	-0.15159	0.160345	-0.94539	0.344462	0.901223
ENSMUSG0Gm42428	146.076	-0.1482	0.156884	-0.94463	0.344846	0.901223
ENSMUSG0Stmn1	554.9877	-0.10283	0.109	-0.94343	0.345461	0.901324
ENSMUSG0Dag1	464.4665	0.107068	0.113628	0.942272	0.346053	0.902465
ENSMUSG0Eme2	124.2606	0.149177	0.158378	0.941904	0.346242	0.902552
ENSMUSG0Suds3	112.263	0.149666	0.158986	0.941383	0.346509	0.902844

ENSMUSG0 Rint1	174.0859	0.135234	0.143761	0.940682	0.346868	0.903377
ENSMUSG0 Zc3hav1	174.394	-0.14118	0.150148	-0.94024	0.347094	0.903562
ENSMUSG0 Gramd1a	285.789	0.116127	0.123702	0.938767	0.34785	0.903696
ENSMUSG0 Ttl12	118.6595	-0.14692	0.156463	-0.939	0.347731	0.903696
ENSMUSG0 Ankle2	147.832	-0.144	0.153384	-0.93879	0.347839	0.903696
ENSMUSG0 Npy	764.3249	-0.10835	0.115413	-0.93876	0.347852	0.903696
ENSMUSG0 Polr3k	114.6926	0.148234	0.157927	0.938629	0.347922	0.903696
ENSMUSG0 Npas3	128.5254	-0.14524	0.154799	-0.93824	0.348122	0.903815
ENSMUSG0 Gm10052	136.379	0.169568	0.180943	0.937134	0.34869	0.904885
ENSMUSG0 Usp1	401.1494	0.119862	0.128073	0.935884	0.349333	0.906151
ENSMUSG0 Add1	346.068	-0.11691	0.124974	-0.9355	0.349529	0.906255
ENSMUSG0 Ssu72	106.8017	0.146185	0.156411	0.934622	0.349983	0.906582
ENSMUSG0 Atp6ap2	763.2908	-0.09969	0.106686	-0.93444	0.350079	0.906582
ENSMUSG0 Ckap5	488.7805	-0.10805	0.115642	-0.93435	0.350122	0.906582
ENSMUSG0 Drg1	222.2777	-0.12602	0.134967	-0.93372	0.35045	0.906909
ENSMUSG0 Dus1l	197.8715	0.128634	0.137843	0.933196	0.350719	0.906909
ENSMUSG0 Phip	608.2686	-0.09547	0.102331	-0.9329	0.350871	0.906909
ENSMUSG0 Rap1gap2	934.7846	0.089267	0.095684	0.932928	0.350857	0.906909
ENSMUSG0 Lpcat3	1523.087	0.093442	0.100725	0.927693	0.353567	0.906999
ENSMUSG0 Anapc1	666.8671	-0.12449	0.134119	-0.92821	0.353298	0.906999
ENSMUSG0 Elmo2	258.6516	0.122585	0.132276	0.92674	0.354062	0.906999
ENSMUSG0 Hspa4	302.3586	0.11299	0.121641	0.92888	0.352951	0.906999
ENSMUSG0 Acaca	356.7148	0.118041	0.12701	0.92938	0.352692	0.906999
ENSMUSG0 Ywhaz	1501.464	-0.08469	0.091423	-0.92633	0.354277	0.906999
ENSMUSG0 Rfc2	208.8167	0.12297	0.131995	0.931625	0.351531	0.906999
ENSMUSG0 Abcg1	1180.537	0.091645	0.098828	0.927324	0.353758	0.906999
ENSMUSG0 Hnrnp1l	212.5007	-0.12387	0.133262	-0.92953	0.352616	0.906999
ENSMUSG0 Ndufv2	141.5058	-0.14845	0.160006	-0.9278	0.35351	0.906999
ENSMUSG0 Ddb1	750.462	-0.09704	0.104308	-0.93034	0.352193	0.906999
ENSMUSG0 Dcaf12	343.0137	-0.11891	0.128319	-0.92668	0.354093	0.906999
ENSMUSG0 Fuca1	165.3675	-0.14701	0.157977	-0.9306	0.352061	0.906999
ENSMUSG0 Pigg	121.5626	-0.15474	0.167097	-0.92605	0.354419	0.906999
ENSMUSG0 Afg3l1	165.3413	0.135697	0.14561	0.931921	0.351377	0.906999
ENSMUSG0 Tspan3	530.8427	-0.10328	0.110761	-0.93242	0.35112	0.906999
ENSMUSG0 Ctnnd1	253.8535	0.11845	0.127188	0.931299	0.351699	0.906999
ENSMUSG0 Eme1	122.6011	-0.14122	0.152176	-0.928	0.353408	0.906999
ENSMUSG0 Slx4	193.3168	-0.12427	0.134052	-0.92701	0.353922	0.906999
ENSMUSG0 Aida	246.4095	-0.1224	0.131747	-0.92909	0.352844	0.906999
ENSMUSG0 Acp1	111.0472	-0.15135	0.162432	-0.93177	0.351456	0.906999
ENSMUSG0 Zfp367	289.96	0.114029	0.123152	0.925922	0.354486	0.906999
ENSMUSG0 Haus5	154.0481	0.133008	0.143337	0.927941	0.353438	0.906999
ENSMUSG0 Pax6	540.7364	-0.11155	0.12058	-0.92511	0.354911	0.907686
ENSMUSG0 Aurkb	164.0726	-0.1336	0.144535	-0.92432	0.355318	0.90833
ENSMUSG0 Zfp638	249.966	0.121154	0.131213	0.923336	0.355832	0.909245
ENSMUSG0 Dhx16	121.467	0.155478	0.168485	0.9228	0.356111	0.909559
ENSMUSG0 Prpf4b	179.5886	-0.13606	0.147566	-0.922	0.356527	0.910222
ENSMUSG0 Kat5	126.7694	-0.14665	0.159154	-0.92142	0.356829	0.910297
ENSMUSG0 Jak1	331.0703	-0.11984	0.130075	-0.92135	0.356869	0.910297
ENSMUSG0 Abcc8	6856.427	-0.0871	0.094626	-0.92044	0.357342	0.911104
ENSMUSG0 Ubp1	176.7692	-0.14642	0.159475	-0.91816	0.358536	0.912546
ENSMUSG0 Cops6	240.1805	-0.14446	0.157693	-0.91609	0.359617	0.912546
ENSMUSG0 Tgds	152.5552	-0.13762	0.150135	-0.91664	0.35933	0.912546

ENSMUSG0 Golph3	244.0569	-0.12782	0.139519	-0.91618	0.359572	0.912546
ENSMUSG0 Cdc25b	1387.615	-0.08001	0.087107	-0.91856	0.358323	0.912546
ENSMUSG0 Polr2b	224.5993	-0.12765	0.139267	-0.91655	0.359377	0.912546
ENSMUSG0 Fem1c	313.2035	-0.12836	0.139909	-0.91742	0.358922	0.912546
ENSMUSG0 Suco	833.9293	-0.09169	0.099796	-0.91877	0.358218	0.912546
ENSMUSG0 Ncapg2	476.8073	-0.11175	0.121879	-0.91686	0.359216	0.912546
ENSMUSG02700081O1	111.7715	0.145606	0.158947	0.91607	0.35963	0.912546
ENSMUSG0 Hnrnpm	210.5563	0.126431	0.137818	0.917373	0.358947	0.912546
ENSMUSG0 Tiam1	186.1328	0.149483	0.163505	0.91424	0.360591	0.914188
ENSMUSG0 Scamp5	948.1109	-0.10098	0.110429	-0.91444	0.360484	0.914188
ENSMUSG0 Apc	442.4734	0.123453	0.135354	0.912079	0.361727	0.91421
ENSMUSG0 Mid1ip1	272.1533	0.130418	0.143049	0.911706	0.361924	0.91421
ENSMUSG0 Ttl	171.3639	-0.12881	0.14115	-0.91256	0.361474	0.91421
ENSMUSG0 Eri2	166.8242	0.144248	0.158079	0.912504	0.361503	0.91421
ENSMUSG0 Cyb5b	588.3717	-0.10929	0.119781	-0.91242	0.361545	0.91421
ENSMUSG0 Nudt19	180.0528	-0.12479	0.136595	-0.91359	0.360932	0.91421
ENSMUSG0 Rabgap1	148.9141	0.130908	0.143613	0.911538	0.362012	0.91421
ENSMUSG0 Rnf38	319.4425	-0.12054	0.132213	-0.91168	0.361935	0.91421
ENSMUSG0 Rictor	271.4004	-0.1254	0.13739	-0.91273	0.361385	0.91421
ENSMUSG0 G2e3	682.989	-0.11738	0.128875	-0.9108	0.362401	0.914795
ENSMUSG0 Cttnbp2	215.6141	-0.12499	0.137473	-0.90922	0.363234	0.914916
ENSMUSG0 Atp6v1e1	236.5814	-0.12259	0.134814	-0.90932	0.36318	0.914916
ENSMUSG0 Mns1	162.1995	0.147709	0.16237	0.909709	0.362976	0.914916
ENSMUSG0 Igsf9b	407.8684	-0.1021	0.112168	-0.91025	0.362693	0.914916
ENSMUSG0 Ubn2	550.7403	-0.10283	0.113034	-0.90972	0.362971	0.914916
ENSMUSG0 Pik3r4	107.6174	0.14857	0.163482	0.908784	0.363464	0.915101
ENSMUSG0 Cldnd1	200.4532	-0.14035	0.154877	-0.90621	0.364822	0.916144
ENSMUSG0 Sepsecs	413.1913	-0.11556	0.127377	-0.90725	0.364274	0.916144
ENSMUSG0 Rnps1	174.9703	-0.1354	0.14937	-0.90651	0.364668	0.916144
ENSMUSG0 Ythdf1	169.5929	-0.14225	0.156961	-0.90625	0.364801	0.916144
ENSMUSG0 Epm2aip1	266.9404	-0.12325	0.136002	-0.90627	0.364792	0.916144
ENSMUSG0 Tcf19	266.9062	-0.1184	0.130654	-0.90623	0.364815	0.916144
ENSMUSG0 Ncaph2	326.9619	0.121785	0.13453	0.905265	0.365325	0.916694
ENSMUSG0 Tmem176b	268.3376	0.116719	0.129102	0.904088	0.365949	0.916694
ENSMUSG0 Inpp5f	218.6052	0.129698	0.143343	0.904806	0.365568	0.916694
ENSMUSG0 Hist1h1e	461.2328	-0.11226	0.124178	-0.90402	0.365985	0.916694
ENSMUSG0 Mex3b	130.0524	-0.14327	0.158367	-0.90466	0.365643	0.916694
ENSMUSG0 Rpl15-ps3	172.3562	-0.13189	0.14582	-0.9045	0.365732	0.916694
ENSMUSG0 Trio	774.2451	-0.10474	0.1159	-0.90368	0.366165	0.916749
ENSMUSG0 Tbk1	182.647	-0.12841	0.142216	-0.9029	0.366578	0.916995
ENSMUSG0 Tmem248	186.4042	-0.12753	0.141221	-0.90302	0.366517	0.916995
ENSMUSG0 Tuba1c	556.144	-0.10293	0.114075	-0.90229	0.366902	0.917413
ENSMUSG0 Galnt1	173.7948	-0.12365	0.14327	-0.86304	0.388114	0.917836
ENSMUSG0 Rpa1	263.8111	-0.12073	0.138688	-0.87049	0.384033	0.917836
ENSMUSG0 Chtop	222.9008	-0.11505	0.131602	-0.87421	0.382004	0.917836
ENSMUSG0 Ifrd1	223.1701	-0.11772	0.134638	-0.87436	0.381923	0.917836
ENSMUSG0 Rab34	294.5585	-0.12411	0.139703	-0.88842	0.374316	0.917836
ENSMUSG0 Tsc2	211.3718	-0.11501	0.131762	-0.87286	0.38274	0.917836
ENSMUSG0 Clcn3	939.4963	-0.0885	0.100038	-0.88469	0.376324	0.917836
ENSMUSG0 Stxbp2	179.7871	-0.11998	0.140674	-0.85292	0.393701	0.917836
ENSMUSG0 Man2b1	983.0512	-0.09541	0.106759	-0.89369	0.371488	0.917836
ENSMUSG0 Adcy9	697.3265	0.091568	0.105727	0.866079	0.386447	0.917836

ENSMUSG0 Eif4g2	1828.416	-0.07624	0.084983	-0.89711	0.369661	0.917836
ENSMUSG0 Mthfd2	239.1712	-0.12015	0.134545	-0.89301	0.371852	0.917836
ENSMUSG0 Sod2	262.9966	0.118996	0.134503	0.884708	0.376314	0.917836
ENSMUSG0 Vars	224.5853	-0.11963	0.138564	-0.86334	0.387952	0.917836
ENSMUSG0 Lrrc8a	370.8955	-0.11245	0.131037	-0.85814	0.390813	0.917836
ENSMUSG0 Rps18	299.3799	-0.12355	0.1379	-0.89595	0.370281	0.917836
ENSMUSG0 Nedd8	129.5716	-0.13948	0.159514	-0.87439	0.381908	0.917836
ENSMUSG0 Dhdds	153.6729	-0.1252	0.146673	-0.8536	0.393325	0.917836
ENSMUSG0 Cad	762.3661	0.107789	0.121611	0.886349	0.375429	0.917836
ENSMUSG0 Tsg101	143.3637	-0.12938	0.14937	-0.86614	0.386412	0.917836
ENSMUSG0 Chfr	239.9607	0.116099	0.132967	0.873145	0.382584	0.917836
ENSMUSG0 Ppil4	141.5368	0.131502	0.149118	0.881864	0.37785	0.917836
ENSMUSG0 Zc3h18	155.748	0.126233	0.146313	0.862757	0.388271	0.917836
ENSMUSG0 Tnfaip1	345.0063	-0.10346	0.119933	-0.86264	0.388333	0.917836
ENSMUSG0 Ctdnep1	136.5997	0.137134	0.155693	0.880799	0.378427	0.917836
ENSMUSG0 Ddx39b	349.0874	-0.11344	0.125984	-0.90041	0.367903	0.917836
ENSMUSG0 Rgs17	106.0695	0.13869	0.162237	0.85486	0.392629	0.917836
ENSMUSG0 Arfgef3	880.6661	0.09523	0.107638	0.884724	0.376305	0.917836
ENSMUSG0 Lims1	438.8598	-0.10115	0.116933	-0.86504	0.387017	0.917836
ENSMUSG0 Cpm	694.4163	-0.11086	0.128937	-0.85981	0.389893	0.917836
ENSMUSG0 Tspan13	422.8621	-0.10017	0.115446	-0.8677	0.385561	0.917836
ENSMUSG0 Ddx42	187.2611	-0.12536	0.146529	-0.8555	0.392274	0.917836
ENSMUSG0 Pafah1b1	1215.214	0.095119	0.111428	0.853638	0.393305	0.917836
ENSMUSG0 Gng4	339.2159	-0.13114	0.145744	-0.89976	0.368247	0.917836
ENSMUSG0 Fastkd3	121.4709	-0.13653	0.157686	-0.86586	0.386568	0.917836
ENSMUSG0 Pdcd6	179.2979	0.137152	0.156606	0.875775	0.381152	0.917836
ENSMUSG0 Kif2a	138.4248	0.127652	0.148376	0.860329	0.389608	0.917836
ENSMUSG0 Glud1	185.559	0.134566	0.152416	0.882884	0.377299	0.917836
ENSMUSG0 Rtraf	295.6898	-0.12772	0.142848	-0.89413	0.371254	0.917836
ENSMUSG0 Elp3	186.9821	0.123463	0.138481	0.891555	0.372632	0.917836
ENSMUSG0 Nup155	270.9301	-0.11765	0.136597	-0.86127	0.389091	0.917836
ENSMUSG0 Shcbp1	132.5124	-0.13032	0.148664	-0.8766	0.380702	0.917836
ENSMUSG0 Nptxr	378.9489	-0.10175	0.113223	-0.89866	0.368833	0.917836
ENSMUSG0 Cyc1	405.0288	0.101199	0.113089	0.894865	0.370859	0.917836
ENSMUSG0 Bbx	512.1161	-0.10749	0.12121	-0.88678	0.375198	0.917836
ENSMUSG0 Parn	109.4516	-0.13574	0.154297	-0.87974	0.378999	0.917836
ENSMUSG0 Donson	118.9783	-0.13739	0.15418	-0.89109	0.372879	0.917836
ENSMUSG0 Son	1142.713	-0.087	0.102171	-0.85151	0.394483	0.917836
ENSMUSG0 Sod1	447.9814	0.101463	0.113513	0.893844	0.371405	0.917836
ENSMUSG0 Cdca3	146.8163	0.128277	0.147537	0.869457	0.384597	0.917836
ENSMUSG0 Mcfd2	223.1509	0.116801	0.133627	0.874079	0.382075	0.917836
ENSMUSG0 Dusp1	792.1344	-0.09922	0.112779	-0.87974	0.379003	0.917836
ENSMUSG0 Fech	140.3456	0.13154	0.151829	0.866369	0.386288	0.917836
ENSMUSG0 Tmem2	984.9047	0.096745	0.112547	0.859595	0.390012	0.917836
ENSMUSG0 Prdx3	234.1692	-0.12542	0.14145	-0.88671	0.375237	0.917836
ENSMUSG0 Tm9sf3	884.0393	-0.09141	0.10606	-0.86188	0.388752	0.917836
ENSMUSG0 Pip4k2c	436.332	0.094373	0.108101	0.87301	0.382658	0.917836
ENSMUSG0 Slc40a1	1598.643	0.100777	0.113879	0.884953	0.376182	0.917836
ENSMUSG0 Asnsd1	218.8015	-0.11892	0.136691	-0.87001	0.384294	0.917836
ENSMUSG0 Sema4c	118.5994	0.136542	0.159522	0.855941	0.39203	0.917836
ENSMUSG0 Gad2	261.3599	-0.11775	0.132915	-0.88588	0.375683	0.917836
ENSMUSG0 Ola1	263.3943	-0.11662	0.136847	-0.85217	0.39412	0.917836

ENSMUSG0 Bub1	233.0553	-0.12756	0.143643	-0.88802	0.37453	0.917836
ENSMUSG0 Nceh1	158.4067	0.127328	0.145967	0.872306	0.383042	0.917836
ENSMUSG0 Mbnl1	326.6057	-0.12531	0.142686	-0.87823	0.379816	0.917836
ENSMUSG0 Plrg1	132.5626	-0.13175	0.152731	-0.8626	0.38836	0.917836
ENSMUSG0 Tbck	119.0576	-0.13771	0.153609	-0.89647	0.370003	0.917836
ENSMUSG0 Lrba	960.518	0.111988	0.12873	0.869943	0.384332	0.917836
ENSMUSG0 Rprd2	207.6848	-0.13404	0.152455	-0.87922	0.379284	0.917836
ENSMUSG0 Anp32b	318.5813	0.10928	0.128315	0.851652	0.394407	0.917836
ENSMUSG0 Fktn	194.5867	-0.12295	0.136729	-0.89924	0.368523	0.917836
ENSMUSG0 Ikbkap	255.0436	0.115512	0.134092	0.861438	0.388997	0.917836
ENSMUSG0 Unc13b	136.1031	-0.12796	0.147506	-0.8675	0.385668	0.917836
ENSMUSG0 Mknk1	317.4953	-0.10675	0.123958	-0.86115	0.389157	0.917836
ENSMUSG0 Slc9a1	235.2731	-0.11021	0.127959	-0.86129	0.389077	0.917836
ENSMUSG0 Snx17	184.7575	-0.12094	0.141624	-0.85394	0.393137	0.917836
ENSMUSG0 Hnrnpdl	338.0036	-0.11499	0.130769	-0.87937	0.379201	0.917836
ENSMUSG0 Cdkl2	130.476	0.133116	0.151554	0.878343	0.379758	0.917836
ENSMUSG0 Uso1	330.0053	-0.1128	0.131356	-0.85871	0.390502	0.917836
ENSMUSG0 Kntc1	301.1777	0.114476	0.131931	0.8677	0.385558	0.917836
ENSMUSG0 Rab35	122.6579	-0.13208	0.154713	-0.8537	0.393271	0.917836
ENSMUSG0 Plbd2	226.1082	0.116762	0.131555	0.887552	0.374782	0.917836
ENSMUSG0 Dtx1	107.517	0.14076	0.16238	0.866854	0.386022	0.917836
ENSMUSG0 Tsc22d4	156.0645	-0.12615	0.147377	-0.85599	0.392001	0.917836
ENSMUSG0 Kdm5a	194.7561	0.130613	0.150848	0.865855	0.38657	0.917836
ENSMUSG0 Sec13	280.4769	-0.12407	0.142841	-0.86862	0.385054	0.917836
ENSMUSG0 Vgll4	177.6191	-0.12181	0.14291	-0.85237	0.394009	0.917836
ENSMUSG0 U2af2	323.4381	-0.10687	0.124601	-0.85766	0.391078	0.917836
ENSMUSG0 Lipt2	118.8095	-0.13792	0.158244	-0.87158	0.383436	0.917836
ENSMUSG0 Fus	721.9558	0.107774	0.121183	0.889347	0.373817	0.917836
ENSMUSG0 Fbxl19	292.0589	-0.1246	0.139917	-0.89056	0.373167	0.917836
ENSMUSG0 Rbm3	193.8101	-0.11969	0.139417	-0.8585	0.390614	0.917836
ENSMUSG0 Zmym3	118.3041	-0.13822	0.158741	-0.87074	0.383896	0.917836
ENSMUSG0 Abcd1	131.4472	-0.12878	0.151098	-0.85232	0.394034	0.917836
ENSMUSG0 Rwdd4a	120.2399	0.133184	0.155639	0.855727	0.392149	0.917836
ENSMUSG0 Rbpms	201.5131	-0.12919	0.148865	-0.86783	0.385489	0.917836
ENSMUSG0 Slc25a4	1876.865	-0.08888	0.101909	-0.87214	0.383131	0.917836
ENSMUSG0 Vps35	947.5946	-0.09761	0.112787	-0.8654	0.386818	0.917836
ENSMUSG0 Arl2bp	349.7417	0.124519	0.14228	0.875165	0.381484	0.917836
ENSMUSG0 Ifi30	1258.23	-0.12112	0.13816	-0.87664	0.380684	0.917836
ENSMUSG0 Nfatc3	367.3813	-0.10711	0.120649	-0.88782	0.374638	0.917836
ENSMUSG0 Rnf111	886.7992	-0.11791	0.131293	-0.89807	0.369146	0.917836
ENSMUSG0 Atp1b3	296.8565	-0.11283	0.127531	-0.88473	0.376304	0.917836
ENSMUSG0 Stt3b	674.5651	-0.10256	0.117043	-0.87628	0.38088	0.917836
ENSMUSG0 Wdr48	213.8391	-0.12351	0.13714	-0.9006	0.367801	0.917836
ENSMUSG0 Cntrob	195.8308	0.130618	0.149191	0.875505	0.381299	0.917836
ENSMUSG0 Nfyc	154.8376	-0.13384	0.153968	-0.8693	0.384683	0.917836
ENSMUSG0 Ipo13	129.1284	0.128153	0.149733	0.85588	0.392064	0.917836
ENSMUSG0 Rbfox2	474.0976	0.102316	0.113721	0.899706	0.368276	0.917836
ENSMUSG0 Rfwd3	492.7344	-0.11037	0.126013	-0.87586	0.381107	0.917836
ENSMUSG0 Foxn3	129.8363	0.141748	0.163361	0.867697	0.38556	0.917836
ENSMUSG0 Pds5b	193.5046	0.123026	0.142579	0.862865	0.388212	0.917836
ENSMUSG0 Tmed8	548.7325	-0.09243	0.106496	-0.8679	0.385447	0.917836
ENSMUSG0 Nek9	236.1269	-0.10997	0.1277	-0.86115	0.389157	0.917836

ENSMUSG0 Morc2a	353.7473	0.11465	0.130124	0.881085	0.378272	0.917836
ENSMUSG0 Ythdc2	108.0191	0.150844	0.175117	0.861391	0.389023	0.917836
ENSMUSG0 Xpot	452.2416	-0.10336	0.11532	-0.89633	0.370076	0.917836
ENSMUSG0 Fbxo45	149.9977	-0.12516	0.145468	-0.86042	0.389557	0.917836
ENSMUSG0 Dner	147.5586	-0.1354	0.154793	-0.8747	0.381735	0.917836
ENSMUSG0 Papd5	213.6869	-0.11926	0.13452	-0.88657	0.375309	0.917836
ENSMUSG0 Mxd4	264.4919	-0.10938	0.127782	-0.85602	0.391986	0.917836
ENSMUSG0 Mynn	131.7252	0.152351	0.171793	0.88683	0.37517	0.917836
ENSMUSG0 Socs7	291.1355	0.108351	0.126016	0.859818	0.389889	0.917836
ENSMUSG0 Atf5	222.5656	0.116991	0.135243	0.865041	0.387017	0.917836
ENSMUSG0 Ube3c	1172.966	-0.10259	0.116216	-0.88279	0.377348	0.917836
ENSMUSG0 Lyplal1	125.8821	-0.14652	0.169189	-0.866	0.386491	0.917836
ENSMUSG0 Tspyl4	518.8666	0.102911	0.116676	0.88202	0.377766	0.917836
ENSMUSG0 Exo1	310.2289	0.117211	0.136256	0.860227	0.389664	0.917836
ENSMUSG0 Zfp597	331.1424	-0.1073	0.123317	-0.87013	0.38423	0.917836
ENSMUSG0 Pnmal1	439.1471	0.092578	0.107764	0.859082	0.390295	0.917836
ENSMUSG0 Gm20604	184.628	-0.13369	0.155695	-0.85864	0.39054	0.917836
ENSMUSG0 Pbrm1	437.0823	-0.09879	0.110592	-0.89329	0.371701	0.917836
ENSMUSG0 Bex2	268.8877	0.118795	0.133175	0.892026	0.372379	0.917836
ENSMUSG0 Gm12481	157.3595	0.135856	0.155979	0.870988	0.383761	0.917836
ENSMUSG0 H1fx	574.2639	-0.10739	0.125911	-0.8529	0.393715	0.917836
ENSMUSG0 Wnk1	1019.669	-0.09013	0.102654	-0.87797	0.379962	0.917836
ENSMUSG0 Zfp319	126.8832	0.130878	0.150157	0.871607	0.383423	0.917836
ENSMUSG0 Mapk10	105.1178	0.157909	0.179164	0.881367	0.378119	0.917836
ENSMUSG0 Rbm33	179.976	0.129428	0.148931	0.869047	0.384821	0.917836
ENSMUSG0 Fkrp	191.8619	0.117765	0.135527	0.868945	0.384877	0.917836
ENSMUSG0 Zadh2	339.0005	-0.10412	0.117551	-0.88572	0.375769	0.917836
ENSMUSG0 Zfp644	169.9592	-0.14013	0.161872	-0.86566	0.386675	0.917836
ENSMUSG01600012HC	127.5569	-0.13464	0.153093	-0.87949	0.379135	0.917836
ENSMUSG0 Ftl1	7573.704	-0.08388	0.09675	-0.86701	0.385934	0.917836
ENSMUSG0 Mical3	249.4272	0.139008	0.158667	0.876102	0.380975	0.917836
ENSMUSG0 Mapk14	354.8587	-0.11038	0.128713	-0.8576	0.391111	0.917836
ENSMUSG0 Skida1	185.1196	-0.12201	0.14328	-0.85154	0.39447	0.917836
ENSMUSG0 Hmgb2	873.0011	-0.11211	0.126148	-0.88872	0.374154	0.917836
ENSMUSG0 Fancm	160.5384	-0.1227	0.143746	-0.85361	0.39332	0.917836
ENSMUSG0 Hist3h2ba	171.1423	-0.14711	0.168768	-0.87169	0.383375	0.917836
ENSMUSG0 Eif4b	395.5034	0.109525	0.124232	0.881617	0.377984	0.917836
ENSMUSG0 Slc27a4	180.9654	0.122553	0.14256	0.859655	0.389979	0.917836
ENSMUSG0 Rpl35a	214.7698	0.123743	0.137474	0.900124	0.368054	0.917836
ENSMUSG0 Dnajc30	119.6284	-0.13191	0.154334	-0.8547	0.392719	0.917836
ENSMUSG0 Ap3b2	227.3571	-0.11759	0.135261	-0.86935	0.384658	0.917836
ENSMUSG0 Snrnp70	250.3752	0.121793	0.135679	0.897657	0.369369	0.917836
ENSMUSG0 mt-Nd4l	869.9196	-0.15458	0.176626	-0.87518	0.381476	0.917836
ENSMUSG0 Aurkaip1	118.081	-0.14165	0.159864	-0.88605	0.375591	0.917836
ENSMUSG0 Slc31a1	569.1109	-0.11807	0.132938	-0.8882	0.374435	0.917836
ENSMUSG0 Wdr35	155.1047	-0.14019	0.161919	-0.8658	0.386601	0.917836
ENSMUSG0Tmem167b	112.2918	0.137761	0.155172	0.887796	0.374651	0.917836
ENSMUSG0 Capza1	458.6116	-0.1242	0.143234	-0.86709	0.385893	0.917836
ENSMUSG0 Rasal2	250.7249	0.109814	0.124374	0.882934	0.377272	0.917836
ENSMUSG0 Pnmal2	187.5444	0.117486	0.137577	0.853961	0.393127	0.917836
ENSMUSG0 Zfp9	189.3096	-0.13475	0.153413	-0.87832	0.379772	0.917836
ENSMUSG0 Zxdb	226.6985	-0.12489	0.138842	-0.89949	0.368394	0.917836

ENSMUSG0 Nbeal1	211.1921	0.128525	0.149755	0.858235	0.390763	0.917836
ENSMUSG0 Serf2	1379.519	-0.1117	0.126279	-0.88453	0.376411	0.917836
ENSMUSG0 Scn9a	105.1652	0.136606	0.158743	0.860546	0.389488	0.917836
ENSMUSG0 Emc1	500.0219	-0.10919	0.122799	-0.88922	0.373887	0.917836
ENSMUSG0 Maea	483.2349	-0.10169	0.117104	-0.86837	0.38519	0.917836
ENSMUSG0 Malat1	4327.599	-0.11364	0.129206	-0.87951	0.379127	0.917836
ENSMUSG0 Syne1	167.1744	0.140881	0.159302	0.884365	0.376499	0.917836
ENSMUSG0 Rpl24	132.3167	-0.15068	0.167175	-0.90132	0.367418	0.917836
ENSMUSG0 Golga4	692.4428	0.088227	0.103721	0.850617	0.394982	0.918263
ENSMUSG0 Arhgap11a	334.1028	0.104499	0.122813	0.850875	0.394839	0.918263
ENSMUSG0 Eya3	357.787	-0.11567	0.136148	-0.84958	0.395561	0.919241
ENSMUSG0 Idh3b	127.2445	-0.13212	0.155602	-0.84906	0.395848	0.919542
ENSMUSG0 Agk	106.9264	-0.13488	0.158941	-0.84863	0.396087	0.919729
ENSMUSG0 Atp8a1	203.4156	-0.12081	0.142582	-0.84733	0.396813	0.92105
ENSMUSG0 Calm1	3322.514	0.079005	0.093658	0.843555	0.398918	0.921997
ENSMUSG0 Etv1	467.1939	0.100767	0.119979	0.839875	0.400979	0.921997
ENSMUSG0 Dynll1	155.0923	-0.13438	0.159832	-0.84074	0.400495	0.921997
ENSMUSG0 Plcg1	407.6404	0.094659	0.11253	0.841192	0.40024	0.921997
ENSMUSG0 Appbp2	434.8052	-0.10461	0.123989	-0.84367	0.398853	0.921997
ENSMUSG0 Slc35b4	321.7491	-0.11253	0.134157	-0.8388	0.401581	0.921997
ENSMUSG0 Twf1	142.4158	-0.14015	0.166658	-0.84097	0.400365	0.921997
ENSMUSG0 Impact	179.0408	-0.12817	0.152248	-0.84185	0.399873	0.921997
ENSMUSG0 Nt5c2	144.5003	-0.12252	0.145169	-0.84397	0.398689	0.921997
ENSMUSG0 Maged2	115.5241	0.130393	0.154679	0.842994	0.399232	0.921997
ENSMUSG0 Dctn2	175.7904	-0.11868	0.141104	-0.84111	0.400287	0.921997
ENSMUSG0 Unc5a	377.877	-0.09791	0.115747	-0.84589	0.397616	0.921997
ENSMUSG0 Tfcp2l1	137.9618	0.125898	0.149075	0.844532	0.398372	0.921997
ENSMUSG0 Sephs1	182.4915	-0.12515	0.148927	-0.84037	0.400701	0.921997
ENSMUSG0 Mar-07	468.0536	0.11708	0.138682	0.844232	0.39854	0.921997
ENSMUSG0 Prkag2	440.8934	0.109855	0.130845	0.839586	0.401141	0.921997
ENSMUSG0 Foxp1	141.9897	-0.13311	0.157747	-0.84384	0.39876	0.921997
ENSMUSG0 Cyb5r4	464.6566	0.092228	0.109398	0.84305	0.399201	0.921997
ENSMUSG0E330009J0	466.5196	0.0911	0.108551	0.839236	0.401337	0.921997
ENSMUSG0 Gpatch2	149.9593	0.129802	0.154188	0.841843	0.399876	0.921997
ENSMUSG0 Cbx4	309.5104	-0.11256	0.133504	-0.84308	0.399183	0.921997
ENSMUSG0 Sdk2	288.726	0.126289	0.150038	0.841714	0.399948	0.921997
ENSMUSG0 Bmt2	160.5453	0.126949	0.151369	0.838673	0.401653	0.921997
ENSMUSG0 Ffar1	590.8751	-0.09774	0.116483	-0.83906	0.401436	0.921997
ENSMUSG0 Smcr8	430.9518	-0.10384	0.123545	-0.84048	0.400639	0.921997
ENSMUSG0 Arhgef39	328.3187	0.112246	0.133454	0.841085	0.4003	0.921997
ENSMUSG09430015G1	106.6754	-0.13912	0.165626	-0.83995	0.400936	0.921997
ENSMUSG0 Rps13	268.4222	-0.11769	0.139474	-0.84384	0.398761	0.921997
ENSMUSG0 Git1	185.384	0.114896	0.137053	0.838331	0.401845	0.922075
ENSMUSG0 Supt5	194.8353	0.116488	0.139059	0.837686	0.402207	0.922192
ENSMUSG0 Apba1	272.126	-0.10383	0.123999	-0.83733	0.402407	0.922192
ENSMUSG0 Dcun1d3	473.3219	0.101468	0.121212	0.837113	0.402529	0.922192
ENSMUSG0 Tpt1-ps3	145.5466	-0.13898	0.16599	-0.83727	0.402441	0.922192
ENSMUSG0 Nsd1	659.4437	-0.08495	0.10151	-0.83683	0.40269	0.922197
ENSMUSG0 Bud23	126.2671	0.130517	0.156156	0.835808	0.403263	0.92228
ENSMUSG0 Ormdl2	276.0925	-0.10823	0.129461	-0.83603	0.403136	0.92228
ENSMUSG0 Nrbp1	348.697	-0.10284	0.122983	-0.83623	0.403028	0.92228
ENSMUSG0 Rbm10	142.504	-0.12864	0.153946	-0.83564	0.403359	0.92228

ENSMUSG0 Rhoa	271.294	-0.10598	0.127107	-0.83381	0.404388	0.92259
ENSMUSG0 Tor1b	183.2527	0.118751	0.142285	0.834601	0.403942	0.92259
ENSMUSG0 Ttc14	150.8233	-0.12767	0.15293	-0.83485	0.4038	0.92259
ENSMUSG0 Dlgap3	132.2174	0.125936	0.151055	0.83371	0.404445	0.92259
ENSMUSG0 Itpr3	167.0508	0.124247	0.148908	0.834391	0.404061	0.92259
ENSMUSG0 Slfn9	166.175	0.134231	0.160951	0.83399	0.404287	0.92259
ENSMUSG0 Jade1	269.9426	0.120072	0.144103	0.833237	0.404711	0.922602
ENSMUSG0 Gnao1	1097.837	0.076378	0.091675	0.833138	0.404767	0.922602
ENSMUSG0 Polr2c	116.5961	0.127267	0.152868	0.832524	0.405113	0.92303
ENSMUSG0 Ubl3	391.4531	-0.10617	0.127738	-0.83114	0.405895	0.923371
ENSMUSG0 Mdh2	414.098	0.101813	0.122432	0.831587	0.405642	0.923371
ENSMUSG0 Top2a	1978.044	-0.07956	0.095709	-0.83132	0.405795	0.923371
ENSMUSG0 Rab6a	609.7045	-0.09964	0.119894	-0.8311	0.405915	0.923371
ENSMUSG0 Rims3	113.537	-0.12971	0.156111	-0.83086	0.406055	0.923371
ENSMUSG0 Myo9b	201.3477	0.129111	0.155644	0.829525	0.406807	0.92436
ENSMUSG0 Rragc	127.7693	0.124737	0.150355	0.829611	0.406759	0.92436
ENSMUSG0 Trappc10	314.5618	-0.10768	0.131246	-0.82042	0.411976	0.92653
ENSMUSG0 Ccm2	155.4001	-0.12577	0.15383	-0.81758	0.413595	0.92653
ENSMUSG0 Ocrl	188.5485	0.120191	0.145327	0.827036	0.408217	0.92653
ENSMUSG0 Vps50	216.7029	0.119205	0.144382	0.82562	0.40902	0.92653
ENSMUSG0 Rabac1	247.5257	0.119107	0.144223	0.825852	0.408888	0.92653
ENSMUSG0 Clic1	141.8599	0.123995	0.149883	0.827276	0.40808	0.92653
ENSMUSG0 Rps25	133.909	-0.14183	0.172472	-0.82235	0.41088	0.92653
ENSMUSG0 Mapk1ip1l	329.0208	-0.10615	0.129841	-0.81754	0.413621	0.92653
ENSMUSG0 Mapk8	151.0281	-0.12609	0.154122	-0.81811	0.413296	0.92653
ENSMUSG01810013L2	259.516	-0.10443	0.127741	-0.81749	0.413647	0.92653
ENSMUSG0 Hira	118.4166	0.13112	0.159513	0.822006	0.411074	0.92653
ENSMUSG0 Tmem41a	149.3867	-0.12265	0.149063	-0.8228	0.410622	0.92653
ENSMUSG0 Slc4a8	104.6226	-0.13338	0.162681	-0.81986	0.412295	0.92653
ENSMUSG0 Kifap3	230.1619	-0.1157	0.141235	-0.81921	0.412666	0.92653
ENSMUSG0 Rbms1	142.6935	-0.13002	0.158844	-0.81851	0.413064	0.92653
ENSMUSG0 Mapk8ip1	185.8585	0.112154	0.137039	0.818411	0.413123	0.92653
ENSMUSG0 E2f1	119.9975	0.126093	0.153555	0.821158	0.411557	0.92653
ENSMUSG0 Ptpn12	125.1257	-0.13518	0.164857	-0.82001	0.412208	0.92653
ENSMUSG0 Ergic2	291.3454	-0.12821	0.155166	-0.82626	0.408657	0.92653
ENSMUSG0 Wdr13	109.5384	0.130435	0.159364	0.818471	0.413088	0.92653
ENSMUSG0 Nectin1	299.5589	0.100535	0.12232	0.821907	0.41113	0.92653
ENSMUSG0 Dync1li1	116.0815	-0.13021	0.15777	-0.82533	0.409184	0.92653
ENSMUSG0 Srsf2	283.3193	-0.10032	0.122583	-0.81841	0.413122	0.92653
ENSMUSG0 Ppm1h	233.0092	0.110897	0.134429	0.824948	0.409401	0.92653
ENSMUSG0 Otud4	680.0129	-0.09383	0.114012	-0.82301	0.410502	0.92653
ENSMUSG0 Syn1	154.0257	-0.13749	0.16773	-0.81973	0.412368	0.92653
ENSMUSG0 Zbtb38	313.292	-0.11945	0.145575	-0.82054	0.411909	0.92653
ENSMUSG0 Hnrnpul1	567.6741	0.088096	0.106531	0.826959	0.408261	0.92653
ENSMUSG0 Ttc3	584.8186	-0.08892	0.108569	-0.81898	0.4128	0.92653
ENSMUSG0 Fam58b	152.1549	-0.12473	0.15173	-0.82202	0.411064	0.92653
ENSMUSG0 Pgrmc2	345.9154	0.100067	0.121813	0.821473	0.411377	0.92653
ENSMUSG0 Hic2	628.8566	-0.10075	0.12231	-0.8237	0.410111	0.92653
ENSMUSG0 Mrpl18	418.8061	0.091188	0.110506	0.82519	0.409263	0.92653
ENSMUSG0 Slc35e3	132.5977	-0.1291	0.156896	-0.82287	0.410583	0.92653
ENSMUSG0 Zfp512	187.6416	-0.1128	0.137916	-0.81788	0.413428	0.92653
ENSMUSG0 Rps15	220.8884	-0.11594	0.14152	-0.81923	0.412657	0.92653

ENSMUSG0 Bsc12	160.936	0.124281	0.151955	0.817876	0.413428	0.92653
ENSMUSG0 Sf3b4	144.1698	-0.12822	0.156938	-0.81698	0.413938	0.926826
ENSMUSG0 Tubgcp3	143.4792	0.120448	0.147891	0.814437	0.415394	0.927143
ENSMUSG0 Ubc	790.4089	-0.09743	0.119555	-0.81493	0.415111	0.927143
ENSMUSG0 Ppp2r5c	112.2724	-0.12776	0.156767	-0.81495	0.415101	0.927143
ENSMUSG0 Tfrc	661.1498	-0.12395	0.152226	-0.81423	0.415512	0.927143
ENSMUSG0 Mlt1	217.2073	-0.11403	0.139908	-0.81506	0.41504	0.927143
ENSMUSG0 Dctn4	169.9851	-0.12816	0.157175	-0.81542	0.414835	0.927143
ENSMUSG0 Dnm2	194.1214	0.1189	0.145942	0.814711	0.415238	0.927143
ENSMUSG0 Ifitm2	105.5525	-0.14189	0.174011	-0.81539	0.414847	0.927143
ENSMUSG0 Prpf4	201.4821	0.111541	0.136698	0.815969	0.414518	0.927143
ENSMUSG0 Baiap2	103.7866	0.127083	0.156211	0.813533	0.415912	0.927463
ENSMUSG0 Tbc1	209.011	0.111662	0.137273	0.813427	0.415973	0.927463
ENSMUSG0 Ppm1d	123.7443	-0.12462	0.153299	-0.8129	0.416277	0.927785
ENSMUSG0 Cntnap1	301.0955	-0.10545	0.129983	-0.81129	0.417199	0.928064
ENSMUSG0 Wwp2	124.5728	0.12309	0.151644	0.811703	0.416962	0.928064
ENSMUSG0 Psma4	201.2271	-0.11863	0.146185	-0.81151	0.417073	0.928064
ENSMUSG0 Scaf8	179.3191	-0.11271	0.138853	-0.81172	0.416952	0.928064
ENSMUSG0 Bri3	113.4936	-0.12523	0.154247	-0.81186	0.416872	0.928064
ENSMUSG0 Ndufa4	2117.027	-0.13908	0.171651	-0.81023	0.41781	0.929069
ENSMUSG0 Aamp	138.1889	0.129264	0.159673	0.80955	0.418199	0.929124
ENSMUSG0 Fzr1	192.1745	-0.11365	0.140661	-0.80799	0.419096	0.929124
ENSMUSG0 Vcl	225.408	-0.10742	0.133058	-0.80731	0.419486	0.929124
ENSMUSG0 Abcc1	256.8606	0.120291	0.149035	0.807135	0.419589	0.929124
ENSMUSG0 Cul2	128.0854	-0.13802	0.170618	-0.80893	0.418557	0.929124
ENSMUSG0 Fyco1	104.3184	0.137672	0.170379	0.808035	0.41907	0.929124
ENSMUSG0 Cish	207.0412	-0.11328	0.140305	-0.80737	0.419452	0.929124
ENSMUSG0 Ice1	321.2585	-0.09661	0.119614	-0.80768	0.419277	0.929124
ENSMUSG0 Elob	190.186	-0.12042	0.149167	-0.8073	0.419495	0.929124
ENSMUSG0 Zfp26	353.6603	-0.11048	0.136865	-0.80721	0.419544	0.929124
ENSMUSG0 Polr2g	123.9315	0.123759	0.153221	0.807719	0.419252	0.929124
ENSMUSG0 Zfp334	138.2811	-0.11947	0.148137	-0.80648	0.419968	0.929258
ENSMUSG0 Dcbld1	305.5688	-0.10765	0.133475	-0.80651	0.419951	0.929258
ENSMUSG0 Scaf11	283.0229	0.108087	0.134172	0.80558	0.420485	0.930048
ENSMUSG0 Strip1	376.8651	-0.09766	0.121319	-0.80498	0.420831	0.930459
ENSMUSG0 Pan3	136.4454	-0.12873	0.159984	-0.80464	0.42103	0.930546
ENSMUSG0 Mmd	442.6615	-0.11286	0.140749	-0.80187	0.422627	0.931178
ENSMUSG0 Actr10	117.3875	-0.12395	0.1542	-0.80382	0.421504	0.931178
ENSMUSG0 Eif5	558.2595	-0.08798	0.109811	-0.80122	0.423003	0.931178
ENSMUSG0 Mob4	132.6519	-0.1308	0.163187	-0.80152	0.422832	0.931178
ENSMUSG0 Kif18a	104.5096	-0.13143	0.164168	-0.80056	0.423387	0.931178
ENSMUSG0 Dclk1	233.8096	-0.11682	0.145877	-0.80084	0.423224	0.931178
ENSMUSG0 Ppt1	103.7315	-0.13444	0.1677	-0.80168	0.42274	0.931178
ENSMUSG0 Klhdc10	269.2929	-0.10039	0.125204	-0.80178	0.42268	0.931178
ENSMUSG0 Etv6	108.1174	-0.12977	0.161613	-0.80297	0.421993	0.931178
ENSMUSG0 Slc25a36	206.0687	-0.12592	0.157232	-0.80085	0.423218	0.931178
ENSMUSG0 Loxl2	1428.494	0.075055	0.093425	0.803373	0.421759	0.931178
ENSMUSG0 Cox15	126.4424	0.125092	0.156109	0.801315	0.422949	0.931178
ENSMUSG0 Cds2	403.4707	0.090559	0.113122	0.800547	0.423394	0.931178
ENSMUSG0 Kcnf1	111.8744	-0.12551	0.156857	-0.80014	0.423631	0.931348
ENSMUSG0 Rec8	135.6854	-0.12462	0.156235	-0.79762	0.425089	0.931593
ENSMUSG0 Ube2b	138.9965	-0.12774	0.159885	-0.79897	0.424308	0.931593

ENSMUSG0 Cbll1	121.1115	-0.13414	0.168266	-0.79719	0.425341	0.931593
ENSMUSG0 Hspa12a	366.8616	-0.10427	0.13057	-0.79856	0.424546	0.931593
ENSMUSG0 Dnajc1	193.7454	0.121135	0.151647	0.798792	0.424411	0.931593
ENSMUSG0 Mtch2	648.7281	-0.08843	0.110593	-0.79956	0.423965	0.931593
ENSMUSG0 Gtf3c4	691.6123	-0.08335	0.104321	-0.79895	0.42432	0.931593
ENSMUSG0 Azin1	720.225	-0.0847	0.106245	-0.79726	0.425303	0.931593
ENSMUSG0 Ints8	110.9976	0.130627	0.163691	0.798005	0.424868	0.931593
ENSMUSG0 Mtch2	648.4401	-0.08833	0.110715	-0.79782	0.424976	0.931593
ENSMUSG0 Narf	138.5501	0.110852	0.147539	0.751341	0.452447	0.932514
ENSMUSG0 Gpr107	218.2503	0.121021	0.161323	0.750181	0.453146	0.932514
ENSMUSG0 Acvr1b	324.4478	0.092415	0.117825	0.78434	0.43284	0.932514
ENSMUSG0 Tom1l2	333.4358	-0.08957	0.116176	-0.77095	0.440738	0.932514
ENSMUSG0 Abhd15	204.2202	0.104732	0.132476	0.790572	0.429194	0.932514
ENSMUSG0 Uhrf1	265.385	-0.10011	0.130923	-0.76461	0.444501	0.932514
ENSMUSG0 Dpp9	169.4682	-0.10232	0.138941	-0.73641	0.461482	0.932514
ENSMUSG0 Marveld3	106.9539	0.128556	0.161937	0.793867	0.427273	0.932514
ENSMUSG0 Sep-07	120.0202	-0.11669	0.159511	-0.73154	0.464449	0.932514
ENSMUSG0 Kmt2a	759.0003	0.088857	0.122152	0.727428	0.466964	0.932514
ENSMUSG0 Ykt6	483.3356	0.077206	0.106034	0.728131	0.466533	0.932514
ENSMUSG0 Map2k7	198.0148	-0.11891	0.157924	-0.75299	0.451456	0.932514
ENSMUSG0 Rps11	745.2858	-0.13326	0.180262	-0.73928	0.45974	0.932514
ENSMUSG0 Crot	145.8909	0.111932	0.144179	0.776339	0.437549	0.932514
ENSMUSG0 Man1a	366.7878	-0.08452	0.114571	-0.73769	0.460701	0.932514
ENSMUSG0 Nqo1	132.1111	-0.11814	0.161658	-0.73081	0.464895	0.932514
ENSMUSG0 Kbtbd4	162.0346	-0.11079	0.150669	-0.7353	0.462158	0.932514
ENSMUSG0 Insrr	135.3461	0.12444	0.159626	0.779572	0.435643	0.932514
ENSMUSG0 Snx6	218.9848	-0.11248	0.151736	-0.7413	0.458512	0.932514
ENSMUSG0 Cdt1	270.2934	-0.09203	0.126255	-0.72895	0.466033	0.932514
ENSMUSG0 Hnrnpa0	303.9622	0.107784	0.136763	0.788112	0.430631	0.932514
ENSMUSG0 Rplp1	240.1036	-0.1095	0.14128	-0.77504	0.438314	0.932514
ENSMUSG0 Carhsp1	165.9559	-0.11825	0.152074	-0.77758	0.436817	0.932514
ENSMUSG0 Slc3a2	1021.874	-0.07299	0.099837	-0.73107	0.464733	0.932514
ENSMUSG0 Myt1	392.8869	0.094676	0.121234	0.78093	0.434844	0.932514
ENSMUSG0 Brms1l	111.0066	-0.11391	0.154407	-0.73774	0.460671	0.932514
ENSMUSG0 Glis2	132.2358	0.111258	0.152231	0.73085	0.464871	0.932514
ENSMUSG0 Ankrd52	1340.687	-0.0703	0.093734	-0.74997	0.45327	0.932514
ENSMUSG0 Zdhhc12	370.1978	0.087813	0.119305	0.736036	0.461709	0.932514
ENSMUSG0 Atf6b	808.3345	0.076937	0.103886	0.740589	0.458943	0.932514
ENSMUSG0 Hspa8	3533.14	-0.14088	0.180244	-0.78163	0.43443	0.932514
ENSMUSG0 Ctsz	176.0899	-0.10248	0.138638	-0.73916	0.45981	0.932514
ENSMUSG0 Lnx2	170.3339	-0.11625	0.146779	-0.79199	0.428369	0.932514
ENSMUSG0 Zswim1	115.9524	-0.11357	0.156123	-0.72745	0.466953	0.932514
ENSMUSG0 Pitpna	255.1949	-0.0954	0.128087	-0.74479	0.456401	0.932514
ENSMUSG0 Glrx2	103.3178	-0.12176	0.162217	-0.75062	0.452881	0.932514
ENSMUSG0 Dync1h1	2122.373	0.07785	0.099538	0.78212	0.434144	0.932514
ENSMUSG0 Rars	217.208	-0.11859	0.150367	-0.78868	0.430301	0.932514
ENSMUSG0 Natd1	358.3873	-0.08815	0.121102	-0.72791	0.466668	0.932514
ENSMUSG0 E2f2	250.7072	0.095913	0.128293	0.747606	0.454698	0.932514
ENSMUSG0 Slc6a15	110.5135	-0.11726	0.158971	-0.73763	0.460742	0.932514
ENSMUSG0 Psen1	134.1085	-0.11667	0.156397	-0.74597	0.455687	0.932514
ENSMUSG0 Hbs1l	255.2386	-0.09996	0.131094	-0.76251	0.445754	0.932514
ENSMUSG0 Pcbd1	265.9335	-0.10792	0.140683	-0.76709	0.443028	0.932514

ENSMUSG0Actr2	572.9556	-0.08682	0.113502	-0.76495	0.444299	0.932514
ENSMUSG0Timm13	128.6307	0.112674	0.150752	0.747414	0.454814	0.932514
ENSMUSG0Wdr82	429.3378	-0.08715	0.113079	-0.77073	0.440869	0.932514
ENSMUSG0Cdkn2aipnl	232.0284	-0.10678	0.136865	-0.78018	0.435287	0.932514
ENSMUSG0Ascc2	116.8352	-0.11248	0.151494	-0.74247	0.457801	0.932514
ENSMUSG0Ncoa1	228.2904	-0.1042	0.136642	-0.76257	0.44572	0.932514
ENSMUSG0Helz	266.446	-0.10758	0.144678	-0.74358	0.457129	0.932514
ENSMUSG0Ankfy1	471.3109	-0.09066	0.115741	-0.78328	0.433464	0.932514
ENSMUSG0Klhl28	155.3941	-0.11513	0.149396	-0.77066	0.440906	0.932514
ENSMUSG0Strn3	216.9467	-0.0973	0.13262	-0.73367	0.46315	0.932514
ENSMUSG0Papola	310.8177	-0.09308	0.124609	-0.74698	0.455073	0.932514
ENSMUSG0Atp6v1d	111.35	-0.11701	0.155515	-0.75242	0.451797	0.932514
ENSMUSG0Eif2s1	105.8424	-0.11637	0.157196	-0.74026	0.459143	0.932514
ENSMUSG0Pcnx	682.6542	-0.08476	0.115988	-0.73079	0.464907	0.932514
ENSMUSG0Wars	406.0926	-0.08743	0.11888	-0.73543	0.462075	0.932514
ENSMUSG0Scgn	116.3124	-0.12073	0.153685	-0.78558	0.432113	0.932514
ENSMUSG0Nedd9	104.9109	-0.12521	0.162555	-0.77029	0.441127	0.932514
ENSMUSG0Smad5	267.2346	-0.10143	0.131393	-0.77199	0.440122	0.932514
ENSMUSG0Scamp1	207.7367	-0.10321	0.14031	-0.7356	0.461971	0.932514
ENSMUSG0Tkt	168.0051	-0.11044	0.145442	-0.75934	0.447648	0.932514
ENSMUSG0Nipbl	418.4067	-0.09589	0.125937	-0.76141	0.446412	0.932514
ENSMUSG0Slc7a8	169.4158	-0.11296	0.148038	-0.76306	0.44543	0.932514
ENSMUSG0Dcaf11	104.0997	-0.12824	0.171341	-0.74846	0.45418	0.932514
ENSMUSG0Laptm4b	116.6881	-0.11957	0.15617	-0.76567	0.443872	0.932514
ENSMUSG0Mtss1	183.7324	-0.11178	0.141142	-0.79198	0.428372	0.932514
ENSMUSG0Upk3a	157.9132	0.11722	0.148789	0.787827	0.430798	0.932514
ENSMUSG0Klhl22	178.7255	-0.10778	0.136836	-0.78764	0.430909	0.932514
ENSMUSG0Lrch3	128.6152	-0.12249	0.160735	-0.76208	0.446015	0.932514
ENSMUSG0Itgb5	124.2552	0.126721	0.171091	0.740664	0.458897	0.932514
ENSMUSG0Iqcb1	147.2372	-0.11319	0.151719	-0.74608	0.455619	0.932514
ENSMUSG0Tra2b	537.8988	-0.09133	0.12153	-0.75154	0.452328	0.932514
ENSMUSG0Tmem50b	122.3076	-0.11715	0.157524	-0.7437	0.457057	0.932514
ENSMUSG0Ifnar1	256.8883	-0.10786	0.137972	-0.78173	0.434372	0.932514
ENSMUSG0Rps6ka2	365.4966	-0.09017	0.11359	-0.79385	0.427281	0.932514
ENSMUSG0Pde10a	289.9598	-0.10242	0.131656	-0.7779	0.436626	0.932514
ENSMUSG0Satb1	156.915	-0.10365	0.142388	-0.72797	0.466632	0.932514
ENSMUSG0Enpp4	185.0132	-0.11263	0.143236	-0.78632	0.431678	0.932514
ENSMUSG0Smchd1	399.1803	0.083396	0.112997	0.738034	0.460494	0.932514
ENSMUSG0Kdm4b	106.872	0.123579	0.161506	0.765168	0.444171	0.932514
ENSMUSG0Rfx2	113.8163	0.124507	0.158406	0.786001	0.431867	0.932514
ENSMUSG0Rock1	229.659	-0.10299	0.132582	-0.77682	0.437267	0.932514
ENSMUSG0Hspa9	509.759	-0.08348	0.110619	-0.75467	0.450445	0.932514
ENSMUSG0Prcc2a	1356.72	0.067806	0.090724	0.74739	0.454828	0.932514
ENSMUSG0Riok3	194.0495	0.102169	0.133309	0.766408	0.443433	0.932514
ENSMUSG0Ndip1	203.4703	0.105886	0.140917	0.751403	0.45241	0.932514
ENSMUSG0Gnl1	154.6715	0.115144	0.147244	0.781995	0.434218	0.932514
ENSMUSG0Ap3s1	140.9593	-0.12326	0.160934	-0.76591	0.443729	0.932514
ENSMUSG0Gm16286	144.1219	-0.11169	0.147859	-0.75541	0.450006	0.932514
ENSMUSG0Nars	390.8929	-0.08393	0.114108	-0.73551	0.46203	0.932514
ENSMUSG0Sf3b2	360.1909	0.084879	0.116708	0.727275	0.467057	0.932514
ENSMUSG0Rela	290.5696	-0.10482	0.140448	-0.74629	0.455491	0.932514
ENSMUSG0Zdhhc16	237.9441	0.10582	0.141996	0.745232	0.456132	0.932514

ENSMUSG0 Gbf1	828.3191	0.091075	0.122777	0.741794	0.458212	0.932514
ENSMUSG0 Tbl1x	142.4335	-0.10916	0.148663	-0.73429	0.462769	0.932514
ENSMUSG0 Ptprij	438.7445	-0.08774	0.118846	-0.73828	0.460346	0.932514
ENSMUSG0 Pa2g4	127.4402	0.115476	0.153119	0.754161	0.450753	0.932514
ENSMUSG0 Atp5b	2182.901	-0.07219	0.092267	-0.78238	0.43399	0.932514
ENSMUSG0 Tnrc6c	1296.091	-0.07922	0.104867	-0.75547	0.449966	0.932514
ENSMUSG0 Tk1	1154.814	0.066677	0.090699	0.735151	0.462248	0.932514
ENSMUSG0 Bach1	640.7916	-0.08596	0.118167	-0.72747	0.466938	0.932514
ENSMUSG0 Faf2	202.0703	0.110019	0.147197	0.74743	0.454804	0.932514
ENSMUSG0 Idh1	201.7356	-0.10565	0.144714	-0.73003	0.465371	0.932514
ENSMUSG0 Map4k4	176.9283	0.106973	0.143276	0.74662	0.455293	0.932514
ENSMUSG0 Trip12	556.2639	0.088895	0.118935	0.747422	0.454809	0.932514
ENSMUSG0 Atg4b	128.509	-0.11602	0.157703	-0.73571	0.461905	0.932514
ENSMUSG0 Ing5	193.0514	0.103447	0.132656	0.779818	0.435498	0.932514
ENSMUSG0 Cyb5r1	138.871	-0.11474	0.15641	-0.73356	0.46322	0.932514
ENSMUSG0 Tmem63a	182.8818	-0.11392	0.152631	-0.74635	0.455457	0.932514
ENSMUSG0 Hsd17b12	109.0334	-0.12503	0.166946	-0.74895	0.453888	0.932514
ENSMUSG0 Ptpira	345.5396	-0.10226	0.133214	-0.76762	0.442712	0.932514
ENSMUSG01700037H0	118.8658	-0.11577	0.153109	-0.75616	0.449554	0.932514
ENSMUSG0 Snrpb	265.2927	-0.09247	0.125306	-0.73794	0.46055	0.932514
ENSMUSG0 Aar2	111.1699	-0.12213	0.158529	-0.77039	0.441066	0.932514
ENSMUSG0 Fam83d	1037.532	-0.08623	0.115532	-0.74637	0.455444	0.932514
ENSMUSG0 Ift80	115.1654	0.125264	0.160195	0.78195	0.434244	0.932514
ENSMUSG0 Slc6a17	203.9322	0.102191	0.139522	0.732441	0.4639	0.932514
ENSMUSG04933434E2	181.5219	-0.10238	0.136869	-0.74805	0.454429	0.932514
ENSMUSG0 Chrn2	192.5049	-0.09683	0.133003	-0.72799	0.466619	0.932514
ENSMUSG0 Papss1	167.829	0.106364	0.141612	0.751093	0.452597	0.932514
ENSMUSG0 Ash1l	518.7895	-0.08364	0.112385	-0.74424	0.456731	0.932514
ENSMUSG0 Lmna	227.7485	0.100702	0.133207	0.75598	0.449661	0.932514
ENSMUSG0 Fbxw7	749.9898	-0.0852	0.110216	-0.773	0.439524	0.932514
ENSMUSG0 Casp8ap2	211.2656	0.108333	0.140581	0.77061	0.440938	0.932514
ENSMUSG0 Map3k7	309.1586	0.10423	0.14158	0.736194	0.461613	0.932514
ENSMUSG0 Erp44	370.0486	-0.09954	0.127379	-0.78148	0.434523	0.932514
ENSMUSG0 Gba2	125.5793	0.118256	0.151656	0.779765	0.435529	0.932514
ENSMUSG0 Rgp1	391.0837	-0.09953	0.135765	-0.73307	0.463515	0.932514
ENSMUSG0 Srsf10	133.3895	0.120677	0.160695	0.750971	0.45267	0.932514
ENSMUSG0 Man2b2	243.5383	-0.10033	0.134438	-0.74632	0.455473	0.932514
ENSMUSG0 Aut2	375.6611	-0.08736	0.115411	-0.75694	0.449085	0.932514
ENSMUSG0 Ahcyl2	291.0605	0.095289	0.126878	0.751029	0.452635	0.932514
ENSMUSG0 Cct7	345.159	-0.09189	0.119697	-0.76771	0.442659	0.932514
ENSMUSG0 Arl8b	819.6935	-0.1033	0.13913	-0.7425	0.457783	0.932514
ENSMUSG0 Atf7ip	166.2437	-0.13247	0.173594	-0.76309	0.44541	0.932514
ENSMUSG0 Ercc2	138.7949	0.116493	0.157944	0.737559	0.460783	0.932514
ENSMUSG0 Psd3	313.7639	0.089017	0.120609	0.738063	0.460476	0.932514
ENSMUSG0 Stard10	179.1732	0.107321	0.141972	0.755933	0.449689	0.932514
ENSMUSG0 Pold3	263.9748	-0.09674	0.124612	-0.77633	0.437553	0.932514
ENSMUSG0 Rbbp7	327.0774	-0.08693	0.119406	-0.72802	0.466599	0.932514
ENSMUSG0 Hcfc1	518.6128	-0.10664	0.13935	-0.76523	0.444133	0.932514
ENSMUSG0 Erlin2	559.4774	-0.09316	0.124767	-0.74664	0.455279	0.932514
ENSMUSG0 Leprotl1	154.7379	-0.10958	0.141682	-0.77343	0.439266	0.932514
ENSMUSG0 Adam9	878.3472	0.078114	0.105315	0.741719	0.458258	0.932514
ENSMUSG0 Pcm1	265.0675	0.104452	0.139314	0.749764	0.453397	0.932514

ENSMUSG0 Dctn1	322.909	0.093579	0.124617	0.750934	0.452693	0.932514
ENSMUSG0 Rab27a	402.2479	0.102462	0.129819	0.78927	0.429954	0.932514
ENSMUSG0 Tcf12	443.4455	-0.08745	0.118607	-0.73735	0.460909	0.932514
ENSMUSG0 Rpl4	434.6017	0.092012	0.117755	0.781386	0.434575	0.932514
ENSMUSG0 Cmtm6	342.4885	0.085805	0.116247	0.738131	0.460435	0.932514
ENSMUSG0 Topbp1	424.0365	-0.08478	0.11338	-0.74773	0.454624	0.932514
ENSMUSG0 Mier3	118.6077	-0.11474	0.152257	-0.75357	0.45111	0.932514
ENSMUSG0 Ank2	730.5196	0.079785	0.109091	0.731363	0.464558	0.932514
ENSMUSG0 Sgpp2	238.7423	-0.11014	0.141546	-0.77813	0.43649	0.932514
ENSMUSG0 Fkbp1a	608.7633	-0.11377	0.145719	-0.78076	0.434943	0.932514
ENSMUSG0 Mycbp2	886.6074	0.088259	0.114494	0.77086	0.44079	0.932514
ENSMUSG0 Eri3	175.0408	0.113326	0.143863	0.787733	0.430853	0.932514
ENSMUSG0 Gadd45gip:	108.5072	0.11595	0.15624	0.742124	0.458012	0.932514
ENSMUSG0 Klf9	212.0916	0.104991	0.133482	0.786556	0.431542	0.932514
ENSMUSG0 Lgals3bp	1934.333	-0.06833	0.093887	-0.72783	0.46672	0.932514
ENSMUSG0 Ino80	105.1939	0.122105	0.165918	0.735935	0.46177	0.932514
ENSMUSG0 Chmp7	109.3946	0.121473	0.158187	0.767906	0.442543	0.932514
ENSMUSG0 Setd5	887.8171	-0.08375	0.114584	-0.73093	0.464824	0.932514
ENSMUSG0 Tut4	183.9055	0.124358	0.167801	0.741101	0.458632	0.932514
ENSMUSG0 Bmp2k	140.0298	-0.11386	0.146529	-0.77704	0.437134	0.932514
ENSMUSG0 Tmx4	620.8576	0.086993	0.111126	0.782834	0.433725	0.932514
ENSMUSG0 Cpsf7	288.4648	-0.1048	0.133515	-0.78492	0.4325	0.932514
ENSMUSG0 Dhcr24	662.4456	0.087954	0.112655	0.780741	0.434955	0.932514
ENSMUSG0 Eef2	2460.918	-0.07625	0.096364	-0.79123	0.42881	0.932514
ENSMUSG0 Nkx6-1	725.9222	0.080599	0.104205	0.773468	0.439245	0.932514
ENSMUSG0 Ids	9956.981	-0.12472	0.170314	-0.7323	0.463985	0.932514
ENSMUSG0 H2-Q4	167.3895	0.118556	0.162361	0.730201	0.465268	0.932514
ENSMUSG0 Cep135	137.2749	-0.11126	0.151009	-0.73676	0.461271	0.932514
ENSMUSG0 Phkb	121.0856	0.130813	0.164406	0.795668	0.426225	0.932514
ENSMUSG0 Trim67	140.2053	-0.11272	0.145811	-0.77303	0.439506	0.932514
ENSMUSG0 Ugg1	1038.577	0.093842	0.118899	0.789255	0.429963	0.932514
ENSMUSG0 Phc3	128.8172	0.110758	0.149318	0.741756	0.458235	0.932514
ENSMUSG0 Cdon	116.989	0.127503	0.17021	0.749094	0.4538	0.932514
ENSMUSG0 Usp5	595.966	0.079502	0.10593	0.750516	0.452944	0.932514
ENSMUSG0 Herc1	872.3804	-0.07126	0.097173	-0.7333	0.463376	0.932514
ENSMUSG0 Abcf1	134.7875	0.124598	0.158466	0.786277	0.431705	0.932514
ENSMUSG0 Cntnap2	119.4663	-0.1318	0.166399	-0.79207	0.428319	0.932514
ENSMUSG0 Gabbr2	638.2229	-0.09614	0.126525	-0.75983	0.447359	0.932514
ENSMUSG0 Pcf1	152.5097	-0.11198	0.151498	-0.73918	0.4598	0.932514
ENSMUSG0 Rhou	108.1909	-0.12179	0.163206	-0.74622	0.455535	0.932514
ENSMUSG0 Gramd1b	222.722	-0.10919	0.144485	-0.7557	0.449828	0.932514
ENSMUSG0 Mars	244.2821	-0.09743	0.132257	-0.73667	0.461324	0.932514
ENSMUSG0 Zfp609	276.6915	-0.09761	0.123351	-0.79129	0.428772	0.932514
ENSMUSG0 Wdr7	271.1654	-0.10204	0.131852	-0.77393	0.438974	0.932514
ENSMUSG0 Madd	483.863	0.090157	0.121622	0.741285	0.45852	0.932514
ENSMUSG0 Creg1	197.3507	0.100229	0.135384	0.740333	0.459098	0.932514
ENSMUSG0 Brca2	348.9244	0.133976	0.181452	0.738358	0.460297	0.932514
ENSMUSG0 Phf8	133.2161	-0.11858	0.157783	-0.75151	0.452344	0.932514
ENSMUSG0 Tcf20	512.992	-0.1011	0.132255	-0.76446	0.44459	0.932514
ENSMUSG0 Fam222a	134.0638	0.121023	0.158647	0.762848	0.445554	0.932514
ENSMUSG0 Isl1	837.8352	-0.07673	0.103703	-0.73987	0.459381	0.932514
ENSMUSG0 Arel1	305.715	-0.08757	0.119029	-0.73574	0.461887	0.932514

ENSMUSG0 Mier2	264.0194	0.097795	0.13015	0.751405	0.452409	0.932514
ENSMUSG0 Tmem18	107.0595	-0.11885	0.163002	-0.72916	0.465906	0.932514
ENSMUSG0 Mob1a	359.9687	-0.09728	0.127501	-0.76301	0.445458	0.932514
ENSMUSG0 Irf2bp1	141.8418	0.118669	0.149536	0.793584	0.427438	0.932514
ENSMUSG0 Arf6	221.3601	-0.09965	0.130961	-0.76089	0.446724	0.932514
ENSMUSG0 Foxo1	160.8921	-0.11195	0.142641	-0.78482	0.43256	0.932514
ENSMUSG0 Uqcrq	140.7341	0.12362	0.161758	0.764231	0.444729	0.932514
ENSMUSG0 Eif4g1	1369.153	0.069044	0.092772	0.744228	0.456739	0.932514
ENSMUSG0 Lrrc8d	278.4148	-0.09574	0.128109	-0.74731	0.454875	0.932514
ENSMUSG0 Tmem229b	550.0298	-0.08943	0.120028	-0.74507	0.456227	0.932514
ENSMUSG0 Cltc	2403.695	-0.08622	0.108399	-0.79536	0.426405	0.932514
ENSMUSG0 Mfap1b	131.8327	0.117938	0.152908	0.771299	0.440529	0.932514
ENSMUSG0 Lurap1l	107.104	-0.11997	0.156686	-0.76567	0.443872	0.932514
ENSMUSG0 Vps37c	233.2128	0.096585	0.130879	0.737966	0.460535	0.932514
ENSMUSG0 Minos1	206.4546	-0.10832	0.148728	-0.72828	0.466445	0.932514
ENSMUSG0 Taf7	181.9683	-0.11596	0.156512	-0.74089	0.458758	0.932514
ENSMUSG0 Ppp4r2	161.6018	0.118403	0.155919	0.759388	0.44762	0.932514
ENSMUSG0 Immt	218.3864	-0.10655	0.137931	-0.77248	0.439832	0.932514
ENSMUSG0 Plekhg3	163.8424	0.108183	0.141247	0.765912	0.443729	0.932514
ENSMUSG0 Mlt11	108.948	-0.12573	0.159079	-0.79034	0.429331	0.932514
ENSMUSG0 Ercc6	261.1479	-0.10528	0.132352	-0.79548	0.426336	0.932514
ENSMUSG0 Prr14l	567.6547	-0.11016	0.138764	-0.79387	0.427272	0.932514
ENSMUSG0 Phactr1	231.1762	0.112293	0.149036	0.753463	0.451172	0.932514
ENSMUSG0 Agap1	867.1606	-0.08241	0.109389	-0.75339	0.451217	0.932514
ENSMUSG0 Cope	500.5533	0.088572	0.117233	0.755518	0.449938	0.932514
ENSMUSG0 Emc7	111.4871	0.1197	0.154144	0.776549	0.437425	0.932514
ENSMUSG0 Ncoa4	543.0526	-0.10053	0.132867	-0.7566	0.449287	0.932514
ENSMUSG0 Ier5	149.3067	0.115748	0.159023	0.727872	0.466692	0.932514
ENSMUSG0 Rpl38	474.5433	-0.10667	0.135303	-0.7884	0.430464	0.932514
ENSMUSG0 Espl1	192.1963	-0.10009	0.133869	-0.74767	0.454657	0.932514
ENSMUSG0 Rgs3	352.0572	0.089895	0.11446	0.78538	0.432231	0.932514
ENSMUSG0 Rpl3	426.7422	-0.08767	0.116364	-0.7534	0.451211	0.932514
ENSMUSG0 Nsa2	117.791	-0.12751	0.160795	-0.793	0.427776	0.932514
ENSMUSG0 H2-K1	1265.869	-0.07173	0.093178	-0.76984	0.441394	0.932514
ENSMUSG0 Patj	132.8742	0.122919	0.163274	0.752836	0.451548	0.932514
ENSMUSG0 Lmn2	207.7692	0.104156	0.132312	0.787195	0.431168	0.932514
ENSMUSG0 Srpk2	165.041	0.111807	0.146624	0.762542	0.445736	0.932514
ENSMUSG0 Mysm1	151.8162	0.130013	0.169278	0.768043	0.442462	0.932514
ENSMUSG0 Numbl	271.3825	0.097848	0.126633	0.772687	0.439708	0.932514
ENSMUSG0 Alms1	183.3521	-0.11192	0.146851	-0.76211	0.445996	0.932514
ENSMUSG0 Nipal1	882.847	-0.09492	0.125777	-0.75466	0.450453	0.932514
ENSMUSG0 Rplp0	720.9261	-0.08699	0.109557	-0.79406	0.427162	0.932514
ENSMUSG0 Cdk7	143.0715	-0.11173	0.150104	-0.74433	0.456675	0.932514
ENSMUSG0 Psm3	238.3985	0.113635	0.151331	0.750908	0.452708	0.932514
ENSMUSG0 Map3k5	205.9444	0.121575	0.154273	0.788051	0.430667	0.932514
ENSMUSG0 B3gat3	138.951	0.111075	0.147132	0.754935	0.450288	0.932514
ENSMUSG0 Pgap1	993.6806	-0.08594	0.112791	-0.76193	0.446104	0.932514
ENSMUSG0 Hist2h3b	118.4159	-0.12694	0.160225	-0.79228	0.428197	0.932514
ENSMUSG0 Alg10b	163.0345	-0.11104	0.142486	-0.77928	0.435816	0.932514
ENSMUSG0 Chd2	198.6309	0.106936	0.138384	0.772745	0.439673	0.932514
ENSMUSG0 Ube2v1	251.298	-0.1112	0.149938	-0.74164	0.458303	0.932514
ENSMUSG0 Prps1l3	105.453	-0.12553	0.163805	-0.76633	0.443481	0.932514

ENSMUSG0 Ubl5	365.1663	-0.0965	0.122071	-0.79049	0.429239	0.932514
ENSMUSG0 Galnt2	441.6286	-0.09776	0.12386	-0.78926	0.42996	0.932514
ENSMUSG0 C2cd4b	371.3599	0.096979	0.124575	0.778482	0.436285	0.932514
ENSMUSG0 Tmem181b	115.5745	0.111755	0.153312	0.728937	0.46604	0.932514
ENSMUSG0 Pum1	130.3957	-0.11741	0.157997	-0.74313	0.457402	0.932514
ENSMUSG0 Kbtbd4	161.7037	-0.11322	0.150669	-0.75145	0.452379	0.932514
ENSMUSG0 Ogdhl	206.9008	-0.10241	0.140873	-0.72696	0.467252	0.932583
ENSMUSG0 Arhgap32	272.1447	-0.10028	0.138006	-0.72666	0.467435	0.932629
ENSMUSG0 Clstn1	579.1456	-0.07679	0.105732	-0.72623	0.467697	0.932832
ENSMUSG0 Orc6	103.3725	-0.11816	0.162854	-0.72559	0.468092	0.933301
ENSMUSG0 Dpagt1	410.2613	-0.09777	0.13483	-0.7251	0.46839	0.933397
ENSMUSG0 Hectd1	654.0467	-0.07887	0.108801	-0.72492	0.468501	0.933397
ENSMUSG0 Nudcd3	188.9469	-0.09851	0.135933	-0.72472	0.468621	0.933397
ENSMUSG0 Zfp592	229.2635	-0.10932	0.150936	-0.72426	0.468909	0.933488
ENSMUSG0 Nme1	163.1616	0.118147	0.163158	0.724128	0.468987	0.933488
ENSMUSG0 Ppp5c	115.5858	0.116521	0.161239	0.72266	0.469889	0.93403
ENSMUSG0 Yif1a	170.3154	-0.11094	0.15347	-0.7229	0.469742	0.93403
ENSMUSG0 Ryk	129.2208	-0.109	0.150919	-0.72223	0.470153	0.93403
ENSMUSG0 Colgalt1	375.4164	0.083474	0.115468	0.722918	0.46973	0.93403
ENSMUSG0 Apex1	117.7374	-0.11288	0.156323	-0.72212	0.470222	0.93403
ENSMUSG0 Zfp622	117.0698	-0.10982	0.152039	-0.72231	0.470105	0.93403
ENSMUSG0 Cops3	365.8738	0.092413	0.128224	0.720716	0.471084	0.934048
ENSMUSG0 Senp5	141.3637	-0.10795	0.149825	-0.72054	0.471192	0.934048
ENSMUSG0 Pum1	130.5261	-0.11346	0.1573	-0.72132	0.470711	0.934048
ENSMUSG0 Chsy1	381.877	-0.09279	0.128685	-0.72109	0.470852	0.934048
ENSMUSG0 Elf2	209.1152	0.102639	0.142268	0.721443	0.470637	0.934048
ENSMUSG0 Lrrc40	116.869	-0.11763	0.163253	-0.72054	0.47119	0.934048
ENSMUSG0 Taok1	435.0056	-0.09855	0.137052	-0.71903	0.472119	0.934568
ENSMUSG0 Acox1	297.5786	-0.09812	0.136337	-0.71966	0.471735	0.934568
ENSMUSG0 Hmgcl	120.9016	0.10868	0.151162	0.718965	0.472163	0.934568
ENSMUSG0 Elovl6	110.4411	-0.11844	0.164767	-0.71881	0.472257	0.934568
ENSMUSG0 Hexim1	165.9328	-0.09981	0.138785	-0.7192	0.472016	0.934568
ENSMUSG0 Fkbp9	900.976	0.06728	0.093733	0.717783	0.472891	0.934605
ENSMUSG0 Cog2	137.2232	-0.1147	0.159743	-0.71806	0.472722	0.934605
ENSMUSG0 Rnf139	251.2201	-0.1002	0.139592	-0.71783	0.472859	0.934605
ENSMUSG0 Gucy2c	384.3568	0.089355	0.124495	0.717741	0.472917	0.934605
ENSMUSG0 Eif1b	131.7906	-0.11526	0.160714	-0.71715	0.473284	0.93499
ENSMUSG0 Usp36	304.6086	0.09111	0.127134	0.716645	0.473593	0.93499
ENSMUSG0 Anapc13	364.8788	-0.08985	0.125373	-0.71665	0.473588	0.93499
ENSMUSG0 Clic4	254.2638	-0.09276	0.129586	-0.71585	0.474084	0.935641
ENSMUSG0 Ranbp3	143.635	0.103856	0.145267	0.714932	0.474651	0.936443
ENSMUSG0 Scrn1	186.5912	0.106805	0.149547	0.71419	0.47511	0.936714
ENSMUSG0 Heatr1	115.3758	-0.10945	0.153241	-0.71425	0.475075	0.936714
ENSMUSG0 Epb41l1	138.3534	0.116511	0.163341	0.713302	0.475659	0.93701
ENSMUSG0 Gnai2	655.3057	-0.08244	0.115543	-0.71353	0.47552	0.93701
ENSMUSG0 Rbpj	204.0352	0.100771	0.141352	0.712907	0.475904	0.93701
ENSMUSG0 Tnrc6a	3121.162	-0.12111	0.169848	-0.71302	0.475831	0.93701
ENSMUSG0 Ssr4	384.744	-0.10108	0.142426	-0.70972	0.477881	0.937224
ENSMUSG0 Emb	1463.364	-0.08528	0.119849	-0.71156	0.476735	0.937224
ENSMUSG0 Coa5	156.3343	-0.10418	0.146806	-0.70963	0.477934	0.937224
ENSMUSG0 Rps3a1	576.2293	0.085789	0.12087	0.709758	0.477854	0.937224
ENSMUSG0 Rnf6	143.8318	-0.10443	0.147185	-0.7095	0.478016	0.937224

ENSMUSG0Pde3b	955.1795	-0.07157	0.100588	-0.71154	0.476747	0.937224
ENSMUSG0Rsf1	147.3209	0.124344	0.174721	0.711671	0.476669	0.937224
ENSMUSG0Ralgapa2	260.8965	0.101123	0.14223	0.710981	0.477096	0.937224
ENSMUSG0Ttc13	278.9531	-0.09611	0.135289	-0.71041	0.477448	0.937224
ENSMUSG0Fam43a	249.4165	-0.08872	0.124909	-0.71028	0.477527	0.937224
ENSMUSG0Impdh2	840.6812	-0.0781	0.110101	-0.70936	0.478103	0.937224
ENSMUSG0Ssb	176.6895	-0.10682	0.150451	-0.70999	0.477712	0.937224
ENSMUSG0Nbdy	104.6864	-0.11146	0.156957	-0.71011	0.477638	0.937224
ENSMUSG0Ankrd33b	324.8873	0.083342	0.117674	0.708246	0.478792	0.938259
ENSMUSG0Taf1	288.0816	0.097294	0.137424	0.707987	0.478953	0.938259
ENSMUSG0Tmem230	139.8159	-0.11163	0.157808	-0.70737	0.479338	0.938382
ENSMUSG0Zfp866	192.3848	-0.09946	0.140556	-0.7076	0.479192	0.938382
ENSMUSG0Ints6	171.5147	0.102798	0.145492	0.706553	0.479844	0.938741
ENSMUSG0Mapk3	350.0423	-0.08373	0.118495	-0.70658	0.479829	0.938741
ENSMUSG0Pip4k2b	153.4798	0.106795	0.151416	0.705311	0.480616	0.938978
ENSMUSG0Acdb3	171.5841	-0.09872	0.139839	-0.70593	0.480231	0.938978
ENSMUSG0Smg7	267.5971	-0.10544	0.149443	-0.70554	0.480473	0.938978
ENSMUSG0Bod1	218.6327	-0.09425	0.133553	-0.70568	0.480389	0.938978
ENSMUSG0Dnajb14	153.8499	0.1057	0.149915	0.705063	0.480771	0.938978
ENSMUSG0Gdi1	454.51	-0.09718	0.137888	-0.70479	0.480939	0.938991
ENSMUSG0Aco2	478.8173	-0.09482	0.134695	-0.70397	0.481448	0.939042
ENSMUSG0St5	174.4171	-0.1017	0.144455	-0.70403	0.481416	0.939042
ENSMUSG0Akr1e1	128.0881	-0.1109	0.157488	-0.70418	0.481323	0.939042
ENSMUSG0Cherp	353.1918	-0.09554	0.135804	-0.70353	0.481725	0.939266
ENSMUSG0Wasf3	131.0849	-0.10991	0.156372	-0.70288	0.482131	0.939743
ENSMUSG0Tcf25	519.2021	-0.09194	0.131392	-0.69977	0.484069	0.94005
ENSMUSG0Cse1l	707.7701	-0.07915	0.114926	-0.68873	0.490995	0.94005
ENSMUSG0Cdkn1b	955.5044	-0.08431	0.122464	-0.68841	0.491192	0.94005
ENSMUSG0Eif2b5	171.8748	-0.09863	0.145396	-0.67832	0.497568	0.94005
ENSMUSG0Grik5	128.6772	0.10943	0.160351	0.682437	0.494963	0.94005
ENSMUSG0Reep5	494.7473	-0.07287	0.106937	-0.68147	0.495575	0.94005
ENSMUSG0Aprt	410.7842	0.095907	0.136763	0.70127	0.483135	0.94005
ENSMUSG0Clstn3	171.2449	0.10003	0.143116	0.698945	0.484587	0.94005
ENSMUSG0Tmem259	249.8064	-0.0874	0.126693	-0.68989	0.490261	0.94005
ENSMUSG0Golga7	269.1319	-0.09265	0.135619	-0.68314	0.494521	0.94005
ENSMUSG0Nbr1	284.8992	-0.09421	0.136744	-0.68894	0.490863	0.94005
ENSMUSG0Psm3	176.4149	0.097428	0.139473	0.698538	0.484841	0.94005
ENSMUSG0Stac2	111.4361	0.105647	0.153604	0.687792	0.491584	0.94005
ENSMUSG0Med1	218.0475	0.102303	0.149217	0.6856	0.492965	0.94005
ENSMUSG0Trove2	319.6096	-0.08112	0.120069	-0.67561	0.499286	0.94005
ENSMUSG0Mrpl58	121.7141	0.108313	0.159732	0.678091	0.497714	0.94005
ENSMUSG0H13	801.1938	-0.08028	0.118254	-0.67887	0.497218	0.94005
ENSMUSG0Akt3	318.6559	-0.08211	0.120836	-0.67953	0.496805	0.94005
ENSMUSG0Sgpl1	208.5271	0.095713	0.138785	0.68965	0.490414	0.94005
ENSMUSG0Xpo1	573.466	0.081578	0.12028	0.678237	0.497622	0.94005
ENSMUSG0Rgs9	133.0607	-0.10095	0.146729	-0.68802	0.491438	0.94005
ENSMUSG0Rhbf2	193.7776	0.091799	0.136177	0.674113	0.50024	0.94005
ENSMUSG0Dlg4	123.2386	0.105925	0.15864	0.667705	0.504322	0.94005
ENSMUSG0Trim27	127.784	0.112137	0.162298	0.690932	0.489608	0.94005
ENSMUSG0Ddx46	114.4502	-0.10447	0.152755	-0.68392	0.494025	0.94005
ENSMUSG0Ppif	212.5735	-0.08928	0.133243	-0.67006	0.502818	0.94005
ENSMUSG0Derl1	517.5164	-0.08274	0.118724	-0.69691	0.48586	0.94005

ENSMUSG0 C1qtnf6	214.1807	0.096906	0.139722	0.693563	0.487957	0.94005
ENSMUSG0 Ppil2	141.5222	0.106211	0.152881	0.694729	0.487225	0.94005
ENSMUSG0 Osbpl11	170.0563	-0.09892	0.145504	-0.67986	0.496591	0.94005
ENSMUSG0 Map3k12	178.677	-0.09948	0.145377	-0.68431	0.493781	0.94005
ENSMUSG0 Prmt5	129.7193	0.101053	0.147199	0.686505	0.492395	0.94005
ENSMUSG0 Brd2	568.4162	-0.0725	0.1048	-0.69176	0.489087	0.94005
ENSMUSG0 Yipf5	272.7336	-0.09286	0.138339	-0.67125	0.502062	0.94005
ENSMUSG0 Acsf5	300.919	-0.08967	0.128763	-0.69641	0.486174	0.94005
ENSMUSG0 Pard3	578.8359	-0.08927	0.133355	-0.66944	0.503215	0.94005
ENSMUSG0 Ube2w	116.6438	0.109743	0.160459	0.683933	0.494018	0.94005
ENSMUSG0 Ssf3b1	341.1391	-0.09102	0.129721	-0.70166	0.482894	0.94005
ENSMUSG0 Lancl1	131.1008	0.106385	0.152434	0.697905	0.485237	0.94005
ENSMUSG0 Il1r1	2612.765	0.056914	0.081319	0.699882	0.484001	0.94005
ENSMUSG0 Smap1	190.1418	-0.10396	0.154439	-0.67312	0.500869	0.94005
ENSMUSG0 Cnot9	445.2456	-0.08251	0.119885	-0.68822	0.491315	0.94005
ENSMUSG0 Relch	204.482	0.10467	0.156708	0.667933	0.504176	0.94005
ENSMUSG0 Ccnt2	375.5649	-0.09969	0.14267	-0.69871	0.484731	0.94005
ENSMUSG0 Acvr1	119.907	-0.11876	0.171831	-0.69112	0.489487	0.94005
ENSMUSG0 Stom	152.0941	0.101561	0.151525	0.670259	0.502693	0.94005
ENSMUSG0 Strbp	280.3564	-0.0992	0.142757	-0.69485	0.487146	0.94005
ENSMUSG0 Lin7c	151.1129	-0.09664	0.144267	-0.66989	0.502928	0.94005
ENSMUSG0 Polr3f	124.1751	0.103859	0.153097	0.678382	0.49753	0.94005
ENSMUSG0 Itch	166.2431	0.093836	0.139253	0.673849	0.500407	0.94005
ENSMUSG0 Anxa5	457.2885	-0.0886	0.127052	-0.69732	0.485603	0.94005
ENSMUSG0 Nfkb1	150.6739	0.107746	0.160317	0.672078	0.501534	0.94005
ENSMUSG0 Rnf11	158.146	-0.10372	0.154136	-0.67292	0.500999	0.94005
ENSMUSG0 Kif2c	172.8012	-0.09924	0.144862	-0.6851	0.493283	0.94005
ENSMUSG0 Pik3r3	105.3361	0.113458	0.162679	0.697437	0.485529	0.94005
ENSMUSG0 Srrm1	174.4649	-0.10942	0.163401	-0.66967	0.50307	0.94005
ENSMUSG0 Slc2a5	1963.932	-0.05894	0.085371	-0.69034	0.489982	0.94005
ENSMUSG0 Aacs	428.9537	0.079832	0.114158	0.699311	0.484358	0.94005
ENSMUSG0 Cdk8	417.5833	0.07392	0.108003	0.684422	0.493709	0.94005
ENSMUSG0 N4bp2l2	127.7507	-0.10991	0.162568	-0.67611	0.498968	0.94005
ENSMUSG0 Fam3c	187.1028	-0.09329	0.137885	-0.67659	0.498668	0.94005
ENSMUSG0 Herc3	275.9878	0.123096	0.176383	0.69789	0.485246	0.94005
ENSMUSG0 Pik3c2a	432.9246	-0.07676	0.112139	-0.68453	0.493641	0.94005
ENSMUSG0 Ino80e	182.8565	-0.09875	0.142302	-0.69396	0.487707	0.94005
ENSMUSG0 Nomo1	683.539	0.08348	0.123592	0.675451	0.49939	0.94005
ENSMUSG0 Dhx32	190.6899	0.092509	0.135978	0.680322	0.496301	0.94005
ENSMUSG0 Smarca5	322.4148	-0.08377	0.124873	-0.6708	0.502345	0.94005
ENSMUSG0 Mthfsd	107.5408	0.108558	0.159598	0.680199	0.496379	0.94005
ENSMUSG0 Smpd3	245.5816	0.086231	0.12604	0.684158	0.493876	0.94005
ENSMUSG0 Dpp8	297.7442	-0.0846	0.125214	-0.67565	0.499263	0.94005
ENSMUSG0 Lrrfip2	374.6911	-0.08512	0.127346	-0.66845	0.503847	0.94005
ENSMUSG0 Ip6k1	632.2809	-0.07165	0.104771	-0.68389	0.494042	0.94005
ENSMUSG0 Qars	297.3792	0.093356	0.137195	0.680461	0.496213	0.94005
ENSMUSG0 Srxn1	141.4765	-0.10568	0.156335	-0.67597	0.49906	0.94005
ENSMUSG0 Atp1a1	1747.107	-0.07265	0.10685	-0.67995	0.496536	0.94005
ENSMUSG0 Lpp	234.4295	-0.09067	0.131556	-0.68923	0.490677	0.94005
ENSMUSG0 Gcsh	106.6774	-0.10949	0.162105	-0.67541	0.499418	0.94005
ENSMUSG0 Zxdc	105.7817	0.110296	0.165215	0.667593	0.504394	0.94005
ENSMUSG0 Cobll1	202.2618	-0.09644	0.140255	-0.68757	0.491722	0.94005

ENSMUSG0Lars2	482186.4	-0.08366	0.125081	-0.66885	0.503591	0.94005
ENSMUSG0Tut7	182.6626	-0.0982	0.144872	-0.67784	0.497874	0.94005
ENSMUSG0Leng8	141.5692	-0.10745	0.159243	-0.67475	0.499835	0.94005
ENSMUSG0Oxsr1	265.4727	-0.08819	0.125717	-0.70153	0.482974	0.94005
ENSMUSG0Slc35b2	203.6088	0.090491	0.135238	0.669123	0.503417	0.94005
ENSMUSG0Samd10	122.3558	-0.10616	0.154195	-0.68847	0.49116	0.94005
ENSMUSG0Nfe2l1	825.1204	-0.07352	0.107383	-0.68461	0.493591	0.94005
ENSMUSG0Ost4	581.4155	-0.09462	0.135205	-0.6998	0.484054	0.94005
ENSMUSG0Foxk2	358.3966	0.085864	0.127311	0.674442	0.50003	0.94005
ENSMUSG0Tmem246	154.7625	-0.10287	0.147357	-0.69811	0.485111	0.94005
ENSMUSG0Plcb4	125.1421	-0.10644	0.159369	-0.66788	0.504211	0.94005
ENSMUSG0Zfp292	322.9385	-0.09619	0.13867	-0.69365	0.487903	0.94005
ENSMUSG0Klhl32	234.7022	0.087674	0.127654	0.686806	0.492205	0.94005
ENSMUSG0Rc3h1	200.6784	-0.09143	0.132539	-0.68982	0.490306	0.94005
ENSMUSG0Nup88	163.5297	0.095923	0.143295	0.669411	0.503233	0.94005
ENSMUSG0Eif4h	1114.93	-0.06279	0.091946	-0.68291	0.494662	0.94005
ENSMUSG0Tardbp	513.5086	-0.08479	0.123141	-0.68855	0.491105	0.94005
ENSMUSG0Stx3	459.923	-0.08521	0.12387	-0.68792	0.491502	0.94005
ENSMUSG0Ubr7	195.8748	0.094914	0.13648	0.695443	0.486778	0.94005
ENSMUSG0Fhdc1	438.6155	0.09139	0.133061	0.686828	0.492191	0.94005
ENSMUSG0Armc5	186.287	-0.09431	0.139966	-0.67384	0.500411	0.94005
ENSMUSG0Atxn2	149.6093	-0.11538	0.172431	-0.66914	0.503409	0.94005
ENSMUSG0Hirip3	131.9815	-0.11433	0.169731	-0.67357	0.500587	0.94005
ENSMUSG0Sft2d3	197.178	-0.09199	0.135684	-0.678	0.497774	0.94005
ENSMUSG0Rnf216	108.667	-0.11228	0.162845	-0.68949	0.490517	0.94005
ENSMUSG0Ermp1	229.8843	-0.09278	0.13587	-0.68288	0.494681	0.94005
ENSMUSG0C2cd3	203.9965	0.109955	0.157188	0.699516	0.48423	0.94005
ENSMUSG0Rps8	2488.622	0.077504	0.110854	0.699152	0.484457	0.94005
ENSMUSG0Syngn2	267.0479	-0.10207	0.151719	-0.67276	0.501098	0.94005
ENSMUSG0Socs4	206.0327	-0.0944	0.137688	-0.68564	0.492942	0.94005
ENSMUSG0Zfp710	114.6375	0.111583	0.162965	0.684706	0.493529	0.94005
ENSMUSG0Rapgef4	267.3187	-0.09365	0.135186	-0.69275	0.488468	0.94005
ENSMUSG0Sorl1	355.0795	0.092916	0.134247	0.692126	0.488858	0.94005
ENSMUSG0Glt1d1	363.0021	-0.08505	0.126608	-0.67174	0.501751	0.94005
ENSMUSG0Lgr4	122.8846	-0.10789	0.161049	-0.66992	0.50291	0.94005
ENSMUSG0Gdpdp1	251.0291	-0.09532	0.136499	-0.69834	0.484965	0.94005
ENSMUSG0Lifr	516.8986	-0.08041	0.117013	-0.68715	0.491987	0.94005
ENSMUSG0Spcs3	734.7444	-0.07952	0.116057	-0.68522	0.493208	0.94005
ENSMUSG0Map6	286.376	0.08783	0.127812	0.687181	0.491969	0.94005
ENSMUSG0Rtl6	119.4777	-0.10528	0.151936	-0.69295	0.48834	0.94005
ENSMUSG0Mia3	674.5053	-0.07672	0.114717	-0.6688	0.503625	0.94005
ENSMUSG0Rpl28-ps1	379.1099	-0.09411	0.138531	-0.67934	0.496922	0.94005
ENSMUSG0Hnrnpa3	1283.566	-0.07156	0.102811	-0.69607	0.486385	0.94005
ENSMUSG0Kbtbd2	618.511	0.093319	0.136687	0.682719	0.494785	0.94005
ENSMUSG0Grb2	186.7048	0.102233	0.147031	0.695314	0.486859	0.94005
ENSMUSG0Shisa1	342.5942	0.0853	0.125802	0.678049	0.497741	0.94005
ENSMUSG0D630045J1	233.1158	0.092056	0.136988	0.672003	0.501582	0.94005
ENSMUSG0Chd4	1090.253	0.074836	0.107357	0.697079	0.485753	0.94005
ENSMUSG0Cacng7	276.0495	-0.09092	0.133306	-0.68203	0.49522	0.94005
ENSMUSG0Eif3g	133.8384	-0.10228	0.150566	-0.67934	0.496925	0.94005
ENSMUSG0Ubxn1	113.7592	0.110062	0.158767	0.69323	0.488165	0.94005
ENSMUSG06820431F2	332.6144	-0.08716	0.128869	-0.67634	0.498827	0.94005

ENSMUSG0 Chst14	149.3429	0.102659	0.150128	0.683812	0.494094	0.94005
ENSMUSG0 Selenot	257.0155	-0.08686	0.129611	-0.67019	0.502734	0.94005
ENSMUSG0 Tarbp1	114.2004	-0.10618	0.153794	-0.6904	0.489944	0.94005
ENSMUSG0 Cacng7	275.9656	-0.08907	0.13328	-0.66827	0.503964	0.94005
ENSMUSG0 Atf7	341.1721	0.089708	0.128404	0.698636	0.48478	0.94005
ENSMUSG0 Gm48362	137.5363	0.102849	0.154	0.66785	0.50423	0.94005
ENSMUSG0 Agap3	200.778	0.089223	0.13374	0.667143	0.504681	0.940285
ENSMUSG0 Ppargc1a	153.6992	-0.11253	0.168769	-0.66675	0.504934	0.940456
ENSMUSG0 Mapk8ip3	245.617	0.089959	0.134975	0.666483	0.505102	0.940468
ENSMUSG0 Sdha	481.8476	0.079334	0.119102	0.666097	0.505349	0.940477
ENSMUSG0 Cop1	130.8394	0.101928	0.153162	0.665492	0.505736	0.940477
ENSMUSG0 Zfp646	189.5284	0.090341	0.135756	0.665466	0.505753	0.940477
ENSMUSG0 Rab7	478.5288	0.083813	0.125893	0.665746	0.505573	0.940477
ENSMUSG0 Brwd3	278.9697	-0.08824	0.132709	-0.66488	0.506126	0.940871
ENSMUSG0 Yeats4	115.4742	0.106876	0.160901	0.664237	0.506539	0.940954
ENSMUSG0 Tsc1	242.1148	0.088298	0.132869	0.664551	0.506337	0.940954
ENSMUSG0 Adnp2	164.8202	-0.09461	0.142469	-0.66406	0.506655	0.940954
ENSMUSG0 Idh3a	285.7825	-0.1001	0.150796	-0.66379	0.506827	0.940973
ENSMUSG0 Mnx1	196.3753	-0.0919	0.13857	-0.66324	0.507178	0.941025
ENSMUSG0 Hs6st1	195.8416	-0.09445	0.1424	-0.6633	0.507136	0.941025
ENSMUSG0 Epn2	109.6763	0.107104	0.16206	0.66089	0.508683	0.941965
ENSMUSG0 Araf	220.9217	-0.09002	0.137349	-0.65541	0.512206	0.941965
ENSMUSG0 Rtcb	253.3216	-0.08178	0.124014	-0.65942	0.509626	0.941965
ENSMUSG0 Kcnh6	128.15	-0.10239	0.155054	-0.66034	0.509035	0.941965
ENSMUSG0 Klf4	128.0821	-0.09951	0.151289	-0.65778	0.510682	0.941965
ENSMUSG0 Timm50	126.8979	-0.09925	0.153534	-0.64645	0.517991	0.941965
ENSMUSG0 Txn2	195.6688	-0.0884	0.135883	-0.65059	0.515309	0.941965
ENSMUSG0 Mcm5	522.4566	-0.07049	0.107138	-0.65794	0.510579	0.941965
ENSMUSG0 Naa60	159.5505	-0.10761	0.165877	-0.64871	0.516524	0.941965
ENSMUSG0 Kansl3	233.4785	0.087649	0.133316	0.657447	0.510893	0.941965
ENSMUSG0 Edf1	148.8867	-0.09749	0.147282	-0.66196	0.507998	0.941965
ENSMUSG0 Pcolce2	279.935	0.095256	0.147293	0.646709	0.51782	0.941965
ENSMUSG0 Tab2	433.2163	-0.08241	0.127272	-0.64753	0.517286	0.941965
ENSMUSG0 Cbx1	247.449	0.085564	0.130172	0.657316	0.510978	0.941965
ENSMUSG0 Sec63	319.4866	0.090549	0.137544	0.658326	0.510329	0.941965
ENSMUSG0 Txnrd1	486.2036	0.075923	0.115369	0.658091	0.51048	0.941965
ENSMUSG0 Vipas39	119.5278	-0.10514	0.159449	-0.65938	0.509653	0.941965
ENSMUSG0 Psmc1	137.6928	-0.10131	0.155763	-0.65042	0.515422	0.941965
ENSMUSG0 Pfkp	451.6921	0.071897	0.109538	0.656372	0.511585	0.941965
ENSMUSG0 Ncbp2	127.044	-0.10678	0.164308	-0.6499	0.515759	0.941965
ENSMUSG0 Thada	109.9611	-0.10279	0.158901	-0.64689	0.517705	0.941965
ENSMUSG0 Galr1	198.833	0.093209	0.142475	0.654211	0.512976	0.941965
ENSMUSG0 Adpgk	289.83	0.082351	0.12589	0.654148	0.513016	0.941965
ENSMUSG0 Copg2	206.6344	-0.08735	0.134981	-0.64711	0.517559	0.941965
ENSMUSG0 Tmem131	170.3695	-0.09157	0.141674	-0.64632	0.518074	0.941965
ENSMUSG0 Agfg1	557.4885	-0.08878	0.136177	-0.65193	0.514443	0.941965
ENSMUSG0 Arl8a	159.0989	-0.09477	0.145809	-0.64999	0.515699	0.941965
ENSMUSG0 Stxbp1	809.8443	-0.06223	0.096211	-0.64681	0.517754	0.941965
ENSMUSG0 Slc4a10	103.2765	-0.1068	0.164924	-0.64758	0.517259	0.941965
ENSMUSG0 Itga6	1121.253	0.066918	0.103591	0.645983	0.518291	0.941965
ENSMUSG0 Helz2	140.7522	-0.0978	0.150616	-0.64936	0.516105	0.941965
ENSMUSG0 Crtc2	131.8621	-0.09815	0.148896	-0.65916	0.509796	0.941965

ENSMUSG0 Sass6	105.4649	-0.10762	0.163773	-0.65715	0.511082	0.941965
ENSMUSG0 Ptbp2	174.3414	-0.0893	0.137686	-0.64861	0.516593	0.941965
ENSMUSG0 Faxc	120.6221	-0.09952	0.153225	-0.6495	0.516016	0.941965
ENSMUSG0 Pdlim5	117.1021	-0.09909	0.151375	-0.65459	0.512734	0.941965
ENSMUSG0 Rars2	120.2137	0.114452	0.177153	0.646067	0.518236	0.941965
ENSMUSG0 C9orf72	127.7165	-0.09814	0.148934	-0.65896	0.509922	0.941965
ENSMUSG0 Commd8	151.6006	-0.10953	0.166914	-0.65621	0.511686	0.941965
ENSMUSG0 Fbxl14	214.6291	-0.09041	0.136982	-0.66005	0.509224	0.941965
ENSMUSG0 Atrx	406.9051	0.083311	0.127758	0.652096	0.514339	0.941965
ENSMUSG0 Cotl1	108.9601	-0.10267	0.158785	-0.64657	0.51791	0.941965
ENSMUSG0 Tmem131l	494.7164	0.090296	0.137385	0.657247	0.511022	0.941965
ENSMUSG0 Dync1li2	286.1558	0.096085	0.147772	0.650229	0.515544	0.941965
ENSMUSG0 Fnip1	559.0564	-0.08165	0.125264	-0.65186	0.514495	0.941965
ENSMUSG0 Cdh8	361.2671	-0.08159	0.124252	-0.65664	0.511412	0.941965
ENSMUSG0 Snrk	276.3091	0.086015	0.131196	0.655623	0.512067	0.941965
ENSMUSG0 Itpkb	505.86	-0.06866	0.105123	-0.65309	0.513696	0.941965
ENSMUSG0 Daglb	138.9258	0.096701	0.149447	0.647056	0.517596	0.941965
ENSMUSG0 Fndc3b	761.7663	-0.07445	0.115274	-0.64588	0.518356	0.941965
ENSMUSG0 Bahcc1	180.9991	-0.09293	0.143632	-0.64702	0.517619	0.941965
ENSMUSG0 Alkbh4	191.1094	-0.09006	0.136314	-0.6607	0.508803	0.941965
ENSMUSG0 Maob	428.5764	-0.0762	0.116802	-0.65242	0.514128	0.941965
ENSMUSG0 Tmem108	287.003	-0.10072	0.155228	-0.64884	0.516444	0.941965
ENSMUSG0 Dock5	173.4693	-0.09473	0.146043	-0.64863	0.516579	0.941965
ENSMUSG0 Tent5c	479.9815	-0.07423	0.113021	-0.65679	0.511316	0.941965
ENSMUSG0 Cldn12	249.5354	0.092654	0.142536	0.650039	0.515667	0.941965
ENSMUSG0 Vat1l	748.58	0.063779	0.098682	0.646315	0.518075	0.941965
ENSMUSG0 Tspyl1	312.8559	0.083048	0.127511	0.651301	0.514852	0.941965
ENSMUSG0 Pigm	686.1758	-0.07528	0.114933	-0.65499	0.512475	0.941965
ENSMUSG0 Rnf7	294.0838	-0.08007	0.123343	-0.64916	0.516235	0.941965
ENSMUSG0 Mpp3	218.0302	-0.08791	0.132888	-0.66157	0.508247	0.941965
ENSMUSG0 BC004004	172.6119	-0.09557	0.147498	-0.64796	0.517011	0.941965
ENSMUSG0 Unc80	293.7791	-0.08811	0.134761	-0.65383	0.513223	0.941965
ENSMUSG0 Ethe1	154.5088	-0.09546	0.14758	-0.64686	0.517724	0.941965
ENSMUSG0 Tmem189	238.4193	-0.08899	0.136424	-0.6523	0.51421	0.941965
ENSMUSG0 Cic	560.0702	0.087584	0.135779	0.645048	0.518896	0.942062
ENSMUSG0 Ezh1	223.7939	0.089639	0.139045	0.64468	0.519135	0.942062
ENSMUSG0 Ttc39b	188.7295	-0.09087	0.140988	-0.64455	0.519217	0.942062
ENSMUSG0 Rcan3	845.7559	0.067995	0.105399	0.645113	0.518854	0.942062
ENSMUSG0 Rpl13a	507.6439	0.070516	0.109292	0.645205	0.518794	0.942062
ENSMUSG0 Csmd2	262.4006	-0.08984	0.139504	-0.64397	0.519594	0.942158
ENSMUSG0 Mgat2	247.6561	0.081438	0.126418	0.6442	0.519446	0.942158
ENSMUSG0 Hspa5	1712.525	0.060819	0.094502	0.643577	0.51985	0.942329
ENSMUSG0 Kansl2	166.6006	-0.09172	0.142577	-0.6433	0.520031	0.942365
ENSMUSG0 Atp6v1f	170.3598	-0.09851	0.153434	-0.64203	0.520852	0.94268
ENSMUSG0 Scg3	615.0139	-0.0865	0.134666	-0.64231	0.520673	0.94268
ENSMUSG0 2700049A0	148.438	-0.09303	0.144853	-0.64223	0.520721	0.94268
ENSMUSG0 Jmjd1c	276.8703	0.081388	0.126713	0.642304	0.520676	0.94268
ENSMUSG0 Stk40	215.2458	0.086125	0.134218	0.641675	0.521084	0.942806
ENSMUSG0 Tnks2	743.3304	0.064558	0.100705	0.641067	0.521479	0.943228
ENSMUSG0 Asic1	123.8874	-0.09676	0.151067	-0.64052	0.521833	0.943576
ENSMUSG0 Gramd3	1005.587	-0.08024	0.125936	-0.63714	0.524032	0.944013
ENSMUSG0 Crk	622.9685	0.065125	0.101859	0.639364	0.522586	0.944013

ENSMUSG0 Pxdn	513.9335	0.075836	0.119465	0.634797	0.525561	0.944013
ENSMUSG0 Cpd	606.9934	-0.06911	0.108548	-0.63666	0.524347	0.944013
ENSMUSG0 Psm6	159.6228	-0.09238	0.145213	-0.63615	0.524681	0.944013
ENSMUSG0 Samm50	103.3222	0.099165	0.156251	0.634653	0.525655	0.944013
ENSMUSG0 Gart	139.5931	0.095772	0.150545	0.636164	0.52467	0.944013
ENSMUSG0 Flnb	825.7641	0.0733	0.115103	0.636819	0.524243	0.944013
ENSMUSG0 Adipor1	389.8172	-0.07536	0.118534	-0.63577	0.524929	0.944013
ENSMUSG0 Tmem56	358.68	-0.07943	0.125195	-0.63443	0.525802	0.944013
ENSMUSG0 Erp29	404.2824	-0.07289	0.114353	-0.63738	0.523875	0.944013
ENSMUSG0 Pkm	2162.587	0.052381	0.08211	0.637942	0.523512	0.944013
ENSMUSG0 Nptn	607.4672	-0.08749	0.137164	-0.63786	0.523564	0.944013
ENSMUSG0 Flcn	455.7057	-0.07108	0.111931	-0.63507	0.52538	0.944013
ENSMUSG0 Grn	1196.374	-0.06729	0.105839	-0.63574	0.524944	0.944013
ENSMUSG0 Grip1	180.1595	-0.09265	0.145146	-0.63831	0.523274	0.944013
ENSMUSG0 Letmd1	181.8974	-0.09305	0.146498	-0.63519	0.525307	0.944013
ENSMUSG0 Pigk	118.9223	-0.10133	0.159527	-0.6352	0.525296	0.944013
ENSMUSG0 Utp15	119.2722	-0.09949	0.156276	-0.63666	0.524349	0.944013
ENSMUSG0 Pura	171.1346	-0.08875	0.13978	-0.6349	0.525491	0.944013
ENSMUSG0 Nt5dc3	150.4261	-0.09179	0.144136	-0.63683	0.524233	0.944013
ENSMUSG0 Aes	608.4129	-0.08254	0.129516	-0.6373	0.52393	0.944013
ENSMUSG0 Znrf2	255.5936	-0.08455	0.132918	-0.63613	0.524692	0.944013
ENSMUSG0 Sccpdh	124.9219	-0.09827	0.154969	-0.63412	0.526003	0.944082
ENSMUSG0 Pik3r1	1346.718	-0.07593	0.119855	-0.63352	0.526393	0.944492
ENSMUSG0 Pkdcc	730.8644	0.068562	0.108353	0.632764	0.526888	0.945089
ENSMUSG0 Usp49	336.9776	-0.08627	0.13659	-0.63161	0.527643	0.946151
ENSMUSG0 Actr1b	283.788	-0.08355	0.132418	-0.63097	0.528063	0.946615
ENSMUSG0 Slc16a3	576.1234	-0.09523	0.151102	-0.63025	0.52853	0.946867
ENSMUSG0 Fam160a1	115.9092	-0.10421	0.165299	-0.63043	0.528411	0.946867
ENSMUSG0 Wdr47	251.6928	-0.08233	0.130687	-0.62997	0.528716	0.946911
ENSMUSG0 Ift122	113.8483	0.101217	0.160896	0.629085	0.529293	0.947361
ENSMUSG0 Ddx17	416.8266	0.075156	0.119487	0.628986	0.529358	0.947361
ENSMUSG0 Nsd2	573.5862	-0.0782	0.12435	-0.62884	0.529456	0.947361
ENSMUSG0 Otub1	446.0956	-0.07796	0.124033	-0.62851	0.52967	0.947454
ENSMUSG0 Dld	154.3494	-0.09726	0.155219	-0.62659	0.530931	0.947804
ENSMUSG0 Sufu	107.2077	-0.10158	0.161836	-0.62767	0.530218	0.947804
ENSMUSG0 Rnpepl1	528.6468	0.069827	0.111205	0.627913	0.530061	0.947804
ENSMUSG0 Cep250	169.0775	0.098606	0.157398	0.626473	0.531004	0.947804
ENSMUSG0 Dock8	106.9129	-0.09815	0.156661	-0.62652	0.530975	0.947804
ENSMUSG0 Usp21	108.0278	-0.10037	0.160019	-0.62722	0.530515	0.947804
ENSMUSG0 Gm15681	404.2826	-0.08231	0.131247	-0.62716	0.530556	0.947804
ENSMUSG0 Igsf8	425.2542	0.075232	0.12022	0.625785	0.531456	0.94832
ENSMUSG0 Dnajc5	359.0822	0.076264	0.122489	0.622617	0.533536	0.948966
ENSMUSG0 Uba1	1540.388	-0.05855	0.09448	-0.61966	0.535481	0.948966
ENSMUSG0 Trpm5	169.7981	-0.08576	0.138324	-0.61998	0.535268	0.948966
ENSMUSG0 Ehmt2	272.8218	-0.08286	0.132989	-0.62306	0.533248	0.948966
ENSMUSG0 Map2k3	278.2861	-0.07908	0.127648	-0.61953	0.535565	0.948966
ENSMUSG0 Atp2b1	665.5685	0.069912	0.112191	0.623149	0.533187	0.948966
ENSMUSG0 Rhobtb1	120.318	0.100603	0.161913	0.621344	0.534373	0.948966
ENSMUSG0 Hagh	121.0983	0.097036	0.156626	0.61954	0.53556	0.948966
ENSMUSG0 Pam	1793.425	0.067669	0.109024	0.620675	0.534814	0.948966
ENSMUSG0 Rab22a	147.3293	0.097722	0.156606	0.624003	0.532626	0.948966
ENSMUSG0 Ufm1	221.6155	-0.08509	0.137155	-0.62038	0.535008	0.948966

ENSMUSG0Yars	201.1754	0.092854	0.149317	0.621857	0.534036	0.948966
ENSMUSG0Ppp2r2c	445.0736	0.067023	0.10779	0.621792	0.534079	0.948966
ENSMUSG0Spcs2	671.7662	0.060938	0.098033	0.621607	0.5342	0.948966
ENSMUSG0Tusc3	264.9819	-0.08315	0.13332	-0.6237	0.532828	0.948966
ENSMUSG0Ppm1e	138.5341	-0.09207	0.14832	-0.62076	0.534759	0.948966
ENSMUSG0Jun	148.6105	-0.08938	0.143619	-0.62231	0.533736	0.948966
ENSMUSG0B4galt6	279.0324	-0.07767	0.125049	-0.62109	0.53454	0.948966
ENSMUSG0Zfp516	1085.488	0.058925	0.094339	0.62461	0.532227	0.948966
ENSMUSG0Vwa8	200.0567	0.088154	0.14224	0.619757	0.535418	0.948966
ENSMUSG0Atxn7l3	445.8186	0.068596	0.110425	0.621204	0.534465	0.948966
ENSMUSG0Smim10l1	110.3908	0.103567	0.166831	0.620793	0.534736	0.948966
ENSMUSG0Lrch4	552.3143	-0.07144	0.114809	-0.62226	0.533771	0.948966
ENSMUSG0Reps1	169.6768	-0.08733	0.141136	-0.61874	0.536089	0.949237
ENSMUSG0Scyl1	179.0783	0.087969	0.142404	0.617744	0.536744	0.949237
ENSMUSG0Hax1	107.061	-0.09681	0.156583	-0.61825	0.536408	0.949237
ENSMUSG0Ddx54	209.0948	0.083118	0.135074	0.615348	0.538325	0.949237
ENSMUSG0Irak1	177.1434	-0.0878	0.142349	-0.6168	0.537368	0.949237
ENSMUSG0Cln6	2277.784	-0.06299	0.101962	-0.61774	0.536745	0.949237
ENSMUSG0Pdcd6ip	546.7174	-0.06823	0.110822	-0.61568	0.538105	0.949237
ENSMUSG0Slc43a2	896.9955	0.070971	0.11495	0.617406	0.536967	0.949237
ENSMUSG0Morc3	250.2476	-0.07868	0.127725	-0.61605	0.537861	0.949237
ENSMUSG0Cdk13	267.7829	-0.08112	0.131616	-0.61638	0.537645	0.949237
ENSMUSG0Ipo11	209.7525	-0.08693	0.140817	-0.61732	0.537024	0.949237
ENSMUSG0Msx1	158.9998	-0.08632	0.140272	-0.61538	0.538301	0.949237
ENSMUSG0Pbx1	113.5663	-0.09486	0.154161	-0.61535	0.538323	0.949237
ENSMUSG0Tgoln1	516.8981	0.06948	0.1124	0.61815	0.536477	0.949237
ENSMUSG0Slc9a6	125.4611	-0.10198	0.164782	-0.6189	0.535983	0.949237
ENSMUSG0Nnat	1169.666	0.076191	0.123479	0.617031	0.537215	0.949237
ENSMUSG0Sap130	140.5642	-0.10039	0.163326	-0.61468	0.538768	0.949444
ENSMUSG0Mreg	290.8093	0.077598	0.126204	0.614858	0.538648	0.949444
ENSMUSG0Taf15	310.2604	0.082833	0.134899	0.614035	0.539192	0.949767
ENSMUSG0Anapc2	225.9145	0.081199	0.132319	0.613659	0.53944	0.949767
ENSMUSG0Tmcc2	204.2279	0.084224	0.13724	0.613696	0.539416	0.949767
ENSMUSG0Bbs1	116.666	0.09203	0.150327	0.612198	0.540407	0.951028
ENSMUSG0Ggnbp2	195.1975	0.083737	0.136917	0.611589	0.54081	0.951028
ENSMUSG0Tfdp2	133.4979	-0.09617	0.157178	-0.61186	0.540629	0.951028
ENSMUSG0Pomt2	600.8272	0.073868	0.120739	0.611802	0.540669	0.951028
ENSMUSG0Klc1	313.3683	0.077872	0.127546	0.610539	0.541505	0.951586
ENSMUSG0Sympk	287.4506	0.083542	0.136815	0.610624	0.541449	0.951586
ENSMUSG0Mrpl15	115.2113	-0.09332	0.152905	-0.61029	0.54167	0.951586
ENSMUSG0Gm7536	133.6731	-0.10417	0.170736	-0.61012	0.54178	0.951586
ENSMUSG0Wls	454.7054	-0.07654	0.125685	-0.60897	0.542546	0.952373
ENSMUSG0Mcl1	1296.89	0.054793	0.089979	0.608954	0.542555	0.952373
ENSMUSG0Ddx3x	726.9779	0.062408	0.102822	0.606951	0.543883	0.952738
ENSMUSG0Sec24b	241.321	-0.08721	0.143775	-0.60656	0.544143	0.952738
ENSMUSG0Ergic1	572.7341	-0.07609	0.125674	-0.60544	0.544889	0.952738
ENSMUSG0Dubr	119.5556	0.104898	0.172828	0.606952	0.543883	0.952738
ENSMUSG0Acsl4	260.1828	-0.08238	0.135513	-0.60788	0.543269	0.952738
ENSMUSG0Adgrg1	3557.962	0.058537	0.096418	0.607116	0.543774	0.952738
ENSMUSG0Slc26a2	695.9747	0.076758	0.1267	0.605821	0.544634	0.952738
ENSMUSG0Mrpl34	110.3969	-0.09552	0.157725	-0.60561	0.544771	0.952738
ENSMUSG0Dcaf17	113.166	-0.09462	0.156004	-0.6065	0.544182	0.952738

ENSMUSG0Tmem64	180.1176	-0.08376	0.137862	-0.60755	0.543487	0.952738
ENSMUSG0Bex3	512.2154	-0.07824	0.129206	-0.60556	0.544807	0.952738
ENSMUSG0Ltn1	519.6778	-0.06884	0.113572	-0.60618	0.544397	0.952738
ENSMUSG0Selenom	138.5229	0.091845	0.151167	0.607574	0.54347	0.952738
ENSMUSG0Ago1	454.3937	-0.07175	0.118623	-0.60486	0.545273	0.953123
ENSMUSG0Grk5	264.2035	-0.08228	0.1367	-0.60193	0.54722	0.953247
ENSMUSG0Tmem87b	633.065	-0.07031	0.116644	-0.60277	0.546659	0.953247
ENSMUSG0Rbm26	122.8802	-0.09612	0.159465	-0.60278	0.546656	0.953247
ENSMUSG0Slc35a5	117.4612	-0.1013	0.168673	-0.60057	0.548125	0.953247
ENSMUSG0Mgea5	218.7805	0.083211	0.138472	0.600927	0.547889	0.953247
ENSMUSG0Snph	184.7536	-0.08559	0.142611	-0.6002	0.548376	0.953247
ENSMUSG0Sgf29	122.1452	-0.0936	0.156003	-0.59996	0.548535	0.953247
ENSMUSG0Sorbs2	1941.69	-0.05643	0.093796	-0.60158	0.547452	0.953247
ENSMUSG0Gpc1	200.897	0.082824	0.13725	0.603455	0.546206	0.953247
ENSMUSG0Ssh2	346.0961	0.092922	0.153943	0.603611	0.546102	0.953247
ENSMUSG0Pigs	577.7797	-0.06451	0.107354	-0.60095	0.547871	0.953247
ENSMUSG0Zfp410	164.209	-0.08445	0.140399	-0.6015	0.547506	0.953247
ENSMUSG0Fzd5	124.4918	0.096271	0.160169	0.601059	0.5478	0.953247
ENSMUSG0Igf2	39751.26	-0.06235	0.10351	-0.60232	0.54696	0.953247
ENSMUSG0Ero1lb	19719.61	-0.05585	0.093103	-0.59984	0.548616	0.953247
ENSMUSG0Npm1	325.1921	-0.07223	0.120159	-0.60114	0.547748	0.953247
ENSMUSG0Rpl17	167.3533	-0.09037	0.150491	-0.60053	0.548152	0.953247
ENSMUSG0Sars	208.526	-0.0823	0.136305	-0.60382	0.545962	0.953247
ENSMUSG0Csnk2a1	377.9637	-0.0745	0.12413	-0.60018	0.548389	0.953247
ENSMUSG0Uqcrc1	241.918	-0.08275	0.13692	-0.60436	0.545603	0.953247
ENSMUSG0Rnase4	258.3552	-0.09262	0.154834	-0.59817	0.549726	0.953491
ENSMUSG0Slc11a2	157.9924	-0.09608	0.16063	-0.59814	0.549749	0.953491
ENSMUSG0Scamp3	312.2158	-0.09666	0.161528	-0.59841	0.549564	0.953491
ENSMUSG0Uaca	129.5778	-0.09068	0.151396	-0.59895	0.549203	0.953491
ENSMUSG0Polr3g	138.8943	0.093224	0.155704	0.598724	0.549357	0.953491
ENSMUSG0Mbd5	119.5618	-0.09696	0.162173	-0.59791	0.549902	0.953491
ENSMUSG0Tapbp1	108.3874	0.09252	0.154614	0.598393	0.549578	0.953491
ENSMUSG0Rab5b	153.2416	-0.08354	0.14619	-0.57148	0.567676	0.953503
ENSMUSG0Hars	151.9376	0.080997	0.141598	0.572025	0.567305	0.953503
ENSMUSG0Sdf2	243.8955	0.074068	0.129576	0.571616	0.567582	0.953503
ENSMUSG0Gtf2f1	138.3611	-0.09423	0.163347	-0.57688	0.56402	0.953503
ENSMUSG0Atp5d	115.6087	-0.08923	0.158508	-0.56296	0.57346	0.953503
ENSMUSG0Cyth2	126.4378	0.089264	0.152596	0.584969	0.558569	0.953503
ENSMUSG0Pld3	373.6445	0.087733	0.14861	0.590356	0.554952	0.953503
ENSMUSG0Fbxo11	122.7285	0.092159	0.155856	0.59131	0.554313	0.953503
ENSMUSG0Tgfbr1	367.9577	0.074227	0.12537	0.592067	0.553806	0.953503
ENSMUSG0Vac14	125.2715	-0.09071	0.153948	-0.58923	0.555704	0.953503
ENSMUSG0Ddx19a	263.7637	-0.07534	0.128454	-0.58653	0.557516	0.953503
ENSMUSG0Setdb1	272.6901	-0.07436	0.131801	-0.56415	0.572649	0.953503
ENSMUSG0Dstn	861.4251	-0.06536	0.115949	-0.56367	0.57298	0.953503
ENSMUSG0Mpp2	178.6959	0.081487	0.144059	0.565654	0.571629	0.953503
ENSMUSG0Trim37	352.1583	0.074983	0.127613	0.587582	0.556813	0.953503
ENSMUSG0P4ha2	115.05	0.095054	0.162159	0.586175	0.557758	0.953503
ENSMUSG0Slc16a10	1242.179	-0.06179	0.10386	-0.59495	0.551877	0.953503
ENSMUSG0Ddx21	151.8658	-0.09137	0.15446	-0.59153	0.554168	0.953503
ENSMUSG0Tysnd1	130.011	-0.08755	0.154185	-0.5678	0.57017	0.953503
ENSMUSG0Rab1a	629.9003	-0.06488	0.113764	-0.57026	0.5685	0.953503

ENSMUSG0 Mdm2	231.4926	0.081724	0.142245	0.574533	0.565607	0.953503
ENSMUSG0 Drg2	109.7577	-0.09347	0.159371	-0.5865	0.55754	0.953503
ENSMUSG0 Tmem94	194.7004	0.085097	0.145538	0.584711	0.558742	0.953503
ENSMUSG0 Ncbp3	154.6598	0.093641	0.158369	0.591285	0.55433	0.953503
ENSMUSG0 Pimreg	114.1161	-0.09165	0.161992	-0.56575	0.571565	0.953503
ENSMUSG0 Slc35b1	712.85	-0.05903	0.104085	-0.56711	0.570643	0.953503
ENSMUSG0 Rps6ka5	104.6117	-0.09366	0.165122	-0.56725	0.570547	0.953503
ENSMUSG0 Tecpr2	118.1055	-0.08604	0.151737	-0.56706	0.57067	0.953503
ENSMUSG0 Mbnl2	202.0684	-0.09344	0.159957	-0.58417	0.559104	0.953503
ENSMUSG0 Deptor	123.7244	-0.0871	0.150858	-0.57739	0.563678	0.953503
ENSMUSG0 Zbtb11	114.5587	0.091001	0.153681	0.592141	0.553756	0.953503
ENSMUSG0 Kif21a	478.5102	-0.07234	0.128553	-0.5627	0.573642	0.953503
ENSMUSG0 Ece2	175.3637	0.07849	0.139324	0.563364	0.573187	0.953503
ENSMUSG0 Robo1	239.4993	-0.08138	0.137377	-0.59236	0.553607	0.953503
ENSMUSG0 Ets2	137.9093	-0.0885	0.149463	-0.59214	0.553754	0.953503
ENSMUSG0 Tpi1	490.8191	-0.06063	0.107199	-0.56562	0.57165	0.953503
ENSMUSG0 Nr3c1	326.1909	-0.06993	0.122784	-0.56957	0.568972	0.953503
ENSMUSG0 Lars	303.8899	-0.06966	0.12281	-0.56719	0.570585	0.953503
ENSMUSG0 Smad4	211.4002	0.079289	0.137244	0.577722	0.563451	0.953503
ENSMUSG0 Hmgxb3	125.0955	-0.08717	0.149195	-0.58429	0.559024	0.953503
ENSMUSG0 Tmem132a	104.8772	-0.08811	0.156648	-0.56246	0.573804	0.953503
ENSMUSG0 Smc5	106.8768	-0.08815	0.154902	-0.56908	0.569302	0.953503
ENSMUSG0 P4hb	1680.974	0.052057	0.092251	0.564294	0.572554	0.953503
ENSMUSG0 Alyref	182.3145	0.081428	0.137039	0.594199	0.552379	0.953503
ENSMUSG0 Uqcrc1	242.0326	-0.07983	0.136968	-0.58287	0.559983	0.953503
ENSMUSG0 Creb1	291.3709	-0.08098	0.138161	-0.58616	0.557771	0.953503
ENSMUSG0 Unc50	141.1408	-0.08554	0.148455	-0.57619	0.564485	0.953503
ENSMUSG0 Bard1	104.0142	-0.09292	0.159941	-0.58094	0.561278	0.953503
ENSMUSG0 Tmem163	137.9341	-0.0992	0.170981	-0.5802	0.561777	0.953503
ENSMUSG0 Pou2f1	487.8254	-0.10734	0.18248	-0.58825	0.556365	0.953503
ENSMUSG0 Itgav	599.3365	-0.07433	0.126751	-0.58645	0.557576	0.953503
ENSMUSG0 Dut	136.8453	0.083018	0.14724	0.56383	0.57287	0.953503
ENSMUSG0 Rtf1	168.2367	0.080347	0.142495	0.563861	0.572849	0.953503
ENSMUSG0 Ggt7	239.6657	0.081522	0.138487	0.588659	0.55609	0.953503
ENSMUSG0 Ncoa3	265.4983	-0.07427	0.129075	-0.57541	0.565012	0.953503
ENSMUSG0 Prpf38b	166.0125	-0.08399	0.143017	-0.58729	0.55701	0.953503
ENSMUSG0 Hadh	203.8468	-0.07942	0.133226	-0.59613	0.551085	0.953503
ENSMUSG0 Sh3d19	235.9451	0.086424	0.146988	0.587967	0.556555	0.953503
ENSMUSG0 Nfx1	171.091	-0.08097	0.13868	-0.58389	0.559293	0.953503
ENSMUSG0 Epb41l4b	136.1826	-0.09087	0.154744	-0.5872	0.55707	0.953503
ENSMUSG0 Mfn2	117.7024	0.089461	0.153429	0.583075	0.559843	0.953503
ENSMUSG0 Anapc4	255.8717	0.077093	0.135525	0.568847	0.56946	0.953503
ENSMUSG0 Ugdh	116.1697	0.092459	0.159772	0.578695	0.562795	0.953503
ENSMUSG0 Brap	104.6669	0.092766	0.160328	0.578599	0.56286	0.953503
ENSMUSG0 Zkscan1	163.091	-0.08796	0.150091	-0.58604	0.557848	0.953503
ENSMUSG0 Mcm7	442.2829	-0.06482	0.113055	-0.57336	0.566402	0.953503
ENSMUSG0 Asns	412.9678	0.06722	0.115997	0.579502	0.56225	0.953503
ENSMUSG0 Bcat1	116.4422	0.093243	0.158411	0.588613	0.556121	0.953503
ENSMUSG0 Sh2b1	117.1046	0.088275	0.156511	0.56402	0.572741	0.953503
ENSMUSG0 Praf2	170.8049	-0.09271	0.160719	-0.57685	0.56404	0.953503
ENSMUSG0 Timm17b	262.0464	0.077289	0.135725	0.569449	0.569051	0.953503
ENSMUSG0 Tnpo2	304.5021	-0.07299	0.128301	-0.56887	0.569441	0.953503

ENSMUSG0Tpm4	303.3368	0.068264	0.117353	0.581702	0.560767	0.953503
ENSMUSG0Tmem170	229.8961	-0.07518	0.131473	-0.57185	0.567426	0.953503
ENSMUSG0Tmed3	1635.267	0.050568	0.088835	0.569237	0.569195	0.953503
ENSMUSG0Syncrip	356.472	-0.06815	0.115285	-0.59118	0.5544	0.953503
ENSMUSG0Prkar2a	348.9222	-0.08098	0.141861	-0.57081	0.568128	0.953503
ENSMUSG0Trappc8	156.8429	-0.09025	0.153413	-0.58826	0.556356	0.953503
ENSMUSG0Upb1	109.6937	0.091252	0.161301	0.565728	0.571579	0.953503
ENSMUSG0Znrf1	105.6255	0.091991	0.162646	0.565589	0.571673	0.953503
ENSMUSG0Atp6v1h	123.1254	-0.08621	0.150283	-0.57362	0.566223	0.953503
ENSMUSG0Kcnk1	107.8458	-0.09055	0.153792	-0.58878	0.556012	0.953503
ENSMUSG0Zbed4	300.7615	-0.0792	0.138641	-0.57127	0.567817	0.953503
ENSMUSG0Tmem127	363.4191	0.065059	0.115633	0.562629	0.573688	0.953503
ENSMUSG0Pip5k1c	625.5559	0.057148	0.101599	0.562493	0.57378	0.953503
ENSMUSG0Ncaph	214.5013	-0.07442	0.130031	-0.57231	0.567112	0.953503
ENSMUSG0Fignl1	112.6828	0.089682	0.157476	0.5695	0.569017	0.953503
ENSMUSG0Sbno2	185.2746	-0.08379	0.14617	-0.57324	0.566482	0.953503
ENSMUSG0Pip4p1	386.6784	-0.07142	0.123161	-0.57991	0.561977	0.953503
ENSMUSG0Ptpn23	148.8154	0.088749	0.15221	0.583074	0.559844	0.953503
ENSMUSG0Pnp1a8	195.5956	-0.07864	0.133393	-0.58953	0.555503	0.953503
ENSMUSG0Man1b1	207.6432	0.080864	0.141478	0.571564	0.567617	0.953503
ENSMUSG0Ahd1c	109.7003	0.094629	0.163668	0.578178	0.563144	0.953503
ENSMUSG0Phf12	184.126	0.0842	0.146555	0.574525	0.565613	0.953503
ENSMUSG0Fam120a	720.288	-0.06374	0.11196	-0.56929	0.569162	0.953503
ENSMUSG0Sbf2	192.7892	-0.08525	0.149374	-0.57071	0.568197	0.953503
ENSMUSG0Pptc7	169.2293	0.081486	0.14068	0.579228	0.562435	0.953503
ENSMUSG0Ripor1	164.3156	-0.08128	0.143873	-0.56497	0.572094	0.953503
ENSMUSG0Zcchc2	382.466	-0.06916	0.120554	-0.57369	0.566177	0.953503
ENSMUSG0Abhd2	1123.548	-0.05501	0.095591	-0.57551	0.564947	0.953503
ENSMUSG0Cep104	183.568	0.082172	0.141462	0.580874	0.561325	0.953503
ENSMUSG0Trappc5	107.3207	-0.08942	0.156371	-0.57182	0.567446	0.953503
ENSMUSG0Ppp1ca	246.0793	0.080281	0.137969	0.581877	0.56065	0.953503
ENSMUSG0Hmgn1	171.0568	-0.08787	0.152053	-0.57792	0.56332	0.953503
ENSMUSG0Arhgef1	215.5423	0.082775	0.139398	0.593804	0.552643	0.953503
ENSMUSG0Wwp1	181.4666	-0.08718	0.147986	-0.58911	0.555791	0.953503
ENSMUSG0Fzd7	146.3954	0.087082	0.153008	0.569135	0.569264	0.953503
ENSMUSG0Mul1	160.6054	0.098724	0.168785	0.58491	0.558608	0.953503
ENSMUSG0Slc7a1	437.6611	-0.0658	0.110175	-0.59723	0.550357	0.953503
ENSMUSG0Fam104a	152.5571	0.084116	0.141315	0.595236	0.551686	0.953503
ENSMUSG0Pdcd7	157.1905	-0.08559	0.143401	-0.59689	0.550581	0.953503
ENSMUSG0Git2	119.44	-0.09275	0.161716	-0.57354	0.566279	0.953503
ENSMUSG0Smim12	190.3162	0.079148	0.137046	0.577533	0.563579	0.953503
ENSMUSG0Dctpp1	227.0775	-0.08722	0.147952	-0.5895	0.555526	0.953503
ENSMUSG0Elmsan1	206.3596	0.089552	0.152822	0.58599	0.557882	0.953503
ENSMUSG0Pla2g6	137.1105	-0.08944	0.152763	-0.58548	0.558222	0.953503
ENSMUSG0Cep164	121.8597	-0.08875	0.151926	-0.58417	0.559108	0.953503
ENSMUSG0Vcpip1	184.3446	-0.08422	0.143032	-0.58884	0.555968	0.953503
ENSMUSG0Cenpe	315.4014	0.075922	0.132205	0.574276	0.565781	0.953503
ENSMUSG0Glb1	167.772	-0.08514	0.143676	-0.59256	0.553473	0.953503
ENSMUSG0Vps13a	279.9303	-0.07642	0.130094	-0.58744	0.556905	0.953503
ENSMUSG0Cxxc5	735.7902	-0.06892	0.12187	-0.56548	0.571745	0.953503
ENSMUSG0Rimkla	180.3278	0.080946	0.138814	0.58313	0.559805	0.953503
ENSMUSG0Lix1l	136.0981	0.085596	0.149956	0.570804	0.568133	0.953503

ENSMUSG0 Cdr2l	107.4141	0.088645	0.156139	0.567731	0.570218	0.953503
ENSMUSG0 Prkca	472.6603	0.074235	0.130298	0.569729	0.568862	0.953503
ENSMUSG0 Nav2	1279.195	-0.0531	0.089993	-0.59002	0.555178	0.953503
ENSMUSG0 Srsf11	193.8006	-0.08066	0.135061	-0.5972	0.550376	0.953503
ENSMUSG0 Exoc5	149.164	-0.0882	0.150136	-0.58748	0.556878	0.953503
ENSMUSG0 Zbtb18	305.8204	-0.08126	0.142359	-0.57082	0.568125	0.953503
ENSMUSG0 Gng5	218.2674	-0.08957	0.158051	-0.5667	0.570919	0.953503
ENSMUSG0 Cry2	278.4982	-0.07664	0.129778	-0.59052	0.554844	0.953503
ENSMUSG0 Scyl2	298.8025	-0.08481	0.146797	-0.57771	0.563457	0.953503
ENSMUSG0 Spint2	323.0833	0.069892	0.121106	0.577115	0.563862	0.953503
ENSMUSG0 Arfgef2	421.7201	-0.06922	0.121366	-0.57038	0.56842	0.953503
ENSMUSG0 Gm26444	210.3192	-0.09795	0.173081	-0.56591	0.571452	0.953503
ENSMUSG0 Gm23804	210.269	-0.0982	0.17304	-0.56751	0.570367	0.953503
ENSMUSG0 Rnu1a1	210.269	-0.0982	0.17304	-0.56751	0.570367	0.953503
ENSMUSG0 Cmtm4	1309.106	-0.04994	0.086527	-0.57717	0.563822	0.953503
ENSMUSG0 Gm22068	210.3472	-0.09853	0.173047	-0.5694	0.569086	0.953503
ENSMUSG0 Gm22317	210.269	-0.0982	0.17304	-0.56751	0.570367	0.953503
ENSMUSG0 Gm22634	210.269	-0.0982	0.17304	-0.56751	0.570367	0.953503
ENSMUSG0 Cdkn2d	138.7246	-0.09171	0.157682	-0.58159	0.560842	0.953503
ENSMUSG0 Gm25679	210.3888	-0.09815	0.173062	-0.56714	0.570619	0.953503
ENSMUSG0 Ppp1ca	246.0793	0.080281	0.137969	0.581877	0.56065	0.953503
ENSMUSG0 Gm42047	1597.095	0.05343	0.090686	0.589174	0.555745	0.953503
ENSMUSG0 Pea15a	238.3091	-0.07533	0.134053	-0.56193	0.574166	0.953833
ENSMUSG0 Ints1	303.4721	-0.07275	0.129602	-0.56134	0.574563	0.954219
ENSMUSG0 Rhbdd2	212.7376	0.079866	0.142502	0.560452	0.575171	0.954957
ENSMUSG0 Rab23	108.7105	-0.08894	0.15891	-0.55966	0.575711	0.95537
ENSMUSG0 Dohh	287.6662	0.079935	0.142841	0.559608	0.575747	0.95537
ENSMUSG0 Tmem206	914.1693	-0.07117	0.127303	-0.55906	0.576123	0.955675
ENSMUSG0 Efhd2	107.9117	0.087379	0.156354	0.558857	0.576259	0.955675
ENSMUSG0 Aatf	192.7938	0.075306	0.134881	0.558314	0.57663	0.955746
ENSMUSG0 Fam219a	412.0007	-0.06537	0.117036	-0.55854	0.576476	0.955746
ENSMUSG0 Fam168b	677.0425	-0.05789	0.10389	-0.55723	0.577368	0.956425
ENSMUSG0 Atxn1l	506.4454	0.06637	0.119071	0.557399	0.577255	0.956425
ENSMUSG0 Srsf5	193.4067	0.079549	0.143003	0.556276	0.578022	0.956502
ENSMUSG0 Ubr5	740.9512	-0.06181	0.111065	-0.55652	0.577855	0.956502
ENSMUSG0 Kdm3b	202.4104	0.074391	0.133748	0.556204	0.578071	0.956502
ENSMUSG0 Lmbrd1	210.3883	-0.07656	0.137616	-0.5563	0.578005	0.956502
ENSMUSG0 Ctnnb1	806.0856	0.060359	0.10867	0.55543	0.5786	0.956527
ENSMUSG0 Dgkg	160.2172	0.079787	0.143766	0.554982	0.578907	0.956527
ENSMUSG0 Slc35a3	116.6358	0.092093	0.165731	0.555681	0.578429	0.956527
ENSMUSG0 Slc7a14	2867.059	-0.06093	0.109709	-0.55541	0.578616	0.956527
ENSMUSG0 Ttbk2	133.8367	-0.08661	0.156008	-0.55515	0.578795	0.956527
ENSMUSG0 Pank3	1019.794	0.060532	0.109144	0.554602	0.579167	0.956684
ENSMUSG0 Peg3	5355.668	-0.05216	0.094188	-0.55383	0.579697	0.956898
ENSMUSG0 Afap1	161.4237	-0.08827	0.159422	-0.55369	0.579789	0.956898
ENSMUSG0 Mon2	363.6159	-0.0665	0.1201	-0.55372	0.579772	0.956898
ENSMUSG0 Cdc42bpb	246.5272	-0.07191	0.129924	-0.55345	0.579958	0.956906
ENSMUSG0 Ostm1	665.6946	-0.06809	0.12311	-0.55309	0.580204	0.957041
ENSMUSG0 Fam155a	189.7721	-0.07961	0.143997	-0.55283	0.580383	0.957065
ENSMUSG0 Cdkn2a	116.4761	0.08673	0.156971	0.552521	0.580592	0.957076
ENSMUSG0 Gm4211	105.631	-0.09224	0.167006	-0.55234	0.580718	0.957076
ENSMUSG0 Ap1m2	143.985	-0.07917	0.143629	-0.55118	0.581507	0.957117

ENSMUSG0 Ddx5	1046.954	0.051755	0.093826	0.551611	0.581215	0.957117
ENSMUSG0 Nfasc	488.0814	0.076735	0.139172	0.55137	0.58138	0.957117
ENSMUSG0 Srpr	1493.194	-0.05668	0.102846	-0.5511	0.581564	0.957117
ENSMUSG0 Hacd3	602.6812	-0.06729	0.121933	-0.5519	0.581017	0.957117
ENSMUSG0 Tex261	387.3842	-0.06318	0.114718	-0.55072	0.581825	0.957275
ENSMUSG0 Irgq	149.8263	-0.08144	0.148068	-0.55002	0.582305	0.957371
ENSMUSG05031425E2	145.2457	0.084201	0.153117	0.549917	0.582376	0.957371
ENSMUSG0 Gm4316	119.8473	0.086456	0.157171	0.550076	0.582267	0.957371
ENSMUSG0 Zfp36	294.0286	-0.07328	0.133371	-0.54946	0.58269	0.957439
ENSMUSG0 Slc48a1	112.4388	-0.08561	0.155826	-0.54938	0.582746	0.957439
ENSMUSG0 Sipa1l2	122.8516	-0.08132	0.149208	-0.545	0.585751	0.957961
ENSMUSG0 Gcat	446.7571	0.063505	0.116165	0.546677	0.584601	0.957961
ENSMUSG0 Dbnl	111.6925	0.085359	0.15613	0.546716	0.584574	0.957961
ENSMUSG0 Erg28	183.1932	-0.08047	0.147725	-0.54475	0.585925	0.957961
ENSMUSG0 Dnm1l	205.2031	-0.08086	0.14778	-0.54715	0.584279	0.957961
ENSMUSG0 lws1	180.8761	0.089054	0.162628	0.547594	0.583971	0.957961
ENSMUSG0 Capn1	134.7745	-0.08327	0.152807	-0.54492	0.585805	0.957961
ENSMUSG0 Glul	265.2147	-0.07903	0.145287	-0.54398	0.586457	0.957961
ENSMUSG0 Knstrn	236.5906	-0.07584	0.139343	-0.54425	0.586268	0.957961
ENSMUSG0 E2f5	134.1761	-0.08262	0.151906	-0.54389	0.586517	0.957961
ENSMUSG0 G3bp2	576.8831	0.054328	0.099769	0.544538	0.586072	0.957961
ENSMUSG0 Mtmr14	146.7689	-0.08437	0.153847	-0.54842	0.583403	0.957961
ENSMUSG0 Ubfd1	295.1322	0.066565	0.121929	0.545935	0.58511	0.957961
ENSMUSG0 Eif3f	153.9528	-0.07821	0.142779	-0.54778	0.583841	0.957961
ENSMUSG0 Stt3a	2140.422	-0.05744	0.10558	-0.54405	0.586407	0.957961
ENSMUSG0 Spg11	116.8461	0.085433	0.156175	0.547035	0.584355	0.957961
ENSMUSG0 Col6a3	1371.973	0.063566	0.116686	0.54476	0.585918	0.957961
ENSMUSG0 Srcap	612.4456	0.055565	0.102122	0.544108	0.586367	0.957961
ENSMUSG0 Car10	124.4108	-0.08481	0.15545	-0.54559	0.585347	0.957961
ENSMUSG0 Srsf3	285.0416	-0.07371	0.134587	-0.5477	0.583897	0.957961
ENSMUSG0 Gas2l3	176.4331	0.075447	0.138687	0.544009	0.586435	0.957961
ENSMUSG0 Xpo6	620.0903	-0.06885	0.127824	-0.53867	0.590117	0.958697
ENSMUSG0 Smpd4	173.9515	-0.08307	0.153477	-0.54125	0.588333	0.958697
ENSMUSG0 Med24	161.43	-0.08569	0.158458	-0.54079	0.588649	0.958697
ENSMUSG0 Isyna1	187.4709	-0.07504	0.139427	-0.53824	0.590414	0.958697
ENSMUSG0 Zfhx4	690.6487	-0.06476	0.119842	-0.54038	0.588932	0.958697
ENSMUSG0 Chid1	187.3626	0.073958	0.137095	0.539464	0.589567	0.958697
ENSMUSG0 Ext2	226.1672	-0.07441	0.137123	-0.54262	0.587393	0.958697
ENSMUSG0 Dock7	177.3634	0.087425	0.161096	0.54269	0.587344	0.958697
ENSMUSG0 Ulk1	674.0119	-0.0655	0.12086	-0.54197	0.587839	0.958697
ENSMUSG0 Cdipt	282.4181	-0.06717	0.124662	-0.53881	0.590018	0.958697
ENSMUSG0 Copb1	376.1603	-0.06785	0.126014	-0.53845	0.590265	0.958697
ENSMUSG0 Tm2d2	112.7176	-0.08354	0.154864	-0.53941	0.589605	0.958697
ENSMUSG0 Resf1	174.8326	-0.08488	0.156965	-0.54078	0.588658	0.958697
ENSMUSG0 Soga3	114.5543	-0.08688	0.161412	-0.53822	0.590423	0.958697
ENSMUSG0 Cnst	384.1438	-0.06291	0.116519	-0.53993	0.589247	0.958697
ENSMUSG0 Sec24d	527.4485	-0.06784	0.126016	-0.53833	0.59035	0.958697
ENSMUSG0 Ccser1	109.36	0.084108	0.155368	0.54135	0.588267	0.958697
ENSMUSG0 lpo8	155.116	0.081407	0.150514	0.540858	0.588606	0.958697
ENSMUSG0 Hist1h1d	221.9177	-0.07362	0.136305	-0.54008	0.589143	0.958697
ENSMUSG0 Flot2	282.1995	-0.06718	0.124029	-0.54168	0.588038	0.958697
ENSMUSG0 Ang	113.4778	-0.08932	0.165199	-0.54067	0.588734	0.958697

ENSMUSG0 Ciapin1	229.8195	0.070215	0.130556	0.537811	0.590707	0.958892
ENSMUSG0 Tigar	183.8142	0.075727	0.140879	0.537533	0.5909	0.958936
ENSMUSG0 Nhlrc3	235.726	-0.07889	0.146859	-0.53719	0.591135	0.959051
ENSMUSG0 Rpl14	376.4481	-0.07019	0.13079	-0.53668	0.591485	0.959352
ENSMUSG0 Hnrnpd	303.2887	0.07728	0.144337	0.535413	0.592364	0.959976
ENSMUSG0 Smu1	157.0234	-0.07918	0.147789	-0.53575	0.592131	0.959976
ENSMUSG0 Ube3b	266.5782	-0.06669	0.124532	-0.53556	0.592261	0.959976
ENSMUSG0 Tmem161a	112.4498	0.084593	0.159324	0.530947	0.595456	0.960001
ENSMUSG0 Slc25a42	264.9189	-0.06951	0.130981	-0.53068	0.595643	0.960001
ENSMUSG0 Calr	2972.124	-0.04931	0.09297	-0.5304	0.595836	0.960001
ENSMUSG0 Psmb4	589.3762	-0.05999	0.112647	-0.53255	0.594345	0.960001
ENSMUSG0 Herpud2	271.3958	-0.07042	0.131879	-0.53401	0.593338	0.960001
ENSMUSG0 Abca1	113.7239	-0.08559	0.160487	-0.53333	0.593803	0.960001
ENSMUSG0 H3f3b	2074.67	-0.04738	0.089336	-0.53039	0.59584	0.960001
ENSMUSG0 Cyfip2	1436.02	-0.04788	0.090161	-0.53107	0.595372	0.960001
ENSMUSG0 Slc4a7	1201.891	-0.06246	0.116772	-0.53486	0.592748	0.960001
ENSMUSG0 Cdkn1a	239.8832	-0.07356	0.138485	-0.5312	0.59528	0.960001
ENSMUSG0 Tpgs2	320.4804	-0.06449	0.12104	-0.53277	0.59419	0.960001
ENSMUSG0 Scd2	5268.719	0.048488	0.091204	0.53164	0.594975	0.960001
ENSMUSG0 Pmpca	456.8481	-0.0562	0.105671	-0.53184	0.594836	0.960001
ENSMUSG0 Arhgef19	170.613	0.072869	0.136895	0.532301	0.594518	0.960001
ENSMUSG0 Ppp2r1b	103.7857	0.083926	0.157783	0.531904	0.594793	0.960001
ENSMUSG0 St18	301.0755	0.070251	0.131566	0.533965	0.593365	0.960001
ENSMUSG0 Ranbp10	108.6446	0.082347	0.155	0.531274	0.595229	0.960001
ENSMUSG0 Icmt	258.91	0.072283	0.135282	0.534311	0.593126	0.960001
ENSMUSG0 Kdm3a	141.0438	0.078996	0.148792	0.530919	0.595475	0.960001
ENSMUSG0 Med12l	250.5159	0.068019	0.127957	0.531577	0.595019	0.960001
ENSMUSG0 Kifc1	201.7346	0.075201	0.141692	0.530737	0.595601	0.960001
ENSMUSG0 Chga	10293.4	0.039344	0.074216	0.530131	0.596021	0.960027
ENSMUSG0 Krt8	207.4389	-0.07301	0.137955	-0.52922	0.596651	0.960511
ENSMUSG0 Ptpn2	1092.033	0.050848	0.096062	0.529324	0.596581	0.960511
ENSMUSG0 Gbbp1	123.7644	-0.09075	0.171625	-0.52876	0.596974	0.960568
ENSMUSG0 Gm20388	115.857	0.071687	0.135591	0.528697	0.597016	0.960568
ENSMUSG0 Emc10	475.948	0.065334	0.123817	0.527661	0.597735	0.960772
ENSMUSG0 Ube2z	505.4009	-0.05688	0.107861	-0.52733	0.597968	0.960772
ENSMUSG0 Cdc14b	166.9883	-0.07712	0.14617	-0.52762	0.59776	0.960772
ENSMUSG0 Snrpd2	409.3981	-0.07003	0.132733	-0.52757	0.597801	0.960772
ENSMUSG0 Tmem104	125.9002	-0.09115	0.172777	-0.52753	0.597826	0.960772
ENSMUSG0 Zfp282	501.9417	-0.0566	0.107437	-0.52678	0.598344	0.961021
ENSMUSG0 Mpp6	113.2982	0.083597	0.15874	0.526627	0.598453	0.961021
ENSMUSG0 Vamp2	408.3614	-0.06255	0.119073	-0.52527	0.599395	0.96184
ENSMUSG0 Ctstl	833.919	-0.05747	0.109434	-0.52519	0.599448	0.96184
ENSMUSG0 Ppl	148.9409	-0.07599	0.14469	-0.52518	0.599458	0.96184
ENSMUSG0 Cnot7	305.3446	-0.06664	0.126963	-0.52489	0.599662	0.961902
ENSMUSG0 Ppfia3	116.8022	-0.08317	0.15921	-0.52241	0.601386	0.961906
ENSMUSG0 Gabpa	107.6761	-0.09188	0.177746	-0.51694	0.6052	0.961906
ENSMUSG0 Rpl15	419.6563	-0.07532	0.146105	-0.51555	0.606169	0.961906
ENSMUSG0 Npdc1	146.0638	0.077457	0.150352	0.515171	0.606433	0.961906
ENSMUSG0 Vps54	133.8707	-0.0767	0.147007	-0.52171	0.60187	0.961906
ENSMUSG0 Rab21	117.781	-0.08018	0.154995	-0.51728	0.604957	0.961906
ENSMUSG0 Vti1b	249.8182	-0.06984	0.133895	-0.52157	0.601971	0.961906
ENSMUSG0 Wdr37	377.4687	0.062935	0.121402	0.518397	0.604182	0.961906

ENSMUSG0 Scaf4	249.3524	-0.07223	0.139281	-0.51862	0.604023	0.961906
ENSMUSG0 Akap8	162.2588	-0.07626	0.146638	-0.52008	0.603007	0.961906
ENSMUSG0 Pigq	367.5742	-0.06675	0.127526	-0.52345	0.600664	0.961906
ENSMUSG0 Eya1	290.2126	0.075743	0.145184	0.521705	0.601876	0.961906
ENSMUSG0 Raph1	155.8126	-0.08586	0.166146	-0.51677	0.605315	0.961906
ENSMUSG0 Camsap1	389.9909	-0.07143	0.13798	-0.51769	0.604678	0.961906
ENSMUSG0 Rbm39	401.6671	0.060814	0.11772	0.516598	0.605437	0.961906
ENSMUSG0 Rab33b	136.4856	-0.07845	0.151501	-0.5178	0.604598	0.961906
ENSMUSG0 Ugcg	151.4192	0.076583	0.148333	0.51629	0.605652	0.961906
ENSMUSG0 Clta	158.4092	0.075455	0.145093	0.520044	0.603033	0.961906
ENSMUSG0 Wasf2	257.5097	-0.06532	0.125601	-0.52008	0.603008	0.961906
ENSMUSG0 Aff1	433.3247	-0.06356	0.121469	-0.52324	0.600808	0.961906
ENSMUSG0 Bcl7a	428.0293	-0.06397	0.123039	-0.5199	0.603134	0.961906
ENSMUSG0 Bhlhe41	382.6089	0.064843	0.12388	0.523435	0.600672	0.961906
ENSMUSG0 Yif1b	166.4449	0.077225	0.148875	0.518723	0.603954	0.961906
ENSMUSG0 G6pdx	155.4638	-0.07821	0.150749	-0.51878	0.603917	0.961906
ENSMUSG0 Arhgef7	432.5516	0.05694	0.110224	0.516582	0.605448	0.961906
ENSMUSG0 Khlh2	175.0066	-0.07715	0.149351	-0.51657	0.605455	0.961906
ENSMUSG0 Kars	150.6071	-0.07412	0.142641	-0.51961	0.603336	0.961906
ENSMUSG0 Rsl24d1	292.5401	-0.06243	0.120716	-0.51713	0.605062	0.961906
ENSMUSG0 Ccnb2	167.6725	-0.08292	0.158829	-0.52208	0.601615	0.961906
ENSMUSG0 Cmip	447.0782	-0.06029	0.116873	-0.51587	0.605942	0.961906
ENSMUSG0 Cops8	179.5467	0.080627	0.154941	0.520372	0.602804	0.961906
ENSMUSG0 Map4k5	133.5326	-0.08046	0.155912	-0.51603	0.605833	0.961906
ENSMUSG0 Hist1h1c	326.2867	-0.06826	0.131039	-0.52094	0.602407	0.961906
ENSMUSG0 Vps13b	428.9103	-0.06124	0.11886	-0.51522	0.606403	0.961906
ENSMUSG0 Cpe	4695.202	-0.04409	0.085019	-0.51854	0.604083	0.961906
ENSMUSG0 H2afz	654.306	-0.06118	0.118413	-0.51664	0.605411	0.961906
ENSMUSG0 Pdk2	110.5083	-0.08306	0.160198	-0.51848	0.604124	0.961906
ENSMUSG0 Rapgef1	235.5695	0.072549	0.139928	0.518474	0.604128	0.961906
ENSMUSG0 Dync2h1	242.0051	0.065933	0.127639	0.516555	0.605467	0.961906
ENSMUSG0 Vma21	429.0777	-0.05865	0.112272	-0.52237	0.601411	0.961906
ENSMUSG0 Gm28439	270.0882	0.084014	0.160932	0.522045	0.601639	0.961906
ENSMUSG0 Lrrc24	136.8644	0.075756	0.147123	0.514915	0.606613	0.961929
ENSMUSG0 Rnf5	303.6906	-0.06295	0.122469	-0.51399	0.607258	0.96269
ENSMUSG0 Smarca4	881.8522	-0.05991	0.116657	-0.51356	0.607561	0.962908
ENSMUSG0 Prdm4	225.9748	-0.06903	0.134606	-0.51284	0.608062	0.96344
ENSMUSG0 Usp7	306.2858	-0.06785	0.132484	-0.51212	0.608567	0.963456
ENSMUSG0 Tagln2	190.8859	-0.07498	0.146478	-0.51188	0.608734	0.963456
ENSMUSG0 Zmynd19	201.1735	-0.07156	0.139626	-0.51249	0.608311	0.963456
ENSMUSG0 Dnajc10	743.4666	0.052973	0.103476	0.511935	0.608697	0.963456
ENSMUSG0 Ndufa10	250.657	-0.07825	0.153153	-0.51092	0.609406	0.964259
ENSMUSG0 Khdrbs1	232.8828	-0.06697	0.131172	-0.51054	0.609674	0.96442
ENSMUSG0 Smc6	205.7915	-0.07388	0.14492	-0.50982	0.610179	0.964526
ENSMUSG0 Cpeb1	397.4311	-0.06002	0.117982	-0.50871	0.610954	0.964526
ENSMUSG0 Dcaf8	426.7034	-0.05641	0.110915	-0.50855	0.611065	0.964526
ENSMUSG0 Sec62	106.0977	-0.08622	0.16932	-0.5092	0.610609	0.964526
ENSMUSG0 Rnf19b	119.2651	0.076231	0.149774	0.508977	0.610768	0.964526
ENSMUSG0 Tmem165	168.454	0.076146	0.14934	0.509882	0.610134	0.964526
ENSMUSG0 Sec24a	529.0134	-0.06622	0.13005	-0.5092	0.610615	0.964526
ENSMUSG0 Ccdc71l	253.946	-0.07285	0.142993	-0.50945	0.610434	0.964526
ENSMUSG0 Rnf185	151.0824	0.079557	0.156757	0.507516	0.611793	0.964826

ENSMUSG0 Lgmn	157.6464	-0.0718	0.141521	-0.50734	0.611917	0.964826
ENSMUSG0 Cstf2	166.6308	-0.07559	0.14889	-0.50772	0.611653	0.964826
ENSMUSG0 Dot1l	911.1916	0.04945	0.097347	0.507972	0.611473	0.964826
ENSMUSG0 Crybg1	120.7189	-0.07989	0.15763	-0.50681	0.612287	0.964887
ENSMUSG0 Atp13a2	129.1874	-0.07902	0.15586	-0.50701	0.612146	0.964887
ENSMUSG0 Nup214	239.6302	0.074167	0.146886	0.504929	0.613608	0.964896
ENSMUSG0 Zim1	1006.669	-0.05259	0.104528	-0.50316	0.61485	0.964896
ENSMUSG0 Utrn	2010.737	-0.05183	0.103429	-0.5011	0.616304	0.964896
ENSMUSG0 Stx7	166.9769	-0.07859	0.156209	-0.50312	0.614881	0.964896
ENSMUSG0 Snx13	180.1178	0.071465	0.142278	0.502293	0.615462	0.964896
ENSMUSG0 Prelid1	177.1029	0.06989	0.13958	0.500714	0.616572	0.964896
ENSMUSG0 Rhobtb2	196.4224	-0.0675	0.134548	-0.50165	0.615912	0.964896
ENSMUSG0 Synj1	342.5137	-0.06415	0.128256	-0.50021	0.61693	0.964896
ENSMUSG0 Rtn3	1453.694	-0.05709	0.113353	-0.50362	0.614526	0.964896
ENSMUSG0 Frmd8	117.9901	0.083027	0.164803	0.503794	0.614406	0.964896
ENSMUSG0 Cops2	234.795	-0.08162	0.161861	-0.50423	0.614099	0.964896
ENSMUSG0 Ppat	211.6931	0.071232	0.141594	0.503075	0.614912	0.964896
ENSMUSG0 Aldoa	870.8075	-0.04991	0.098808	-0.5051	0.613492	0.964896
ENSMUSG0 Dock11	221.9618	0.075346	0.150111	0.501934	0.615714	0.964896
ENSMUSG0 Pik3cb	114.7575	-0.07809	0.154565	-0.50524	0.613393	0.964896
ENSMUSG0 Atm	356.166	-0.06396	0.127821	-0.50043	0.616775	0.964896
ENSMUSG0 Ankrd11	330.7695	0.059819	0.119316	0.50135	0.616125	0.964896
ENSMUSG0 Upf3b	105.695	0.079054	0.156486	0.505183	0.61343	0.964896
ENSMUSG0 Stag1	202.6924	-0.07409	0.146776	-0.50475	0.613734	0.964896
ENSMUSG0 Dmxl1	339.1504	-0.06086	0.121309	-0.50169	0.615887	0.964896
ENSMUSG0 Ncoa7	126.5942	-0.07928	0.157774	-0.5025	0.615318	0.964896
ENSMUSG0 Arsb	783.0876	0.051964	0.10384	0.50042	0.616779	0.964896
ENSMUSG0 H2afx	1133.366	-0.05121	0.102136	-0.50137	0.616111	0.964896
ENSMUSG0 Sec23ip	254.2352	0.062174	0.124209	0.500557	0.616683	0.964896
ENSMUSG0 Zfp398	105.3124	0.080628	0.160759	0.501544	0.615989	0.964896
ENSMUSG0 Tmem250-j	275.1392	-0.06171	0.121988	-0.50583	0.612976	0.964896
ENSMUSG0 Mfsd14a	221.2041	-0.06558	0.130355	-0.50306	0.614923	0.964896
ENSMUSG0 Fzd6	115.0886	-0.08059	0.159491	-0.50528	0.613364	0.964896
ENSMUSG0 Pik3r2	104.8532	0.077868	0.155764	0.499912	0.617137	0.96496
ENSMUSG0 Scep1	663.1136	-0.0624	0.125335	-0.49783	0.618607	0.965385
ENSMUSG0 Kdelr1	740.4812	-0.0522	0.104679	-0.49863	0.618042	0.965385
ENSMUSG0 Pkn2	395.5369	-0.0617	0.123902	-0.49797	0.618508	0.965385
ENSMUSG0 Iglon5	103.4473	-0.08249	0.165927	-0.49716	0.619077	0.965385
ENSMUSG0 Tmem129	137.6147	0.074391	0.149302	0.498262	0.618299	0.965385
ENSMUSG0 Ppp2r2a	408.3128	-0.07072	0.142147	-0.49753	0.618812	0.965385
ENSMUSG0 Xpo7	325.4349	-0.05807	0.116532	-0.49828	0.618284	0.965385
ENSMUSG0 Fzd6	115.3321	-0.07968	0.159589	-0.49925	0.617603	0.965385
ENSMUSG0 Eif5b	186.5265	-0.08296	0.166837	-0.49726	0.619009	0.965385
ENSMUSG0 Tfb2m	208.287	-0.06588	0.132494	-0.49723	0.619025	0.965385
ENSMUSG0 Slc30a9	125.9401	0.080177	0.161519	0.496391	0.619619	0.965385
ENSMUSG0 Mlf2	581.7059	-0.05603	0.112912	-0.49623	0.619729	0.965385
ENSMUSG0 Rrm1	420.212	0.061629	0.124183	0.496271	0.619703	0.965385
ENSMUSG0 Plxnb2	724.7516	-0.0541	0.109011	-0.49624	0.619727	0.965385
ENSMUSG0 Pten	846.585	-0.05006	0.100927	-0.49598	0.619908	0.965405
ENSMUSG0 Ush2a	135.9543	-0.08316	0.167754	-0.49575	0.620073	0.965405
ENSMUSG0 Comt	171.2624	0.065029	0.14081	0.461822	0.644209	0.965558
ENSMUSG0 Tmprss2	480.0025	-0.05807	0.119659	-0.48525	0.627497	0.965558

ENSMUSG0Smarchb1	115.8336	0.075565	0.158695	0.476164	0.633958	0.965558
ENSMUSG0Tulp3	121.7696	0.073175	0.154712	0.472973	0.636233	0.965558
ENSMUSG0Clpb	140.4356	0.071326	0.153364	0.465075	0.641878	0.965558
ENSMUSG0Ugp2	112.7361	-0.07373	0.16203	-0.45505	0.649076	0.965558
ENSMUSG0Clgn	193.2744	-0.06271	0.137144	-0.45724	0.647501	0.965558
ENSMUSG0Paxip1	365.984	0.056385	0.12705	0.443805	0.657183	0.965558
ENSMUSG0Golga2	191.9699	0.06324	0.140526	0.450026	0.652692	0.965558
ENSMUSG0Tmem39a	212.665	-0.06269	0.136784	-0.45828	0.646752	0.965558
ENSMUSG0Etv3	136.8533	0.067264	0.14971	0.449296	0.653218	0.965558
ENSMUSG0Insig2	167.3938	-0.07842	0.167185	-0.46908	0.639016	0.965558
ENSMUSG0Akt2	698.5118	0.049082	0.10383	0.472717	0.636415	0.965558
ENSMUSG0Cul3	317.689	-0.07338	0.150302	-0.48822	0.625391	0.965558
ENSMUSG0Coro1c	839.2947	0.047436	0.100161	0.473599	0.635786	0.965558
ENSMUSG0Sgta	192.5264	-0.0606	0.136418	-0.44422	0.656886	0.965558
ENSMUSG0Syt5	114.0958	0.075545	0.159021	0.475064	0.634741	0.965558
ENSMUSG0Hnrnpa2b1	1079.831	-0.05884	0.122037	-0.48212	0.629717	0.965558
ENSMUSG0Crkl	394.5494	-0.05757	0.121243	-0.47487	0.63488	0.965558
ENSMUSG0Clint1	472.4032	0.060351	0.124851	0.483382	0.628824	0.965558
ENSMUSG0Mettl1	153.9632	0.071364	0.150775	0.473316	0.635987	0.965558
ENSMUSG0Ppp2r1a	476.499	-0.0512	0.109492	-0.46763	0.640047	0.965558
ENSMUSG0Arpp19	182.2997	0.073837	0.154973	0.476448	0.633755	0.965558
ENSMUSG0Prpf31	162.8211	-0.06456	0.143297	-0.45056	0.652307	0.965558
ENSMUSG0Rdh13	377.2105	0.052278	0.114495	0.456598	0.64796	0.965558
ENSMUSG0Apobec3	107.3013	0.071046	0.15991	0.444289	0.656834	0.965558
ENSMUSG0Cars	126.0572	0.071428	0.157688	0.452969	0.650571	0.965558
ENSMUSG0Akt1s1	176.1945	0.065738	0.136455	0.481754	0.629981	0.965558
ENSMUSG0Gorasp2	362.9121	-0.05445	0.122787	-0.44342	0.657461	0.965558
ENSMUSG0Nelfcd	113.9603	0.07361	0.156882	0.469205	0.638923	0.965558
ENSMUSG0Ube2a	113.6685	0.079608	0.166877	0.477045	0.63333	0.965558
ENSMUSG0Eif3d	192.7582	-0.0702	0.144835	-0.48471	0.627885	0.965558
ENSMUSG0Mlx	137.2743	0.073946	0.153584	0.48147	0.630183	0.965558
ENSMUSG0Sep-08	205.8925	-0.05982	0.132652	-0.45093	0.652038	0.965558
ENSMUSG0Cog1	456.8306	-0.05913	0.128512	-0.46014	0.645415	0.965558
ENSMUSG0Arid3a	475.179	0.051829	0.112277	0.461619	0.644355	0.965558
ENSMUSG0Cyb561	304.8844	0.05451	0.118174	0.46127	0.644605	0.965558
ENSMUSG0Zwint	856.571	-0.04349	0.098009	-0.44376	0.657218	0.965558
ENSMUSG0Apaf1	125.2266	0.074522	0.167198	0.445708	0.655808	0.965558
ENSMUSG0Pex7	144.0686	-0.06933	0.143618	-0.48271	0.629302	0.965558
ENSMUSG0Ap3d1	462.964	-0.05747	0.121233	-0.47406	0.635455	0.965558
ENSMUSG0Polrmt	161.41	0.071647	0.152688	0.469238	0.638899	0.965558
ENSMUSG0Sar1b	163.6149	-0.07464	0.15257	-0.4892	0.624702	0.965558
ENSMUSG0Dynl12	1234.021	0.053157	0.109016	0.487605	0.625829	0.965558
ENSMUSG0Jpt1	260.6822	-0.06125	0.127752	-0.47946	0.631613	0.965558
ENSMUSG0Ywhae	580.7382	-0.06041	0.124469	-0.48531	0.627454	0.965558
ENSMUSG0Sel1l	574.4996	0.050611	0.111523	0.453814	0.649962	0.965558
ENSMUSG0Galc	189.4409	-0.07064	0.146581	-0.48191	0.629868	0.965558
ENSMUSG0Dek	539.5551	-0.05505	0.119078	-0.46231	0.643857	0.965558
ENSMUSG0Wrnip1	145.1267	0.06629	0.146413	0.452758	0.650723	0.965558
ENSMUSG0Lpcat1	117.8278	0.070895	0.156585	0.452755	0.650725	0.965558
ENSMUSG0Elov17	113.2374	-0.07758	0.160679	-0.48284	0.62921	0.965558
ENSMUSG0Vdac2	190.3055	0.066082	0.135718	0.486909	0.626323	0.965558
ENSMUSG0Ap3m1	578.5266	-0.06475	0.137213	-0.47189	0.637007	0.965558

ENSMUSG0 Eaf1	291.4234	0.062179	0.134174	0.463423	0.643061	0.965558
ENSMUSG0 Extl3	366.3139	-0.05295	0.118508	-0.44679	0.655028	0.965558
ENSMUSG0 Lrp12	294.9102	0.059918	0.127832	0.468724	0.639267	0.965558
ENSMUSG0 Sqle	864.7886	0.052326	0.115744	0.45208	0.651211	0.965558
ENSMUSG0 Tomm22	105.5006	-0.07183	0.155215	-0.46281	0.643504	0.965558
ENSMUSG0 Parvb	445.2036	0.052048	0.110534	0.470875	0.63773	0.965558
ENSMUSG0 Pdla5	149.3022	-0.06856	0.144932	-0.47307	0.63616	0.965558
ENSMUSG0 Adcy6	400.3168	0.054379	0.118973	0.457067	0.647623	0.965558
ENSMUSG0 Chd1	529.1414	-0.05014	0.108607	-0.46163	0.64435	0.965558
ENSMUSG0 Glp1r	628.6099	-0.04783	0.106375	-0.44963	0.652977	0.965558
ENSMUSG0 Atp6v0c	479.2497	0.054328	0.115634	0.469827	0.638479	0.965558
ENSMUSG0 Abca3	438.6516	-0.05115	0.112689	-0.45389	0.649909	0.965558
ENSMUSG0 Jpt2	318.7381	-0.06129	0.137871	-0.44455	0.656646	0.965558
ENSMUSG0 Slc39a6	252.6911	0.061226	0.1354	0.452186	0.651135	0.965558
ENSMUSG0 Vps52	139.5755	0.072054	0.1557	0.462773	0.643527	0.965558
ENSMUSG0 Cxxc1	133.8512	-0.07105	0.147452	-0.48184	0.629918	0.965558
ENSMUSG0 Osbp	452.9905	-0.05827	0.118663	-0.49107	0.623378	0.965558
ENSMUSG0 Syt7	1063.586	-0.04866	0.099922	-0.48701	0.62625	0.965558
ENSMUSG0 Uhrf2	325.0612	-0.06098	0.126719	-0.48123	0.630354	0.965558
ENSMUSG0 Grk2	253.7149	0.058513	0.130059	0.449898	0.652784	0.965558
ENSMUSG0 Papss2	2436.126	-0.0581	0.120585	-0.48181	0.62994	0.965558
ENSMUSG0 Ccnj	131.2127	-0.07622	0.158	-0.48241	0.629517	0.965558
ENSMUSG0 Add3	232.6403	-0.05832	0.128923	-0.45233	0.651033	0.965558
ENSMUSG0 Anapc11	242.4893	-0.06473	0.140649	-0.46021	0.645365	0.965558
ENSMUSG0 Btrc	203.2263	0.059774	0.133098	0.449097	0.653362	0.965558
ENSMUSG0 Ube3a	430.7686	0.057929	0.120371	0.481252	0.630337	0.965558
ENSMUSG0 Hprr	188.367	-0.06133	0.137799	-0.44505	0.656285	0.965558
ENSMUSG0 Xiap	433.0766	-0.05744	0.124064	-0.46301	0.643354	0.965558
ENSMUSG0 Pnkd	170.0592	0.063755	0.140535	0.453661	0.650073	0.965558
ENSMUSG0 Hdac4	530.0673	0.051242	0.113426	0.451766	0.651438	0.965558
ENSMUSG0 Srgap2	116.1691	0.075067	0.168746	0.444853	0.656426	0.965558
ENSMUSG0 Xpr1	396.7919	0.055625	0.120352	0.462185	0.643949	0.965558
ENSMUSG0 Rgl1	157.7552	0.064297	0.141607	0.454053	0.649791	0.965558
ENSMUSG0 Cdc42bpa	226.5064	0.067529	0.145291	0.464785	0.642086	0.965558
ENSMUSG0 Ralgs2	136.4223	-0.07325	0.153878	-0.47603	0.63405	0.965558
ENSMUSG0 Lpgat1	701.2347	-0.05592	0.11679	-0.47881	0.632076	0.965558
ENSMUSG0 Nuf2	122.6189	-0.07747	0.157648	-0.49139	0.623147	0.965558
ENSMUSG0 Odf2	155.1879	0.074213	0.150059	0.494557	0.620913	0.965558
ENSMUSG0 Dab2ip	294.215	-0.05724	0.123694	-0.46278	0.643521	0.965558
ENSMUSG0 Fbxo3	218.354	-0.06646	0.140445	-0.47322	0.636053	0.965558
ENSMUSG0 Dhx36	181.4614	-0.06781	0.13769	-0.49249	0.622374	0.965558
ENSMUSG0 Fmn2	331.5766	-0.06743	0.143312	-0.47053	0.63798	0.965558
ENSMUSG0 Dnaja1	167.1252	-0.07328	0.150396	-0.48724	0.626091	0.965558
ENSMUSG0 Kcnq4	133.5579	0.067919	0.1501	0.452492	0.650914	0.965558
ENSMUSG0 Nasp	1356.166	-0.04294	0.089983	-0.47722	0.633202	0.965558
ENSMUSG0 Zfp362	147.7085	0.071739	0.148169	0.484171	0.628264	0.965558
ENSMUSG0 Srsf4	177.8383	-0.06268	0.139036	-0.45081	0.652129	0.965558
ENSMUSG0 Fbxo42	179.1712	0.070382	0.142103	0.495286	0.620398	0.965558
ENSMUSG0 Rnf4	336.6019	0.066661	0.142793	0.466834	0.640619	0.965558
ENSMUSG0 Crmp1	120.4667	0.068517	0.152129	0.450388	0.652431	0.965558
ENSMUSG0 Ppm1g	239.6816	0.058328	0.129117	0.451745	0.651453	0.965558
ENSMUSG0 Zcchc8	109.6425	-0.0728	0.160177	-0.45452	0.649455	0.965558

ENSMUSG0 Fam168a	165.5557	-0.07725	0.166977	-0.46262	0.643635	0.965558
ENSMUSG0 Golga3	186.8022	0.070128	0.156001	0.449538	0.653043	0.965558
ENSMUSG0 Cux1	272.7603	0.058963	0.128464	0.458985	0.646245	0.965558
ENSMUSG0 Smarcad1	438.9862	0.088101	0.182786	0.481993	0.629811	0.965558
ENSMUSG0 Ybx3	208.0678	-0.05978	0.133617	-0.44739	0.654594	0.965558
ENSMUSG0 Fam234b	440.127	0.053925	0.12034	0.448102	0.654079	0.965558
ENSMUSG0 Ing4	289.8929	-0.05959	0.123124	-0.48398	0.628401	0.965558
ENSMUSG0 Rhpn2	353.2818	0.053149	0.112766	0.471324	0.63741	0.965558
ENSMUSG0 Sez6l2	1463.224	-0.04742	0.104612	-0.45333	0.650313	0.965558
ENSMUSG0 Psma1	160.1108	-0.06649	0.147952	-0.4494	0.653146	0.965558
ENSMUSG0 Ate1	178.2875	-0.07211	0.146531	-0.49213	0.622629	0.965558
ENSMUSG0 Slc35a2	276.2132	-0.06234	0.134263	-0.46432	0.642418	0.965558
ENSMUSG0 Cenpi	167.1117	0.06841	0.145698	0.469533	0.638688	0.965558
ENSMUSG0 Heatr3	159.1105	-0.06881	0.142858	-0.48164	0.630063	0.965558
ENSMUSG0 Slc10a7	259.9444	0.063632	0.143146	0.444528	0.656661	0.965558
ENSMUSG0 Phlpp2	286.442	0.060928	0.125191	0.486684	0.626483	0.965558
ENSMUSG0 Pik3r2	105.2606	0.070735	0.155729	0.454219	0.649671	0.965558
ENSMUSG0 Lpar2	141.9879	0.072978	0.150646	0.48443	0.628081	0.965558
ENSMUSG0 Med17	223.4182	-0.07853	0.166745	-0.47097	0.637665	0.965558
ENSMUSG0 Bsn	411.3142	-0.06016	0.130939	-0.45944	0.645918	0.965558
ENSMUSG0 Slc35a4	594.8482	0.051347	0.11049	0.464724	0.642129	0.965558
ENSMUSG0 Kctd17	114.3279	-0.07396	0.154074	-0.48004	0.631196	0.965558
ENSMUSG0 Armcx2	281.5955	-0.0639	0.134953	-0.47346	0.635884	0.965558
ENSMUSG0 Larp4b	1015.771	0.051946	0.106077	0.489701	0.624345	0.965558
ENSMUSG0 Ints14	138.8461	-0.06582	0.147403	-0.4465	0.655236	0.965558
ENSMUSG0 Fam124a	122.8055	0.078486	0.160025	0.490461	0.623808	0.965558
ENSMUSG0 Ky	204.8426	-0.07913	0.161896	-0.48879	0.624988	0.965558
ENSMUSG0 R3hdm4	238.9734	0.06833	0.139562	0.489599	0.624418	0.965558
ENSMUSG0 Tmem63b	298.3153	-0.05925	0.12816	-0.46234	0.643835	0.965558
ENSMUSG0 Sigmar1	398.1764	0.059413	0.124519	0.477144	0.633259	0.965558
ENSMUSG0 Slc2a13	113.9291	0.072774	0.160685	0.452899	0.650622	0.965558
ENSMUSG0 Srp72	198.3126	-0.06856	0.148494	-0.46168	0.644312	0.965558
ENSMUSG0 Hif1an	1235.471	0.04523	0.093978	0.481276	0.63032	0.965558
ENSMUSG0 Ndr4	359.7251	-0.05496	0.123703	-0.44432	0.656809	0.965558
ENSMUSG0 Ttll7	204.2488	-0.0669	0.135341	-0.49434	0.621064	0.965558
ENSMUSG0 Trim3	162.9176	-0.07588	0.155409	-0.48825	0.625371	0.965558
ENSMUSG0 Selenof	148.2301	-0.07302	0.156036	-0.46799	0.63979	0.965558
ENSMUSG0 Wdhd1	284.4232	-0.06427	0.130239	-0.49345	0.621693	0.965558
ENSMUSG0 Atp6v0a2	219.1816	0.069108	0.153275	0.450875	0.65208	0.965558
ENSMUSG0 Mphosph9	193.9679	0.068449	0.144204	0.474669	0.635023	0.965558
ENSMUSG0 Ormdl3	191.2349	0.063419	0.134657	0.470963	0.637667	0.965558
ENSMUSG0 Mical2	298.9129	-0.05598	0.119975	-0.46659	0.640791	0.965558
ENSMUSG0 Parp12	128.118	-0.06712	0.150617	-0.44563	0.655864	0.965558
ENSMUSG0 Ric1	329.6201	-0.05976	0.131217	-0.4554	0.648818	0.965558
ENSMUSG0 Ralgps1	106.7138	0.078205	0.159617	0.489953	0.624167	0.965558
ENSMUSG0 Edc3	276.9509	-0.06503	0.13494	-0.48194	0.629846	0.965558
ENSMUSG0 Stim2	344.8155	-0.06262	0.131125	-0.47756	0.632961	0.965558
ENSMUSG0 Ube2h	109.4817	0.074904	0.166311	0.450385	0.652433	0.965558
ENSMUSG0 Hexdc	135.3089	0.075263	0.164147	0.458509	0.646587	0.965558
ENSMUSG0 Mar-04	118.1396	-0.07421	0.155419	-0.47751	0.632997	0.965558
ENSMUSG0 Mtmr12	150.5694	0.073602	0.153765	0.478664	0.632178	0.965558
ENSMUSG0 Tnrc18	270.0576	-0.06998	0.142678	-0.4905	0.623779	0.965558

ENSMUSG0 Rxrb	151.7555	-0.06561	0.146959	-0.44645	0.65527	0.965558
ENSMUSG02310057M:	115.7853	0.076443	0.161688	0.472784	0.636367	0.965558
ENSMUSG0 Bcor	406.0555	-0.05387	0.113897	-0.47296	0.636243	0.965558
ENSMUSG0 Abhd13	290.076	-0.05742	0.126999	-0.45212	0.651184	0.965558
ENSMUSG0 Bptf	517.3055	-0.05135	0.110166	-0.46609	0.641153	0.965558
ENSMUSG0 Tex2	370.4323	-0.055	0.115089	-0.47785	0.632755	0.965558
ENSMUSG0 Dnph1	113.6444	0.078504	0.160465	0.489227	0.624681	0.965558
ENSMUSG0 Rcc2	259.8946	-0.06752	0.137442	-0.49122	0.623268	0.965558
ENSMUSG0 Enc1	212.4538	-0.06065	0.131597	-0.46086	0.644899	0.965558
ENSMUSG0 Hnrnpf	816.1187	-0.06079	0.13026	-0.46666	0.640742	0.965558
ENSMUSG0 Slc35e2	286.6104	0.055997	0.124027	0.451491	0.651636	0.965558
ENSMUSG0 Ubp2l	1142.084	-0.04764	0.100524	-0.47391	0.635564	0.965558
ENSMUSG0 Ypel3	196.8072	-0.06365	0.142101	-0.44795	0.654187	0.965558
ENSMUSG0 Tom1	131.8183	0.075169	0.157535	0.477155	0.633252	0.965558
ENSMUSG0 Cep68	128.142	0.067233	0.149394	0.450041	0.652681	0.965558
ENSMUSG0 Zbtb39	228.5293	-0.06118	0.134487	-0.45492	0.649165	0.965558
ENSMUSG0 Preb	338.4157	0.053999	0.120948	0.44646	0.655265	0.965558
ENSMUSG0 Paip2b	373.9299	-0.05947	0.123719	-0.48068	0.630747	0.965558
ENSMUSG0 Cep295	155.7596	0.077311	0.158269	0.48848	0.62521	0.965558
ENSMUSG0 Pygo2	529.6445	-0.05584	0.121082	-0.46118	0.644668	0.965558
ENSMUSG0 Mcmbp	183.0529	-0.06566	0.141353	-0.46451	0.642284	0.965558
ENSMUSG0 Pdp2	190.2029	0.064075	0.141769	0.451971	0.65129	0.965558
ENSMUSG0 Camk2n2	370.6625	0.061131	0.130182	0.469582	0.638654	0.965558
ENSMUSG0 Plekhm3	142.5224	0.073491	0.151145	0.486227	0.626806	0.965558
ENSMUSG0 Glis3	134.731	-0.07028	0.152767	-0.46006	0.645472	0.965558
ENSMUSG0 Uba2	262.8473	0.062565	0.128499	0.486889	0.626337	0.965558
ENSMUSG0 Gon4l	221.0471	0.064479	0.140722	0.458198	0.64681	0.965558
ENSMUSG0 Adam10	1285.579	0.05365	0.113942	0.470857	0.637743	0.965558
ENSMUSG0 Sertad3	108.0381	0.074436	0.157563	0.47242	0.636627	0.965558
ENSMUSG0 Zzef1	323.1591	0.061528	0.132036	0.465993	0.64122	0.965558
ENSMUSG0 Rnf181	147.9751	-0.07416	0.150358	-0.49325	0.621838	0.965558
ENSMUSG0 Eif3b	297.0151	0.061557	0.128714	0.478247	0.632475	0.965558
ENSMUSG0 Setd3	210.5209	0.064755	0.141309	0.458252	0.646772	0.965558
ENSMUSG0 Kcnh1	170.2693	-0.06546	0.143474	-0.45628	0.64819	0.965558
ENSMUSG0 Ppp2r5d	105.9226	-0.07391	0.162325	-0.45531	0.648886	0.965558
ENSMUSG00610040JO:	440.4447	-0.05752	0.118655	-0.48479	0.627824	0.965558
ENSMUSG0 H3f3a	1591.156	0.09002	0.182249	0.493941	0.621348	0.965558
ENSMUSG0 Arl1	185.8016	-0.06847	0.142595	-0.48019	0.631093	0.965558
ENSMUSG0 Zcchc14	507.8719	-0.05418	0.117436	-0.46132	0.644566	0.965558
ENSMUSG0 Myt1l	379.7192	-0.05735	0.122406	-0.46856	0.639387	0.965558
ENSMUSG0 Naa15	472.9367	0.053888	0.120417	0.447512	0.654505	0.965558
ENSMUSG0 Dpp3	545.2832	0.054223	0.113122	0.479328	0.631705	0.965558
ENSMUSG0 Hmgb1	293.2658	-0.06015	0.132389	-0.45436	0.649567	0.965558
ENSMUSG0 Sptbn2	211.755	-0.06086	0.135503	-0.44917	0.65331	0.965558
ENSMUSG0 Aup1	104.25	0.077631	0.16478	0.471117	0.637557	0.965558
ENSMUSG0 Dtnb	222.311	0.060822	0.135587	0.448581	0.653734	0.965558
ENSMUSG0 Mta2	128.049	0.069801	0.148731	0.469308	0.638849	0.965558
ENSMUSG0 Gm14698	123.9079	-0.07498	0.159058	-0.47138	0.63737	0.965558
ENSMUSG0Tmem185a	162.3126	-0.06522	0.145681	-0.44772	0.654352	0.965558
ENSMUSG0 Rbm15b	242.1961	-0.05831	0.129325	-0.4509	0.652062	0.965558
ENSMUSG0 B3galt5	404.1875	-0.05803	0.118652	-0.48911	0.624762	0.965558
ENSMUSG0 Zc3h3	340.3393	-0.06904	0.139747	-0.49406	0.621266	0.965558

ENSMUSG0 Gm23935	23366.01	0.075693	0.170681	0.443476	0.657421	0.965558
ENSMUSG0 Gm24270	23366.23	0.075695	0.170681	0.443489	0.657412	0.965558
ENSMUSG0 Zfp703	151.0281	-0.06898	0.15063	-0.45797	0.646971	0.965558
ENSMUSG0 Gm24245	23370.07	0.075953	0.170684	0.444989	0.656328	0.965558
ENSMUSG0 Umad1	160.7203	-0.06851	0.144129	-0.47537	0.634523	0.965558
ENSMUSG0 Myl6	259.4834	0.058832	0.131988	0.445735	0.655788	0.965558
ENSMUSG0 Comt	171.2621	0.065044	0.140808	0.461932	0.64413	0.965558
ENSMUSG0 Rn7s1	5635.759	-0.07899	0.177611	-0.44476	0.656492	0.965558
ENSMUSG0 Rn7s2	5636.163	-0.07903	0.17761	-0.44495	0.656357	0.965558
ENSMUSG0 Ppp1ccb	110.8115	-0.0697	0.152026	-0.45845	0.646627	0.965558
ENSMUSG0 Gm29216	111.5921	-0.07643	0.155318	-0.49211	0.622641	0.965558
ENSMUSG0 Gm28661	300.9242	-0.05487	0.119343	-0.45977	0.645683	0.965558
ENSMUSG0 Rnf181	147.4939	-0.0736	0.150625	-0.48863	0.6251	0.965558
ENSMUSG0 Zc3h11a	303.7315	-0.05712	0.128746	-0.4437	0.657262	0.965558
ENSMUSG0 Prmt1	120.5137	-0.07531	0.165755	-0.45437	0.649561	0.965558
ENSMUSG0 Mbd2	125.7095	-0.07208	0.162813	-0.44272	0.657967	0.965814
ENSMUSG0 Cep85	187.7932	0.067205	0.151753	0.44286	0.657867	0.965814
ENSMUSG0 Polr3d	111.5686	0.068678	0.155495	0.441672	0.658726	0.965827
ENSMUSG0 Rab3d	483.8707	0.05638	0.127531	0.442091	0.658423	0.965827
ENSMUSG0 Plekha2	142.0842	-0.06714	0.151805	-0.44225	0.658308	0.965827
ENSMUSG0 Trim39	122.3292	-0.06589	0.14918	-0.44168	0.658724	0.965827
ENSMUSG0 Irs1	312.6656	-0.05485	0.124225	-0.44156	0.658805	0.965827
ENSMUSG0 Tmbim4	154.1758	-0.0656	0.148828	-0.44075	0.659394	0.966266
ENSMUSG0 Mar-05	170.425	-0.06282	0.14255	-0.44069	0.659436	0.966266
ENSMUSG0 Bub1b	203.029	-0.06296	0.142995	-0.44032	0.659703	0.966414
ENSMUSG0 Mar-05	170.6007	-0.06228	0.142618	-0.4367	0.662327	0.966671
ENSMUSG0 Stam	109.5603	-0.06966	0.159298	-0.43729	0.6619	0.966671
ENSMUSG0 Rbl1	118.7858	0.071952	0.164335	0.437839	0.661503	0.966671
ENSMUSG0 Kif24	114.1669	-0.07141	0.16355	-0.43665	0.662367	0.966671
ENSMUSG0 Cdca8	166.1815	-0.06125	0.13961	-0.43871	0.660869	0.966671
ENSMUSG0 Eif2b1	105.0271	-0.07169	0.163623	-0.43812	0.661299	0.966671
ENSMUSG0 Aspm	268.4367	0.05735	0.131128	0.437357	0.661853	0.966671
ENSMUSG0 Ric8b	134.6898	-0.06858	0.156718	-0.43758	0.661688	0.966671
ENSMUSG0 Dagla	347.8766	0.053877	0.122921	0.438302	0.661167	0.966671
ENSMUSG0 Cnot1	1283.729	0.042058	0.095819	0.438929	0.660713	0.966671
ENSMUSG0 Ddx1	300.908	0.055707	0.127456	0.437067	0.662063	0.966671
ENSMUSG0 Esrp1	627.4391	-0.05466	0.124579	-0.43872	0.660862	0.966671
ENSMUSG0 Sbk1	368.753	0.055001	0.125447	0.438439	0.661068	0.966671
ENSMUSG0 Shroom2	179.185	-0.06021	0.137889	-0.43668	0.662341	0.966671
ENSMUSG0 Fancf	122.7828	0.067405	0.153532	0.439029	0.660641	0.966671
ENSMUSG0 Clcn4	322.9008	-0.05498	0.12659	-0.43431	0.664065	0.966727
ENSMUSG0 Akr1b3	215.2797	0.059537	0.13702	0.434511	0.663918	0.966727
ENSMUSG0 Zfp651	161.1606	-0.06354	0.145956	-0.4353	0.663343	0.966727
ENSMUSG0 Lmf2	174.4611	-0.06045	0.138675	-0.43588	0.662921	0.966727
ENSMUSG0 Fubp3	109.3622	0.071945	0.165321	0.435183	0.663429	0.966727
ENSMUSG0 Mau2	326.288	-0.05394	0.124168	-0.43445	0.663962	0.966727
ENSMUSG0 Apbb1	230.5241	0.059699	0.137187	0.435162	0.663445	0.966727
ENSMUSG0 Cplane1	228.4797	0.069002	0.15814	0.436335	0.662594	0.966727
ENSMUSG0 Pcf11	190.6591	0.064481	0.148193	0.435112	0.663481	0.966727
ENSMUSG0 Rbm47	377.5332	-0.05399	0.124182	-0.43473	0.66376	0.966727
ENSMUSG0 Heatr6	159.631	-0.06277	0.144895	-0.43319	0.664877	0.966787
ENSMUSG0 Mcoln1	109.5923	0.068281	0.159735	0.427462	0.669043	0.966787

ENSMUSG0 Mtmr1	194.3981	-0.06153	0.142156	-0.43282	0.665148	0.966787
ENSMUSG0 Pcmt1	252.4141	-0.05694	0.132641	-0.42928	0.667716	0.966787
ENSMUSG0 Nrcam	587.2415	-0.05443	0.127058	-0.42839	0.668366	0.966787
ENSMUSG0 Ank	570.2849	0.047896	0.111283	0.4304	0.666904	0.966787
ENSMUSG0 Elp2	151.6493	0.062104	0.145177	0.42778	0.668811	0.966787
ENSMUSG0 Sec61a2	103.1134	-0.07191	0.1676	-0.42907	0.667871	0.966787
ENSMUSG0 Hook1	309.6524	0.053836	0.12472	0.431652	0.665994	0.966787
ENSMUSG0 Dhx15	308.0841	-0.05034	0.117712	-0.42768	0.668886	0.966787
ENSMUSG0 Furin	525.5351	0.045698	0.10692	0.427405	0.669084	0.966787
ENSMUSG0 Tsc22d3	103.7601	0.069192	0.160356	0.431491	0.666111	0.966787
ENSMUSG0 Prps1	424.65	0.048238	0.112475	0.428874	0.668015	0.966787
ENSMUSG0 Hmg20a	140.6822	0.066498	0.155472	0.427717	0.668857	0.966787
ENSMUSG0 Atr	206.2596	0.060351	0.141044	0.427886	0.668734	0.966787
ENSMUSG0 Srprb	193.5433	-0.06192	0.142898	-0.43333	0.664778	0.966787
ENSMUSG0 Tulp4	465.3299	0.050576	0.11728	0.431245	0.66629	0.966787
ENSMUSG0 Hmgxb4	149.2569	0.067601	0.155823	0.433831	0.664412	0.966787
ENSMUSG0 Arl6ip5	118.1136	-0.06543	0.152607	-0.42872	0.668128	0.966787
ENSMUSG0 Creb3l2	197.9629	0.060249	0.139053	0.43328	0.664811	0.966787
ENSMUSG0 Uhrf1bp1	166.5225	-0.06625	0.154588	-0.42858	0.668229	0.966787
ENSMUSG0 Disp2	792.5006	0.046083	0.107653	0.428072	0.668599	0.966787
ENSMUSG0 Pacsin1	329.0229	-0.05091	0.117748	-0.43237	0.665471	0.966787
ENSMUSG0 Mindy2	158.2916	-0.0649	0.150201	-0.43206	0.665696	0.966787
ENSMUSG0 Lrfrn4	307.9326	0.052958	0.123217	0.429797	0.667343	0.966787
ENSMUSG0 Igfals	208.9877	0.060323	0.139445	0.432596	0.665308	0.966787
ENSMUSG0 Vapb	218.9367	-0.06309	0.147181	-0.42868	0.668156	0.966787
ENSMUSG0 Tmem245	368.498	-0.05928	0.137995	-0.42958	0.6675	0.966787
ENSMUSG0 Rpl32	119.1515	-0.07342	0.171209	-0.42882	0.668058	0.966787
ENSMUSG0 Impad1	399.3259	-0.05015	0.116804	-0.42933	0.667685	0.966787
ENSMUSG0 Adprh	125.9821	0.062224	0.149169	0.417135	0.676579	0.966872
ENSMUSG0 Cdk12	307.7701	-0.05176	0.122546	-0.42235	0.672767	0.966872
ENSMUSG0 Prkcsh	454.7547	-0.04529	0.107969	-0.4195	0.674849	0.966872
ENSMUSG0 Abhd8	175.584	0.062273	0.148837	0.418394	0.675659	0.966872
ENSMUSG0 Stx5a	222.0962	-0.06054	0.142223	-0.42564	0.670368	0.966872
ENSMUSG0 Gsdma	106.5688	0.067727	0.159425	0.424822	0.670966	0.966872
ENSMUSG0 Lrp11	871.1226	0.041039	0.096807	0.42393	0.671617	0.966872
ENSMUSG0 Sumo3	297.7492	-0.0534	0.128086	-0.41694	0.676719	0.966872
ENSMUSG0 Adcy1	147.6005	-0.06256	0.149367	-0.41885	0.675328	0.966872
ENSMUSG0 Bop1	257.5381	-0.05585	0.131416	-0.42499	0.670845	0.966872
ENSMUSG0 Senp2	226.5981	-0.05573	0.132814	-0.41959	0.674787	0.966872
ENSMUSG0 Vegfb	147.3602	0.065001	0.154252	0.421396	0.673466	0.966872
ENSMUSG0 Trim8	108.042	0.065231	0.156409	0.417055	0.676638	0.966872
ENSMUSG0 Pidd1	144.4284	0.063555	0.1504	0.422574	0.672606	0.966872
ENSMUSG0 Gaa	1463.594	-0.04349	0.10335	-0.42085	0.673866	0.966872
ENSMUSG0 Dolpp1	187.0827	-0.06388	0.152266	-0.41956	0.674808	0.966872
ENSMUSG0 Snap25	361.7015	-0.06489	0.153067	-0.42391	0.671628	0.966872
ENSMUSG0 Fxr1	319.4704	-0.05016	0.118195	-0.42437	0.671298	0.966872
ENSMUSG0 H6pd	310.7507	0.052366	0.124873	0.419355	0.674957	0.966872
ENSMUSG0 Sdad1	249.4266	0.052471	0.125788	0.417135	0.676579	0.966872
ENSMUSG0 Iqgap1	1451.978	-0.04576	0.107369	-0.42618	0.669975	0.966872
ENSMUSG0 Parva	550.7415	-0.04672	0.111826	-0.41779	0.676099	0.966872
ENSMUSG0 Rbbp6	441.9097	-0.05196	0.124615	-0.41694	0.676723	0.966872
ENSMUSG0 Sc5d	206.8358	0.063872	0.152349	0.419249	0.675034	0.966872

ENSMUSG0 Lss	237.8124	0.059804	0.140475	0.42573	0.670304	0.966872
ENSMUSG0 Reep4	258.993	-0.05324	0.126531	-0.42078	0.673915	0.966872
ENSMUSG0 Golgb1	325.3641	-0.06914	0.162125	-0.42646	0.669774	0.966872
ENSMUSG0 Dopey1	322.9242	-0.05577	0.133146	-0.41883	0.675338	0.966872
ENSMUSG0 Rcbtb1	223.69	-0.05836	0.138834	-0.42038	0.674204	0.966872
ENSMUSG0 Anln	449.0269	-0.04668	0.111761	-0.41768	0.676179	0.966872
ENSMUSG0 Ssx2ip	246.8291	0.055394	0.131586	0.420974	0.673774	0.966872
ENSMUSG0 Mapkap1	246.0196	0.056496	0.13495	0.418645	0.675476	0.966872
ENSMUSG0 Ppp2r2d	119.625	-0.06738	0.160393	-0.42012	0.674395	0.966872
ENSMUSG0 Nol4	174.4198	-0.06803	0.163187	-0.41686	0.676777	0.966872
ENSMUSG0 Tmem201	143.4529	0.062035	0.148157	0.418712	0.675427	0.966872
ENSMUSG0 Unc119b	318.728	0.049361	0.116868	0.422362	0.672761	0.966872
ENSMUSG0 Tmem164	225.5655	0.053925	0.129086	0.417749	0.676131	0.966872
ENSMUSG0 Rpl29	331.6387	-0.05856	0.138086	-0.42409	0.671497	0.966872
ENSMUSG0 Rnf157	451.9683	0.051554	0.121923	0.422838	0.672413	0.966872
ENSMUSG0 Nbeal2	297.8366	-0.05725	0.135931	-0.42117	0.673633	0.966872
ENSMUSG0 Fbxo18	114.4402	0.06898	0.164867	0.418397	0.675657	0.966872
ENSMUSG0 Nap1l1	628.3045	0.049606	0.116185	0.426957	0.669411	0.966872
ENSMUSG0 Med12	245.9575	-0.05555	0.131554	-0.42224	0.672852	0.966872
ENSMUSG0 Neat1	1654.584	0.045751	0.10905	0.419538	0.674823	0.966872
ENSMUSG0 Gm22513	456.4506	-0.0734	0.175307	-0.41871	0.675426	0.966872
ENSMUSG0 Mir6236	174425.8	0.077393	0.181774	0.425765	0.670279	0.966872
ENSMUSG0 Pkp4	290.064	0.059985	0.144106	0.416261	0.677219	0.967266
ENSMUSG0 Akap1	120.272	0.064273	0.154906	0.414918	0.678202	0.967721
ENSMUSG0 Enah	197.1712	-0.0606	0.145986	-0.41508	0.678082	0.967721
ENSMUSG0 Tcerg1	212.4186	-0.05898	0.142031	-0.41529	0.677931	0.967721
ENSMUSG0 Sephs2	393.9522	0.047728	0.114972	0.415128	0.678048	0.967721
ENSMUSG0 Limd1	167.2697	-0.06029	0.145548	-0.41421	0.678723	0.968228
ENSMUSG0 Tmco3	343.7665	-0.054	0.130452	-0.41393	0.678922	0.968274
ENSMUSG0 Atp13a3	843.5463	-0.04446	0.107533	-0.4135	0.679239	0.968438
ENSMUSG0 Gm5641	867.3497	0.052852	0.127871	0.413323	0.67937	0.968438
ENSMUSG0 Htt	554.3229	-0.04316	0.104597	-0.41267	0.679848	0.968554
ENSMUSG0 Gpc4	142.906	-0.06052	0.146698	-0.41253	0.679949	0.968554
ENSMUSG0 Epg5	233.0506	0.05343	0.129434	0.412795	0.679757	0.968554
ENSMUSG0 Tnpo1	927.167	-0.04506	0.109759	-0.41056	0.681396	0.969056
ENSMUSG0 Fuca2	183.7022	-0.05765	0.140992	-0.40886	0.682642	0.969056
ENSMUSG0 Rab10	250.5397	-0.05514	0.134985	-0.40846	0.682939	0.969056
ENSMUSG0 L2hgdh	138.7123	-0.06221	0.152373	-0.40828	0.68307	0.969056
ENSMUSG0 Rasgrf2	230.3006	0.053748	0.132024	0.40711	0.683927	0.969056
ENSMUSG0 Ppwd1	116.6392	0.06442	0.15794	0.407879	0.683363	0.969056
ENSMUSG0 Rab1b	629.0901	0.04316	0.106123	0.406699	0.684229	0.969056
ENSMUSG0 Frmd5	175.8006	0.058047	0.141632	0.409848	0.681917	0.969056
ENSMUSG0 Pdrg1	336.513	0.05074	0.124586	0.407274	0.683807	0.969056
ENSMUSG0 Dctn5	129.5995	-0.0638	0.156197	-0.40848	0.682923	0.969056
ENSMUSG0 Cask	211.222	-0.06385	0.156559	-0.40786	0.683379	0.969056
ENSMUSG0 Ankrd49	123.9056	-0.06663	0.163321	-0.40798	0.683292	0.969056
ENSMUSG0 Rubcn	113.4871	0.066759	0.16411	0.406797	0.684157	0.969056
ENSMUSG0 Dennd5a	375.1321	-0.04847	0.118981	-0.4074	0.683711	0.969056
ENSMUSG0 Eef1a1	3267.3	0.03812	0.093388	0.40819	0.683134	0.969056
ENSMUSG0 Acd	132.6196	-0.06212	0.151016	-0.41134	0.680826	0.969056
ENSMUSG0 Snx25	201.005	0.060918	0.148958	0.408958	0.682571	0.969056
ENSMUSG0 BC052040	158.1867	-0.06469	0.157609	-0.41045	0.681475	0.969056

ENSMUSG0Zmym4	228.4209	0.066526	0.162536	0.409298	0.682321	0.969056
ENSMUSG0Hnrnpa1	674.1461	-0.05325	0.129407	-0.41148	0.68072	0.969056
ENSMUSG0Tmem41b	257.8022	-0.06509	0.15969	-0.40762	0.683555	0.969056
ENSMUSG0Flvcr1	116.9792	-0.06322	0.154146	-0.4101	0.68173	0.969056
ENSMUSG0Zfx	160.894	0.066083	0.162353	0.40703	0.683986	0.969056
ENSMUSG0Tmem185b	105.3486	-0.06558	0.161293	-0.40661	0.684294	0.969056
ENSMUSG0Nes	186.1957	0.060044	0.148287	0.40492	0.685537	0.969234
ENSMUSG0Ctns	124.5351	0.063323	0.15665	0.404232	0.686042	0.969234
ENSMUSG0Mtdh	195.9248	0.063965	0.157965	0.40493	0.685529	0.969234
ENSMUSG0Paqr4	108.9198	-0.06307	0.155633	-0.40524	0.6853	0.969234
ENSMUSG0Uck2	599.0268	0.041791	0.102975	0.405834	0.684864	0.969234
ENSMUSG0Tpm3	309.577	0.053243	0.131741	0.404147	0.686105	0.969234
ENSMUSG0Ccde28b	113.9095	0.064483	0.159521	0.40423	0.686043	0.969234
ENSMUSG0Gatad2a	250.4473	-0.05442	0.134833	-0.4036	0.686506	0.969234
ENSMUSG0Rcan2	301.3499	-0.0588	0.145808	-0.40327	0.686748	0.969234
ENSMUSG0Mis12	103.8674	0.066377	0.16404	0.404638	0.685743	0.969234
ENSMUSG0Asb8	225.4167	-0.05425	0.133751	-0.40563	0.685013	0.969234
ENSMUSG0Rps23	124.4507	-0.07036	0.174306	-0.40363	0.686482	0.969234
ENSMUSG0Arhgef12	724.8575	0.045073	0.111362	0.404741	0.685668	0.969234
ENSMUSG0Clasp1	380.8166	-0.05099	0.126394	-0.40344	0.686625	0.969234
ENSMUSG0Aggf1	144.6873	-0.05881	0.14619	-0.40231	0.687459	0.969365
ENSMUSG0Nova2	130.7639	-0.06078	0.151283	-0.40179	0.68784	0.969365
ENSMUSG0Ppp1r21	145.4	-0.05857	0.145637	-0.40214	0.687582	0.969365
ENSMUSG0Bud31	149.9771	-0.05846	0.145413	-0.402	0.687684	0.969365
ENSMUSG0Rpl18a	551.8639	-0.05411	0.134595	-0.40204	0.687651	0.969365
ENSMUSG0Fat1	832.9788	0.047386	0.117819	0.402197	0.687539	0.969365
ENSMUSG0Smg5	206.0455	0.061067	0.153721	0.397261	0.691175	0.969392
ENSMUSG0Phb2	308.6427	0.052392	0.13178	0.397573	0.690945	0.969392
ENSMUSG0Pex5	226.1512	0.054001	0.136451	0.395756	0.692285	0.969392
ENSMUSG0Nuak2	463.4545	-0.04518	0.113686	-0.3974	0.691072	0.969392
ENSMUSG0Top2b	134.5855	-0.06026	0.151909	-0.39667	0.69161	0.969392
ENSMUSG0Micu1	104.1548	-0.0644	0.16079	-0.40054	0.688756	0.969392
ENSMUSG0Hif1a	234.5628	0.049957	0.126101	0.396166	0.691982	0.969392
ENSMUSG0Dhfr	114.2515	-0.06683	0.16763	-0.39867	0.690135	0.969392
ENSMUSG0App	379.6202	-0.04862	0.121331	-0.40072	0.688626	0.969392
ENSMUSG0Prepl	195.5417	-0.05693	0.142283	-0.40015	0.689047	0.969392
ENSMUSG0Bag6	473.0749	-0.04498	0.113159	-0.39748	0.691017	0.969392
ENSMUSG0Nudt5	183.3593	0.055748	0.140122	0.397852	0.690739	0.969392
ENSMUSG0Syt2	260.7742	-0.0577	0.143937	-0.4009	0.688497	0.969392
ENSMUSG0Nras	492.2663	-0.04563	0.114958	-0.39693	0.691422	0.969392
ENSMUSG0Dnajb6	177.6995	0.056433	0.140812	0.400767	0.688592	0.969392
ENSMUSG0Aga	157.164	-0.0571	0.143946	-0.39665	0.691623	0.969392
ENSMUSG0Lmo7	393.075	-0.04861	0.123021	-0.39514	0.692739	0.969392
ENSMUSG0Tmem87a	130.5594	0.059111	0.149653	0.394989	0.692851	0.969392
ENSMUSG0Tnfsf9	204.4651	-0.05929	0.148603	-0.39896	0.689921	0.969392
ENSMUSG0Naa30	113.7432	-0.0686	0.171485	-0.40006	0.68911	0.969392
ENSMUSG0MlIt6	372.3132	0.050186	0.125455	0.40003	0.689135	0.969392
ENSMUSG0Kif16b	243.0571	-0.05507	0.139178	-0.39565	0.692362	0.969392
ENSMUSG0Ube2l3	149.4792	-0.06276	0.158646	-0.39562	0.692386	0.969392
ENSMUSG0Stau1	116.6403	-0.06671	0.167995	-0.39711	0.691284	0.969392
ENSMUSG0Nploc4	436.1353	-0.0505	0.12764	-0.39564	0.692373	0.969392
ENSMUSG0Dennd4b	103.7173	0.065136	0.163898	0.39742	0.691058	0.969392

ENSMUSG0Crb3	313.4983	-0.05096	0.12775	-0.39892	0.68995	0.969392
ENSMUSG0Ep300	503.3561	0.061251	0.153333	0.399467	0.689549	0.969392
ENSMUSG0Fxn	104.9865	-0.06393	0.16132	-0.3963	0.691884	0.969392
ENSMUSG0Pclo	1041.388	-0.05205	0.131681	-0.39525	0.69266	0.969392
ENSMUSG0Socs2	168.8213	0.060684	0.153888	0.394336	0.693333	0.969601
ENSMUSG0Acap2	163.7939	-0.06035	0.152989	-0.39446	0.693238	0.969601
ENSMUSG0Pigc	596.433	0.043623	0.110695	0.394084	0.693519	0.969628
ENSMUSG0Ppm1l	204.4655	-0.05462	0.138833	-0.39345	0.693984	0.969693
ENSMUSG0Sntb2	124.8966	0.059188	0.150473	0.393345	0.694064	0.969693
ENSMUSG0Bcl2l2	361.6472	0.044657	0.113519	0.393385	0.694035	0.969693
ENSMUSG0Spg7	151.3948	0.057515	0.147138	0.390895	0.695875	0.970057
ENSMUSG0Mob1b	160.9962	-0.05507	0.141069	-0.39035	0.696278	0.970057
ENSMUSG0Syn2	862.9248	0.046125	0.117818	0.391496	0.695431	0.970057
ENSMUSG0Hint1	125.7196	-0.06005	0.153959	-0.39003	0.696516	0.970057
ENSMUSG0Atic	107.4094	0.060352	0.153806	0.392387	0.694773	0.970057
ENSMUSG0Abcd3	309.9859	-0.05454	0.139975	-0.38965	0.696797	0.970057
ENSMUSG0Haus6	197.3212	0.053254	0.136302	0.390708	0.696013	0.970057
ENSMUSG0Tm6sf1	116.2742	0.062003	0.158312	0.39165	0.695317	0.970057
ENSMUSG0Tbc1d19	178.3183	-0.05792	0.147761	-0.39199	0.695067	0.970057
ENSMUSG0Dgkz	134.8595	0.064659	0.16526	0.391256	0.695608	0.970057
ENSMUSG01190002N1	227.9534	-0.05137	0.131836	-0.38961	0.696823	0.970057
ENSMUSG0Mbtps2	113.9168	-0.0686	0.175588	-0.39068	0.696033	0.970057
ENSMUSG0Tmem198	135.5128	0.057665	0.148002	0.389622	0.696816	0.970057
ENSMUSG0Usp46	103.8227	-0.06574	0.168577	-0.38998	0.696554	0.970057
ENSMUSG0Spock1	742.332	-0.03742	0.095528	-0.39176	0.695239	0.970057
ENSMUSG0Sema4f	151.7032	0.057402	0.152776	0.375727	0.70712	0.970151
ENSMUSG0Nom1	108.9603	-0.06652	0.174967	-0.38021	0.703789	0.970151
ENSMUSG0Btbd2	199.3129	0.051285	0.134523	0.381234	0.70303	0.970151
ENSMUSG0Snrrnp200	581.9094	-0.03815	0.102689	-0.37151	0.710258	0.970151
ENSMUSG0Psm2	643.6809	-0.03804	0.101656	-0.37422	0.708243	0.970151
ENSMUSG0Mark3	256.9387	-0.04981	0.130888	-0.38058	0.703517	0.970151
ENSMUSG0Vav2	204.4016	0.05174	0.137596	0.376031	0.706894	0.970151
ENSMUSG0Snap47	172.5555	-0.0525	0.138879	-0.37801	0.70542	0.970151
ENSMUSG0Sh3bp5l	150.5693	0.056381	0.149093	0.37816	0.705312	0.970151
ENSMUSG0Med22	107.8182	0.059471	0.156298	0.380494	0.703579	0.970151
ENSMUSG0Tnr	108.8459	-0.05962	0.158809	-0.37542	0.70735	0.970151
ENSMUSG0Mapt	150.5068	0.055991	0.150638	0.371695	0.71012	0.970151
ENSMUSG0Derl2	236.8164	-0.05968	0.160701	-0.37139	0.710349	0.970151
ENSMUSG0C1qbp	139.3458	-0.06213	0.162337	-0.38271	0.701936	0.970151
ENSMUSG0Ncor1	852.5626	-0.03727	0.099414	-0.3749	0.707738	0.970151
ENSMUSG0Atp5g3	598.6477	-0.03777	0.101245	-0.37309	0.709082	0.970151
ENSMUSG0Pel1	148.6291	0.058103	0.155141	0.374515	0.708021	0.970151
ENSMUSG0Ahsa2	281.6357	0.051422	0.135657	0.379058	0.704645	0.970151
ENSMUSG0Galnt10	136.0551	0.056837	0.147035	0.386554	0.699087	0.970151
ENSMUSG0Sub1	258.0738	0.047108	0.126962	0.371037	0.71061	0.970151
ENSMUSG0Carmil3	627.0741	0.042806	0.114414	0.374135	0.708304	0.970151
ENSMUSG0Lztr1	125.2228	0.060887	0.161662	0.376631	0.706448	0.970151
ENSMUSG0Rfc4	164.5899	-0.05933	0.156036	-0.38024	0.703764	0.970151
ENSMUSG0Huwe1	2175.088	0.049038	0.126325	0.388189	0.697876	0.970151
ENSMUSG0Pnp1a2	313.2165	-0.04705	0.126849	-0.37087	0.710731	0.970151
ENSMUSG0Cbx2	331.5851	-0.05138	0.132657	-0.3873	0.698534	0.970151
ENSMUSG0Mar-08	395.5445	-0.04792	0.126927	-0.37756	0.705758	0.970151

ENSMUSG0Larp1b	117.9469	0.061068	0.162924	0.374828	0.707789	0.970151
ENSMUSG0Rev1	268.4707	-0.04921	0.129194	-0.38091	0.703271	0.970151
ENSMUSG0Cers6	171.2006	-0.05132	0.137449	-0.37339	0.70886	0.970151
ENSMUSG0Traf6	146.7962	-0.05629	0.146578	-0.38403	0.700956	0.970151
ENSMUSG0Stard7	329.9336	0.046179	0.123032	0.375338	0.707409	0.970151
ENSMUSG0Pfn2	273.0605	0.049011	0.127743	0.383668	0.701224	0.970151
ENSMUSG0Cpne3	122.7615	-0.05808	0.155753	-0.37292	0.709205	0.970151
ENSMUSG0Elavl4	943.0035	-0.05606	0.144767	-0.38726	0.698567	0.970151
ENSMUSG0Agfg2	116.6491	0.057101	0.152465	0.374519	0.708018	0.970151
ENSMUSG0Mkrn1	184.5587	0.051607	0.138597	0.372357	0.709627	0.970151
ENSMUSG0Plxna1	177.287	0.060975	0.158585	0.384492	0.700614	0.970151
ENSMUSG0Psmc4	307.6304	-0.04774	0.125977	-0.37893	0.704738	0.970151
ENSMUSG0Vsp35l	142.5417	-0.05691	0.146581	-0.38828	0.697808	0.970151
ENSMUSG0Tmem9b	161.4887	-0.05512	0.145614	-0.37853	0.705036	0.970151
ENSMUSG0Urb2	204.6274	0.052239	0.134625	0.388032	0.697992	0.970151
ENSMUSG0Atg12	225.6577	-0.05365	0.141381	-0.37948	0.704333	0.970151
ENSMUSG0Cipc	137.438	-0.05835	0.155277	-0.37575	0.707101	0.970151
ENSMUSG0Ccnd3	365.9824	-0.04489	0.1203	-0.37316	0.709027	0.970151
ENSMUSG0Pja1	160.3716	0.054681	0.144762	0.377727	0.705633	0.970151
ENSMUSG0Dgkh	118.0794	-0.05752	0.152381	-0.37747	0.705821	0.970151
ENSMUSG0Cerk	576.5226	0.044324	0.117214	0.378146	0.705322	0.970151
ENSMUSG0Btg1	399.7846	-0.0433	0.115926	-0.37356	0.708735	0.970151
ENSMUSG0Mcrcs1	152.314	0.053907	0.144488	0.373092	0.70908	0.970151
ENSMUSG0Xkr8	190.6733	-0.0627	0.16348	-0.38354	0.701322	0.970151
ENSMUSG0Mtmr7	625.6901	-0.04595	0.120725	-0.38064	0.703467	0.970151
ENSMUSG0Fam208a	182.9112	-0.05333	0.139336	-0.38277	0.701893	0.970151
ENSMUSG0Virma	267.2551	-0.05005	0.134494	-0.37214	0.709788	0.970151
ENSMUSG0Tet2	928.3188	-0.03989	0.105167	-0.37926	0.704495	0.970151
ENSMUSG0Vps41	137.9701	-0.0579	0.155411	-0.37256	0.709474	0.970151
ENSMUSG0Mfsd6	188.6866	-0.05476	0.147392	-0.37154	0.710233	0.970151
ENSMUSG0Wdr11	179.9385	0.051632	0.135696	0.380494	0.703579	0.970151
ENSMUSG0Fat4	123.5026	-0.06028	0.157628	-0.3824	0.702163	0.970151
ENSMUSG0Cd24a	114.0115	-0.05993	0.156614	-0.38268	0.701957	0.970151
ENSMUSG0Clip1	252.4452	-0.05118	0.137983	-0.37089	0.710718	0.970151
ENSMUSG0Gm9843	224.6722	-0.05171	0.139301	-0.37122	0.710477	0.970151
ENSMUSG0Pcdh19	129.9997	-0.06201	0.160173	-0.38712	0.698667	0.970151
ENSMUSG0Ncald	121.7672	-0.05839	0.156245	-0.37369	0.708635	0.970151
ENSMUSG0Slc39a8	645.0253	-0.05064	0.132337	-0.38263	0.701996	0.970151
ENSMUSG0Pcnx3	421.9323	0.046539	0.12444	0.373989	0.708413	0.970151
ENSMUSG0Dhcr7	305.9624	0.049762	0.129253	0.385	0.700237	0.970151
ENSMUSG0Max	167.5767	-0.05337	0.140405	-0.38014	0.703841	0.970151
ENSMUSG0Cd2ap	136.8531	-0.05719	0.152075	-0.37604	0.706888	0.970151
ENSMUSG0Rps17	155.366	-0.0612	0.158153	-0.387	0.698758	0.970151
ENSMUSG0Slc25a3	765.1118	-0.0395	0.102276	-0.38616	0.699376	0.970151
ENSMUSG0Gmfb	222.1151	0.048876	0.131181	0.372586	0.709457	0.970151
ENSMUSG0Timm17a	215.5592	-0.05428	0.140649	-0.38589	0.699575	0.970151
ENSMUSG0Mapk1	414.4336	-0.05205	0.13464	-0.3866	0.699052	0.970151
ENSMUSG0Rpl7l1	117.5739	0.057177	0.152109	0.375899	0.706992	0.970151
ENSMUSG0Arfgef1	488.7828	-0.05287	0.136277	-0.38799	0.698021	0.970151
ENSMUSG0Fam57a	221.1134	-0.05563	0.143727	-0.38702	0.698738	0.970151
ENSMUSG0Myo18b	140.4218	-0.06326	0.16555	-0.38212	0.70237	0.970151
ENSMUSG01810058l24	127.3479	-0.0608	0.15817	-0.3844	0.700683	0.970151

ENSMUSG0 Gm20390	112.9426	0.06793	0.179577	0.378276	0.705225	0.970151
ENSMUSG0 Gm30948	163.2323	0.063501	0.17131	0.370677	0.710878	0.970151
ENSMUSG0 Ip6k2	130.2317	0.054871	0.146663	0.374132	0.708306	0.970151
ENSMUSG0 Olfr1372-p:	126.5833	0.068916	0.177255	0.388796	0.697427	0.970151
ENSMUSG0 Jund	139.2523	0.058526	0.155759	0.375744	0.707108	0.970151
ENSMUSG0 Abat	401.7334	-0.04785	0.129272	-0.37014	0.711278	0.970242
ENSMUSG0 Sep-09	129.4146	-0.05663	0.152952	-0.37024	0.711207	0.970242
ENSMUSG0 Rpl8	366.0465	0.042974	0.116601	0.368554	0.71246	0.970346
ENSMUSG0 St13	142.9624	-0.05498	0.148739	-0.36962	0.711663	0.970346
ENSMUSG0 Srp9	154.0426	-0.05265	0.142686	-0.36898	0.71214	0.970346
ENSMUSG0 Ip6k2	130.4982	0.054008	0.146572	0.368474	0.71252	0.970346
ENSMUSG0 Bzw1	625.5642	-0.04327	0.117385	-0.36863	0.712405	0.970346
ENSMUSG0 Chd6	141.4048	-0.06174	0.167308	-0.36904	0.712095	0.970346
ENSMUSG0 Tmed5	119.2643	-0.06078	0.164513	-0.36943	0.71181	0.970346
ENSMUSG0 Fkbp8	219.4399	-0.04849	0.132274	-0.36662	0.7139	0.971056
ENSMUSG0 Dhrrs13	109.0824	0.057982	0.157989	0.367004	0.713616	0.971056
ENSMUSG0 Ahctf1	375.1229	-0.05047	0.137409	-0.3673	0.713395	0.971056
ENSMUSG0 Zdhhc13	315.0127	-0.05734	0.156369	-0.36672	0.713828	0.971056
ENSMUSG0 Myo1d	113.3784	-0.05842	0.159278	-0.36679	0.713774	0.971056
ENSMUSG0 Rbm17	178.6224	0.054856	0.149703	0.366434	0.714041	0.971056
ENSMUSG0 Celf1	478.5407	0.050739	0.139203	0.364495	0.715488	0.971428
ENSMUSG0 Atp5g1	560.108	-0.04444	0.122087	-0.36399	0.715869	0.971428
ENSMUSG0 Fam120b	103.7268	0.058038	0.159557	0.363744	0.716049	0.971428
ENSMUSG0 Eif3a	550.9731	0.04271	0.117447	0.363651	0.716119	0.971428
ENSMUSG0 Usp33	211.7012	-0.0508	0.139455	-0.36428	0.715645	0.971428
ENSMUSG0 Zc3h15	103.6845	0.059641	0.163488	0.364805	0.715257	0.971428
ENSMUSG0 Usp24	318.3814	0.047777	0.131172	0.364232	0.715685	0.971428
ENSMUSG0 Fermt2	301.722	-0.04826	0.132801	-0.36339	0.716316	0.971428
ENSMUSG0 Arid4b	232.4421	0.048058	0.132218	0.363478	0.716248	0.971428
ENSMUSG0 Foxo3	277.5687	0.052096	0.142828	0.364745	0.715302	0.971428
ENSMUSG0 Gspt1	289.5863	-0.05293	0.144987	-0.36503	0.715086	0.971428
ENSMUSG0 Celf1	478.9716	0.050629	0.139286	0.363486	0.716242	0.971428
ENSMUSG0 Cox6c	113.0967	-0.05927	0.163872	-0.36167	0.717599	0.971924
ENSMUSG0 Mknk2	647.6992	-0.03962	0.109595	-0.3615	0.717724	0.971924
ENSMUSG0 Xylt1	366.4135	-0.04623	0.12752	-0.36256	0.716937	0.971924
ENSMUSG0 Cbfb	492.8052	0.043903	0.121501	0.361335	0.717849	0.971924
ENSMUSG0 Nck1	125.1617	-0.05736	0.158334	-0.36225	0.717168	0.971924
ENSMUSG0 1810055G0	401.866	-0.06596	0.182394	-0.36165	0.717614	0.971924
ENSMUSG0 Ei24	222.2154	0.046892	0.129674	0.361619	0.717637	0.971924
ENSMUSG0 Zdhhc3	369.9467	0.041273	0.114377	0.36085	0.718212	0.972189
ENSMUSG0 Dgcr2	362.278	-0.04319	0.120672	-0.35787	0.720439	0.972592
ENSMUSG0 Gpr108	141.4517	-0.05773	0.160607	-0.35943	0.719272	0.972592
ENSMUSG0 Aplp1	471.3642	0.038311	0.107132	0.357606	0.720638	0.972592
ENSMUSG0 Sec23a	420.6838	0.049281	0.137532	0.35832	0.720104	0.972592
ENSMUSG0 Ptch1	363.7813	-0.04407	0.122849	-0.35875	0.719785	0.972592
ENSMUSG0 Crybg3	550.7776	-0.03918	0.109957	-0.35632	0.7216	0.972592
ENSMUSG0 Lrrc47	118.7724	-0.05787	0.161992	-0.35723	0.720918	0.972592
ENSMUSG0 Wsb2	258.0472	-0.04696	0.13172	-0.35654	0.721439	0.972592
ENSMUSG0 Dmwd	277.584	0.04418	0.123197	0.358608	0.719888	0.972592
ENSMUSG0 Znrf3	119.8503	-0.05545	0.155669	-0.35621	0.721681	0.972592
ENSMUSG0 2510009E0	119.7452	-0.05878	0.164803	-0.35668	0.721329	0.972592
ENSMUSG0 Prkce	389.9633	0.04087	0.114522	0.356873	0.721187	0.972592

ENSMUSG0 Kcnb1	537.271	-0.04497	0.125028	-0.3597	0.719072	0.972592
ENSMUSG0 Ppfia2	112.9178	0.055626	0.15496	0.358972	0.719616	0.972592
ENSMUSG0 Nell1	243.006	0.046161	0.12875	0.35853	0.719946	0.972592
ENSMUSG0 Jund	139.6023	0.055462	0.155654	0.356316	0.721604	0.972592
ENSMUSG0 Wdr90	252.5925	0.049213	0.136779	0.359801	0.718996	0.972592
ENSMUSG0 Arrdc3	280.8992	-0.04821	0.134708	-0.35791	0.720413	0.972592
ENSMUSG0 Pcdhac2	306.4444	-0.05043	0.141506	-0.35636	0.721573	0.972592
ENSMUSG0 D1Ert622e	347.9339	0.043611	0.12264	0.355603	0.722138	0.972982
ENSMUSG0 Gnl3l	311.0388	-0.04985	0.140407	-0.35502	0.722574	0.973345
ENSMUSG0 Crtc1	131.209	-0.05454	0.154185	-0.35372	0.723546	0.973402
ENSMUSG0 Sppl2a	261.4021	0.053036	0.149966	0.353655	0.723598	0.973402
ENSMUSG0 Ociad1	198.0016	-0.05227	0.147603	-0.3541	0.723266	0.973402
ENSMUSG0 Slc25a37	105.2735	0.058857	0.166438	0.353626	0.723619	0.973402
ENSMUSG0 Cuedc2	128.4968	0.054696	0.154444	0.354147	0.723229	0.973402
ENSMUSG0 Ammecr1l	335.2081	-0.04656	0.131397	-0.35433	0.723092	0.973402
ENSMUSG0 Supt6	441.1289	-0.04016	0.113799	-0.35293	0.724139	0.973413
ENSMUSG0 Nxf1	209.9353	-0.04936	0.140334	-0.35173	0.725044	0.973413
ENSMUSG0 Meis2	126.7919	0.05406	0.153657	0.351824	0.72497	0.973413
ENSMUSG0 Nfatc2ip	104.7808	0.058518	0.166188	0.352119	0.724749	0.973413
ENSMUSG0 Asxl2	170.7327	0.050099	0.142625	0.351263	0.725391	0.973413
ENSMUSG0 Galnt11	103.7586	-0.05558	0.158005	-0.35176	0.72502	0.973413
ENSMUSG0 Ssh1	183.3798	-0.05302	0.150357	-0.35263	0.724369	0.973413
ENSMUSG0 Ankrd17	625.0813	-0.03823	0.108862	-0.35116	0.725465	0.973413
ENSMUSG0 Slain1	132.487	-0.05323	0.151501	-0.35134	0.725335	0.973413
ENSMUSG0 Zfp462	743.4727	-0.04986	0.141906	-0.35134	0.725336	0.973413
ENSMUSG0 Mospd2	161.3407	-0.04914	0.139795	-0.35151	0.725209	0.973413
ENSMUSG0 Ppp2cb	183.3948	-0.04766	0.136319	-0.3496	0.726637	0.973764
ENSMUSG0 Pabpc4	181.7117	0.049621	0.141953	0.349556	0.726672	0.973764
ENSMUSG0 Traf4	126.8995	-0.05312	0.151778	-0.34998	0.726355	0.973764
ENSMUSG0 Serinc1	1154.823	0.031099	0.088871	0.349933	0.726389	0.973764
ENSMUSG0 Grina	140.5136	-0.05534	0.158552	-0.34903	0.727064	0.973764
ENSMUSG0 Itm2c	345.389	-0.04074	0.116558	-0.34956	0.72667	0.973764
ENSMUSG0 Cramp1l	371.2508	-0.04095	0.117325	-0.34904	0.72706	0.973764
ENSMUSG0 Grk6	126.6808	-0.05243	0.15007	-0.34935	0.726827	0.973764
ENSMUSG0 Efr3a	180.1079	-0.05127	0.14707	-0.34862	0.727375	0.973866
ENSMUSG0 Gm45322	209.1948	-0.05103	0.146427	-0.34849	0.727474	0.973866
ENSMUSG0 Kih17	153.8466	-0.05022	0.144243	-0.34818	0.727708	0.973955
ENSMUSG0 Ddx18	113.7532	-0.05717	0.164969	-0.34653	0.728948	0.974116
ENSMUSG0 Gna13	302.1398	0.046137	0.133087	0.346664	0.728843	0.974116
ENSMUSG0 Ran	404.2415	-0.04472	0.12896	-0.34674	0.728785	0.974116
ENSMUSG0 Reep6	397.3354	-0.04324	0.124812	-0.34646	0.728998	0.974116
ENSMUSG0 Mgat5	272.8007	0.043108	0.124267	0.3469	0.728666	0.974116
ENSMUSG0 Epcam	142.233	-0.05125	0.147427	-0.34764	0.728114	0.974116
ENSMUSG0 Neurl4	302.5017	0.051114	0.147076	0.347534	0.72819	0.974116
ENSMUSG0 Aspscr1	116.1217	-0.05437	0.157222	-0.34584	0.729461	0.974511
ENSMUSG0 Kif23	118.0861	-0.06057	0.175354	-0.3454	0.729793	0.97473
ENSMUSG0 Pola2	121.2246	0.051581	0.149703	0.344554	0.730429	0.974788
ENSMUSG0 St3gal3	110.6246	0.055072	0.159785	0.344661	0.730349	0.974788
ENSMUSG0 Meox2	601.626	0.044099	0.128025	0.344453	0.730505	0.974788
ENSMUSG0 Cdr1	408.7615	-0.05523	0.160107	-0.34496	0.730125	0.974788
ENSMUSG0 Hd1bp	1927.847	-0.03712	0.107851	-0.34415	0.730731	0.974866
ENSMUSG0 Nufip2	798.9184	-0.04349	0.126464	-0.34391	0.730915	0.974887

ENSMUSG0 Dnaja3	125.0827	-0.05089	0.148541	-0.34262	0.731885	0.975288
ENSMUSG0 Pkd1	557.2778	0.038924	0.113597	0.342647	0.731864	0.975288
ENSMUSG0 Dpm3	170.3546	0.055365	0.16155	0.342712	0.731815	0.975288
ENSMUSG0 Plxnb1	206.0044	0.056582	0.164919	0.343093	0.731528	0.975288
ENSMUSG0 Tecr	480.3489	-0.0494	0.144294	-0.34233	0.732105	0.975359
ENSMUSG0 Zfp451	385.9036	0.051236	0.149905	0.341788	0.73251	0.975676
ENSMUSG0 Sdhd	144.3532	0.034309	0.159526	0.21507	0.829713	0.97612
ENSMUSG0 Trim25	192.8256	-0.03614	0.137546	-0.26277	0.79273	0.97612
ENSMUSG0 Mnt	479.0436	-0.02489	0.109503	-0.22733	0.820164	0.97612
ENSMUSG0 Cdh1	838.3297	0.032761	0.107508	0.304736	0.760568	0.97612
ENSMUSG0 Bcl6b	172.2327	-0.04647	0.151436	-0.30689	0.758926	0.97612
ENSMUSG0 Ndufa9	1053.34	-0.02641	0.099304	-0.26593	0.790297	0.97612
ENSMUSG0 Raf1	423.4464	0.025899	0.115607	0.224028	0.822736	0.97612
ENSMUSG0 Atp5f1	376.9741	-0.03705	0.118036	-0.31387	0.753618	0.97612
ENSMUSG0 Sez6	105.7484	0.045487	0.173278	0.26251	0.792928	0.97612
ENSMUSG0 Rpl13	239.6659	-0.04385	0.134397	-0.3263	0.744199	0.97612
ENSMUSG0 Zfp512b	647.6363	-0.03107	0.11569	-0.26854	0.788282	0.97612
ENSMUSG0 Kctd10	122.4229	0.040852	0.154684	0.264098	0.791704	0.97612
ENSMUSG0 Pcnt	215.4958	0.038804	0.132848	0.29209	0.770218	0.97612
ENSMUSG0 Glmp	292.5866	-0.02941	0.137101	-0.21452	0.830141	0.97612
ENSMUSG0 Mrpl10	181.3207	-0.03795	0.140491	-0.27014	0.787051	0.97612
ENSMUSG0 Siae	217.5199	0.028413	0.131989	0.215268	0.829558	0.97612
ENSMUSG0 Psmc3	301.1774	0.033239	0.12196	0.272537	0.785209	0.97612
ENSMUSG0 Braf	314.6148	0.036363	0.138361	0.262814	0.792694	0.97612
ENSMUSG0 Naa20	152.1889	-0.03381	0.146955	-0.23004	0.81806	0.97612
ENSMUSG0 Chaf1a	196.716	0.044987	0.132592	0.339287	0.734393	0.97612
ENSMUSG0 Ap2a2	263.8484	-0.03669	0.125575	-0.29218	0.77015	0.97612
ENSMUSG0 Ap1m1	349.1859	-0.0263	0.120635	-0.21805	0.827388	0.97612
ENSMUSG0 Stk11	139.6486	-0.04121	0.150447	-0.27389	0.784171	0.97612
ENSMUSG0 Sh3gl1	350.5982	-0.03971	0.116903	-0.33966	0.734114	0.97612
ENSMUSG0 Dusp3	274.6521	-0.03891	0.140698	-0.27654	0.782134	0.97612
ENSMUSG0 Kif20a	194.3603	-0.04497	0.139914	-0.32141	0.7479	0.97612
ENSMUSG0 Psap	3064.002	0.021298	0.089247	0.238642	0.811383	0.97612
ENSMUSG0 Atn1	189.9256	-0.04421	0.148368	-0.298	0.765707	0.97612
ENSMUSG0 Emg1	119.8811	-0.05148	0.153126	-0.33622	0.736708	0.97612
ENSMUSG0 Tax1bp1	170.4415	-0.03829	0.140296	-0.27291	0.784921	0.97612
ENSMUSG0 Dlst	486.8575	-0.03868	0.114815	-0.33685	0.736229	0.97612
ENSMUSG0 Lbr	616.6822	-0.02938	0.115854	-0.25362	0.799788	0.97612
ENSMUSG0 Prkacb	187.5864	-0.04505	0.152689	-0.29507	0.767937	0.97612
ENSMUSG0 Ndrp1	142.0695	0.042355	0.16606	0.255062	0.798675	0.97612
ENSMUSG0 Prdx2	372.405	0.038572	0.121675	0.317008	0.751237	0.97612
ENSMUSG0 Ripk4	221.4875	0.028434	0.131025	0.217014	0.828198	0.97612
ENSMUSG0 Msh6	260.3151	-0.02736	0.123789	-0.22106	0.825047	0.97612
ENSMUSG0 Tbl2	541.5891	-0.0399	0.119765	-0.33313	0.739033	0.97612
ENSMUSG0 Asf1b	226.0891	-0.03456	0.141966	-0.24346	0.807647	0.97612
ENSMUSG0 Por	327.6793	0.027788	0.122823	0.226242	0.821013	0.97612
ENSMUSG0 Igf1r	2578.03	0.024996	0.094548	0.264375	0.791491	0.97612
ENSMUSG0 Pan2	375.7834	-0.03771	0.13042	-0.28912	0.772489	0.97612
ENSMUSG0 Ctcf	193.7481	-0.03313	0.149118	-0.22218	0.824172	0.97612
ENSMUSG0 Ergic3	380.5834	-0.02778	0.115293	-0.24092	0.809617	0.97612
ENSMUSG0 Sra1	550.098	-0.02945	0.109538	-0.26887	0.788033	0.97612
ENSMUSG0 Eps15l1	217.4657	0.038962	0.139045	0.280214	0.779313	0.97612

ENSMUSG0Rbm14	167.5311	-0.03297	0.140649	-0.23445	0.814638	0.97612
ENSMUSG0Sfmbt1	435.9453	-0.02704	0.115287	-0.23452	0.814578	0.97612
ENSMUSG0Rundc3a	235.5187	-0.04601	0.143259	-0.32117	0.748083	0.97612
ENSMUSG0Slc5a6	176.8685	-0.03682	0.141464	-0.2603	0.794635	0.97612
ENSMUSG0Qrich1	317.4971	-0.02976	0.129076	-0.23054	0.817674	0.97612
ENSMUSG0Pola1	196.1114	-0.04299	0.133892	-0.32108	0.748148	0.97612
ENSMUSG0Hap1	266.4437	0.034632	0.125736	0.275437	0.78298	0.97612
ENSMUSG0Cct4	161.1649	-0.04314	0.140998	-0.30598	0.759621	0.97612
ENSMUSG0Arpc5	355.7477	-0.0333	0.126468	-0.26334	0.792287	0.97612
ENSMUSG0Rab25	114.5318	0.042845	0.15765	0.271771	0.785798	0.97612
ENSMUSG0Vdac3	156.2902	0.038711	0.150054	0.25798	0.796422	0.97612
ENSMUSG0Bcr	468.8789	-0.03565	0.119895	-0.2973	0.766235	0.97612
ENSMUSG0Aldh3a2	171.3857	0.043243	0.138978	0.311149	0.755687	0.97612
ENSMUSG0Tusc2	494.4344	-0.03096	0.113079	-0.27377	0.784264	0.97612
ENSMUSG0Gosr1	109.9121	-0.04643	0.168202	-0.27602	0.782536	0.97612
ENSMUSG0Ebf3	157.9027	-0.04872	0.148103	-0.32897	0.742177	0.97612
ENSMUSG0Odc1	936.1677	0.026527	0.095839	0.276785	0.781946	0.97612
ENSMUSG0Adgrl1	623.1935	-0.03529	0.112171	-0.31458	0.753079	0.97612
ENSMUSG0Etv5	224.5469	-0.02963	0.134447	-0.22038	0.825575	0.97612
ENSMUSG0Ndufs2	455.8102	-0.02817	0.124691	-0.22592	0.821263	0.97612
ENSMUSG0Atraid	143.3001	-0.04782	0.149665	-0.31951	0.74934	0.97612
ENSMUSG0St3gal1	129.5655	-0.03464	0.154288	-0.22454	0.822339	0.97612
ENSMUSG0Dedd	138.1629	0.051798	0.164311	0.315244	0.752577	0.97612
ENSMUSG0Pax5	156.2638	0.048206	0.157942	0.305215	0.760202	0.97612
ENSMUSG0Slc25a11	253.6581	-0.03943	0.125219	-0.3149	0.752835	0.97612
ENSMUSG0Psmbl	365.6096	0.033536	0.129315	0.259336	0.795376	0.97612
ENSMUSG0Ube2i	308.3877	-0.03426	0.124002	-0.27626	0.782347	0.97612
ENSMUSG0Hnrnp1	1531.426	0.026647	0.099794	0.267026	0.789449	0.97612
ENSMUSG0Arnt	141.4331	-0.04279	0.154164	-0.27754	0.781364	0.97612
ENSMUSG0Zfp318	121.8254	-0.04252	0.175459	-0.24235	0.808506	0.97612
ENSMUSG0Castor2	2106.192	-0.03263	0.103124	-0.31646	0.751654	0.97612
ENSMUSG0Slc25a5	583.4045	0.036729	0.128691	0.285404	0.775335	0.97612
ENSMUSG0Atad5	155.032	-0.03868	0.15004	-0.25778	0.796577	0.97612
ENSMUSG0Ttpal	264.7784	-0.03535	0.131687	-0.26847	0.788336	0.97612
ENSMUSG0Pigt	500.9365	-0.02667	0.116768	-0.22841	0.819325	0.97612
ENSMUSG0Nkiras2	175.0094	0.032619	0.14046	0.232227	0.816362	0.97612
ENSMUSG0Sgk2	170.6506	0.036428	0.144679	0.251783	0.801209	0.97612
ENSMUSG0Cyth3	331.2634	0.028965	0.124694	0.232285	0.816317	0.97612
ENSMUSG0Mrpl45	148.8601	-0.04151	0.148008	-0.28042	0.779152	0.97612
ENSMUSG0Irf1	214.8681	0.035344	0.139953	0.25254	0.800624	0.97612
ENSMUSG0Fis1	171.7786	-0.03156	0.13782	-0.22902	0.818853	0.97612
ENSMUSG0Nop9	150.7449	-0.03277	0.145445	-0.22528	0.821764	0.97612
ENSMUSG0Gipc1	140.1914	-0.04732	0.151747	-0.31182	0.755177	0.97612
ENSMUSG0Tmc4	197.2065	-0.03941	0.134576	-0.29282	0.769663	0.97612
ENSMUSG0Plagl1	286.3552	-0.04315	0.130263	-0.33127	0.740443	0.97612
ENSMUSG0Med23	149.4429	0.039277	0.162594	0.241563	0.809118	0.97612
ENSMUSG0Ifngr1	104.5954	-0.03842	0.16399	-0.23428	0.814766	0.97612
ENSMUSG0Hsp90b1	1340.423	-0.03139	0.110529	-0.284	0.776409	0.97612
ENSMUSG0Ccar1	140.9571	-0.03369	0.159286	-0.21148	0.832515	0.97612
ENSMUSG0Slc1a4	108.5621	-0.05127	0.158955	-0.32254	0.747041	0.97612
ENSMUSG0E2f7	753.1143	-0.03228	0.102435	-0.31514	0.752652	0.97612
ENSMUSG0Mdh1	2136.484	-0.02214	0.104314	-0.21223	0.83193	0.97612

ENSMUSG0Hnrnpab	448.0804	0.027505	0.126316	0.217748	0.827626	0.97612
ENSMUSG0Ppp4r3b	147.2561	0.038175	0.155162	0.246033	0.805657	0.97612
ENSMUSG0Cnot8	261.524	0.038433	0.128857	0.29826	0.765505	0.97612
ENSMUSG0Syp1	154.3209	-0.04337	0.152495	-0.28441	0.776097	0.97612
ENSMUSG0Nbas	343.3181	0.03103	0.123819	0.25061	0.802116	0.97612
ENSMUSG0Grhl1	109.1706	-0.03491	0.155586	-0.22438	0.82246	0.97612
ENSMUSG0Rabep1	129.412	0.04768	0.152323	0.313021	0.754264	0.97612
ENSMUSG0Blmh	457.4486	0.025507	0.110079	0.231716	0.816759	0.97612
ENSMUSG0Lrrc59	567.74	-0.03426	0.112756	-0.30388	0.761216	0.97612
ENSMUSG0Dvl2	135.7715	-0.03163	0.147381	-0.21462	0.830063	0.97612
ENSMUSG0Tmem107	113.7224	0.046363	0.154596	0.2999	0.764253	0.97612
ENSMUSG0Acly	6834.129	-0.02859	0.085402	-0.33483	0.737757	0.97612
ENSMUSG0Eftud2	312.5635	-0.03747	0.145291	-0.25792	0.796467	0.97612
ENSMUSG0Zc3h14	151.4411	-0.0505	0.151093	-0.33421	0.738218	0.97612
ENSMUSG0Ppm1a	105.5753	-0.04561	0.157343	-0.28988	0.771905	0.97612
ENSMUSG0Zmynd11	118.8298	0.037201	0.156526	0.237667	0.812139	0.97612
ENSMUSG0Esyt2	265.1586	-0.03051	0.138368	-0.2205	0.825483	0.97612
ENSMUSG0Evl	104.5964	-0.04726	0.161205	-0.29314	0.769417	0.97612
ENSMUSG0Ppp1r13b	126.3014	-0.03484	0.152818	-0.228	0.819648	0.97612
ENSMUSG0Zkscan3	143.1021	0.035198	0.156459	0.22497	0.822003	0.97612
ENSMUSG0Ssr1	1323.812	-0.03209	0.113523	-0.2827	0.777407	0.97612
ENSMUSG0Ddx41	140.4843	-0.03914	0.152583	-0.2565	0.797562	0.97612
ENSMUSG0Rasa1	178.8007	-0.03502	0.153216	-0.22856	0.819208	0.97612
ENSMUSG0Slc30a5	195.3834	0.04057	0.136999	0.296134	0.767128	0.97612
ENSMUSG0Col4a3bp	125.5512	-0.03717	0.149708	-0.24825	0.803939	0.97612
ENSMUSG0Kat6b	132.9463	-0.0349	0.158695	-0.21989	0.825956	0.97612
ENSMUSG0Samd8	215.566	-0.03925	0.147273	-0.2665	0.789854	0.97612
ENSMUSG0Bmpr1a	200.9775	0.046207	0.138959	0.332524	0.739494	0.97612
ENSMUSG0Ppp3cb	154.0446	-0.0329	0.143736	-0.22889	0.818956	0.97612
ENSMUSG0Zswim8	294.2564	-0.04016	0.120499	-0.33331	0.738904	0.97612
ENSMUSG0Capn7	219.1389	-0.03634	0.142051	-0.25584	0.798075	0.97612
ENSMUSG0Trim35	517.5969	0.024917	0.104911	0.237509	0.812262	0.97612
ENSMUSG0Dpysl2	1317.238	-0.02541	0.107362	-0.23669	0.812897	0.97612
ENSMUSG0Dnajc3	293.5984	0.037147	0.130906	0.283771	0.776586	0.97612
ENSMUSG0Ctnnd2	170.6501	-0.04575	0.144536	-0.31652	0.751611	0.97612
ENSMUSG0Mtbp	132.0972	-0.04826	0.158781	-0.30391	0.761197	0.97612
ENSMUSG0Asap1	680.055	-0.02953	0.102343	-0.2885	0.772963	0.97612
ENSMUSG0Rbx1	141.9756	0.042254	0.150717	0.280355	0.779205	0.97612
ENSMUSG0Nudt16l1	114.7433	0.033504	0.152474	0.219734	0.826078	0.97612
ENSMUSG0Mgrn1	245.0433	-0.03181	0.136163	-0.23362	0.815279	0.97612
ENSMUSG0Rogdi	222.7404	-0.04044	0.138693	-0.29156	0.77062	0.97612
ENSMUSG0Scrib	216.8565	-0.03209	0.137345	-0.23362	0.815281	0.97612
ENSMUSG0Nectin3	276.2157	0.033132	0.144814	0.228791	0.819031	0.97612
ENSMUSG0Snx4	117.2501	-0.04479	0.155282	-0.28843	0.77302	0.97612
ENSMUSG0Dip2b	671.9823	-0.02577	0.103228	-0.24962	0.802881	0.97612
ENSMUSG0Bsg	978.4735	-0.03127	0.101088	-0.30936	0.75705	0.97612
ENSMUSG0Celsr3	573.2634	-0.03829	0.118319	-0.32366	0.746198	0.97612
ENSMUSG0Lnpep	368.8208	-0.04107	0.13445	-0.30548	0.759997	0.97612
ENSMUSG0Ubr2	469.6309	-0.03253	0.131448	-0.2475	0.804524	0.97612
ENSMUSG0Bysl	223.474	-0.03756	0.129826	-0.28929	0.772361	0.97612
ENSMUSG0Spast	270.7585	-0.04221	0.127104	-0.33212	0.739798	0.97612
ENSMUSG0Fam234a	612.4361	0.025376	0.106024	0.239344	0.810839	0.97612

ENSMUSG0 Luc7l	174.3885	0.040492	0.146896	0.275648	0.782819	0.97612
ENSMUSG0 Anks1	422.673	0.031574	0.118459	0.266535	0.789827	0.97612
ENSMUSG0 Zeb1	112.1196	0.043011	0.164062	0.262164	0.793195	0.97612
ENSMUSG0 Celf4	163.1262	0.039726	0.143159	0.277494	0.781401	0.97612
ENSMUSG0 Mapre2	371.2802	0.034044	0.132335	0.25726	0.796978	0.97612
ENSMUSG0 Ccny	266.5199	-0.04133	0.122341	-0.33786	0.735467	0.97612
ENSMUSG0 Dsc2	199.1496	-0.03983	0.166977	-0.23854	0.811463	0.97612
ENSMUSG0 Dele1	188.0546	0.037335	0.135377	0.275787	0.782712	0.97612
ENSMUSG0 Gabbr1	192.4814	-0.04095	0.162773	-0.25157	0.801376	0.97612
ENSMUSG0 Afg3l2	230.953	-0.0354	0.129409	-0.27359	0.7844	0.97612
ENSMUSG0 Atp9b	192.1514	0.039904	0.135102	0.29536	0.767719	0.97612
ENSMUSG0 Grpel2	145.1318	-0.04265	0.150015	-0.28433	0.776155	0.97612
ENSMUSG0 Gnaq	326.8241	0.046102	0.146302	0.315118	0.752672	0.97612
ENSMUSG0 Psat1	457.1017	0.025955	0.120885	0.214707	0.829996	0.97612
ENSMUSG0 Incenp	136.5282	-0.0409	0.153676	-0.26616	0.790115	0.97612
ENSMUSG0 Fads2	609.2943	0.037021	0.118691	0.31191	0.755109	0.97612
ENSMUSG0 Fam111a	124.5071	0.047279	0.150398	0.314357	0.75325	0.97612
ENSMUSG0 Lipa	139.7052	-0.03669	0.149681	-0.24509	0.806388	0.97612
ENSMUSG0 Zfp11	143.4626	-0.04521	0.156892	-0.28818	0.773207	0.97612
ENSMUSG0 Minpp1	389.038	0.033865	0.120956	0.279975	0.779496	0.97612
ENSMUSG0 Vldlr	300.3547	-0.04175	0.13004	-0.32109	0.748145	0.97612
ENSMUSG0 Spindoc	132.6856	-0.05185	0.154372	-0.33589	0.736957	0.97612
ENSMUSG0 Zdhhc6	275.7903	0.03065	0.137982	0.222127	0.824215	0.97612
ENSMUSG0 Fam45a	109.4027	0.048382	0.159019	0.304254	0.760934	0.97612
ENSMUSG0 Hells	216.4575	-0.04647	0.151898	-0.30592	0.759668	0.97612
ENSMUSG0 Xpnpep1	256.0954	0.037954	0.131442	0.28875	0.772773	0.97612
ENSMUSG0 Slk	145.0855	-0.03903	0.144326	-0.27043	0.786832	0.97612
ENSMUSG0 Ints4	167.7759	-0.04873	0.15511	-0.31414	0.753417	0.97612
ENSMUSG0 Pycr1	180.7556	-0.04871	0.146529	-0.33242	0.739574	0.97612
ENSMUSG0 Csnk1d	1422.273	-0.02821	0.091329	-0.30886	0.757425	0.97612
ENSMUSG0 Got1	511.9646	-0.03071	0.11336	-0.27093	0.786447	0.97612
ENSMUSG0 Chuk	110.1694	-0.04674	0.157314	-0.29714	0.766361	0.97612
ENSMUSG0 Arih1	393.0311	0.026261	0.12268	0.21406	0.8305	0.97612
ENSMUSG0 Esyt1	697.0578	-0.02642	0.097317	-0.27144	0.786054	0.97612
ENSMUSG0 Atp5a1	1748.433	0.027658	0.087272	0.316913	0.75131	0.97612
ENSMUSG0 Tubgcp2	129.2044	0.048493	0.154224	0.314431	0.753193	0.97612
ENSMUSG0 Taldo1	152.9473	-0.03227	0.150203	-0.21481	0.829912	0.97612
ENSMUSG0 Cant1	285.3453	-0.02794	0.124962	-0.22361	0.823058	0.97612
ENSMUSG0 Mkl1	311.0305	-0.03123	0.122415	-0.25513	0.798621	0.97612
ENSMUSG0 Rps6ka6	114.9044	0.034004	0.157088	0.216465	0.828625	0.97612
ENSMUSG0 Sec11a	170.3695	0.030955	0.146391	0.211453	0.832533	0.97612
ENSMUSG0 Tyms	179.3693	-0.04215	0.137201	-0.30723	0.758671	0.97612
ENSMUSG0 Sgk3	251.1958	0.040372	0.131055	0.308051	0.758044	0.97612
ENSMUSG0 Plekha2	210.0977	0.03107	0.135828	0.228744	0.819068	0.97612
ENSMUSG0 Abcb6	176.8895	-0.04417	0.14566	-0.30327	0.761686	0.97612
ENSMUSG0 Dnpep	235.9063	0.034591	0.131077	0.2639	0.791857	0.97612
ENSMUSG0 Cops7b	155.3493	0.032537	0.149373	0.217826	0.827565	0.97612
ENSMUSG0 Mrpl44	131.023	-0.04695	0.161774	-0.29021	0.771656	0.97612
ENSMUSG0 Sep-02	343.2407	-0.03082	0.123478	-0.24963	0.802877	0.97612
ENSMUSG0 Atg16l1	393.6092	0.029411	0.1176	0.250093	0.802515	0.97612
ENSMUSG0 Dbi	163.3323	-0.04829	0.147124	-0.32822	0.742742	0.97612
ENSMUSG0 Tor1aip1	160.1308	0.045054	0.145376	0.309914	0.756626	0.97612

ENSMUSG0 Lamc1	183.2207	0.039449	0.155352	0.253933	0.799547	0.97612
ENSMUSG0 Vamp4	107.0612	-0.0379	0.161123	-0.23519	0.814059	0.97612
ENSMUSG0 Kif5c	574.7488	0.030501	0.120285	0.253571	0.799827	0.97612
ENSMUSG0 Mindy3	108.2756	0.052042	0.164376	0.316602	0.751546	0.97612
ENSMUSG0 Phf19	153.8516	-0.04318	0.152186	-0.28375	0.776599	0.97612
ENSMUSG0 Sec16a	582.142	-0.03141	0.116306	-0.27005	0.787121	0.97612
ENSMUSG0 Gpsm1	303.0417	0.027012	0.125008	0.216083	0.828923	0.97612
ENSMUSG0 Arl6ip6	126.8906	-0.04071	0.159966	-0.25452	0.799098	0.97612
ENSMUSG0 Ssfa2	181.1614	-0.03379	0.139986	-0.24135	0.809284	0.97612
ENSMUSG0 Dync1i2	144.4037	0.031187	0.144061	0.216485	0.82861	0.97612
ENSMUSG0 Ssrp1	462.6745	-0.03363	0.106231	-0.31657	0.751569	0.97612
ENSMUSG0 Slc12a6	163.8515	0.044821	0.153729	0.291559	0.770624	0.97612
ENSMUSG0 Emc4	105.5695	-0.04395	0.160945	-0.2731	0.784773	0.97612
ENSMUSG0 Cstf3	119.6868	0.046326	0.150933	0.306934	0.758894	0.97612
ENSMUSG0 Api5	516.2488	-0.04289	0.135646	-0.31618	0.751866	0.97612
ENSMUSG0 Syt13	2856.248	0.023249	0.080428	0.289065	0.772532	0.97612
ENSMUSG0 Wdr76	141.9359	0.037949	0.145778	0.260319	0.794618	0.97612
ENSMUSG0 Arhgap1	193.0219	-0.03693	0.137922	-0.26776	0.788885	0.97612
ENSMUSG0 Pdia3	670.7747	0.03847	0.115641	0.332669	0.739384	0.97612
ENSMUSG0 Ubr1	221.4262	-0.04169	0.153605	-0.27139	0.786091	0.97612
ENSMUSG0 Ubox5	193.0444	-0.04828	0.147287	-0.32782	0.74305	0.97612
ENSMUSG04930402H2	367.9493	0.047488	0.142193	0.333967	0.738405	0.97612
ENSMUSG0 Slc23a2	236.674	0.040022	0.141003	0.283836	0.776536	0.97612
ENSMUSG0 Nop56	153.5632	-0.03766	0.15008	-0.25096	0.801847	0.97612
ENSMUSG0 Pcsk2	3239.1	-0.03464	0.101642	-0.34077	0.733278	0.97612
ENSMUSG0 Tbc1d20	138.5997	-0.04602	0.155905	-0.29519	0.767849	0.97612
ENSMUSG0 Gnas	1033.391	0.031411	0.1042	0.301449	0.763072	0.97612
ENSMUSG0 Rpn2	3369.947	-0.02956	0.088718	-0.33314	0.739032	0.97612
ENSMUSG0 Rprd1b	245.6911	0.045878	0.146823	0.31247	0.754683	0.97612
ENSMUSG0 Cog6	140.0267	0.037323	0.149398	0.249824	0.802723	0.97612
ENSMUSG0 Supt20	196.0846	0.038662	0.141689	0.272865	0.784957	0.97612
ENSMUSG0 Nbea	626.8145	0.035102	0.113383	0.30959	0.756872	0.97612
ENSMUSG0 Gpsm2	117.6897	0.040734	0.165813	0.24566	0.805946	0.97612
ENSMUSG0 Il6ra	167.3471	0.041619	0.152028	0.273763	0.784267	0.97612
ENSMUSG0 Adar	121.4774	-0.04926	0.155728	-0.31635	0.751736	0.97612
ENSMUSG0 Trim2	285.1345	-0.0327	0.131236	-0.24919	0.803212	0.97612
ENSMUSG0 Glrb	187.9212	0.040796	0.145144	0.28107	0.778657	0.97612
ENSMUSG0 Gba	113.3407	-0.04781	0.164624	-0.29044	0.771481	0.97612
ENSMUSG0 Iqgap3	151.5599	-0.03504	0.149922	-0.23373	0.815196	0.97612
ENSMUSG0 Ubxn2b	105.2712	-0.03635	0.157038	-0.2315	0.816923	0.97612
ENSMUSG0 Ncbp1	170.6625	0.041308	0.142195	0.290503	0.771432	0.97612
ENSMUSG0 Nans	179.7232	-0.04586	0.168457	-0.27223	0.785448	0.97612
ENSMUSG0 B4galt1	260.1163	-0.0441	0.130082	-0.33902	0.734595	0.97612
ENSMUSG0 Ubap2	670.7332	-0.03148	0.145843	-0.21582	0.829131	0.97612
ENSMUSG0 Dctn3	133.7798	0.033296	0.152146	0.21884	0.826775	0.97612
ENSMUSG0 Btf3l4	185.2355	0.042702	0.169658	0.251693	0.801278	0.97612
ENSMUSG0 Cpt2	205.1888	-0.02967	0.13766	-0.2155	0.82938	0.97612
ENSMUSG0 Lrrc42	310.4194	0.038016	0.130704	0.290853	0.771163	0.97612
ENSMUSG0 Tmem59	519.9377	-0.02475	0.103869	-0.23825	0.811686	0.97612
ENSMUSG0 Mrpl37	151.0546	-0.03955	0.149004	-0.26545	0.790663	0.97612
ENSMUSG0 Pithd1	185.1722	-0.02908	0.135692	-0.21428	0.830328	0.97612
ENSMUSG0 Mrto4	269.2819	0.040225	0.125407	0.320754	0.748396	0.97612

ENSMUSG0Ak2	178.2419	0.039431	0.140244	0.281162	0.778586	0.97612
ENSMUSG0Tmem234	563.2974	-0.02903	0.108361	-0.26787	0.788802	0.97612
ENSMUSG0Vamp3	529.0916	-0.02238	0.102252	-0.21884	0.826777	0.97612
ENSMUSG0Fastk	362.84	0.047374	0.144339	0.328215	0.742749	0.97612
ENSMUSG0Ccni2	431.1107	-0.03274	0.115758	-0.28284	0.7773	0.97612
ENSMUSG0Pi4k2b	108.4524	0.037261	0.165129	0.225645	0.821477	0.97612
ENSMUSG0D5Ert579e	396.6405	-0.02688	0.117428	-0.22888	0.81896	0.97612
ENSMUSG0Paics	178.2974	0.037779	0.144981	0.260581	0.794416	0.97612
ENSMUSG0Tfip11	104.464	0.039525	0.162726	0.242893	0.808088	0.97612
ENSMUSG0Pitpnm2	251.6177	-0.03269	0.142627	-0.22923	0.818687	0.97612
ENSMUSG0Vps33a	157.2625	0.047421	0.152284	0.3114	0.755496	0.97612
ENSMUSG0Prkab1	147.9241	-0.04296	0.14913	-0.28809	0.77328	0.97612
ENSMUSG0Sppl3	172.3178	-0.04673	0.143439	-0.32575	0.74461	0.97612
ENSMUSG0Foxp2	424.2459	0.046008	0.149913	0.3069	0.75892	0.97612
ENSMUSG0Tmem106b	193.4177	-0.03329	0.150509	-0.22118	0.824949	0.97612
ENSMUSG0Wipi2	133.6769	0.047263	0.154453	0.306002	0.759603	0.97612
ENSMUSG0Glcci1	275.9668	-0.04628	0.142144	-0.3256	0.74473	0.97612
ENSMUSG0Hsph1	319.4138	0.029488	0.131443	0.224342	0.822491	0.97612
ENSMUSG0Pcyox1	1008.3	0.034428	0.11058	0.311341	0.755541	0.97612
ENSMUSG0Sec61a1	1735.232	0.021685	0.093302	0.232416	0.816215	0.97612
ENSMUSG0Edem1	1015.902	0.034486	0.109732	0.314277	0.753311	0.97612
ENSMUSG0Erc1	164.53	-0.04803	0.150433	-0.31931	0.749491	0.97612
ENSMUSG0Vps33b	191.6773	0.034916	0.142027	0.245841	0.805805	0.97612
ENSMUSG0Sema4b	336.2612	0.025244	0.11886	0.212387	0.831805	0.97612
ENSMUSG0Psmid8	145.2869	-0.04433	0.152501	-0.29072	0.771268	0.97612
ENSMUSG0Arl6ip1	861.4961	0.029611	0.112602	0.26297	0.792574	0.97612
ENSMUSG0Ppme1	195.4487	-0.03612	0.140374	-0.2573	0.796947	0.97612
ENSMUSG0Rps3	363.6274	-0.03898	0.118723	-0.32836	0.742641	0.97612
ENSMUSG0Thap12	258.9048	-0.04405	0.131041	-0.33617	0.736744	0.97612
ENSMUSG0Bcl7c	120.1538	0.043821	0.170318	0.257291	0.796954	0.97612
ENSMUSG0Mrpl17	109.5697	-0.04277	0.162643	-0.26299	0.792556	0.97612
ENSMUSG0Polr3e	216.6579	0.033629	0.135507	0.248173	0.804	0.97612
ENSMUSG0Ilk	345.0464	-0.04375	0.135158	-0.32367	0.746192	0.97612
ENSMUSG0Zranb1	157.4816	0.046481	0.147318	0.315519	0.752368	0.97612
ENSMUSG0Fadd	208.0863	0.03134	0.13929	0.224996	0.821983	0.97612
ENSMUSG0Gpkow	119.5176	0.044396	0.156548	0.283595	0.776721	0.97612
ENSMUSG0Pim2	126.9849	-0.05089	0.151225	-0.33652	0.736482	0.97612
ENSMUSG0Hdac6	239.6487	0.044407	0.131651	0.33731	0.735883	0.97612
ENSMUSG0Vbp1	338.1678	-0.04772	0.142888	-0.33398	0.738393	0.97612
ENSMUSG0Piga	108.8796	0.043922	0.171545	0.256039	0.797921	0.97612
ENSMUSG0Atp11a	277.3427	-0.04704	0.145561	-0.32316	0.746574	0.97612
ENSMUSG0Gpat4	290.8426	0.043891	0.140297	0.312841	0.754402	0.97612
ENSMUSG0Asah1	385.5743	-0.04376	0.147978	-0.29574	0.767431	0.97612
ENSMUSG0Slc7a2	1276.533	-0.03168	0.103212	-0.30696	0.758876	0.97612
ENSMUSG0Vps37a	348.3607	-0.03517	0.131413	-0.26764	0.788976	0.97612
ENSMUSG0Sin3b	254.8928	0.030322	0.132599	0.228674	0.819122	0.97612
ENSMUSG0Amfr	415.8695	0.038294	0.132104	0.289876	0.771911	0.97612
ENSMUSG0Mt3	838.0739	0.025949	0.104328	0.248727	0.803572	0.97612
ENSMUSG0Atp13a1	394.5524	0.024647	0.111683	0.220689	0.825334	0.97612
ENSMUSG0Pla2g15	236.1032	0.037169	0.132003	0.281577	0.778268	0.97612
ENSMUSG0Vps26b	117.9167	-0.04701	0.151056	-0.31118	0.755663	0.97612
ENSMUSG0Cul5	163.687	0.042752	0.14099	0.30323	0.761715	0.97612

ENSMUSG0Alg9	220.4026	0.03951	0.147523	0.26782	0.788838	0.97612
ENSMUSG0Slc37a4	211.6566	-0.03408	0.131489	-0.25922	0.795468	0.97612
ENSMUSG0Tmod2	1143.898	0.020972	0.093344	0.224669	0.822237	0.97612
ENSMUSG0Fem1b	1400.952	0.025308	0.103429	0.244693	0.806694	0.97612
ENSMUSG0Xrn1	201.5388	-0.03845	0.151301	-0.25414	0.79939	0.97612
ENSMUSG0Rasa2	242.8259	-0.03642	0.151299	-0.24071	0.809779	0.97612
ENSMUSG0Cdc25a	281.5134	-0.03134	0.127264	-0.24628	0.805464	0.97612
ENSMUSG0Dhx30	303.0515	-0.03208	0.134676	-0.23821	0.811717	0.97612
ENSMUSG0Cck	3336.146	-0.023	0.090238	-0.25488	0.798816	0.97612
ENSMUSG0Trak1	348.8284	-0.03173	0.121817	-0.26044	0.794524	0.97612
ENSMUSG0Usp4	394.8262	0.034939	0.115999	0.301197	0.763264	0.97612
ENSMUSG0Srek1	156.4931	-0.04055	0.16374	-0.24765	0.804407	0.97612
ENSMUSG0Gtf3c1	448.8342	0.030859	0.124171	0.248521	0.803732	0.97612
ENSMUSG0Trpc1	286.6548	-0.03938	0.123421	-0.31909	0.74966	0.97612
ENSMUSG02410131K1	105.0478	0.04589	0.156005	0.294155	0.768639	0.97612
ENSMUSG0Abcc10	151.3047	-0.04488	0.154126	-0.29116	0.770927	0.97612
ENSMUSG0Smap2	713.1508	-0.03067	0.109614	-0.27979	0.779638	0.97612
ENSMUSG0Acsf3	967.7315	-0.04095	0.132673	-0.30866	0.757582	0.97612
ENSMUSG0Lrig2	383.129	-0.03494	0.128429	-0.27206	0.78558	0.97612
ENSMUSG0Hspa13	271.3372	-0.02833	0.130485	-0.2171	0.828134	0.97612
ENSMUSG0Nup93	1377.64	0.037051	0.109981	0.336888	0.736202	0.97612
ENSMUSG0Slc22a15	175.1229	0.036172	0.146988	0.246091	0.805612	0.97612
ENSMUSG0Ptpf	1017.872	0.032143	0.100538	0.319715	0.749184	0.97612
ENSMUSG0Agl	222.4806	0.042628	0.133331	0.319715	0.749185	0.97612
ENSMUSG0Fam20b	342.5487	-0.02627	0.114536	-0.22932	0.818621	0.97612
ENSMUSG0Myo6	112.0952	0.053179	0.16677	0.318875	0.749821	0.97612
ENSMUSG0Lrrc14	135.6801	0.042192	0.153788	0.274351	0.783815	0.97612
ENSMUSG0Sf3b3	479.7937	-0.03022	0.105294	-0.28699	0.774118	0.97612
ENSMUSG0Ndufb7	158.2648	-0.03905	0.14459	-0.27004	0.787127	0.97612
ENSMUSG0Cct2	423.5646	-0.03483	0.121304	-0.28716	0.773993	0.97612
ENSMUSG0Rpap1	127.3645	-0.03343	0.152802	-0.21879	0.826815	0.97612
ENSMUSG0Poglut1	122.9929	0.043831	0.150713	0.290821	0.771188	0.97612
ENSMUSG0Golm4	194.0496	-0.04217	0.141638	-0.29771	0.765927	0.97612
ENSMUSG0Kctd7	126.5648	0.049387	0.150262	0.328671	0.742404	0.97612
ENSMUSG0Sik3	376.5627	-0.03758	0.116967	-0.32126	0.748015	0.97612
ENSMUSG0Hsd1l	183.844	0.031543	0.148428	0.212515	0.831706	0.97612
ENSMUSG0Polq	148.0008	0.045421	0.159306	0.285115	0.775556	0.97612
ENSMUSG0Plekhl1	187.9472	-0.04411	0.141825	-0.31105	0.755764	0.97612
ENSMUSG0Ina	167.4692	-0.03048	0.137831	-0.22115	0.824978	0.97612
ENSMUSG0Mtmr3	487.1045	-0.03259	0.109479	-0.29771	0.765927	0.97612
ENSMUSG0Pkd2	119.9961	-0.03685	0.158598	-0.23237	0.816247	0.97612
ENSMUSG0Zfp395	234.6625	-0.0413	0.128219	-0.32213	0.747353	0.97612
ENSMUSG0Exph5	185.9984	-0.03666	0.145113	-0.25261	0.800571	0.97612
ENSMUSG0Hid1	1065.359	0.023651	0.101627	0.232729	0.815972	0.97612
ENSMUSG0Gns	941.045	-0.02943	0.117897	-0.24963	0.802877	0.97612
ENSMUSG0Ttyh2	1013.299	-0.02633	0.104111	-0.25293	0.800324	0.97612
ENSMUSG0Dusp5	1494.92	-0.03023	0.098734	-0.30614	0.759496	0.97612
ENSMUSG0Gna11	278.654	0.027427	0.122627	0.22366	0.823022	0.97612
ENSMUSG0Unc13a	445.9213	0.036421	0.134571	0.270644	0.786665	0.97612
ENSMUSG0Sos2	120.1325	-0.03573	0.168901	-0.21152	0.832483	0.97612
ENSMUSG0Sidt2	201.2268	-0.04627	0.151516	-0.30539	0.760066	0.97612
ENSMUSG0Ap2b1	774.0947	-0.02288	0.106452	-0.21498	0.829783	0.97612

ENSMUSG0Zc3h12c	206.1916	0.030938	0.137533	0.224952	0.822017	0.97612
ENSMUSG0Plekhh3	211.508	0.033759	0.146624	0.230241	0.817905	0.97612
ENSMUSG0Heatr5a	159.092	0.044113	0.140649	0.313636	0.753797	0.97612
ENSMUSG0Eogt	133.4149	0.051271	0.179091	0.286288	0.774658	0.97612
ENSMUSG0Mbd3	164.6755	-0.03346	0.147143	-0.2274	0.82011	0.97612
ENSMUSG0Tstd2	199.4552	0.029139	0.136738	0.213105	0.831245	0.97612
ENSMUSG0Igfbpl1	312.704	0.037646	0.133238	0.282544	0.777526	0.97612
ENSMUSG0Pcdh17	181.693	0.029556	0.138631	0.213198	0.831173	0.97612
ENSMUSG0Cnot3	129.7928	0.050621	0.162218	0.312056	0.754998	0.97612
ENSMUSG0Alg8	113.4217	-0.03941	0.159029	-0.24781	0.804285	0.97612
ENSMUSG0Abca7	321.4665	0.03667	0.126121	0.290754	0.771239	0.97612
ENSMUSG0Supt16	286.0546	-0.02903	0.128871	-0.2253	0.821749	0.97612
ENSMUSG0Tmem161b	123.7826	0.050163	0.155667	0.322244	0.747268	0.97612
ENSMUSG0Mrps2	167.3029	-0.03143	0.148601	-0.21149	0.832507	0.97612
ENSMUSG0Zdhhc17	148.4036	-0.05078	0.150319	-0.33784	0.735485	0.97612
ENSMUSG0Ythdc1	180.6718	-0.04357	0.14568	-0.29907	0.764884	0.97612
ENSMUSG0Aldh5a1	347.6461	0.028285	0.12891	0.219414	0.826328	0.97612
ENSMUSG0Fbxw2	107.1459	0.037622	0.15811	0.237951	0.811919	0.97612
ENSMUSG0Tmtc2	193.7313	0.048832	0.147016	0.332155	0.739772	0.97612
ENSMUSG0Edc4	182.0779	0.032723	0.141202	0.231747	0.816734	0.97612
ENSMUSG0Ubac1	158.1699	-0.04118	0.148788	-0.2768	0.781934	0.97612
ENSMUSG0Gadd45a	179.9811	0.044725	0.140336	0.318697	0.749956	0.97612
ENSMUSG0Cylid	236.757	0.030614	0.134571	0.227495	0.820039	0.97612
ENSMUSG0Ehmt1	175.7914	0.038511	0.156978	0.24533	0.806201	0.97612
ENSMUSG0Setd7	520.1363	0.036587	0.122715	0.298143	0.765594	0.97612
ENSMUSG0Fam193a	159.5293	-0.04975	0.162071	-0.30695	0.75888	0.97612
ENSMUSG0Larp1	1211.486	-0.0216	0.087331	-0.24738	0.804614	0.97612
ENSMUSG0Rims2	131.5733	0.0462	0.15736	0.293596	0.769067	0.97612
ENSMUSG0Cnnm4	572.0633	-0.02722	0.110078	-0.2473	0.80468	0.97612
ENSMUSG0Vgf	816.4306	0.03234	0.099049	0.326505	0.744042	0.97612
ENSMUSG0Ppfia1	247.517	-0.03459	0.12874	-0.26869	0.788168	0.97612
ENSMUSG0Mavs	108.1692	-0.04399	0.156661	-0.28082	0.778846	0.97612
ENSMUSG0Slc20a2	103.4301	0.049189	0.161993	0.303646	0.761398	0.97612
ENSMUSG0Cd81	181.124	0.043408	0.141808	0.306107	0.759523	0.97612
ENSMUSG0Tspan14	172.0161	-0.03629	0.140346	-0.25856	0.795977	0.97612
ENSMUSG0Smarce1	155.1	-0.04081	0.157943	-0.25841	0.796093	0.97612
ENSMUSG0Wipf2	164.9707	0.049026	0.145186	0.337679	0.735605	0.97612
ENSMUSG0Phf2	141.5772	-0.03728	0.152488	-0.24449	0.806854	0.97612
ENSMUSG0Trappc11	271.5725	0.040331	0.122368	0.329586	0.741713	0.97612
ENSMUSG0Fam210a	224.3275	-0.03711	0.150406	-0.2467	0.805139	0.97612
ENSMUSG0Prkab2	130.2796	0.050194	0.154064	0.325798	0.744577	0.97612
ENSMUSG0Mfsd14b	153.5769	0.046129	0.151288	0.30491	0.760434	0.97612
ENSMUSG0Fau	106.6644	-0.04819	0.16298	-0.29571	0.767453	0.97612
ENSMUSG0Mlxip	179.3347	-0.04167	0.14074	-0.29606	0.767188	0.97612
ENSMUSG0Lasp1	220.0329	-0.03727	0.147476	-0.25273	0.800473	0.97612
ENSMUSG0Setd1b	260.8365	-0.03239	0.130483	-0.24825	0.80394	0.97612
ENSMUSG0Chmp4b	143.727	0.034954	0.147709	0.23664	0.812936	0.97612
ENSMUSG0Armc10	404.9863	0.02884	0.112398	0.256588	0.797497	0.97612
ENSMUSG0Pcid2	140.0611	-0.04866	0.151402	-0.32137	0.747931	0.97612
ENSMUSG0Reep2	321.7114	-0.03306	0.122213	-0.27047	0.786797	0.97612
ENSMUSG0Rtel1	128.9158	-0.03638	0.161459	-0.22533	0.82172	0.97612
ENSMUSG0Taf5l	182.3135	0.049503	0.149343	0.331471	0.740289	0.97612

ENSMUSG0 Plcl2	162.7468	-0.0342	0.142929	-0.23931	0.810869	0.97612
ENSMUSG0 Slco4a1	127.2249	-0.05378	0.158952	-0.33837	0.735083	0.97612
ENSMUSG0 Txndc5	257.9395	0.042825	0.133385	0.321063	0.748163	0.97612
ENSMUSG0 Ndst2	162.8717	-0.0328	0.142816	-0.22969	0.818335	0.97612
ENSMUSG0 Rab3gap2	255.9837	0.034654	0.126016	0.274997	0.783319	0.97612
ENSMUSG0 Hs3st6	611.3203	0.028156	0.105525	0.266814	0.789613	0.97612
ENSMUSG0 Mrpl12	198.7005	-0.03407	0.132383	-0.25733	0.796927	0.97612
ENSMUSG0 Sdk1	132.6636	0.041399	0.166499	0.248645	0.803635	0.97612
ENSMUSG0 Zer1	247.5159	-0.02783	0.126826	-0.21942	0.826326	0.97612
ENSMUSG0 Hs2st1	118.0389	-0.03776	0.153218	-0.24644	0.805341	0.97612
ENSMUSG0 Ikzf5	113.3996	-0.04149	0.166321	-0.24947	0.803	0.97612
ENSMUSG0 Scamp2	263.0266	-0.03331	0.131373	-0.25357	0.79983	0.97612
ENSMUSG0 Dcaf1	217.2598	-0.05305	0.165469	-0.32061	0.748503	0.97612
ENSMUSG0 Ambra1	260.256	-0.04406	0.133699	-0.32952	0.741764	0.97612
ENSMUSG0 Pck2	198.908	-0.03256	0.13217	-0.24636	0.805406	0.97612
ENSMUSG0 Ppip5k2	202.7467	0.041726	0.134729	0.309704	0.756786	0.97612
ENSMUSG0 Tbl3	138.789	0.034476	0.157109	0.219437	0.826309	0.97612
ENSMUSG0 Rnf167	198.4984	-0.03868	0.144232	-0.26815	0.788586	0.97612
ENSMUSG0 Szrd1	283.6751	0.04636	0.144478	0.320881	0.748301	0.97612
ENSMUSG0 Sft2d2	156.9622	0.045186	0.146033	0.309424	0.756999	0.97612
ENSMUSG0 Slc19a2	433.1227	-0.02757	0.125621	-0.21947	0.826282	0.97612
ENSMUSG0 Zfp281	240.2232	0.036445	0.158294	0.230235	0.817909	0.97612
ENSMUSG0 Bicdl1	184.1479	0.031161	0.140928	0.221116	0.825002	0.97612
ENSMUSG0 Pi4ka	524.1423	0.027495	0.121395	0.226494	0.820817	0.97612
ENSMUSG0 Rbm45	302.2642	-0.03987	0.152951	-0.26068	0.794337	0.97612
ENSMUSG0 Gatad2b	264.5681	0.042955	0.133518	0.321718	0.747666	0.97612
ENSMUSG0 Usp22	239.5214	0.039322	0.139002	0.282891	0.777261	0.97612
ENSMUSG0 Sin3a	146.7229	-0.03366	0.153251	-0.21966	0.826137	0.97612
ENSMUSG0 Safb2	106.8299	0.05267	0.17558	0.299978	0.764194	0.97612
ENSMUSG0 Xkr7	234.3551	0.039501	0.12938	0.305308	0.760131	0.97612
ENSMUSG0 Tceal9	391.6531	0.037813	0.120928	0.312686	0.754519	0.97612
ENSMUSG0 Map3k9	211.036	-0.03992	0.130286	-0.30642	0.759287	0.97612
ENSMUSG0 Ppp2r3a	203.3055	-0.03624	0.142106	-0.25504	0.798693	0.97612
ENSMUSG0 Zmpste24	319.0935	0.02994	0.134111	0.223245	0.823345	0.97612
ENSMUSG0 Fem1a	239.4834	-0.02679	0.126085	-0.21251	0.831708	0.97612
ENSMUSG0 Taf10	191.075	-0.03143	0.138757	-0.22654	0.820785	0.97612
ENSMUSG0 Slc36a4	249.4619	0.031843	0.127987	0.248795	0.803519	0.97612
ENSMUSG0 Thrp3	474.2902	0.03712	0.127594	0.290919	0.771113	0.97612
ENSMUSG0 Slc35g1	117.6308	0.041599	0.155189	0.268054	0.788658	0.97612
ENSMUSG0 Dsg2	116.291	0.042752	0.158698	0.269392	0.787628	0.97612
ENSMUSG0 Slc38a6	811.9277	0.032774	0.132438	0.247465	0.804548	0.97612
ENSMUSG0 Coa4	199.1533	-0.04888	0.165194	-0.29592	0.76729	0.97612
ENSMUSG0 Zfp574	108.18	0.046311	0.165767	0.279375	0.779957	0.97612
ENSMUSG0 Zfp629	104.1927	-0.04211	0.163958	-0.25682	0.797317	0.97612
ENSMUSG0 Col27a1	316.5285	0.043517	0.14275	0.304848	0.760482	0.97612
ENSMUSG0 Mms22l	176.9618	0.031306	0.137799	0.227183	0.820281	0.97612
ENSMUSG0 Tssc4	290.0221	0.028529	0.119067	0.239608	0.810635	0.97612
ENSMUSG0 Slitrk6	150.2719	0.051183	0.170271	0.300598	0.763721	0.97612
ENSMUSG0 Slc25a51	433.0926	-0.03763	0.116585	-0.32275	0.746888	0.97612
ENSMUSG0 E2f8	358.2093	-0.04449	0.139822	-0.31821	0.750326	0.97612
ENSMUSG0 Mtftr1l	229.4561	0.033133	0.139577	0.237377	0.812364	0.97612
ENSMUSG0 Tent5b	119.9938	0.044707	0.1522	0.293735	0.76896	0.97612

ENSMUSG0 Cystm1	504.5019	-0.02902	0.133181	-0.21788	0.827521	0.97612
ENSMUSG0 Ckap4	179.1827	-0.04568	0.140007	-0.32629	0.744203	0.97612
ENSMUSG0 Zfp740	121.0808	-0.03516	0.153206	-0.22951	0.818475	0.97612
ENSMUSG0 Tapt1	181.2436	-0.04993	0.150911	-0.33084	0.740762	0.97612
ENSMUSG0D030056L2	116.2534	-0.03395	0.150934	-0.22491	0.822049	0.97612
ENSMUSG0 Zfp768	171.0147	0.038065	0.144248	0.263888	0.791866	0.97612
ENSMUSG0 Yipf6	216.7598	0.040618	0.134554	0.30187	0.762751	0.97612
ENSMUSG0 Wbp1l	284.1552	0.037344	0.125901	0.296614	0.766761	0.97612
ENSMUSG0 Rnf150	108.2337	0.035463	0.154092	0.230142	0.817981	0.97612
ENSMUSG0 Usp14	217.2056	-0.03298	0.128598	-0.25647	0.797585	0.97612
ENSMUSG0 Ino80c	110.4683	-0.05184	0.16305	-0.31795	0.750521	0.97612
ENSMUSG0 Arf1	850.6948	-0.03591	0.111907	-0.32093	0.748265	0.97612
ENSMUSG0 Rnf149	161.975	0.036822	0.146353	0.251599	0.801351	0.97612
ENSMUSG0 Scrt1	175.0434	-0.03272	0.146492	-0.22337	0.823248	0.97612
ENSMUSG0 Lemd3	226.6942	-0.03942	0.133879	-0.29447	0.768396	0.97612
ENSMUSG0 Phf3	337.8515	0.031456	0.130819	0.240457	0.809976	0.97612
ENSMUSG0 Fam110b	137.3867	0.037532	0.148959	0.251961	0.801071	0.97612
ENSMUSG0 Dcaf7	681.4444	-0.02855	0.098495	-0.28982	0.771953	0.97612
ENSMUSG0 Spty2d1	364.4586	-0.02972	0.120285	-0.24705	0.804872	0.97612
ENSMUSG0 Ap5b1	177.1234	-0.04018	0.139066	-0.28895	0.772619	0.97612
ENSMUSG0 Bdp1	291.4169	-0.03389	0.144373	-0.23476	0.814394	0.97612
ENSMUSG0 Sertad2	137.9884	0.038367	0.164716	0.23293	0.815816	0.97612
ENSMUSG0 Rspry1	181.4796	0.035878	0.148028	0.242374	0.808491	0.97612
ENSMUSG0 Lamtor4	299.1669	-0.04126	0.12907	-0.31964	0.749238	0.97612
ENSMUSG0 Prkaa1	189.8075	-0.04272	0.139521	-0.30618	0.759467	0.97612
ENSMUSG0 Selenon	140.6416	0.038691	0.158782	0.243674	0.807484	0.97612
ENSMUSG0 Adnp	182.2846	0.043621	0.158699	0.274866	0.783419	0.97612
ENSMUSG0 Cacna1c	511.6148	0.033124	0.114704	0.288774	0.772754	0.97612
ENSMUSG0 Crebzf	120.3643	0.044195	0.157699	0.280248	0.779287	0.97612
ENSMUSG0 Zfp24	111.4485	0.036375	0.159041	0.228715	0.819091	0.97612
ENSMUSG0 Mafg	1907.51	0.024742	0.101827	0.242978	0.808023	0.97612
ENSMUSG0 Arf3	519.6896	0.030701	0.113314	0.270933	0.786442	0.97612
ENSMUSG0 Opa3	139.7442	-0.03232	0.144745	-0.22328	0.823318	0.97612
ENSMUSG0 Tbc1d30	199.5499	-0.04338	0.144071	-0.3011	0.76334	0.97612
ENSMUSG0 Ezr	174.3581	0.029887	0.140463	0.212773	0.831504	0.97612
ENSMUSG0 Atp6v1a	802.9737	-0.02769	0.104137	-0.26591	0.790311	0.97612
ENSMUSG0 Adam17	161.9618	0.032815	0.153182	0.214224	0.830372	0.97612
ENSMUSG0 Sae1	275.2724	-0.03403	0.133027	-0.25578	0.798119	0.97612
ENSMUSG0 Junb	122.7966	0.047311	0.152452	0.31033	0.75631	0.97612
ENSMUSG0 Rnf26	547.5632	0.025745	0.117894	0.218371	0.82714	0.97612
ENSMUSG0 Sec61b	312.6609	-0.04184	0.126582	-0.33053	0.740999	0.97612
ENSMUSG0 D10Jhu81e	216.0394	0.040004	0.134103	0.29831	0.765467	0.97612
ENSMUSG01810037117	352.5577	-0.03294	0.138333	-0.2381	0.811806	0.97612
ENSMUSG0 Rhob	318.1258	-0.02867	0.127682	-0.22453	0.822344	0.97612
ENSMUSG0 Lclat1	163.5671	0.034749	0.148141	0.234564	0.814547	0.97612
ENSMUSG0 Kdm2a	370.3879	0.031848	0.136283	0.233687	0.815228	0.97612
ENSMUSG0 Set	300.6188	0.040669	0.13523	0.30074	0.763613	0.97612
ENSMUSG0 Cntn1	255.9126	0.035585	0.132425	0.268721	0.788144	0.97612
ENSMUSG0 Kcmf1	129.0459	0.040033	0.154739	0.258711	0.795858	0.97612
ENSMUSG0 Ntrk2	1823.422	0.030814	0.093894	0.328177	0.742778	0.97612
ENSMUSG0 Stam2	160.1965	0.042857	0.164773	0.260096	0.79479	0.97612
ENSMUSG0 Eef1d	130.3445	-0.03529	0.153237	-0.23027	0.817878	0.97612

ENSMUSG0 Lig1	433.3715	0.026691	0.116746	0.228626	0.81916	0.97612
ENSMUSG0 Aak1	656.4187	-0.03337	0.126479	-0.26383	0.791908	0.97612
ENSMUSG0 Cep170	395.7182	0.038552	0.132586	0.290766	0.77123	0.97612
ENSMUSG0 Eif1a	150.5127	0.049582	0.152345	0.325459	0.744834	0.97612
ENSMUSG0 Sptan1	1328.526	0.027495	0.093356	0.294514	0.768365	0.97612
ENSMUSG0 Spock2	119.1364	-0.03617	0.156338	-0.23133	0.817061	0.97612
ENSMUSG0 Upf1	445.3411	-0.03284	0.109813	-0.29903	0.764914	0.97612
ENSMUSG0 Phtf1	282.8415	0.029581	0.123777	0.238983	0.811119	0.97612
ENSMUSG0 Rnf169	204.2796	-0.03885	0.134939	-0.28793	0.773404	0.97612
ENSMUSG0 Hist1h1b	177.3197	0.029421	0.138574	0.21231	0.831865	0.97612
ENSMUSG0 Gm10053	168.408	-0.04239	0.158666	-0.26718	0.789332	0.97612
ENSMUSG0 Eif4a1	798.8178	-0.04263	0.134542	-0.31683	0.751372	0.97612
ENSMUSG04930453N2	144.3817	-0.03819	0.166017	-0.23002	0.818077	0.97612
ENSMUSG0 Kif13b	251.2618	0.028127	0.130174	0.216075	0.828929	0.97612
ENSMUSG0 Nr1h2	359.3218	0.035052	0.115189	0.304303	0.760897	0.97612
ENSMUSG0 Bloc1s4	158.5007	0.034951	0.157218	0.222309	0.824073	0.97612
ENSMUSG0 Tmem263	151.9392	-0.04815	0.14347	-0.33558	0.737187	0.97612
ENSMUSG0 Prpf40a	238.2337	-0.02906	0.137	-0.21215	0.831991	0.97612
ENSMUSG0 Maml3	297.7237	0.039989	0.119826	0.333725	0.738587	0.97612
ENSMUSG0 Phf5a	288.0559	-0.02877	0.135405	-0.21248	0.831731	0.97612
ENSMUSG0 Cox5b	344.7438	-0.02979	0.139632	-0.21332	0.831074	0.97612
ENSMUSG0 Ksr2	112.6752	0.03981	0.157871	0.252171	0.800909	0.97612
ENSMUSG0 Med9	105.619	0.03633	0.162397	0.22371	0.822983	0.97612
ENSMUSG0 Bod1l	153.4661	0.036591	0.151168	0.242055	0.808737	0.97612
ENSMUSG0 Rpl34	231.4765	-0.02963	0.135951	-0.21797	0.827451	0.97612
ENSMUSG0 Rapgef2	309.9361	-0.02991	0.124267	-0.24066	0.809815	0.97612
ENSMUSG0 Rpl7a	223.2863	0.039071	0.135287	0.2888	0.772734	0.97612
ENSMUSG0 Kcnma1	114.9807	-0.03789	0.157266	-0.24095	0.809591	0.97612
ENSMUSG0 Ap3s2	345.6021	0.038675	0.136568	0.283196	0.777027	0.97612
ENSMUSG0 Brpf3	176.5759	-0.03656	0.144265	-0.2534	0.799961	0.97612
ENSMUSG0 Ifi27	123.813	-0.04574	0.157166	-0.29102	0.771039	0.97612
ENSMUSG0 mt-Cytb	2241.193	-0.05185	0.179282	-0.28923	0.772407	0.97612
ENSMUSG0 Gm24950	512.0105	-0.05905	0.180046	-0.32799	0.742918	0.97612
ENSMUSG0 Rny3	3148.174	-0.03656	0.141074	-0.25914	0.795528	0.97612
ENSMUSG0 Vaultrc5	131.8415	-0.04397	0.163621	-0.26871	0.788153	0.97612
ENSMUSG0 Gm23971	512.0105	-0.05905	0.180046	-0.32799	0.742918	0.97612
ENSMUSG0 Rny1	321.583	-0.03022	0.130576	-0.23145	0.816967	0.97612
ENSMUSG0 Gm23849	512.0878	-0.05919	0.180033	-0.3288	0.742306	0.97612
ENSMUSG0 Gm26316	133.2956	-0.05513	0.172755	-0.31913	0.749625	0.97612
ENSMUSG0 Rnu2-10	512.157	-0.0593	0.180034	-0.32939	0.741864	0.97612
ENSMUSG0 Zfyve26	373.33	-0.04027	0.118445	-0.34	0.733857	0.97612
ENSMUSG0 Rdh11	280.7046	0.047254	0.144267	0.327546	0.743255	0.97612
ENSMUSG0 Bmpr2	304.3919	-0.04467	0.133363	-0.33496	0.737658	0.97612
ENSMUSG0 Blcap	447.3791	0.025073	0.114124	0.219698	0.826107	0.97612
ENSMUSG0 Gjd2	316.5514	-0.03398	0.137757	-0.2467	0.805143	0.97612
ENSMUSG0 Syt11	814.0883	0.027644	0.102046	0.270901	0.786467	0.97612
ENSMUSG0 Zbtb34	207.774	0.048001	0.147287	0.325897	0.744502	0.97612
ENSMUSG0 Marcks	260.715	-0.04374	0.133814	-0.32686	0.743773	0.97612
ENSMUSG0 Tia1	104.9673	0.039935	0.168893	0.236451	0.813083	0.97612
ENSMUSG0 Ints5	168.5322	0.040487	0.14441	0.280359	0.779202	0.97612
ENSMUSG0 Ttc9c	110.64	-0.04498	0.158481	-0.28385	0.776527	0.97612
ENSMUSG0 Sep-05	133.0853	0.033341	0.149886	0.222444	0.823968	0.97612

ENSMUSG0 Cep170b	517.3759	-0.02653	0.105809	-0.25073	0.802021	0.97612
ENSMUSG0 Alg6	128.0338	-0.03755	0.153997	-0.24385	0.807348	0.97612
ENSMUSG0 Exoc8	143.3617	0.040634	0.149226	0.272299	0.785392	0.97612
ENSMUSG0 Adh1	162.8768	-0.03591	0.139887	-0.25672	0.797391	0.97612
ENSMUSG0 Arfp1	252.0121	-0.02982	0.13137	-0.22696	0.820455	0.97612
ENSMUSG0 Cpne1	153.3033	0.033001	0.152013	0.217092	0.828136	0.97612
ENSMUSG0 Ranbp6	267.4343	0.03231	0.13081	0.247003	0.804906	0.97612
ENSMUSG0 Rc3h2	615.1791	-0.03332	0.106268	-0.31354	0.753869	0.97612
ENSMUSG0 Dnlz	187.5066	0.030865	0.140629	0.219475	0.82628	0.97612
ENSMUSG0 Zfp652	423.0513	-0.03863	0.117756	-0.32804	0.742882	0.97612
ENSMUSG0 Selenos	141.7319	-0.03348	0.148	-0.22619	0.821051	0.97612
ENSMUSG0 Ctdsp2	162.1636	-0.03945	0.14155	-0.27872	0.780458	0.97612
ENSMUSG0 Smarcd2	414.9933	0.031987	0.121474	0.263324	0.792301	0.97612
ENSMUSG0 Gm4631	152.9703	0.041758	0.142158	0.293741	0.768955	0.97612
ENSMUSG0 Prnp	1000.162	-0.04155	0.128598	-0.32307	0.746643	0.97612
ENSMUSG0 Ctsf	279.8901	-0.03093	0.123348	-0.25076	0.802003	0.97612
ENSMUSG0 Gm13889	137.035	-0.03263	0.152851	-0.21345	0.830974	0.97612
ENSMUSG0 Tmem170b	180.8851	-0.04643	0.145693	-0.31868	0.749971	0.97612
ENSMUSG0 Rasgef1b	133.0586	-0.03576	0.152737	-0.23411	0.814901	0.97612
ENSMUSG0 Timm10b	111.8329	-0.04781	0.174489	-0.27399	0.784094	0.97612
ENSMUSG0 Gm25360	187.6386	-0.04534	0.169377	-0.26767	0.788956	0.97612
ENSMUSG0 Entpd4	152.8962	0.034228	0.143979	0.237728	0.812092	0.97612
ENSMUSG0 Gm25313	206.0637	-0.02444	0.085821	-0.2848	0.775801	0.97612
ENSMUSG0 Vkorc1	224.1449	0.041956	0.140174	0.299312	0.764702	0.97612
ENSMUSG0 Peg13	564.1651	-0.03068	0.113122	-0.27123	0.786215	0.97612
ENSMUSG0 Gtf3c2	180.6814	0.051305	0.158351	0.323993	0.745944	0.97612
ENSMUSG0 Gm2762	168.6793	-0.05019	0.149294	-0.33615	0.736759	0.97612
ENSMUSG0 Celsr3	572.8624	-0.0369	0.118296	-0.31193	0.755094	0.97612
ENSMUSG0 Pxmp4	153.5116	-0.03082	0.152263	-0.20244	0.83957	0.976159
ENSMUSG0 Mef2d	306.304	0.026013	0.129078	0.201532	0.840282	0.976159
ENSMUSG0 Bbc3	187.6363	0.029714	0.142638	0.208317	0.834981	0.976159
ENSMUSG0 Pafah1b2	416.0109	0.02685	0.133053	0.201796	0.840076	0.976159
ENSMUSG0 Keap1	109.8516	-0.03286	0.164821	-0.19938	0.841966	0.976159
ENSMUSG0 Csnk1g2	121.8447	0.029825	0.158851	0.187751	0.851072	0.976159
ENSMUSG0 Phyhip	161.9762	0.030434	0.16169	0.188223	0.850702	0.976159
ENSMUSG0 Pnpla6	295.6552	0.026596	0.142012	0.187282	0.85144	0.976159
ENSMUSG0 Slbp	118.1414	-0.03137	0.155611	-0.20158	0.840242	0.976159
ENSMUSG0 Rab11a	520.6646	0.023656	0.121097	0.195346	0.845122	0.976159
ENSMUSG0 Tmem184b	251.9631	0.025403	0.13717	0.185195	0.853076	0.976159
ENSMUSG0 Ap1b1	563.7953	-0.02535	0.123335	-0.20553	0.837158	0.976159
ENSMUSG0 Pgam1	967.0447	-0.01791	0.094845	-0.18884	0.850219	0.976159
ENSMUSG0 Camta1	245.7863	-0.03053	0.152391	-0.20031	0.841237	0.976159
ENSMUSG0 Hdac2	420.1426	-0.02388	0.114344	-0.20885	0.834564	0.976159
ENSMUSG0 Gopc	143.3541	-0.0282	0.144087	-0.19573	0.84482	0.976159
ENSMUSG0 Nuak1	290.9184	0.02672	0.134435	0.198761	0.84245	0.976159
ENSMUSG0 Osbp18	143.2055	-0.028	0.14956	-0.18718	0.851516	0.976159
ENSMUSG0 Limk2	121.6586	-0.03156	0.16381	-0.19267	0.847221	0.976159
ENSMUSG0 Eif4enif1	180.5593	-0.03105	0.165353	-0.18775	0.85107	0.976159
ENSMUSG0 Rps6kb1	274.009	0.025121	0.13236	0.189795	0.84947	0.976159
ENSMUSG0 Fam20a	255.4102	0.028646	0.138044	0.207511	0.835611	0.976159
ENSMUSG0 Itsn2	459.0613	0.028066	0.141757	0.197988	0.843055	0.976159
ENSMUSG0 Prpf8	1332.068	-0.02055	0.097675	-0.21039	0.833361	0.976159

ENSMUSG0 Gosr2	712.284	0.02537	0.126303	0.200866	0.840804	0.976159
ENSMUSG0 Nin	180.8237	0.027464	0.137473	0.199774	0.841658	0.976159
ENSMUSG0 Net1	206.9495	-0.0276	0.142125	-0.19419	0.846024	0.976159
ENSMUSG0 Map3k1	459.5359	0.028387	0.139334	0.203732	0.838563	0.976159
ENSMUSG0 Zhx1	119.6193	0.029977	0.150974	0.198559	0.842608	0.976159
ENSMUSG0 Rrn3	174.5599	-0.03018	0.146787	-0.20557	0.837127	0.976159
ENSMUSG0 Eif4a2	372.4783	-0.02235	0.118326	-0.18886	0.8502	0.976159
ENSMUSG0 Tarbp2	138.1974	0.027801	0.146709	0.189497	0.849703	0.976159
ENSMUSG0 Creld2	155.1131	0.027548	0.144623	0.190485	0.848929	0.976159
ENSMUSG0 Epb41l3	374.3446	-0.02601	0.131396	-0.19798	0.843062	0.976159
ENSMUSG0 Slc39a7	439.793	-0.02067	0.108442	-0.19062	0.848826	0.976159
ENSMUSG0 Nelfe	136.4671	0.027978	0.146398	0.191106	0.848442	0.976159
ENSMUSG0 Gusb	248.4011	0.027868	0.135607	0.205509	0.837174	0.976159
ENSMUSG0 Fam20c	264.4925	0.023948	0.125382	0.191001	0.848525	0.976159
ENSMUSG0 Rsu1	352.5192	-0.02724	0.144231	-0.1889	0.850173	0.976159
ENSMUSG0 Abl1	354.2685	0.02383	0.120049	0.198503	0.842652	0.976159
ENSMUSG0 Mtx2	133.0263	0.030834	0.151446	0.203598	0.838668	0.976159
ENSMUSG0 Myef2	286.6315	-0.02428	0.121351	-0.20008	0.841414	0.976159
ENSMUSG0 Slc33a1	156.3975	-0.02966	0.147361	-0.20127	0.840489	0.976159
ENSMUSG0 Sdcbp	283.0089	0.026432	0.126895	0.208301	0.834994	0.976159
ENSMUSG0 Enhho	115.0541	0.028853	0.155698	0.185311	0.852985	0.976159
ENSMUSG0 Plaa	184.8611	0.029809	0.143399	0.207875	0.835326	0.976159
ENSMUSG0 Abcf2	162.5513	0.028361	0.144014	0.196935	0.843879	0.976159
ENSMUSG0 Dffb	116.0611	-0.03048	0.156961	-0.19419	0.846026	0.976159
ENSMUSG0 Sdf4	219.1817	-0.02627	0.141961	-0.18507	0.853176	0.976159
ENSMUSG0 Nelfa	272.5297	-0.03031	0.145742	-0.20794	0.835278	0.976159
ENSMUSG0 Dr1	159.9242	-0.02974	0.146616	-0.20287	0.839236	0.976159
ENSMUSG0 Cdk2ap1	243.9023	0.027174	0.132497	0.205087	0.837504	0.976159
ENSMUSG0 Fam216a	130.8537	-0.03117	0.157532	-0.19789	0.843129	0.976159
ENSMUSG0 Camkk2	117.6256	-0.02915	0.156695	-0.18603	0.852418	0.976159
ENSMUSG0 Calu	637.7914	0.022349	0.115869	0.192882	0.847051	0.976159
ENSMUSG0 Tacc2	496.4163	0.021313	0.113628	0.187573	0.851212	0.976159
ENSMUSG0 Acadsb	145.3589	0.033323	0.165329	0.201554	0.840265	0.976159
ENSMUSG0 Aff2	133.352	-0.03107	0.15938	-0.19493	0.845446	0.976159
ENSMUSG0 Cdkl5	193.2425	-0.02656	0.136266	-0.19493	0.845448	0.976159
ENSMUSG0 Morf4l2	768.1474	0.023292	0.111613	0.208684	0.834695	0.976159
ENSMUSG0 Agpat5	132.6384	-0.0306	0.151126	-0.2025	0.839529	0.976159
ENSMUSG0 Tnks	540.3314	-0.02471	0.121274	-0.20371	0.838578	0.976159
ENSMUSG0 Gsr	202.9782	-0.02984	0.142014	-0.21015	0.833554	0.976159
ENSMUSG0 Tmem184c	138.5768	-0.03494	0.168124	-0.20784	0.835358	0.976159
ENSMUSG0 Wdr59	282.9415	0.027599	0.13578	0.203261	0.838931	0.976159
ENSMUSG0 U2surp	251.231	0.025358	0.130693	0.194024	0.846157	0.976159
ENSMUSG0 Amotl2	147.0354	0.031578	0.163794	0.192794	0.84712	0.976159
ENSMUSG0 Mrpl3	173.1556	-0.0277	0.14698	-0.18848	0.850499	0.976159
ENSMUSG0 Gga1	128.3365	0.028183	0.149736	0.188217	0.850707	0.976159
ENSMUSG0 Szt2	163.1216	-0.03492	0.168768	-0.2069	0.836087	0.976159
ENSMUSG0 Clasp2	552.4179	-0.02254	0.107883	-0.20893	0.834506	0.976159
ENSMUSG0 Armcx1	111.5299	-0.03132	0.153758	-0.20372	0.838573	0.976159
ENSMUSG0 Gabrb3	118.1713	0.029842	0.158999	0.187685	0.851124	0.976159
ENSMUSG0 Phka1	120.1033	-0.03213	0.156759	-0.20497	0.837593	0.976159
ENSMUSG0 Cbl	436.0774	0.022503	0.118696	0.189584	0.849635	0.976159
ENSMUSG0 Tent4a	227.4577	-0.02742	0.142827	-0.19195	0.847782	0.976159

ENSMUSG0Pbx2	244.5153	-0.02784	0.140308	-0.1984	0.842735	0.976159
ENSMUSG0Pcdh11x	188.4821	0.030513	0.161122	0.189379	0.849795	0.976159
ENSMUSG0Tet3	1020.792	0.019703	0.096904	0.203321	0.838884	0.976159
ENSMUSG0Eif2s3x	190.45	-0.02889	0.154949	-0.18643	0.852111	0.976159
ENSMUSG0Oaz1	582.9588	-0.02108	0.102785	-0.20504	0.837538	0.976159
ENSMUSG09530068E0	237.1622	-0.02745	0.143101	-0.1918	0.847898	0.976159
ENSMUSG0Slc38a7	287.8849	-0.02747	0.137134	-0.20032	0.841232	0.976159
ENSMUSG0Topors	154.6716	-0.02988	0.149191	-0.20025	0.841287	0.976159
ENSMUSG0Mex3c	177.7144	-0.02876	0.137899	-0.20859	0.834769	0.976159
ENSMUSG0Bicd2	284.6117	-0.02556	0.133169	-0.19191	0.847814	0.976159
ENSMUSG0Chpf2	146.7227	0.028278	0.150391	0.18803	0.850853	0.976159
ENSMUSG0Nop2	109.1487	-0.0306	0.157821	-0.19386	0.846282	0.976159
ENSMUSG0Smg6	108.5485	-0.03513	0.172237	-0.20394	0.838398	0.976159
ENSMUSG0Dcun1d2	129.7739	0.027687	0.147528	0.187669	0.851136	0.976159
ENSMUSG0Ensa	346.1586	-0.02237	0.117825	-0.18984	0.849431	0.976159
ENSMUSG0St6galnac5	195.5532	0.030683	0.146032	0.210109	0.833582	0.976159
ENSMUSG0Taf4	113.2804	0.031407	0.164187	0.191288	0.8483	0.976159
ENSMUSG0Neil3	131.9079	0.031882	0.157646	0.20224	0.839729	0.976159
ENSMUSG0Fbxl5	153.3677	-0.02843	0.146416	-0.1942	0.846016	0.976159
ENSMUSG0Edrf1	125.4856	-0.03144	0.156502	-0.20088	0.840791	0.976159
ENSMUSG0Camta2	214.6357	0.025971	0.139468	0.186217	0.852275	0.976159
ENSMUSG0Rps19	1700.139	-0.02095	0.10719	-0.19542	0.845066	0.976159
ENSMUSG0Poldip3	278.9059	-0.0241	0.121956	-0.19757	0.84338	0.976159
ENSMUSG0Arhgef11	231.2768	0.024807	0.131493	0.188659	0.85036	0.976159
ENSMUSG0Sh2b3	346.1716	0.022101	0.118619	0.186322	0.852192	0.976159
ENSMUSG0Rnf214	141.9657	-0.0306	0.14831	-0.20629	0.836562	0.976159
ENSMUSG0Dpy19l4	103.6516	0.030209	0.163112	0.185202	0.85307	0.976159
ENSMUSG0Ogfr	119.0307	-0.03016	0.158509	-0.1903	0.849077	0.976159
ENSMUSG0Proser1	126.8184	0.027831	0.149746	0.185857	0.852557	0.976159
ENSMUSG0C77080	307.2294	0.022562	0.120249	0.187628	0.851169	0.976159
ENSMUSG0Gan	170.2087	-0.02797	0.148355	-0.18852	0.850467	0.976159
ENSMUSG0Nup107	136.2693	0.03062	0.150861	0.20297	0.839159	0.976159
ENSMUSG0Cadps	330.1024	-0.02408	0.124188	-0.1939	0.846254	0.976159
ENSMUSG0Foxk1	143.4961	-0.03216	0.153325	-0.20976	0.833859	0.976159
ENSMUSG0Ado	463.1568	-0.02233	0.112318	-0.19879	0.842423	0.976159
ENSMUSG0Spop	179.2608	0.029018	0.147275	0.197036	0.8438	0.976159
ENSMUSG0Rps16-ps2	115.6281	-0.03098	0.15298	-0.2025	0.839525	0.976159
ENSMUSG0Gstp1	128.0852	-0.02946	0.148674	-0.19817	0.842911	0.976159
ENSMUSG0Mcrip1	193.9691	0.027118	0.140813	0.192583	0.847286	0.976159
ENSMUSG0Ext1	136.2789	0.034382	0.163521	0.210257	0.833467	0.976159
ENSMUSG0Arf2	422.9589	-0.02161	0.110158	-0.19619	0.84446	0.976159
ENSMUSG0Lsm14a	105.9268	0.030468	0.161622	0.188512	0.850476	0.976159
ENSMUSG0Celsr2	207.5296	0.035064	0.168893	0.207609	0.835535	0.976159
ENSMUSG0Nudt11	204.8198	-0.02519	0.131377	-0.19171	0.847972	0.976159
ENSMUSG0AC149090.:	421.6322	0.021504	0.10882	0.197609	0.843351	0.976159
ENSMUSG0Gstp1	127.8426	-0.02791	0.148688	-0.18774	0.85108	0.976159
ENSMUSG0Samd4b	310.5201	-0.02246	0.121168	-0.18535	0.852958	0.976159
ENSMUSG0Npepps	428.7078	0.028025	0.152444	0.183838	0.854141	0.976265
ENSMUSG0Jag2	321.8386	-0.02232	0.122241	-0.1826	0.855112	0.976265
ENSMUSG0H2afy	220.9443	0.024869	0.135849	0.183061	0.85475	0.976265
ENSMUSG0Cdc6	139.7486	-0.02735	0.149729	-0.18267	0.855055	0.976265
ENSMUSG0Rad50	140.9715	-0.0296	0.160438	-0.18447	0.853642	0.976265

ENSMUSG0Slc39a14	165.4897	0.026887	0.145737	0.184488	0.853631	0.976265
ENSMUSG0Kif22	138.7805	-0.02997	0.163873	-0.18287	0.854897	0.976265
ENSMUSG0Hmbs	183.3143	0.027168	0.148694	0.182713	0.855023	0.976265
ENSMUSG0Serbp1	685.8675	0.01968	0.106811	0.184254	0.853814	0.976265
ENSMUSG0Sbno1	595.5997	0.02041	0.111592	0.182899	0.854877	0.976265
ENSMUSG0Akap13	241.7934	0.024975	0.136395	0.183111	0.854711	0.976265
ENSMUSG0Pnrc2	110.9776	-0.02983	0.163946	-0.18196	0.855613	0.976646
ENSMUSG0Ccnd2	2010.865	-0.01883	0.10616	-0.17736	0.859227	0.976652
ENSMUSG0Nalcn	154.622	-0.02664	0.149788	-0.17784	0.858852	0.976652
ENSMUSG0Chmp1a	193.4892	-0.02604	0.147093	-0.17706	0.859463	0.976652
ENSMUSG0Patz1	104.4606	0.029358	0.165022	0.177903	0.858799	0.976652
ENSMUSG0Spag9	577.637	0.019807	0.111203	0.178113	0.858635	0.976652
ENSMUSG0Pbk	383.31	-0.02322	0.129311	-0.17954	0.857514	0.976652
ENSMUSG0Prkdc	163.4984	0.025953	0.147324	0.176164	0.860165	0.976652
ENSMUSG0Hsp90ab1	2189.612	-0.01738	0.098616	-0.17625	0.8601	0.976652
ENSMUSG0Mtch1	789.3028	0.021124	0.119324	0.177033	0.859482	0.976652
ENSMUSG0Mpzl1	354.1101	-0.02196	0.12403	-0.17709	0.859438	0.976652
ENSMUSG0Gars	2507.004	0.015007	0.08447	0.177655	0.858994	0.976652
ENSMUSG0Mark4	163.8349	0.024718	0.139824	0.176777	0.859683	0.976652
ENSMUSG0Adra2a	1794.316	-0.01614	0.09082	-0.17777	0.858906	0.976652
ENSMUSG0Emsy	221.4923	-0.02877	0.160745	-0.17896	0.857968	0.976652
ENSMUSG0Vstm2l	205.8813	-0.02497	0.141842	-0.17607	0.860237	0.976652
ENSMUSG0Rflna	195.3333	-0.02435	0.137166	-0.17753	0.859089	0.976652
ENSMUSG0Dsel	155.6564	0.02866	0.160997	0.178015	0.858711	0.976652
ENSMUSG0Sec24c	484.11	0.020508	0.113362	0.180904	0.856443	0.976652
ENSMUSG0Fbrs	111.1218	0.030217	0.168382	0.179458	0.857578	0.976652
ENSMUSG0Tmem215	280.5137	0.023069	0.130961	0.176152	0.860174	0.976652
ENSMUSG0Jagn1	126.5732	-0.02716	0.15434	-0.17598	0.860312	0.976652
ENSMUSG0Usp42	182.5359	0.024613	0.138482	0.177736	0.85893	0.976652
ENSMUSG01600014C1	131.8564	-0.02704	0.14982	-0.18048	0.856777	0.976652
ENSMUSG0Miga1	186.0309	0.026445	0.149889	0.176432	0.859955	0.976652
ENSMUSG0Zbtb40	127.5375	0.026753	0.149941	0.178423	0.858391	0.976652
ENSMUSG0Mtx1	171.1965	0.025569	0.143402	0.178303	0.858485	0.976652
ENSMUSG0Ndufb6	123.304	-0.02728	0.153254	-0.178	0.858722	0.976652
ENSMUSG0Rnf8	145.5867	-0.02649	0.147959	-0.17902	0.857922	0.976652
ENSMUSG0Map3k4	167.5363	0.024974	0.142358	0.175429	0.860743	0.976721
ENSMUSG0Nde1	127.5842	0.026771	0.152728	0.175288	0.860853	0.976721
ENSMUSG0Tbc1d16	412.2271	0.020214	0.115339	0.175259	0.860876	0.976721
ENSMUSG0Acbd5	126.03	-0.02698	0.154478	-0.17466	0.861345	0.976873
ENSMUSG0Ppp1r12b	139.1259	0.026962	0.154258	0.174783	0.86125	0.976873
ENSMUSG0Amd1	486.3034	0.021574	0.123791	0.174281	0.861645	0.977022
ENSMUSG0Nr1d2	172.9659	-0.02482	0.142705	-0.17393	0.861921	0.977035
ENSMUSG0Cct5	375.3947	-0.02132	0.122855	-0.17352	0.862242	0.977035
ENSMUSG0Kif4	155.8709	-0.02743	0.157914	-0.1737	0.862099	0.977035
ENSMUSG0Os9	509.5617	-0.01828	0.105412	-0.17341	0.862327	0.977035
ENSMUSG0Paxbp1	109.9197	-0.02747	0.158882	-0.17291	0.862721	0.977055
ENSMUSG0Kdm1a	193.9118	0.023094	0.133497	0.172991	0.862658	0.977055
ENSMUSG0Pwwp2a	355.2114	0.021946	0.127036	0.17275	0.862848	0.977055
ENSMUSG0Cdc34	816.4093	-0.01727	0.100521	-0.17181	0.863583	0.977129
ENSMUSG0Gtpbp2	627.9683	0.018354	0.106609	0.172162	0.86331	0.977129
ENSMUSG0Mtf1	255.0398	0.025441	0.147933	0.171978	0.863455	0.977129
ENSMUSG0Tpp2	558.9325	-0.02119	0.123275	-0.17192	0.863503	0.977129

ENSMUSG0Zfp280d	139.3298	0.030314	0.176759	0.171501	0.86383	0.977218
ENSMUSG0Cct3	428.2019	-0.02157	0.130318	-0.16555	0.868514	0.977446
ENSMUSG0Cdc20	332.1496	0.019073	0.116649	0.163509	0.870118	0.977446
ENSMUSG0Tnfrsf22	103.4915	-0.02864	0.168004	-0.17046	0.864647	0.977446
ENSMUSG0Kctd5	159.5835	0.024274	0.146678	0.165488	0.86856	0.977446
ENSMUSG0Ppp2ca	357.1872	0.01943	0.116159	0.167268	0.867159	0.977446
ENSMUSG0Stat5b	176.1596	0.024565	0.143741	0.170895	0.864306	0.977446
ENSMUSG0Pdhhb	170.4558	0.024158	0.148663	0.162502	0.87091	0.977446
ENSMUSG0Zc3h7b	116.9294	0.025181	0.154698	0.162772	0.870698	0.977446
ENSMUSG0Larp4	577.8639	0.020113	0.119691	0.168042	0.86655	0.977446
ENSMUSG0Stk38	197.0664	-0.02281	0.136587	-0.16699	0.867378	0.977446
ENSMUSG0Nudt3	153.8002	-0.02488	0.150724	-0.16509	0.868871	0.977446
ENSMUSG0Pcx	645.4837	0.017686	0.105754	0.167239	0.867182	0.977446
ENSMUSG0Dock9	352.9565	0.02009	0.123476	0.162701	0.870754	0.977446
ENSMUSG0Eef1b2	278.3755	-0.02227	0.135345	-0.16456	0.869294	0.977446
ENSMUSG0Psmid1	259.7657	-0.02204	0.134658	-0.16366	0.870002	0.977446
ENSMUSG0Tsn	272.8712	0.021776	0.130086	0.167399	0.867056	0.977446
ENSMUSG0Uhmkl	1130.01	0.018126	0.107889	0.168009	0.866577	0.977446
ENSMUSG0Mmadhc	288.6763	0.020882	0.123421	0.169197	0.865642	0.977446
ENSMUSG0Zfp106	407.9569	0.025039	0.151671	0.165088	0.868875	0.977446
ENSMUSG0Scp2	136.9592	0.025952	0.154455	0.168025	0.866563	0.977446
ENSMUSG0Ctps	262.6184	-0.02098	0.123871	-0.16935	0.865524	0.977446
ENSMUSG0Fam76a	156.4212	-0.02367	0.14513	-0.16307	0.870459	0.977446
ENSMUSG0Rab28	122.7028	-0.02583	0.155466	-0.16615	0.868041	0.977446
ENSMUSG0Usp12	211.8332	0.023899	0.146629	0.16299	0.870527	0.977446
ENSMUSG0Lrwd1	112.2097	-0.02628	0.159386	-0.16489	0.869029	0.977446
ENSMUSG0Magt1	804.3532	0.017659	0.103503	0.170614	0.864527	0.977446
ENSMUSG0Tenm3	683.2973	-0.019	0.114197	-0.16635	0.86788	0.977446
ENSMUSG0Fbxw8	180.2887	0.024686	0.148186	0.166585	0.867697	0.977446
ENSMUSG0Nsf	341.6953	-0.02301	0.139337	-0.16514	0.868837	0.977446
ENSMUSG0Ube2r2	166.21	0.023469	0.142208	0.165034	0.868917	0.977446
ENSMUSG0Atg2b	191.092	-0.02294	0.139293	-0.1647	0.869183	0.977446
ENSMUSG0Ankrd50	215.636	0.023224	0.139217	0.166819	0.867513	0.977446
ENSMUSG0Suox	338.2649	0.02053	0.124093	0.165441	0.868597	0.977446
ENSMUSG0Slc25a44	308.1432	-0.02178	0.128741	-0.16915	0.865677	0.977446
ENSMUSG0Cdc42se2	129.1339	-0.02594	0.152345	-0.1703	0.864778	0.977446
ENSMUSG0Zfp266	215.491	-0.02488	0.1513	-0.16441	0.869405	0.977446
ENSMUSG0Stx17	156.7488	-0.02516	0.14955	-0.16822	0.866411	0.977446
ENSMUSG0Snu13	113.6905	0.025836	0.157592	0.163939	0.869779	0.977446
ENSMUSG0lpo7	404.6854	0.019611	0.116414	0.168455	0.866225	0.977446
ENSMUSG0Hnrnpul2	570.963	0.018342	0.11046	0.166053	0.868116	0.977446
ENSMUSG0Rps15a	280.8716	-0.02425	0.149865	-0.16184	0.871431	0.977654
ENSMUSG0Rab10os	263.0561	-0.0229	0.141288	-0.16205	0.87127	0.977654
ENSMUSG0Fzd3	214.3458	-0.02442	0.151504	-0.1612	0.871938	0.977658
ENSMUSG0Sbf1	850.2307	-0.02116	0.131173	-0.16132	0.871843	0.977658
ENSMUSG0Pitpnb	167.6552	-0.02292	0.142065	-0.16131	0.871849	0.977658
ENSMUSG0Rpia	119.3087	0.02525	0.157052	0.160776	0.87227	0.977842
ENSMUSG0Sptlc2	205.7692	-0.0232	0.145999	-0.15888	0.873762	0.977938
ENSMUSG0Psmid13	207.8346	-0.02182	0.137658	-0.15853	0.874037	0.977938
ENSMUSG0Ccz1	141.5445	-0.02444	0.153481	-0.15925	0.873471	0.977938
ENSMUSG0Wbp11	364.6719	0.018636	0.116854	0.159482	0.873289	0.977938
ENSMUSG0Tnfrsf1a	166.1891	0.022334	0.140327	0.159155	0.873547	0.977938

ENSMUSG0Atg9a	394.293	-0.01928	0.120814	-0.15957	0.873223	0.977938
ENSMUSG0Sh3glb1	304.0978	-0.02403	0.1522	-0.15791	0.874526	0.977938
ENSMUSG0Wdr26	414.189	-0.01873	0.118132	-0.15851	0.874053	0.977938
ENSMUSG0Btaf1	242.1427	-0.02196	0.137491	-0.15969	0.873126	0.977938
ENSMUSG0Zfand3	237.397	-0.02116	0.133673	-0.15829	0.874229	0.977938
ENSMUSG0Itpk1	447.3068	0.020358	0.128041	0.158992	0.873675	0.977938
ENSMUSG0Fbxl18	166.7996	0.023679	0.149964	0.157897	0.874538	0.977938
ENSMUSG0Gm29562	159.5408	0.023648	0.147939	0.159848	0.873001	0.977938
ENSMUSG0Usp15	166.3245	0.02277	0.1446	0.15747	0.874874	0.977975
ENSMUSG0Dpy19l1	125.1449	-0.02354	0.149508	-0.15743	0.874906	0.977975
ENSMUSG0Sp1	772.5284	-0.01704	0.109107	-0.1562	0.875876	0.978355
ENSMUSG0Chd3	1093.753	0.016293	0.104494	0.155926	0.876091	0.978355
ENSMUSG0Stxbp5	211.4623	-0.02134	0.136353	-0.15653	0.875617	0.978355
ENSMUSG0Trak2	288.9213	-0.01896	0.121591	-0.15594	0.876079	0.978355
ENSMUSG0Emc3	124.8279	0.023674	0.152033	0.155719	0.876254	0.978355
ENSMUSG0Aqp11	174.3466	0.024055	0.1536	0.156609	0.875553	0.978355
ENSMUSG0Gm37494	201.0553	-0.02691	0.173117	-0.15542	0.87649	0.978431
ENSMUSG0Pde4d	224.1218	-0.02075	0.13445	-0.15432	0.877358	0.979024
ENSMUSG0Mkks	285.7009	-0.0208	0.134599	-0.15451	0.87721	0.979024
ENSMUSG0Gpr158	397.6025	0.020358	0.132277	0.153901	0.877688	0.979205
ENSMUSG0Stk38l	161.9135	0.022457	0.149608	0.150103	0.880683	0.979679
ENSMUSG0Flii	180.1975	-0.02135	0.143397	-0.14887	0.881657	0.979679
ENSMUSG0Tmem115	126.8122	-0.02273	0.15046	-0.15109	0.879907	0.979679
ENSMUSG0Atp6v0a1	709.4151	-0.01708	0.114912	-0.14867	0.881812	0.979679
ENSMUSG0Vps13d	294.2992	-0.02175	0.144216	-0.15083	0.88011	0.979679
ENSMUSG0Ncln	453.1821	0.017507	0.116324	0.150505	0.880366	0.979679
ENSMUSG0Btf3	142.3002	-0.02412	0.161359	-0.14946	0.881188	0.979679
ENSMUSG0Atxn7	197.7179	-0.02101	0.140989	-0.14901	0.881545	0.979679
ENSMUSG0Dopey2	224.9076	0.020325	0.136126	0.149307	0.881311	0.979679
ENSMUSG0Nedd4l	218.9125	0.02107	0.139457	0.151087	0.879907	0.979679
ENSMUSG0Pde6d	139.0893	0.022478	0.151038	0.148827	0.88169	0.979679
ENSMUSG0Stk25	275.8697	-0.02014	0.132735	-0.15173	0.879396	0.979679
ENSMUSG0Ralgapb	462.7066	0.018276	0.12081	0.151277	0.879757	0.979679
ENSMUSG0Smc2	232.7537	-0.02049	0.135128	-0.15164	0.879468	0.979679
ENSMUSG0Gale	675.6036	-0.01715	0.11411	-0.15031	0.880522	0.979679
ENSMUSG0Rasa3	149.9979	-0.02483	0.165409	-0.15013	0.880661	0.979679
ENSMUSG0Fam207a	193.9551	-0.02049	0.133958	-0.15296	0.878428	0.979679
ENSMUSG0Cep350	526.3721	0.018767	0.123569	0.151875	0.879285	0.979679
ENSMUSG0Cc2d1a	142.8588	-0.02288	0.153556	-0.14903	0.881531	0.979679
ENSMUSG0Gemin5	106.6724	-0.02369	0.159049	-0.14898	0.881572	0.979679
ENSMUSG0Rcor1	205.9899	-0.02119	0.139698	-0.15168	0.879436	0.979679
ENSMUSG0Trrap	547.8373	-0.0224	0.1494	-0.14994	0.880809	0.979679
ENSMUSG0Cbfa2t3	392.9093	0.017136	0.116215	0.147452	0.882775	0.979965
ENSMUSG0Sqstm1	836.9793	0.014344	0.097292	0.147431	0.882792	0.979965
ENSMUSG0Fam160b2	126.8742	0.022461	0.152629	0.147161	0.883005	0.979965
ENSMUSG0Slc25a10	329.0809	-0.01759	0.119463	-0.14724	0.882943	0.979965
ENSMUSG0Wbp1	139.6534	0.021997	0.149569	0.147068	0.883078	0.979965
ENSMUSG0Dcx	944.3388	-0.01701	0.114881	-0.14807	0.88229	0.979965
ENSMUSG0Tdg	302.2909	0.01755	0.119861	0.146418	0.883591	0.980161
ENSMUSG0AI837181	583.3227	-0.01741	0.118892	-0.14647	0.883552	0.980161
ENSMUSG0Sdhb	438.4236	-0.0171	0.117116	-0.14603	0.883898	0.980258
ENSMUSG0Pum2	555.3368	-0.01788	0.122661	-0.14576	0.884108	0.980258

ENSMUSG0Sp3	189.9704	0.02344	0.160915	0.145667	0.884184	0.980258
ENSMUSG0Pfkfb2	345.1472	0.01689	0.116622	0.144831	0.884845	0.980439
ENSMUSG0Nvl	162.5932	-0.02552	0.175797	-0.14519	0.884558	0.980439
ENSMUSG0Kidins220	887.151	-0.0159	0.109767	-0.14482	0.884852	0.980439
ENSMUSG0Ubxn4	162.104	-0.02248	0.155672	-0.14441	0.885175	0.98061
ENSMUSG0Tmem134	146.8747	-0.02108	0.147671	-0.14272	0.88651	0.981406
ENSMUSG0Wdfy3	616.7849	-0.01541	0.108068	-0.14259	0.886612	0.981406
ENSMUSG0Tnrc6b	1475.219	-0.01519	0.106755	-0.14231	0.886835	0.981406
ENSMUSG0Kmt5a	402.4343	0.018049	0.12618	0.143044	0.886256	0.981406
ENSMUSG0Sv2b	351.8713	0.016726	0.11725	0.142656	0.886562	0.981406
ENSMUSG0Dda1	142.5987	-0.02064	0.145136	-0.14222	0.886904	0.981406
ENSMUSG0Tmem86a	103.5007	0.022789	0.161542	0.141071	0.887814	0.981667
ENSMUSG0Map2k4	293.0987	-0.01744	0.12343	-0.14127	0.887653	0.981667
ENSMUSG0Faah	139.1708	0.024282	0.171559	0.141539	0.887444	0.981667
ENSMUSG0Sppl2b	286.9058	0.018693	0.132133	0.141471	0.887498	0.981667
ENSMUSG0Metap1	204.9473	0.018655	0.137438	0.135731	0.892034	0.982407
ENSMUSG0Psmid11	134.4944	-0.02178	0.158335	-0.13755	0.890594	0.982407
ENSMUSG0Myo1c	206.9872	-0.02091	0.153379	-0.1363	0.891582	0.982407
ENSMUSG0Sptlc1	226.304	-0.0179	0.132506	-0.1351	0.89253	0.982407
ENSMUSG0F2rl1	160.6004	-0.02208	0.158414	-0.1394	0.889132	0.982407
ENSMUSG0Mapk8ip2	894.489	0.014189	0.102829	0.137987	0.89025	0.982407
ENSMUSG0Pmm2	117.9568	-0.02212	0.160589	-0.13773	0.890458	0.982407
ENSMUSG0Eif4e2	339.3718	0.018225	0.133552	0.136465	0.891454	0.982407
ENSMUSG0Slc20a1	526.3499	-0.01519	0.111351	-0.13637	0.891525	0.982407
ENSMUSG0Aurka	295.9115	0.016281	0.118785	0.137062	0.890982	0.982407
ENSMUSG0Raly	426.2547	0.015466	0.113304	0.136503	0.891423	0.982407
ENSMUSG0Rad23b	296.109	0.016731	0.123047	0.135973	0.891843	0.982407
ENSMUSG0Pmpcb	187.9353	-0.01908	0.13888	-0.13738	0.890732	0.982407
ENSMUSG0Naa10	123.7998	-0.02118	0.155786	-0.13595	0.891861	0.982407
ENSMUSG0Fmnl2	173.4582	0.019928	0.147492	0.135113	0.892522	0.982407
ENSMUSG0Scaf1	205.3334	-0.02267	0.162418	-0.13958	0.888993	0.982407
ENSMUSG0Cdc123	209.1207	-0.02003	0.147772	-0.13555	0.892173	0.982407
ENSMUSG0Large2	722.0564	-0.01599	0.11549	-0.13841	0.889917	0.982407
ENSMUSG0Camsap2	420.19	0.017154	0.124059	0.138273	0.890024	0.982407
ENSMUSG0Ppp1r14b	133.0465	0.021046	0.151238	0.139157	0.889326	0.982407
ENSMUSG0Eno1	1603.407	0.012066	0.089189	0.135291	0.892382	0.982407
ENSMUSG0Trerf1	129.1307	0.020355	0.14817	0.137379	0.890731	0.982407
ENSMUSG0Tm9sf4	216.5953	-0.02035	0.147369	-0.13807	0.890184	0.982407
ENSMUSG0Gm24265	217.0032	-0.02181	0.158173	-0.13787	0.890341	0.982407
ENSMUSG0Cstf1	129.2383	-0.02016	0.149636	-0.13473	0.892823	0.982543
ENSMUSG0Mid2	126.6868	0.018174	0.159388	0.114026	0.909217	0.983014
ENSMUSG0Itga3	273.7742	-0.01333	0.122888	-0.1085	0.913603	0.983014
ENSMUSG0Hbp1	206.7478	-0.01544	0.140673	-0.10979	0.912573	0.983014
ENSMUSG0Dvl3	107.7152	-0.01775	0.153687	-0.11552	0.908032	0.983014
ENSMUSG0Slc25a1	204.5032	-0.01758	0.136244	-0.129	0.89736	0.983014
ENSMUSG0Taf6l	281.9314	0.01808	0.143312	0.12616	0.899605	0.983014
ENSMUSG0Utp20	158.7035	0.015182	0.141525	0.107272	0.914573	0.983014
ENSMUSG0Nf2	262.757	0.017291	0.141981	0.121786	0.903069	0.983014
ENSMUSG0Ewsr1	295.4274	0.016215	0.125748	0.128951	0.897397	0.983014
ENSMUSG0Nav1	510.0083	0.013544	0.127942	0.105862	0.915692	0.983014
ENSMUSG0Hyal2	166.6885	-0.01566	0.14323	-0.10934	0.912929	0.983014
ENSMUSG0Sptbn4	383.8194	0.014222	0.124912	0.11386	0.909349	0.983014

ENSMUSG0Ptprs	381.0295	-0.01208	0.11365	-0.1063	0.915348	0.983014
ENSMUSG0Ankrd28	284.9563	-0.01699	0.129871	-0.13082	0.895919	0.983014
ENSMUSG0Rhot1	193.5429	-0.01548	0.142814	-0.1084	0.913677	0.983014
ENSMUSG0Cyb5r3	2545.296	0.013555	0.104406	0.129829	0.896702	0.983014
ENSMUSG0Med13l	192.932	-0.01725	0.145976	-0.11815	0.905945	0.983014
ENSMUSG0Rnf145	171.1074	0.018335	0.145038	0.126412	0.899406	0.983014
ENSMUSG0Stk10	137.4299	-0.01654	0.147972	-0.11175	0.911018	0.983014
ENSMUSG0Ogdh	564.6622	-0.01241	0.11719	-0.10589	0.915669	0.983014
ENSMUSG0Lpin1	203.1018	0.016272	0.133932	0.121497	0.903298	0.983014
ENSMUSG0Adi1	266.5871	0.013273	0.124195	0.106874	0.914889	0.983014
ENSMUSG0Mboat2	168.7237	0.017259	0.151343	0.114041	0.909205	0.983014
ENSMUSG0Erbin	207.6244	-0.01646	0.144179	-0.11419	0.909089	0.983014
ENSMUSG0Dlg5	254.0451	0.017185	0.133769	0.128466	0.89778	0.983014
ENSMUSG0Gm49342	333.6785	-0.01279	0.120545	-0.1061	0.9155	0.983014
ENSMUSG0Mtmr6	290.3349	-0.0147	0.136603	-0.10758	0.914326	0.983014
ENSMUSG0Nefl	3131.24	-0.00981	0.089326	-0.10982	0.912553	0.983014
ENSMUSG0Lrp10	228.0005	0.015529	0.131265	0.118302	0.905828	0.983014
ENSMUSG0Naga	155.4835	0.018662	0.144989	0.128714	0.897584	0.983014
ENSMUSG0Crebbp	704.3924	0.01298	0.1079	0.120299	0.904246	0.983014
ENSMUSG0Mroh1	302.3225	-0.01696	0.127171	-0.13337	0.8939	0.983014
ENSMUSG0Cblb	195.6933	0.017302	0.144773	0.119509	0.904872	0.983014
ENSMUSG0Ndufap7	303.3018	0.013621	0.12187	0.111765	0.911009	0.983014
ENSMUSG0Tedc2	116.6805	0.019377	0.155735	0.124421	0.900982	0.983014
ENSMUSG0Pdpr1	953.4474	-0.0118	0.10066	-0.11718	0.906716	0.983014
ENSMUSG0Epc1	163.3368	0.018434	0.148178	0.124405	0.900994	0.983014
ENSMUSG0Smad2	107.6997	-0.02004	0.157606	-0.12716	0.898811	0.983014
ENSMUSG0Zfand5	253.9449	0.018268	0.148203	0.12326	0.901901	0.983014
ENSMUSG0Arhgap19	206.7397	0.016197	0.132322	0.122404	0.902579	0.983014
ENSMUSG0Kdm5c	351.2099	0.01368	0.122755	0.111443	0.911265	0.983014
ENSMUSG0Tepsin	117.617	-0.01916	0.159867	-0.11986	0.904591	0.983014
ENSMUSG0Inpp5a	118.7695	0.019037	0.16071	0.118458	0.905705	0.983014
ENSMUSG0Stag2	186.9793	0.017171	0.147911	0.116088	0.907583	0.983014
ENSMUSG0Als2	247.3818	-0.01521	0.130156	-0.11684	0.90699	0.983014
ENSMUSG0Dst	2375.414	0.010462	0.094823	0.110334	0.912144	0.983014
ENSMUSG0Fh1	237.5041	-0.01863	0.149102	-0.12496	0.900558	0.983014
ENSMUSG0Atp1b1	1696.742	0.011506	0.099978	0.115088	0.908376	0.983014
ENSMUSG0Uap1l1	127.3006	0.022986	0.176033	0.130581	0.896107	0.983014
ENSMUSG0Baz2b	381.0303	0.017789	0.134916	0.131848	0.895104	0.983014
ENSMUSG0Cdan1	115.0466	-0.01925	0.155604	-0.12374	0.901518	0.983014
ENSMUSG0Snx5	364.3103	0.014565	0.116565	0.124954	0.90056	0.983014
ENSMUSG0Zmat3	343.2131	-0.0146	0.126485	-0.11541	0.90812	0.983014
ENSMUSG0Rap1gds1	220.2738	0.017032	0.130093	0.130924	0.895835	0.983014
ENSMUSG0Nol6	170.8411	0.01805	0.141672	0.127409	0.898617	0.983014
ENSMUSG0Eps15	225.7252	-0.01538	0.144547	-0.10639	0.915276	0.983014
ENSMUSG0Cc2d1b	158.8855	-0.01873	0.151344	-0.12377	0.901496	0.983014
ENSMUSG0Sfpq	436.2982	0.014687	0.121235	0.121141	0.903579	0.983014
ENSMUSG0Maco1	205.2404	-0.01708	0.130826	-0.13057	0.896116	0.983014
ENSMUSG0Ncdn	624.2056	-0.01342	0.108056	-0.12417	0.901184	0.983014
ENSMUSG0Nudc	187.7979	-0.01525	0.135531	-0.11254	0.910393	0.983014
ENSMUSG0Ppp1r8	125.305	0.017231	0.149091	0.115575	0.907989	0.983014
ENSMUSG0Epb41	278.1232	-0.01645	0.139062	-0.11831	0.905819	0.983014
ENSMUSG0Nadk	199.8537	0.019004	0.142768	0.13311	0.894106	0.983014

ENSMUSG0Pcdh7	239.4385	0.014491	0.133338	0.108681	0.913456	0.983014
ENSMUSG0Bcl7b	127.2752	0.018875	0.150325	0.125563	0.900078	0.983014
ENSMUSG0Copg1	784.7992	0.012738	0.099057	0.128594	0.897679	0.983014
ENSMUSG0Cops7a	144.0985	-0.01563	0.145579	-0.10733	0.914523	0.983014
ENSMUSG0Adipor2	303.4502	-0.01548	0.128213	-0.12073	0.903902	0.983014
ENSMUSG0Ldhb	405.6859	-0.01508	0.125429	-0.12019	0.904329	0.983014
ENSMUSG0Spns1	174.1415	0.015209	0.142503	0.106728	0.915005	0.983014
ENSMUSG0Scnn1b	105.7613	-0.01827	0.160828	-0.11357	0.909579	0.983014
ENSMUSG0Cox4i1	424.3175	-0.01459	0.124625	-0.11703	0.906834	0.983014
ENSMUSG02310022B0	383.1461	0.013543	0.118629	0.114165	0.909107	0.983014
ENSMUSG0Ilf3	217.1	0.015184	0.141509	0.107298	0.914553	0.983014
ENSMUSG01700017B0	189.515	0.016774	0.148459	0.112984	0.910043	0.983014
ENSMUSG0Csk	146.2777	-0.01675	0.157122	-0.10662	0.915092	0.983014
ENSMUSG0Lrrc1	142.3724	0.017857	0.15191	0.11755	0.906424	0.983014
ENSMUSG0Rpsa	414.1673	-0.01453	0.118991	-0.12213	0.902797	0.983014
ENSMUSG0Uba5	133.148	-0.01897	0.150456	-0.12607	0.899678	0.983014
ENSMUSG0Atp2c1	415.2855	-0.01521	0.115958	-0.13119	0.895628	0.983014
ENSMUSG0Eml4	151.8699	-0.01899	0.145434	-0.13059	0.896103	0.983014
ENSMUSG0Tpcn1	640.0685	-0.01216	0.113592	-0.10702	0.914776	0.983014
ENSMUSG0Arap1	192.8749	0.017224	0.153967	0.111866	0.910929	0.983014
ENSMUSG0Specc1l	302.4076	-0.01505	0.127724	-0.1178	0.906229	0.983014
ENSMUSG0Cpsf1	188.1754	-0.01436	0.135439	-0.10602	0.91557	0.983014
ENSMUSG0Rab24	104.675	-0.01704	0.159764	-0.10666	0.915062	0.983014
ENSMUSG0Synrg	349.2012	0.01776	0.134601	0.131943	0.895029	0.983014
ENSMUSG0Smug1	120.0192	-0.01622	0.152742	-0.10621	0.915418	0.983014
ENSMUSG0Sif2	488.8791	-0.01437	0.130618	-0.11003	0.912388	0.983014
ENSMUSG0Smpd1	158.0645	0.018645	0.143331	0.130082	0.896501	0.983014
ENSMUSG0Lzts3	122.7467	-0.01711	0.157845	-0.10842	0.913664	0.983014
ENSMUSG0Pde4dip	657.247	0.012708	0.110797	0.114693	0.908688	0.983014
ENSMUSG0Slc22a23	795.532	0.011793	0.103943	0.113459	0.909667	0.983014
ENSMUSG0Tbcd	132.6696	-0.01808	0.154558	-0.11696	0.906893	0.983014
ENSMUSG0Ptpa	435.6322	-0.0134	0.122449	-0.10943	0.912865	0.983014
ENSMUSG0Ginm1	161.7464	0.018411	0.143273	0.1285	0.897753	0.983014
ENSMUSG0Gnaz	749.2873	0.011947	0.100704	0.11863	0.905569	0.983014
ENSMUSG0Mybbp1a	175.0856	0.018722	0.142484	0.131394	0.895464	0.983014
ENSMUSG0Mar-09	165.1011	0.015847	0.144767	0.109468	0.912831	0.983014
ENSMUSG0Tmem51	261.6762	-0.0149	0.123475	-0.12067	0.903956	0.983014
ENSMUSG0Plekha6	445.5908	0.015665	0.126906	0.123434	0.901764	0.983014
ENSMUSG0Naa25	314.0275	0.016985	0.139075	0.122131	0.902795	0.983014
ENSMUSG0Gpx2	132.044	0.019815	0.168641	0.117498	0.906466	0.983014
ENSMUSG0Pofut1	163.53	-0.01694	0.144918	-0.11691	0.906934	0.983014
ENSMUSG0Chrm3	219.6029	-0.01799	0.139362	-0.12908	0.897295	0.983014
ENSMUSG0Rpl37a	178.1928	0.018893	0.141095	0.133906	0.893477	0.983014
ENSMUSG0Bdh1	191.1109	0.015648	0.147261	0.106263	0.915374	0.983014
ENSMUSG0Rpl9	549.5382	-0.01755	0.141547	-0.12399	0.901326	0.983014
ENSMUSG0Tob2	417.8777	-0.01465	0.113834	-0.12871	0.897587	0.983014
ENSMUSG0Armcx3	197.4732	0.016432	0.143955	0.11415	0.909119	0.983014
ENSMUSG0Nlgn2	192.2531	0.017607	0.135398	0.130038	0.896536	0.983014
ENSMUSG0Chmp3	113.0446	-0.01696	0.159582	-0.10628	0.915359	0.983014
ENSMUSG0Arfgap3	162.0673	0.020203	0.156871	0.128785	0.897527	0.983014
ENSMUSG0Mrfap1	1592.912	0.012573	0.099803	0.125973	0.899753	0.983014
ENSMUSG0Socs6	155.9393	-0.01659	0.154265	-0.10757	0.914341	0.983014

ENSMUSG0Tsnax	217.6172	-0.01602	0.129442	-0.12374	0.90152	0.983014
ENSMUSG0Cep162	107.0831	0.022206	0.166368	0.133477	0.893816	0.983014
ENSMUSG0Sdhc	336.9856	-0.01414	0.120129	-0.11768	0.906322	0.983014
ENSMUSG0Memo1	131.025	0.019454	0.165145	0.117802	0.906225	0.983014
ENSMUSG0EglN2	159.4468	-0.01919	0.151274	-0.12685	0.899057	0.983014
ENSMUSG0Ube4a	328.2127	-0.01527	0.124099	-0.12307	0.902054	0.983014
ENSMUSG0Kalrn	239.0476	-0.01698	0.134924	-0.12582	0.899878	0.983014
ENSMUSG0Ppp4r1	239.6096	-0.01529	0.144314	-0.10596	0.915614	0.983014
ENSMUSG0Hist2h2aa2	130.5639	0.017291	0.157512	0.109778	0.912585	0.983014
ENSMUSG0Mfap1a	104.4437	-0.02045	0.160142	-0.12773	0.898364	0.983014
ENSMUSG0Tgfbrap1	239.1008	-0.01691	0.135715	-0.12463	0.900815	0.983014
ENSMUSG0Eef1g	5863.382	-0.01228	0.104141	-0.11794	0.906118	0.983014
ENSMUSG0Mcc	125.5033	-0.02205	0.174878	-0.12609	0.899661	0.983014
ENSMUSG0Fndc10	166.983	-0.01637	0.142201	-0.11508	0.908378	0.983014
ENSMUSG0Ass1	170.1861	0.018573	0.141558	0.131206	0.895612	0.983014
ENSMUSG0Gm10359	154.6679	0.021655	0.174978	0.123761	0.901504	0.983014
ENSMUSG0Gm12671	154.6679	0.021655	0.174978	0.123761	0.901504	0.983014
ENSMUSG0Rnf227	130.8225	-0.01584	0.150422	-0.10532	0.916124	0.983297
ENSMUSG0Nhp2	119.3916	-0.01614	0.153597	-0.10506	0.916324	0.983331
ENSMUSG0Tbc1d8	112.0281	-0.01768	0.173024	-0.10217	0.918619	0.983454
ENSMUSG0Farsa	151.8442	-0.01424	0.140644	-0.10124	0.919364	0.983454
ENSMUSG0Elavl2	109.1326	0.016849	0.161117	0.104577	0.916711	0.983454
ENSMUSG0Mfap3	259.6607	-0.01424	0.138632	-0.1027	0.918197	0.983454
ENSMUSG0Ptpn21	598.653	0.012747	0.124337	0.102518	0.918346	0.983454
ENSMUSG0Pacs2	176.0722	-0.01491	0.143901	-0.10363	0.917463	0.983454
ENSMUSG0Pabpn1	181.3456	-0.01426	0.141076	-0.10109	0.919477	0.983454
ENSMUSG0Farsb	141.2693	0.015156	0.147751	0.102578	0.918298	0.983454
ENSMUSG0Spint1	122.9281	-0.0154	0.152295	-0.10113	0.91945	0.983454
ENSMUSG0Ret	1006.89	0.010186	0.100745	0.10111	0.919463	0.983454
ENSMUSG0Fkbp4	447.3022	0.013303	0.129168	0.102992	0.91797	0.983454
ENSMUSG0Coq9	115.4415	-0.01686	0.1635	-0.10311	0.917879	0.983454
ENSMUSG0Senp6	173.3506	0.014319	0.138096	0.10369	0.917416	0.983454
ENSMUSG0Trpc4ap	578.5534	0.011327	0.112024	0.101114	0.91946	0.983454
ENSMUSG0Dido1	232.1395	0.013874	0.134492	0.103157	0.917839	0.983454
ENSMUSG0Tuba1a	2448.376	-0.01091	0.105713	-0.10321	0.917796	0.983454
ENSMUSG01700020114	1393.75	-0.0131	0.127096	-0.1031	0.917886	0.983454
ENSMUSG0Gm25099	159.6263	-0.01432	0.140697	-0.10174	0.918959	0.983454
ENSMUSG0Sar1a	311.6284	0.013496	0.134146	0.100607	0.919863	0.983505
ENSMUSG0Tctn2	115.8039	0.016017	0.15912	0.100662	0.919819	0.983505
ENSMUSG0Dlat	142.1662	-0.01527	0.156089	-0.09781	0.922087	0.983537
ENSMUSG0Rpl19	330.6768	0.012646	0.128293	0.098572	0.921478	0.983537
ENSMUSG0Ktn1	150.7626	-0.01446	0.147501	-0.09801	0.921924	0.983537
ENSMUSG0Dnajc18	118.4447	-0.0152	0.153443	-0.09906	0.921091	0.983537
ENSMUSG0Scly	183.2244	-0.01486	0.149035	-0.09971	0.920577	0.983537
ENSMUSG0Kif3b	215.7993	-0.01348	0.135464	-0.09949	0.920752	0.983537
ENSMUSG0Arfip2	152.0194	-0.01471	0.150356	-0.09785	0.922053	0.983537
ENSMUSG0Me1	244.8289	0.013904	0.140951	0.098641	0.921423	0.983537
ENSMUSG0Dnajc13	520.9641	0.011348	0.115433	0.098308	0.921688	0.983537
ENSMUSG0Dennd6a	199.8858	0.013312	0.135281	0.098402	0.921613	0.983537
ENSMUSG0Asxl1	302.2057	-0.01363	0.137424	-0.09921	0.920969	0.983537
ENSMUSG0Atad2b	104.6939	-0.01641	0.166483	-0.09858	0.92147	0.983537
ENSMUSG0Bnip3	127.1498	-0.01571	0.160404	-0.09793	0.921991	0.983537

ENSMUSG0 Ndc1	170.0862	-0.01447	0.149907	-0.09653	0.923103	0.983662
ENSMUSG0 Fanca	132.7444	-0.01579	0.16285	-0.09699	0.922738	0.983662
ENSMUSG0 Ctnna1	169.9097	-0.01417	0.145541	-0.09734	0.922456	0.983662
ENSMUSG0 Khnyn	156.505	0.014031	0.145662	0.096326	0.923262	0.983662
ENSMUSG02900026A0	499.2775	0.010719	0.111463	0.096169	0.923386	0.983662
ENSMUSG0 Nup188	343.1503	-0.01241	0.129026	-0.09621	0.923354	0.983662
ENSMUSG0 Zfp746	134.7622	0.014518	0.150194	0.096661	0.922996	0.983662
ENSMUSG0 Vps39	197.0329	-0.01647	0.173578	-0.09487	0.92442	0.98448
ENSMUSG0 BC055324	153.6073	-0.01476	0.15609	-0.09456	0.924661	0.98448
ENSMUSG0 Dip2c	173.5969	-0.01364	0.144126	-0.09465	0.924591	0.98448
ENSMUSG0 Vcp	837.1082	-0.00923	0.098179	-0.094	0.925109	0.984646
ENSMUSG0 Snap91	245.7361	-0.01266	0.134758	-0.09394	0.925155	0.984646
ENSMUSG0 Srrm2	1010.306	0.008395	0.089743	0.093545	0.925471	0.984802
ENSMUSG0 Camk2d	282.2805	0.013043	0.140432	0.09288	0.925999	0.985184
ENSMUSG0 Ppp1cc	834.4475	0.009551	0.106741	0.089476	0.928704	0.985369
ENSMUSG0 Arpc2	225.483	-0.01283	0.139017	-0.09231	0.926454	0.985369
ENSMUSG0 Elof1	103.177	-0.01474	0.164173	-0.08978	0.928465	0.985369
ENSMUSG0 Crhr1	138.8766	0.013842	0.155153	0.089216	0.92891	0.985369
ENSMUSG0 Efr3b	175.7417	0.012365	0.139506	0.088637	0.92937	0.985369
ENSMUSG0 Zdhhc20	139.8907	-0.01324	0.145507	-0.091	0.927493	0.985369
ENSMUSG0 Cdc5l	153.0121	0.012941	0.144628	0.089474	0.928705	0.985369
ENSMUSG0 Cd63	153.8115	0.012695	0.143597	0.088405	0.929555	0.985369
ENSMUSG0 Park7	488.9653	0.01003	0.112986	0.08877	0.929265	0.985369
ENSMUSG0 Anapc7	120.0931	0.013724	0.153893	0.089178	0.92894	0.985369
ENSMUSG0 Tle3	293.9797	-0.01326	0.147186	-0.0901	0.928208	0.985369
ENSMUSG0 Ogford1	117.7946	0.014365	0.160429	0.089541	0.928652	0.985369
ENSMUSG0 Tedc1	144.8289	-0.01313	0.147887	-0.08878	0.929256	0.985369
ENSMUSG0 Map7d2	113.5017	-0.01499	0.169318	-0.08852	0.92946	0.985369
ENSMUSG0 Slc29a4	204.882	0.014362	0.159267	0.090177	0.928147	0.985369
ENSMUSG0 Dennd1b	266.4986	0.01393	0.153589	0.090695	0.927735	0.985369
ENSMUSG0 Gsk3a	134.15	-0.01376	0.149571	-0.092	0.926699	0.985369
ENSMUSG0 Ttr	4728.26	0.008808	0.098883	0.089077	0.929021	0.985369
ENSMUSG0 Srp54a	110.8274	-0.01499	0.167359	-0.08956	0.928635	0.985369
ENSMUSG0 Kcnj11	322.5539	-0.01221	0.133197	-0.09163	0.926989	0.985369
ENSMUSG0 Prpf6	111.5139	-0.01264	0.157734	-0.08011	0.936147	0.986082
ENSMUSG0 Rab8a	206.1601	0.012496	0.181769	0.068746	0.945192	0.986082
ENSMUSG0 Bicd1	401.2472	0.01139	0.132229	0.086141	0.931355	0.986082
ENSMUSG0 Brd8	151.0218	0.011547	0.141506	0.081602	0.934963	0.986082
ENSMUSG0 Mprp	532.4063	0.006922	0.102134	0.06777	0.945969	0.986082
ENSMUSG0 Yes1	183.7246	-0.01	0.146096	-0.06843	0.945447	0.986082
ENSMUSG0 E2f3	262.1245	0.010926	0.131292	0.083218	0.933678	0.986082
ENSMUSG0 Atxn10	390.501	0.009229	0.124514	0.074123	0.940912	0.986082
ENSMUSG0 Brca1	146.9627	-0.01034	0.144955	-0.0713	0.943157	0.986082
ENSMUSG0 Gid4	243.7472	0.009414	0.138713	0.067865	0.945893	0.986082
ENSMUSG0 G3bp1	906.7827	0.007671	0.099787	0.076876	0.938722	0.986082
ENSMUSG0 Mpdu1	279.6368	-0.01076	0.128958	-0.08346	0.933488	0.986082
ENSMUSG0 Ddx50	250.7497	-0.01074	0.138906	-0.07731	0.938375	0.986082
ENSMUSG0 Ctc1	184.5163	-0.01306	0.156545	-0.08343	0.933512	0.986082
ENSMUSG0 Tmem101	396.5302	0.009575	0.117822	0.081269	0.935228	0.986082
ENSMUSG0 Ubtf	223.278	-0.0108	0.131839	-0.0819	0.934723	0.986082
ENSMUSG0 Pnn	127.3803	-0.01112	0.148923	-0.0747	0.940455	0.986082
ENSMUSG0 Ahsa1	250.9363	-0.01239	0.143048	-0.08659	0.931001	0.986082

ENSMUSG0Hsp90aa1	964.188	0.007387	0.101553	0.072744	0.94201	0.986082
ENSMUSG0Ptdss1	349.1843	-0.00929	0.121719	-0.07634	0.939146	0.986082
ENSMUSG0Hnrnpk	880.8676	0.008478	0.107891	0.078581	0.937366	0.986082
ENSMUSG0Gfm2	115.2382	-0.01342	0.154628	-0.08681	0.930822	0.986082
ENSMUSG0Sucla2	112.7569	-0.01243	0.156236	-0.07957	0.936579	0.986082
ENSMUSG0Acin1	293.6977	-0.00961	0.128442	-0.07481	0.940368	0.986082
ENSMUSG0Slc30a8	1124.942	-0.00922	0.125476	-0.07345	0.94145	0.986082
ENSMUSG0Fam49b	111.9891	0.011596	0.16472	0.070396	0.943878	0.986082
ENSMUSG0Sh3bp1	103.7255	-0.01384	0.159969	-0.08649	0.93108	0.986082
ENSMUSG0Glyr1	379.9202	0.009632	0.121389	0.079346	0.936757	0.986082
ENSMUSG0Cpox	243.0998	-0.00928	0.127603	-0.07276	0.941994	0.986082
ENSMUSG0Dlg1	133.8925	-0.01397	0.175013	-0.07984	0.936367	0.986082
ENSMUSG0Itsn1	161.3487	-0.01216	0.162367	-0.07491	0.940285	0.986082
ENSMUSG0Acat2	468.6249	-0.0077	0.111731	-0.0689	0.945071	0.986082
ENSMUSG0Vegfa	641.8833	0.00908	0.127971	0.070953	0.943435	0.986082
ENSMUSG0Diaph1	234.926	-0.01114	0.137897	-0.08082	0.935586	0.986082
ENSMUSG0Chka	303.0884	0.008891	0.129897	0.068447	0.94543	0.986082
ENSMUSG0Smc3	441.6017	0.009955	0.12731	0.078192	0.937675	0.986082
ENSMUSG0Polr3a	109.1344	0.012575	0.15911	0.079032	0.937007	0.986082
ENSMUSG0Hgs	130.9176	-0.01112	0.158744	-0.07007	0.944141	0.986082
ENSMUSG0Scyl3	123.1067	-0.01109	0.153151	-0.0724	0.942282	0.986082
ENSMUSG0Nkx2-2	453.8668	0.007801	0.108109	0.072159	0.942476	0.986082
ENSMUSG0Tpd52	716.4831	0.009038	0.108765	0.083092	0.933778	0.986082
ENSMUSG0Pde4b	752.8056	-0.00969	0.128506	-0.07543	0.939873	0.986082
ENSMUSG0Akr1a1	473.8014	0.007782	0.113351	0.068657	0.945263	0.986082
ENSMUSG0Per3	114.8209	-0.01132	0.156944	-0.07213	0.942502	0.986082
ENSMUSG0Sel1l3	1490.214	-0.00786	0.110124	-0.07136	0.943115	0.986082
ENSMUSG0Rchy1	144.796	-0.01044	0.147872	-0.07061	0.943707	0.986082
ENSMUSG0Rimbp2	817.6487	0.007426	0.098095	0.075705	0.939654	0.986082
ENSMUSG0Polr1d	327.0477	0.009379	0.12518	0.074923	0.940276	0.986082
ENSMUSG0Slc6a6	1328.822	-0.00848	0.113187	-0.0749	0.940293	0.986082
ENSMUSG0Ptms	509.5486	-0.00853	0.12245	-0.06969	0.944442	0.986082
ENSMUSG0Lrp6	343.7708	-0.01055	0.128383	-0.08219	0.934499	0.986082
ENSMUSG0Ddx47	117.3177	0.011251	0.159387	0.07059	0.943724	0.986082
ENSMUSG0Cmas	317.3283	-0.00925	0.127784	-0.07241	0.942272	0.986082
ENSMUSG0Syt3	138.8739	-0.01272	0.14655	-0.08679	0.930841	0.986082
ENSMUSG0Eif3c	286.8477	0.009373	0.135618	0.069111	0.944902	0.986082
ENSMUSG0Stim1	207.3444	0.010354	0.139732	0.074102	0.940929	0.986082
ENSMUSG0N4bp1	483.5209	-0.0085	0.11003	-0.07724	0.938436	0.986082
ENSMUSG0Jam3	116.6064	0.012314	0.158037	0.077921	0.937891	0.986082
ENSMUSG0Pin1	179.7555	-0.0122	0.143614	-0.08495	0.932303	0.986082
ENSMUSG0Cnppd1	476.2252	0.010011	0.120441	0.083121	0.933755	0.986082
ENSMUSG0Usp37	274.639	-0.00887	0.123157	-0.07202	0.942586	0.986082
ENSMUSG0Dcaf10	120.8814	0.012002	0.152956	0.078469	0.937455	0.986082
ENSMUSG0Mboat7	199.2076	0.009925	0.140441	0.070673	0.943658	0.986082
ENSMUSG0Ibtk	521.4947	-0.00947	0.112492	-0.08414	0.932944	0.986082
ENSMUSG0Metap2	186.7754	0.009314	0.137235	0.067867	0.945891	0.986082
ENSMUSG0Ermard	119.8283	-0.01268	0.156023	-0.08129	0.935213	0.986082
ENSMUSG0Ttc7	121.6491	0.012843	0.152126	0.084424	0.932719	0.986082
ENSMUSG0Dusp10	624.8501	-0.00821	0.120473	-0.06815	0.945665	0.986082
ENSMUSG0Rere	603.05	-0.00972	0.125631	-0.07734	0.938353	0.986082
ENSMUSG0Rpl21	380.8678	-0.01048	0.143796	-0.07286	0.941919	0.986082

ENSMUSG0 Lgalsl	106.2189	0.013307	0.163202	0.081536	0.935016	0.986082
ENSMUSG0 Dmtf1	123.7441	0.010828	0.158252	0.068424	0.945448	0.986082
ENSMUSG0 Edem3	266.0945	-0.01154	0.137271	-0.08405	0.933014	0.986082
ENSMUSG0 Prss53	1546.638	-0.00603	0.083999	-0.07173	0.942816	0.986082
ENSMUSG0 Emc6	116.8135	-0.01145	0.156872	-0.07299	0.941813	0.986082
ENSMUSG0 B4gat1	243.7756	-0.0094	0.13315	-0.0706	0.94372	0.986082
ENSMUSG0 Gphn	227.5172	0.011948	0.15214	0.078533	0.937404	0.986082
ENSMUSG0 Scn3b	125.001	0.011659	0.159783	0.072969	0.941831	0.986082
ENSMUSG0 Irf2bp2	629.5572	0.008029	0.099668	0.080554	0.935797	0.986082
ENSMUSG0 Atrnl1	165.1157	0.011563	0.147345	0.078474	0.937451	0.986082
ENSMUSG0 Pprc1	449.5819	-0.0089	0.118002	-0.07538	0.939911	0.986082
ENSMUSG0 Cebpg	127.5878	-0.01257	0.151933	-0.08273	0.934064	0.986082
ENSMUSG0 Cspp1	138.3372	0.01169	0.171135	0.068311	0.945538	0.986082
ENSMUSG0 Rpl23a	893.8334	-0.01031	0.123599	-0.08343	0.933506	0.986082
ENSMUSG0 Ccser2	226.992	-0.01251	0.143524	-0.08717	0.930535	0.986082
ENSMUSG0 Armt1	114.5917	-0.01436	0.171217	-0.0839	0.933138	0.986082
ENSMUSG0 Alg11	247.6279	0.010111	0.139027	0.072726	0.942024	0.986082
ENSMUSG0 Uqcrh	236.9537	0.009527	0.131329	0.072546	0.942168	0.986082
ENSMUSG0 Tcp1	1020.382	0.007781	0.11148	0.069799	0.944354	0.986082
ENSMUSG0 Zfp865	224.1852	-0.00937	0.131978	-0.071	0.9434	0.986082
ENSMUSG0 Cdk5r2	193.753	-0.00967	0.135214	-0.07153	0.942977	0.986082
ENSMUSG0 Ube2d2a	198.3356	0.010136	0.138756	0.073047	0.941769	0.986082
ENSMUSG0 Gm24407	130.8089	-0.01183	0.165401	-0.07155	0.942963	0.986082
ENSMUSG0 Cybc1	185.5535	-0.00954	0.141299	-0.06751	0.946178	0.986124
ENSMUSG0 Tut1	133.7456	0.009991	0.149406	0.066875	0.946682	0.986472
ENSMUSG0 Clptm1	279.6993	0.008416	0.127538	0.065985	0.94739	0.986681
ENSMUSG0 Bmp1	356.4582	0.008065	0.121506	0.066374	0.94708	0.986681
ENSMUSG0 Zfp142	158.3687	-0.00959	0.144944	-0.06617	0.947245	0.986681
ENSMUSG0 Zmiz1	559.8756	0.007059	0.108299	0.065176	0.948034	0.986752
ENSMUSG0 Hspd1	231.668	0.009001	0.137796	0.065318	0.947921	0.986752
ENSMUSG0 Actr3	202.533	0.009284	0.142724	0.065051	0.948134	0.986752
ENSMUSG0 Pcca	125.4103	-0.01001	0.154452	-0.06484	0.948304	0.986752
ENSMUSG0 CT010467.1	1737830	-0.00696	0.107184	-0.06496	0.948203	0.986752
ENSMUSG0 Map4k2	132.0367	0.009636	0.149115	0.064621	0.948476	0.986754
ENSMUSG0 Psmd5	106.443	0.010147	0.1589	0.063858	0.949083	0.987209
ENSMUSG0 Csnk1a1	414.0061	0.00772	0.122365	0.063089	0.949696	0.98767
ENSMUSG0 Slc25a12	187.7707	-0.00899	0.1432	-0.0628	0.949923	0.987716
ENSMUSG0 Pak4	154.2293	0.009148	0.146113	0.062608	0.950079	0.987716
ENSMUSG0 Pcsk1	3600.474	-0.00621	0.100506	-0.06181	0.950716	0.987753
ENSMUSG0 Cd151	109.1428	-0.00977	0.158281	-0.06171	0.950792	0.987753
ENSMUSG0 Gmps	125.4493	0.009472	0.152519	0.062105	0.95048	0.987753
ENSMUSG0 Insm1	736.5163	-0.00639	0.10343	-0.06174	0.95077	0.987753
ENSMUSG0 Syne2	432.5893	-0.00826	0.134435	-0.06144	0.95101	0.987803
ENSMUSG0 Kdm6b	557.3788	-0.00747	0.123362	-0.06054	0.951723	0.987977
ENSMUSG0 Mydgf	370.8635	0.007242	0.118904	0.060905	0.951435	0.987977
ENSMUSG0 Pacs1	154.396	-0.00889	0.147321	-0.06038	0.951857	0.987977
ENSMUSG0 Slc9a8	300.5624	0.007541	0.124626	0.060511	0.951749	0.987977
ENSMUSG0 Ptk2	110.6169	0.009115	0.152187	0.059896	0.952238	0.988021
ENSMUSG0 Sdf2l1	214.6223	-0.00801	0.13369	-0.05991	0.952227	0.988021
ENSMUSG0 Bcl2l11	496.95	0.007115	0.119456	0.059562	0.952504	0.988121
ENSMUSG0 Aco1	180.0929	-0.00804	0.136825	-0.05878	0.953131	0.988314
ENSMUSG0 Anxa4	241.3671	0.007695	0.131585	0.058478	0.953368	0.988314

ENSMUSG0Zfp704	377.7433	-0.00745	0.127297	-0.05851	0.953339	0.988314
ENSMUSG0Akr1c19	105.59	0.009474	0.161332	0.058727	0.95317	0.988314
ENSMUSG0Aldh1l2	151.4037	-0.0087	0.152875	-0.05689	0.954634	0.988364
ENSMUSG0Pofut2	262.4801	-0.00706	0.125938	-0.05607	0.955283	0.988364
ENSMUSG0Slmap	531.6184	-0.00631	0.10913	-0.0578	0.953904	0.988364
ENSMUSG0Smarcd1	493.6166	0.006429	0.113796	0.056498	0.954945	0.988364
ENSMUSG0Igf2r	1085.061	-0.00638	0.111931	-0.05697	0.954569	0.988364
ENSMUSG0Cdc37l1	237.3424	0.007891	0.140686	0.056091	0.955269	0.988364
ENSMUSG0Smarca2	226.2621	-0.00748	0.133082	-0.05623	0.955162	0.988364
ENSMUSG0Slc2a8	168.8826	0.008282	0.145571	0.056895	0.954629	0.988364
ENSMUSG0Rpl22	153.0557	-0.00892	0.156132	-0.05714	0.954434	0.988364
ENSMUSG0Agbl5	127.331	0.008991	0.15744	0.057106	0.954461	0.988364
ENSMUSG0Trir	173.0727	0.008444	0.146505	0.057638	0.954037	0.988364
ENSMUSG0Ankrd46	201.1093	-0.0075	0.134721	-0.05567	0.955604	0.988521
ENSMUSG0Nmt2	348.4058	0.006746	0.122164	0.055221	0.955963	0.988541
ENSMUSG0Pdpr	107.4497	-0.00884	0.159861	-0.0553	0.955896	0.988541
ENSMUSG0Zbtb14	121.1032	0.008504	0.15488	0.054909	0.956211	0.988622
ENSMUSG0Tubb2a	308.8369	0.006931	0.126843	0.054639	0.956426	0.988669
ENSMUSG0Cdc37	216.6844	-0.00727	0.134627	-0.05401	0.956924	0.988805
ENSMUSG0Tmem138	115.9319	-0.00872	0.161647	-0.05395	0.956977	0.988805
ENSMUSG0Plod2	145.1554	-0.00818	0.151934	-0.05383	0.957067	0.988805
ENSMUSG0Atp2b2	333.1894	-0.00638	0.119925	-0.05324	0.957541	0.988944
ENSMUSG0Gmppa	304.6329	-0.00724	0.135835	-0.05328	0.957513	0.988944
ENSMUSG0Ilf2	142.0717	0.007633	0.14919	0.051163	0.959196	0.988995
ENSMUSG0Clu	127.2873	-0.00761	0.152075	-0.05003	0.960098	0.988995
ENSMUSG0Fopnl	164.9188	-0.00765	0.151229	-0.05055	0.959681	0.988995
ENSMUSG0Eprs	464.6866	0.005788	0.110425	0.052419	0.958195	0.988995
ENSMUSG0Ints3	383.0765	0.006272	0.121152	0.051769	0.958713	0.988995
ENSMUSG0Sema3a	115.817	0.008781	0.171127	0.051312	0.959077	0.988995
ENSMUSG0Dpysl5	280.3931	-0.00678	0.134539	-0.0504	0.9598	0.988995
ENSMUSG0Sec31a	2265.689	-0.00525	0.099616	-0.05266	0.958006	0.988995
ENSMUSG0Iars	660.2931	0.005742	0.112436	0.05107	0.95927	0.988995
ENSMUSG0Ppp1r10	403.312	0.006492	0.126863	0.051171	0.959189	0.988995
ENSMUSG0Insig1	1454.299	0.006022	0.118414	0.050856	0.959441	0.988995
ENSMUSG0Vwa5b2	226.677	-0.00728	0.142549	-0.0511	0.959244	0.988995
ENSMUSG0Slc35c1	526.3421	0.007009	0.13973	0.05016	0.959995	0.988995
ENSMUSG0Gmppb	311.1776	0.006333	0.126622	0.050016	0.960109	0.988995
ENSMUSG0Gm25939	242.367	0.009093	0.181918	0.049983	0.960136	0.988995
ENSMUSG0Cox7a2l	466.7315	0.005745	0.116948	0.049124	0.96082	0.989524
ENSMUSG0Rnf114	289.0571	0.006356	0.130592	0.048668	0.961184	0.989544
ENSMUSG0Fgd6	430.4127	-0.00549	0.117295	-0.04684	0.962638	0.989544
ENSMUSG0Slc36a1	1017.536	0.004732	0.100553	0.047065	0.962462	0.989544
ENSMUSG0Gcnt2	323.6055	0.005804	0.121783	0.047661	0.961986	0.989544
ENSMUSG0Srsf7	771.3892	0.004608	0.097215	0.0474	0.962195	0.989544
ENSMUSG0Snx27	412.5144	0.006309	0.134011	0.047079	0.962451	0.989544
ENSMUSG0Mtf2	281.6234	0.005998	0.125109	0.047939	0.961765	0.989544
ENSMUSG0Rabggtb	144.6838	0.007187	0.148976	0.048241	0.961524	0.989544
ENSMUSG0Cox10	184.399	-0.00686	0.145807	-0.04706	0.962462	0.989544
ENSMUSG0Isca1	252.8635	0.006561	0.134305	0.048851	0.961038	0.989544
ENSMUSG0Bloc1s1	121.5471	-0.00702	0.151011	-0.04647	0.962932	0.989544
ENSMUSG0Gm22614	165.1589	0.007656	0.165006	0.046396	0.962995	0.989544
ENSMUSG0Map4k2	131.5847	0.006925	0.149463	0.04633	0.963047	0.989544

ENSMUSG0 Man2a2	216.0751	-0.00671	0.146146	-0.04588	0.963402	0.989734
ENSMUSG0 Supt4a	107.1032	-0.00722	0.160928	-0.04487	0.964213	0.989877
ENSMUSG0 P3h1	138.293	0.007127	0.160929	0.044286	0.964676	0.989877
ENSMUSG0 Mrpl20	118.2765	0.007092	0.157288	0.045089	0.964036	0.989877
ENSMUSG0 Pank1	114.8589	0.006972	0.153351	0.045467	0.963735	0.989877
ENSMUSG0 Gabpb2	372.868	-0.00499	0.112372	-0.04445	0.96455	0.989877
ENSMUSG0 Pomt1	152.2945	-0.00688	0.1537	-0.04473	0.964321	0.989877
ENSMUSG0 Ccdc6	548.2046	0.005693	0.128757	0.044218	0.96473	0.989877
ENSMUSG0 Nprl3	109.2861	-0.00731	0.167901	-0.04356	0.965259	0.989933
ENSMUSG0 Mthfd1	514.3214	-0.00507	0.117291	-0.04324	0.965513	0.989933
ENSMUSG0 Rpa2	186.1809	-0.00584	0.133978	-0.04359	0.965228	0.989933
ENSMUSG0 Mapkapk5	323.7419	0.005606	0.130541	0.042945	0.965746	0.989933
ENSMUSG0 Chd9	982.4871	0.004809	0.112451	0.042762	0.965891	0.989933
ENSMUSG0 H2afj	121.6611	-0.00663	0.15348	-0.0432	0.965541	0.989933
ENSMUSG0 Gm25890	165.1782	0.007029	0.164789	0.042657	0.965975	0.989933
ENSMUSG0 Insr	201.8822	-0.00658	0.158453	-0.04155	0.966855	0.990017
ENSMUSG0 Xrcc6	305.0678	0.005253	0.126621	0.041489	0.966906	0.990017
ENSMUSG0 Naa40	688.9482	0.004299	0.102148	0.042084	0.966432	0.990017
ENSMUSG0 Casp9	168.5217	-0.00614	0.147167	-0.04175	0.966696	0.990017
ENSMUSG0 Prom1	694.4755	-0.00439	0.105216	-0.04173	0.966712	0.990017
ENSMUSG0 Yipf2	248.2497	-0.00533	0.130498	-0.04084	0.96742	0.990369
ENSMUSG0 Dnal4	128.8815	0.005977	0.147667	0.040479	0.967711	0.990493
ENSMUSG0 Arid1a	936.3994	-0.00423	0.107483	-0.03937	0.968598	0.990559
ENSMUSG0 Lmbr1l	299.4652	0.005022	0.126855	0.039591	0.96842	0.990559
ENSMUSG0 Luc7l2	313.4938	-0.00464	0.116875	-0.03973	0.968311	0.990559
ENSMUSG0 Setd1a	343.5866	0.005294	0.13342	0.039677	0.968351	0.990559
ENSMUSG0 Amer1	143.3518	-0.00604	0.153653	-0.03933	0.968626	0.990559
ENSMUSG0 Acvr2a	222.4828	-0.00523	0.13399	-0.03902	0.968871	0.990636
ENSMUSG0 Baz1b	618.1785	0.004133	0.108092	0.03824	0.969496	0.990859
ENSMUSG0 Rpl6	317.7747	0.004655	0.121682	0.038254	0.969485	0.990859
ENSMUSG0 Washc4	138.3772	0.005694	0.150249	0.037898	0.969769	0.990859
ENSMUSG0 Arhgap24	119.9962	0.005847	0.15401	0.037962	0.969718	0.990859
ENSMUSG0 Glg1	769.0615	0.004095	0.110083	0.037202	0.970324	0.99101
ENSMUSG0 Nup153	348.3297	0.005145	0.139303	0.03693	0.970541	0.99101
ENSMUSG0 Slc39a1	506.2345	-0.00433	0.117257	-0.03694	0.97053	0.99101
ENSMUSG0 Eil	137.5676	-0.00551	0.149551	-0.03686	0.970598	0.99101
ENSMUSG0 Picalm	316.3281	-0.0048	0.136922	-0.03509	0.972009	0.992277
ENSMUSG0 Bcat2	303.9022	-0.00426	0.123665	-0.03447	0.9725	0.992508
ENSMUSG0 Smc1a	162.3664	0.005275	0.153438	0.034378	0.972576	0.992508
ENSMUSG0 Aagab	135.3366	-0.00549	0.161765	-0.03393	0.972934	0.992699
ENSMUSG0 Ddx24	206.2846	-0.00439	0.131597	-0.03338	0.973372	0.992972
ENSMUSG0 Spag5	127.3212	-0.0047	0.152588	-0.03081	0.97542	0.993101
ENSMUSG0 Psmb6	121.03	-0.00484	0.153677	-0.03151	0.974865	0.993101
ENSMUSG0 Perp	154.2759	0.004568	0.144453	0.031623	0.974772	0.993101
ENSMUSG0 Cabin1	175.4195	-0.00432	0.141336	-0.03056	0.975624	0.993101
ENSMUSG0 Carmil1	312.0409	0.003864	0.121635	0.031764	0.97466	0.993101
ENSMUSG0 Nus1	264.7666	-0.00379	0.125037	-0.03032	0.97581	0.993101
ENSMUSG0 Ppil1	143.1942	-0.00469	0.145122	-0.03231	0.974229	0.993101
ENSMUSG0 Fam98b	108.4352	0.00525	0.161762	0.032456	0.974108	0.993101
ENSMUSG0 Ulk3	133.4317	-0.00484	0.152732	-0.03171	0.974704	0.993101
ENSMUSG0 Slain2	338.6643	-0.00468	0.152804	-0.0306	0.97559	0.993101
ENSMUSG0 Sun2	436.6652	-0.00378	0.122776	-0.03076	0.975457	0.993101

ENSMUSG0 Asna1	150.4433	-0.00493	0.149916	-0.03288	0.97377	0.993101
ENSMUSG0 Rps7	184.5121	-0.00446	0.147767	-0.03019	0.975912	0.993101
ENSMUSG0 B3galt4	135.452	0.004791	0.151043	0.031722	0.974693	0.993101
ENSMUSG0 Gm38394	223.1402	0.004819	0.160565	0.030015	0.976055	0.993101
ENSMUSG0 Lman2l	109.238	0.004145	0.159469	0.025992	0.979264	0.993321
ENSMUSG0 Acp2	138.3359	0.004511	0.157288	0.028677	0.977122	0.993321
ENSMUSG0 Med25	368.3368	-0.00321	0.12315	-0.02604	0.979225	0.993321
ENSMUSG0 Hmox2	184.9077	0.003509	0.136453	0.025715	0.979484	0.993321
ENSMUSG0 Skiv2l2	219.4148	-0.00325	0.134502	-0.02419	0.980704	0.993321
ENSMUSG0 Atp5e	406.1775	0.00365	0.143665	0.025405	0.979732	0.993321
ENSMUSG0 Cox11	166.4837	-0.00386	0.14362	-0.02689	0.97855	0.993321
ENSMUSG0 Ogford3	323.8176	-0.00324	0.120366	-0.0269	0.978537	0.993321
ENSMUSG0 Pgm2	165.1606	-0.0038	0.138213	-0.02753	0.978039	0.993321
ENSMUSG0 Capn2	167.2443	-0.00357	0.146463	-0.02435	0.980572	0.993321
ENSMUSG0 Schip1	366.5997	0.003304	0.121998	0.027084	0.978393	0.993321
ENSMUSG0 Hp1bp3	315.0792	-0.00337	0.129261	-0.02606	0.979213	0.993321
ENSMUSG0 Cdr2	120.5858	0.003861	0.156405	0.024689	0.980303	0.993321
ENSMUSG0 Gla	136.4824	-0.00386	0.154763	-0.02494	0.980105	0.993321
ENSMUSG0 Sltm	120.43	-0.00401	0.151364	-0.02649	0.978864	0.993321
ENSMUSG0 Atp5h	148.3042	-0.00379	0.15198	-0.02495	0.980094	0.993321
ENSMUSG0 Cog3	199.8027	-0.00367	0.134148	-0.02733	0.978195	0.993321
ENSMUSG0 Rab8b	121.5893	-0.00463	0.164018	-0.02823	0.977478	0.993321
ENSMUSG0 Psd	328.6972	-0.00319	0.121822	-0.0262	0.979097	0.993321
ENSMUSG0 Aqr	201.3095	0.004063	0.139511	0.029124	0.976765	0.993321
ENSMUSG0 Ipo9	439.442	-0.0031	0.123173	-0.02517	0.97992	0.993321
ENSMUSG0 Wdr81	191.8188	0.003452	0.141024	0.024478	0.980471	0.993321
ENSMUSG0 Prmt6	257.2963	-0.00361	0.131489	-0.02745	0.978102	0.993321
ENSMUSG0 Tanc2	423.3863	-0.00357	0.127662	-0.02796	0.977696	0.993321
ENSMUSG0 Sort1	1011.79	0.002974	0.108906	0.027306	0.978215	0.993321
ENSMUSG0 Rybp	212.2238	-0.00354	0.137113	-0.02584	0.979385	0.993321
ENSMUSG0 Gm15500	322.0538	0.003056	0.128391	0.023798	0.981013	0.993462
ENSMUSG0 Spag7	122.8993	-0.0035	0.166426	-0.02102	0.983233	0.995018
ENSMUSG0 Cptp	108.0178	-0.00336	0.157507	-0.02134	0.982973	0.995018
ENSMUSG0 Ss18	104.2027	-0.00361	0.171277	-0.02106	0.983196	0.995018
ENSMUSG0 Chd8	431.5304	-0.00277	0.130758	-0.02118	0.983104	0.995018
ENSMUSG0 Copa	1061.793	0.001863	0.091171	0.020429	0.983701	0.995164
ENSMUSG0 Champ1	164.9344	-0.00293	0.145135	-0.02019	0.98389	0.995164
ENSMUSG0 Zbtb5	252.4365	-0.00263	0.130091	-0.02024	0.983848	0.995164
ENSMUSG0 Ndel1	242.4477	-0.00301	0.151186	-0.01994	0.984092	0.995195
ENSMUSG0 Ptpn9	106.7696	-0.00297	0.154621	-0.01919	0.984686	0.99545
ENSMUSG0 Selenoi	155.0109	0.002996	0.154409	0.019401	0.984521	0.99545
ENSMUSG0 Etnk1	634.4872	-0.00185	0.098307	-0.01885	0.984957	0.995552
ENSMUSG0 Otud6b	103.6732	0.002926	0.158849	0.018422	0.985302	0.995722
ENSMUSG0 Rps27rt	170.1897	0.003181	0.175903	0.018087	0.98557	0.995722
ENSMUSG0 Rab3ip	165.3979	-0.00252	0.1398	-0.018	0.985638	0.995722
ENSMUSG0 Bical	148.6359	-0.00277	0.157239	-0.01762	0.985946	0.99586
ENSMUSG0 Scarb2	670.2672	-0.00184	0.109886	-0.01679	0.986607	0.99601
ENSMUSG0 Ep400	387.3319	0.002631	0.155463	0.016921	0.986499	0.99601
ENSMUSG0 Pgbd5	117.0406	0.002616	0.154277	0.016956	0.986472	0.99601
ENSMUSG0 Rmnd5a	284.572	0.001985	0.11982	0.016569	0.98678	0.996012
ENSMUSG0 Chordc1	108.9642	0.002611	0.165656	0.015764	0.987423	0.996338
ENSMUSG0 Casp2	209.163	-0.00205	0.134032	-0.01531	0.987787	0.996338

ENSMUSG0 Rab11fip1	110.7982	0.00273	0.17509	0.01559	0.987562	0.996338
ENSMUSG0 Senp1	341.7681	0.001981	0.129301	0.015323	0.987775	0.996338
ENSMUSG02610507B1	958.8861	0.001334	0.094763	0.014075	0.98877	0.996585
ENSMUSG0 Slc25a25	456.0256	0.00166	0.117917	0.014078	0.988767	0.996585
ENSMUSG0 Vat1	181.9213	0.002063	0.143466	0.014377	0.988529	0.996585
ENSMUSG0 Zfp507	202.3898	0.001941	0.14591	0.013303	0.989386	0.996585
ENSMUSG0 Fbl	190.1722	-0.00189	0.141003	-0.01342	0.989296	0.996585
ENSMUSG0 Psma3	172.1562	-0.00218	0.150627	-0.01449	0.988443	0.996585
ENSMUSG0 Kif1b	1375.51	0.00128	0.09632	0.013284	0.989401	0.996585
ENSMUSG0 Hpcal1	170.8119	0.002068	0.148874	0.013893	0.988916	0.996585
ENSMUSG0 Cttn	204.9892	0.001709	0.136653	0.012505	0.990023	0.996867
ENSMUSG0 Gmeb2	126.6899	-0.00201	0.159325	-0.01261	0.98994	0.996867
ENSMUSG0 Gcc1	165.4629	0.001981	0.164949	0.012009	0.990418	0.99692
ENSMUSG0 Cdv3	505.5133	-0.00135	0.11231	-0.01206	0.990376	0.99692
ENSMUSG0 Gclm	312.0328	-0.0015	0.128047	-0.01169	0.990673	0.997005
ENSMUSG0 Ankhd1	498.7133	0.001337	0.124415	0.010749	0.991424	0.997332
ENSMUSG0 Farp1	334.0774	0.001235	0.119762	0.010309	0.991774	0.997332
ENSMUSG0 Osbpl2	112.1891	-0.00159	0.156999	-0.01015	0.991901	0.997332
ENSMUSG0 Ywhag	1153.602	0.00106	0.097553	0.01087	0.991327	0.997332
ENSMUSG0 Tubgcp6	112.9474	0.001649	0.16239	0.010157	0.991896	0.997332
ENSMUSG0 Ldha	104.6902	-0.0017	0.169662	-0.01	0.992025	0.997332
ENSMUSG0 Unk	199.2314	0.001235	0.132543	0.009317	0.992566	0.997373
ENSMUSG0 Ndufs4	206.4655	0.001333	0.139171	0.009575	0.99236	0.997373
ENSMUSG0 Pop4	109.3781	0.001459	0.160007	0.009118	0.992725	0.997373
ENSMUSG0 Mesd	213.525	-0.00131	0.14441	-0.00909	0.992751	0.997373
ENSMUSG0 Man1a2	411.8177	0.001039	0.132062	0.007864	0.993726	0.997671
ENSMUSG0 Grin1	210.3201	-0.00122	0.143782	-0.00849	0.993228	0.997671
ENSMUSG0 Acap3	112.961	0.00128	0.164193	0.007793	0.993782	0.997671
ENSMUSG0 Dhx57	105.1454	-0.00126	0.161175	-0.00783	0.993755	0.997671
ENSMUSG0 Rpl7	290.0075	-0.00101	0.132676	-0.00764	0.993904	0.997671
ENSMUSG0 Tollip	418.9838	-0.00087	0.120486	-0.00721	0.994249	0.997846
ENSMUSG0 Prlr	576.7369	-0.00055	0.121702	-0.00451	0.996401	0.99798
ENSMUSG0 Srsf6	376.9107	0.000542	0.126155	0.004297	0.996571	0.99798
ENSMUSG0 Txndc17	147.8841	0.000599	0.144048	0.004157	0.996684	0.99798
ENSMUSG0 Trip11	270.8676	-0.00074	0.128551	-0.00579	0.995382	0.99798
ENSMUSG0 Slc35f5	399.3578	0.000565	0.117389	0.004809	0.996163	0.99798
ENSMUSG0 Chpf	463.6413	0.000526	0.110854	0.004745	0.996214	0.99798
ENSMUSG0 Dcaf15	223.8439	0.000535	0.132693	0.004035	0.996781	0.99798
ENSMUSG0 Psmd7	148.7528	-0.00086	0.150191	-0.00571	0.995445	0.99798
ENSMUSG0 Cdk5rap2	180.2775	0.000643	0.159005	0.004041	0.996776	0.99798
ENSMUSG0 Stub1	297.9973	-0.00056	0.127963	-0.00436	0.996519	0.99798
ENSMUSG0 Ankib1	247.087	0.000519	0.126792	0.004089	0.996737	0.99798
ENSMUSG0 Yeats2	124.1332	-0.00076	0.150919	-0.00502	0.995994	0.99798
ENSMUSG0 Atxn1	265.5686	0.000664	0.14015	0.004741	0.996217	0.99798
ENSMUSG0 Rexo1	140.2533	0.000804	0.159874	0.005028	0.995988	0.99798
ENSMUSG0 Smg8	145.9182	-0.00043	0.147753	-0.00294	0.997652	0.998509
ENSMUSG0 Phf2011	206.9797	-0.00043	0.138647	-0.00313	0.997501	0.998509
ENSMUSG0 Hdac1	134.3312	0.00029	0.148826	0.001949	0.998445	0.999131
ENSMUSG0 Eid1	223.5776	-0.00019	0.129748	-0.00148	0.998818	0.999333
ENSMUSG0 Psmc2	373.5438	0.000124	0.119035	0.001044	0.999167	0.999338
ENSMUSG0 Meis3	148.3961	0.000182	0.148835	0.001225	0.999023	0.999338
ENSMUSG0 Spsb4	157.0819	-1.69E-05	0.146896	-0.00012	0.999908	0.999908

miR-125b mimics vs control for all detected genes

Supplemental Table 1. RIP-RNA/T-RNA ratio: RIP/T-RNA column shows the ratio RIP-RNA Fold chang

Gene.name	Gene.stable.ID	baseMean	_log2FoldCh	lfcSE_RNA	stat_RNA
Taz	ENSMUSG00000009995	1071.191	-0.18414	0.078049	-2.35921
M6pr	ENSMUSG00000007458	4999.724	-0.29023	0.072273	-4.0157
Tor2a	ENSMUSG00000009563	1725.606	-0.47076	0.106729	-4.41081
Mtftp1	ENSMUSG00000004748	522.4707	-0.39239	0.109173	-3.59424
Tnks1bp1	ENSMUSG000000033955	949.5427	-0.10873	0.078711	-1.38132
Gnpat	ENSMUSG000000031985	2720.318	-0.15053	0.085056	-1.76973
Gm47356	ENSMUSG000000111436	77.07205	-0.20311	0.14549	-1.39603
Trnp1	ENSMUSG000000056596	3678.431	0.025077	0.129408	0.193782
Rhot2	ENSMUSG000000025733	1962.814	-0.01209	0.101522	-0.11905
Lsm14b	ENSMUSG000000039108	1411.121	-0.11453	0.083479	-1.37201
Mlxip1	ENSMUSG000000005373	7509.657	-0.12894	0.126604	-1.01846
Lrrc10b	ENSMUSG000000090291	2007.567	-0.37028	0.109095	-3.3941
Trabd	ENSMUSG000000015363	3643.206	-0.20591	0.112468	-1.83084
Ceacam1	ENSMUSG000000074272	2226.339	-0.59837	0.13778	-4.34294
Cpne5	ENSMUSG000000024008	76.08218	-0.52609	0.144625	-3.63758
Abtb1	ENSMUSG000000030083	614.6331	-0.29657	0.130425	-2.27388
Nectin2	ENSMUSG000000062300	649.4953	-0.28443	0.103289	-2.75368
Gm10125	ENSMUSG000000063087	40.66042	-0.11234	0.14387	-0.78085
Pex11g	ENSMUSG000000069633	208.7864	-0.40333	0.131491	-3.06738
Dusp23	ENSMUSG000000026544	455.9866	-0.5082	0.127811	-3.97622
Kcnc2	ENSMUSG000000035681	100.4199	-0.73687	0.125752	-5.85973
Guk1	ENSMUSG000000020444	2915.682	0.064083	0.119922	0.534372
Mfge8	ENSMUSG000000030605	868.1181	-0.48918	0.132135	-3.70217
Rnf113a2	ENSMUSG000000098134	712.0316	0.122093	0.074331	1.642543
Stc1	ENSMUSG000000014813	857.9249	-0.34842	0.13283	-2.62304
Src	ENSMUSG000000027646	154.2539	-0.48947	0.128981	-3.79486
Nrm	ENSMUSG000000059791	1180.61	-0.56939	0.089854	-6.33681
Pgap3	ENSMUSG000000038208	641.0442	-0.51817	0.103958	-4.98443
Coch	ENSMUSG000000020953	1298.628	0.038545	0.145777	0.264409
Rab16	ENSMUSG000000015087	4350.831	-0.1662	0.081561	-2.03774
Apoo	ENSMUSG000000079508	1998.538	0.082857	0.070583	1.173887
Cyth1	ENSMUSG000000017132	2151.234	-0.08858	0.055505	-1.59593
Gm17167	ENSMUSG000000091542	42.81631	-0.25082	0.14266	-1.75817
Cd34	ENSMUSG000000016494	79.92966	-0.38748	0.142992	-2.70983
Cbx7	ENSMUSG000000053411	945.5505	-0.29211	0.10886	-2.68333
Brms1	ENSMUSG000000080268	812.47	-0.27578	0.099288	-2.77755
Grk4	ENSMUSG000000052783	112.1305	-0.12895	0.145122	-0.88854
Rnf44	ENSMUSG000000034928	2413.089	-0.23571	0.117032	-2.01403
Pstpip2	ENSMUSG000000025429	299.435	-0.53265	0.124053	-4.29374
Syvn1	ENSMUSG000000024807	3666.157	-0.17428	0.092418	-1.88577
Agtrap	ENSMUSG000000029007	312.3559	-0.16726	0.119347	-1.40145
Fam83h	ENSMUSG000000046761	1005.806	-0.43926	0.097009	-4.52806
Them6	ENSMUSG000000056665	565.1754	-0.62394	0.136567	-4.56874
Nudt16	ENSMUSG000000032565	315.1807	-0.23669	0.103018	-2.2976
Vipr1	ENSMUSG000000032528	2759.231	-0.1634	0.1001	-1.63233
Lypla2	ENSMUSG000000028670	3585.185	-0.19483	0.081576	-2.38837
Gm43960	ENSMUSG000000108249	48.48694	0.049964	0.140476	0.355675
G6pc3	ENSMUSG000000034793	1689.477	-0.15225	0.095734	-1.59032
Dis3l2	ENSMUSG000000053333	611.7874	-0.31305	0.083237	-3.76089
Ccdc50	ENSMUSG000000038127	2370.873	-0.2496	0.08376	-2.98001

Sirt6	ENSMUSG00000034748	516.314	-0.28702	0.080235	-3.57727
Dnajc14	ENSMUSG00000025354	2180.367	-0.26256	0.05987	-4.38548
Mlycd	ENSMUSG00000074064	867.8726	-0.40715	0.095644	-4.25698
Gm45844	ENSMUSG00000110105	81.29664	-0.13196	0.131867	-1.00069
Aftph	ENSMUSG00000049659	1885.46	-0.06553	0.065132	-1.00609
Dph7	ENSMUSG00000026975	500.4093	-0.08735	0.094281	-0.9265
Ptpn5	ENSMUSG00000030854	165.1552	-0.50305	0.132921	-3.7846
Pgp	ENSMUSG00000043445	2761.197	0.014526	0.111686	0.130059
Car8	ENSMUSG00000041261	192.2807	-0.78653	0.11644	-6.75483
AU040320	ENSMUSG00000028830	3121.374	-0.37839	0.068078	-5.55816
Rpl35	ENSMUSG00000062997	5405.918	0.084078	0.116129	0.72401
Ppp4r3a	ENSMUSG00000041846	2567.394	-0.07359	0.083659	-0.87965
Ptpn1	ENSMUSG00000027540	1584.312	-0.39868	0.083703	-4.76305
Sfi1	ENSMUSG00000023764	867.9102	-0.02382	0.089392	-0.26651
P2ry6	ENSMUSG00000048779	1576.11	-0.54187	0.074284	-7.29454
Impdh1	ENSMUSG00000003500	3453.748	-0.34989	0.083731	-4.17872
St14	ENSMUSG00000031995	196.2641	-0.30244	0.104289	-2.90006
Rps6-ps4	ENSMUSG00000081406	4596.716	0.030296	0.119643	0.253217
Qsox2	ENSMUSG00000036327	2577.697	-0.2662	0.077518	-3.43406
Gm38025	ENSMUSG00000103998	277.8964	-0.06379	0.112943	-0.56478
Acads	ENSMUSG00000029545	782.5217	-0.28036	0.113769	-2.46429
D130040H	ENSMUSG00000079038	142.4486	-0.27173	0.125728	-2.16122
Gm47102	ENSMUSG00000111824	145.8827	-0.25632	0.145289	-1.76421
Tlnrd1	ENSMUSG00000070462	1022.711	-0.30634	0.107597	-2.8471
Creld1	ENSMUSG00000030284	1544.37	-0.2554	0.104467	-2.44477
Sox12	ENSMUSG00000051817	325.2286	-0.64661	0.113423	-5.70085
Anp32a	ENSMUSG00000032249	3819.104	-0.05407	0.109083	-0.49565
Entpd3	ENSMUSG00000041608	10049.06	-0.14773	0.106331	-1.38932
Lfng	ENSMUSG00000029570	219.7226	-0.38332	0.129187	-2.96719
6030458C1	ENSMUSG00000022195	1004.294	-0.38906	0.074552	-5.2186
Klc2	ENSMUSG00000024862	2320.309	-0.1475	0.095649	-1.54212
Igfbp7	ENSMUSG00000036256	378.9037	-0.59848	0.139342	-4.29507
Ppt2	ENSMUSG00000015474	1150.602	-0.53468	0.103136	-5.18422
Zfp111	ENSMUSG00000087598	570.9027	-0.06121	0.08523	-0.71814
Phldb2	ENSMUSG00000033149	40.5369	-0.21714	0.125251	-1.73367
49334210	ENSMUSG00000085037	388.2961	-0.29017	0.087446	-3.3183
Rtn2	ENSMUSG00000030401	3316.851	-0.04942	0.092484	-0.53441
Slc37a1	ENSMUSG00000024036	1126.234	-0.51023	0.08102	-6.29754
Dedd2	ENSMUSG00000054499	630.3569	-0.15349	0.128549	-1.19399
Lactb	ENSMUSG00000032370	350.0522	-0.41241	0.120608	-3.41939
Dgcr8	ENSMUSG00000022718	897.0805	-0.12451	0.091796	-1.35637
Dgcr8	ENSMUSG00000106687	897.0805	-0.12451	0.091796	-1.35637
Gm42785	ENSMUSG00000106948	196.7388	-0.14938	0.109034	-1.37001
Gm28756	ENSMUSG00000109887	57.66643	-0.06648	0.139912	-0.47519
Gm21244	ENSMUSG00000094484	80.48344	-0.12543	0.131528	-0.95366
Gm15097	ENSMUSG00000094378	124.4003	-0.04778	0.141269	-0.33825
4933411EC	ENSMUSG00000099608	42.38204	-0.1911	0.141507	-1.35047
Mtus1	ENSMUSG00000045636	558.9087	-0.33191	0.106067	-3.12924
Ppp6r1	ENSMUSG00000052296	6197.121	0.015191	0.065324	0.232552
Fen1	ENSMUSG00000024742	5485.55	-0.14282	0.092236	-1.54842
Gm44578	ENSMUSG00000108857	50.26524	-0.01609	0.145532	-0.11054
Gcnt1	ENSMUSG00000038843	1811.937	-0.32375	0.100891	-3.20888

Pop5	ENSMUSG00000060152	2610.538	-0.20637	0.118076	-1.7478
Gm5860	ENSMUSG00000085022	185.0156	-0.30479	0.137606	-2.21496
Gm43498	ENSMUSG000000106819	41.95989	0.006615	0.144516	0.045771
Ap1s3	ENSMUSG00000054702	770.2127	-0.10951	0.097533	-1.12279
Cdh22	ENSMUSG00000053166	2555.433	-0.30696	0.123993	-2.47561
Rce1	ENSMUSG00000024889	1145.495	-0.3061	0.104143	-2.93924
Gm45159	ENSMUSG000000109125	36.62571	-0.11071	0.143075	-0.77382
Klhl21	ENSMUSG00000073700	885.5363	-0.2705	0.125857	-2.14925
Atg4d	ENSMUSG00000002820	1710.938	-0.246	0.13241	-1.85789
Fgfr1	ENSMUSG00000031565	229.2726	-0.42126	0.112433	-3.7468
Zfp488	ENSMUSG00000044519	194.4938	-0.11461	0.109198	-1.04955
Olfr1116	ENSMUSG00000070855	48.0745	-0.02683	0.142055	-0.18886
Neur13	ENSMUSG00000047180	440.8188	-0.53252	0.131777	-4.04108
Ccdc162	ENSMUSG00000075225	200.4987	-0.20221	0.123952	-1.63137
Rabl2	ENSMUSG00000022621	388.8285	-0.28564	0.100481	-2.84271
Stk11ip	ENSMUSG00000026213	1118.412	-0.32086	0.0738	-4.34767
Mrpl53	ENSMUSG00000030037	1371.178	-0.02703	0.111229	-0.24306
C1qtnf1	ENSMUSG00000017446	252.5951	-0.45524	0.13064	-3.48468
Frem2	ENSMUSG00000037016	88.12404	-0.43549	0.138296	-3.14899
Ecd	ENSMUSG00000021810	2548.336	-0.21943	0.085146	-2.57705
Zfp385a	ENSMUSG00000000552	318.1449	-0.44467	0.116158	-3.82813
Vps29	ENSMUSG00000029462	3181.02	0.14594	0.094616	1.542445
Ano3	ENSMUSG00000074968	72.76557	-0.57059	0.145882	-3.91131
Spata6	ENSMUSG00000034401	538.9563	-0.06177	0.098235	-0.62879
Olfr338	ENSMUSG00000068950	60.02312	-0.20718	0.136732	-1.51523
Efcab14	ENSMUSG00000034210	2125.517	-0.17292	0.081805	-2.11384
Klf16	ENSMUSG00000035397	827.3015	-0.21299	0.082522	-2.58105
Znhit1	ENSMUSG00000059518	1720.33	-0.06089	0.105097	-0.57936
Gm48443	ENSMUSG000000111485	872.1264	-0.19265	0.103566	-1.86019
Churc1	ENSMUSG00000090258	1785.526	-0.00975	0.110033	-0.0886
Cep19	ENSMUSG00000035790	806.1332	-0.15372	0.097518	-1.57635
9930111J2	ENSMUSG00000069892	50.20678	-0.12903	0.143654	-0.89819
Cnot6	ENSMUSG00000020362	3534.837	-0.26816	0.106339	-2.5217
Pgpep1	ENSMUSG00000056204	696.984	-0.16194	0.117837	-1.37423
Npc1	ENSMUSG00000024413	1042.085	-0.37448	0.079637	-4.70233
Hdac5	ENSMUSG00000008855	1333.13	-0.30554	0.11829	-2.58297
Ctbp1	ENSMUSG00000037373	8497.629	-0.23845	0.058978	-4.04305
Olfr365	ENSMUSG00000059429	106.2915	-0.03024	0.114348	-0.26444
Cchcr1	ENSMUSG00000040312	1415.747	-0.02753	0.076635	-0.35923
Olfr552	ENSMUSG00000073973	36.60375	-0.04884	0.145978	-0.33459
Sp110	ENSMUSG00000070034	125.5753	-0.19937	0.144813	-1.37671
Lingo1	ENSMUSG00000049556	3223.816	-0.23077	0.110615	-2.08628
Ppp6r3	ENSMUSG00000024908	4185.156	-0.09041	0.066708	-1.35534
Wdr25	ENSMUSG00000040877	544.3638	-0.15235	0.100759	-1.51206
Prpf18	ENSMUSG00000039449	1456.397	-0.14101	0.06849	-2.05885
2810039B1	ENSMUSG00000099034	161.7728	-0.19967	0.121792	-1.63939
Rab17	ENSMUSG00000026304	218.7979	-0.47803	0.118382	-4.03803
Mob2	ENSMUSG00000025147	820.5123	-0.17042	0.09007	-1.89206
1700082M	ENSMUSG00000023737	43.4288	-0.19411	0.14381	-1.34975
Cadm1	ENSMUSG00000032076	5016.387	-0.19742	0.103604	-1.9055
Triap1	ENSMUSG00000029535	829.1468	-0.11483	0.097256	-1.18064
Olfr1328	ENSMUSG000000111259	170.6826	-0.1278	0.116293	-1.09891

Gm4117	ENSMUSG00000089940	288.2926	-0.18821	0.136687	-1.37697
Nmnat1	ENSMUSG00000028992	260.124	-0.23181	0.125258	-1.85069
Gm43577	ENSMUSG000000105287	63.99665	-0.08913	0.138147	-0.6452
Gm42927	ENSMUSG000000105207	586.1786	-0.04168	0.128127	-0.32528
Zfp697	ENSMUSG00000050064	94.17433	-0.17087	0.121384	-1.40769
Bmf	ENSMUSG00000040093	254.7906	-0.68258	0.135788	-5.02677
Gm45038	ENSMUSG000000109195	89.09977	-0.10433	0.122003	-0.85513
C130073E2	ENSMUSG000000110246	56.66736	-0.02999	0.138965	-0.21582
E130309D	ENSMUSG00000039244	1199.872	-0.11457	0.10437	-1.09772
Coro2a	ENSMUSG00000028337	420.0147	-0.60719	0.124563	-4.87453
Mdga1	ENSMUSG00000043557	148.6462	-0.33337	0.137379	-2.42662
Mogs	ENSMUSG00000030036	3034.842	-0.37358	0.118598	-3.14992
4632415LC	ENSMUSG00000048106	496.6016	-0.17492	0.095128	-1.83878
Gm43190	ENSMUSG000000106107	62.61338	-0.03278	0.141084	-0.23237
Prdm11	ENSMUSG00000075028	121.196	-0.14102	0.118625	-1.18878
Dhtkd1	ENSMUSG00000025815	88.06425	-0.01277	0.131578	-0.09707
Vps4b	ENSMUSG00000009907	2551.482	-0.35138	0.112501	-3.12336
Inpp4b	ENSMUSG00000037940	190.4685	-0.36093	0.121818	-2.96288
Oraov1	ENSMUSG00000031072	676.4956	-0.1555	0.080013	-1.94348
Gm43660	ENSMUSG000000107352	71.07365	-0.12582	0.130942	-0.96088
Tcp11l2	ENSMUSG00000020034	181.5715	-0.49137	0.137568	-3.57184
Olfr374	ENSMUSG00000046881	92.51858	-0.20154	0.133269	-1.51229
Sned1	ENSMUSG00000047793	62.41988	-0.11832	0.145172	-0.815
Gm16892	ENSMUSG00000097876	57.1054	-0.0623	0.145731	-0.42752
Akap2	ENSMUSG00000038729	51.19395	-0.04354	0.138769	-0.31372
Kcnn2	ENSMUSG00000054477	89.17545	-0.44639	0.142814	-3.1257
Gm43540	ENSMUSG000000105549	213.8424	-0.09637	0.128182	-0.7518
Zfyve27	ENSMUSG00000018820	1919.976	-0.1661	0.071919	-2.30953
Kcns3	ENSMUSG00000043673	154.8583	-0.37555	0.145388	-2.58306
Pcsk7	ENSMUSG00000035382	1262.625	-0.30831	0.09896	-3.1155
Plppr1	ENSMUSG00000063446	225.5255	-0.48941	0.131303	-3.7273
Riox2	ENSMUSG00000022724	998.4856	0.048316	0.079679	0.606381
Scarb1	ENSMUSG00000037936	1628.983	-0.39262	0.08573	-4.57976
Card10	ENSMUSG00000033170	294.9275	-0.25029	0.141394	-1.77012
Msl1	ENSMUSG00000052915	2543.062	-0.04685	0.062813	-0.74586
Olfr204	ENSMUSG00000095928	54.62128	-0.04501	0.134164	-0.33549
Itga4	ENSMUSG00000027009	284.2172	-0.18152	0.13442	-1.35039
Edem2	ENSMUSG00000038312	2730.051	-0.19323	0.082557	-2.34057
Smdt1	ENSMUSG00000022452	3972.81	0.169895	0.117444	1.446607
Rnf170	ENSMUSG00000013878	823.7928	-0.20859	0.091546	-2.27852
Hsd3b2	ENSMUSG00000063730	100.8568	-0.03244	0.127788	-0.25389
Olfr975	ENSMUSG00000043331	41.88181	-0.13396	0.142474	-0.94021
Vps37b	ENSMUSG00000066278	1415.993	-0.15709	0.07209	-2.17908
Ppcdc	ENSMUSG00000063849	560.4696	-0.12372	0.089935	-1.37569
Nhsl1	ENSMUSG00000039835	1187.038	-0.09592	0.116871	-0.82076
Dffa	ENSMUSG00000028974	323.9484	-0.19654	0.106958	-1.83757
Olfr1385	ENSMUSG00000059729	242.8628	-0.11937	0.093205	-1.28074
Zfp839	ENSMUSG00000021271	424.7626	-0.16518	0.133537	-1.23699
Depdc7	ENSMUSG00000027173	416.3003	-0.30093	0.112662	-2.67106
Panx1	ENSMUSG00000031934	135.54	-0.3819	0.136171	-2.80458
Cartpt	ENSMUSG00000021647	247.4897	-0.47777	0.132601	-3.60305
Ehd3	ENSMUSG00000024065	291.9014	-0.41999	0.092281	-4.55115

Homer2	ENSMUSG00000025813	107.5159	-0.44673	0.139971	-3.19162
Pycr2	ENSMUSG00000026520	3304.158	-0.1819	0.087754	-2.07289
Ppp1r1a	ENSMUSG00000022490	14706.29	0.094938	0.101572	0.934689
Ago4	ENSMUSG00000042500	111.9018	-0.21289	0.133245	-1.59771
Trim65	ENSMUSG00000054517	217.2064	-0.37742	0.09632	-3.91841
Slc12a4	ENSMUSG00000017765	983.3893	-0.1622	0.106634	-1.52108
Phf21b	ENSMUSG00000016624	2704.884	-0.38546	0.13675	-2.8187
Gm26641	ENSMUSG00000097045	129.5775	-0.12756	0.137898	-0.92505
Sptb	ENSMUSG00000021061	633.0291	-0.19993	0.125599	-1.59184
Ssbp2	ENSMUSG00000003992	747.2918	-0.09501	0.106025	-0.89612
Glb1l2	ENSMUSG00000036395	834.2887	-0.44581	0.099891	-4.46294
Hdhd5	ENSMUSG00000058979	1664.954	-0.13936	0.077642	-1.79491
Bcl2l13	ENSMUSG00000009112	2302.947	-0.23935	0.085649	-2.79452
Cers4	ENSMUSG00000008206	75.96722	-0.21752	0.146007	-1.48976
Ubxn6	ENSMUSG00000019578	3005.223	-0.0417	0.075919	-0.5493
Hectd2	ENSMUSG00000041180	50.73625	-0.16781	0.13937	-1.20408
Esr1	ENSMUSG00000019768	175.7612	-0.36022	0.113876	-3.16329
Dnm1	ENSMUSG00000026825	489.8871	-0.35244	0.095655	-3.68451
Man1c1	ENSMUSG00000037306	1225.578	-0.20626	0.10819	-1.90644
Mid1	ENSMUSG00000035299	1058.867	-0.27538	0.101893	-2.70265
Rbm41	ENSMUSG00000031433	104.2435	-0.40991	0.142122	-2.88418
Zswim4	ENSMUSG00000035671	455.9867	-0.36864	0.131669	-2.79978
Mfsd9	ENSMUSG00000041945	63.56158	-0.45569	0.139974	-3.25556
Gm17131	ENSMUSG00000085328	964.453	-0.0762	0.098141	-0.77645
Cln6	ENSMUSG00000032245	4126.421	-0.62829	0.078109	-8.04368
Magi3	ENSMUSG00000052539	372.9015	-0.05626	0.127851	-0.44002
Gm44715	ENSMUSG000000109196	69.37282	-0.07085	0.134717	-0.5259
Gm29055	ENSMUSG000000100768	78.15864	0.00049	0.134828	0.003632
Gorasp1	ENSMUSG00000032513	787.17	-0.11275	0.112991	-0.99783
Slco2a1	ENSMUSG00000032548	39.48181	-0.22772	0.141254	-1.6121
4930533N	ENSMUSG000000108803	431.4701	-0.14988	0.104606	-1.4328
Cs	ENSMUSG00000005683	8996.273	0.137898	0.060971	2.261697
Col22a1	ENSMUSG00000079022	206.6946	-0.30101	0.143214	-2.10178
Slc40a1	ENSMUSG00000025993	4382.852	-0.51062	0.111709	-4.57101
Gm43042	ENSMUSG000000106634	391.9807	0.01351	0.08578	0.157497
Olfr613	ENSMUSG00000078624	50.81017	-0.05393	0.141107	-0.38221
Galnt14	ENSMUSG00000024064	2087.258	-0.24701	0.132159	-1.86906
Stard13	ENSMUSG00000016128	1098.773	-0.09053	0.132159	-0.68499
Map3k11	ENSMUSG00000004054	1801.571	-0.26712	0.076797	-3.47829
Rhbdl3	ENSMUSG00000017692	216.5765	-0.4464	0.120037	-3.71889
Cnot6l	ENSMUSG00000034724	3475.834	-0.23226	0.108872	-2.13328
Tnfsf10	ENSMUSG00000039304	312.236	-0.07799	0.141669	-0.55051
Nup210	ENSMUSG00000030091	1935.81	-0.33663	0.114174	-2.94841
Gm26691	ENSMUSG00000097911	74.69833	-0.09295	0.141923	-0.65492
Ptprg	ENSMUSG00000021745	186.5639	-0.10999	0.12487	-0.88085
Csprs	ENSMUSG00000062783	67.97524	-0.20687	0.143247	-1.44413
Il20rb	ENSMUSG00000044244	230.6959	-0.04489	0.13635	-0.32924
Parm1	ENSMUSG00000034981	327.344	-0.7271	0.104534	-6.95561
Zfyve28	ENSMUSG00000037224	221.4255	-0.23154	0.128226	-1.80569
Vmp1	ENSMUSG00000018171	2426.18	0.057833	0.092094	0.627976
Gga2	ENSMUSG00000030872	3325.78	-0.22287	0.094906	-2.34835
Tmem25	ENSMUSG00000002032	709.7809	-0.13434	0.141268	-0.95099

Akap9	ENSMUSG00000040407	2240.999	-0.11191	0.10468	-1.06903
Sun1	ENSMUSG00000036817	2747.727	-0.06573	0.07601	-0.86469
Fbf1	ENSMUSG00000020776	973.2636	-0.18979	0.095395	-1.98948
Sema3e	ENSMUSG00000063531	143.4808	-0.35156	0.1309	-2.68575
Gm17132	ENSMUSG00000061331	183.1354	0.017356	0.135724	0.127878
Arid3a	ENSMUSG00000019564	237.6966	-0.53477	0.121791	-4.3909
Clmn	ENSMUSG00000021097	121.6268	-0.53125	0.12426	-4.27531
Lsamp	ENSMUSG00000061080	174.8243	-0.33175	0.132756	-2.49892
Mef2a	ENSMUSG00000030557	2050.473	-0.17212	0.112326	-1.53236
Cd44	ENSMUSG00000005087	418.7955	-0.25403	0.128575	-1.9757
Qdpr	ENSMUSG00000015806	9167.036	0.051772	0.122774	0.421682
Olfr472	ENSMUSG00000073893	108.9477	-0.05637	0.145556	-0.38728
Nkapd1	ENSMUSG00000059820	743.9523	-0.21253	0.072483	-2.93209
Ston1	ENSMUSG00000033855	57.99162	-0.24338	0.137205	-1.77382
Gm2824	ENSMUSG00000097452	56.32015	-0.05641	0.144404	-0.39065
Prdm15	ENSMUSG00000014039	524.3765	0.080198	0.135894	0.590154
Retreg2	ENSMUSG00000049339	7453.934	-0.06237	0.087041	-0.71659
Vmac	ENSMUSG00000054723	1405.286	-0.37109	0.107515	-3.45149
A330008L1	ENSMUSG00000052479	132.1776	-0.17526	0.145954	-1.20082
Sgsm3	ENSMUSG00000042303	1773.014	-0.01785	0.123148	-0.14498
Gm37515	ENSMUSG000000104377	192.8758	0.019221	0.1253	0.153399
Bfar	ENSMUSG00000022684	1161.306	0.010843	0.078493	0.138135
Cdk14	ENSMUSG00000028926	1259.056	-0.13837	0.135402	-1.0219
Amn1	ENSMUSG00000068250	611.4595	-0.25167	0.10925	-2.30365
Bglap3	ENSMUSG00000074489	42.54635	-0.14046	0.145618	-0.96454
C130026I2	ENSMUSG00000052477	165.5393	-0.11028	0.11157	-0.98846
Traf5	ENSMUSG000000111385	93.16084	0.054225	0.140626	0.385595
Traf5	ENSMUSG00000026637	93.16084	0.054225	0.140626	0.385595
Esco1	ENSMUSG00000024293	968.663	-0.21504	0.069167	-3.10903
C2cd2	ENSMUSG00000045975	1052.102	-0.29075	0.103352	-2.81319
Pias4	ENSMUSG00000004934	977.366	-0.04451	0.090564	-0.49143
Kat14	ENSMUSG00000027425	1324.364	-0.13141	0.078958	-1.66431
MIph	ENSMUSG00000026303	232.8904	-0.1271	0.131999	-0.96291
Wdr73	ENSMUSG00000025722	588.9096	-0.06708	0.076555	-0.87625
Olfr344	ENSMUSG00000096822	55.0573	-0.04245	0.138054	-0.30747
Olfr1192-p	ENSMUSG000000111590	49.37563	-0.04813	0.137019	-0.3513
Pde7a	ENSMUSG00000069094	1075.899	-0.05759	0.117323	-0.4909
Nod1	ENSMUSG00000038058	103.7609	-0.23314	0.133089	-1.75175
Recql	ENSMUSG00000030243	2067.074	-0.11034	0.078788	-1.40045
Psg16	ENSMUSG00000066760	932.8128	-0.09312	0.089712	-1.03799
Gpd1	ENSMUSG00000023019	259.5978	-0.4132	0.119409	-3.46034
Pot1a	ENSMUSG00000029676	720.577	-0.19561	0.101305	-1.93091
Abcb7	ENSMUSG00000031333	1344.105	-0.18319	0.080632	-2.27196
Mphosph6	ENSMUSG00000031843	687.9654	-0.25885	0.075227	-3.44095
Zfp523	ENSMUSG00000024220	1439.312	-0.27038	0.114981	-2.3515
Mtg1	ENSMUSG00000039018	357.3553	-0.16217	0.117567	-1.37938
Rtn4rl1	ENSMUSG00000045287	2078.172	-0.02283	0.123836	-0.18436
Enpp1	ENSMUSG00000037370	92.74018	-0.3939	0.145226	-2.71234
Rasd2	ENSMUSG00000034472	379.5204	-0.48976	0.128284	-3.81778
Cpa6	ENSMUSG00000042501	39.17068	0.004871	0.142585	0.03416
Gm47933	ENSMUSG000000111269	69.00223	0.076081	0.141976	0.535871
Lzic	ENSMUSG00000028990	373.4619	-0.02129	0.102906	-0.20687

BC106179	ENSMUSG00000045231	60.55585	-0.19228	0.138518	-1.3881
Ipmk	ENSMUSG00000060733	1981.272	-0.36697	0.087576	-4.1903
Ercc5	ENSMUSG00000026048	754.7037	-0.04775	0.083049	-0.57494
Neu1	ENSMUSG00000007038	3321.193	-0.21733	0.136478	-1.59239
Bola2	ENSMUSG00000047721	861.9178	-0.0469	0.126054	-0.37209
Pomgnt1	ENSMUSG00000028700	2533.008	-0.32011	0.071979	-4.44728
A730017L2	ENSMUSG00000085566	184.0009	-0.06667	0.131326	-0.50769
Suz12	ENSMUSG00000017548	4369.858	-0.02382	0.123221	-0.19333
Arnt2	ENSMUSG00000015709	355.953	-0.45177	0.121045	-3.73222
Xylt2	ENSMUSG00000020868	317.6433	-0.26289	0.126838	-2.07264
Cdcp1	ENSMUSG00000035498	210.7553	-0.33729	0.127106	-2.65364
Inpp4a	ENSMUSG00000026113	2006.434	0.015156	0.09717	0.155977
Gm16211	ENSMUSG00000086130	192.6573	-0.07051	0.125891	-0.56008
Tmub2	ENSMUSG00000034757	1821.253	-0.30831	0.080994	-3.80656
Mettl8	ENSMUSG00000041975	231.9813	-0.2546	0.101019	-2.52033
Kcnk6	ENSMUSG00000046410	74.26744	-0.26937	0.129683	-2.07717
Zfp511	ENSMUSG00000025470	805.091	0.067815	0.111669	0.607288
Arntl2	ENSMUSG00000040187	74.16299	-0.08111	0.145865	-0.55608
Olfr90	ENSMUSG00000056600	77.74852	0.004109	0.136523	0.0301
Myo1b	ENSMUSG00000018417	1178.01	-0.31187	0.117325	-2.6582
Acad10	ENSMUSG00000029456	141.2831	-0.27035	0.136563	-1.97966
Wdr5	ENSMUSG00000026917	1795.02	-0.05843	0.058023	-1.00694
Krba1	ENSMUSG00000042810	637.882	-0.16402	0.111543	-1.47047
Fgf2	ENSMUSG00000037225	40.30707	-0.11249	0.145995	-0.77048
Olfr161	ENSMUSG00000051003	47.34794	0.015144	0.145705	0.103936
Lrtm2	ENSMUSG00000055003	86.80453	-0.36862	0.136563	-2.69923
1810059H	ENSMUSG000000108207	189.5494	-0.22215	0.107095	-2.07436
1700028E1	ENSMUSG00000097321	43.46217	-0.07029	0.144834	-0.48535
Kctd15	ENSMUSG00000030499	499.7229	-0.1704	0.13755	-1.23881
Tnfrsf10b	ENSMUSG00000022074	60.20683	-0.04809	0.1454	-0.33074
Fam102a	ENSMUSG00000039157	3194.377	-0.30707	0.08252	-3.7212
Tube1	ENSMUSG00000019845	606.1585	-0.22586	0.115356	-1.95797
Fut1	ENSMUSG00000008461	365.4806	-0.02866	0.112533	-0.25466
Gm13722	ENSMUSG00000083594	279.5801	-0.07473	0.106093	-0.70437
Actl6a	ENSMUSG00000027671	2010.501	-0.21753	0.072686	-2.99274
Mmp24	ENSMUSG00000027612	204.1203	-0.53996	0.122733	-4.39952
Psme2	ENSMUSG00000079197	2417.124	0.102283	0.128432	0.796404
Fn3k	ENSMUSG00000025175	281.4538	0.028697	0.134769	0.212938
Chfr	ENSMUSG00000014668	1460.227	-0.34351	0.07717	-4.45132
Klhdc8b	ENSMUSG00000032609	237.2718	-0.45557	0.127201	-3.58147
Pcbp3	ENSMUSG00000001120	2436.509	-0.24178	0.104569	-2.31216
Samd9l	ENSMUSG00000047735	926.2632	0.10564	0.137607	0.767691
Dtnbp1	ENSMUSG00000057531	1737.72	-0.05437	0.092795	-0.5859
Kl	ENSMUSG00000058488	261.8475	-0.26398	0.128947	-2.04722
Amigo2	ENSMUSG00000048218	677.7032	-0.29152	0.095837	-3.04183
Nemp2	ENSMUSG00000043015	496.8764	-0.25576	0.088937	-2.87574
Olfr735	ENSMUSG00000046210	74.70169	-0.09015	0.129747	-0.69479
P2rx4	ENSMUSG00000029470	859.9246	-0.29546	0.093304	-3.16667
Rufy1	ENSMUSG00000020375	1054.572	-0.20317	0.091852	-2.21188
Rfc5	ENSMUSG00000029363	2619.505	-0.03667	0.089183	-0.41122
Col6a6	ENSMUSG00000043719	170.6169	-0.31975	0.144606	-2.21121
Nudcd2	ENSMUSG00000020328	1647.452	0.060835	0.073155	0.831591

Gm10040	ENSMUSG00000058360	599.383	-0.06749	0.118529	-0.56943
Nrip1	ENSMUSG00000048490	460.0344	-0.32935	0.131124	-2.51176
Kyat1	ENSMUSG00000039648	280.8223	-0.0575	0.115591	-0.49742
Usp45	ENSMUSG00000040455	1186.481	-0.07831	0.103974	-0.75319
Casc1	ENSMUSG00000043541	42.36521	-0.21942	0.141427	-1.55147
Actr8	ENSMUSG00000015971	1265.01	-0.2095	0.085272	-2.45684
Mpg	ENSMUSG00000020287	532.8224	-0.31245	0.077346	-4.03969
Igsf11	ENSMUSG00000022790	212.3741	-0.12699	0.094755	-1.34024
Dera	ENSMUSG00000030225	453.7438	-0.09419	0.118457	-0.79512
Calb1	ENSMUSG00000028222	442.0108	-0.10367	0.108892	-0.95203
Hint2	ENSMUSG00000028470	431.6526	-0.03699	0.123551	-0.29938
Dennd6a	ENSMUSG00000040818	1215.649	-0.42679	0.090453	-4.71836
Zfp964	ENSMUSG00000091764	116.4036	-0.03055	0.113485	-0.26923
9930021J0	ENSMUSG00000046138	842.4674	-0.09351	0.138916	-0.67317
Chtf8	ENSMUSG00000046691	5595.219	-0.10039	0.090493	-1.10938
Nipa2	ENSMUSG00000030452	1742.383	-0.06728	0.067841	-0.99181
Armh4	ENSMUSG00000036242	201.9296	-0.29284	0.115653	-2.53209
Abca4	ENSMUSG00000028125	132.6746	-0.28395	0.114647	-2.47675
Ltbp3	ENSMUSG00000024940	1012.311	-0.16699	0.093556	-1.78496
Cadm4	ENSMUSG00000054793	348.691	-0.39756	0.101511	-3.91646
Uqcrfs1	ENSMUSG00000038462	5352.58	0.090484	0.094123	0.961335
2310015A1	ENSMUSG00000097729	271.0339	-0.37163	0.120988	-3.07167
Kdm7a	ENSMUSG00000042599	843.0768	-0.23928	0.122417	-1.95462
A230077H1	ENSMUSG000000100600	44.32773	-0.02128	0.138645	-0.15347
Gm15535	ENSMUSG00000085527	56.09841	-0.08808	0.143388	-0.61427
Gm47103	ENSMUSG000000111472	43.46527	0.073223	0.144409	0.507056
Hs3st5	ENSMUSG00000044499	117.3409	-0.46258	0.128145	-3.60981
Gm13613	ENSMUSG00000086819	48.64097	-0.033	0.145885	-0.2262
Napg	ENSMUSG00000024581	1511.546	-0.14744	0.084521	-1.74441
Slc35e4	ENSMUSG00000048807	1295.619	-0.05937	0.087815	-0.67604
Smad3	ENSMUSG00000032402	59.85062	-0.29138	0.144676	-2.01403
Fam96a	ENSMUSG00000032381	1484.239	-0.095	0.089291	-1.06389
Gm42669	ENSMUSG000000106631	133.8219	0.105605	0.129812	0.81352
Mia2	ENSMUSG00000021000	3775.885	-0.20523	0.078431	-2.61668
Plcb1	ENSMUSG00000051177	538.8105	-0.10697	0.107069	-0.99908
Mrpl46	ENSMUSG00000030612	875.294	-0.05766	0.116346	-0.49561
Tef	ENSMUSG00000022389	1877.439	-0.21012	0.09532	-2.20435
Hsd12	ENSMUSG00000028383	934.9329	-0.06444	0.067181	-0.95927
Rpgrip1l	ENSMUSG00000033282	490.7888	-0.14668	0.131183	-1.11814
Oaz2	ENSMUSG00000040652	3123.527	-0.0142	0.06904	-0.20568
Gm21897	ENSMUSG00000094472	210.2751	0.032171	0.133737	0.240552
Zfp217	ENSMUSG00000052056	162.5122	-0.43233	0.112535	-3.84172
Ppp3ca	ENSMUSG00000028161	1763.364	-0.13139	0.102108	-1.28682
Wdr54	ENSMUSG00000030032	589.0369	-0.13198	0.118476	-1.11397
Eif4a3	ENSMUSG00000025580	4592.124	0.002678	0.097889	0.027355
Lamb1	ENSMUSG00000002900	107.9815	-0.07805	0.145704	-0.53566
Gmpr	ENSMUSG00000000253	1877.969	0.005951	0.144905	0.04107
Srrm3	ENSMUSG00000039860	862.4184	-0.17986	0.085557	-2.10222
Ears2	ENSMUSG00000030871	282.9819	-0.13067	0.112961	-1.15674
Kif1a	ENSMUSG00000014602	964.2436	0.070221	0.127362	0.551353
Kcnc3	ENSMUSG00000062785	1380.092	-0.13231	0.12945	-1.02212
3000002C1	ENSMUSG00000070282	250.3399	-0.10209	0.119521	-0.85412

Tmtc2	ENSMUSG00000036019	705.6458	-0.48897	0.110927	-4.408
Ctbp2	ENSMUSG00000030970	112.2759	-0.24933	0.113052	-2.20543
Mcfd2	ENSMUSG00000024150	1899.149	-0.39869	0.122417	-3.25682
Rif1	ENSMUSG00000036202	2100.983	-0.00385	0.103569	-0.03718
Msi1	ENSMUSG00000054256	99.61012	-0.34476	0.129373	-2.66484
F8a	ENSMUSG00000078317	1216.775	-0.16736	0.102276	-1.63633
Ccl28	ENSMUSG00000074715	382.392	-0.36567	0.144995	-2.52197
Parp14	ENSMUSG00000034422	243.9575	-0.30873	0.132476	-2.33046
Gm45899	ENSMUSG000000110693	107.6722	-0.0265	0.142765	-0.18563
Zfp820	ENSMUSG00000069743	175.5463	-0.1447	0.121443	-1.19151
Brat1	ENSMUSG00000000148	794.4821	-0.15804	0.069054	-2.28863
Rab13	ENSMUSG00000022827	336.9219	-0.11692	0.13289	-0.87979
2210408F2	ENSMUSG00000087380	333.0388	0.179091	0.128641	1.392175
Smurf1	ENSMUSG00000038780	439.6446	-0.28775	0.077031	-3.73552
Sinhcaf	ENSMUSG00000039985	652.3936	-0.27709	0.127352	-2.1758
Sumo1	ENSMUSG00000026021	3503.107	-0.06936	0.078461	-0.88401
Mocs1	ENSMUSG00000064120	209.5425	-0.14467	0.117643	-1.22978
C2cd4c	ENSMUSG00000045912	1269.256	-0.22717	0.077043	-2.94862
Hapln4	ENSMUSG00000007594	3473.779	-0.28311	0.112878	-2.50811
Arhgap26	ENSMUSG00000036452	562.8856	-0.02947	0.091713	-0.32131
Plxna2	ENSMUSG00000026640	523.3044	-0.14334	0.105509	-1.35853
Vwa5b1	ENSMUSG00000028753	261.3696	-0.3269	0.092993	-3.51535
Jph3	ENSMUSG00000025318	334.3523	-0.31274	0.13781	-2.26936
Eml1	ENSMUSG00000058070	1725.957	-0.09339	0.068729	-1.35887
Ltbp4	ENSMUSG00000040488	367.232	-0.13894	0.145983	-0.95174
Zbtb7a	ENSMUSG00000035011	1743.517	-0.24777	0.109512	-2.26247
Ppm1k	ENSMUSG00000037826	285.3757	-0.29022	0.117587	-2.46813
Nudt6	ENSMUSG00000050174	96.441	-0.16953	0.130992	-1.29423
Chmp6	ENSMUSG00000025371	924.3265	-0.15098	0.106549	-1.41705
Pxn	ENSMUSG00000029528	660.206	-0.31773	0.106189	-2.99208
Trex1	ENSMUSG00000049734	240.9525	0.058029	0.130484	0.444723
Pkia	ENSMUSG00000027499	1247.873	-0.07175	0.115369	-0.62192
Gm47932	ENSMUSG000000111696	46.93412	-0.07433	0.145616	-0.51046
Pou6f1	ENSMUSG00000009739	198.2748	-0.45141	0.14087	-3.20444
Nol4l	ENSMUSG00000061411	228.06	-0.16548	0.14148	-1.16967
Scml2	ENSMUSG00000000037	337.6802	-0.27055	0.137299	-1.97051
Vasn	ENSMUSG00000039646	940.6494	-0.04573	0.130034	-0.35166
Gtf2h5	ENSMUSG00000034345	2150.548	0.172266	0.101448	1.698076
Olfr648	ENSMUSG00000042909	369.8685	-0.20411	0.128642	-1.58669
Maip1	ENSMUSG00000025971	607.9354	-0.03906	0.090539	-0.43141
Stxbp6	ENSMUSG00000046314	60.14252	-0.21958	0.145856	-1.50547
Jade2	ENSMUSG00000020387	1225.514	-0.20925	0.098199	-2.13089
Anks1b	ENSMUSG00000058589	312.151	-0.33972	0.135331	-2.51027
Gabra4	ENSMUSG00000029211	58.48002	-0.3332	0.14106	-2.36214
Lpin3	ENSMUSG00000027412	432.5905	-0.25721	0.10036	-2.56287
Fbxl17	ENSMUSG00000023965	1569.665	-0.17454	0.081986	-2.12889
Azin2	ENSMUSG00000028789	206.541	-0.30236	0.134478	-2.24843
Olfr1028	ENSMUSG00000057207	40.69456	0.042972	0.145502	0.295339
Eef2k	ENSMUSG00000035064	275.1495	-0.36856	0.144592	-2.54895
Zfp12	ENSMUSG00000029587	873.0764	-0.06996	0.101922	-0.68642
Slc17a7	ENSMUSG00000070570	452.0963	-0.2638	0.127904	-2.06252
Olfr767	ENSMUSG00000059762	40.5003	0.042101	0.141907	0.296679

Col18a1	ENSMUSG00000001435	124.3644	-0.03969	0.144547	-0.27457
Gm26905	ENSMUSG000000097695	1995.629	0.028637	0.105735	0.270837
Kctd13	ENSMUSG000000030685	1459.193	-0.1163	0.134098	-0.86727
Tctn1	ENSMUSG000000038593	496.2823	-0.28051	0.108924	-2.57528
Wasl	ENSMUSG000000029684	2094.869	-0.11676	0.098756	-1.18226
At1l	ENSMUSG000000021066	164.5113	-0.0916	0.113531	-0.80684
Thoc3	ENSMUSG000000025872	2109.907	0.065844	0.06304	1.044483
Kitl	ENSMUSG000000019966	122.1041	-0.33122	0.143987	-2.30037
C130074G	ENSMUSG000000039349	286.6043	-0.41735	0.133035	-3.13712
1110065P2	ENSMUSG000000078570	1584.887	-0.02639	0.114405	-0.23064
4933439C1	ENSMUSG000000072893	423.0925	-0.27776	0.118003	-2.35381
Zbtb9	ENSMUSG000000079605	385.7654	-0.33159	0.102066	-3.24877
Csad	ENSMUSG000000023044	476.7985	-0.22222	0.092032	-2.41455
Invs	ENSMUSG000000028344	723.1251	-0.06083	0.065099	-0.93434
Cltb	ENSMUSG000000047547	6128.949	0.028623	0.084837	0.337394
Ocln	ENSMUSG000000021638	137.7507	-0.34967	0.139807	-2.50108
Vcan	ENSMUSG000000021614	42.50914	-0.07376	0.130846	-0.5637
Sestd1	ENSMUSG000000042272	331.3079	-0.35863	0.091777	-3.90769
Jarid2	ENSMUSG000000038518	1311.555	-0.17321	0.10106	-1.7139
Gm42857	ENSMUSG000000106924	218.5873	-0.00517	0.111208	-0.0465
Arid2	ENSMUSG000000033237	1669.913	-0.16741	0.076714	-2.18224
Shroom3	ENSMUSG000000029381	501.342	-0.01766	0.119493	-0.14778
Fuk	ENSMUSG000000033703	683.8772	-0.1334	0.091089	-1.46446
Id1	ENSMUSG000000042745	3015.014	0.134076	0.139062	0.964149
Ovgp1	ENSMUSG000000074340	62.87225	-0.05407	0.129025	-0.41909
Cfap45	ENSMUSG000000026546	58.07836	0.030926	0.144689	0.213743
Vash1	ENSMUSG000000021256	317.094	-0.22495	0.133526	-1.68465
Gadd45g	ENSMUSG000000021453	1516.785	-0.25242	0.107314	-2.3522
Tyk2	ENSMUSG000000032175	694.3571	-0.31929	0.071811	-4.44626
Sema6c	ENSMUSG000000038777	65.62946	-0.36451	0.143431	-2.54139
Mamdc4	ENSMUSG000000026941	113.0045	-0.04552	0.144819	-0.31431
Eif1ad	ENSMUSG000000024841	1851.094	-0.2446	0.072333	-3.38156
Rfx3	ENSMUSG000000040929	565.4242	-0.16079	0.12967	-1.24002
Mgat4a	ENSMUSG000000026110	213.2381	-0.23833	0.13094	-1.82013
Gprin1	ENSMUSG000000069227	1787.646	-0.14239	0.088103	-1.61616
Stk24	ENSMUSG000000063410	1138.148	-0.1949	0.098114	-1.98646
Ddr1	ENSMUSG000000003534	5149.514	0.035564	0.049725	0.715216
Apmap	ENSMUSG000000033096	964.3885	-0.42609	0.089091	-4.78264
Zfp61	ENSMUSG000000050605	583.8689	-0.19746	0.088782	-2.22414
Fras1	ENSMUSG000000034687	840.1737	-0.16861	0.138511	-1.21731
Mgat3	ENSMUSG000000042428	743.7812	-0.09397	0.075914	-1.23779
Akap17b	ENSMUSG000000059708	166.7987	-0.17371	0.125378	-1.38547
Adh5	ENSMUSG000000028138	3357.079	0.041374	0.083915	0.493044
Wdr31	ENSMUSG000000028391	664.0243	-0.05896	0.085727	-0.68773
Vangl1	ENSMUSG000000027860	299.0672	-0.25551	0.124208	-2.05711
Cntrl	ENSMUSG000000057110	881.7599	-0.16035	0.084067	-1.90739
Abl2	ENSMUSG000000026596	917.146	-0.07221	0.103312	-0.69896
D130017N	ENSMUSG000000097287	414.4577	-0.2756	0.10445	-2.63858
Prmt3	ENSMUSG000000030505	1493.713	-0.05828	0.084807	-0.68715
Gm43062	ENSMUSG000000104671	49.9281	-0.15848	0.139378	-1.13708
Fbxw4	ENSMUSG000000040913	581.0216	-0.09744	0.137478	-0.70873
Gm7967	ENSMUSG000000100009	67.00645	-0.01172	0.145509	-0.08056

Mllt10	ENSMUSG00000026743	1389.896	-0.096	0.118193	-0.81222
Mrc2	ENSMUSG00000020695	848.3352	-0.11411	0.129297	-0.88252
Ptp4a3	ENSMUSG00000059895	1588.018	-0.40415	0.081522	-4.95755
Olfr639	ENSMUSG00000066263	136.1937	-0.0619	0.110633	-0.55946
B9d1	ENSMUSG00000001039	879.0743	-0.04997	0.107671	-0.46408
Mapk12	ENSMUSG00000022610	393.0466	-0.38549	0.11796	-3.26793
Pappa2	ENSMUSG00000073530	4729.825	0.008532	0.135218	0.063097
Ncam2	ENSMUSG00000022762	113.9043	-0.24533	0.133057	-1.84379
Osbpl9	ENSMUSG00000028559	2065.949	-0.02883	0.086047	-0.33509
Tc2n	ENSMUSG00000021187	165.4587	0.047985	0.135197	0.354929
Al838599	ENSMUSG00000085180	48.64867	-0.06157	0.14468	-0.42558
Cmah	ENSMUSG00000016756	299.0687	0.162721	0.127008	1.281188
Kcnn1	ENSMUSG00000111706	65.02158	-0.2654	0.145987	-1.81798
D17H6S53	ENSMUSG00000043311	270.2183	-0.06773	0.13619	-0.49729
Phc2	ENSMUSG00000028796	3494.209	-0.13736	0.069087	-1.98818
Satb1	ENSMUSG00000023927	601.02	-0.53686	0.128987	-4.16213
Gm38246	ENSMUSG00000103464	394.5788	0.121246	0.120689	1.004616
Dock2	ENSMUSG00000020143	121.6423	-0.17339	0.145901	-1.18843
Entpd7	ENSMUSG00000025192	849.2526	-0.00332	0.09482	-0.03501
Nxph1	ENSMUSG00000046178	429.7136	-0.48558	0.124181	-3.91024
Bivm	ENSMUSG00000041684	583.9123	-0.21214	0.095068	-2.23144
Ninj1	ENSMUSG00000037966	2382.035	-0.06533	0.14152	-0.46164
Ndnf	ENSMUSG00000049001	239.9554	-0.18434	0.141275	-1.30481
Focad	ENSMUSG00000038368	735.1002	0.125505	0.107059	1.172299
Tle1	ENSMUSG00000008305	2819.802	-0.09544	0.098191	-0.97195
Tspan17	ENSMUSG00000025875	505.5146	-0.23856	0.144856	-1.64687
2810402E2	ENSMUSG00000099966	368.2094	-0.19246	0.135715	-1.41812
Gm28370	ENSMUSG00000099478	237.8265	-0.00795	0.105016	-0.07572
Eml6	ENSMUSG00000044072	631.8468	-0.24396	0.1247	-1.95634
Cyb5r4	ENSMUSG00000032872	2097.71	-0.30953	0.106933	-2.89459
Entpd4b	ENSMUSG00000022066	998.6314	-0.43552	0.088509	-4.92067
Gm48128	ENSMUSG00000111551	766.4607	-0.01805	0.129281	-0.13963
Nsmaf	ENSMUSG00000028245	1371.801	0.023534	0.089422	0.263173
Snx19	ENSMUSG00000031993	1716.423	-0.12009	0.085243	-1.40883
Csmd3	ENSMUSG00000022311	41.73436	-0.26484	0.144826	-1.82869
Papolg	ENSMUSG00000020273	328.5494	-0.14368	0.094979	-1.51273
Slc24a3	ENSMUSG00000063873	514.7956	-0.38665	0.100857	-3.83365
Mlst8	ENSMUSG00000024142	1316.868	-0.14251	0.072821	-1.95698
Slc35a1	ENSMUSG00000028293	935.578	-0.38435	0.071806	-5.35262
Gm48401	ENSMUSG00000111327	185.556	-0.01573	0.126618	-0.1242
Rabgap1l	ENSMUSG00000026721	578.023	-0.1095	0.096841	-1.13074
Olfr986	ENSMUSG00000051095	191.7215	-0.05077	0.107675	-0.47148
Zc3h10	ENSMUSG00000039810	965.495	-0.19922	0.120768	-1.64961
Limk1	ENSMUSG00000029674	776.7266	-0.06017	0.10284	-0.58508
Gm20300	ENSMUSG00000111080	1383.961	-0.04116	0.103501	-0.39765
Alkbh5	ENSMUSG00000042650	5997.921	-0.12248	0.14378	-0.85188
Galnt13	ENSMUSG00000060988	112.6632	-0.31799	0.129404	-2.45732
Stard9	ENSMUSG00000033705	119.2792	-0.10606	0.140075	-0.75717
Gm45090	ENSMUSG00000108845	422.2131	-0.13768	0.129152	-1.06601
Cln5	ENSMUSG00000022125	1436.483	-0.15402	0.120794	-1.27503
Sstr3	ENSMUSG00000044933	2461.032	-0.13936	0.065565	-2.1255
Zkscan2	ENSMUSG00000030757	483.5083	-0.17618	0.100408	-1.75467

Golm1	ENSMUSG00000021556	896.3397	-0.42413	0.095111	-4.45928
Nxpe3	ENSMUSG00000075033	161.784	-0.24617	0.106619	-2.30884
Crocc	ENSMUSG00000040860	1531.568	0.014047	0.108618	0.129325
Lgalsl	ENSMUSG00000042363	360.0284	-0.38369	0.11943	-3.21266
Gm37724	ENSMUSG00000102917	220.9578	0.036727	0.118518	0.309883
Accs	ENSMUSG00000040272	249.9194	-0.22096	0.122825	-1.79899
Kmt2e	ENSMUSG00000029004	2236.592	-0.17565	0.123795	-1.41887
Gm15675	ENSMUSG00000086825	55.5196	-0.11759	0.138182	-0.85101
Fbxo22	ENSMUSG00000032309	1262.693	-0.02687	0.080651	-0.33314
Zbtb48	ENSMUSG00000028952	555.2516	0.009661	0.115901	0.083357
Atl2	ENSMUSG00000059811	1474.15	-0.23398	0.091815	-2.54835
Chchd4	ENSMUSG00000034203	958.8473	-0.0744	0.089074	-0.83526
Gm45792	ENSMUSG00000108884	95.5519	-0.04531	0.126353	-0.35857
R3hdm2	ENSMUSG00000025404	3954.779	-0.0935	0.088926	-1.05145
Gabbr1	ENSMUSG00000024462	459.3066	-0.3644	0.100094	-3.64062
Bap1	ENSMUSG00000021901	3175.382	-0.15488	0.076884	-2.01439
Cyb561d1	ENSMUSG00000048796	600.417	-0.27324	0.102562	-2.66412
Slc2a6	ENSMUSG00000036067	390.1085	-0.21147	0.100105	-2.11251
Mre11a	ENSMUSG00000031928	1081.397	0.124578	0.082418	1.511535
Mrps26	ENSMUSG00000037740	1280.692	-0.08555	0.109546	-0.78095
A330044P	ENSMUSG00000093385	39.02965	0.092294	0.145272	0.635318
Kcnh2	ENSMUSG00000038319	2147.845	-0.13762	0.085073	-1.61764
Glt8d1	ENSMUSG00000021916	1805.629	-0.23042	0.070568	-3.26526
Fgd4	ENSMUSG00000022788	675.7495	0.108905	0.107033	1.017495
Ces2f	ENSMUSG00000062826	47.62762	0.067369	0.142251	0.473589
Sp6	ENSMUSG00000038560	179.0994	-0.36933	0.123912	-2.98054
Zbtb37	ENSMUSG00000043467	454.5115	-0.05774	0.123881	-0.46608
Tfam	ENSMUSG00000003923	1840.286	0.010246	0.096412	0.106277
Krt18	ENSMUSG00000023043	432.6258	-0.20873	0.13573	-1.53787
Trp53rkb	ENSMUSG00000042854	213.453	-0.10325	0.11525	-0.89591
Coq2	ENSMUSG00000029319	1637.423	-0.28009	0.112839	-2.4822
Cuedc1	ENSMUSG00000018378	131.6861	-0.24298	0.146007	-1.66414
Gin1	ENSMUSG00000026333	360.3061	-0.08785	0.11062	-0.79415
Retreg3	ENSMUSG00000017802	3495.213	-0.23166	0.112827	-2.05328
Zfp821	ENSMUSG00000031728	906.3295	-0.13171	0.088738	-1.48426
Axin1	ENSMUSG00000024182	2031.22	0.016905	0.085838	0.196941
Tstd3	ENSMUSG00000028251	367.8041	-0.10692	0.12575	-0.85026
Gnat2	ENSMUSG00000009108	162.86	-0.28676	0.134093	-2.13851
Fez1	ENSMUSG00000032118	322.3559	-0.11504	0.121292	-0.94843
Tmem268	ENSMUSG00000045917	279.1658	-0.30517	0.133877	-2.27948
Kcnn1	ENSMUSG00000002908	65.02158	-0.2654	0.145987	-1.81798
Olfr46	ENSMUSG000000093942	113.7655	0.107031	0.120406	0.888916
Slit2	ENSMUSG00000031558	53.8859	-0.35351	0.140434	-2.51725
Mreg	ENSMUSG00000039395	1023.718	-0.27715	0.145785	-1.90109
Dtx4	ENSMUSG00000039982	85.56723	-0.31363	0.139626	-2.24624
Gm32856	ENSMUSG00000110605	195.1454	-0.06142	0.112818	-0.54442
Fam131b	ENSMUSG00000029861	130.7807	-0.41514	0.143811	-2.88671
Tesc	ENSMUSG00000029359	386.1243	-0.41993	0.124624	-3.3696
Ints7	ENSMUSG00000037461	1411.971	-0.00688	0.069234	-0.09937
Ifnar2	ENSMUSG00000022971	1111.688	-0.22116	0.10945	-2.02065
Cbs	ENSMUSG00000024039	5386.702	0.201182	0.077432	2.59818
Rnaseh1	ENSMUSG00000020630	523.2739	-0.14278	0.096967	-1.47242

Exd2	ENSMUSG00000032705	687.7092	-0.10661	0.070087	-1.5211
6030443J0	ENSMUSG00000097207	37.29163	-0.02024	0.145827	-0.1388
Arhgap31	ENSMUSG00000022799	396.0137	-0.09048	0.102618	-0.88167
Csf2ra	ENSMUSG00000059326	506.3986	-0.19285	0.109014	-1.769
Mir99ahg	ENSMUSG00000090386	47.40739	0.036602	0.143356	0.255321
Mthfr	ENSMUSG00000029009	575.771	0.029363	0.144539	0.203151
Cebpd	ENSMUSG00000071637	179.2141	-0.29429	0.134908	-2.18139
Uggt2	ENSMUSG00000042104	357.5363	-0.06589	0.114481	-0.57559
Pyroxd1	ENSMUSG00000041671	477.3316	-0.22965	0.119713	-1.91832
Usp2	ENSMUSG00000032010	170.5851	-0.29278	0.141962	-2.06236
Rbm7	ENSMUSG00000042396	1246.213	-0.19759	0.095016	-2.07958
Pld5	ENSMUSG00000055214	82.07579	-0.28264	0.125677	-2.24894
Eef2kmt	ENSMUSG00000022544	321.0083	-0.24851	0.091871	-2.70497
Isg20l2	ENSMUSG00000048039	864.396	-0.26585	0.081763	-3.25144
Timeless	ENSMUSG00000039994	1524.406	0.024357	0.090385	0.269485
Pdk1	ENSMUSG00000006494	4108.499	-0.04611	0.11116	-0.41482
Mark2	ENSMUSG00000024969	2750.387	-0.14284	0.099904	-1.42976
Mmp17	ENSMUSG00000029436	79.10163	-0.37658	0.141713	-2.65738
Gm45518	ENSMUSG00000110368	53.11714	-0.05591	0.143398	-0.38987
Orc2	ENSMUSG00000026037	2264.727	-0.09136	0.07626	-1.19795
Ccl25	ENSMUSG00000023235	151.0275	-0.25568	0.12567	-2.03452
Susd1	ENSMUSG00000038578	592.8845	-0.23016	0.096175	-2.39319
Fam114a2	ENSMUSG00000020523	2130.82	-0.23106	0.099633	-2.31914
Armc7	ENSMUSG00000057219	175.898	-0.07593	0.110001	-0.69024
Peli1	ENSMUSG00000020134	612.1244	-0.19101	0.105048	-1.81833
Slc25a15	ENSMUSG00000031482	422.1879	-0.31649	0.098968	-3.19789
Gcn1l1	ENSMUSG00000041638	4049.813	0.089692	0.077445	1.158128
Pxdn	ENSMUSG00000020674	1362.937	-0.36127	0.127953	-2.82347
Spock3	ENSMUSG00000054162	185.6747	-0.25461	0.141432	-1.8002
Pros1	ENSMUSG00000022912	239.7242	-0.43419	0.111705	-3.88692
Ptpn13	ENSMUSG00000034573	246.6236	-0.04205	0.14601	-0.28803
Ier2	ENSMUSG00000053560	874.072	-0.19796	0.125981	-1.57137
Cutc	ENSMUSG00000025193	250.7981	-0.2276	0.129348	-1.75958
St3gal6	ENSMUSG00000022747	136.5627	-0.15614	0.128777	-1.21251
4632411P0	ENSMUSG00000097561	90.64712	0.004596	0.128012	0.0359
Ppp1r26	ENSMUSG00000035829	873.0499	-0.14554	0.0975	-1.4927
Atp8b1	ENSMUSG00000039529	3221.431	-0.0305	0.090122	-0.33848
Psmg3	ENSMUSG00000029551	539.4811	-0.09285	0.106229	-0.87405
Crif1	ENSMUSG00000007888	329.9047	-0.16102	0.128858	-1.24956
Mterf1a	ENSMUSG00000040429	145.1866	-0.12605	0.122794	-1.0265
Pikfyve	ENSMUSG00000025949	1130.292	-0.03048	0.097744	-0.31185
Cdc42se1	ENSMUSG00000046722	1263.281	-0.16314	0.076038	-2.1455
Sgms2	ENSMUSG00000050931	1507.814	-0.14911	0.103362	-1.44262
Ott	ENSMUSG00000094885	73.20294	-0.13241	0.145993	-0.90696
Napa	ENSMUSG00000006024	10227.43	-0.0236	0.058882	-0.40073
Usp30	ENSMUSG00000029592	1036.319	-0.06791	0.087274	-0.77816
AW822252	ENSMUSG00000085998	63.73518	-0.00924	0.144975	-0.06372
Slc25a23	ENSMUSG00000046329	1423.008	-0.23253	0.111841	-2.07909
Smyd5	ENSMUSG00000033706	789.5398	0.052131	0.07815	0.66706
Kdm5d	ENSMUSG00000056673	69.51663	-0.0367	0.131927	-0.27818
Abcc4	ENSMUSG00000032849	941.3649	-0.29394	0.109712	-2.6792
Pot1b	ENSMUSG00000024174	116.8334	-0.01362	0.111226	-0.12245

Pot1b	ENSMUSG00000098835	116.8334	-0.01362	0.111226	-0.12245
Gtf2e2	ENSMUSG00000031585	2377.104	0.001349	0.101318	0.013319
Sult4a1	ENSMUSG00000018865	1309.329	-0.12996	0.118709	-1.09482
E130311K1	ENSMUSG00000048581	88.17119	-0.34217	0.141806	-2.41296
Gm44821	ENSMUSG000000109540	55.17433	-0.04571	0.13671	-0.33435
Rgs7bp	ENSMUSG00000021719	376.4294	-0.33199	0.10136	-3.27533
Gm17733	ENSMUSG00000097486	143.7019	-0.03243	0.121607	-0.26671
Rad17	ENSMUSG00000021635	1358.64	-0.02317	0.072592	-0.31913
Zscan29	ENSMUSG00000050619	780.9831	-0.20103	0.090889	-2.21181
Dock10	ENSMUSG00000038608	373.4518	-0.32715	0.106693	-3.06626
Tmem168	ENSMUSG00000029569	821.2	-0.21227	0.07638	-2.77909
Cdk18	ENSMUSG00000026437	351.5423	-0.20038	0.107053	-1.87177
Cfb	ENSMUSG00000090231	338.8364	-0.41269	0.120359	-3.42884
L1cam	ENSMUSG00000031391	501.0173	-0.36435	0.132025	-2.75973
Psrc1	ENSMUSG00000068744	676.7498	-0.13402	0.091169	-1.47
Pcsk1n	ENSMUSG00000039278	8711.992	-0.11605	0.126444	-0.91783
Pdzd2	ENSMUSG00000022197	60.09182	0.070116	0.140775	0.49807
Ccdc92	ENSMUSG00000037979	2583.208	-0.08857	0.070585	-1.25483
Aph1a	ENSMUSG00000015750	2639.686	-0.16019	0.065672	-2.43929
Plekho1	ENSMUSG00000015745	187.4796	-0.26378	0.112278	-2.34935
Parp8	ENSMUSG00000021725	1204.303	-0.07965	0.094922	-0.83906
Samd14	ENSMUSG00000047181	2165.629	-0.12074	0.110145	-1.09623
Fyco1	ENSMUSG00000025241	473.723	-0.25515	0.10804	-2.36164
Poc1b	ENSMUSG00000019952	378.9708	-0.29048	0.117334	-2.47564
Gm39465	ENSMUSG00000111389	41.63607	-0.1596	0.145115	-1.09978
Rab31	ENSMUSG00000056515	845.2337	-0.34572	0.084868	-4.07361
Atp5j	ENSMUSG00000022890	9218.997	0.109052	0.093853	1.161945
Gm15559	ENSMUSG00000086401	47.8358	-0.12085	0.13981	-0.86439
Srgap3	ENSMUSG00000030257	50.63285	-0.19231	0.145947	-1.31768
Colgalt1	ENSMUSG00000034807	3875.78	-0.29201	0.117323	-2.48891
B4galnt4	ENSMUSG00000055629	432.3699	-0.04316	0.094005	-0.45911
Apc2	ENSMUSG00000020135	813.8511	0.101182	0.113764	0.889401
Ankle1	ENSMUSG00000046295	701.4576	-0.20852	0.105158	-1.98297
Cndp2	ENSMUSG00000024644	631.2642	-0.15836	0.135843	-1.16577
Nudt5	ENSMUSG00000025817	3095.147	-0.25278	0.072656	-3.4791
Txn14b	ENSMUSG00000031723	492.1984	-0.23343	0.097769	-2.38757
Eif2ak3	ENSMUSG00000031668	1767.409	-0.05336	0.130624	-0.40849
Erap1	ENSMUSG00000021583	1010.095	-0.27759	0.110872	-2.50365
1110038F1	ENSMUSG00000063236	493.898	-0.26907	0.102341	-2.62912
Olfr1173	ENSMUSG00000075132	79.61827	-0.05096	0.140424	-0.36293
Lin28a	ENSMUSG00000050966	58.64821	-0.09716	0.133948	-0.72536
Asph	ENSMUSG00000028207	2866.457	-0.19333	0.069165	-2.7952
Gm16249	ENSMUSG00000084949	64.44583	-0.0185	0.13959	-0.13252
Pisd-ps2	ENSMUSG00000023795	136.3514	-0.06848	0.112537	-0.60852
Zfp974	ENSMUSG00000070709	253.4148	0.015636	0.120574	0.129679
Olfr1336	ENSMUSG00000048620	118.9187	0.037524	0.117435	0.31953
Dll4	ENSMUSG00000027314	80.84165	-0.17187	0.144453	-1.18977
Gpc1	ENSMUSG00000034220	1635.77	-0.29296	0.089779	-3.2631
Gtf2h3	ENSMUSG00000029387	747.2524	-0.27633	0.095863	-2.8825
Col20a1	ENSMUSG00000016356	1182.991	-0.12508	0.140949	-0.88744
Zscan2	ENSMUSG00000038797	173.6685	-0.2029	0.125602	-1.61544
Esrp2	ENSMUSG00000084128	212.6584	-0.16047	0.130516	-1.22952

Fam53b	ENSMUSG00000030956	301.0089	-0.19503	0.131636	-1.48158
Scn9a	ENSMUSG00000075316	569.0286	-0.16878	0.135129	-1.24902
Nifk	ENSMUSG00000026377	1239.158	-0.10102	0.079169	-1.27596
Tacr3	ENSMUSG00000028172	170.0327	-0.54424	0.13877	-3.92191
H2-Q4	ENSMUSG00000035929	1643.398	-0.19145	0.121913	-1.57039
Mrpl48	ENSMUSG00000030706	1592.322	0.039549	0.105256	0.375743
Nfya	ENSMUSG00000023994	972.5527	-0.08443	0.09804	-0.86116
Foxp4	ENSMUSG00000023991	1742.998	-0.08631	0.075695	-1.14021
Ap5m1	ENSMUSG00000036291	452.6151	-0.25747	0.100136	-2.57118
Rab11fip4	ENSMUSG00000017639	241.4144	-0.34816	0.132056	-2.63646
St6galnac2	ENSMUSG00000057286	137.0956	-0.14561	0.133284	-1.09249
Gm9864	ENSMUSG00000052005	729.7311	-0.00229	0.144634	-0.01584
Urgcp	ENSMUSG00000049680	1879.017	0.076409	0.073339	1.041861
Thap3	ENSMUSG00000039759	319.685	-0.12744	0.095516	-1.33427
Senp7	ENSMUSG00000052917	843.3121	-0.05822	0.085403	-0.68172
Vash2	ENSMUSG00000037568	52.11482	-0.40844	0.136298	-2.9967
Ap5z1	ENSMUSG00000039623	608.0376	-0.23476	0.098552	-2.38206
Ccdc82	ENSMUSG00000079084	1100.253	-0.01718	0.08759	-0.19609
Adgrv1	ENSMUSG00000069170	439.511	-0.10737	0.118974	-0.90246
Zdhhc1	ENSMUSG00000039199	696.1886	-0.27865	0.090304	-3.08573
Gpr37	ENSMUSG00000039904	38.78378	0.125281	0.14594	0.858441
Mgat1	ENSMUSG00000020346	1221.343	0.077082	0.088501	0.870973
Lrrc56	ENSMUSG00000038637	723.048	-0.19458	0.071024	-2.73961
Ier5	ENSMUSG00000056708	943.349	-0.187	0.076239	-2.45285
Zbtb4	ENSMUSG00000018750	1539.087	-0.19242	0.087175	-2.20732
Ppp1r12c	ENSMUSG00000019254	2829.049	0.052011	0.075765	0.686481
Rnf135	ENSMUSG00000020707	188.5159	-0.14017	0.1153	-1.21568
Txlna	ENSMUSG00000053841	5194.861	0.066677	0.080569	0.827574
Odf2	ENSMUSG00000026790	1982.723	-0.2317	0.069053	-3.35538
Gsdmd	ENSMUSG00000022575	135.4745	-0.3062	0.108974	-2.8098
Cep112it	ENSMUSG00000085811	214.1605	0.025568	0.126507	0.202105
Mturn	ENSMUSG00000038065	554.9902	-0.12791	0.137638	-0.92932
Gm42742	ENSMUSG000000107068	1689.088	-0.16534	0.120521	-1.37186
Zfp940	ENSMUSG00000050855	176.1117	-0.17998	0.133862	-1.34454
Cacnb1	ENSMUSG00000020882	186.4248	-0.30561	0.137357	-2.22493
Igsf9	ENSMUSG00000037995	300.4721	-0.19418	0.138314	-1.40393
Rhebl1	ENSMUSG00000023755	228.2601	-0.0588	0.122162	-0.48134
C2cd4a	ENSMUSG00000047990	430.4933	-0.08603	0.140495	-0.61237
Pald1	ENSMUSG00000020092	339.8365	-0.07181	0.10129	-0.70894
Tpp1	ENSMUSG00000030894	3549.24	-0.24593	0.140464	-1.75085
Wdr55	ENSMUSG00000042660	621.7738	-0.14887	0.089623	-1.66108
Rbm6	ENSMUSG00000032582	1974.136	0.031699	0.07085	0.44741
Cacng8	ENSMUSG000000106728	38.77098	-0.35162	0.13978	-2.5155
Rptor	ENSMUSG00000025583	1674.185	0.031966	0.079066	0.404288
Etv4	ENSMUSG00000017724	181.647	-0.30838	0.135424	-2.27714
Usp47	ENSMUSG00000059263	3273.423	0.004951	0.071508	0.06923
Grk1	ENSMUSG00000031450	93.9044	-0.02655	0.130371	-0.20361
Tma16	ENSMUSG00000025591	432.8741	-0.02047	0.087532	-0.23388
Klf13	ENSMUSG00000052040	1960.102	-0.12121	0.131146	-0.92423
Plekha7	ENSMUSG00000045659	360.8926	-0.20888	0.112678	-1.85381
Zfand2a	ENSMUSG00000053581	2207.422	-0.05332	0.142604	-0.37392
Cbfa2t2	ENSMUSG00000038533	1188.728	0.083129	0.078411	1.06018

Usp3	ENSMUSG00000032376	875.1651	-0.20081	0.108197	-1.85597
Lats2	ENSMUSG00000021959	108.8504	-0.15882	0.145604	-1.09075
Ube2g1	ENSMUSG00000020794	1153.888	-0.21481	0.095128	-2.25807
4933427J0	ENSMUSG000000087267	37.85422	0.042322	0.144901	0.292073
Zdhhc18	ENSMUSG000000037553	1456.164	-0.0922	0.111694	-0.82546
Ndufb8	ENSMUSG000000025204	7190.152	0.079445	0.119561	0.664468
Cuedc1	ENSMUSG000000098571	131.6861	-0.24298	0.146007	-1.66414
Esyt1	ENSMUSG000000025366	7941.658	-0.39179	0.100357	-3.90395
B4galt7	ENSMUSG000000021504	527.3874	-0.06332	0.097328	-0.65055
Zfp784	ENSMUSG000000043290	224.9298	-0.16722	0.140362	-1.19136
Alg6	ENSMUSG000000073792	1351.253	-0.36345	0.102807	-3.53527
Gprc5c	ENSMUSG000000051043	1178.531	-0.17838	0.128197	-1.39143
Narfl	ENSMUSG00000002280	801.0429	-0.16183	0.083716	-1.93309
Xkr6	ENSMUSG000000035067	544.689	-0.11405	0.115017	-0.99162
Aebp2	ENSMUSG000000030232	1480.642	-0.12355	0.115928	-1.06573
Caprin2	ENSMUSG000000030309	509.8102	-0.02972	0.116312	-0.2555
Cacna1e	ENSMUSG000000004110	73.99388	0.031014	0.143489	0.216139
Becn1	ENSMUSG000000035086	4551.345	0.026631	0.059299	0.449091
Gm47147	ENSMUSG00000111777	132.4397	0.070109	0.133573	0.524873
Ak4	ENSMUSG000000028527	1148.209	-0.0172	0.069868	-0.24624
Gm20559	ENSMUSG000000106734	95.77942	0.035437	0.137583	0.257567
Gm14296	ENSMUSG000000074527	733.8545	0.080568	0.081213	0.992054
Dhdh	ENSMUSG000000011382	206.4539	-0.0591	0.110482	-0.53491
Btg3	ENSMUSG000000022863	5099.606	-0.02639	0.058987	-0.44745
Gemin4	ENSMUSG000000049396	380.1966	-0.18649	0.138151	-1.34992
Swt1	ENSMUSG000000052748	414.2634	-0.00521	0.144005	-0.03618
Ddx58	ENSMUSG000000040296	176.7706	-0.25453	0.13571	-1.87552
Capn5	ENSMUSG000000035547	704.2901	-0.14396	0.083308	-1.728
Eno3	ENSMUSG000000060600	445.7566	-0.18632	0.099029	-1.88144
Olfr709-ps	ENSMUSG000000062553	54.81571	0.011088	0.145593	0.076157
Trim41	ENSMUSG000000040365	1670.28	-0.03895	0.096752	-0.40258
Rnf123	ENSMUSG000000041528	1293.886	-0.15839	0.088797	-1.78376
Pkib	ENSMUSG000000019876	561.6645	0.210635	0.128518	1.638956
Ngfr	ENSMUSG000000000120	3208.428	-0.64853	0.134281	-4.82965
Bend7	ENSMUSG000000048186	456.937	-0.24041	0.091811	-2.61852
Mpv17	ENSMUSG000000107283	1307.551	-0.03774	0.092583	-0.4076
Erc2	ENSMUSG000000040640	433.1547	-0.12997	0.083739	-1.55208
Tnfrsf11a	ENSMUSG000000026321	231.34	-0.15695	0.138018	-1.13716
Ctnnal1	ENSMUSG000000038816	1093.872	0.054656	0.094337	0.579368
Cacng8	ENSMUSG000000053395	38.77098	-0.35162	0.13978	-2.5155
Cenpc1	ENSMUSG000000029253	976.1769	-0.0435	0.104385	-0.41676
Cdca2	ENSMUSG000000048922	1865.6	-0.00887	0.109434	-0.08105
Efcab1	ENSMUSG000000068617	2510.143	-0.08978	0.070398	-1.27525
Sidt1	ENSMUSG000000022696	198.8512	-0.39794	0.126826	-3.13764
Thsd7a	ENSMUSG000000032625	122.3923	-0.103	0.145986	-0.70557
Lypla1	ENSMUSG000000025903	1851.255	-0.03579	0.110631	-0.32348
Adam9	ENSMUSG000000031555	5715.968	-0.31037	0.089096	-3.48354
Trappc6a	ENSMUSG000000002043	778.8473	-0.18214	0.106421	-1.71154
Pcdhb17	ENSMUSG000000046387	268.7135	-0.12284	0.115968	-1.05925
Herc2	ENSMUSG000000030451	3260.719	-0.15528	0.097064	-1.59978
Tmppe	ENSMUSG000000079260	74.25879	-0.11489	0.145583	-0.78916
Surf1	ENSMUSG000000015790	1259.414	0.068734	0.106058	0.64808

BC003965	ENSMUSG00000067722	589.1965	-0.07181	0.088	-0.81602
Ubl4a	ENSMUSG00000015290	2561.017	-0.13719	0.066539	-2.06176
Spata7	ENSMUSG00000021007	433.7598	-0.10467	0.093854	-1.11526
Zfp664	ENSMUSG00000079215	3560.923	-0.1221	0.096141	-1.26999
Zfp426	ENSMUSG00000059475	1021.425	-0.0819	0.088901	-0.92123
Zscan20	ENSMUSG00000061894	153.2212	0.052474	0.123008	0.426592
Nubpl	ENSMUSG00000035142	325.8495	0.00131	0.118554	0.011053
Ilvbl	ENSMUSG00000032763	515.3032	-0.11093	0.085657	-1.295
Slc16a7	ENSMUSG00000020102	39.97206	0.093954	0.128364	0.731934
Dus1l	ENSMUSG00000025155	1350.651	-0.18052	0.090776	-1.98867
Galnt5	ENSMUSG00000026828	42.61655	-0.34395	0.145999	-2.35586
Myl12a	ENSMUSG00000024048	2419.02	0.02913	0.121587	0.239582
Xrcc3	ENSMUSG00000021287	785.0489	-0.00142	0.097339	-0.01455
Fastkd2	ENSMUSG00000025962	848.0578	0.091929	0.122307	0.751626
Speer5-ps1	ENSMUSG00000091358	45.2953	0.030475	0.141217	0.2158
Gm28268	ENSMUSG00000101776	81.75307	0.022477	0.142031	0.158252
Fam126b	ENSMUSG00000038174	793.2633	0.028804	0.103711	0.277731
Map7	ENSMUSG00000019996	1569.07	-0.13098	0.09178	-1.42714
Gm30978	ENSMUSG00000110110	37.52726	-0.15558	0.145185	-1.07163
Atg4c	ENSMUSG00000028550	455.0434	-0.11246	0.09232	-1.21813
Gcnt2	ENSMUSG00000021360	2161.218	-0.39067	0.078272	-4.9912
Gm44997	ENSMUSG00000108446	56.80397	-0.00017	0.142374	-0.00117
Slc39a9	ENSMUSG00000048833	2520.575	-0.21598	0.077984	-2.76949
Syne4	ENSMUSG00000019737	1970.673	0.02676	0.077235	0.34647
Atg9b	ENSMUSG00000038295	150.8625	-0.16669	0.145323	-1.14701
Tbc1d9b	ENSMUSG00000036644	4536.656	-0.1777	0.107046	-1.66001
Ppp1r37	ENSMUSG00000051403	3270.8	-0.1196	0.094939	-1.25973
Spry1	ENSMUSG00000037211	100.9261	-0.44958	0.145864	-3.0822
Rft1	ENSMUSG00000052395	437.8806	-0.12963	0.122433	-1.0588
Ano8	ENSMUSG00000034863	1574.117	-0.14688	0.101069	-1.45322
Enpep	ENSMUSG00000028024	446.8655	-0.38575	0.106456	-3.62356
Acsl1	ENSMUSG00000018796	477.6286	-0.19501	0.123117	-1.58394
Ybey	ENSMUSG00000033126	168.4415	-0.25426	0.129404	-1.96485
Aloxe3	ENSMUSG00000020892	87.09145	-0.10883	0.141719	-0.7679
Dok1	ENSMUSG00000068335	216.1552	-0.17317	0.13397	-1.29263
Vps36	ENSMUSG00000031479	1318.793	-0.00995	0.119305	-0.08341
Mkl1	ENSMUSG00000042292	668.5442	-0.09652	0.099198	-0.973
Tdrkh	ENSMUSG00000041912	1580.166	0.036188	0.107384	0.336994
Rps6kc1	ENSMUSG00000089872	301.0018	0.181919	0.095821	1.898521
Jam2	ENSMUSG00000053062	1215.599	-0.22133	0.145867	-1.51737
Itgb5	ENSMUSG00000022817	2893.882	-0.15799	0.114123	-1.38436
Stat3	ENSMUSG00000004040	6205.916	-0.06254	0.067322	-0.92891
Zfp862-ps	ENSMUSG00000107476	176.4962	-0.10909	0.131503	-0.82957
Kcnmb2	ENSMUSG00000037610	814.1512	-0.28205	0.103592	-2.72271
Rnf150	ENSMUSG00000047747	944.2002	-0.33916	0.096203	-3.52543
Impa2	ENSMUSG00000024525	141.2366	-0.11268	0.134386	-0.83846
Nip7	ENSMUSG00000031917	1102.754	0.073058	0.123099	0.593492
Ddx19b	ENSMUSG00000033658	1273.619	-0.18763	0.097172	-1.93092
Fgf9	ENSMUSG00000021974	168.963	-0.21493	0.14329	-1.49997
Gm9856	ENSMUSG00000110945	210.813	-0.08633	0.108587	-0.795
Tbc1d25	ENSMUSG00000039201	415.8577	0.037332	0.115215	0.324021
Decr2	ENSMUSG00000036775	1090.001	0.02066	0.078301	0.26385

Cdc42bpg	ENSMUSG000000107268	1477.146	-0.09289	0.095438	-0.9733
Zbtb33	ENSMUSG00000048047	643.2582	-0.12766	0.118284	-1.07928
Olfr718-ps	ENSMUSG00000090981	84.53874	0.13515	0.135968	0.993989
Gm5617	ENSMUSG00000042293	393.7316	-0.07245	0.144876	-0.5001
Cbln1	ENSMUSG00000031654	153.8457	-0.36315	0.144573	-2.51191
Psm6	ENSMUSG00000021737	4408.077	0.027343	0.068724	0.397862
Snhg11	ENSMUSG00000044349	69.91461	0.042551	0.14116	0.301439
Urb1	ENSMUSG00000039929	1078.481	0.080458	0.089515	0.898818
Cyp2j6	ENSMUSG00000052914	308.1233	-0.22252	0.123453	-1.80247
Entpd4	ENSMUSG00000095463	1034.621	-0.30777	0.094294	-3.26395
Asic1	ENSMUSG00000023017	1058.25	-0.46325	0.08866	-5.22504
Ripply3	ENSMUSG00000022941	1229.502	-0.19094	0.142351	-1.34134
St8sia1	ENSMUSG00000030283	491.3513	0.03923	0.118394	0.33135
Arid5a	ENSMUSG00000037447	433.1639	-0.07033	0.1242	-0.56627
Dusp6	ENSMUSG00000019960	250.1539	-0.43064	0.13293	-3.23958
Zbtb7b	ENSMUSG00000028042	786.0729	-0.08785	0.122527	-0.71698
Rreb1	ENSMUSG00000039087	115.3547	-0.04615	0.14601	-0.31605
Arl2bp	ENSMUSG00000031776	2915.633	-0.26286	0.091646	-2.86822
Cdc42bpg	ENSMUSG00000024769	1477.146	-0.09289	0.095438	-0.9733
B4galt4	ENSMUSG00000022793	151.7109	-0.29026	0.102772	-2.82435
Skiv2l	ENSMUSG00000040356	2976.838	0.007898	0.068245	0.115726
Rph3al	ENSMUSG00000020847	5693.97	0.076092	0.09624	0.790653
Mtrf1l	ENSMUSG00000019774	398.6763	-0.02981	0.086864	-0.34315
Gm17259	ENSMUSG00000097793	86.43197	-0.09042	0.132259	-0.68368
Rnf112	ENSMUSG00000010086	1853.17	-0.10957	0.11656	-0.94
Tgfb3	ENSMUSG00000021253	193.5603	-0.3143	0.103881	-3.02558
Wdr24	ENSMUSG00000025737	1211.178	-0.06447	0.06718	-0.95967
Akap7	ENSMUSG00000039166	258.0718	-0.10613	0.124207	-0.8545
Tln2	ENSMUSG00000052698	569.17	0.075991	0.124007	0.612798
Tbl1xr1	ENSMUSG00000027630	1204.834	-0.05633	0.111858	-0.50356
Cacna1a	ENSMUSG00000034656	313.3182	-0.02212	0.145815	-0.15169
Vsig10l	ENSMUSG00000070604	285.9126	-0.02908	0.134557	-0.21608
Chmp1b	ENSMUSG000000109901	888.5922	-0.23083	0.089024	-2.59285
Gm9794	ENSMUSG000000107176	864.0348	0.051766	0.105827	0.489158
Wdsub1	ENSMUSG00000026988	552.3671	-0.16177	0.10541	-1.53469
4930516B2	ENSMUSG00000097504	67.7097	-0.35635	0.145087	-2.45607
Gm47355	ENSMUSG000000111585	77.29977	0.058462	0.123799	0.472232
Gm26621	ENSMUSG00000096967	71.24343	0.058733	0.145548	0.403526
Adgrb3	ENSMUSG00000033569	177.269	-0.05778	0.137946	-0.41888
Pmm1	ENSMUSG00000022474	2480.756	-0.07903	0.101824	-0.77612
Kdm8	ENSMUSG00000030752	276.2388	-0.08186	0.090981	-0.89972
Klc4	ENSMUSG00000003546	480.7251	-0.1402	0.09081	-1.54393
Btbd11	ENSMUSG00000020042	500.7111	-0.21949	0.136555	-1.60734
Plod1	ENSMUSG00000019055	1106.055	-0.17331	0.125864	-1.37695
Gm10687	ENSMUSG00000097617	85.12867	-0.06593	0.13846	-0.47619
Ppp1r16a	ENSMUSG00000033819	1182.583	-0.10896	0.070228	-1.55146
Rab11fip3	ENSMUSG00000037098	1671.593	-0.09292	0.063378	-1.46614
Tcte2	ENSMUSG00000038347	206.8352	-0.03562	0.113585	-0.31359
Rhoq	ENSMUSG00000024143	1205.284	-0.21096	0.143793	-1.46708
Gnb4	ENSMUSG00000027669	105.554	-0.10569	0.13369	-0.79055
Zfp599	ENSMUSG00000062794	139.8942	-0.20627	0.112938	-1.82638
Dnajc27	ENSMUSG00000020657	1201.437	-0.12785	0.082368	-1.55221

Pld1	ENSMUSG00000027695	372.9173	-0.0373	0.117426	-0.31761
Asxl3	ENSMUSG00000045215	38.60623	-0.35736	0.145868	-2.4499
Uhmk1	ENSMUSG00000026667	4701.572	-0.33417	0.075518	-4.42499
Napb	ENSMUSG00000027438	293.805	-0.36566	0.107931	-3.38792
Zfand1	ENSMUSG00000039795	509.5996	-0.04564	0.126326	-0.36126
Ier3ip1	ENSMUSG00000090000	2128.066	0.012203	0.087319	0.139757
Myo10	ENSMUSG00000022272	819.2134	-0.09809	0.085144	-1.152
Mospd1	ENSMUSG00000023074	53.04872	-0.29675	0.14397	-2.06121
Gm45871	ENSMUSG000000110277	349.7724	-0.11042	0.096883	-1.13972
Dnaic2	ENSMUSG00000034706	171.646	-0.37767	0.13331	-2.83304
Pcsk2os1	ENSMUSG00000086171	346.2904	-0.00505	0.116902	-0.04324
Mfhas1	ENSMUSG00000070056	203.3349	-0.17497	0.144578	-1.21022
Gm48604	ENSMUSG000000111291	135.1094	-0.11084	0.139816	-0.79276
Pmp22	ENSMUSG00000018217	342.5422	-0.2983	0.115138	-2.59084
Tmem120k	ENSMUSG00000054434	524.8249	-0.04315	0.103532	-0.41678
Eme2	ENSMUSG00000073436	1390.034	-0.0805	0.094935	-0.84798
Gm46136	ENSMUSG000000111163	45.9436	0.030323	0.14279	0.212359
4930480K2	ENSMUSG00000097284	41.69904	-0.07534	0.1441	-0.5228
Gpld1	ENSMUSG00000021340	546.4371	-0.07253	0.121853	-0.59521
Asb18	ENSMUSG00000067081	47.25877	-0.08596	0.145942	-0.58903
Olfr784	ENSMUSG00000094347	488.0195	0.056365	0.138073	0.408223
Kmt2c	ENSMUSG00000038056	1568.897	-0.07338	0.120842	-0.60726
Dennd4a	ENSMUSG00000053641	919.4018	-0.07893	0.102315	-0.77147
Wipf1	ENSMUSG00000075284	150.751	-0.17402	0.131441	-1.32394
Dync2li1	ENSMUSG00000024253	638.529	-0.22804	0.11042	-2.06521
Mafr	ENSMUSG00000018143	570.9038	-0.2272	0.104715	-2.16973
Cox15	ENSMUSG00000040018	1633.795	-0.13137	0.062352	-2.10698
Gm15107	ENSMUSG00000072930	48.75703	-0.07104	0.144893	-0.49026
Usp53	ENSMUSG00000039701	430.7648	-0.14213	0.12519	-1.13533
Rxra	ENSMUSG00000015846	948.3588	-0.22508	0.114063	-1.97328
Gm15663	ENSMUSG00000085282	318.7809	-0.16554	0.133961	-1.23576
Capn15	ENSMUSG00000037326	1312.33	-0.15361	0.096196	-1.59685
Erf	ENSMUSG00000040857	399.0927	-0.28724	0.107508	-2.67181
Fbxl12os	ENSMUSG00000062470	124.2957	-0.12123	0.121334	-0.99917
Gm30606	ENSMUSG000000110713	79.18071	-0.36298	0.139548	-2.60111
Rbsn	ENSMUSG00000014550	1379.56	-0.0504	0.088395	-0.57015
Bhlha15	ENSMUSG00000052271	1186.332	-0.23428	0.144441	-1.62196
Khdrbs2	ENSMUSG00000026058	282.2497	0.076624	0.090851	0.84341
Zfp92	ENSMUSG00000031374	261.0164	-0.20282	0.129903	-1.56132
Gm45235	ENSMUSG000000108957	74.71314	-0.22877	0.130272	-1.75611
Tmem198	ENSMUSG00000051703	934.6873	-0.23545	0.077956	-3.02034
Gucd1	ENSMUSG00000033416	1149.1	-0.12189	0.074136	-1.64411
G530011O	ENSMUSG00000072844	62.97207	-0.21238	0.142073	-1.49488
Gatm	ENSMUSG00000027199	261.5274	-0.67011	0.123465	-5.42756
Reps2	ENSMUSG00000040855	525.179	-0.17256	0.113884	-1.51524
Hps1	ENSMUSG00000025188	598.2487	-0.27431	0.10822	-2.53479
Aup1	ENSMUSG00000068328	2345.548	-0.18615	0.101144	-1.84047
Zfp408	ENSMUSG00000075040	413.223	-0.13345	0.1122	-1.18939
Usp40	ENSMUSG00000005501	827.272	-0.00704	0.070385	-0.10003
Slc39a3	ENSMUSG00000046822	1104.123	-0.1979	0.084385	-2.34524
Kctd3	ENSMUSG00000026608	801.3121	-0.10074	0.096723	-1.04153
Gm26809	ENSMUSG00000097815	865.0466	-0.08053	0.118709	-0.67842

Gm28043	ENSMUSG00000098374	1085.401	-0.00177	0.067731	-0.0262
Lama5	ENSMUSG00000015647	767.4957	-0.33528	0.119498	-2.80574
Gpr137b-p	ENSMUSG00000097715	895.7064	-0.10501	0.131998	-0.79557
Zfp236	ENSMUSG00000041258	1108.882	0.014945	0.132848	0.112495
Zfp950	ENSMUSG00000074733	923.8759	-0.10644	0.083284	-1.27805
Sipa1l3	ENSMUSG00000030583	2268.265	0.090325	0.091259	0.989772
Tgfb1	ENSMUSG00000002603	1146.608	-0.2422	0.092492	-2.61858
Trim44	ENSMUSG000000027189	7452.469	-0.05326	0.081433	-0.65399
Atp2a3	ENSMUSG000000020788	45128	-0.08284	0.079336	-1.04421
Dolk	ENSMUSG00000075419	1029.121	0.08361	0.075042	1.11417
Cdkn2aip	ENSMUSG00000038069	744.9076	-0.07088	0.128988	-0.54948
Kmt5b	ENSMUSG00000045098	1210.323	-0.15256	0.095032	-1.60539
Arhgap29	ENSMUSG00000039831	311.8974	-0.03545	0.119055	-0.29778
Fam78a	ENSMUSG00000050592	65.21505	-0.17385	0.146007	-1.19073
Ndst4	ENSMUSG000000027971	115.2844	-0.19592	0.145858	-1.34323
Camk1g	ENSMUSG00000016179	93.37185	-0.12097	0.137951	-0.87688
Brpf1	ENSMUSG00000001632	1251.246	-0.13762	0.079077	-1.74028
Kif21b	ENSMUSG00000041642	38.20882	0.071489	0.123423	0.579218
Il15ra	ENSMUSG00000023206	138.2273	-0.15375	0.12835	-1.19788
Sgpl1	ENSMUSG00000020097	2653.575	-0.18352	0.107013	-1.71488
Magi2	ENSMUSG00000040003	318.8622	-0.23726	0.129587	-1.83088
Ermp1	ENSMUSG00000046324	1014.378	-0.38583	0.080586	-4.78778
Zfp110	ENSMUSG00000058638	602.3969	-0.14517	0.078761	-1.84313
Engase	ENSMUSG00000033857	214.5353	-0.15725	0.116927	-1.34482
Rsph3a	ENSMUSG00000073471	1818.876	-0.0216	0.08503	-0.25405
Pvt1	ENSMUSG00000097039	67.75599	-0.00226	0.135661	-0.01667
Calcoco1	ENSMUSG00000023055	878.7043	-0.26934	0.122667	-2.19571
Ssbp4	ENSMUSG00000070003	2084.982	-0.21186	0.107691	-1.96727
Dgke	ENSMUSG00000000276	1362.594	-0.1019	0.100754	-1.01136
Rnpepl1	ENSMUSG00000026269	2166.313	-0.25906	0.076274	-3.39647
Cept1	ENSMUSG00000040774	819.208	-0.04699	0.107828	-0.43577
Retsat	ENSMUSG00000056666	331.9495	-0.14395	0.115269	-1.2488
Cep83os	ENSMUSG00000097164	670.4303	-0.26075	0.142364	-1.83156
Astn1	ENSMUSG00000026587	2857.675	0.175053	0.115071	1.521257
Smug1	ENSMUSG00000036061	563.6942	-0.31919	0.087761	-3.63707
Stard3nl	ENSMUSG00000003062	1180.593	0.072355	0.087215	0.829623
Uqcrb	ENSMUSG00000021520	4669.985	0.128897	0.103492	1.245478
Elmod2	ENSMUSG00000035151	1396.569	-0.13326	0.136466	-0.97649
Fhod1	ENSMUSG00000014778	212.2481	-0.15692	0.12341	-1.27152
Cerkl	ENSMUSG00000075256	267.4393	-0.14588	0.099451	-1.46683
Btbd17	ENSMUSG00000000202	979.9082	-0.04129	0.07467	-0.55297
Trpv1	ENSMUSG00000005952	606.2416	0.101509	0.130015	0.780752
Sorl1	ENSMUSG00000049313	2010.337	-0.10564	0.131987	-0.80039
Acox3	ENSMUSG00000029098	512.6418	-0.00457	0.081584	-0.056
Snx29	ENSMUSG00000071669	69.91297	-0.04313	0.145739	-0.29595
Cacnb3	ENSMUSG00000003352	1173.059	-0.20954	0.076092	-2.75379
Tmem94	ENSMUSG00000020747	1577.303	-0.17677	0.09215	-1.91832
Zfp113	ENSMUSG00000037007	543.4494	-0.16918	0.105135	-1.60913
Ncan	ENSMUSG00000002341	356.9958	-0.22879	0.103027	-2.22073
Zfp943	ENSMUSG00000053347	720.3345	-0.13663	0.093753	-1.45729
Glrx3	ENSMUSG00000031068	3126.163	0.107074	0.0876	1.222297
Mrm1	ENSMUSG00000018405	568.8667	-0.21062	0.10535	-1.99924

Cdca3	ENSMUSG00000023505	4001.813	-0.15696	0.080379	-1.9528
Fmo5	ENSMUSG00000028088	94.31099	-0.17173	0.143247	-1.19882
Lmnbl	ENSMUSG00000024590	2791.813	-0.05502	0.062025	-0.88709
Tap2	ENSMUSG00000024339	225.7033	-0.3793	0.11909	-3.18495
Slc25a16	ENSMUSG00000071253	767.3084	-0.18546	0.089469	-2.0729
Lpar2	ENSMUSG00000031861	602.7339	-0.32345	0.108039	-2.99378
Prl8a1	ENSMUSG00000019756	229.686	0.015103	0.0959	0.157487
Gdpd5	ENSMUSG00000035314	68.49085	-0.0676	0.145503	-0.46458
Nxt1	ENSMUSG00000036992	533.8704	-0.07309	0.092727	-0.78824
Chmp4c	ENSMUSG00000027536	77.52429	-0.21772	0.131042	-1.66144
Sik2	ENSMUSG00000037112	348.4743	0.033815	0.106263	0.318217
Mfng	ENSMUSG00000018169	232.8912	-0.33198	0.10998	-3.01853
Prkd3	ENSMUSG00000024070	80.20974	-0.06078	0.145305	-0.41832
Atp10a	ENSMUSG00000025324	703.8694	-0.13246	0.07963	-1.66343
Brsk2	ENSMUSG00000053046	300.5864	-0.41162	0.12459	-3.30375
Faim2	ENSMUSG00000023011	140.9768	-0.43823	0.145636	-3.00911
Oasl1	ENSMUSG00000041827	185.5697	-0.32174	0.128043	-2.51276
Trpc4	ENSMUSG00000027748	54.8632	-0.27515	0.145934	-1.88544
Gm3052	ENSMUSG00000101462	118.0043	0.128886	0.138835	0.928342
Slco3a1	ENSMUSG00000025790	1659.349	-0.13002	0.073546	-1.76787
Zkscan7	ENSMUSG00000063488	365.8788	-0.13877	0.126392	-1.09795
Ap1g2	ENSMUSG00000040701	1092.636	0.015284	0.123879	0.123379
Klhl25	ENSMUSG00000055652	440.8778	-0.09409	0.091858	-1.02431
Usp43	ENSMUSG00000020905	362.8311	-0.1925	0.104676	-1.83904
Parp9	ENSMUSG00000022906	618.8004	-0.34265	0.083314	-4.1127
Cacna1h	ENSMUSG00000024112	152.3394	0.002726	0.137801	0.019779
Xlr3c	ENSMUSG00000058147	1598.654	-0.06436	0.080059	-0.80395
Fhdc1	ENSMUSG00000041842	1439.477	-0.27337	0.08541	-3.20064
Grin2d	ENSMUSG00000002771	201.8825	-0.19165	0.130636	-1.46704
Myo18a	ENSMUSG00000000631	2809.39	0.024898	0.120484	0.206649
Gm16222	ENSMUSG00000086798	89.90752	-0.04954	0.129632	-0.38215
Spen	ENSMUSG00000040761	1720.523	-0.15235	0.124876	-1.21999
Hdac7	ENSMUSG00000022475	67.55666	-0.21675	0.138809	-1.56151
Hnrnp2	ENSMUSG00000045427	3460.85	-0.05687	0.093778	-0.60648
E2f3	ENSMUSG00000016477	561.7822	-0.31227	0.114202	-2.73438
Asb1	ENSMUSG00000026311	1934.469	-0.09669	0.088412	-1.09367
Dusp12	ENSMUSG00000026659	408.2627	0.004921	0.105222	0.046771
Pcdh15	ENSMUSG00000052613	102.836	0.151987	0.133691	1.136854
Rnf152	ENSMUSG00000047496	83.31448	-0.12549	0.124408	-1.00868
Ccdc117	ENSMUSG00000020482	1026.549	-0.11596	0.139804	-0.82943
Bzw2	ENSMUSG00000020547	1329.615	-0.09903	0.060171	-1.64587
Gm16702	ENSMUSG00000097796	254.6118	-0.04907	0.113613	-0.43189
Gm3468	ENSMUSG00000094634	279.9993	-0.04585	0.145899	-0.31424
Gatm	ENSMUSG00000111138	261.5274	-0.67011	0.123465	-5.42756
Gabarapl1	ENSMUSG00000030161	2087.626	-0.07028	0.119535	-0.58794
Tbc1d1	ENSMUSG00000029174	3447.853	-0.11393	0.093255	-1.22169
Gm26610	ENSMUSG00000097674	56.68862	-0.13317	0.138067	-0.96453
Mllt6	ENSMUSG00000038437	1969.733	-0.2002	0.097958	-2.04373
Dlg2	ENSMUSG00000052572	425.2662	-0.2384	0.125162	-1.90475
Tenm2	ENSMUSG00000049336	274.6153	-0.07973	0.1271	-0.62734
Srgap2	ENSMUSG00000026425	868.1943	-0.14982	0.095107	-1.57523
AC168977	ENSMUSG00000079808	66.5522	0.060247	0.140925	0.42751

Krit1	ENSMUSG00000000600	1809.564	-0.04323	0.081257	-0.53205
Spry2	ENSMUSG000000022114	234.5249	-0.22777	0.128394	-1.77399
Ttr	ENSMUSG000000061808	31443.87	-0.33873	0.130623	-2.59323
Dnah9	ENSMUSG000000056752	138.379	-0.04211	0.135361	-0.31113
Eif4ebp2	ENSMUSG000000020091	743.7603	-0.22481	0.122978	-1.82808
Mfsd13a	ENSMUSG000000025227	1289.618	-0.17074	0.088327	-1.93302
Syngap1	ENSMUSG000000067629	991.7881	-0.05809	0.133493	-0.43517
Gm48348	ENSMUSG000000111619	1256.439	0.052575	0.13293	0.395509
Ccdc191	ENSMUSG000000022701	300.18	-0.29337	0.129573	-2.26416
Tbc1d16	ENSMUSG000000039976	2749.515	-0.23857	0.092833	-2.5699
Il1r1	ENSMUSG000000026072	24617.22	-0.27257	0.103403	-2.63603
Tmem53	ENSMUSG000000048772	57.18787	-0.09062	0.145354	-0.62342
Ddx51	ENSMUSG000000029504	525.6	0.002571	0.114339	0.022488
Avl9	ENSMUSG000000029787	2244.38	-0.07424	0.117898	-0.62968
Asah2	ENSMUSG000000024887	451.159	-0.35054	0.105199	-3.33212
Man2a2	ENSMUSG000000038886	2348.974	-0.28283	0.111701	-2.53201
Nphp4	ENSMUSG000000039577	949.6405	-0.17486	0.085142	-2.05376
Tbcel	ENSMUSG000000037287	1271.126	-0.18155	0.14105	-1.28715
Cd47	ENSMUSG000000055447	3768.432	-0.14479	0.097672	-1.48239
Dgkb	ENSMUSG000000036095	233.7398	-0.25392	0.144529	-1.75689
Gck	ENSMUSG000000041798	1057.606	-0.03181	0.08232	-0.38636
Rnf31	ENSMUSG000000047098	733.7585	-0.18721	0.080555	-2.32395
Nin	ENSMUSG000000021068	1679.045	-0.30424	0.091018	-3.34257
Cnpy4	ENSMUSG000000036968	575.5816	-0.07161	0.090867	-0.78813
Olfr1459	ENSMUSG000000057503	42.86063	0.122856	0.1412	0.870084
Gm15280	ENSMUSG000000086580	66.67415	0.128688	0.137687	0.93464
Palld	ENSMUSG000000058056	339.1963	0.051773	0.141635	0.365539
Ankrd40	ENSMUSG000000020864	3352.802	-0.23915	0.074175	-3.22415
Trim45	ENSMUSG000000033233	140.8078	-0.15627	0.110633	-1.4125
Ccdc77	ENSMUSG000000030177	454.5969	-0.10231	0.077233	-1.3247
Nudt1	ENSMUSG000000036639	349.5275	-0.04154	0.141245	-0.2941
Myt1	ENSMUSG000000010505	2279.094	-0.24164	0.100834	-2.39644
Rps23-ps1	ENSMUSG000000100755	4753.741	0.115776	0.105226	1.100262
Rnf187	ENSMUSG000000020496	7466.23	-0.00741	0.104667	-0.07083
Acaa1a	ENSMUSG000000036138	2771.548	0.044981	0.091208	0.493167
Ankrd13c	ENSMUSG000000039988	2281.72	0.038801	0.072516	0.535064
Ppard	ENSMUSG00000002250	1003.604	-0.07623	0.116377	-0.65502
Inafm2	ENSMUSG000000074918	1010.669	-0.26332	0.093625	-2.81249
Lzts2	ENSMUSG000000035342	396.0417	-0.30333	0.141377	-2.14558
Ahcyl1	ENSMUSG000000027893	14294.41	-0.02924	0.085056	-0.34383
Stat6	ENSMUSG000000002147	867.3401	-0.13438	0.08988	-1.49505
Shtn1	ENSMUSG000000041362	390.7135	-0.36555	0.091482	-3.99591
Tbc1d22b	ENSMUSG000000042203	1383.213	-0.06063	0.085989	-0.70506
Ttc4	ENSMUSG000000025413	1528.986	-0.03549	0.082855	-0.42831
Cpq	ENSMUSG000000039007	1565.472	-0.1117	0.062801	-1.77859
Ctif	ENSMUSG000000052928	621.8598	-0.13319	0.087597	-1.52048
Phf7	ENSMUSG000000021902	245.783	-0.3068	0.119321	-2.57123
Seh1l	ENSMUSG000000079614	3758.677	-0.01763	0.110789	-0.1591
Pink1	ENSMUSG000000028756	936.052	-0.23694	0.100824	-2.35004
E430018J2	ENSMUSG000000078580	133.3769	-0.15852	0.117004	-1.35483
Mapk11	ENSMUSG000000053137	362.446	-0.18494	0.133452	-1.38584
Cul9	ENSMUSG000000040327	1165.293	-0.04218	0.104121	-0.40512

Rbm20	ENSMUSG00000043639	540.7906	-0.22474	0.145722	-1.54226
Zfp949	ENSMUSG00000032425	512.5284	-0.00624	0.083577	-0.07462
Scd3	ENSMUSG00000025202	238.7119	-0.15143	0.142015	-1.06631
Ndst1	ENSMUSG00000054008	351.2219	-0.25422	0.127099	-2.00015
Gpn1	ENSMUSG00000064037	978.6585	0.095326	0.078817	1.209468
Mir124-2h	ENSMUSG000000100252	112.3024	-0.11438	0.13589	-0.84173
Gm2011	ENSMUSG000000107741	591.3459	0.030078	0.115071	0.261387
Rcc1l	ENSMUSG00000061979	561.5989	0.110687	0.117761	0.939929
Rad54l2	ENSMUSG00000040661	640.3951	-0.18625	0.100838	-1.847
Epb41l1	ENSMUSG00000027624	1502.697	-0.10122	0.127537	-0.79369
Tk2	ENSMUSG00000035824	678.0486	0.017204	0.085696	0.200753
Rpusd2	ENSMUSG00000027324	135.7103	-0.17502	0.11824	-1.48018
Zc3h13	ENSMUSG00000022000	996.6805	-0.12324	0.068069	-1.81053
Zfp316	ENSMUSG00000046658	528.4764	-0.05004	0.077722	-0.64378
Hist2h2be	ENSMUSG00000068854	184.5224	-0.23478	0.118223	-1.98588
Abr	ENSMUSG00000017631	4354.44	-0.02296	0.083376	-0.27539
Cdh7	ENSMUSG00000026312	206.6058	-0.18424	0.112009	-1.6449
Ubp1	ENSMUSG00000028437	1982.124	0.173949	0.0923	1.884594
Upb1	ENSMUSG00000033427	2523.875	-0.13064	0.107148	-1.21924
Map3k14	ENSMUSG00000020941	177.1885	-0.04862	0.108382	-0.44858
Gpr155	ENSMUSG00000041762	519.0513	-0.03999	0.12144	-0.32933
Tmem72	ENSMUSG00000048108	1760.926	-0.02406	0.117253	-0.20521
Slmapos2	ENSMUSG00000090104	312.0864	-0.17305	0.116066	-1.49094
Osbpl6	ENSMUSG00000042359	66.12032	-0.22133	0.141359	-1.56571
Slx1b	ENSMUSG00000059772	509.6964	-0.10235	0.101432	-1.00903
Tpd52l2	ENSMUSG00000000827	1739.178	-0.0118	0.061452	-0.19195
Polr3gl	ENSMUSG00000028104	359.3867	-0.2383	0.104828	-2.27326
Ubn1	ENSMUSG00000039473	4250.557	-0.16048	0.104077	-1.5419
Rps6ka1	ENSMUSG00000003644	499.6979	-0.1378	0.111926	-1.23116
Coro1b	ENSMUSG00000097771	1788.838	-0.12416	0.094973	-1.3073
Gm28874	ENSMUSG000000100813	60.01085	-0.09004	0.138442	-0.65035
Bcl2l2	ENSMUSG00000089682	2095.484	-0.27626	0.080858	-3.41658
Spg21	ENSMUSG00000032388	1824.776	-0.03123	0.090514	-0.34505
Gm45605	ENSMUSG000000109829	54.82279	-0.07507	0.14529	-0.51667
Cpn1	ENSMUSG00000025196	1778.936	-0.37517	0.079932	-4.69362
Josd2	ENSMUSG00000038695	1069.062	-0.04411	0.097295	-0.45336
Nr2c1	ENSMUSG00000005897	469.6939	-0.1271	0.087799	-1.44758
Mettl9	ENSMUSG00000030876	3355.019	-0.10281	0.056709	-1.81293
Bbs10	ENSMUSG00000035759	245.699	-0.41159	0.090816	-4.5321
Gm4890	ENSMUSG00000097174	88.51284	-0.29592	0.145849	-2.02897
Dram2	ENSMUSG00000027900	1000.763	-0.28332	0.116125	-2.43979
Rdh12	ENSMUSG00000021123	188.177	-0.05564	0.108083	-0.51482
Fam118a	ENSMUSG00000022434	897.1412	0.04409	0.109964	0.400949
Col1a1	ENSMUSG00000001506	57.9221	0.126995	0.145475	0.872965
Abi2	ENSMUSG00000026782	2052.758	-0.06788	0.078292	-0.86699
Gmids	ENSMUSG00000038372	2643.155	0.006767	0.067601	0.100105
Agps	ENSMUSG00000042410	1577.062	-0.02439	0.087433	-0.279
Zkscan17	ENSMUSG00000020472	1625.08	-0.17911	0.121793	-1.47065
Uxs1	ENSMUSG00000057363	576.3496	-0.16255	0.090813	-1.78994
Map3k10	ENSMUSG00000040390	1805.612	-0.00578	0.099537	-0.05805
Rbm33	ENSMUSG00000048271	2004.428	-0.05713	0.12057	-0.47385
Yipf6	ENSMUSG00000047694	2459.422	-0.25751	0.085573	-3.00926

Dnah7b	ENSMUSG00000041144	50.68403	-0.12868	0.143464	-0.89694
Acad9	ENSMUSG00000027710	955.4652	0.009819	0.081683	0.120214
Suv39h1	ENSMUSG00000039231	2225.412	-0.04264	0.071677	-0.59485
Xpo4	ENSMUSG00000021952	429.9688	0.067802	0.128395	0.528071
Ctxn1	ENSMUSG00000048644	447.6337	-0.2525	0.096646	-2.61261
Ptpn18	ENSMUSG00000026126	71.77337	0.007018	0.137169	0.051167
Gm33280	ENSMUSG00000102202	74.37838	-0.20709	0.141178	-1.46685
Ankrd13a	ENSMUSG00000041870	3754.786	-0.09399	0.071665	-1.31157
Rufy3	ENSMUSG00000029291	3405.265	0.025291	0.100047	0.252797
Ccl27a	ENSMUSG00000073888	430.0873	0.148809	0.098954	1.50383
Irak1bp1	ENSMUSG00000032251	727.323	-0.02697	0.08725	-0.30914
Gm15128	ENSMUSG00000095872	55.41085	-0.10748	0.145016	-0.74113
Efcab7	ENSMUSG00000073791	242.2337	-0.11968	0.091489	-1.30812
Ube2q1	ENSMUSG00000042572	3844.705	-0.11955	0.090024	-1.32792
Slc25a39	ENSMUSG00000018677	9356.804	0.008318	0.093249	0.089199
Tdp2	ENSMUSG00000035958	1702.722	-0.07885	0.087939	-0.89667
Adcy3	ENSMUSG00000020654	67.60031	-0.13829	0.145332	-0.95155
Dhx35	ENSMUSG00000027655	418.8302	-0.11007	0.099605	-1.1051
L3mbtl2	ENSMUSG00000022394	1963.831	-0.10715	0.060017	-1.7853
Pus7	ENSMUSG00000057541	471.172	-0.15811	0.082992	-1.90517
Sema6a	ENSMUSG00000019647	289.7818	-0.30275	0.136247	-2.22208
Gm45470	ENSMUSG00000109674	293.3552	-0.12121	0.142918	-0.84808
Plekhg2	ENSMUSG00000037552	559.0765	-0.1238	0.105921	-1.16879
Magi1	ENSMUSG00000045095	378.2974	-0.05883	0.143247	-0.4107
Acer3	ENSMUSG00000030760	436.0791	-0.01188	0.119099	-0.09973
Cdc42ep4	ENSMUSG00000041598	356.8866	-0.19987	0.097434	-2.05131
Fgfr1op2	ENSMUSG00000040242	1997.761	-0.13283	0.071525	-1.85718
Zscan26	ENSMUSG00000022228	1760.095	-0.10663	0.133465	-0.79893
Nlrc5	ENSMUSG00000074151	61.79517	-0.32474	0.144306	-2.25034
Cdkn1a	ENSMUSG00000023067	6229.436	-0.27952	0.125001	-2.2361
Chd3	ENSMUSG00000018474	4667.217	-0.26025	0.11486	-2.26581
Gm11131	ENSMUSG00000079505	72.95502	-0.13561	0.143109	-0.9476
Six3	ENSMUSG00000038805	144.5439	-0.09944	0.118538	-0.83887
Coro1b	ENSMUSG00000024835	1788.838	-0.12416	0.094973	-1.3073
Cntrob	ENSMUSG00000032782	5473.958	-0.22727	0.098841	-2.29938
Il10rb	ENSMUSG00000022969	589.6696	-0.30158	0.120151	-2.51005
F11r	ENSMUSG00000038235	2330.531	-0.18233	0.090473	-2.01528
Sema4d	ENSMUSG00000021451	933.6777	-0.1561	0.088126	-1.77133
Poldip2	ENSMUSG00000001100	1991.931	-0.03584	0.087137	-0.41132
Dclre1c	ENSMUSG00000026648	211.6273	-0.07414	0.119379	-0.62104
Phkg1	ENSMUSG00000025537	71.03894	-0.00462	0.139129	-0.03322
Chgb	ENSMUSG00000027350	91016.9	-0.19532	0.090242	-2.16439
Cdh10	ENSMUSG00000022321	38.48521	0.00854	0.145337	0.058758
Pcbp4	ENSMUSG00000023495	1004.002	-0.12482	0.101566	-1.22898
Zfp473	ENSMUSG00000048012	143.9395	0.0829	0.135971	0.609684
Mib2	ENSMUSG00000029060	1252.25	0.083871	0.097125	0.863539
Vapa	ENSMUSG00000024091	3419.347	0.029689	0.06624	0.448211
Mto1	ENSMUSG00000032342	611.0909	-0.02672	0.10063	-0.26548
Car15	ENSMUSG00000090236	483.4341	-0.32374	0.128017	-2.52889
Tmem135	ENSMUSG00000039428	2000.521	-0.05407	0.081424	-0.66402
Thumpd1	ENSMUSG00000030942	1454.853	-0.07367	0.07382	-0.99797
Zfp777	ENSMUSG00000071477	756.5118	-0.10518	0.101659	-1.03462

Vasp	ENSMUSG00000030403	2847.86	0.136991	0.112539	1.217282
Carm1	ENSMUSG00000032185	1194.064	-0.06506	0.092563	-0.7029
Cpne2	ENSMUSG00000034361	482.9841	-0.36052	0.106333	-3.39047
Zfp976	ENSMUSG00000074158	225.58	0.02249	0.136455	0.164813
Cox17	ENSMUSG00000046516	2020.519	0.003775	0.1054	0.035815
Vwa8	ENSMUSG00000058997	1428.721	-0.21515	0.080502	-2.67256
Gstcd	ENSMUSG00000028018	317.5475	-0.02754	0.112753	-0.24428
CAAA0114	ENSMUSG00000111469	385.5007	0.059054	0.143894	0.410397
Il18rap	ENSMUSG00000026068	145.4028	-0.03638	0.140617	-0.2587
Lhfp12	ENSMUSG00000045312	105.2435	-0.11822	0.12442	-0.95019
Ttc7b	ENSMUSG00000033530	1311.422	-0.35197	0.108921	-3.23141
Wipf2	ENSMUSG00000038013	871.3211	-0.17397	0.075703	-2.29811
Fubp1	ENSMUSG00000028034	3607.659	-0.16283	0.096609	-1.68544
Nf1	ENSMUSG00000020716	1569.973	-0.07453	0.084993	-0.87694
Rtn4ip1	ENSMUSG00000019864	731.331	-0.12834	0.100056	-1.28273
Ecel1	ENSMUSG00000026247	462.2684	-0.17917	0.144572	-1.23933
Wnk4	ENSMUSG00000035112	875.9258	-0.02088	0.145326	-0.1437
4921524J1	ENSMUSG00000036934	485.659	-0.05502	0.087465	-0.62911
Gm17491	ENSMUSG00000097042	336.8079	-0.178	0.089804	-1.98214
Tifa	ENSMUSG00000046688	666.8214	-0.28045	0.134169	-2.0903
Grb14	ENSMUSG00000026888	489.9814	-0.07042	0.129828	-0.54238
Shc2	ENSMUSG00000020312	1431.145	-0.21849	0.070294	-3.10822
4930523C	ENSMUSG00000090394	138.8723	-0.38407	0.144906	-2.65047
Fryl	ENSMUSG00000070733	1468.883	0.021995	0.087656	0.250929
Kif1bp	ENSMUSG00000036955	2518.043	-0.00675	0.073182	-0.09223
Cfap43	ENSMUSG00000044948	307.1496	-0.05678	0.124957	-0.45443
Abcc5	ENSMUSG00000022822	2433.071	0.061044	0.095117	0.641781
Traf3ip2	ENSMUSG00000019842	562.6438	-0.13108	0.117817	-1.1126
Gabarapl2	ENSMUSG00000031950	8179.28	0.052222	0.110527	0.472485
Slc7a11	ENSMUSG00000027737	173.388	0.038163	0.119522	0.319296
Zscan22	ENSMUSG00000054715	756.0011	-0.13489	0.106483	-1.26678
Ap4e1	ENSMUSG00000001998	353.854	-0.17354	0.140588	-1.23442
Fam187b	ENSMUSG00000046826	283.5409	-0.19787	0.107413	-1.84215
Ttc30b	ENSMUSG00000075273	246.2636	-0.22362	0.093669	-2.38732
Fkbp2	ENSMUSG00000056629	5032.964	0.001259	0.112428	0.011202
Noc3l	ENSMUSG00000024999	543.3098	-0.04226	0.071026	-0.59502
Tmem121	ENSMUSG00000049036	301.6073	-0.04254	0.105975	-0.4014
Pfas	ENSMUSG00000020899	1550.352	0.033922	0.097921	0.346426
Ccdc9	ENSMUSG00000041375	796.3088	-0.04517	0.07152	-0.6316
Zfp125	ENSMUSG00000069755	269.549	-0.16054	0.091456	-1.75536
Socs2	ENSMUSG00000020027	836.9772	-0.11924	0.131785	-0.90482
Med16	ENSMUSG00000013833	1526.287	-0.0101	0.113676	-0.08885
Stk4	ENSMUSG00000018209	1361.268	-0.11568	0.071085	-1.62734
Actrt3	ENSMUSG00000037737	172.6864	0.153152	0.115295	1.328344
Aatk	ENSMUSG00000025375	849.6112	-0.03649	0.145872	-0.25017
Tfdp1	ENSMUSG00000038482	5180.688	-0.13827	0.122879	-1.12524
Fbxo38	ENSMUSG00000042211	1429.138	-0.08991	0.067096	-1.34002
2510039O	ENSMUSG00000044496	1179.753	-0.05748	0.075994	-0.75641
Nop14	ENSMUSG00000036693	1109.191	-0.00724	0.091185	-0.07944
Scand1	ENSMUSG00000046229	714.5735	-0.06549	0.145761	-0.44931
Tcirg1	ENSMUSG00000001750	331.2647	0.043466	0.111975	0.388174
Camkmt	ENSMUSG00000071037	240.5392	0.074078	0.132631	0.558526

4632404H:	ENSMUSG00000042579	798.7571	-0.09237	0.111547	-0.8281
Bcas2	ENSMUSG00000005687	2624.256	0.017784	0.083211	0.213721
Lrrn3	ENSMUSG00000036295	101.1456	-0.42583	0.125377	-3.39639
Mepce	ENSMUSG00000029726	1720.896	-0.09337	0.080709	-1.15688
Kirrel3	ENSMUSG00000032036	83.38603	0.031969	0.145973	0.219008
Mxd4	ENSMUSG00000037235	1552.486	-0.36335	0.104721	-3.46969
Rassf10	ENSMUSG00000098132	87.18469	-0.24235	0.128469	-1.88644
Slc2a3	ENSMUSG00000003153	71.76871	-0.10832	0.145249	-0.74578
27000810:	ENSMUSG00000053080	743.3311	-0.14758	0.105568	-1.39792
Polr3c	ENSMUSG00000028099	1165.263	-0.17279	0.085618	-2.01813
Arfgap2	ENSMUSG00000027255	3344.847	0.047063	0.062384	0.754396
Nfkbiz	ENSMUSG00000035356	420.0177	-0.37733	0.131229	-2.87537
Ube2l6	ENSMUSG00000027078	239.2893	-0.10149	0.136746	-0.7422
Foxn2	ENSMUSG00000034998	509.1208	-0.09868	0.100596	-0.98093
Fbxo41	ENSMUSG00000047013	137.8411	-0.29208	0.118017	-2.47488
Cnr1	ENSMUSG00000044288	425.9077	-0.47337	0.111153	-4.25871
Mthfsd	ENSMUSG00000031816	1038.859	-0.18696	0.089555	-2.08763
Il1rap	ENSMUSG00000022514	371.315	-0.24974	0.098169	-2.54396
Acbd4	ENSMUSG00000056938	241.0352	-0.02593	0.10703	-0.24226
Rpap3	ENSMUSG00000022466	581.318	-0.05632	0.096693	-0.58246
Usp35	ENSMUSG00000035713	464.3845	0.007754	0.107875	0.071884
Gm12895	ENSMUSG00000106949	90.76644	0.06524	0.127522	0.511599
Gm12895	ENSMUSG00000083365	90.76644	0.06524	0.127522	0.511599
Gm12896	ENSMUSG00000083558	90.76644	0.06524	0.127522	0.511599
Cep41	ENSMUSG00000029790	441.5046	0.018963	0.136551	0.13887
Tmem106a	ENSMUSG00000034947	392.4773	-0.16036	0.131883	-1.21596
Ints2	ENSMUSG00000018068	1006.763	-0.01871	0.112354	-0.16651
Uvrag	ENSMUSG00000035354	1900.146	-0.01582	0.129262	-0.12237
Neat1	ENSMUSG00000092274	9652.554	-0.30351	0.12731	-2.38404
Pi4k2b	ENSMUSG00000029186	792.1778	-0.25088	0.122858	-2.04202
Scrn3	ENSMUSG00000008226	817.3254	-0.19124	0.098564	-1.94021
Paf1	ENSMUSG00000003437	2401.651	0.031017	0.078535	0.39495
Zfp953	ENSMUSG00000098905	55.88151	-0.00133	0.139724	-0.00952
Dlgap4	ENSMUSG00000061689	308.7114	-0.25966	0.141222	-1.83864
Arhgef39	ENSMUSG00000051517	577.4274	-0.18966	0.099324	-1.90948
Elf1	ENSMUSG00000036461	726.9923	-0.1597	0.10042	-1.59027
Daam1	ENSMUSG00000034574	4343.757	-0.13745	0.094317	-1.4573
Foxred1	ENSMUSG00000039048	1320.285	0.072954	0.080169	0.909999
Robo2	ENSMUSG00000052516	4854.114	-0.09662	0.096175	-1.00468
Tapbp	ENSMUSG00000024308	7524.892	-0.03269	0.069949	-0.46739
Cdip1	ENSMUSG00000004071	2601.014	-0.00515	0.065095	-0.07906
Enpp2	ENSMUSG00000022425	279.7938	-0.24901	0.120917	-2.05937
Plut	ENSMUSG00000092570	209.4163	-0.18149	0.110423	-1.64359
Sh2b3	ENSMUSG00000042594	1121.965	-0.28068	0.095984	-2.92427
Dus2	ENSMUSG00000031901	365.0718	0.050848	0.110398	0.460593
Zfp330	ENSMUSG00000031711	2011.31	-0.09375	0.081031	-1.15697
Mphosph9	ENSMUSG00000038126	1564.391	-0.14258	0.110126	-1.29472
Arpp21	ENSMUSG00000032503	54.04848	0.063061	0.14222	0.443407
Foxn1	ENSMUSG00000002057	82.1618	-0.31369	0.142045	-2.20838
Oasl2	ENSMUSG00000029561	153.2373	-0.14932	0.145602	-1.02553
Gpn2	ENSMUSG00000028848	535.8099	-0.04126	0.106559	-0.38725
Nrip3	ENSMUSG00000034825	1172.399	-0.23394	0.070578	-3.31468

Dock6	ENSMUSG00000032198	108.0266	-0.0931	0.145477	-0.63997
Shld2	ENSMUSG00000041471	297.1797	-0.35236	0.091162	-3.86519
Rhbdd3	ENSMUSG00000034175	782.3924	-0.1573	0.105567	-1.49005
Fam117a	ENSMUSG00000038893	900.8921	0.08726	0.135811	0.642513
ScIt1	ENSMUSG00000059834	690.0708	-0.07719	0.081346	-0.94889
Manba	ENSMUSG00000028164	419.3532	0.081968	0.116966	0.700789
Tefm	ENSMUSG00000046909	277.4953	0.056661	0.102368	0.553497
Fam222a	ENSMUSG00000041930	1573.524	-0.11706	0.124963	-0.93678
Lipa	ENSMUSG00000024781	922.9689	-0.34488	0.104803	-3.2908
0610010FC	ENSMUSG00000042208	1122.746	-0.42125	0.072984	-5.77183
Yeats4	ENSMUSG00000020171	1592.378	-0.12949	0.083598	-1.54899
Snhg17	ENSMUSG00000085385	545.7248	-0.06776	0.090495	-0.74874
9630013D	ENSMUSG00000059027	249.8698	-0.14631	0.137126	-1.06701
Rad9b	ENSMUSG00000038569	88.83655	-0.21369	0.137136	-1.55826
Tprn	ENSMUSG00000048707	439.4981	-0.06262	0.117842	-0.53142
Zfp868	ENSMUSG00000060427	704.711	-0.04763	0.093602	-0.50884
Mtcl1	ENSMUSG00000052105	3644.488	0.123046	0.102629	1.198944
Rnf215	ENSMUSG00000003581	553.942	-0.16537	0.078917	-2.09554
Fads6	ENSMUSG00000044788	1462.812	-0.06275	0.118569	-0.52924
Mterf3	ENSMUSG00000021519	1260.145	-0.00514	0.069024	-0.07446
Srebf1	ENSMUSG00000020538	9238.28	0.008857	0.130423	0.067908
Akirin1	ENSMUSG00000023075	3077.581	0.060653	0.057431	1.056089
Fam161a	ENSMUSG00000049811	184.1699	-0.25378	0.138722	-1.82944
Madd	ENSMUSG00000040687	5292.66	-0.11214	0.134046	-0.83658
Slitrk6	ENSMUSG00000045871	847.5692	-0.26526	0.146011	-1.81671
Zfp369	ENSMUSG00000021514	129.1687	-0.11537	0.125179	-0.92162
Gsap	ENSMUSG00000039934	331.7397	-0.16071	0.104086	-1.54398
Elmod3	ENSMUSG00000056698	421.2071	-0.20009	0.097484	-2.05254
Lztfl1	ENSMUSG00000025245	878.3751	-0.17168	0.111178	-1.53586
Msh3	ENSMUSG00000014850	959.056	-0.05454	0.068044	-0.80159
Nup133	ENSMUSG00000039509	1895.241	0.063927	0.08371	0.763673
1110008L1	ENSMUSG00000021023	284.4826	-0.05907	0.129977	-0.45446
Acsl6	ENSMUSG00000020333	390.2597	-0.15003	0.111146	-1.34987
Gramd1a	ENSMUSG00000001248	4894.13	-0.14069	0.076311	-1.84368
Plekho2	ENSMUSG00000050721	220.8224	-0.29738	0.103682	-2.86824
Ppm1m	ENSMUSG00000020253	859.3907	-0.10801	0.097433	-1.10856
Gm45799	ENSMUSG00000110234	126.5886	0.091872	0.140733	0.652811
Pip5k1a	ENSMUSG00000028126	959.0494	-0.0628	0.086325	-0.72751
Slc24a2	ENSMUSG00000037996	3053.392	-0.06859	0.100869	-0.68003
Olf607	ENSMUSG00000081945	108.0183	0.07911	0.115529	0.684768
Tmtc4	ENSMUSG00000041594	856.5863	-0.27863	0.100218	-2.78022
Mex3a	ENSMUSG00000074480	191.492	-0.0852	0.118303	-0.72018
Atp6v0b	ENSMUSG00000033379	10102.46	0.051598	0.12872	0.400856
3110040N	ENSMUSG00000025102	337.8772	-0.1304	0.109083	-1.19542
Tmem150c	ENSMUSG00000050640	818.0028	-0.07798	0.128771	-0.60555
Sec16b	ENSMUSG00000026589	436.8442	-0.15476	0.128071	-1.20837
Tmed3	ENSMUSG00000032353	9887.757	-0.20588	0.102747	-2.00378
Nrk	ENSMUSG00000052854	271.0934	0.055134	0.139859	0.394211
Nudt18	ENSMUSG00000045211	666.9806	-0.13197	0.096062	-1.37383
D10Wsu10	ENSMUSG00000020255	15271.25	0.050293	0.102333	0.49146
Meis2	ENSMUSG00000027210	842.9286	-0.22097	0.100544	-2.19773
Pard3b	ENSMUSG00000052062	176.7902	-0.23069	0.111975	-2.06017

Tmem5	ENSMUSG00000034620	528.5837	-0.13591	0.080017	-1.69851
Prr7	ENSMUSG00000034686	104.6003	-0.16117	0.144233	-1.11742
Txndc15	ENSMUSG00000021497	3092.221	0.024653	0.067512	0.365166
Adam22	ENSMUSG00000040537	2034.893	0.010454	0.119238	0.087673
Cdh23	ENSMUSG00000012819	1587.86	0.031499	0.126598	0.248808
Adgrl3	ENSMUSG00000037605	249.9768	-0.12763	0.145501	-0.8772
Slc45a1	ENSMUSG00000039838	1713.826	0.020353	0.097086	0.209639
Cbr4	ENSMUSG00000031641	429.2523	-0.06681	0.109603	-0.60959
Gm17690	ENSMUSG00000097204	204.1298	-0.37589	0.119981	-3.13289
Zyg11b	ENSMUSG00000034636	1902.865	0.072488	0.082131	0.882588
Map4k4	ENSMUSG00000026074	1601.482	-0.07979	0.115028	-0.69366
Tsfm	ENSMUSG00000040521	925.3259	0.120074	0.086036	1.395631
Ccr10	ENSMUSG00000044052	125.3493	-0.24206	0.129263	-1.87261
Amacr	ENSMUSG00000022244	317.7164	0.021807	0.107947	0.202017
Tnik	ENSMUSG00000027692	542.3556	-0.03103	0.145376	-0.21346
Coq10a	ENSMUSG00000039914	1472.935	-0.06586	0.095473	-0.6898
Gm14565	ENSMUSG00000085635	47.76773	0.194573	0.13735	1.416614
Ildr1	ENSMUSG00000022900	1164.012	-0.04307	0.097198	-0.44316
Slc17a5	ENSMUSG00000049624	533.5592	-0.30983	0.091743	-3.37715
D3Ertd751	ENSMUSG00000025766	650.4592	-0.07909	0.112565	-0.70265
Ist1	ENSMUSG00000031729	4553.7	-0.12279	0.096462	-1.27291
Bbs7	ENSMUSG00000037325	807.7759	-0.0201	0.076827	-0.26165
Vgf	ENSMUSG00000037428	8738.83	-0.2137	0.113894	-1.87629
Dvl1	ENSMUSG00000029071	2731.854	-0.02691	0.11086	-0.24274
Sowahb	ENSMUSG00000045314	128.6909	-0.08508	0.125022	-0.68054
Ikbke	ENSMUSG00000042349	403.2372	-0.10216	0.111514	-0.91611
Scn1b	ENSMUSG00000019194	898.2506	-0.25393	0.115769	-2.19341
Prkd2	ENSMUSG00000041187	275.7451	-0.1005	0.115081	-0.87331
Stx1a	ENSMUSG00000007207	775.4876	-0.1031	0.083561	-1.23379
Gtpbp6	ENSMUSG00000033434	910.9318	-0.07173	0.107204	-0.66907
Lgi2	ENSMUSG00000039252	580.8295	-0.33861	0.103269	-3.2789
Fkbp15	ENSMUSG00000066151	1297.817	-0.03846	0.064613	-0.59518
Sde2	ENSMUSG00000038806	853.138	-0.03027	0.076285	-0.39683
Pcdha9	ENSMUSG00000103770	232.1579	-0.1496	0.113373	-1.31958
Sertad4	ENSMUSG00000016262	239.9991	-0.04146	0.115007	-0.36046
Sowahc	ENSMUSG00000098188	825.8452	-0.16272	0.088692	-1.83463
Meaf6	ENSMUSG00000028863	2117.335	0.074393	0.090138	0.825322
Sdccag8	ENSMUSG00000026504	1069.568	-0.04922	0.113735	-0.4328
Tpgs1	ENSMUSG00000020308	1528.923	-0.0313	0.124551	-0.25128
Tmem181k	ENSMUSG00000096780	2065.651	-0.1103	0.090848	-1.21408
Tmc6	ENSMUSG00000025572	623.0027	-0.23733	0.116282	-2.04097
Nes	ENSMUSG00000004891	3893.722	-0.10734	0.095286	-1.12653
Iffo2	ENSMUSG00000041025	171.2642	-0.2702	0.113187	-2.3872
Phospho2	ENSMUSG00000027088	724.5737	0.008992	0.075548	0.119019
Ccdc34	ENSMUSG00000027160	1277.395	0.02518	0.088232	0.285381
Usp12	ENSMUSG00000029640	2449.939	-0.2604	0.071944	-3.6195
Adam11	ENSMUSG00000020926	103.5373	-0.03153	0.11379	-0.27706
Bbs5	ENSMUSG00000063145	288.4661	0.014064	0.09311	0.15105
Fam193b	ENSMUSG00000021495	1721.841	-0.2148	0.073101	-2.9384
Zfp260	ENSMUSG00000049421	1875.033	0.061486	0.098284	0.625595
1500015A	ENSMUSG00000098702	329.4919	-0.16571	0.117843	-1.40619
Mink1	ENSMUSG00000020827	2402.396	0.082636	0.069857	1.182944

Gm4673	ENSMUSG00000097750	219.867	-0.2018	0.117594	-1.71609
Oas2	ENSMUSG00000032690	83.97287	-0.08026	0.141426	-0.56753
Josd1	ENSMUSG00000022426	2198.761	-0.08454	0.105424	-0.80187
A530058N	ENSMUSG00000087694	818.9667	-0.3156	0.084224	-3.74715
Mpc1	ENSMUSG00000023861	5234.698	-0.01358	0.097779	-0.13893
Pcdhb22	ENSMUSG00000073591	321.2729	-0.01133	0.109273	-0.10365
Eif4e3	ENSMUSG00000093661	638.4831	-0.42791	0.115293	-3.71153
Ccdc97	ENSMUSG00000002608	2238.203	0.030631	0.092167	0.332342
Gm6211	ENSMUSG00000091577	55.34637	0.021316	0.13595	0.156791
Psph	ENSMUSG00000029446	1198.321	0.12065	0.145756	0.827757
Abhd5	ENSMUSG00000032540	886.3099	-0.03846	0.077195	-0.49821
Rita1	ENSMUSG00000029600	462.8601	0.045684	0.090697	0.503702
Olfr366	ENSMUSG00000068947	41.44385	0.005135	0.144336	0.035577
Spire2	ENSMUSG00000010154	619.6523	-0.02175	0.106337	-0.20451
St7l	ENSMUSG00000045576	1111.79	-0.15818	0.106452	-1.48591
Sirt1	ENSMUSG00000020063	775.9976	-0.07524	0.121202	-0.62077
Rbl1	ENSMUSG00000027641	1218.781	-0.0559	0.099045	-0.56435
Flad1	ENSMUSG00000042642	657.9133	-0.23957	0.080895	-2.96153
Ulk3	ENSMUSG00000032308	713.1773	-0.23151	0.091919	-2.51869
Tmem159	ENSMUSG00000030917	329.1192	0.024801	0.138377	0.17923
Abcg4	ENSMUSG00000032131	44.02151	-0.21325	0.144742	-1.47331
Banp	ENSMUSG00000025316	686.4728	-0.04295	0.132193	-0.32489
Isl2	ENSMUSG00000032318	57.51666	-0.12582	0.139593	-0.90136
Thy1	ENSMUSG00000032011	72.60818	-0.15566	0.139689	-1.11433
Eps8	ENSMUSG00000015766	1112.107	0.1296	0.094853	1.366332
Cwc22	ENSMUSG00000027014	930.8566	-0.15822	0.078066	-2.02682
Apobec1	ENSMUSG00000040613	899.8405	-0.18993	0.122713	-1.54774
Naa40	ENSMUSG00000024764	2266.248	-0.26701	0.083391	-3.2019
Cd40	ENSMUSG00000017652	116.2998	-0.24266	0.140401	-1.72837
Ube3b	ENSMUSG00000029577	2382.978	-0.29343	0.069604	-4.21573
Phf12	ENSMUSG00000037791	2056.287	-0.14849	0.094709	-1.56781
Celsr1	ENSMUSG00000016028	244.9305	-0.25946	0.129102	-2.00974
Zfp874a	ENSMUSG00000069206	185.8149	-0.06173	0.10423	-0.59227
Zfp780b	ENSMUSG00000063047	422.7528	-0.09351	0.090766	-1.03021
Gm6741	ENSMUSG00000043346	201.6383	-0.18229	0.134409	-1.35626
Pds5a	ENSMUSG00000029202	3362.723	-0.10112	0.099412	-1.01719
Rapgef1	ENSMUSG00000039844	3011.964	-0.09555	0.068602	-1.39289
Otud7b	ENSMUSG00000038495	868.3966	-0.05768	0.077886	-0.74055
Coro2b	ENSMUSG00000041729	8741.77	-0.11076	0.08776	-1.26208
Prkra	ENSMUSG00000002731	549.2387	-0.04785	0.124319	-0.38488
Lsg1	ENSMUSG00000022538	1444.396	0.068327	0.080487	0.848916
Ttc41	ENSMUSG00000044937	109.4287	-0.25645	0.12153	-2.11014
Bend4	ENSMUSG00000092060	56.29809	-0.14981	0.141586	-1.0581
Aldh16a1	ENSMUSG00000007833	1830.06	-0.11345	0.100018	-1.13426
Spsb1	ENSMUSG00000039911	208.6142	-0.02593	0.116397	-0.22273
Jun	ENSMUSG00000052684	1127.948	-0.34783	0.113151	-3.074
Mzf1	ENSMUSG00000030380	275.3604	-0.05436	0.096847	-0.56129
2510002D	ENSMUSG00000071632	608.1662	-0.0009	0.09248	-0.00975
Rufy2	ENSMUSG00000020070	1206.179	-0.15218	0.100079	-1.5206
Gm14410	ENSMUSG00000078870	309.5179	0.084663	0.104149	0.812905
Bcl3	ENSMUSG00000053175	449.1517	-0.14237	0.116238	-1.22482
Slc7a6os	ENSMUSG00000033106	976.9862	-0.06543	0.088304	-0.74093

Rnf149	ENSMUSG00000048234	736.0546	-0.19331	0.081149	-2.3821
Ssu72	ENSMUSG00000029038	1801.575	-0.0598	0.093995	-0.63622
Fbxw9	ENSMUSG00000008167	661.5858	0.000841	0.100623	0.008359
Nfkbie	ENSMUSG00000023947	247.6187	-0.11326	0.100115	-1.13131
Hdgf	ENSMUSG00000004897	7536.6	0.00123	0.064813	0.018971
Ctso	ENSMUSG00000028015	1292.571	-0.3883	0.134337	-2.89049
Gfra3	ENSMUSG00000024366	2233.325	0.099584	0.136564	0.729211
Mrps12	ENSMUSG00000045948	1580.682	0.035754	0.090435	0.39536
A230050P	ENSMUSG00000038884	1862.583	-0.14109	0.095186	-1.48222
Mbd6	ENSMUSG00000025409	2566.23	-0.12952	0.093568	-1.38425
Trub1	ENSMUSG00000025086	640.4971	0.075645	0.108532	0.696984
Extl1	ENSMUSG00000028838	42.13016	0.180983	0.145403	1.244698
Dzank1	ENSMUSG00000037259	741.5888	0.180117	0.108839	1.654893
Arfgef1	ENSMUSG00000067851	4259.07	-0.17609	0.108262	-1.62655
Zdhhc21	ENSMUSG00000028403	864.7245	-0.01622	0.086883	-0.18665
Slco1a6	ENSMUSG00000079262	64.92854	-0.02415	0.145103	-0.16642
Tsku	ENSMUSG00000049580	120.5024	-0.26795	0.131488	-2.03782
Exoc4	ENSMUSG00000029763	2847.68	-0.00689	0.076909	-0.08958
Aasdh	ENSMUSG00000055923	293.6429	-0.20747	0.114471	-1.81239
Gm20186	ENSMUSG000000106874	215.2369	-0.14153	0.10023	-1.41209
Slc27a1	ENSMUSG00000031808	681.4157	-0.06089	0.093291	-0.65271
Tcp1l1	ENSMUSG00000027175	362.7059	0.06114	0.14218	0.430021
Rtf1	ENSMUSG00000027304	1399.182	-0.12684	0.068102	-1.86256
Zfat	ENSMUSG00000022335	324.6507	0.063034	0.094604	0.666294
Vdr	ENSMUSG00000022479	898.4524	0.214916	0.131499	1.634353
Myo5b	ENSMUSG00000025885	67.08549	-0.12059	0.145647	-0.82794
Lmtk3	ENSMUSG00000062044	1298.24	-0.07154	0.12608	-0.56738
Mgat4b	ENSMUSG00000036620	1457.25	-0.00011	0.107745	-0.00104
Rassf2	ENSMUSG00000027339	297.3546	0.007655	0.13986	0.054733
Gmcl1	ENSMUSG00000001157	897.5651	-0.08262	0.077116	-1.07139
Zmat1	ENSMUSG00000052676	330.1421	0.089918	0.135474	0.663729
Tomm70a	ENSMUSG00000022752	3636.075	0.180725	0.054726	3.30235
Irak2	ENSMUSG00000060477	72.70209	-0.14653	0.142313	-1.0296
Aarsd1	ENSMUSG00000075528	1655.438	-0.03891	0.098231	-0.39612
Tmem88b	ENSMUSG00000073680	50.27284	-0.10885	0.142674	-0.76296
Irx1	ENSMUSG00000060969	53.05852	-0.24508	0.145851	-1.68032
Ap1ar	ENSMUSG00000074238	1635.443	-0.06028	0.082116	-0.73413
Zfp28	ENSMUSG00000062861	332.9972	-0.07138	0.123355	-0.57864
Gcc2	ENSMUSG000000107275	859.6426	-0.09445	0.071503	-1.32091
Mppe1	ENSMUSG00000062526	196.3475	-0.15205	0.100314	-1.51574
Plxna3	ENSMUSG00000031398	704.7541	0.019232	0.07751	0.248126
Ifih1	ENSMUSG00000026896	124.5748	-0.1942	0.138149	-1.40571
Cenpf	ENSMUSG00000026605	1900.139	-0.14162	0.101395	-1.39668
Dip2a	ENSMUSG00000020231	775.4589	-0.01125	0.102007	-0.1103
Inpp5f	ENSMUSG00000042105	3381.535	-0.0517	0.082368	-0.6277
Rusc2	ENSMUSG00000035969	631.5965	-0.25845	0.097778	-2.64324
Pcgf6	ENSMUSG00000025050	759.3516	-0.14584	0.10332	-1.41157
Blzf1	ENSMUSG00000026577	936.0687	-0.25231	0.077105	-3.27232
Casp6	ENSMUSG00000027997	71.40042	-0.32808	0.142431	-2.30341
Rfesd	ENSMUSG00000043190	406.8955	-0.10304	0.130914	-0.78706
Med18	ENSMUSG00000066042	343.6677	0.016688	0.097083	0.171896
Plek	ENSMUSG00000020120	218.9892	0.02343	0.094113	0.248957

Lrrc8c	ENSMUSG00000054720	172.3346	-0.2381	0.128281	-1.85609
Egln1	ENSMUSG00000031987	3658.771	-0.10765	0.140611	-0.76556
Dcbld2	ENSMUSG00000035107	4306.298	-0.01798	0.100959	-0.17807
Rai1	ENSMUSG00000062115	2097.637	-0.08669	0.088081	-0.98426
Kif5a	ENSMUSG00000074657	775.957	0.110499	0.096193	1.148722
Gm48832	ENSMUSG000000111840	72.68028	0.013097	0.139336	0.093998
Ube2w	ENSMUSG00000025939	1668.003	-0.08595	0.060769	-1.41432
Tmem69	ENSMUSG00000055900	529.4077	-0.0685	0.098363	-0.69643
Kdelc1	ENSMUSG00000026047	494.5095	-0.00898	0.099542	-0.09019
Pus1	ENSMUSG00000029507	646.4016	-0.14458	0.105887	-1.36541
Aass	ENSMUSG00000029695	363.5944	-0.44565	0.111179	-4.00845
Phf2	ENSMUSG00000038025	2033.087	-0.24521	0.104681	-2.34243
Qtrt2	ENSMUSG00000022704	441.4369	-0.15127	0.131278	-1.1523
Acer2	ENSMUSG00000038007	821.9194	-0.0598	0.105272	-0.56807
Clasrp	ENSMUSG00000061028	1072.769	-0.03468	0.09973	-0.34775
Ush1c	ENSMUSG00000030838	702.6439	-0.06037	0.140278	-0.43036
Chchd2	ENSMUSG00000070493	10936.55	0.051868	0.11219	0.462322
A330035P1	ENSMUSG00000085615	71.58411	-0.25585	0.125841	-2.03314
Vps16	ENSMUSG00000027411	2176.497	0.049115	0.092705	0.529803
Clu	ENSMUSG00000022037	3947.242	-0.19666	0.144422	-1.3617
Arhgef17	ENSMUSG00000032875	5386.524	0.194669	0.114156	1.705295
Rnmt	ENSMUSG00000009535	1169.903	0.006459	0.104387	0.061875
Ccpg1os	ENSMUSG00000086158	295.567	0.002568	0.11702	0.021942
Dbp	ENSMUSG00000059824	749.9275	-0.09659	0.117958	-0.81886
Cfap97d2	ENSMUSG00000090336	62.83936	0.004253	0.140643	0.030241
Atg13	ENSMUSG00000027244	2080.062	-0.04456	0.099375	-0.44837
Tgfa	ENSMUSG00000029999	869.8376	0.10132	0.135569	0.747372
Twistnb	ENSMUSG00000020561	440.152	-0.27311	0.082584	-3.30705
C1qtnf6	ENSMUSG00000022440	2239.257	-0.1791	0.130797	-1.3693
Antxr1	ENSMUSG00000033420	46.06136	-0.24192	0.145834	-1.65884
Rgl2	ENSMUSG00000041354	984.6547	-0.08427	0.091587	-0.92007
Cwf19l2	ENSMUSG00000025898	393.4262	-0.01929	0.10453	-0.18454
5730455P1	ENSMUSG00000057181	1213.918	-0.09292	0.089515	-1.03804
Gcc2	ENSMUSG00000038039	859.6426	-0.09445	0.071503	-1.32091
Ddx52	ENSMUSG00000020677	1461.962	-0.08764	0.082025	-1.06851
Tpm1	ENSMUSG00000032366	1404.592	-0.17266	0.094081	-1.83521
Meis1	ENSMUSG00000020160	111.4726	-0.12583	0.144229	-0.87244
Boc	ENSMUSG00000022687	540.4778	-0.36115	0.115418	-3.12909
Gm10033	ENSMUSG000000110444	320.11	-0.06377	0.119944	-0.53163
Esyt3	ENSMUSG00000037681	102.0501	-0.14231	0.142893	-0.99595
Homer3	ENSMUSG00000003573	491.9398	-0.20914	0.139752	-1.49648
Fam124a	ENSMUSG00000035184	595.2141	-0.22063	0.09929	-2.22203
Zcwpw1	ENSMUSG00000037108	446.7592	-0.05232	0.137087	-0.38164
Man2a1	ENSMUSG00000024085	363.3702	-0.19655	0.126568	-1.55289
Npr2	ENSMUSG00000028469	141.2371	-0.19272	0.14346	-1.34335
Adgra3	ENSMUSG00000029090	630.1131	-0.13528	0.116479	-1.16139
Tmem121k	ENSMUSG00000094626	156.2448	-0.21864	0.145635	-1.50127
Rnf40	ENSMUSG00000030816	2137.72	-0.05	0.090731	-0.55105
Arf5	ENSMUSG00000020440	6700.906	-0.09308	0.088777	-1.04846
Bax	ENSMUSG00000003873	2930.401	0.034714	0.101635	0.341551
Echs1	ENSMUSG00000025465	1612.208	0.088094	0.103334	0.852522
Dhcr7	ENSMUSG00000058454	1943.747	-0.25273	0.138072	-1.83044

Pkn1	ENSMUSG00000057672	4662.981	-0.0197	0.13058	-0.15085
Ift52	ENSMUSG00000017858	1482.959	-0.1082	0.103766	-1.04274
Arrdc1	ENSMUSG00000026972	615.2671	-0.12379	0.117622	-1.05241
Cntn2	ENSMUSG00000053024	271.1797	-0.09102	0.133095	-0.68387
Klf5	ENSMUSG00000005148	37.82632	-0.21686	0.144197	-1.50389
Zxda	ENSMUSG00000073060	46.6537	-0.02048	0.053429	-0.38326
Jund	ENSMUSG00000110974	2187.006	-0.11141	0.125586	-0.88708
Shc1	ENSMUSG00000042626	5289.134	-0.10291	0.076065	-1.35294
Zbtb42	ENSMUSG00000037638	196.2654	-0.15588	0.128532	-1.21277
Susd2	ENSMUSG00000006342	213.7279	-0.11414	0.103193	-1.10603
Usp54	ENSMUSG00000034235	573.2646	-0.10053	0.089693	-1.12083
Zfp646	ENSMUSG00000049739	1674.29	-0.12909	0.095009	-1.35874
Cep57	ENSMUSG00000031922	1710.736	0.061241	0.094019	0.651366
Pcdh7	ENSMUSG00000029108	936.7819	-0.16825	0.107728	-1.56182
Bcan	ENSMUSG00000004892	617.358	-0.08044	0.136906	-0.58753
Mfsd1	ENSMUSG00000027775	920.7137	-0.20952	0.099876	-2.09777
Pde6b	ENSMUSG00000029491	98.32967	-0.14491	0.141409	-1.02475
Mmgt2	ENSMUSG00000048497	685.283	-0.21322	0.091849	-2.3214
Pak2	ENSMUSG00000022781	2937.646	0.051693	0.068834	0.750982
Mcm6	ENSMUSG00000026355	10587.95	0.178699	0.067519	2.646659
Arhgef9	ENSMUSG00000025656	906.9605	-0.11855	0.143817	-0.82431
Gys1	ENSMUSG00000003865	2205.197	-0.0343	0.142728	-0.2403
Acvr2b	ENSMUSG000000061393	61.52699	-0.28123	0.138658	-2.02825
Hspb6	ENSMUSG000000036854	1068.45	-0.27771	0.087759	-3.16444
Jund	ENSMUSG00000071076	2187.006	-0.11141	0.125586	-0.88708
Ush1g	ENSMUSG00000045288	257.5407	-0.06701	0.087745	-0.76367
Ei24	ENSMUSG000000062762	3799.457	-0.17454	0.066698	-2.61681
B3gnt2	ENSMUSG000000051650	242.6428	-0.21841	0.143792	-1.51896
Trmt1	ENSMUSG000000001909	2068.96	0.091331	0.118948	0.767825
Dph1	ENSMUSG00000078789	640.2699	-0.13283	0.092158	-1.44135
Pafah2	ENSMUSG00000037366	585.8863	0.141982	0.098738	1.437978
Smad6	ENSMUSG00000036867	242.8011	-0.09864	0.128323	-0.76869
Prpf4	ENSMUSG000000066148	1760.976	-0.16195	0.100792	-1.60672
Fmo1	ENSMUSG00000040181	172.6735	-0.05395	0.123421	-0.43714
A430078G	ENSMUSG00000074497	56.86249	0.06258	0.145975	0.428702
Rbm28	ENSMUSG000000029701	1596.255	0.058583	0.104752	0.559261
Npr1	ENSMUSG00000027931	525.7004	-0.07489	0.122148	-0.61314
Mast2	ENSMUSG000000003810	3466.649	-0.03889	0.083456	-0.46595
Rabep2	ENSMUSG000000030727	687.6246	0.0037	0.078804	0.046946
Pdcd2	ENSMUSG00000014771	618.0354	0.03352	0.112026	0.299214
Clspn	ENSMUSG00000042489	2025.147	-0.02469	0.087542	-0.28203
Pkig	ENSMUSG000000035268	1395.236	-0.02835	0.12063	-0.23501
Mcl1	ENSMUSG000000038612	3380.719	-0.20083	0.06745	-2.97745
Trerf1	ENSMUSG000000064043	671.3358	-0.24056	0.091926	-2.61694
Elmo3	ENSMUSG00000014791	1751.274	-0.06183	0.069241	-0.89292
Gm38190	ENSMUSG00000102302	56.27872	-0.06869	0.140054	-0.49048
Pank2	ENSMUSG000000037514	1512.348	-0.03312	0.090141	-0.36739
Ngly1	ENSMUSG000000021785	642.8493	-0.12969	0.097903	-1.32469
Klhd7a	ENSMUSG000000078234	91.06186	0.03985	0.146006	0.272934
Ky	ENSMUSG000000035606	671.8397	-0.19718	0.129148	-1.5268
Irf1	ENSMUSG00000018899	966.5146	-0.1782	0.086434	-2.06165
Pcdhb16	ENSMUSG00000047910	267.9642	-0.00568	0.116638	-0.0487

Adrb3	ENSMUSG00000031489	516.3868	-0.14092	0.10336	-1.36339
Nrtn	ENSMUSG00000039481	237.5009	-0.16045	0.143938	-1.11474
Capza2	ENSMUSG00000015733	3985.142	0.028103	0.054192	0.518588
Tmem19	ENSMUSG00000069520	1370.096	-0.02683	0.064307	-0.41715
Exosc4	ENSMUSG00000034259	889.0761	-0.0472	0.112815	-0.41836
Nrf1	ENSMUSG00000058440	981.8275	-0.00305	0.076554	-0.03984
Gca	ENSMUSG00000026893	972.687	-0.08523	0.101114	-0.84291
Ndufv1	ENSMUSG00000037916	4656.166	0.063078	0.082061	0.768675
Tut4	ENSMUSG00000034610	1392.8	-0.17812	0.094788	-1.87914
Fcho1	ENSMUSG00000070000	482.6005	-0.12646	0.081414	-1.5533
Mum1	ENSMUSG00000020156	2281.895	-0.06401	0.067657	-0.94607
Arpin	ENSMUSG00000039043	1283.95	-0.03183	0.109983	-0.28942
Timm29	ENSMUSG00000048429	2060.462	0.046864	0.065111	0.719748
Rnf220	ENSMUSG00000028677	1890.329	-0.02684	0.09151	-0.29327
Nr4a3	ENSMUSG00000028341	145.5559	-0.02128	0.141727	-0.15016
2410022M	ENSMUSG000000100017	139.3093	-0.13225	0.140245	-0.943
Pcdhgc5	ENSMUSG000000102543	39.88403	0.09586	0.145914	0.656958
Gnptg	ENSMUSG00000035521	5898.146	-0.05292	0.103393	-0.51184
Cttnbp2	ENSMUSG00000000416	1247.79	-0.32579	0.139227	-2.34
Rasl10b	ENSMUSG00000020684	386.9582	-0.11455	0.142565	-0.8035
Ddx55	ENSMUSG00000029389	916.4083	-0.03885	0.074008	-0.52498
Gata4	ENSMUSG00000021944	210.9711	0.008641	0.142035	0.060839
Relb	ENSMUSG00000002983	425.415	-0.26108	0.129935	-2.00928
Il3ra	ENSMUSG00000068758	255.5233	-0.12563	0.113615	-1.10574
Acad11	ENSMUSG00000090150	1064.508	0.028239	0.076737	0.367999
Fam78b	ENSMUSG00000060568	203.7934	-0.42283	0.138432	-3.05443
Sgk1	ENSMUSG00000019970	262.1892	-0.07589	0.143415	-0.52919
Chrm3	ENSMUSG00000046159	975.6918	-0.33456	0.087277	-3.83336
Pir	ENSMUSG00000031379	585.4002	0.013029	0.096566	0.134923
Anp32e	ENSMUSG00000015749	5556.596	-0.08864	0.081396	-1.08899
Zfp759	ENSMUSG00000057396	111.2238	-0.1946	0.133	-1.46318
Kcnq1ot1	ENSMUSG000000101609	854.1772	0.083911	0.09687	0.866225
Vopp1	ENSMUSG00000037788	862.2379	-0.24246	0.077914	-3.11186
Gm572	ENSMUSG00000070577	88.892	-0.10219	0.134463	-0.76001
Lrsam1	ENSMUSG00000026792	505.9701	-0.00139	0.080763	-0.01725
Cyfip1	ENSMUSG00000030447	2076.241	-0.03788	0.085593	-0.44254
Abhd16a	ENSMUSG00000007036	3222.932	-0.03966	0.05788	-0.68525
Ints6	ENSMUSG00000035161	799.415	-0.09934	0.117969	-0.84211
Rdh16	ENSMUSG00000069456	40.59521	-0.00559	0.1436	-0.0389
Srf	ENSMUSG00000015605	1245.354	-0.03284	0.094446	-0.3477
Ndr3	ENSMUSG00000027634	3933.151	0.036596	0.098937	0.36989
Ubal2	ENSMUSG00000050628	2448.757	-0.0773	0.112007	-0.69018
Pdf	ENSMUSG00000078931	423.4654	0.013302	0.113889	0.1168
Gm13421	ENSMUSG00000085929	74.87914	-0.31603	0.140626	-2.24729
Zfp623	ENSMUSG00000050846	403.9768	-0.08923	0.083071	-1.07415
Micall1	ENSMUSG00000033039	629.5933	-0.1059	0.116469	-0.90927
Large1	ENSMUSG00000004383	410.6128	-0.18809	0.089832	-2.09374
Mfap1a	ENSMUSG00000068479	1615.06	-0.25057	0.076066	-3.29418
Xab2	ENSMUSG00000019470	1525.395	0.019662	0.071016	0.27686
Bms1	ENSMUSG00000030138	1325.537	-0.00143	0.055427	-0.02585
B230216N	ENSMUSG00000089706	454.6174	-0.15511	0.127845	-1.21325
Atp9a	ENSMUSG00000027546	1683.958	-0.02837	0.079667	-0.35616

Adamtsl2	ENSMUSG00000036040	174.1463	-0.13292	0.139413	-0.9534
Uap1l1	ENSMUSG00000026956	3109.29	0.037389	0.145606	0.256782
Ring1	ENSMUSG00000024325	779.9421	-0.09132	0.097238	-0.9391
Lemd2	ENSMUSG00000044857	1595.96	0.020141	0.078979	0.255021
Fbxl13	ENSMUSG00000048520	57.73287	0.004792	0.145886	0.032845
Anapc10	ENSMUSG00000036977	560.5994	0.112734	0.122034	0.923793
Ccdc184	ENSMUSG00000029875	377.5837	-0.05296	0.100553	-0.52671
Rgs11	ENSMUSG00000024186	1673.872	-0.20401	0.141882	-1.4379
Ppp1r3d	ENSMUSG00000049999	184.1322	-0.16222	0.10665	-1.52107
Moxd1	ENSMUSG00000020000	531.3494	-0.19612	0.122493	-1.6011
Palm	ENSMUSG00000035863	662.1283	-0.12074	0.092158	-1.31012
Midn	ENSMUSG00000035621	1619.272	0.005999	0.105374	0.056926
Ttyh1	ENSMUSG00000030428	8144.257	-0.00976	0.142088	-0.06872
Plcb3	ENSMUSG00000024960	644.5703	-0.07078	0.071192	-0.99427
Itgb8	ENSMUSG00000025321	70.56246	-0.28883	0.145481	-1.98536
Afg3l1	ENSMUSG00000031967	2645.731	-0.06991	0.104971	-0.66599
Gtf2h4	ENSMUSG00000001524	626.7775	0.024552	0.10477	0.234346
Zfp120	ENSMUSG00000068134	223.5621	-0.20321	0.100851	-2.01495
Mms19	ENSMUSG00000025159	1782.764	0.01793	0.080417	0.222959
Ikbkb	ENSMUSG00000031537	1430.208	-0.08443	0.067131	-1.25768
Sirt2	ENSMUSG00000015149	2636.661	-0.06537	0.097199	-0.67251
Tnk2	ENSMUSG00000022791	1293.442	-0.06184	0.078195	-0.79089
Epha1	ENSMUSG00000029859	352.5692	-0.12007	0.135033	-0.8892
Megf9	ENSMUSG00000039270	2958.306	-0.01918	0.109991	-0.17439
Styk1	ENSMUSG00000032899	544.4673	0.218463	0.089674	2.436182
Ggnbp1	ENSMUSG00000048731	239.1692	-0.16551	0.127533	-1.29779
2610037D	ENSMUSG00000097536	47.14306	-0.07816	0.142873	-0.54708
Ciao1	ENSMUSG00000003662	1572.078	-0.07576	0.112849	-0.67131
Dlg4	ENSMUSG00000020886	2211.763	-0.05194	0.085569	-0.607
Adssl1	ENSMUSG00000011148	320.2793	0.00825	0.140643	0.058658
Elov1	ENSMUSG00000006390	1654.497	-0.14934	0.085304	-1.75074
Aars2	ENSMUSG00000023938	641.1459	0.025627	0.079315	0.323107
C1d	ENSMUSG00000000581	1095.906	-0.05164	0.092928	-0.55566
Zfp553	ENSMUSG00000045598	715.2814	-0.11242	0.075763	-1.4839
Kyat3	ENSMUSG00000040213	191.9813	-0.19792	0.139754	-1.41621
DstyK	ENSMUSG00000042046	909.1584	-0.06849	0.107292	-0.63835
Ccdc57	ENSMUSG00000048445	262.8976	-0.18887	0.110052	-1.71623
Gpc4	ENSMUSG00000031119	634.2271	-0.29405	0.109705	-2.68035
Zfp229	ENSMUSG000000061544	207.5127	0.103115	0.116244	0.887059
Gm1976	ENSMUSG00000066057	171.5126	-0.17661	0.137459	-1.28479
Cmc2	ENSMUSG00000014633	1080.681	0.073195	0.117693	0.621911
Suds3	ENSMUSG00000066900	2476.606	-0.06191	0.077907	-0.79463
Ppp1ca	ENSMUSG00000040385	6575.179	-0.12989	0.08784	-1.47873
Ppp1ca	ENSMUSG00000096994	6575.179	-0.12989	0.08784	-1.47873
Megf11	ENSMUSG00000036466	228.8165	-0.20012	0.135269	-1.47939
Jpx	ENSMUSG00000097571	77.29129	-0.0272	0.14503	-0.18755
NlrX1	ENSMUSG00000032109	166.05	-0.08558	0.139361	-0.6141
Jade1	ENSMUSG00000025764	3013.243	-0.07959	0.125054	-0.63645
Tada3	ENSMUSG00000048930	1315.962	-0.07008	0.091753	-0.76381
Pdia6	ENSMUSG00000020571	22238.92	0.148767	0.110481	1.346537
Bicral	ENSMUSG00000036568	687.6151	-0.25324	0.104011	-2.43478
Zfp119b	ENSMUSG00000062101	227.7596	-0.17917	0.103211	-1.736

Cd209c	ENSMUSG00000040165	1495.974	0.015659	0.145713	0.107467
Tmem267	ENSMUSG00000074634	118.7497	-0.15696	0.133254	-1.1779
Harbi1	ENSMUSG00000027243	275.6088	-0.07612	0.095744	-0.79502
Ldlr	ENSMUSG00000032193	3439.129	-0.03765	0.133687	-0.28162
Gc	ENSMUSG00000035540	7285.148	-0.38582	0.126932	-3.03954
Ttbk1	ENSMUSG00000015599	1048.61	0.134885	0.113778	1.185512
Nt5c	ENSMUSG00000020736	603.1352	-0.04935	0.112663	-0.43802
Slc9a9	ENSMUSG00000031129	74.3937	-0.22848	0.130108	-1.7561
Fat4	ENSMUSG00000046743	141.5646	-0.3371	0.133475	-2.52558
Tmem107	ENSMUSG00000020895	1364.89	-0.12753	0.096385	-1.32316
Usp16	ENSMUSG00000025616	3264.603	-0.05584	0.099498	-0.56125
Zfp157	ENSMUSG00000036898	587.85	-0.04925	0.079558	-0.61906
Mvb12a	ENSMUSG00000031813	2450.629	0.060499	0.106448	0.568347
Smim12	ENSMUSG00000042380	362.5151	-0.14358	0.103998	-1.38058
Gpa33	ENSMUSG00000000544	165.6246	-0.19941	0.143917	-1.38556
Scrt2	ENSMUSG00000060257	42.60656	-0.40207	0.145859	-2.75654
Ank3	ENSMUSG00000069601	1463.87	-0.03337	0.113511	-0.29394
Rccd1	ENSMUSG00000038930	236.2262	-0.04241	0.098113	-0.4323
Txndc12	ENSMUSG00000028567	2368.104	0.054325	0.073798	0.736129
Dyrk3	ENSMUSG00000016526	621.3107	-0.05256	0.082903	-0.63395
Airn	ENSMUSG00000078247	105.8026	0.062344	0.122284	0.509832
Acat1	ENSMUSG00000032047	5757.973	0.113963	0.115935	0.982987
Tusc1	ENSMUSG00000054000	228.4137	-0.1129	0.123951	-0.91084
Amotl1	ENSMUSG00000013076	103.9834	0.110932	0.145808	0.760805
Zfp300	ENSMUSG00000031079	70.118	-0.02701	0.139478	-0.19363
Ccdc71	ENSMUSG00000049305	800.5996	-0.15565	0.081565	-1.9083
Gm34655	ENSMUSG00000110863	37.74774	-0.05385	0.145702	-0.36956
Uckl1	ENSMUSG00000089917	1142.612	-0.11485	0.109712	-1.0468
Sv2b	ENSMUSG00000053025	3652.087	-0.19681	0.134896	-1.45898
Frrs1	ENSMUSG00000033386	346.9468	-0.05461	0.145477	-0.37541
Olfr149	ENSMUSG00000062121	37.57903	0.092941	0.144264	0.64424
Firre	ENSMUSG00000085396	1530.303	-0.12361	0.086743	-1.42497
Naaa	ENSMUSG00000029413	760.9266	-0.01106	0.106944	-0.10345
Smg5	ENSMUSG00000001415	3226.282	-0.06588	0.10108	-0.65173
Arsg	ENSMUSG00000020604	114.6546	-0.15087	0.141833	-1.0637
Zfp146	ENSMUSG00000037029	908.2491	-0.07075	0.104364	-0.67789
2810429I0	ENSMUSG00000097709	326.9754	0.07669	0.11505	0.666577
Fam129b	ENSMUSG00000026796	753.6894	0.189124	0.129641	1.458825
Nat6	ENSMUSG00000079334	770.8384	-0.13971	0.108922	-1.28267
Kcnq3	ENSMUSG00000056258	123.7205	-0.09428	0.144093	-0.65427
Cblb	ENSMUSG00000022637	623.2544	-0.22211	0.078894	-2.81531
Coq4	ENSMUSG00000026798	465.4344	-0.05914	0.104662	-0.56502
Fmn1	ENSMUSG00000044042	148.0162	-0.0502	0.144533	-0.34734
Cdk17	ENSMUSG00000020015	258.5516	-0.18481	0.114089	-1.61984
Exosc5	ENSMUSG00000061286	1040.445	-0.06409	0.099914	-0.6415
Fut4	ENSMUSG00000049307	125.1702	-0.19219	0.134439	-1.42958
C2cd4b	ENSMUSG00000091956	1993.005	-0.10099	0.133403	-0.75705
Zfp281	ENSMUSG00000041483	277.5656	-0.22788	0.111216	-2.04903
Platr14	ENSMUSG00000086454	38.10673	-0.03764	0.145647	-0.25845
Zfp939	ENSMUSG00000030424	104.3345	-0.18102	0.116613	-1.55232
Rnf121	ENSMUSG00000070426	1302.219	0.112263	0.076527	1.466967
Itpr1	ENSMUSG00000030102	709.2342	0.050847	0.142538	0.356725

Traf6	ENSMUSG00000027164	1289.326	-0.30025	0.105621	-2.84269
Gfm1	ENSMUSG00000027774	978.4117	0.026855	0.081395	0.329937
Cntn1	ENSMUSG00000055022	2585.8	-0.14719	0.100328	-1.46711
Cdh24	ENSMUSG00000059674	600.1648	-0.0775	0.105706	-0.73316
Tgoln1	ENSMUSG00000056429	7999.305	-0.14693	0.08682	-1.69239
Ccdc120	ENSMUSG00000031150	529.0957	0.057553	0.104625	0.550087
Ttc39aos1	ENSMUSG00000085873	214.9653	-0.09935	0.146005	-0.68046
Dexi	ENSMUSG00000038055	522.7628	-0.1222	0.126393	-0.96684
A230059L	ENSMUSG00000087627	254.554	0.115536	0.124738	0.926223
Shank1	ENSMUSG00000038738	40.99072	0.167536	0.142607	1.174813
Mfsd3	ENSMUSG00000019080	336.5696	-0.1153	0.101581	-1.13504
Unc93b1	ENSMUSG00000036908	108.7832	-0.25448	0.145473	-1.74931
Fbrsl1	ENSMUSG00000043323	2469.894	-0.07473	0.083044	-0.8999
Crtap	ENSMUSG00000032431	534.8313	-0.01119	0.133647	-0.08375
H3f3a	ENSMUSG00000060743	16528.35	-0.12833	0.066078	-1.94209
Cgn	ENSMUSG00000068876	1373.841	-0.10538	0.100302	-1.05059
Crsl1	ENSMUSG00000027357	783.8782	-0.04856	0.125059	-0.38826
Jag1	ENSMUSG00000027276	55.78818	-0.1911	0.145972	-1.30913
Slc41a2	ENSMUSG00000034591	989.2524	0.022704	0.102286	0.221965
Speg	ENSMUSG00000026207	364.786	-0.23013	0.144999	-1.58709
Tmem143	ENSMUSG00000002781	535.4147	-0.19447	0.094101	-2.06655
Mrpl52	ENSMUSG00000010406	917.927	0.13327	0.122766	1.08556
Rnf4	ENSMUSG00000029110	3227.498	-0.04658	0.073917	-0.63018
Nfil3	ENSMUSG00000056749	699.0563	-0.10076	0.133289	-0.75595
Gm26782	ENSMUSG00000097431	369.3623	0.031061	0.123908	0.250676
Rslcan18	ENSMUSG00000074824	65.34643	0.090208	0.131873	0.684049
Plcl1	ENSMUSG00000038349	91.671	-0.27436	0.135726	-2.02146
Gm5113	ENSMUSG00000066647	275.9664	0.027982	0.107494	0.260309
MLxip	ENSMUSG00000038342	1005.819	-0.24151	0.10821	-2.23186
Ypel4	ENSMUSG00000034059	307.0493	-0.16746	0.141789	-1.18108
Zfp180	ENSMUSG00000057101	1182.563	-0.17871	0.093016	-1.92127
Mib1	ENSMUSG00000024294	1884.871	-0.08057	0.060324	-1.33564
Fkbp5	ENSMUSG00000024222	2326.347	-0.05317	0.126306	-0.421
Elp4	ENSMUSG00000027167	841.3572	0.19543	0.089501	2.183553
Jmjd1c	ENSMUSG00000037876	1144.331	-0.12608	0.130766	-0.96418
Fry	ENSMUSG00000056602	845.7497	0.099429	0.086936	1.143697
4732496C	ENSMUSG00000108456	159.7851	-0.20312	0.139134	-1.45992
Adam15	ENSMUSG00000028041	1485.684	-0.05636	0.121569	-0.46358
Casr	ENSMUSG00000051980	197.6039	-0.09578	0.139385	-0.68717
Med11	ENSMUSG00000018923	794.6226	-0.02489	0.102747	-0.24221
Rfxank	ENSMUSG00000036120	443.6776	-0.03033	0.12146	-0.24969
Tns2	ENSMUSG00000037003	598.2701	-0.09948	0.104763	-0.94961
Tmem176k	ENSMUSG00000029810	5047.899	-0.15661	0.122492	-1.27851
Lig3	ENSMUSG00000020697	891.4151	-0.06096	0.09953	-0.61248
Crybg2	ENSMUSG00000012123	96.25854	-0.01757	0.130821	-0.13428
Sos2	ENSMUSG00000034801	1064.381	-0.15994	0.080141	-1.99575
Gm16754	ENSMUSG00000097439	224.9261	-0.07594	0.121503	-0.62501
Trim24	ENSMUSG00000029833	1098.781	-0.13431	0.083305	-1.61229
Phactr2	ENSMUSG00000062866	64.73215	-0.27309	0.14237	-1.91814
Dock7	ENSMUSG00000028556	1460.161	-0.03381	0.081374	-0.41553
Prps2	ENSMUSG00000025742	1893.907	-0.1201	0.079011	-1.52006
Zfp668	ENSMUSG00000049728	396.4268	-0.0261	0.12288	-0.21237

22104180	ENSMUSG00000078894	440.9897	0.112947	0.109642	1.030139
Shisa7	ENSMUSG00000053550	105.666	-0.24251	0.141753	-1.71083
Klhl14	ENSMUSG00000042514	154.7329	-0.29018	0.144828	-2.00362
E330020D	ENSMUSG00000073538	36.70832	0.010127	0.139544	0.072572
Zfp277	ENSMUSG00000055917	714.5168	0.07097	0.083574	0.849178
Ifrd2	ENSMUSG00000010048	676.8839	0.005302	0.111747	0.047448
Phc3	ENSMUSG00000037652	850.5538	-0.09305	0.091616	-1.01567
Prr12	ENSMUSG00000046574	1763.562	0.071959	0.09724	0.740017
Gpsm2	ENSMUSG00000027883	1241.709	-0.05905	0.088998	-0.66351
Arhgef5	ENSMUSG00000033542	1103.282	-0.06937	0.090117	-0.76977
B9d2	ENSMUSG00000063439	838.7005	-0.17647	0.108627	-1.62452
Nmral1	ENSMUSG00000063445	1893.089	0.055109	0.109875	0.50156
Cab39	ENSMUSG00000036707	3513.793	-0.00439	0.082131	-0.05347
Naa16	ENSMUSG00000022020	619.2087	-0.09677	0.124029	-0.78024
Ksr1	ENSMUSG00000018334	125.3282	-0.06971	0.141079	-0.49412
Lpcat4	ENSMUSG00000027134	667.6966	-0.08891	0.096336	-0.9229
Garnl3	ENSMUSG00000038860	136.5258	0.1366	0.145089	0.941493
Ogg1	ENSMUSG00000030271	389.0521	-0.13787	0.083193	-1.65717
Zc2hc1c	ENSMUSG00000045064	445.1497	-0.01976	0.124485	-0.15871
Chek2	ENSMUSG00000029521	511.2748	0.0045	0.101139	0.044497
Kremen1	ENSMUSG00000020393	491.014	0.079268	0.089699	0.883712
Dbn1	ENSMUSG00000034675	556.4985	-0.16173	0.088463	-1.82825
Ddx27	ENSMUSG00000017999	1892.17	0.023463	0.064819	0.361979
Elf3	ENSMUSG00000003051	1190.076	-0.05134	0.134726	-0.38104
Slc27a4	ENSMUSG00000059316	3003.488	-0.10586	0.074955	-1.41226
Bcas3	ENSMUSG00000059439	489.5543	-0.10047	0.116783	-0.86028
Snx11	ENSMUSG00000020876	1091.422	0.065824	0.14594	0.451036
Eaf1	ENSMUSG00000021890	3138.217	-0.16241	0.070824	-2.29321
Ppm1h	ENSMUSG00000034613	1221.514	-0.14012	0.098725	-1.41926
Dbpht2	ENSMUSG00000029878	261.7199	-0.01719	0.127789	-0.13452
Spsb4	ENSMUSG00000046997	759.2487	-0.20015	0.090468	-2.21237
Mtg2	ENSMUSG00000039069	579.4951	-0.05529	0.091785	-0.60237
Plod3	ENSMUSG00000004846	3158.164	-0.07264	0.12052	-0.60272
Hsd17b11	ENSMUSG00000029311	361.7178	-0.43736	0.098991	-4.41819
Rpl10a-ps1	ENSMUSG00000084416	4930.799	0.161508	0.10116	1.596557
Efna2	ENSMUSG00000003070	102.4109	-0.2589	0.143366	-1.80583
Odf2l	ENSMUSG00000028256	813.5112	-0.12785	0.082577	-1.5482
Gm20518	ENSMUSG00000092470	177.1	0.01597	0.137703	0.115975
Snrpe	ENSMUSG00000090553	2388.299	0.167699	0.093561	1.792408
Zc3h4	ENSMUSG00000059273	2360.892	-0.07394	0.099897	-0.74012
Zfp212	ENSMUSG00000052763	730.2176	-0.14048	0.076323	-1.84066
Mir124a-1	ENSMUSG00000097545	849.8036	-0.07517	0.128104	-0.58678
Mon1b	ENSMUSG00000078908	885.9628	-0.13596	0.125395	-1.08429
Zfp719	ENSMUSG00000030469	502.6059	-0.08533	0.118377	-0.72081
Nat8f4	ENSMUSG00000068299	311.3501	-0.1654	0.107972	-1.5319
Cd81	ENSMUSG00000037706	1997.22	-0.19399	0.098009	-1.97936
Epm2a	ENSMUSG00000055493	341.7889	-0.11866	0.132739	-0.89394
2210016F1	ENSMUSG00000021550	1147.314	-0.07671	0.118565	-0.64699
Csnk1g1	ENSMUSG00000032384	905.1783	-0.06965	0.085653	-0.81316
Nop16	ENSMUSG00000025869	685.9697	0.079347	0.093687	0.846932
Zfp24	ENSMUSG00000051469	1950.147	-0.17543	0.121623	-1.44242
Ust	ENSMUSG00000047712	702.1913	-0.24613	0.091049	-2.70325

Dmrt2	ENSMUSG00000048138	72.37677	-0.15634	0.142874	-1.09422
Marcks	ENSMUSG00000069662	3982.236	-0.1647	0.102938	-1.60003
Mrps10	ENSMUSG00000034729	966.3127	-0.0086	0.095925	-0.08962
Serpine2	ENSMUSG00000026249	71.34286	-0.1064	0.141393	-0.75251
Btbd19	ENSMUSG00000073771	71.3532	-0.18939	0.140174	-1.35113
Pisd-ps1	ENSMUSG00000082286	183.7494	-0.0968	0.138688	-0.69798
Tbcb	ENSMUSG00000006095	2629.327	0.180355	0.139745	1.290598
Cst6	ENSMUSG00000024846	163.6865	-0.15674	0.143413	-1.09293
Prdm9	ENSMUSG00000051977	144.7946	-0.11714	0.131493	-0.89081
Gm30373	ENSMUSG00000111758	385.8971	0.020975	0.121942	0.172007
Zfp951	ENSMUSG00000072774	216.0561	-0.13133	0.115673	-1.13534
Tas1r3	ENSMUSG00000029072	77.86607	-0.05994	0.133639	-0.44851
Ptprj	ENSMUSG00000025314	1220.214	-0.34897	0.11845	-2.94611
Tmcc3	ENSMUSG00000020023	298.8233	-0.02947	0.123016	-0.23954
Gm45551	ENSMUSG00000109916	428.7393	0.0003	0.113345	0.002647
Abhd17b	ENSMUSG00000047368	838.8124	0.083586	0.079642	1.049527
Eif2b2	ENSMUSG00000004788	1815.022	-0.02243	0.096789	-0.2317
9330111N	ENSMUSG00000097098	69.22038	-0.12398	0.140755	-0.88085
Ppp2r2b	ENSMUSG00000024500	1038.879	-0.13562	0.145498	-0.93212
Cpox	ENSMUSG00000022742	1548.613	-0.2123	0.137219	-1.54715
Gm26848	ENSMUSG00000097723	120.8435	-0.04334	0.127297	-0.34044
Chst8	ENSMUSG00000060402	1124.088	-0.06959	0.087223	-0.79779
Foxo4	ENSMUSG00000042903	330.9595	-0.12478	0.140344	-0.88912
Tram1	ENSMUSG00000025935	9907.244	-0.01772	0.115974	-0.15282
Tecpr1	ENSMUSG00000066621	2135.879	0.160315	0.12424	1.290359
Dhx38	ENSMUSG00000037993	1756.015	-0.01973	0.106276	-0.18564
Ocel1	ENSMUSG00000002396	684.2317	-0.10737	0.106208	-1.01091
Fancf	ENSMUSG00000092118	466.6642	-0.17838	0.087176	-2.04618
Chn1	ENSMUSG00000056486	1102.388	-0.19057	0.119976	-1.58838
Mtmt11	ENSMUSG00000045934	535.1514	-0.08616	0.121062	-0.71167
Cyth2	ENSMUSG00000003269	4202.677	-0.04364	0.080568	-0.54161
Zfp773	ENSMUSG00000063535	141.2107	0.019	0.129398	0.146832
Rmnd1	ENSMUSG00000019763	811.8202	0.030996	0.085043	0.364481
Mta3	ENSMUSG00000055817	816.1655	-0.074	0.134629	-0.54966
Ccdc144b	ENSMUSG00000047696	42.35735	0.276011	0.144429	1.911055
Shc4	ENSMUSG00000035109	152.5765	-0.22312	0.125708	-1.77493
Epha5	ENSMUSG00000029245	686.7299	-0.01531	0.102041	-0.15008
Sptbn4	ENSMUSG00000011751	2140.686	-0.19459	0.076537	-2.54238
Adcy7	ENSMUSG00000031659	347.5684	-0.22539	0.132492	-1.70116
E2f2	ENSMUSG00000018983	1904.638	-0.13315	0.08438	-1.57802
Rspo1	ENSMUSG00000028871	258.0625	-0.14323	0.128883	-1.11133
Zfp446	ENSMUSG00000033961	347.2876	-0.20734	0.102279	-2.02723
Cryz	ENSMUSG00000028199	383.1961	-0.16317	0.11574	-1.40983
Kirrel3os	ENSMUSG00000053889	41.89916	0.024378	0.140531	0.173468
Gm10221	ENSMUSG00000067719	126.0031	-0.10086	0.081555	-1.23672
Gpc6	ENSMUSG00000058571	907.147	0.020013	0.11992	0.166885
Eno2	ENSMUSG00000004267	1931.297	-0.19107	0.102675	-1.86095
Fgl2	ENSMUSG00000039899	413.411	-0.26871	0.145092	-1.85197
Intu	ENSMUSG00000060798	528.1538	-0.09399	0.093671	-1.0034
Nutf2-ps1	ENSMUSG00000071497	2635.138	0.169098	0.091577	1.846512
Fbxo6	ENSMUSG00000055401	355.6392	-0.11939	0.115744	-1.03149
Tmem132k	ENSMUSG00000070498	190.4688	-0.10676	0.126447	-0.84435

B3gnt11	ENSMUSG00000046605	158.2809	-0.17644	0.129545	-1.362
Serhl	ENSMUSG00000058586	889.9568	-0.10165	0.125701	-0.8087
Acsf3	ENSMUSG00000015016	950.5324	-0.1314	0.079904	-1.64448
Furin	ENSMUSG00000030530	3523.349	-0.12043	0.12636	-0.95308
Gm43847	ENSMUSG000000105753	40.71145	0.185285	0.143331	1.292705
Nol11	ENSMUSG00000018433	1306.758	0.159074	0.084213	1.888951
Naip2	ENSMUSG00000078945	150.8487	-0.11646	0.127975	-0.90998
2610301B2	ENSMUSG00000059482	528.3808	-0.11901	0.093939	-1.2669
Ilkap	ENSMUSG00000026309	2414.063	0.082344	0.07168	1.148774
Mgea5	ENSMUSG00000025220	3624.176	-0.0659	0.057703	-1.142
Polg	ENSMUSG00000039176	1868.822	-0.2143	0.114431	-1.87278
Ddx23	ENSMUSG00000003360	2471.021	0.012393	0.055668	0.222614
Spg11	ENSMUSG00000033396	1148.091	-0.11532	0.106488	-1.08295
Sntb2	ENSMUSG00000041308	489.6282	-0.11661	0.135116	-0.86304
Btbd9	ENSMUSG00000062202	1024.501	-0.0849	0.083235	-1.02003
Smg6	ENSMUSG00000038290	882.6578	-0.10941	0.086093	-1.27079
Ehmt1	ENSMUSG00000036893	1022.506	-0.20139	0.086595	-2.32565
Nefh	ENSMUSG00000020396	1367.95	-0.16692	0.104836	-1.59224
Cyb561d2	ENSMUSG00000037190	564.3653	-0.03809	0.116533	-0.32689
Zfp459	ENSMUSG00000055560	49.62919	-0.04809	0.143966	-0.33401
Mapk10	ENSMUSG00000046709	1551.367	-0.04029	0.100241	-0.40188
Nfyb	ENSMUSG00000020248	1217.46	-0.11398	0.086517	-1.31743
Nmd3	ENSMUSG00000027787	1681.828	-0.05916	0.063947	-0.92513
Acap3	ENSMUSG00000029033	1862.839	-0.07715	0.075327	-1.02425
Cops8	ENSMUSG00000034432	2366.204	-0.12576	0.075749	-1.66022
Akap6	ENSMUSG00000061603	65.4975	-0.21234	0.145041	-1.46404
Znfx1	ENSMUSG00000039501	1058.002	-0.0683	0.093719	-0.72882
Cog4	ENSMUSG00000031753	2747.706	0.063326	0.070765	0.894878
Btbd1	ENSMUSG00000025103	3304.979	0.103586	0.111882	0.925849
Rps6ka3	ENSMUSG00000031309	1939.198	-0.05974	0.085908	-0.69545
Pex1	ENSMUSG00000005907	849.4879	-0.00983	0.091096	-0.10794
Piga	ENSMUSG00000031381	744.8978	-0.02923	0.117802	-0.24812
Parvb	ENSMUSG00000022438	2172.617	-0.19479	0.125639	-1.55036
4930570G	ENSMUSG00000085084	141.8853	-0.16603	0.131369	-1.26384
Grik3	ENSMUSG00000001985	263.0721	0.07068	0.137828	0.512812
Sema4c	ENSMUSG00000026121	240.7824	-0.1589	0.140089	-1.13431
Klf11	ENSMUSG00000020653	343.0892	-0.2311	0.085893	-2.69061
Bcl11a	ENSMUSG00000000861	157.3337	0.041217	0.141012	0.292296
Crebl2	ENSMUSG00000032652	507.4921	0.007633	0.128215	0.059532
Fam57a	ENSMUSG00000069808	842.9486	-0.34	0.095176	-3.57236
Gnal	ENSMUSG00000024524	112.4088	-0.20032	0.117592	-1.70349
Ntpcr	ENSMUSG00000031851	330.3703	-0.06099	0.118141	-0.51627
Lrch1	ENSMUSG00000068015	866.3823	-0.03339	0.114301	-0.29217
Gle1	ENSMUSG00000019715	2031.239	0.060577	0.081918	0.739486
Ctnnbl1	ENSMUSG00000027649	2124.231	0.035137	0.066164	0.53105
Zfp182	ENSMUSG00000054737	243.5927	-0.11186	0.110515	-1.0122
Tmem234	ENSMUSG00000028797	3858.306	-0.20891	0.07998	-2.61205
Srcin1	ENSMUSG00000038453	696.3465	-0.10545	0.120952	-0.87186
Ptpn6	ENSMUSG00000004266	979.7992	0.101263	0.120258	0.842047
Clcc1	ENSMUSG00000027884	1367.765	-0.07921	0.083802	-0.94516
Elf2	ENSMUSG00000037174	1680.373	-0.09021	0.085108	-1.0599
Strn4	ENSMUSG00000030374	5891.472	0.056931	0.072389	0.786468

Tmem2	ENSMUSG00000024754	1053.773	-0.19956	0.11041	-1.80745
Tcf24	ENSMUSG00000099032	377.1002	-0.07319	0.119566	-0.61216
Galnt9	ENSMUSG00000033316	455.1585	-0.24373	0.095143	-2.56177
Plekhg6	ENSMUSG00000038167	2227.183	0.119	0.123727	0.961791
Sv2a	ENSMUSG00000038486	5584.227	-0.04793	0.100282	-0.47797
Mga	ENSMUSG00000033943	2659.885	0.055093	0.142189	0.387461
Stx2	ENSMUSG00000029428	643.6544	-0.16391	0.087141	-1.88096
Mbp	ENSMUSG00000041607	2719.514	-0.03408	0.078942	-0.43176
Fam174b	ENSMUSG00000078670	4801.794	-0.11899	0.117658	-1.01135
Ccs	ENSMUSG00000034108	583.8245	0.036797	0.121209	0.303581
Lyst	ENSMUSG00000019726	690.4533	-0.08004	0.139986	-0.57181
Atxn1l	ENSMUSG00000069895	1709.589	-0.20997	0.126401	-1.66115
Xrcc4	ENSMUSG00000021615	416.7415	0.077714	0.118744	0.654463
Cct8	ENSMUSG00000025613	13297.75	0.092849	0.064223	1.445733
Gch1	ENSMUSG00000037580	1873.635	-0.14343	0.091421	-1.56888
Ppp1r9b	ENSMUSG00000038976	2772.934	-0.04287	0.108432	-0.39532
Cep112	ENSMUSG00000020728	174.5173	-0.034	0.133055	-0.25551
Eif2ak2	ENSMUSG00000024079	475.9409	0.036279	0.129866	0.279358
Spop	ENSMUSG00000057522	2968.227	-0.10515	0.064183	-1.63828
Rapgef1l	ENSMUSG00000038020	87.77808	-0.01719	0.140175	-0.12264
Dpp10	ENSMUSG00000036815	824.4006	0.056765	0.137382	0.413192
Tln1	ENSMUSG00000028465	3291.791	0.090269	0.066793	1.351463
Mapkap1	ENSMUSG00000038696	432.266	-0.1332	0.085474	-1.55833
Plekha5	ENSMUSG00000030231	890.3665	-0.04432	0.092432	-0.47945
Coro7	ENSMUSG00000039637	1546.387	0.044334	0.097486	0.454767
Map6d1	ENSMUSG00000041205	81.58835	0.09861	0.134003	0.735878
Dalrd3	ENSMUSG00000019039	1553.148	-0.07081	0.077097	-0.9185
Itsn2	ENSMUSG00000020640	974.4071	-0.19635	0.115937	-1.69361
Aoc2	ENSMUSG00000078651	167.0973	-0.15472	0.109277	-1.41586
Dctn1	ENSMUSG00000031865	6937.002	-0.04924	0.078152	-0.63003
Eef1akmt1	ENSMUSG00000021951	574.6137	-0.0238	0.118666	-0.20056
Xpc	ENSMUSG00000030094	373.3855	-0.23574	0.095418	-2.47063
Ing2	ENSMUSG00000063049	1468.51	-0.04808	0.103275	-0.46559
Cyb561	ENSMUSG00000019590	3201.224	-0.15595	0.065159	-2.39339
Atxn1	ENSMUSG00000046876	691.9162	-0.2248	0.106971	-2.10151
Rrp1b	ENSMUSG00000058392	664.596	0.026361	0.110606	0.238336
B4galt5	ENSMUSG00000017929	1282.439	0.122581	0.10115	1.211874
5930430LC	ENSMUSG000000106951	117.1592	-0.12696	0.121224	-1.04729
Zfp526	ENSMUSG00000046541	271.362	0.019184	0.118397	0.16203
E4f1	ENSMUSG00000024137	648.5494	-0.01314	0.076383	-0.17198
Znrf3	ENSMUSG00000041961	192.8657	-0.30348	0.112684	-2.69317
Trmt10b	ENSMUSG00000035601	417.3812	0.053574	0.087424	0.612808
Mrgbp	ENSMUSG00000027569	633.7985	-0.09389	0.094082	-0.99793
Usp6nl	ENSMUSG00000039046	596.492	-0.09583	0.097523	-0.98264
2500004CC	ENSMUSG00000073236	184.7109	-0.19607	0.111609	-1.75676
Paqr3	ENSMUSG00000055725	261.0059	0.07382	0.131944	0.559477
Hmx2	ENSMUSG00000050100	264.9083	-0.14497	0.125712	-1.15322
Xlr3a	ENSMUSG00000057836	1924.891	-0.11376	0.068572	-1.65895
Endov	ENSMUSG00000039850	890.9	-0.14476	0.115857	-1.24948
Cdc14a	ENSMUSG00000033502	94.68234	-0.13257	0.139792	-0.94831
Rab3d	ENSMUSG00000019066	4434.411	-0.17305	0.085364	-2.02717
B930095G	ENSMUSG00000085133	537.0562	-0.17786	0.095184	-1.86857

Epb41l5	ENSMUSG00000026383	952.5319	-0.06765	0.070832	-0.9551
Gm42688	ENSMUSG00000079511	202.6008	-0.07574	0.133146	-0.56883
49305200i	ENSMUSG00000074039	60.18477	0.01543	0.14442	0.10684
Rps9	ENSMUSG00000006333	14817.47	0.119425	0.100958	1.182927
Slc44a1	ENSMUSG00000028412	3501.573	-0.09733	0.070916	-1.37243
Hnrnpa0	ENSMUSG00000007836	3123.461	-0.02739	0.103634	-0.26432
Ccdc61	ENSMUSG00000074358	447.0769	0.052756	0.118752	0.444252
Nmnat3	ENSMUSG00000032456	257.456	-0.24806	0.114201	-2.17215
Celf3	ENSMUSG00000028137	5529.837	0.001284	0.103933	0.012351
Stk16	ENSMUSG00000026201	2448.985	0.007277	0.081334	0.089468
Ptk2b	ENSMUSG00000059456	235.2468	-0.03317	0.12852	-0.25806
Hpf1	ENSMUSG00000038005	2684.759	0.090297	0.085633	1.054471
Ppp3cc	ENSMUSG00000022092	333.8951	-0.16617	0.138263	-1.20181
Osbp13	ENSMUSG00000029822	418.6844	-0.18339	0.104482	-1.7552
Dnajc7	ENSMUSG00000014195	2971.495	0.112198	0.087549	1.281546
Med9	ENSMUSG00000061650	1176.752	-0.14742	0.104288	-1.41358
Tmem28	ENSMUSG00000071719	422.4056	-0.21217	0.114112	-1.85932
Fam129a	ENSMUSG00000026483	895.9188	-0.11221	0.124134	-0.90392
Arnt	ENSMUSG00000015522	1517.392	-0.12859	0.088649	-1.45057
Tmem106c	ENSMUSG00000052369	1553.868	-0.11873	0.106339	-1.11657
Pnpla3	ENSMUSG00000041653	165.1235	-0.15187	0.12082	-1.25697
Inpp5k	ENSMUSG00000006127	710.2213	-0.23251	0.090971	-2.55586
Glis1	ENSMUSG00000034762	136.9064	-0.07552	0.145774	-0.51804
Epn1	ENSMUSG00000035203	7883.467	0.086596	0.107324	0.806868
Bag5	ENSMUSG00000049792	1028.863	-0.03782	0.061564	-0.61437
Pla2g2d	ENSMUSG00000041202	792.3996	-0.24283	0.125066	-1.94159
Rnf182	ENSMUSG00000044164	139.0323	-0.29094	0.136061	-2.13833
Zfp658	ENSMUSG00000056592	161.1311	-0.23477	0.111091	-2.11334
Agap2	ENSMUSG00000025422	522.281	-0.22572	0.12575	-1.79499
Usp36	ENSMUSG00000033909	1423.868	-0.12047	0.065263	-1.84591
Dhx32	ENSMUSG00000030986	2604.801	-0.10757	0.085912	-1.25204
Parp2	ENSMUSG00000036023	1265.939	-0.02478	0.066178	-0.37444
Gm9776	ENSMUSG00000042857	183.341	-0.07953	0.137897	-0.57673
Uap1	ENSMUSG00000026670	1603.57	-0.01774	0.071118	-0.24946
Cwc25	ENSMUSG00000018541	739.8127	-0.00957	0.073127	-0.13089
Nipal2	ENSMUSG00000038879	448.2925	-0.41985	0.094341	-4.45034
Nop53	ENSMUSG00000041560	3251.128	-0.0168	0.106535	-0.15768
Rgs17	ENSMUSG00000019775	577.6739	-0.00956	0.135154	-0.07073
lqce	ENSMUSG00000036555	784.8544	-0.12833	0.104702	-1.22569
Il1b	ENSMUSG00000027398	110.4342	-0.38374	0.138732	-2.76605
Zkscan6	ENSMUSG00000018347	533.0687	-0.08513	0.07087	-1.20119
Zfp873	ENSMUSG000000061371	187.7974	-0.00928	0.097471	-0.09523
Rbfox3	ENSMUSG00000025576	37.83932	-0.18005	0.145953	-1.23365
Gucy2c	ENSMUSG00000042638	3839.094	-0.12484	0.116553	-1.07112
Kctd11	ENSMUSG00000046731	252.0242	-0.11635	0.099616	-1.16794
Efnb1	ENSMUSG00000031217	254.6017	-0.19645	0.118008	-1.6647
Las1l	ENSMUSG00000057421	1196.647	-0.02773	0.090872	-0.30515
Icosl	ENSMUSG00000000732	141.8004	-0.24954	0.134324	-1.85776
Arhgap21	ENSMUSG00000036591	2581.121	0.011824	0.11541	0.102449
Agbl5	ENSMUSG00000029165	950.7776	-0.23713	0.088199	-2.68861
Pak6	ENSMUSG00000074923	448.1663	-0.38259	0.114538	-3.34032
C130013H1	ENSMUSG000000105509	168.5344	-0.26775	0.110405	-2.42519

Iah1	ENSMUSG00000062054	830.5505	-0.08446	0.122374	-0.6902
Rps2	ENSMUSG00000044533	27272.5	0.160872	0.105182	1.529463
Mrpl4	ENSMUSG00000003299	2099.419	0.017279	0.086468	0.199833
Slc39a13	ENSMUSG00000002105	1074.297	0.090853	0.095397	0.95236
Rars2	ENSMUSG000000028292	882.1003	-0.11907	0.126731	-0.93957
Hadha	ENSMUSG000000025745	3729.88	0.068468	0.058482	1.170752
Zfp688	ENSMUSG000000045251	445.4495	-0.17181	0.103974	-1.65243
Zbtb44	ENSMUSG000000047412	892.5426	0.002554	0.138033	0.018505
Nle1	ENSMUSG000000020692	334.5451	-0.16762	0.102427	-1.63652
Exoc3l	ENSMUSG000000043251	203.7994	-0.13901	0.122699	-1.13293
Ostf1	ENSMUSG000000024725	705.5401	-0.04826	0.102987	-0.46864
Smarcad1	ENSMUSG000000029920	1332.371	-0.04551	0.074043	-0.61469
Ncoa5	ENSMUSG000000039804	2070.028	0.000534	0.062681	0.008524
Gm6410	ENSMUSG000000097308	95.23025	0.082077	0.131895	0.622292
Gm10101	ENSMUSG000000061510	84.47496	-0.01584	0.136399	-0.11613
Ccdc47	ENSMUSG000000078622	3854.628	0.084157	0.091219	0.922588
Nr2f6	ENSMUSG000000002393	1056.923	-0.11852	0.113391	-1.04526
Rfxap	ENSMUSG000000036615	723.5608	0.040905	0.11004	0.37173
Tes	ENSMUSG000000029552	526.9148	-0.39778	0.120878	-3.29071
Krr1	ENSMUSG000000063334	1330.287	-0.03896	0.073202	-0.53224
Fbxo10	ENSMUSG000000048232	402.7823	-0.10201	0.122772	-0.8309
2210016L2	ENSMUSG000000029559	2452.164	0.036931	0.074913	0.492987
Zfp882	ENSMUSG000000089857	133.4649	-0.12186	0.139637	-0.87266
Gga3	ENSMUSG000000020740	1100.174	-0.11022	0.085712	-1.28591
Coprs	ENSMUSG000000031458	1047.155	0.134651	0.137507	0.979227
Pds5b	ENSMUSG000000034021	2137.939	-0.0093	0.081719	-0.11377
Rad1	ENSMUSG000000022248	628.0392	-0.03143	0.092966	-0.33808
Man1b1	ENSMUSG000000036646	3245.015	-0.10635	0.056983	-1.86633
BC005537	ENSMUSG000000019132	7556.09	0.073461	0.071677	1.024878
Lap3	ENSMUSG000000039682	1967.526	0.001279	0.099627	0.012839
Homez	ENSMUSG000000057156	449.0285	-0.2291	0.130917	-1.74998
1110046J0	ENSMUSG000000085457	56.96701	0.103399	0.145913	0.708631
A730020E0	ENSMUSG000000097924	167.3586	-0.04569	0.128245	-0.35626
Disc1	ENSMUSG000000043051	112.3916	-0.03896	0.137678	-0.283
Slc20a2	ENSMUSG000000037656	738.1501	-0.14059	0.108151	-1.29994
Nktr	ENSMUSG000000032525	5661.895	-0.01699	0.135896	-0.12501
Caskin1	ENSMUSG000000033597	352.6113	-0.13308	0.10642	-1.25052
Tet1	ENSMUSG000000047146	176.1903	0.159327	0.145264	1.096803
Ptov1	ENSMUSG000000038502	6731.976	0.033712	0.075103	0.448883
Numb1	ENSMUSG000000063160	1078.045	-0.06159	0.105042	-0.58633
Tmem179	ENSMUSG000000054013	309.0253	-0.03461	0.145204	-0.23835
Ina	ENSMUSG000000034336	2523.921	-0.20142	0.097711	-2.06141
Sfswap	ENSMUSG000000029439	1906.172	0.046576	0.089991	0.517561
Nlgn1	ENSMUSG000000063887	45.69712	-0.29155	0.145951	-1.9976
A930016O	ENSMUSG000000040705	103.6102	0.021187	0.127833	0.165741
Mapk7	ENSMUSG000000001034	1230.637	-0.06968	0.094999	-0.73351
Plekhb2	ENSMUSG000000026123	4034.675	-0.12811	0.064673	-1.98091
Wapl	ENSMUSG000000041408	2846.382	0.073952	0.08144	0.90806
Herc6	ENSMUSG000000029798	402.2092	-0.02742	0.113	-0.24267
P4ha2	ENSMUSG000000018906	2301.935	-0.09411	0.127188	-0.7399
Oxnad1	ENSMUSG000000021906	825.035	0.057224	0.098537	0.580735
Fndc9	ENSMUSG000000048721	203.1735	-0.11956	0.145022	-0.82444

Oplah	ENSMUSG00000022562	225.2019	-0.22544	0.133806	-1.68485
Fuca2	ENSMUSG00000019810	2380.122	-0.25584	0.111387	-2.29686
Gm13563	ENSMUSG000000085767	103.7459	-0.04762	0.138232	-0.34448
Erlec1	ENSMUSG00000020311	2214.516	-0.0133	0.059007	-0.22537
Pidd1	ENSMUSG00000025507	1024.025	-0.09813	0.069648	-1.40888
Gm45447	ENSMUSG000000109780	86.31055	-0.0485	0.126892	-0.38222
Fos	ENSMUSG00000021250	609.5456	-0.16775	0.145176	-1.15547
Crot	ENSMUSG00000003623	1525.302	-0.0252	0.106227	-0.23719
Kif17	ENSMUSG00000028758	72.11731	-0.06723	0.1292	-0.52035
Galnt11	ENSMUSG00000038072	875.1219	-0.21528	0.073848	-2.91515
St7	ENSMUSG00000029534	224.8023	-0.19834	0.122688	-1.61665
Desi2	ENSMUSG000000111522	409.6922	-0.09871	0.126271	-0.7817
Trim21	ENSMUSG00000030966	139.8495	-0.16612	0.117994	-1.40788
Eva1b	ENSMUSG00000050212	1344.27	0.055183	0.100504	0.549064
Cdca7	ENSMUSG00000055612	395.2451	-0.05961	0.100292	-0.59439
Scfd2	ENSMUSG00000062110	648.2922	0.04001	0.100527	0.397996
Puf60	ENSMUSG00000002524	5391.948	0.025345	0.06896	0.367539
Cerk	ENSMUSG00000035891	5954.223	-0.12221	0.10444	-1.17012
Hnrnpul1	ENSMUSG00000040725	6757.985	-0.10512	0.066351	-1.58433
Gon4l	ENSMUSG00000054199	2367.703	-0.07052	0.064638	-1.09095
Ankrd33b	ENSMUSG00000022237	1368.727	-0.07938	0.074811	-1.06108
Zbed4	ENSMUSG00000034333	1080.01	-0.31663	0.11409	-2.77531
1700019D	ENSMUSG00000043629	750.2153	0.009667	0.135683	0.071247
Malt1	ENSMUSG00000032688	406.5032	-0.09193	0.107032	-0.85894
Il13ra1	ENSMUSG00000017057	760.0059	-0.02826	0.117696	-0.24012
Pdxdc1	ENSMUSG00000022680	5000.863	0.083188	0.060857	1.366942
Gnb1	ENSMUSG00000029064	13314.04	0.09775	0.07291	1.340685
Wipi2	ENSMUSG00000029578	2531.335	-0.0492	0.054447	-0.90356
Kdm3b	ENSMUSG00000038773	1494.858	-0.13052	0.091191	-1.43124
4931414P1	ENSMUSG00000022179	371.8371	-0.06417	0.091941	-0.698
Otud5	ENSMUSG00000031154	2398.265	0.060234	0.080728	0.746135
Fam229b	ENSMUSG00000051736	243.8337	-0.08987	0.144157	-0.62342
Gtf2ird1	ENSMUSG00000023079	1363.97	-0.08177	0.111821	-0.73127
Etv3	ENSMUSG00000003382	510.6028	-0.15532	0.099511	-1.56079
Chst2	ENSMUSG00000033350	70.48099	0.040779	0.145402	0.280454
Tbc1d4	ENSMUSG00000033083	1021.17	0.103821	0.111694	0.929511
Haus2	ENSMUSG00000027285	750.0589	-0.03651	0.094641	-0.38579
Trnt1	ENSMUSG00000013736	1320.432	0.0305	0.071951	0.423898
Igfbp4	ENSMUSG00000017493	123.2651	0.018485	0.125082	0.147787
Atg16l2	ENSMUSG00000047767	960.6703	0.051517	0.101751	0.506303
Evpl	ENSMUSG00000034282	1598.066	0.071142	0.121262	0.586682
Top3b	ENSMUSG00000022779	1229.794	-0.0429	0.079925	-0.53674
Mb21d1	ENSMUSG00000032344	539.2711	-0.10736	0.104805	-1.0244
Pomk	ENSMUSG00000037251	292.9338	-0.08059	0.099816	-0.80736
Gm38947	ENSMUSG000000110365	80.92291	-0.01358	0.131046	-0.10366
Synj2	ENSMUSG00000023805	84.94554	-0.08052	0.144189	-0.55842
Phlda1	ENSMUSG00000020205	1301.599	0.000602	0.111196	0.005411
Acot8	ENSMUSG00000017307	628.5652	0.051667	0.11344	0.455462
Dynlt1c	ENSMUSG00000000579	1240.857	-0.01949	0.101934	-0.19116
Mafa	ENSMUSG00000047591	4578.128	0.127228	0.0911	1.396573
Vps33a	ENSMUSG00000029434	1809.784	-0.10481	0.061892	-1.69336
Zfp444	ENSMUSG00000044876	717.9782	0.0903	0.091011	0.99219

Tasp1	ENSMUSG00000039033	512.6508	-0.1182	0.079733	-1.48246
Rad54l	ENSMUSG00000028702	973.3261	0.13418	0.09097	1.474985
Dyrk2	ENSMUSG00000028630	260.9322	-0.08568	0.139384	-0.61472
4632427E1	ENSMUSG00000074024	90.47435	-0.05265	0.144445	-0.36453
Uchl1	ENSMUSG00000029223	3824.415	0.003374	0.108731	0.031034
Ddx17	ENSMUSG00000055065	11079.3	-0.06686	0.096328	-0.69406
Frk	ENSMUSG00000019779	488.7903	-0.22787	0.103051	-2.21127
Ptprs	ENSMUSG00000013236	4087.995	-0.21443	0.093063	-2.30414
Desi2	ENSMUSG00000026502	409.6922	-0.09871	0.126271	-0.7817
Ggh	ENSMUSG00000073987	1193.313	-0.20181	0.099288	-2.03263
Tyro3	ENSMUSG00000027298	94.43918	-0.17301	0.136896	-1.26383
Fam241b	ENSMUSG00000020083	262.7518	-0.01829	0.110318	-0.16578
Ythdc2	ENSMUSG00000034653	559.1568	-0.01806	0.127768	-0.14136
Scaper	ENSMUSG00000034007	687.8283	0.000222	0.10635	0.002092
Fam167a	ENSMUSG00000035095	479.5472	-0.18241	0.07743	-2.3558
Irf6	ENSMUSG00000026638	1342.912	-0.02058	0.106707	-0.19287
Ccdc174	ENSMUSG00000034083	628.2191	-0.00082	0.085585	-0.0096
St6galnac5	ENSMUSG00000039037	906.5662	-0.17694	0.115859	-1.52723
Arhgap18	ENSMUSG00000039031	349.5673	0.055893	0.087786	0.636691
Aip	ENSMUSG00000097319	1112.34	0.07343	0.087567	0.838562
Rtn4	ENSMUSG00000020458	9985.248	0.045987	0.070272	0.654415
Lsm4	ENSMUSG00000110900	1545.594	-0.02464	0.114123	-0.21587
Baz2a	ENSMUSG00000040054	2405.428	-0.05649	0.092852	-0.60837
Zfp715	ENSMUSG00000012640	508.9883	-0.11544	0.135552	-0.85165
Rap2a	ENSMUSG00000051615	1059.212	-0.07682	0.072435	-1.06058
Lrrc57	ENSMUSG00000027286	728.2181	0.029298	0.073349	0.399432
Prcc1	ENSMUSG00000024594	2421.768	-0.05055	0.111623	-0.45282
Borcs5	ENSMUSG00000042992	327.7374	-0.07399	0.111587	-0.66303
Rras	ENSMUSG00000038387	208.5428	-0.1583	0.113332	-1.3968
Ppp1r3f	ENSMUSG00000039556	418.4375	0.003109	0.139911	0.022219
Ddb2	ENSMUSG00000002109	489.3632	-0.11894	0.099991	-1.1895
Cenpl	ENSMUSG00000026708	703.2003	-0.12986	0.06992	-1.8573
Gcfc2	ENSMUSG00000035125	321.9606	-0.14475	0.138449	-1.04554
Th	ENSMUSG00000000214	1025.05	0.098851	0.145266	0.680483
Lins1	ENSMUSG00000053091	449.8295	0.080152	0.097291	0.823837
Zbtb49	ENSMUSG00000029127	213.7754	-0.09605	0.102912	-0.93329
Gar1	ENSMUSG00000028010	352.4797	-0.02912	0.096025	-0.30327
5430405H	ENSMUSG00000085741	158.1662	-0.05716	0.117786	-0.48531
Abca2	ENSMUSG00000026944	2580.319	-0.07491	0.11018	-0.67987
C2cd3	ENSMUSG00000047248	1816.284	-0.09602	0.092827	-1.03442
Tiam1	ENSMUSG00000002489	1247.111	0.00713	0.089274	0.079863
Cep57l1	ENSMUSG00000019813	359.2039	-0.21449	0.091329	-2.34856
Gm45062	ENSMUSG00000107705	1880.291	-0.26648	0.108705	-2.45143
Rab4b	ENSMUSG00000053291	1985.926	0.054176	0.122732	0.441419
Parp1	ENSMUSG00000026496	5025.968	0.087209	0.077111	1.130963
Ptgr2	ENSMUSG00000072946	1650.051	0.046938	0.060396	0.777161
9930012K1	ENSMUSG00000044551	42.02423	-0.11829	0.145954	-0.81048
Fam20c	ENSMUSG00000025854	4298.573	-0.12589	0.084582	-1.48841
Cish	ENSMUSG00000032578	1155.555	-0.28633	0.145631	-1.96614
Hexb	ENSMUSG00000021665	1668.874	-0.28703	0.131276	-2.18643
Pcdh10	ENSMUSG00000049100	995.8131	-0.13355	0.095387	-1.4001
Slc46a3	ENSMUSG00000029650	110.69	-0.16693	0.138637	-1.20409

Npas4	ENSMUSG00000045903	480.3035	-0.21581	0.122113	-1.76727
Naif1	ENSMUSG00000039164	254.0506	-0.08482	0.091582	-0.92616
Slc8a2	ENSMUSG00000030376	335.2442	0.013593	0.146007	0.093099
Arhgef25	ENSMUSG00000019467	531.849	-0.10056	0.080967	-1.24195
Gm10282	ENSMUSG00000070713	161.9157	-0.12029	0.138573	-0.86808
Srpkl	ENSMUSG00000004865	2618.875	-0.01158	0.077945	-0.14862
Abca7	ENSMUSG00000035722	6209.767	-0.18052	0.103483	-1.7444
Hras	ENSMUSG00000025499	2342.071	0.085329	0.106971	0.797684
Mgat5	ENSMUSG00000036155	1996.212	-0.12723	0.125433	-1.01433
Atp11b	ENSMUSG00000037400	2775.917	0.023756	0.070251	0.33816
Pitpnm3	ENSMUSG00000040543	510.8545	-0.41193	0.117822	-3.49616
Mospd3	ENSMUSG00000037221	1143.986	0.014972	0.071065	0.210685
Pign	ENSMUSG00000056536	1081.507	0.164758	0.09522	1.730283
Ccar2	ENSMUSG00000033712	2286.305	-0.02572	0.053322	-0.4824
Zfp341	ENSMUSG00000059842	163.6181	-0.02699	0.101289	-0.2665
4932438A	ENSMUSG00000037270	2415.863	0.008394	0.081732	0.102706
Ildr2	ENSMUSG00000040612	384.0109	-0.28918	0.115422	-2.5054
Aldh7a1	ENSMUSG00000053644	945.9238	-0.00913	0.137338	-0.06646
Cox6a2	ENSMUSG00000030785	359.7904	-0.07219	0.141464	-0.51032
Ccdc181	ENSMUSG00000026578	632.2198	-0.05451	0.09206	-0.59216
C2cd2l	ENSMUSG00000032120	2758.711	-0.08878	0.122934	-0.72216
Gm5148	ENSMUSG00000058174	78.81668	-0.27381	0.144348	-1.89687
Dohh	ENSMUSG00000078440	2379.828	0.009428	0.103081	0.091463
Prdm10	ENSMUSG00000042496	500.4248	-0.01195	0.089658	-0.1333
Fbxl15	ENSMUSG00000025226	1318.511	0.061428	0.112699	0.545065
Hes6	ENSMUSG00000067071	2007.867	0.000408	0.086433	0.004718
Arf3	ENSMUSG00000051853	6038.672	-0.13465	0.074941	-1.79674
Gas2l3	ENSMUSG00000074802	989.6549	-0.1396	0.107279	-1.30132
Tmed9	ENSMUSG00000058569	5875.656	0.007049	0.081436	0.086562
Rnaseh2a	ENSMUSG00000052926	2091.05	0.04482	0.117508	0.381423
Dnajc11	ENSMUSG00000039768	1854.752	-0.04345	0.075008	-0.57924
Coq8a	ENSMUSG00000026489	277.2971	-0.05296	0.134473	-0.3938
Pex11b	ENSMUSG00000028102	809.0097	-0.13538	0.076256	-1.77529
Epha2	ENSMUSG00000006445	121.102	-0.17184	0.143777	-1.19522
Arhgef2	ENSMUSG00000028059	1234.268	-0.11399	0.114888	-0.99215
Lrrfip1	ENSMUSG00000026305	832.7487	-0.01036	0.099157	-0.10445
Kcnd1	ENSMUSG00000009731	670.8456	0.009649	0.141748	0.068073
Lpin2	ENSMUSG00000024052	725.1618	0.023291	0.127878	0.182138
Bri3bp	ENSMUSG00000037905	1176.362	0.054878	0.101902	0.538537
Epb41l4b	ENSMUSG00000028434	2908.705	-0.22157	0.051517	-4.30087
Lsm4	ENSMUSG00000031848	1545.594	-0.02464	0.114123	-0.21587
Rrp1	ENSMUSG000000061032	6775.633	0.014563	0.066852	0.217841
Fam214a	ENSMUSG00000034858	481.0983	0.020883	0.118915	0.175615
Pam	ENSMUSG00000026335	13627.83	-0.08606	0.067751	-1.27031
BC017158	ENSMUSG00000030780	1372.852	-0.28546	0.074777	-3.81756
Dnajb5	ENSMUSG00000036052	402.0873	-0.10464	0.098112	-1.06651
Taf4b	ENSMUSG00000054321	203.3185	-0.18582	0.139554	-1.33151
Fam173a	ENSMUSG00000057411	1388.639	-0.02813	0.110827	-0.25379
Rps21	ENSMUSG00000039001	5851.188	0.147409	0.112785	1.306995
Trim7	ENSMUSG00000040350	122.0093	-0.02272	0.133418	-0.17027
Ep400	ENSMUSG00000029505	2977.038	-0.05853	0.109813	-0.53303
Phf14	ENSMUSG00000029629	1172.339	-0.01483	0.103286	-0.14362

Lrrc61	ENSMUSG00000073096	445.0016	-0.10244	0.101155	-1.01266
Ltbr	ENSMUSG00000030339	1851.452	-0.01193	0.102787	-0.11605
D17Wsu92	ENSMUSG00000056692	3532.404	0.018737	0.053304	0.351513
Klhdc8a	ENSMUSG00000042115	560.3915	-0.22575	0.113108	-1.99588
Pif1	ENSMUSG00000041064	610.1395	-0.11655	0.075265	-1.54853
Elmsan1	ENSMUSG00000042507	625.0121	-0.19756	0.128182	-1.54122
Plxnb1	ENSMUSG00000053646	2570.708	-0.14437	0.110594	-1.30537
Fam90a1b	ENSMUSG00000043549	75.53019	-0.1336	0.145218	-0.91998
Trim14	ENSMUSG00000039853	72.04537	-0.16266	0.126876	-1.282
Nfs1	ENSMUSG00000027618	1119.62	-0.07793	0.070548	-1.10466
Snf8	ENSMUSG00000006058	1943.428	0.109602	0.10454	1.048429
Fkrp	ENSMUSG00000048920	1391.272	-0.05907	0.070055	-0.84325
Aip	ENSMUSG00000024847	1112.34	0.07343	0.087567	0.838562
Reln	ENSMUSG00000042453	1083.41	-0.34115	0.143338	-2.38007
Tymp	ENSMUSG00000022615	148.461	-0.20502	0.117924	-1.7386
Nrsn1	ENSMUSG00000048978	820.7054	-0.21755	0.091157	-2.38651
Wdr13	ENSMUSG00000031166	2023.253	-0.08673	0.096298	-0.90063
Six1	ENSMUSG00000051367	321.9813	-0.4066	0.115477	-3.52107
Brap	ENSMUSG00000029458	1473.829	-0.06085	0.118608	-0.51305
Kif12	ENSMUSG00000028357	5720.59	0.073599	0.14394	0.511314
Wdr77	ENSMUSG00000000561	2368.819	0.077949	0.079681	0.978267
Slc18a1	ENSMUSG00000036330	591.6126	-0.12841	0.102275	-1.25553
Taok3	ENSMUSG00000061288	1121.891	-0.01578	0.077616	-0.20336
Nipsnap2	ENSMUSG00000029432	1305.685	-0.05691	0.12204	-0.46633
Eif6	ENSMUSG00000027613	3471.137	0.081115	0.10313	0.786534
Cct6a	ENSMUSG00000029447	8530.109	0.160522	0.096263	1.667544
Zfp276	ENSMUSG00000001065	678.7291	-0.04602	0.090511	-0.5085
Gm3854	ENSMUSG000000109398	132.6857	0.035093	0.114443	0.306642
Thg1l	ENSMUSG00000011254	214.4656	-0.11496	0.11714	-0.98137
Pctp	ENSMUSG00000020553	133.8679	-0.27812	0.137459	-2.02329
Slco5a1	ENSMUSG00000025938	260.9561	-0.30477	0.123311	-2.47155
Tsr1	ENSMUSG00000038335	2451.191	0.064408	0.073903	0.871521
Smco4	ENSMUSG00000058173	121.3479	-0.28163	0.123755	-2.27572
Setd4	ENSMUSG00000022948	222.7288	-0.0574	0.117367	-0.48908
Comm4	ENSMUSG00000032299	1421.697	-0.03399	0.10382	-0.32737
Ccng1	ENSMUSG00000020326	2679.143	-0.26607	0.096581	-2.75486
Nt5m	ENSMUSG00000032615	696.7928	0.0148	0.124831	0.118559
Sh3rf1	ENSMUSG00000031642	303.894	-0.24088	0.096024	-2.50851
Pcmt1	ENSMUSG00000051285	2416.894	0.001722	0.097393	0.017685
Ubxn8	ENSMUSG00000052906	947.4107	-0.00448	0.085538	-0.05235
Inka2	ENSMUSG00000048458	601.3105	-0.00746	0.128819	-0.05793
Pknox2	ENSMUSG00000035934	287.8758	-0.15501	0.122575	-1.26459
Rab22a	ENSMUSG00000027519	2637.835	0.047243	0.082405	0.573304
Rmi2	ENSMUSG00000037991	515.7022	-0.14813	0.105588	-1.40289
Thbs3	ENSMUSG00000028047	328.9901	0.010155	0.145621	0.069738
Ftx	ENSMUSG00000086370	744.8531	-0.12341	0.101092	-1.22074
Prkrip1	ENSMUSG00000039737	731.0979	0.071165	0.130069	0.547135
Rnf10	ENSMUSG00000041740	7586.749	0.041791	0.05315	0.786281
Gsto1	ENSMUSG00000025068	577.0319	-0.15998	0.143205	-1.1171
Dars2	ENSMUSG00000026709	722.8638	0.032789	0.081322	0.403196
Gm47113	ENSMUSG000000111465	36.62998	0.212032	0.145758	1.454689
Cdad1	ENSMUSG00000021982	740.9922	-0.12625	0.068862	-1.8334

Msto1	ENSMUSG00000068922	1108.288	0.171102	0.098889	1.730249
Phex	ENSMUSG00000057457	119.5652	0.064681	0.113118	0.571803
Zfp438	ENSMUSG00000050945	129.1326	-0.14098	0.114267	-1.23374
Avpi1	ENSMUSG00000018821	188.1581	-0.07749	0.12442	-0.62284
Luc7l3	ENSMUSG00000020863	3553.222	0.082149	0.070511	1.165051
Gm45627	ENSMUSG000000109846	489.1145	0.039774	0.088341	0.450231
Sgsm1	ENSMUSG00000042216	1598.412	-0.02807	0.145565	-0.19286
Saysd1	ENSMUSG00000045107	435.3423	-0.0562	0.119082	-0.47196
Zkscan5	ENSMUSG00000055991	403.5835	-0.0484	0.089292	-0.54205
Spef1	ENSMUSG00000027329	531.8652	-0.14143	0.145766	-0.97027
Tank	ENSMUSG00000064289	692.9415	-0.1235	0.084862	-1.4553
Rbbp5	ENSMUSG00000026439	1307.851	-0.04602	0.059848	-0.76892
Rara	ENSMUSG00000037992	176.4575	-0.23701	0.130595	-1.81486
Slc16a2	ENSMUSG00000033965	76.71885	-0.09908	0.144458	-0.68586
Ccdc8	ENSMUSG00000041117	385.269	-0.11203	0.126039	-0.88883
Klf12	ENSMUSG00000072294	37.11847	-0.04059	0.139016	-0.29196
Pnpla7	ENSMUSG00000036833	206.8287	-0.10627	0.121297	-0.87612
Secisbp2l	ENSMUSG00000035093	1162.231	0.007867	0.110226	0.07137
Nuak2	ENSMUSG00000009772	1227.018	-0.2237	0.100333	-2.22961
Mob3c	ENSMUSG00000028709	356.9635	-0.22662	0.105192	-2.15434
Pick1	ENSMUSG00000068206	1944.026	0.044372	0.065334	0.67916
Rbfox1	ENSMUSG00000008658	210.3934	-0.06874	0.140885	-0.48791
Zfp704	ENSMUSG00000040209	1607.764	-0.18482	0.123891	-1.49177
Qsox1	ENSMUSG00000033684	6819.555	0.019172	0.125495	0.15277
Tmem183a	ENSMUSG00000042305	3555.437	0.04995	0.073881	0.676086
Rmnd5a	ENSMUSG00000002222	2886.891	-0.17217	0.116068	-1.48335
Prkce	ENSMUSG00000045038	1698.29	-0.12739	0.077272	-1.64862
Ice2	ENSMUSG00000032235	221.2952	-0.06812	0.126695	-0.53769
Zhx2	ENSMUSG00000071757	502.2062	-0.05383	0.128979	-0.41734
Zfp691	ENSMUSG00000045268	148.8531	-0.12588	0.145949	-0.86247
Cdan1	ENSMUSG00000027284	1098.974	-0.11654	0.100288	-1.16203
Lhx2	ENSMUSG00000000247	522.9201	-0.10747	0.134402	-0.79961
Ccdc155	ENSMUSG00000038292	234.9964	0.173518	0.121616	1.426774
Mlh1	ENSMUSG00000032498	883.4032	0.026301	0.101289	0.259661
Dennd2c	ENSMUSG00000007379	105.3229	-0.06921	0.123861	-0.55881
Zfp758	ENSMUSG00000044501	380.803	-0.10381	0.119717	-0.86712
Tab3	ENSMUSG00000035476	586.0157	-0.05105	0.087558	-0.5831
Zfp507	ENSMUSG00000044452	930.6352	-0.10637	0.114139	-0.93196
Gsn	ENSMUSG00000026879	1029.014	-0.25873	0.088395	-2.92696
Csk	ENSMUSG00000032312	1489.394	-0.06583	0.068961	-0.95466
Eya1	ENSMUSG00000025932	3441.653	-0.08531	0.12751	-0.66906
Cenpb	ENSMUSG00000068267	4946.258	-0.04579	0.078792	-0.58112
Chst11	ENSMUSG00000034612	11706.87	-0.33657	0.090474	-3.72002
Txndc16	ENSMUSG00000021830	2171.75	0.02405	0.065471	0.367341
Gm5641	ENSMUSG00000069014	9450.496	-0.14751	0.089447	-1.64912
Cep89	ENSMUSG00000023072	1244.083	0.062094	0.085639	0.725064
Numa1	ENSMUSG00000066306	4496.346	-0.1089	0.074752	-1.45685
Kdm4b	ENSMUSG00000024201	2161.567	-0.00855	0.144529	-0.05919
Cops7b	ENSMUSG00000026240	720.2249	-0.11688	0.080183	-1.45762
Fam234a	ENSMUSG00000024187	4961.698	-0.1681	0.087049	-1.93108
Exoc7	ENSMUSG00000020792	2449.863	0.178518	0.131633	1.356178
Nab2	ENSMUSG00000025402	730.8245	-0.17566	0.128663	-1.36528

Prpsap2	ENSMUSG00000020528	1311.701	0.078552	0.116037	0.676958
Prpf19	ENSMUSG00000024735	7257.203	0.026698	0.061803	0.431981
Mbtd1	ENSMUSG00000059474	797.1077	-0.08652	0.125273	-0.69065
Zc3h7b	ENSMUSG00000022390	2459.147	-0.1053	0.094693	-1.11205
5530601H	ENSMUSG00000087174	369.9386	-0.03435	0.123953	-0.27708
Tpk1	ENSMUSG00000029735	341.508	-0.03451	0.100728	-0.34259
Zfp995	ENSMUSG00000078546	226.2361	-0.2182	0.108709	-2.00724
Taco1	ENSMUSG00000001983	241.7929	-0.16033	0.101773	-1.57532
Nupl2	ENSMUSG00000048439	331.3975	-0.05343	0.093664	-0.57041
Cdc40	ENSMUSG00000038446	835.397	0.007705	0.074121	0.103951
Fam227a	ENSMUSG00000042564	109.6676	-0.03792	0.13176	-0.28776
Hmgxb4	ENSMUSG00000034518	1093.322	-0.10954	0.107661	-1.01745
Spq7	ENSMUSG00000000738	3168.917	-0.05986	0.085159	-0.70296
Tfcp2l1	ENSMUSG00000026380	408.2503	-0.07675	0.144448	-0.53131
Bicdl1	ENSMUSG00000041609	2017.43	-0.1205	0.090797	-1.32711
Sertad3	ENSMUSG00000055200	171.2397	-0.11993	0.120575	-0.99464
Rbm18	ENSMUSG00000026889	1481.153	-0.01336	0.055516	-0.24061
Pip4k2c	ENSMUSG00000025417	4709.31	-0.08729	0.065363	-1.3355
Ctbs	ENSMUSG00000028189	167.6397	-0.05779	0.116285	-0.49694
Dnajc16	ENSMUSG00000040697	830.0914	-0.09969	0.093105	-1.07068
Cyp4f16	ENSMUSG00000048440	603.3954	-0.06558	0.082585	-0.79406
Sorbs1	ENSMUSG00000025006	109.8889	-0.13882	0.145793	-0.95219
Fam53a	ENSMUSG00000037339	751.0878	-0.0217	0.082577	-0.26281
Srfbp1	ENSMUSG00000024528	337.5267	-0.03274	0.102133	-0.32051
Camsap3	ENSMUSG00000044433	1085.935	0.149125	0.121533	1.227031
Haus3	ENSMUSG00000079555	922.0958	0.197836	0.084316	2.346359
2610044O	ENSMUSG00000071302	666.6598	0.003709	0.091839	0.040381
Gtf2f2	ENSMUSG00000067995	1173.761	-0.05459	0.098285	-0.55546
Megf8	ENSMUSG00000045039	3516.617	0.008539	0.09807	0.087074
Nob1	ENSMUSG00000003848	1000.674	-0.00691	0.102097	-0.06764
Atp10d	ENSMUSG00000046808	277.1064	-0.20482	0.115064	-1.78006
Tbc1d10b	ENSMUSG00000042492	2558.679	0.02071	0.077997	0.265523
Stx6	ENSMUSG00000026470	1222.1	-0.03729	0.105248	-0.35433
Cox14	ENSMUSG00000023020	1832.76	0.036971	0.112014	0.330059
Aldh4a1	ENSMUSG00000028737	890.3248	0.014836	0.088116	0.168373
Slc48a1	ENSMUSG00000081534	1045.981	-0.24233	0.108314	-2.23728
Cfap74	ENSMUSG00000078490	410.8498	0.015992	0.113535	0.140855
Hdac9	ENSMUSG00000004698	193.8002	-0.38024	0.131629	-2.88871
Isoc2a	ENSMUSG00000086784	347.964	-0.04782	0.105491	-0.45327
Uqcc1	ENSMUSG00000005882	1112.961	0.057633	0.073514	0.783971
Pdap1	ENSMUSG00000029623	3453.906	-0.03101	0.063687	-0.48692
Pms2	ENSMUSG00000079109	894.5163	0.198649	0.074291	2.673918
Tacc1	ENSMUSG00000065954	1787.736	0.061992	0.080384	0.771199
Zfp607a	ENSMUSG00000020420	84.00077	-0.04525	0.128146	-0.35307
E030030IO	ENSMUSG00000097327	254.924	0.116532	0.138962	0.83859
Zfp710	ENSMUSG00000048897	515.2871	-0.0534	0.115144	-0.46379
Mrgpre	ENSMUSG00000048965	1137.473	0.053043	0.113437	0.467603
Gpr173	ENSMUSG00000056679	334.2268	-0.01473	0.122046	-0.1207
Smad4	ENSMUSG00000024515	1623.988	-0.04196	0.107772	-0.38935
Lrrc45	ENSMUSG00000025145	987.8588	0.055264	0.080032	0.690528
Tgif1	ENSMUSG00000047407	367.2192	-0.2065	0.144338	-1.43065
Mycbp	ENSMUSG00000028647	645.2368	0.122615	0.121197	1.011698

Lrp1	ENSMUSG00000040249	305.2928	-0.04645	0.143129	-0.32452
Ap1s1	ENSMUSG00000004849	3758.353	-0.01247	0.113294	-0.11005
Kif19a	ENSMUSG00000010021	744.2986	-0.16872	0.088794	-1.90012
Rassf4	ENSMUSG00000042129	534.9777	-0.06506	0.132255	-0.49191
Sart1	ENSMUSG00000039148	2469.345	0.110341	0.071751	1.537843
Tpm4	ENSMUSG00000031799	10559.93	-0.09596	0.101994	-0.94082
Olfr1372-p	ENSMUSG00000108218	3164.859	-0.00224	0.14275	-0.01569
Utp14a	ENSMUSG00000063785	801.9027	0.015297	0.086523	0.176801
Bmp1	ENSMUSG00000022098	5975.112	-0.1582	0.074853	-2.11342
Gm11127	ENSMUSG00000079492	698.7051	0.158387	0.141535	1.119068
Tomm20	ENSMUSG00000093904	4919.948	0.062825	0.102865	0.610751
Fchsd2	ENSMUSG00000030691	773.2416	0.103349	0.114897	0.899496
Snrnp40	ENSMUSG00000106911	768.3526	-0.14347	0.083253	-1.72329
Slc12a6	ENSMUSG00000027130	1344.435	-0.06752	0.082741	-0.81606
Zfp358	ENSMUSG00000047264	1180.105	-0.02871	0.124251	-0.23105
Exosc3	ENSMUSG00000028322	572.8625	-0.03337	0.099947	-0.33386
Chmp7	ENSMUSG00000034190	1867.159	0.01556	0.067	0.232235
Abcb4	ENSMUSG00000042476	490.9346	0.096066	0.112136	0.856687
Tmem164	ENSMUSG00000047045	1762.292	-0.11188	0.123448	-0.90632
Hnf4g	ENSMUSG00000017688	47.92258	-0.25792	0.14545	-1.77327
Rnd3	ENSMUSG00000017144	293.7143	-0.26513	0.138756	-1.91076
Spopl	ENSMUSG00000026771	606.2264	0.150677	0.108909	1.383515
Sirt5	ENSMUSG00000054021	213.8742	-0.08461	0.110966	-0.76253
Cacna1d	ENSMUSG00000015968	573.9661	-0.16445	0.116574	-1.41073
Cacna1g	ENSMUSG00000020866	590.1034	-0.18719	0.146011	-1.28202
E330009J0	ENSMUSG00000037172	2948.463	-0.04222	0.100797	-0.41889
Gatb	ENSMUSG00000028085	428.7415	-0.20067	0.097375	-2.06076
Ccdc85c	ENSMUSG00000084883	84.81531	-0.04078	0.134879	-0.30235
Fbxo21	ENSMUSG00000032898	2255.603	-0.03891	0.088854	-0.43788
Golga2	ENSMUSG00000002546	2990.691	-0.07692	0.083556	-0.92054
Pbxip1	ENSMUSG00000042613	215.4695	-0.00918	0.125482	-0.07317
Isoc2b	ENSMUSG00000052605	293.725	-0.26537	0.131621	-2.0162
Nosip	ENSMUSG00000003421	805.3436	-0.04406	0.09592	-0.45929
Utp6	ENSMUSG00000035575	1805.51	0.108977	0.097805	1.114224
Slc25a53	ENSMUSG00000044348	831.3136	-0.05451	0.125644	-0.43387
Ttc5	ENSMUSG00000006288	950.4814	0.000751	0.100699	0.007461
Snrpb2	ENSMUSG00000008333	1093.645	0.030056	0.068895	0.436252
Frs3	ENSMUSG00000023266	230.1423	-0.12742	0.136839	-0.93117
Nrxn2	ENSMUSG00000033768	427.4127	0.042315	0.145351	0.291121
F8	ENSMUSG00000031196	181.6226	-0.23132	0.139306	-1.66055
Cpt1c	ENSMUSG00000007783	2084.774	-0.00841	0.070741	-0.11885
Kif1c	ENSMUSG00000020821	1156.943	0.019213	0.064881	0.296134
Nrxn2	ENSMUSG00000107104	427.4127	0.042315	0.145351	0.291121
Lrp10	ENSMUSG00000022175	4441.842	-0.13727	0.068144	-2.01435
Asxl2	ENSMUSG00000037486	1401.545	-0.11651	0.124226	-0.9379
Rcc1	ENSMUSG00000028896	1065.684	-0.07962	0.066445	-1.19833
Clcn7	ENSMUSG00000036636	2285.198	-0.00074	0.09645	-0.00766
Scaf11	ENSMUSG00000033228	3683.875	-0.08644	0.082753	-1.04452
Mapk8ip3	ENSMUSG00000024163	4855.736	-0.0469	0.082599	-0.56776
Axin2	ENSMUSG00000000142	167.5148	-0.17279	0.106107	-1.62843
Gm9803	ENSMUSG00000045886	472.2272	-0.01458	0.14563	-0.10011
Zfp954	ENSMUSG00000062116	497.1769	0.073936	0.114298	0.64687

Slc25a33	ENSMUSG00000028982	206.4004	-0.08053	0.135262	-0.59538
Tmem38b	ENSMUSG00000028420	347.4751	-0.11941	0.114779	-1.04037
Iqsec1	ENSMUSG00000034312	606.4993	0.013582	0.145876	0.093105
Dstn	ENSMUSG00000015932	15127.58	-0.17562	0.073608	-2.38586
Igfbp5	ENSMUSG00000026185	217.6655	-0.18587	0.140283	-1.32498
Nmrk1	ENSMUSG00000037847	189.1211	-0.06643	0.100228	-0.66282
Vps45	ENSMUSG00000015747	976.6795	-0.03032	0.127151	-0.23848
5730480H	ENSMUSG00000029089	247.006	-0.00464	0.109806	-0.04222
Usp19	ENSMUSG00000006676	4225.572	-0.02424	0.094333	-0.25693
Dusp22	ENSMUSG00000069255	100.996	-0.23355	0.143651	-1.62583
Ric8a	ENSMUSG00000025485	1427.44	-0.03818	0.082726	-0.46158
Armc9	ENSMUSG00000062590	870.4609	0.096162	0.07754	1.24015
Gm31805	ENSMUSG00000110661	38.55892	0.146626	0.145748	1.006025
A830018L1	ENSMUSG00000057715	162.6205	-0.20862	0.144152	-1.44723
Supt7l	ENSMUSG00000053134	823.8096	-0.07475	0.072059	-1.03735
AU041133	ENSMUSG00000078435	139.0157	-0.18154	0.125292	-1.44891
Lcmt2	ENSMUSG00000074890	720.1251	-0.09832	0.073439	-1.33884
Skor1	ENSMUSG00000022245	55.49751	-0.22988	0.135839	-1.69226
Cgref1	ENSMUSG00000029161	262.1408	-0.1817	0.135287	-1.34306
Snrrp70	ENSMUSG00000063511	6526.744	-0.03321	0.061006	-0.54442
Sdc1	ENSMUSG00000020592	905.841	-0.17901	0.088233	-2.02887
Fbxl8	ENSMUSG00000033313	480.8959	0.051495	0.119748	0.430029
Brinp1	ENSMUSG00000028351	485.242	-0.11098	0.098087	-1.13143
Sntg1	ENSMUSG00000025909	291.71	0.007463	0.14512	0.051425
Ctu1	ENSMUSG00000038888	287.3787	-0.06585	0.096205	-0.68449
Rnf185	ENSMUSG00000020448	1211.808	-0.03181	0.115103	-0.27637
Uqcrq	ENSMUSG00000044894	6174.881	0.122651	0.109674	1.118326
Chpt1	ENSMUSG00000060002	581.0698	0.142567	0.08492	1.678831
Trappc6b	ENSMUSG00000020993	1929.986	-0.14163	0.06991	-2.02586
Cep104	ENSMUSG00000039523	2079.819	-0.03832	0.10185	-0.3762
Gm26917	ENSMUSG00000097971	6198.228	0.301199	0.145968	2.063456
Fstl5	ENSMUSG00000034098	987.0236	-0.21387	0.14396	-1.48564
Xndc1	ENSMUSG00000099481	876.8435	-0.0963	0.086185	-1.11738
Kank1	ENSMUSG00000032702	427.6445	-0.17823	0.094723	-1.88159
Peg13	ENSMUSG00000106847	6270.769	-0.22618	0.110115	-2.054
Ublcp1	ENSMUSG00000041231	1219.324	-0.02457	0.077893	-0.31537
Zfp787	ENSMUSG00000046792	759.697	0.006373	0.11116	0.057335
Arhgef1	ENSMUSG00000040940	2325.942	-0.13446	0.088597	-1.51766
Ntm	ENSMUSG00000059974	276.4687	0.069592	0.145323	0.478875
Cyp4f13	ENSMUSG00000024055	244.2994	-0.09032	0.133209	-0.67801
Pacrg	ENSMUSG00000037196	379.5262	-0.12124	0.100505	-1.20628
4933407K1	ENSMUSG00000087396	128.798	0.011964	0.120797	0.09904
Pa2g4	ENSMUSG00000025364	5706.032	0.009599	0.053656	0.178895
Cdx2	ENSMUSG00000029646	478.3629	-0.2063	0.122601	-1.68268
Psd3	ENSMUSG00000030465	853.2006	-0.10867	0.113468	-0.95775
Tkfc	ENSMUSG00000034371	1028.578	-0.05346	0.073281	-0.72949
Insr	ENSMUSG00000005534	885.761	-0.24165	0.119359	-2.02456
Ypel1	ENSMUSG00000022773	163.886	-0.11379	0.132521	-0.85868
1600020EC	ENSMUSG00000097048	629.5914	-0.10475	0.118953	-0.88063
Vps54	ENSMUSG00000020128	1012.036	-0.25074	0.096217	-2.60596
Ppwd1	ENSMUSG00000021713	494.1524	-0.15339	0.078093	-1.96414
Stx18	ENSMUSG00000029125	1322.96	0.047063	0.060349	0.779847

Zc3h6	ENSMUSG00000042851	157.1686	-0.29802	0.130751	-2.27931
Clba1	ENSMUSG00000037594	438.9596	-0.08899	0.106382	-0.83656
Olfr1238	ENSMUSG000000111517	45.65591	-0.02081	0.144329	-0.14421
Nacc2	ENSMUSG00000026932	113.4853	-0.25755	0.131927	-1.95221
Nrxn1	ENSMUSG00000024109	896.7752	0.066553	0.104197	0.638726
Eri2	ENSMUSG00000030929	1451.597	0.010198	0.088558	0.115161
Hist2h2aa2	ENSMUSG00000063954	105.0019	-0.1049	0.145819	-0.71941
P3h2	ENSMUSG00000038168	152.6832	-0.01755	0.145565	-0.12057
St3gal5	ENSMUSG00000056091	1035.984	-0.02805	0.115918	-0.24194
Alg1	ENSMUSG00000039427	1137.704	-0.13325	0.112673	-1.18267
Zbed5	ENSMUSG00000034173	76.26352	-0.03763	0.14237	-0.26431
N6amt1	ENSMUSG00000044442	800.8783	-0.14428	0.104918	-1.3752
Zfx	ENSMUSG00000079509	1150.165	-0.01448	0.088476	-0.16361
Gm12338	ENSMUSG00000081485	348.158	0.012639	0.140693	0.089832
Bbs2	ENSMUSG00000031755	965.7973	-0.24557	0.096063	-2.5563
Phactr3	ENSMUSG00000027525	379.2518	0.141678	0.145169	0.975949
Ints14	ENSMUSG00000034263	1149.454	-0.23079	0.055922	-4.12698
Alyref2	ENSMUSG00000060244	101.6122	-0.28817	0.138253	-2.08439
Ralb	ENSMUSG00000004451	774.8781	-0.04949	0.076231	-0.64922
Ptprt	ENSMUSG00000053141	622.7317	-0.10728	0.123704	-0.86722
Lman2	ENSMUSG00000021484	7549.671	-0.04652	0.074347	-0.6257
Mad1l1	ENSMUSG00000029554	2058.584	0.163524	0.081618	2.003529
Ccnl1	ENSMUSG00000027829	919.5035	-0.06813	0.077938	-0.87417
Zfp472	ENSMUSG00000053600	289.7012	0.096219	0.087701	1.097122
Ggt7	ENSMUSG00000027603	1949.292	-0.12768	0.101784	-1.25442
Hnrnpu	ENSMUSG000000111145	8522.804	-0.05678	0.100658	-0.56409
Hnrnpab	ENSMUSG00000020358	13908.35	-0.05783	0.05877	-0.98394
Igfals	ENSMUSG00000046070	1007.851	-0.11929	0.104457	-1.14197
Hnrnpu	ENSMUSG00000039630	8522.804	-0.05678	0.100658	-0.56409
Tfe3	ENSMUSG00000000134	1880.089	0.081934	0.069055	1.186505
Gsg1l	ENSMUSG00000046182	116.7784	-0.24957	0.145	-1.72117
Cenpm	ENSMUSG00000068101	1169.826	0.038382	0.114017	0.336637
Coq9	ENSMUSG00000031782	1694.972	-0.10519	0.113659	-0.9255
Tnfrsf12a	ENSMUSG00000023905	1105.095	-0.1029	0.130101	-0.79093
Nmi	ENSMUSG00000026946	333.8885	-0.03638	0.136142	-0.26721
Al480526	ENSMUSG00000090086	241.2007	-0.20217	0.101828	-1.98541
Trmu	ENSMUSG00000022386	253.8118	-0.04789	0.128692	-0.37212
Phyhd1	ENSMUSG00000079484	150.0372	0.071493	0.117648	0.607692
Ythdf2	ENSMUSG00000040025	1268.501	0.000412	0.082207	0.005009
Snrnp40	ENSMUSG00000074088	768.3526	-0.14347	0.083253	-1.72329
Il6ra	ENSMUSG00000027947	313.9833	-0.23384	0.14579	-1.60398
Zfp667	ENSMUSG00000054893	547.4938	-0.07227	0.119139	-0.60657
Abcf1	ENSMUSG00000038762	4633.194	0.042109	0.058836	0.715699
AC109138	ENSMUSG000000111640	136.361	0.026163	0.142439	0.18368
Azi2	ENSMUSG00000039285	1747.945	-0.0955	0.081124	-1.17724
Gm45833	ENSMUSG000000110673	42.56546	-0.00386	0.14512	-0.0266
Sirt7	ENSMUSG00000025138	1304.855	-0.09801	0.101205	-0.96847
Kri1	ENSMUSG00000035047	1101.886	-0.03844	0.082676	-0.46498
Usp42	ENSMUSG00000051306	595.6491	-0.16011	0.093321	-1.71571
C77080	ENSMUSG00000050390	1926.132	-0.09971	0.065469	-1.52296
Fam89a	ENSMUSG00000043068	237.5545	-0.08437	0.134525	-0.62716
Gon7	ENSMUSG00000091931	536.0903	-0.00224	0.105273	-0.02125

Ccdc136	ENSMUSG00000029769	652.9682	-0.08094	0.10008	-0.80878
Dennd6b	ENSMUSG00000015377	476.43	-0.00139	0.10898	-0.0128
Stard4	ENSMUSG00000024378	3219.315	0.14084	0.138378	1.017791
Mrpl23	ENSMUSG00000037772	94.66827	-0.22563	0.145972	-1.54573
Itpr3	ENSMUSG00000042644	969.8185	-0.04781	0.115653	-0.41342
Cul4a	ENSMUSG00000031446	3104.571	0.053311	0.072761	0.732691
Myo6	ENSMUSG00000033577	1185.138	-0.05757	0.120981	-0.47586
Tia1	ENSMUSG00000071337	1782.789	-0.05624	0.093573	-0.60104
Ccdc96	ENSMUSG00000050677	250.4831	-0.03698	0.094162	-0.39275
Insm1	ENSMUSG00000068154	6958.543	-0.14109	0.121656	-1.15973
Hemk1	ENSMUSG00000032579	399.8747	-0.2036	0.136739	-1.48895
Lix1l	ENSMUSG00000049288	820.5576	-0.06675	0.068729	-0.97125
Gm21811	ENSMUSG00000096401	153.7896	-0.16116	0.120046	-1.34248
Trmt10a	ENSMUSG00000004127	311.3087	-0.07843	0.12804	-0.61251
Dnaaf5	ENSMUSG00000025857	855.6855	0.020617	0.086219	0.239127
Soga1	ENSMUSG00000055485	692.6144	0.0483	0.140938	0.342703
40603	ENSMUSG00000022269	400.6924	-0.08835	0.137821	-0.64108
Gm37459	ENSMUSG000000104283	48.29904	-0.09422	0.145796	-0.64626
Calm1	ENSMUSG00000001175	25816.74	-0.06744	0.101715	-0.66306
Syne3	ENSMUSG00000054150	66.58966	-0.17619	0.146007	-1.20671
Tenm1	ENSMUSG00000016150	90.61797	0.100266	0.145549	0.688881
Ppp2r3d	ENSMUSG00000099077	499.3106	-0.10301	0.119324	-0.86329
Ppp2r3d	ENSMUSG00000093803	499.3106	-0.10301	0.119324	-0.86329
Gatd1	ENSMUSG00000051007	1139.885	-0.08833	0.10313	-0.85647
Gm29666	ENSMUSG000000100967	225.1582	0.170784	0.119723	1.426489
Myo1e	ENSMUSG00000032220	6114.314	-0.28736	0.059898	-4.79744
Angel1	ENSMUSG00000021257	666.7487	-0.22976	0.088064	-2.60906
Bphl	ENSMUSG00000038286	254.8931	-0.1435	0.145342	-0.9873
Atrn	ENSMUSG00000027312	1926.91	-0.0227	0.089529	-0.25358
Ppp2r1b	ENSMUSG00000032058	1046.911	-0.02833	0.076043	-0.37252
Sirt4	ENSMUSG00000029524	236.0909	-0.09749	0.094624	-1.03031
Arhgap33	ENSMUSG00000036882	1349.287	-0.0334	0.116262	-0.28726
Flywch1	ENSMUSG00000040097	1114.543	-0.05205	0.076856	-0.67723
Arl15	ENSMUSG00000042348	179.9373	-0.21466	0.139672	-1.53691
Fam189b	ENSMUSG00000032657	1249.789	-0.06937	0.109301	-0.63462
Rundc3b	ENSMUSG00000040570	929.074	-0.16173	0.10988	-1.47191
H2-DMa	ENSMUSG00000037649	154.3015	-0.11072	0.117272	-0.94409
Nadsyn1	ENSMUSG00000031090	384.2157	-0.10439	0.087888	-1.1878
Hps4	ENSMUSG00000042328	772.2221	0.001746	0.114151	0.015299
Scyl3	ENSMUSG00000026584	855.0149	-0.11449	0.102875	-1.11291
Msn	ENSMUSG00000031207	926.2793	0.031384	0.088728	0.353706
Lonp1	ENSMUSG00000041168	4682.553	0.025883	0.136732	0.189298
Spc24	ENSMUSG00000074476	1767.319	0.141826	0.083273	1.703139
Rnf34	ENSMUSG00000029474	1289.465	-0.02169	0.100778	-0.21526
Phlpp1	ENSMUSG00000044340	1080.368	0.120129	0.094738	1.268016
Glcci1	ENSMUSG00000029638	297.144	-0.21573	0.143418	-1.50423
Naga	ENSMUSG00000022453	2804.021	-0.10067	0.074765	-1.34654
Timm13	ENSMUSG00000020219	2187.948	-0.01701	0.114446	-0.14862
Mapk15	ENSMUSG00000063704	761.7538	0.072454	0.1457	0.497285
Pou2f2	ENSMUSG00000008496	117.832	-0.14408	0.141487	-1.0183
Fam49b	ENSMUSG00000022378	1492.903	-0.17927	0.070629	-2.5382
Rrp9	ENSMUSG00000041506	617.3608	0.101153	0.112608	0.898274

Ubr3	ENSMUSG00000044308	3158.488	-0.09498	0.091442	-1.0387
Lipe	ENSMUSG00000003123	322.7641	-0.02067	0.114736	-0.18012
Polr2c	ENSMUSG000000031783	3213.031	-0.00486	0.09266	-0.05242
Mapkapk2	ENSMUSG00000016528	1595.97	-0.20902	0.088993	-2.34869
Rap1gap2	ENSMUSG000000038807	12743.15	-0.03492	0.132056	-0.26444
Gpr137c	ENSMUSG00000049092	62.61869	-0.14877	0.137739	-1.08011
Rcan3	ENSMUSG00000059713	10245.35	-0.03452	0.102528	-0.33668
Uevld	ENSMUSG00000043262	613.4882	-0.02555	0.096383	-0.26514
Fam76a	ENSMUSG00000028878	1148.415	-0.17183	0.079225	-2.16887
Scly	ENSMUSG00000026307	3687.564	-0.22664	0.101019	-2.24355
Ankrd54	ENSMUSG000000033055	2499.05	0.006977	0.082474	0.084599
Cog8	ENSMUSG000000031916	2753.575	0.024705	0.108454	0.22779
Dhrs11	ENSMUSG000000034449	338.8009	0.030055	0.111751	0.268945
Lgals8	ENSMUSG000000057554	1297.687	-0.24027	0.063788	-3.76666
Kmt5c	ENSMUSG000000059851	1500.09	-0.03924	0.079395	-0.49426
Ephx1	ENSMUSG000000038776	1160.072	-0.19812	0.08535	-2.32121
BC025920	ENSMUSG000000074862	113.4224	-0.13359	0.134836	-0.99076
Pepd	ENSMUSG000000063931	1210.834	-0.10358	0.104648	-0.98975
Pigl	ENSMUSG000000014245	202.8248	-0.01085	0.123153	-0.08811
Cnksr3	ENSMUSG000000015202	435.0463	-0.17109	0.077508	-2.20746
Rab11fip1	ENSMUSG000000031488	414.821	-0.08696	0.114758	-0.75777
Bcdin3d	ENSMUSG000000037525	280.0477	-0.05356	0.109472	-0.4893
9030407P2	ENSMUSG000000097343	223.8163	-0.06652	0.118847	-0.55973
Cnot8	ENSMUSG000000020515	1303.378	-0.13872	0.080456	-1.72417
Zfp11	ENSMUSG000000051034	172.4337	-0.09734	0.110125	-0.88389
Vps50	ENSMUSG000000001376	2191.683	0.036619	0.094997	0.385479
Arhgap11a	ENSMUSG000000041219	3407.307	-0.05707	0.104777	-0.54471
Akr1b3	ENSMUSG000000001642	2600.745	-0.06877	0.098202	-0.70034
Gm16315	ENSMUSG000000090230	56.78776	-0.22373	0.136087	-1.64399
Taf1	ENSMUSG000000031314	3159.873	0.065946	0.109232	0.603729
Pfkl	ENSMUSG000000020277	10572.14	-0.01954	0.136535	-0.14314
Alg9	ENSMUSG000000032059	802.274	-0.14347	0.108422	-1.32322
Plekhg3	ENSMUSG000000052609	1574.948	-0.03945	0.095464	-0.41322
Slc9a8	ENSMUSG000000039463	1237.454	-0.18495	0.088132	-2.09859
Map3k1	ENSMUSG000000021754	528.2855	-0.07204	0.145906	-0.49374
Rybp	ENSMUSG000000072872	2529.038	-0.20008	0.102253	-1.95676
Mex3b	ENSMUSG000000057706	367.2774	-0.30182	0.126074	-2.39396
Ctdnep1	ENSMUSG000000018559	3287.506	0.046816	0.086292	0.542527
Slc44a2	ENSMUSG000000057193	578.2385	0.024784	0.09506	0.260717
Gm3512	ENSMUSG000000090363	361.6541	0.075518	0.145996	0.517263
Galr1	ENSMUSG000000024553	1143.295	-0.08599	0.131863	-0.65209
Nsrp1	ENSMUSG000000037958	659.171	-0.1072	0.078628	-1.36344
Arrb1	ENSMUSG000000018909	612.8634	-0.1866	0.134259	-1.38989
Setd6	ENSMUSG000000031671	946.6308	0.020233	0.11123	0.181898
Oxsm	ENSMUSG000000021786	330.258	-0.06351	0.097659	-0.65033
Pus10	ENSMUSG000000020280	449.7092	-0.08158	0.108698	-0.75048
Rapgef6	ENSMUSG000000037533	996.7862	0.021633	0.107041	0.202102
Rfx7	ENSMUSG000000037674	995.7374	-0.00674	0.09782	-0.06895
Rundc1	ENSMUSG000000035007	1490.804	-0.00077	0.077058	-0.00996
Zup1	ENSMUSG000000039531	362.9109	-0.06138	0.09141	-0.67148
Six5	ENSMUSG000000040841	436.0964	-0.00894	0.095682	-0.09344
Sh3bp2	ENSMUSG000000054520	50.24004	-0.00296	0.144488	-0.02051

Nfxl1	ENSMUSG00000072889	1987.737	0.068351	0.081893	0.834635
Ctdsp2	ENSMUSG00000078429	2230.487	-0.16534	0.08472	-1.95159
Gm37494	ENSMUSG000000108621	822.7319	-0.11708	0.13864	-0.8445
Cep85	ENSMUSG00000037443	1694.661	-0.02753	0.102544	-0.26843
Gm2000	ENSMUSG00000078193	2870.177	0.130057	0.116819	1.113319
Stx4a	ENSMUSG00000030805	937.9252	0.064876	0.074984	0.865202
Romo1	ENSMUSG00000067847	1648.875	0.107326	0.11823	0.907769
Rpn1	ENSMUSG00000030062	14224.23	0.057042	0.122405	0.466011
Rps6ka4	ENSMUSG00000024952	935.5307	0.145141	0.124071	1.169825
Galk2	ENSMUSG00000027207	1869.984	0.090111	0.074161	1.215073
6430503K	ENSMUSG00000053545	153.8731	-0.16817	0.125212	-1.34306
Atg2a	ENSMUSG00000024773	477.5975	0.034526	0.082887	0.416542
Orai1	ENSMUSG00000049686	258.0716	-0.06818	0.127952	-0.53282
5830444B	ENSMUSG00000084803	151.3957	-0.02529	0.122396	-0.20665
Zbtb1	ENSMUSG00000033454	704.2812	-0.08671	0.109657	-0.79076
Bdh1	ENSMUSG00000046598	1417.93	-0.06623	0.081059	-0.81703
Gas2	ENSMUSG00000030498	1055.409	0.021441	0.122878	0.17449
Stard3	ENSMUSG00000018167	751.6037	-0.05896	0.08594	-0.68611
Gabrb3	ENSMUSG00000033676	2092.012	-0.09201	0.067372	-1.36565
Gzf1	ENSMUSG00000027439	653.1154	-0.01564	0.094025	-0.16629
Zbtb10	ENSMUSG00000069114	475.4467	-0.2297	0.100585	-2.28358
Foxo3	ENSMUSG00000048756	1196.067	-0.08796	0.103562	-0.84937
Katna1	ENSMUSG00000019794	1135.618	0.053079	0.096513	0.549962
Fam213a	ENSMUSG00000021792	875.4497	0.096987	0.09369	1.035184
Hlcs	ENSMUSG00000040820	514.1362	-0.10081	0.136721	-0.73737
Stoml2	ENSMUSG00000028455	1952.528	0.035937	0.070733	0.508069
Bbc3	ENSMUSG0000002083	393.9618	-0.11767	0.139162	-0.84557
Ift80	ENSMUSG00000027778	1563.006	-0.02913	0.093823	-0.31045
5031425E	ENSMUSG00000073147	972.0689	-0.1027	0.091644	-1.12061
Herc3	ENSMUSG00000029804	1056.188	-0.00282	0.100658	-0.02804
Slc29a3	ENSMUSG00000020100	345.8587	0.015051	0.109252	0.137765
Gmeb2	ENSMUSG00000038705	1127.914	-0.11774	0.07684	-1.53229
Pcdha2	ENSMUSG000000104148	267.6285	-0.03732	0.110258	-0.3385
Bod1l	ENSMUSG00000061755	1327.215	-0.11306	0.096929	-1.16637
Phldb1	ENSMUSG00000048537	722.6566	-0.08954	0.089582	-0.9995
Tspyl1	ENSMUSG00000047514	2990.008	-0.01142	0.054934	-0.20794
Alkbh3	ENSMUSG00000040174	862.3575	-0.03308	0.106619	-0.31029
Notch1	ENSMUSG00000026923	1627.604	0.094486	0.140801	0.671058
Tnip2	ENSMUSG00000059866	270.5414	-0.1802	0.113953	-1.58136
Ccdc12	ENSMUSG00000019659	1297.739	0.008974	0.109791	0.081741
Ddx5	ENSMUSG00000020719	30143.2	-0.08118	0.075762	-1.07148
Kcnq2	ENSMUSG00000016346	1680.742	0.073746	0.145797	0.505816
Fam81a	ENSMUSG00000032224	2455.849	-0.25334	0.086379	-2.93286
Nrep	ENSMUSG00000042834	867.5095	-0.32258	0.090911	-3.5483
2610005L	ENSMUSG00000071793	573.6166	-0.05442	0.141118	-0.38561
Ccnj	ENSMUSG00000025010	138.5583	-0.25908	0.132843	-1.95027
Flywch2	ENSMUSG00000023911	646.1389	0.02702	0.132412	0.204058
Txnip	ENSMUSG00000038393	590.3598	-0.14923	0.145609	-1.02485
Rxfp1	ENSMUSG00000034009	101.1207	-0.11403	0.110887	-1.02837
Ccdc85b	ENSMUSG00000095098	514.5951	0.106095	0.13728	0.772834
Fam173b	ENSMUSG00000039065	490.8758	-0.09454	0.116136	-0.81409
Mmd2	ENSMUSG00000039533	395.5961	-0.1146	0.145911	-0.78538

Cd3eap	ENSMUSG00000047649	816.4048	0.039899	0.086569	0.460895
Ube2h	ENSMUSG00000039159	1998.533	-0.01033	0.060708	-0.17014
Zfp653	ENSMUSG00000038895	569.183	-0.18107	0.102843	-1.76061
Dact2	ENSMUSG00000048826	1068.925	-0.05939	0.136637	-0.43465
Snrnp35	ENSMUSG00000029402	398.0087	-0.12166	0.104885	-1.15992
Glyctk	ENSMUSG00000020258	129.0548	-0.11265	0.137885	-0.81699
Cux2	ENSMUSG00000042589	919.223	-0.06232	0.132678	-0.46971
1700055D	ENSMUSG00000070997	65.10805	-0.13078	0.135497	-0.96519
Nub1	ENSMUSG00000028954	2495.599	-0.02083	0.058314	-0.35723
Foxc1	ENSMUSG00000050295	155.2308	-0.11023	0.116315	-0.9477
Lysmd1	ENSMUSG00000053769	340.8439	0.032702	0.090542	0.361179
Rtl8a	ENSMUSG00000067925	2152.687	0.201526	0.126696	1.590624
Llgl1	ENSMUSG00000020536	1226.053	-0.14338	0.112882	-1.27018
Cd274	ENSMUSG00000016496	148.8211	-0.09151	0.105868	-0.86438
Nkx2-2	ENSMUSG00000027434	5570.883	-0.09153	0.074871	-1.22251
Tmcc1	ENSMUSG00000030126	484.0668	0.050614	0.075784	0.667869
Pde6a	ENSMUSG00000024575	96.13305	-0.00548	0.144299	-0.03795
Slc25a46	ENSMUSG00000024259	3336.098	-0.00971	0.079937	-0.12142
D830030K	ENSMUSG00000096039	390.5075	0.04999	0.145575	0.343399
Adm	ENSMUSG00000030790	268.7321	-0.04659	0.099767	-0.46698
Mysm1	ENSMUSG00000062627	981.8719	-0.00425	0.095659	-0.04442
Kbtbd3	ENSMUSG00000025893	278.5847	-0.0699	0.113831	-0.61403
Egr1	ENSMUSG00000038418	1113.501	-0.16712	0.130072	-1.28483
Nfia	ENSMUSG00000028565	273.0443	-0.22127	0.09815	-2.25441
Cacfd1	ENSMUSG00000015488	2420.027	-0.01488	0.071812	-0.20716
Avil	ENSMUSG00000025432	194.815	-0.01151	0.128087	-0.08989
Nek8	ENSMUSG00000017405	278.4916	-0.02549	0.133822	-0.19048
Fdxacb1	ENSMUSG00000037845	242.0703	-0.03094	0.119056	-0.25991
Rnf25	ENSMUSG00000026171	1358.888	0.009495	0.07004	0.135564
Mdfic	ENSMUSG00000041390	116.7134	-0.13786	0.13406	-1.02838
Slu7	ENSMUSG00000020409	1410.36	-0.08744	0.089075	-0.98167
Gm2415	ENSMUSG00000086119	352.8587	0.00165	0.144486	0.01142
Snapc4	ENSMUSG00000036281	753.8078	0.007706	0.085115	0.09054
Mboat1	ENSMUSG00000038732	1586.878	0.072008	0.113974	0.631796
Map2k2	ENSMUSG00000035027	5050.557	0.108187	0.074056	1.460895
Hdac10	ENSMUSG00000062906	488.4074	-0.04875	0.087217	-0.55898
Bbs12	ENSMUSG00000051444	163.2624	-0.19741	0.104735	-1.88481
Mid2	ENSMUSG00000000266	1229.765	-0.01572	0.09344	-0.16819
P2ry1	ENSMUSG00000027765	6417.981	0.091665	0.08897	1.030292
Fut11	ENSMUSG00000039357	608.7868	-0.19062	0.097921	-1.94673
Atg2a	ENSMUSG000000106907	477.5975	0.034526	0.082887	0.416542
Arhgef10l	ENSMUSG00000040964	367.8163	0.124941	0.12072	1.034966
Rhbdd2	ENSMUSG00000039917	1788.98	-0.10494	0.111893	-0.9379
Tug1	ENSMUSG00000056579	5369.407	0.063351	0.070604	0.897274
Eml5	ENSMUSG00000051166	5136.069	-0.00434	0.13879	-0.03125
Chst12	ENSMUSG00000036599	700.2757	0.193021	0.101098	1.909234
Erich1	ENSMUSG00000051978	317.0455	-0.08667	0.089283	-0.97077
Fam172a	ENSMUSG00000064138	932.2173	-0.20731	0.090032	-2.30267
Ppip5k2	ENSMUSG00000040648	1223.393	-0.06748	0.105754	-0.63805
Zfas1	ENSMUSG00000074578	613.1689	0.054858	0.139161	0.394205
Creb3l2	ENSMUSG00000038648	1751.402	-0.0588	0.115534	-0.50895
Ipo8	ENSMUSG00000040029	1605.547	-0.04373	0.083836	-0.52164

493342710	ENSMUSG00000073761	115.9386	0.044034	0.146006	0.301593
Zbtb8os	ENSMUSG00000057572	928.8854	0.017247	0.09136	0.188784
Tagln2	ENSMUSG00000026547	7940.86	-0.16476	0.078692	-2.09378
Ddit4l	ENSMUSG00000046818	379.3135	0.004261	0.118494	0.035962
Icmt	ENSMUSG00000039662	2004.554	-0.15838	0.05804	-2.72883
Rassf1	ENSMUSG00000010067	857.2873	-0.04064	0.130384	-0.31167
Arhgef16	ENSMUSG00000029032	2099.725	-0.07718	0.069681	-1.10762
Arhgap6	ENSMUSG00000031355	81.4744	0.230047	0.139817	1.64535
Adnp	ENSMUSG00000051149	124.5919	-0.07026	0.140328	-0.50068
Reep1	ENSMUSG00000052852	173.3644	-0.14302	0.117168	-1.22067
Cep164	ENSMUSG00000043987	881.6295	-0.19599	0.10986	-1.78404
Trp53bp1	ENSMUSG00000043909	2672.906	0.21273	0.108063	1.968562
Gstz1	ENSMUSG00000021033	2198.118	-0.09851	0.097638	-1.00892
Ryr2	ENSMUSG00000021313	221.0015	-0.16596	0.145967	-1.137
Dedd	ENSMUSG00000013973	1010.527	-0.03767	0.073524	-0.51228
Nol9	ENSMUSG00000028948	1128.497	0.036927	0.063043	0.585735
Rhobtb1	ENSMUSG00000019944	157.8989	0.068996	0.140682	0.490443
Dhx34	ENSMUSG00000006019	1438.332	-0.00453	0.123377	-0.03669
Gpt2	ENSMUSG00000031700	2057.032	0.044833	0.125164	0.358193
Ehhadh	ENSMUSG00000022853	188.1847	-0.28109	0.102314	-2.74728
Map3k7	ENSMUSG00000028284	3832.656	-0.00287	0.074302	-0.03863
Krt222	ENSMUSG00000035849	64.76248	0.067724	0.144397	0.469013
Adprhl2	ENSMUSG00000042558	1075.873	0.000212	0.096865	0.002184
Scrt1	ENSMUSG00000048385	1773.069	-0.22654	0.098124	-2.30869
Aig1	ENSMUSG00000019806	3059.3	0.203459	0.085773	2.372063
Tmem130	ENSMUSG00000043388	953.6747	-0.00555	0.11694	-0.04744
B630019K	ENSMUSG00000052364	370.1247	-0.25676	0.131689	-1.94978
Rorb	ENSMUSG00000036192	36.66708	0.071229	0.144358	0.493419
Med23	ENSMUSG00000019984	1535.343	-0.02133	0.107467	-0.19848
Nprl3	ENSMUSG00000020289	934.7153	-0.10109	0.097909	-1.03247
Gpr158	ENSMUSG00000045967	2362.181	-0.14889	0.11462	-1.29899
Brsk1	ENSMUSG00000035390	1846.711	0.054986	0.061328	0.896581
Rwdd4a	ENSMUSG00000031568	2635.999	-0.05681	0.099126	-0.5731
Scp2	ENSMUSG00000028603	4462.356	-0.02042	0.078881	-0.25892
Zfp362	ENSMUSG00000028799	697.1674	-0.1245	0.089128	-1.39684
Dusp16	ENSMUSG00000030203	340.1235	-0.25193	0.139176	-1.81014
Atp2b4	ENSMUSG00000026463	574.4345	0.393172	0.145737	2.697821
Fez2	ENSMUSG00000056121	180.0305	-0.06343	0.130789	-0.48501
Zfp712	ENSMUSG00000090641	77.04824	-0.07282	0.129881	-0.5607
Kctd21	ENSMUSG00000044952	276.1614	-0.28342	0.128653	-2.20301
Pappa	ENSMUSG00000028370	72.91472	-0.38924	0.145965	-2.66666
Ralgapa2	ENSMUSG00000037110	1665.657	0.034392	0.135708	0.253427
Zfp354a	ENSMUSG00000020364	187.3452	0.060039	0.139522	0.430318
Riok3	ENSMUSG00000024404	2427.259	-0.01261	0.058983	-0.21371
Gria2	ENSMUSG00000033981	778.704	-0.10429	0.14217	-0.73354
Zbtb12	ENSMUSG00000049823	343.1845	-0.08055	0.096075	-0.83843
Proser1	ENSMUSG00000049504	607.1027	-0.155	0.086042	-1.8015
Tbc1d5	ENSMUSG00000023923	798.7161	-0.18052	0.074283	-2.43023
Syp	ENSMUSG00000031144	14514.71	0.14703	0.055307	2.658455
D2hgdh	ENSMUSG00000073609	750.8039	0.019611	0.083847	0.233896
Bok	ENSMUSG00000026278	618.755	-0.09489	0.116176	-0.81681
Vangl2	ENSMUSG00000026556	119.3543	-0.14974	0.131268	-1.14075

Hira	ENSMUSG00000022702	1619.967	0.050499	0.082657	0.610947
Wdfy1	ENSMUSG00000073643	872.0484	-0.04428	0.122767	-0.36069
Polr2g	ENSMUSG00000071662	3257.487	0.054573	0.092475	0.590141
Ptges3l	ENSMUSG00000097487	98.23863	0.111035	0.127764	0.869062
Pced1a	ENSMUSG00000037773	914.3946	-0.15846	0.078246	-2.02511
Casc3	ENSMUSG00000078676	2456.932	0.065578	0.073554	0.891555
Pno1	ENSMUSG00000020116	1316.167	-0.06323	0.069192	-0.91385
Dnah17	ENSMUSG00000033987	62.68618	-0.09897	0.139383	-0.71009
Mrpl24	ENSMUSG00000019710	1932.675	-0.04127	0.087452	-0.47189
Srrm4	ENSMUSG00000063919	642.4608	-0.12153	0.138506	-0.87741
Mta2	ENSMUSG00000071646	2848.053	-0.05595	0.066865	-0.83675
Syne1	ENSMUSG00000096054	430.3379	0.045644	0.139884	0.326296
39508	ENSMUSG00000025702	3891.412	-0.1229	0.062677	-1.9608
Srd5a3	ENSMUSG00000029233	759.69	-0.0779	0.087187	-0.89352
Rab3gap1	ENSMUSG00000036104	6981.528	0.09134	0.120074	0.760701
Hook2	ENSMUSG00000052566	2198.587	0.011321	0.128874	0.087848
Ift140	ENSMUSG00000024169	1018.72	-0.1378	0.080521	-1.71138
Swap70	ENSMUSG00000031015	295.7697	-0.03642	0.136891	-0.26602
2210011C2	ENSMUSG00000074217	500.0242	0.031142	0.145623	0.21385
Ovca2	ENSMUSG00000038268	1745.565	-0.13789	0.099432	-1.38679
Cyp20a1	ENSMUSG00000049439	850.0649	-0.06654	0.08186	-0.81281
Fam234b	ENSMUSG00000030207	2207.093	-0.13729	0.067559	-2.03211
Nr1d2	ENSMUSG00000021775	1764.235	-0.12072	0.120799	-0.99934
Ints10	ENSMUSG00000031864	1487.568	-0.03868	0.113613	-0.34049
AI987944	ENSMUSG00000056383	342.2396	0.051781	0.090294	0.573471
Prrc2b	ENSMUSG00000039262	8001.253	0.015781	0.10474	0.150667
Pigv	ENSMUSG00000043257	539.3092	-0.14435	0.086157	-1.67543
Ino80	ENSMUSG00000034154	877.3047	-0.10882	0.088247	-1.23318
Csgalnact2	ENSMUSG00000042042	858.1471	0.025041	0.104202	0.24031
Pkp2	ENSMUSG00000041957	129.5593	-0.11978	0.117656	-1.01807
Akr1c13	ENSMUSG00000021213	2860.895	0.042474	0.100304	0.423449
B3galt6	ENSMUSG00000050796	630.5134	-0.02064	0.109444	-0.18859
Lurap1l	ENSMUSG00000048706	933.5508	-0.23174	0.125997	-1.83927
Pip5k1c	ENSMUSG00000034902	3160.913	-0.07046	0.084306	-0.8358
Cpped1	ENSMUSG00000065979	1151.537	-0.07976	0.076922	-1.03683
Inhba	ENSMUSG00000041324	65.73072	-0.4093	0.139287	-2.93853
Insig2	ENSMUSG0000003721	2701.137	-0.06497	0.108402	-0.59937
3110001I2	ENSMUSG00000079737	52.16296	-0.21068	0.136465	-1.54384
Faap100	ENSMUSG00000025384	966.0779	0.094034	0.116974	0.80389
Kcna2	ENSMUSG00000040724	61.90265	0.00401	0.086373	0.046431
Maml3	ENSMUSG00000061143	1026.007	-0.09543	0.099566	-0.95842
Mrpl58	ENSMUSG00000018858	1418.089	0.041831	0.103139	0.405584
Nono	ENSMUSG00000031311	12376.91	-0.02192	0.048381	-0.45299
Kdf1	ENSMUSG00000037600	879.7813	-0.00659	0.074463	-0.08851
Mttp	ENSMUSG00000028158	241.918	-0.13948	0.137161	-1.01691
Hace1	ENSMUSG00000038822	1142.648	0.000589	0.068921	0.008548
Crif2	ENSMUSG00000033467	502.0259	-0.14808	0.113371	-1.30612
Epcam	ENSMUSG00000045394	3899.953	-0.16277	0.088153	-1.84644
Plekhm3	ENSMUSG00000051344	579.8974	-0.03362	0.109758	-0.30634
Dhx16	ENSMUSG00000024422	1636.971	0.08984	0.112916	0.795638
Ppip5k1	ENSMUSG00000033526	2649.08	0.064293	0.097115	0.662029
Ifit2	ENSMUSG00000045932	512.8144	0.003767	0.132932	0.02834

Mecp2	ENSMUSG000000031393	2373.423	0.05722	0.080167	0.71376
Sac3d1	ENSMUSG000000024790	774.0828	0.013509	0.10469	0.129042
Pdlim7	ENSMUSG000000021493	1162.429	-0.22042	0.078418	-2.81085
Taf4	ENSMUSG000000039117	844.5474	-0.03088	0.090257	-0.34215
Tmem158	ENSMUSG000000054871	169.6829	-0.1032	0.133824	-0.77114
Gm43597	ENSMUSG000000107096	130.0433	-0.02493	0.143096	-0.1742
Plxna1	ENSMUSG000000030084	404.9292	-0.14079	0.136854	-1.02879
Hapln1	ENSMUSG000000021613	334.4896	-0.13929	0.1308	-1.06494
Ptger3	ENSMUSG000000040016	205.3794	-0.14964	0.139338	-1.07394
Polb	ENSMUSG000000031536	1238.696	0.038282	0.087409	0.437961
Slc6a9	ENSMUSG000000028542	334.7804	0.050129	0.118685	0.422373
Rpusd4	ENSMUSG000000032044	451.6618	-0.00535	0.105761	-0.05056
Wdr33	ENSMUSG000000024400	2262.615	0.089769	0.079724	1.125989
Dubr	ENSMUSG000000022639	939.8423	0.012747	0.094734	0.134554
Aplp1	ENSMUSG000000006651	15332.63	-0.09365	0.054218	-1.72733
Atp11a	ENSMUSG000000031441	2132.328	-0.17467	0.098727	-1.76926
Arhgef11	ENSMUSG000000041977	2689.201	-0.03688	0.074532	-0.49482
Ak1	ENSMUSG000000026817	1341.486	0.068345	0.140794	0.485426
Gem	ENSMUSG000000028214	495.4857	-0.15049	0.138951	-1.08301
Clic1	ENSMUSG000000007041	3718.797	-0.01001	0.100401	-0.09967
Agt	ENSMUSG000000031980	714.7504	-0.26363	0.115782	-2.27697
Kctd1	ENSMUSG000000036225	208.0174	-0.14864	0.119773	-1.24102
Arvcf	ENSMUSG000000000325	918.4015	0.054554	0.073921	0.737998
Rab13	ENSMUSG000000027935	367.5407	-0.11707	0.118931	-0.98438
Cdk5	ENSMUSG000000028969	1755.337	-0.00052	0.085986	-0.00604
Orc3	ENSMUSG000000040044	1824.7	0.046204	0.083363	0.554251
Ctnnd1	ENSMUSG000000034101	2852.591	-0.03977	0.097986	-0.40591
Acvr1b	ENSMUSG000000000532	807.5429	-0.08016	0.082805	-0.96808
Tmem199	ENSMUSG000000051232	1537.872	-0.00881	0.075646	-0.11645
Rassf3	ENSMUSG000000025795	858.7524	-0.04242	0.059386	-0.71426
Tatdn2	ENSMUSG000000056952	1134.627	-0.01663	0.083585	-0.19897
Ubr7	ENSMUSG000000041712	2861.809	0.012544	0.061561	0.20376
Pgap2	ENSMUSG000000030990	515.5316	0.066444	0.102106	0.650733
Dennd3	ENSMUSG000000036661	439.7687	0.173994	0.115682	1.504077
Igf2r	ENSMUSG000000023830	3552.238	-0.23312	0.116318	-2.00416
Med20	ENSMUSG000000092558	893.6723	-0.00915	0.099728	-0.09179
Nek3	ENSMUSG000000031478	187.704	-0.05027	0.10848	-0.46341
Wdr76	ENSMUSG000000027242	1313.795	-0.08354	0.088338	-0.94571
Phc1	ENSMUSG000000040669	1757.936	-0.05878	0.094726	-0.62048
Pomp	ENSMUSG000000029649	2930.23	0.034307	0.095616	0.358801
Necab2	ENSMUSG000000031837	314.6436	-0.03678	0.145344	-0.25308
Rhbdf2	ENSMUSG000000020806	1000.987	-0.0545	0.145469	-0.37463
Slc17a9	ENSMUSG000000023393	468.3347	-0.12228	0.119738	-1.02127
Dph5	ENSMUSG000000033554	258.1988	-0.03323	0.105315	-0.31554
Cmtr1	ENSMUSG000000024019	2324.718	0.043845	0.073787	0.59421
Mcm9	ENSMUSG000000058298	569.4618	-0.11056	0.087562	-1.26265
Gtf2h1	ENSMUSG000000006599	1532.595	-0.03097	0.109442	-0.28296
Nefm	ENSMUSG000000022054	18736.88	0.101906	0.145031	0.702648
Helb	ENSMUSG000000020228	664.6127	0.005639	0.116155	0.048548
Siva1	ENSMUSG000000064326	973.6745	0.098433	0.089228	1.103168
Ppat	ENSMUSG000000029246	2683.941	-0.06705	0.081032	-0.82749
Ganc	ENSMUSG000000062646	357.0135	-0.19308	0.130013	-1.48511

Rassf7	ENSMUSG00000038618	1233.644	-0.0059	0.101231	-0.05826
Cxadr	ENSMUSG00000022865	1349.922	-0.00423	0.097224	-0.04356
Ndst3	ENSMUSG00000027977	79.91102	-0.14923	0.144868	-1.03009
Arhgef10	ENSMUSG00000071176	310.7921	-0.07301	0.108912	-0.67036
Tdrp	ENSMUSG00000050052	146.1911	-0.1275	0.139547	-0.9137
Sh2b1	ENSMUSG00000030733	1959.389	0.017142	0.095112	0.180235
Fanci	ENSMUSG00000039187	841.1912	0.085992	0.08358	1.028857
Mrpl36	ENSMUSG00000021607	1014.536	-0.07592	0.104171	-0.7288
Abraxas2	ENSMUSG00000030965	1343.437	0.057442	0.06482	0.886181
Tmem176a	ENSMUSG00000023367	2385.665	-0.08636	0.120511	-0.71664
Plcg1	ENSMUSG00000016933	4684.358	-0.01792	0.09616	-0.18641
Mapre3	ENSMUSG00000029166	2437.484	0.061938	0.113229	0.547014
Dzip1l	ENSMUSG00000037784	281.3721	-0.18883	0.111092	-1.69979
Slc41a3	ENSMUSG00000030089	113.4699	-0.04225	0.13332	-0.31689
Scn3a	ENSMUSG00000057182	183.8798	-0.219	0.145744	-1.50261
Ezh1	ENSMUSG00000006920	938.3645	-0.08142	0.069323	-1.17445
H2-Q6	ENSMUSG00000073409	492.341	-0.08694	0.146011	-0.59543
Gm29170	ENSMUSG000000100455	318.6626	-0.06534	0.098773	-0.6615
Ak5	ENSMUSG00000039058	227.7266	-0.08221	0.10392	-0.79106
Fus	ENSMUSG00000030795	7606.933	-0.04086	0.130477	-0.31317
Slc25a28	ENSMUSG00000040414	977.0426	-0.03678	0.086249	-0.42649
Zfp593	ENSMUSG00000028840	279.9433	-0.00953	0.116486	-0.08185
Flrt2	ENSMUSG00000047414	114.5637	-0.37955	0.142069	-2.67161
Wnt4	ENSMUSG00000036856	2526.388	0.095541	0.093789	1.018674
Cdc37l1	ENSMUSG00000024780	1159.29	-0.15077	0.087861	-1.71602
Kirrel2	ENSMUSG00000036915	393.2088	-0.15466	0.127639	-1.21168
Arhgef15	ENSMUSG00000052921	55.59421	0.013729	0.138592	0.099063
Ighmbp2	ENSMUSG00000024831	386.0377	-0.04372	0.091698	-0.47684
Zc3h7a	ENSMUSG00000037965	2530.234	-0.0243	0.093213	-0.26074
Ccdc30	ENSMUSG00000028637	777.7091	-0.00772	0.11305	-0.06825
Kcnab3	ENSMUSG00000018470	862.04	-0.33155	0.128896	-2.57223
Jak3	ENSMUSG00000031805	573.7822	-0.04837	0.087521	-0.55263
Srl	ENSMUSG00000022519	399.6464	-0.01368	0.146011	-0.09372
R3hcc1l	ENSMUSG00000025184	433.2283	-0.0212	0.099569	-0.21289
Slc30a5	ENSMUSG00000021629	3400.238	-0.07319	0.076008	-0.96291
Nfib	ENSMUSG00000008575	303.0024	-0.02942	0.145127	-0.20275
Trim25	ENSMUSG00000000275	1664.315	-0.15512	0.064376	-2.40954
Mbip	ENSMUSG00000021028	326.5996	-0.07336	0.095546	-0.76776
Gtpbp2	ENSMUSG00000023952	1704.155	-0.13887	0.104681	-1.32658
Ormdl3	ENSMUSG00000038150	2481.856	-0.03681	0.119012	-0.30934
Pfdn6	ENSMUSG00000024309	1834.371	0.075738	0.113932	0.664766
Mktn2os	ENSMUSG00000068011	1071.63	-0.01985	0.066438	-0.29878
Gpatch2	ENSMUSG00000039210	774.0943	-0.05579	0.08297	-0.67235
Mier2	ENSMUSG00000042570	1199.664	-0.01029	0.095322	-0.10797
Aifm2	ENSMUSG00000020085	330.8956	-0.02593	0.099006	-0.2619
Apopt1	ENSMUSG00000037787	906.2605	-0.01722	0.112589	-0.15294
Polg2	ENSMUSG00000020718	170.8909	0.008865	0.116062	0.076383
Dut	ENSMUSG00000027203	5221.96	-0.03607	0.086292	-0.41804
Zc3h18	ENSMUSG00000017478	2348.831	-0.02422	0.060859	-0.39802
Ppp2r3a	ENSMUSG00000043154	2033.077	-0.11104	0.097312	-1.14107
Sema6b	ENSMUSG00000001227	121.2502	-0.22957	0.116834	-1.96488
Tmem167k	ENSMUSG00000068732	1840.063	-0.01204	0.064853	-0.18561

Enox1	ENSMUSG00000022012	265.5337	-0.31324	0.105872	-2.9587
D11Wsu47	ENSMUSG00000041623	617.3714	-0.05845	0.087017	-0.67166
Zfp605	ENSMUSG00000023284	202.1258	-0.04938	0.125074	-0.39478
Ktn1	ENSMUSG00000021843	2014.143	-0.0994	0.0864	-1.15042
Cenpv	ENSMUSG00000018509	1247.209	-0.1065	0.092211	-1.15497
Ankrd9	ENSMUSG00000037904	176.974	0.096061	0.129024	0.744518
Pla2g12a	ENSMUSG00000027999	363.0583	-0.0773	0.111946	-0.69048
Taf3	ENSMUSG00000025782	535.429	-0.04007	0.108174	-0.37044
Lbh	ENSMUSG00000024063	2162.587	-0.47991	0.09211	-5.21023
Daglb	ENSMUSG00000039206	645.4504	-0.04225	0.088612	-0.47678
Spag9	ENSMUSG00000020859	3467.799	-0.07744	0.091633	-0.84511
Serinc5	ENSMUSG00000021703	166.0428	-0.18404	0.125719	-1.46387
B3glct	ENSMUSG00000051950	323.8549	-0.28458	0.114887	-2.47704
Ruvbl2	ENSMUSG00000003868	2762.046	0.073736	0.091214	0.808384
Pik3r4	ENSMUSG00000032571	1206.412	-0.05606	0.097737	-0.57356
Zbtb46	ENSMUSG00000027583	74.64443	-0.10876	0.142368	-0.76396
Cox6a1	ENSMUSG00000041697	9176.101	0.129572	0.102204	1.267769
Pcnx2	ENSMUSG00000060212	250.2658	0.036961	0.114033	0.324123
ULK1	ENSMUSG00000029512	1738.522	-0.16234	0.09712	-1.67159
Armcx4	ENSMUSG00000049804	2073.297	0.078699	0.122324	0.64337
Adcy1	ENSMUSG00000020431	1460.742	-0.15119	0.142587	-1.06033
Arhgef7	ENSMUSG00000031511	2173.832	-0.08596	0.082079	-1.04728
Cmc1	ENSMUSG00000039163	396.5807	0.016788	0.118003	0.142269
Gm1673	ENSMUSG00000070858	340.2167	-0.05353	0.136819	-0.39123
Tmx1	ENSMUSG00000021072	6035.179	0.102502	0.094066	1.089682
Taf8	ENSMUSG00000023980	396.3679	-0.12515	0.108598	-1.15244
Nek2	ENSMUSG000000110797	1048.474	0.028235	0.069853	0.404198
Pex16	ENSMUSG00000027222	503.5432	0.053952	0.121828	0.442852
2810403D	ENSMUSG00000086629	66.34044	0.033934	0.136252	0.249056
Junb	ENSMUSG00000052837	1206.05	-0.10342	0.126578	-0.81703
Atp6v1b2	ENSMUSG00000006273	12239.62	0.079277	0.089474	0.886038
Ankrd35	ENSMUSG00000038354	320.352	0.136248	0.127811	1.066009
Lmn2	ENSMUSG00000062075	1583.295	-0.02404	0.062999	-0.38157
Rnf114	ENSMUSG00000006418	2002.213	-0.17281	0.074541	-2.31837
Gm26819	ENSMUSG00000097033	111.4663	-0.19215	0.119573	-1.60694
Zfp101	ENSMUSG00000055240	521.1317	0.052506	0.125347	0.418881
Nucks1	ENSMUSG00000026434	4964.765	0.007245	0.059367	0.12204
Hnrnpul2	ENSMUSG00000071659	6126.036	-0.0852	0.060494	-1.40839
Hps3	ENSMUSG00000027615	527.2444	0.043394	0.082637	0.525113
Nelfb	ENSMUSG00000013465	2413.232	0.05786	0.066851	0.865499
Matn2	ENSMUSG00000022324	163.2333	-0.15554	0.142515	-1.09142
Pole	ENSMUSG00000007080	1990.657	0.097682	0.084075	1.161845
Cdk15	ENSMUSG00000026023	478.582	0.079628	0.139407	0.571194
Fmn13	ENSMUSG00000023008	782.8872	-0.03714	0.100268	-0.37044
Thra	ENSMUSG00000058756	867.2635	0.043658	0.145101	0.300877
Fam96b	ENSMUSG00000031879	951.6893	0.051586	0.127599	0.404281
Eif4g3	ENSMUSG00000028760	4796.974	0.03969	0.079921	0.496614
Zfp867	ENSMUSG00000054519	149.3667	-0.07577	0.115807	-0.65427
Chrna4	ENSMUSG00000027577	619.5059	-0.0042	0.134346	-0.03126
Leng9	ENSMUSG00000043432	384.0875	-0.05043	0.091243	-0.55268
Noa1	ENSMUSG00000036285	1010.027	0.001033	0.097159	0.010634
Tyw3	ENSMUSG00000047583	139.8727	0.037124	0.137901	0.269205

Nyap1	ENSMUSG00000045348	259.9649	-0.16669	0.107133	-1.55595
4933427D	ENSMUSG00000020807	588.8122	0.030239	0.100365	0.301291
Osgin2	ENSMUSG00000041153	671.8492	-0.21035	0.099738	-2.10898
Braf	ENSMUSG00000002413	2681.111	-0.11934	0.090322	-1.32125
Lix1	ENSMUSG00000047786	545.783	0.010408	0.130697	0.079637
Fbxw5	ENSMUSG00000015095	2093.282	-0.15106	0.069388	-2.17708
Zfp329	ENSMUSG00000057894	408.6651	-0.18103	0.110628	-1.63638
Spint1	ENSMUSG00000027315	599.2243	-0.14738	0.124719	-1.18167
Alg12	ENSMUSG00000035845	649.0959	-0.16354	0.078915	-2.0723
0610012G	ENSMUSG000000107002	839.1067	-0.01521	0.114383	-0.13295
Tfcp2	ENSMUSG00000009733	315.5692	-0.03039	0.102771	-0.29567
Smpd3	ENSMUSG00000031906	2491.518	-0.04883	0.128177	-0.38095
Nipal3	ENSMUSG00000028803	3632.294	0.033201	0.107029	0.31021
Canx	ENSMUSG00000020368	18305.15	0.115728	0.116055	0.997188
Fam151a	ENSMUSG00000034871	1333.879	-0.15963	0.137747	-1.15883
Pdcd6	ENSMUSG00000021576	2188.142	0.01127	0.075028	0.150204
Bag2	ENSMUSG00000042215	2217.576	0.057507	0.082261	0.699083
Cib1	ENSMUSG00000030538	917.6666	0.007988	0.108145	0.07386
Afdn	ENSMUSG00000068036	3342.191	0.010044	0.119329	0.084172
Mcrs1	ENSMUSG00000037570	2442.9	-0.04427	0.11329	-0.39074
Vps8	ENSMUSG00000033653	2424.363	0.262986	0.13746	1.91318
Faah	ENSMUSG00000034171	1919.364	-0.09946	0.070401	-1.41284
Tnfaip8	ENSMUSG00000062210	579.2678	0.004636	0.082782	0.056004
Flna	ENSMUSG00000031328	4511.262	-0.01873	0.079034	-0.23693
Tm2d1	ENSMUSG00000028563	1423.254	-0.02028	0.083349	-0.24336
Irf3	ENSMUSG00000003184	1333.121	-0.11873	0.076863	-1.54473
Git1	ENSMUSG00000011877	3748.418	0.037547	0.087652	0.428363
Mccc1	ENSMUSG00000027709	386.5647	0.09574	0.123408	0.775803
Nek2	ENSMUSG00000026622	1048.474	0.028235	0.069853	0.404198
Tor1b	ENSMUSG00000026848	3440.677	-0.06629	0.076091	-0.87123
Ndfip1	ENSMUSG00000024425	5363.269	0.034172	0.075407	0.45316
Angpt2	ENSMUSG00000031465	46.15322	-0.10898	0.127077	-0.85763
Zfp428	ENSMUSG00000064264	310.1702	-0.0582	0.127601	-0.45612
Kpna6	ENSMUSG00000003731	2381.685	0.027253	0.06019	0.452781
Abcb1a	ENSMUSG00000040584	110.7604	-0.00611	0.123534	-0.0495
Srsf9	ENSMUSG00000029538	1943.674	0.063792	0.083764	0.761569
Cdc26	ENSMUSG00000066149	1064.262	0.051318	0.085457	0.600514
Rnh1	ENSMUSG00000038650	4977.68	0.109011	0.085657	1.27265
H2afy	ENSMUSG00000015937	6232.671	-0.01084	0.063355	-0.17109
Bend3	ENSMUSG00000038214	410.0539	-0.09782	0.113997	-0.85805
Exo1	ENSMUSG00000039748	1258.992	-0.00414	0.108159	-0.03825
Pdgfa	ENSMUSG00000025856	281.9728	-0.0756	0.144852	-0.52191
Ccdc91	ENSMUSG00000030301	1067.604	-0.09847	0.084097	-1.17094
Vkorc1l1	ENSMUSG00000066735	2572.141	0.083402	0.084276	0.989638
Arcn1	ENSMUSG00000032096	10727.33	0.019953	0.088721	0.224895
Prkar1b	ENSMUSG00000025855	4032.237	0.106912	0.060979	1.753247
Atp1b2	ENSMUSG00000041329	778.7446	-0.01193	0.140548	-0.08492
Etfa	ENSMUSG00000032314	3648.869	0.143621	0.08149	1.762429
Ccdc9b	ENSMUSG00000045838	788.6204	-0.16872	0.098551	-1.71199
Tssc4	ENSMUSG00000045752	5641.552	-0.07414	0.08722	-0.85003
Zfp335os	ENSMUSG00000085436	188.5311	-0.08115	0.110001	-0.73772
Rbm12b1	ENSMUSG00000046667	286.5208	-0.06638	0.109393	-0.60681

Mief2	ENSMUSG00000018599	386.8681	0.032169	0.116934	0.275102
Bmt2	ENSMUSG00000042742	1030.704	0.059	0.140448	0.420086
Acbd6	ENSMUSG00000033701	1423.04	-0.01287	0.109103	-0.11793
Ippk	ENSMUSG00000021385	1445.856	0.11187	0.094649	1.181937
Ostm1	ENSMUSG00000038280	1790.557	-0.26307	0.077391	-3.3992
H1fx	ENSMUSG00000044927	1390.708	-0.16764	0.123325	-1.35937
Dtx3l	ENSMUSG00000049502	610.0768	-0.19222	0.077279	-2.48733
Irs1	ENSMUSG00000055980	643.8212	-0.21495	0.128906	-1.66753
Pfkfb3	ENSMUSG00000026773	2078.387	-0.01765	0.097444	-0.18111
Wdr41	ENSMUSG00000042015	1208.663	-0.01954	0.100004	-0.19537
Setd1b	ENSMUSG00000038384	769.0188	-0.15367	0.115192	-1.33406
Bex2	ENSMUSG00000042750	13408.93	0.089335	0.09577	0.9328
Pias3	ENSMUSG00000028101	1382.365	0.039824	0.072142	0.552028
Phf20	ENSMUSG00000038116	2256.263	0.12613	0.095251	1.324186
Gabpb2	ENSMUSG00000038766	2210.651	-0.12467	0.110924	-1.12389
Polm	ENSMUSG00000020474	641.3131	-0.13955	0.098478	-1.41712
Tmem151k	ENSMUSG00000096847	1304.879	-0.04439	0.07852	-0.5654
Kdm3a	ENSMUSG00000053470	2594.066	-0.04208	0.123533	-0.34064
Dnajc19	ENSMUSG00000027679	967.5374	0.025097	0.122559	0.204778
Rexo1	ENSMUSG00000047417	1569.533	-0.08065	0.092852	-0.86858
Paqr7	ENSMUSG00000037348	259.5059	-0.1109	0.115629	-0.95911
Tom1	ENSMUSG00000042870	2987.815	0.089906	0.113239	0.793946
Slc4a2	ENSMUSG00000028962	2991.794	0.056805	0.089766	0.632811
Rbm19	ENSMUSG00000029594	790.5749	0.15509	0.08736	1.775285
Rbak	ENSMUSG00000061898	324.0276	-0.18316	0.102852	-1.78078
Celf2	ENSMUSG00000002107	1735.304	0.054427	0.091172	0.596972
Sgsh	ENSMUSG00000005043	504.7125	-0.1511	0.093378	-1.61815
Sertad1	ENSMUSG00000008384	477.6837	-0.01508	0.126656	-0.11906
Ptcd1	ENSMUSG00000029624	561.1	-0.03859	0.09108	-0.42372
Slc18b1	ENSMUSG00000037455	199.3087	0.062694	0.117639	0.532933
Eif4ebp1	ENSMUSG00000031490	1126.926	0.011493	0.11623	0.098881
Rnf141	ENSMUSG00000030788	3093.827	-0.03938	0.08742	-0.45049
Etv6	ENSMUSG00000030199	835.7345	-0.27337	0.100451	-2.72143
Gm21781	ENSMUSG00000095123	284.0713	-0.029	0.093978	-0.30854
Arl4d	ENSMUSG00000034936	127.3055	-0.18113	0.145681	-1.24337
Efna1	ENSMUSG00000027954	84.84263	-0.07829	0.13469	-0.58127
Pced1b	ENSMUSG00000044250	182.5754	-0.22487	0.105372	-2.1341
Repin1	ENSMUSG00000052751	986.0868	-0.10964	0.101268	-1.08268
Plekhh2	ENSMUSG00000040852	416.997	-0.2742	0.146007	-1.87801
Atf5	ENSMUSG00000038539	6937.228	0.064928	0.14592	0.444952
2810006K2	ENSMUSG00000047635	627.2321	-0.06658	0.091262	-0.72951
Fam3a	ENSMUSG00000031399	1380.896	-0.08012	0.067615	-1.18489
Cbx1	ENSMUSG00000018666	2526.574	0.000286	0.051955	0.005513
Ndufaf3	ENSMUSG00000070283	983.583	-0.08637	0.124524	-0.69364
Haus8	ENSMUSG00000035439	1805.919	0.186793	0.112365	1.662387
Gdap1l1	ENSMUSG00000017943	4160.239	0.114997	0.092965	1.236989
C78859	ENSMUSG00000110710	1827.142	-0.11	0.099857	-1.10161
Ebf3	ENSMUSG00000010476	704.6178	-0.15236	0.111134	-1.37092
Gm14149	ENSMUSG00000067352	57.79006	0.12492	0.14563	0.85779
Wipi1	ENSMUSG00000041895	5605.149	-0.37677	0.137768	-2.73479
Sav1	ENSMUSG00000021067	1238.977	-0.16675	0.084794	-1.96657
Vps52	ENSMUSG00000024319	2564.046	0.023956	0.090321	0.265233

Camkk1	ENSMUSG00000020785	857.403	-0.0037	0.10818	-0.03424
Figl1	ENSMUSG00000095440	136.4149	-0.19813	0.121046	-1.63677
1700034P1	ENSMUSG00000097893	269.957	0.007291	0.142082	0.051314
Rexo5	ENSMUSG00000030924	480.4834	0.197736	0.133462	1.481584
Krt8	ENSMUSG00000049382	7337.242	-0.15051	0.071379	-2.10852
Lonrf3	ENSMUSG00000016239	220.6526	-0.0812	0.119158	-0.68143
Slc35g1	ENSMUSG00000044026	1916.43	-0.08947	0.14308	-0.62535
Casp9	ENSMUSG00000028914	667.3281	-0.19833	0.089365	-2.21932
Gtf3c5	ENSMUSG00000026816	1651.581	0.028221	0.064138	0.439998
Panct2	ENSMUSG00000097814	141.17	-0.00743	0.130731	-0.05685
Pinx1	ENSMUSG00000021958	177.9797	-0.01844	0.109559	-0.16833
Plcb4	ENSMUSG00000039943	1270.341	-0.11111	0.09557	-1.16259
Ankrd12	ENSMUSG00000034647	1347.22	0.010282	0.103925	0.09894
Ccdc122	ENSMUSG00000034795	202.673	-0.28664	0.144938	-1.97766
Abhd18	ENSMUSG00000037818	392.1798	0.056632	0.0894	0.633466
Pik3r3	ENSMUSG00000028698	1488.679	-0.07584	0.100257	-0.75644
Elavl2	ENSMUSG00000008489	593.9836	-0.04252	0.100206	-0.42435
Prpf40b	ENSMUSG00000023007	1106.751	0.015698	0.1281	0.122543
Narf	ENSMUSG00000000056	980.6444	0.02734	0.145981	0.187284
Rgs10	ENSMUSG00000030844	425.2773	-0.1821	0.129055	-1.41104
Gm3411	ENSMUSG00000079396	96.88397	0.102756	0.134907	0.761679
Zranb3	ENSMUSG00000036086	506.8736	-0.02545	0.098636	-0.258
Fetub	ENSMUSG00000022871	323.1252	-0.26656	0.135273	-1.97051
Pdpr	ENSMUSG00000033624	262.5399	-0.09585	0.145791	-0.65746
Ncaph2	ENSMUSG00000008690	6900.175	0.058304	0.073236	0.796112
Vamp1	ENSMUSG00000030337	472.4808	0.027415	0.085963	0.318911
Nme1	ENSMUSG00000037601	4598.354	0.180955	0.085866	2.107416
Knop1	ENSMUSG00000030980	1777.267	-0.29762	0.065429	-4.54869
Ctnna2	ENSMUSG00000063063	480.8455	-0.02196	0.116099	-0.18916
Iba57	ENSMUSG00000049287	360.2339	-0.22773	0.127138	-1.7912
4931428FC	ENSMUSG00000014837	1832.312	-0.04699	0.114719	-0.40964
Birc2	ENSMUSG00000057367	1407.43	-0.09331	0.087901	-1.06155
Phgdh	ENSMUSG00000053398	1164.432	0.049058	0.129569	0.378627
Myh14	ENSMUSG00000030739	496.1424	0.108809	0.105773	1.028696
Stc2	ENSMUSG00000020303	103.3472	-0.05729	0.144035	-0.39773
Cyp2u1	ENSMUSG00000027983	304.7399	0.001299	0.108304	0.011991
Morc2a	ENSMUSG00000034543	2283.909	-0.0445	0.084734	-0.52512
Ffar3	ENSMUSG00000019429	1081.578	-0.03671	0.084779	-0.43303
Deptor	ENSMUSG00000022419	1106.898	-0.21502	0.080911	-2.65747
Anln	ENSMUSG00000036777	3718.656	-0.13883	0.088068	-1.57644
Ncl	ENSMUSG00000026234	12773.76	0.116141	0.104448	1.111954
Svip	ENSMUSG00000074093	1119.538	-0.17708	0.118253	-1.49747
Mfsd11	ENSMUSG00000020818	2685.787	0.074438	0.13576	0.548304
Zxdc	ENSMUSG00000034430	750.2631	-0.00475	0.093354	-0.05089
Cux1	ENSMUSG00000029705	3853.753	-0.03739	0.050589	-0.73918
Ppp4r4	ENSMUSG00000021209	716.5527	0.062958	0.103085	0.610741
Zfp30	ENSMUSG00000047473	147.3411	-0.0016	0.107315	-0.01489
Itpa	ENSMUSG00000074797	2380.062	0.046276	0.081433	0.568268
Zfp433	ENSMUSG00000096795	288.772	-0.16876	0.103534	-1.63003
Mfsd2a	ENSMUSG00000028655	64.11255	-0.15723	0.145768	-1.07861
Unc5c	ENSMUSG00000059921	859.628	0.111996	0.143103	0.782628
Parp12	ENSMUSG00000038507	884.5754	-0.21325	0.093468	-2.28154

Abcc10	ENSMUSG00000032842	330.0661	-0.1407	0.093023	-1.51252
Foxj1	ENSMUSG00000034227	127.4903	-0.09455	0.14458	-0.65399
Slc35g2	ENSMUSG00000070287	2473.169	0.03585	0.082424	0.434949
Trmt61a	ENSMUSG00000060950	328.3407	0.008802	0.091759	0.09593
Tmem144	ENSMUSG00000027956	173.9724	-0.19009	0.138174	-1.37574
Gramd1b	ENSMUSG00000040111	1679.247	-0.12717	0.109653	-1.15973
Gm8113	ENSMUSG00000089901	617.1847	0.019538	0.121119	0.161312
Epn2	ENSMUSG00000001036	1180.529	-0.03082	0.078703	-0.39162
Adora2b	ENSMUSG00000018500	40.86666	-0.13161	0.145097	-0.90703
Elp3	ENSMUSG00000022031	4052.915	0.043267	0.067399	0.641953
Olfr12b	ENSMUSG00000038463	217.7251	-0.12705	0.101446	-1.25239
Ocr1	ENSMUSG00000001173	2141.006	0.047929	0.079806	0.600571
Spats2	ENSMUSG00000051934	842.1886	-0.15984	0.145847	-1.09592
Bin3	ENSMUSG00000022089	534.966	-0.13419	0.105121	-1.27655
Endod1	ENSMUSG00000037419	735.5425	-0.05666	0.100967	-0.56119
Glud1	ENSMUSG00000021794	4712.744	0.006801	0.070874	0.095954
Ndrp2	ENSMUSG00000004558	396.2422	-0.1086	0.138645	-0.78328
Get4	ENSMUSG00000025858	2763.232	0.166363	0.088596	1.87778
Stim1	ENSMUSG00000030987	2396.718	-0.1178	0.078275	-1.50497
Nisch	ENSMUSG00000021910	14074.61	0.019396	0.066143	0.293237
Cckar	ENSMUSG00000029193	68.59412	0.065888	0.133408	0.493885
Polr3h	ENSMUSG00000022476	703.2165	0.015251	0.079913	0.190851
Rpl39-ps	ENSMUSG00000036305	51.2575	0.025239	0.145906	0.17298
Tm7sf3	ENSMUSG00000040234	729.7384	-0.20206	0.121631	-1.66123
Rabgap1	ENSMUSG00000035437	2283.13	0.022928	0.079642	0.287882
Rcl1	ENSMUSG00000024785	437.1156	-0.00222	0.087471	-0.02544
Prmt3	ENSMUSG00000045009	888.2737	-0.13138	0.091026	-1.44327
Pip4k2b	ENSMUSG00000018547	993.7627	-0.04655	0.086732	-0.5367
Brf1	ENSMUSG00000011158	1430.395	0.107643	0.083509	1.288993
Pgm3	ENSMUSG00000056131	1016.464	0.083277	0.081739	1.018805
Zmat3	ENSMUSG00000027663	2256.194	-0.186	0.090994	-2.0441
Klf9	ENSMUSG00000033863	514.1372	-0.05724	0.142455	-0.40182
Dtnb	ENSMUSG00000071454	2026.529	0.003276	0.091811	0.035683
Lrfr1	ENSMUSG00000056260	904.6024	-0.23992	0.101466	-2.36458
Ifng2	ENSMUSG00000022965	553.746	-0.08792	0.113732	-0.77305
Otulin	ENSMUSG00000046034	627.5741	0.052835	0.103336	0.511292
Ece1	ENSMUSG00000057530	32581.01	0.069512	0.10877	0.639073
Baz1a	ENSMUSG00000035021	537.8936	-0.28818	0.1439	-2.00264
Ston2	ENSMUSG00000020961	108.4914	0.185385	0.144833	1.27999
Med1	ENSMUSG00000018160	1424.675	0.048724	0.067401	0.722898
Syne2	ENSMUSG00000063450	1371.095	-0.14568	0.101244	-1.43892
Stam2	ENSMUSG00000055371	2263.056	0.061509	0.087443	0.703419
Sprn	ENSMUSG00000045733	179.0711	-0.13341	0.1359	-0.98169
Pcgf1	ENSMUSG00000069678	486.8708	-0.10163	0.108596	-0.93584
Gm3294	ENSMUSG00000092090	398.2378	-0.1567	0.125376	-1.24984
Rbm8a	ENSMUSG00000038374	2643.995	0.105769	0.122999	0.859922
Zyx	ENSMUSG00000029860	2582.312	-0.09486	0.11925	-0.79544
M5C1000I	ENSMUSG00000055125	278.8044	-0.05311	0.145962	-0.36383
Rhpn1	ENSMUSG00000022580	423.6132	-0.03476	0.094489	-0.36784
Dynl13	ENSMUSG00000031176	2962.825	-0.28459	0.081581	-3.48843
Grasp	ENSMUSG00000000531	204.6364	-0.07708	0.112662	-0.68418
Saal1	ENSMUSG00000006763	745.9013	-0.07081	0.085001	-0.83308

Chd7	ENSMUSG00000041235	2184.686	-0.00116	0.100658	-0.01155
Dscam	ENSMUSG00000050272	142.1275	0.052625	0.116883	0.450236
Sort1	ENSMUSG00000068747	4899.769	-0.13404	0.06923	-1.93607
Golga4	ENSMUSG00000038708	3371.512	0.00281	0.096538	0.02911
Ddit3	ENSMUSG00000025408	942.9318	-0.00197	0.137215	-0.01432
Zfp41	ENSMUSG00000047003	606.3746	0.04465	0.096777	0.461371
Smarca2	ENSMUSG00000024921	3112.631	-0.08314	0.077125	-1.07803
D6Wsu163	ENSMUSG00000030347	1043.549	0.081408	0.100728	0.8082
Grik5	ENSMUSG00000003378	1939.546	-0.02196	0.123996	-0.17709
Slc45a4	ENSMUSG00000079020	821.887	0.021473	0.088116	0.243695
Jtb	ENSMUSG00000027937	1386.415	0.026935	0.09236	0.291628
Tha1	ENSMUSG00000017713	210.6722	-0.05587	0.140636	-0.3973
Asphd1	ENSMUSG00000046378	515.5402	-0.04629	0.130389	-0.35501
Ogfr	ENSMUSG00000049401	2861.714	-0.05802	0.076999	-0.75352
Mrpl2	ENSMUSG00000002767	1181.734	0.087736	0.090802	0.966228
Gm17494	ENSMUSG00000057359	391.6051	0.117545	0.116884	1.005657
Zfp629	ENSMUSG00000045639	923.3935	-0.13118	0.083661	-1.56801
Acsn2	ENSMUSG00000030945	39.18479	0.121854	0.145517	0.837383
Ttll3	ENSMUSG00000030276	199.5345	-0.15585	0.126946	-1.2277
Dpp4	ENSMUSG00000035000	1384.933	-0.00068	0.129847	-0.00524
Chmp2a	ENSMUSG00000033916	3310.463	-0.00807	0.123343	-0.06544
Pigf	ENSMUSG00000024145	725.0654	0.085547	0.094953	0.900939
Taok2	ENSMUSG00000059981	5105.472	-0.03921	0.072856	-0.53823
Shank2	ENSMUSG00000037541	386.2136	-0.04707	0.145974	-0.32247
Spryd7	ENSMUSG00000021930	1645.683	0.011838	0.067505	0.175369
Mrps33	ENSMUSG00000029918	2252.885	0.014802	0.110667	0.133749
Ube2e2	ENSMUSG00000058317	946.252	-0.01059	0.118402	-0.08944
Nrbf2	ENSMUSG00000075000	641.6202	-0.14736	0.112667	-1.30795
Slc35a3	ENSMUSG00000027957	1746.715	-0.00219	0.09157	-0.02394
Armcx3	ENSMUSG00000049047	2940.828	-0.06829	0.137597	-0.49628
Nfkb2	ENSMUSG00000025225	1061.232	-0.08032	0.092142	-0.87165
Tspyl2	ENSMUSG00000041096	2516.008	0.161397	0.096207	1.677609
Gm20163	ENSMUSG000000110611	163.7481	0.001292	0.124754	0.010356
Slc25a20	ENSMUSG00000032602	635.5656	-0.01803	0.097923	-0.18416
Plekhg1	ENSMUSG00000040624	115.0592	0.009745	0.144134	0.067607
B330016D	ENSMUSG00000048406	257.1958	-0.12389	0.122953	-1.0076
Sncb	ENSMUSG00000034891	1841.331	-0.26324	0.112327	-2.3435
Sucgl1	ENSMUSG00000052738	3034.876	0.121759	0.083997	1.44957
Neurl1a	ENSMUSG00000006435	1083.176	-0.22046	0.126975	-1.73625
Adamts17	ENSMUSG00000058145	97.92136	-0.1376	0.137207	-1.00283
Tmod3	ENSMUSG00000058587	1514.945	-0.06848	0.104208	-0.65713
Hif1a	ENSMUSG00000021109	1668.715	-0.04492	0.125251	-0.35866
Wdr81	ENSMUSG00000045374	986.4102	-0.13716	0.135937	-1.00903
B3galt5	ENSMUSG00000074892	3467.992	-0.17453	0.102522	-1.70241
Sdk1	ENSMUSG00000039683	1115.503	-0.10075	0.103314	-0.9752
Ppp2r5b	ENSMUSG000000107330	1125.595	-0.04403	0.093076	-0.47309
Tmem123	ENSMUSG00000050912	686.0568	-0.50416	0.095438	-5.28259
Prelid1	ENSMUSG00000021486	11170	0.019596	0.127293	0.153947
Srsf1	ENSMUSG00000098301	5027.147	0.074255	0.067435	1.101142
Chga	ENSMUSG00000021194	443442.9	-0.06135	0.078982	-0.77676
Dennd1c	ENSMUSG00000002668	119.2519	-0.16664	0.141688	-1.17612
2310009B1	ENSMUSG00000079283	354.9926	-0.01735	0.140853	-0.12316

Dtwd1	ENSMUSG00000023330	184.9023	-0.05674	0.100761	-0.56315
Tssk6	ENSMUSG00000047654	100.9304	0.004936	0.129626	0.038075
Zfp945	ENSMUSG00000059142	348.5049	0.012983	0.123791	0.104881
Tex15	ENSMUSG00000009628	473.7612	-0.00823	0.1311	-0.06281
Tuft1	ENSMUSG00000005968	799.7646	0.038447	0.116137	0.331049
Gk5	ENSMUSG00000041440	199.6534	-0.00345	0.125556	-0.02746
Crk	ENSMUSG00000017776	3091.63	-0.0124	0.087089	-0.14241
Pex2	ENSMUSG00000040374	1611.96	-0.08628	0.094209	-0.91584
Pex12	ENSMUSG00000018733	425.1788	-0.09475	0.121126	-0.78227
Fbxl20	ENSMUSG00000020883	534.9017	-0.06485	0.095769	-0.6771
Sp1	ENSMUSG00000001280	2540.278	-0.08884	0.092378	-0.96168
Pwwp2a	ENSMUSG00000044950	783.4524	-0.11542	0.096647	-1.19424
Bcorl1	ENSMUSG00000036959	205.7298	-0.17977	0.123277	-1.45828
Ptprr	ENSMUSG00000020151	455.2763	-0.02851	0.088951	-0.32055
Cped1	ENSMUSG00000062980	82.99706	-0.04582	0.109123	-0.41988
Hook3	ENSMUSG00000037234	1013.071	-0.00659	0.119598	-0.05512
Shpk	ENSMUSG00000005951	221.8049	0.042735	0.115981	0.368464
Tsen34	ENSMUSG00000035585	3405.669	0.134207	0.098541	1.361938
Gm12976	ENSMUSG00000087575	88.60008	0.035724	0.13149	0.271684
Ffar2	ENSMUSG00000051314	1068.946	-0.12677	0.129191	-0.98128
Zbtb22	ENSMUSG00000051390	1043.176	0.037387	0.08801	0.424802
Fanc1	ENSMUSG00000004018	356.9339	0.103063	0.102324	1.007223
Zfp317	ENSMUSG00000057551	721.8095	-0.00812	0.092391	-0.08791
Nr2c2ap	ENSMUSG00000071078	896.8813	0.067354	0.123994	0.543207
Srsf1	ENSMUSG00000018379	5027.054	0.074194	0.067428	1.100339
Adpgk	ENSMUSG00000025236	1798.997	-0.0655	0.084786	-0.77254
Kdelc2	ENSMUSG00000034487	323.0362	-0.00127	0.108137	-0.01177
Lhpp	ENSMUSG00000030946	1655.729	-0.20287	0.0688	-2.94872
Klhl12	ENSMUSG00000026455	1015.729	0.085125	0.073542	1.157491
Shprh	ENSMUSG00000090112	1003.365	0.072296	0.104799	0.689854
Mapk4	ENSMUSG00000024558	307.1094	-0.17781	0.138239	-1.28628
Rpl29	ENSMUSG00000048758	12186.93	-0.11384	0.107174	-1.06217
Ube2q2	ENSMUSG00000032307	1400.729	-0.07448	0.11685	-0.63741
mt-Ts1	ENSMUSG00000064352	298.3139	-0.11111	0.14431	-0.76997
Aff2	ENSMUSG00000031189	301.8029	-0.10966	0.145813	-0.75203
Zscan25	ENSMUSG00000070420	384.9381	-0.08877	0.11057	-0.80286
Chkb	ENSMUSG00000022617	1678.82	0.018477	0.092019	0.200793
Lgals12	ENSMUSG00000024972	229.8372	-0.3222	0.122744	-2.62495
Aldh2	ENSMUSG00000029455	447.2726	-0.07708	0.100552	-0.76659
39142	ENSMUSG00000026977	1776.966	-0.06901	0.116318	-0.59328
Jakmip1	ENSMUSG00000063646	518.2142	0.186513	0.134557	1.386124
Sem1	ENSMUSG00000042541	3192.089	-0.08131	0.118824	-0.68427
Pcsk2os2	ENSMUSG00000087115	56.20666	0.036618	0.131224	0.279047
Rnpep	ENSMUSG00000041926	2189.714	0.041166	0.092026	0.447325
Ccdc166	ENSMUSG00000098176	333.6641	-0.04598	0.110286	-0.41689
Grik2	ENSMUSG00000056073	108.4903	-0.10447	0.118303	-0.88309
Smtnl2	ENSMUSG00000045667	195.9778	-0.05939	0.113928	-0.52127
Yipf1	ENSMUSG00000057375	1798.598	-0.12013	0.100281	-1.19793
Nr1h2	ENSMUSG00000060601	1607.454	-0.04613	0.091665	-0.50322
Cnp	ENSMUSG00000006782	549.917	-0.08399	0.082713	-1.01546
Rbm25	ENSMUSG00000010608	3187.69	0.022557	0.100745	0.2239
Adamts12	ENSMUSG00000047497	40.78056	-0.10396	0.145992	-0.71208

Kcnmb1	ENSMUSG00000020155	44.53643	-0.11021	0.14554	-0.75727
Ddx59	ENSMUSG00000026404	324.3706	-0.11532	0.107547	-1.07229
Uck1	ENSMUSG00000002550	2309.009	-0.029	0.072009	-0.40272
Dhodh	ENSMUSG00000031730	686.1767	0.24572	0.100837	2.436792
Kpnb1	ENSMUSG00000001440	12848.74	0.152039	0.084973	1.789263
Wdr83	ENSMUSG00000005150	925.0784	0.076622	0.095146	0.805312
Wnt5a	ENSMUSG00000021994	256.4967	-0.13043	0.121445	-1.07395
Tanc1	ENSMUSG00000035168	680.4701	0.005026	0.141493	0.035522
Pogk	ENSMUSG00000040596	1134.656	-0.14739	0.087325	-1.68787
Ppp2r5b	ENSMUSG00000024777	1125.595	-0.04403	0.093076	-0.47309
Pcdha11	ENSMUSG00000007440	420.9381	-0.02621	0.144638	-0.18119
Dnajc21	ENSMUSG00000044224	1623.33	-0.00708	0.095392	-0.0742
Caprin1	ENSMUSG00000027184	10666.31	0.045276	0.085777	0.527833
Gm37305	ENSMUSG000000103041	106.3786	-0.21413	0.133296	-1.60644
Amotl2	ENSMUSG00000032531	761.0189	0.006433	0.099853	0.064429
Hps6	ENSMUSG00000074811	377.7606	-0.02289	0.100382	-0.22799
Stat5b	ENSMUSG00000020919	1622.303	-0.06253	0.059476	-1.05131
Gm14391	ENSMUSG00000078903	396.3667	-0.0026	0.137812	-0.01887
Rps3a1	ENSMUSG00000028081	19862.92	0.077695	0.099987	0.777048
Vwa5a	ENSMUSG00000023186	1093.65	-0.18039	0.115637	-1.55994
Lym1	ENSMUSG00000030922	129.2929	0.096449	0.138681	0.69547
Ano9	ENSMUSG00000054662	671.3201	0.020234	0.087793	0.230471
Tubgcp4	ENSMUSG00000027263	2463.037	-0.13044	0.075705	-1.72295
Tesk1	ENSMUSG00000028458	1954.651	-0.0561	0.07212	-0.77783
Pygl	ENSMUSG00000021069	228.2193	-0.0644	0.114581	-0.56207
Gad2	ENSMUSG00000026787	2607.718	-0.1709	0.101216	-1.68843
Apobec3	ENSMUSG00000009585	1361.053	-0.0614	0.113195	-0.54238
Mtmt12	ENSMUSG00000039458	408.9078	-0.08324	0.096034	-0.86681
Phyhl1	ENSMUSG00000037747	1672.921	-0.10998	0.067537	-1.62839
Top3a	ENSMUSG00000002814	528.649	0.022538	0.102798	0.219248
Zfyve16	ENSMUSG00000021706	530.6806	0.100432	0.102185	0.982848
Mrps21	ENSMUSG00000054312	2102.943	0.089791	0.108311	0.82901
Srsf5	ENSMUSG00000021134	6839.873	-0.02683	0.080808	-0.33203
Nsmf	ENSMUSG00000006476	2282.303	-0.06478	0.074348	-0.87136
Gfm2	ENSMUSG00000021666	1110.714	-0.1022	0.076781	-1.33111
Slc6a17	ENSMUSG00000027894	2840.876	-0.03803	0.109818	-0.34632
Car5b	ENSMUSG00000031373	747.9131	0.035097	0.105121	0.333869
Kcnh1	ENSMUSG00000058248	832.4213	-0.17895	0.108082	-1.65571
Plbd2	ENSMUSG00000029598	1286.397	0.005502	0.070638	0.077886
2900005J1	ENSMUSG00000043833	128.4177	-0.05451	0.145983	-0.37341
Parva	ENSMUSG00000030770	5471.442	-0.09997	0.068387	-1.46186
Msh5	ENSMUSG00000007035	123.9773	-0.10526	0.146011	-0.72093
Rab43	ENSMUSG00000030055	555.348	0.143139	0.145999	0.980416
Pnkp	ENSMUSG00000002963	935.8571	0.029865	0.11406	0.261834
Cic	ENSMUSG00000005442	4497.882	0.063751	0.077562	0.821932
Cdk12	ENSMUSG00000003119	907.8203	-0.15112	0.103801	-1.45588
Gm26869	ENSMUSG00000097879	89.21675	0.075493	0.140872	0.5359
Frmd6	ENSMUSG00000048285	80.59936	-0.16026	0.145053	-1.10482
Myc	ENSMUSG00000022346	229.8455	-0.27892	0.119712	-2.32996
Kdm5a	ENSMUSG00000030180	1120.455	0.01524	0.117703	0.129482
Whamm	ENSMUSG00000045795	885.8356	-0.02831	0.130131	-0.21757
Cfap61	ENSMUSG00000037143	79.77183	0.219087	0.125698	1.742972

Arid1a	ENSMUSG00000007880	3523.246	-0.11806	0.100965	-1.16932
Selenok	ENSMUSG000000042682	3171.98	0.060628	0.110681	0.54777
Dag1	ENSMUSG000000039952	4721.069	-0.00218	0.106828	-0.02044
Tbc1d12	ENSMUSG000000048720	263.4409	-0.17606	0.112885	-1.55968
Slc35d3	ENSMUSG000000050473	629.0863	-0.07329	0.107071	-0.68446
Rbbp9	ENSMUSG000000027428	467.7427	-0.02408	0.090817	-0.26514
Bcl10	ENSMUSG000000028191	820.2921	-0.0482	0.07391	-0.65213
Tradd	ENSMUSG000000031887	754.73	-0.00714	0.087147	-0.08192
Dcun1d2	ENSMUSG000000038506	985.6226	-0.05473	0.071812	-0.76218
Dennd4b	ENSMUSG000000042404	699.5057	-0.00436	0.098465	-0.04432
Mettl13	ENSMUSG000000026694	840.3489	0.18051	0.075341	2.395908
Akt3	ENSMUSG000000019699	2340.585	-0.20983	0.104989	-1.9986
Tigd2	ENSMUSG000000049232	352.1735	-0.14207	0.110082	-1.29058
Gas2l1	ENSMUSG000000034201	979.8584	-0.08177	0.101458	-0.80594
Ube2o	ENSMUSG000000020802	4279.6	0.02124	0.078318	0.271197
Commd7	ENSMUSG000000056941	1547.956	-0.02033	0.092796	-0.21908
Mrpl55	ENSMUSG000000036860	791.102	0.104379	0.106196	0.982888
Cep250	ENSMUSG000000038241	1589.381	0.016654	0.084302	0.197551
Htt	ENSMUSG000000029104	1865.71	-0.17533	0.096981	-1.80786
Mrpl19	ENSMUSG000000030045	716.6658	0.074324	0.082601	0.899791
Arhgap39	ENSMUSG000000033697	746.3586	0.077628	0.123503	0.628557
Ovol2	ENSMUSG000000037279	606.9894	-0.02768	0.140774	-0.19661
Cdyl	ENSMUSG000000059288	299.9942	-0.20664	0.101679	-2.03223
Atf7	ENSMUSG000000099083	867.7497	-0.01778	0.127846	-0.13905
Angel2	ENSMUSG000000026634	653.5276	-0.15873	0.074435	-2.13252
Tmem108	ENSMUSG000000042757	2070.156	-0.28032	0.082367	-3.40333
Chd5	ENSMUSG000000005045	145.4985	-0.17588	0.138007	-1.27446
Pex5l	ENSMUSG000000027674	4012.28	0.017299	0.145322	0.119042
Ankrd44	ENSMUSG000000052331	1239.071	0.028977	0.117184	0.247278
Mrpl43	ENSMUSG000000025208	1203.947	0.092356	0.098014	0.942273
Foxo6	ENSMUSG000000052135	956.8219	-0.03764	0.088432	-0.42564
Tesk2	ENSMUSG000000033985	236.0062	-0.05232	0.106051	-0.49337
Hsbp1l1	ENSMUSG000000078963	257.1123	-0.11319	0.14571	-0.77684
Gcdh	ENSMUSG000000003809	1441.717	0.011468	0.083144	0.137928
Sarm1	ENSMUSG000000050132	725.6447	0.022191	0.090972	0.243937
Sertad2	ENSMUSG000000049800	315.7714	-0.05587	0.11763	-0.47499
Mkx	ENSMUSG000000061013	591.7173	-0.02238	0.09258	-0.24178
Ikbkg	ENSMUSG000000004221	1035.373	-0.02292	0.082506	-0.27786
Trim27	ENSMUSG000000021326	2331.785	0.084813	0.093794	0.904249
Tmem8b	ENSMUSG000000078716	507.3689	-0.1337	0.087808	-1.52266
Thumpd3	ENSMUSG000000030264	1003.194	0.008518	0.091307	0.09329
Pdcd11	ENSMUSG000000025047	1578.081	0.056715	0.085282	0.665031
Fktn	ENSMUSG000000028414	1599.303	-0.17266	0.092829	-1.86
Dtx1	ENSMUSG000000029603	1134.474	0.08686	0.110907	0.783179
Cdc42bpa	ENSMUSG000000026490	2910.139	0.042166	0.076143	0.553769
Cdkn2a	ENSMUSG000000044303	3427.643	0.047764	0.113902	0.419346
Pelo	ENSMUSG000000042275	660.5232	0.069632	0.079858	0.871947
Slc35b2	ENSMUSG000000037089	3176.157	0.052607	0.078356	0.67139
4930430Fc	ENSMUSG000000046567	367.2395	0.017126	0.08748	0.19577
Dpy19l1	ENSMUSG000000043067	572.2026	-0.14544	0.110226	-1.31948
Gm17354	ENSMUSG000000091985	138.9165	-0.18088	0.114297	-1.58252
Gmip	ENSMUSG000000036246	974.0305	0.005078	0.082216	0.061769

Trmt5	ENSMUSG00000034442	426.2962	-0.18508	0.081906	-2.25968
Ankzf1	ENSMUSG00000026199	717.6901	-0.09398	0.125494	-0.74889
Lpl	ENSMUSG00000015568	2604.308	0.164011	0.142822	1.148354
Ispd	ENSMUSG00000043153	124.3975	-0.05148	0.107062	-0.48082
Dapk3	ENSMUSG00000034974	1205.095	0.020588	0.091114	0.225963
Polr3f	ENSMUSG00000027427	1055.951	-0.05523	0.077085	-0.71653
Bnip2	ENSMUSG00000011958	505.5572	-0.10835	0.102546	-1.0566
Arhgap10	ENSMUSG00000037148	509.8356	-0.16028	0.107671	-1.48865
Zmat2	ENSMUSG00000001383	1977.268	0.102399	0.093546	1.094639
Gripap1	ENSMUSG00000031153	2292.458	0.045047	0.071452	0.630455
Cd24a	ENSMUSG00000047139	6088.807	-0.08465	0.108627	-0.77925
Slc41a1	ENSMUSG00000013275	279.1274	-0.21285	0.143611	-1.48212
Arap1	ENSMUSG00000032812	1016.43	-0.03189	0.098444	-0.3239
Tmem129	ENSMUSG00000019295	1789.817	-0.04001	0.088477	-0.4522
Trim23	ENSMUSG00000021712	754.6918	0.082279	0.109514	0.751313
Mcrip1	ENSMUSG00000061111	2748.607	0.006725	0.120518	0.055803
Stat1	ENSMUSG00000026104	1563.697	-0.08128	0.084514	-0.96176
Socs5	ENSMUSG00000037104	684.0024	0.024614	0.116502	0.211276
Urod	ENSMUSG00000028684	1720.334	0.011304	0.073669	0.153436
Ybx2	ENSMUSG00000018554	397.4892	-0.03464	0.129308	-0.2679
Shisa4	ENSMUSG00000041889	137.174	-0.23058	0.127331	-1.81086
Smpd2	ENSMUSG00000019822	990.5132	0.147215	0.111361	1.321962
Cnot1	ENSMUSG00000036550	7308.524	-0.0632	0.128884	-0.49034
Psmb3	ENSMUSG00000069744	3611.383	0.112399	0.112874	0.995791
Gm10778	ENSMUSG00000096856	264.8964	-0.0844	0.106917	-0.78943
Hbp1	ENSMUSG00000002996	1226.484	-0.15557	0.132194	-1.17683
Mri1	ENSMUSG00000004996	729.2018	-0.00685	0.126589	-0.05414
Thap1	ENSMUSG00000037214	417.3951	0.099309	0.105025	0.945576
Flrt1	ENSMUSG00000047787	68.27283	0.03953	0.138445	0.28553
Rimk1a	ENSMUSG00000048899	1514.413	-0.04545	0.098239	-0.4627
Cyp4v3	ENSMUSG00000079057	762.3889	-0.09419	0.132331	-0.71181
Gm5590	ENSMUSG00000046372	60.69422	0.04991	0.142464	0.350334
Hif1an	ENSMUSG00000036450	2201.131	-0.07673	0.066142	-1.16001
Gigyf1	ENSMUSG00000029714	1298.547	-0.0107	0.130335	-0.08213
Rbm11	ENSMUSG00000032940	98.42834	-0.01036	0.129541	-0.07994
Abtb2	ENSMUSG00000032724	684.2973	-0.10312	0.086714	-1.18922
Dnttip2	ENSMUSG00000039756	1491.759	0.096321	0.084116	1.145101
Cacna2d1	ENSMUSG00000040118	3256.944	0.044519	0.061581	0.722936
Tbc1d17	ENSMUSG00000038520	1640.782	0.102686	0.064343	1.59591
Fyttd1	ENSMUSG00000022800	2156.738	-0.00261	0.094837	-0.02748
Eepd1	ENSMUSG00000036611	901.1495	-0.10019	0.083119	-1.20541
Acadl	ENSMUSG00000026003	1497.019	-0.16695	0.069691	-2.39558
Elp6	ENSMUSG00000054836	400.7533	0.113572	0.115517	0.983165
Csnk1g2	ENSMUSG00000003345	3282.455	-0.02029	0.05585	-0.36326
Ascc1	ENSMUSG00000044475	969.7183	-0.09415	0.114153	-0.82475
Mapkbp1	ENSMUSG00000033902	683.0302	-0.0561	0.11184	-0.50163
Cebpg	ENSMUSG00000056216	2489.797	-0.13179	0.140733	-0.93646
Csmd2	ENSMUSG00000028804	843.5216	-0.30462	0.090933	-3.34993
Ndufs7	ENSMUSG00000020153	2113.439	0.123366	0.10705	1.152413
Fam135b	ENSMUSG00000036800	50.72402	-0.09609	0.145929	-0.65849
Smarcd1	ENSMUSG00000023018	1181.26	-0.14742	0.114248	-1.29039
Bambi	ENSMUSG00000024232	1291.622	-0.14411	0.14457	-0.99684

Slc2a9	ENSMUSG00000005107	110.6619	-0.15555	0.143376	-1.08493
Iqcc	ENSMUSG00000040795	439.1254	0.020502	0.114825	0.178548
Tbcc	ENSMUSG00000036430	648.6622	0.103463	0.120753	0.856815
Plin2	ENSMUSG00000028494	538.2771	-0.0035	0.140334	-0.02497
Dach2	ENSMUSG00000025592	842.1358	-0.02319	0.079843	-0.29045
H6pd	ENSMUSG00000028980	1108.468	-0.08213	0.079934	-1.02746
Zmpste24	ENSMUSG00000043207	3709.185	-0.01598	0.084296	-0.18961
Fhod3	ENSMUSG00000034295	805.8366	-0.14406	0.132348	-1.08847
Meis3	ENSMUSG00000041420	1216.86	-0.12658	0.092781	-1.36431
Plekhf1	ENSMUSG00000074170	197.1555	-0.14273	0.124783	-1.14385
Slc4a3	ENSMUSG00000006576	1400.256	0.117084	0.123544	0.947716
Thap11	ENSMUSG00000036442	1457.362	0.050173	0.116664	0.430063
Tctn3	ENSMUSG00000025008	773.0764	-0.07569	0.083736	-0.90397
Rnd1	ENSMUSG00000054855	580.3539	0.12418	0.095578	1.299251
Map2k7	ENSMUSG00000002948	1975.995	-0.20799	0.072493	-2.86915
Map3k15	ENSMUSG00000031303	2349.931	-0.00959	0.135676	-0.07067
Arsa	ENSMUSG00000022620	1769.489	-0.03912	0.136726	-0.28615
Ppp1cb	ENSMUSG00000014956	7932.489	0.060087	0.101953	0.589361
Ciapi1	ENSMUSG00000031781	2000.836	-0.00353	0.086618	-0.04077
Ttll1	ENSMUSG00000022442	707.9308	0.028564	0.077954	0.366425
Cmpk2	ENSMUSG00000020638	986.7174	-0.08831	0.129382	-0.68252
Lhfpl4	ENSMUSG00000042873	5090.743	0.01284	0.129448	0.099189
Mical3	ENSMUSG00000051586	1218.015	-0.03519	0.082317	-0.42755
Rsb1l	ENSMUSG00000039968	591.8094	0.004151	0.09916	0.041857
Slc9a5	ENSMUSG00000014786	954.6424	0.06396	0.107085	0.597287
Pfkm	ENSMUSG00000033065	2531.991	0.096321	0.083462	1.154063
Naxd	ENSMUSG00000031505	1654.937	-0.05683	0.09267	-0.61321
Gmeb1	ENSMUSG00000028901	782.7097	0.023507	0.097153	0.241963
Psmd3	ENSMUSG00000017221	4345.029	0.043229	0.101296	0.426765
5031439G	ENSMUSG00000036046	4142.762	0.145506	0.094355	1.54212
Socs3	ENSMUSG00000053113	667.4273	0.016495	0.117021	0.140956
Tmeff2	ENSMUSG00000026109	256.472	-0.08022	0.143568	-0.55874
Cdk5rap3	ENSMUSG00000018669	2409.805	-0.06808	0.076391	-0.89121
Zfp865	ENSMUSG00000074405	1070.543	-0.11218	0.084239	-1.33168
Gm8430	ENSMUSG00000055093	46.74346	-0.02446	0.045818	-0.53393
Taf1b	ENSMUSG00000059669	451.8789	-0.06338	0.104194	-0.60827
Mis18a	ENSMUSG00000022978	1172.689	0.070279	0.089218	0.787719
Adrm1	ENSMUSG00000039041	3569.045	0.100953	0.081065	1.245333
Creg1	ENSMUSG00000040713	3262.116	0.022476	0.1271	0.176836
Pard6b	ENSMUSG00000044641	219.4189	-0.21766	0.109158	-1.99395
Vps18	ENSMUSG00000034216	1263.881	0.055329	0.072771	0.760318
Ick	ENSMUSG00000009828	467.4602	-0.0358	0.086234	-0.41518
Dusp15	ENSMUSG00000042662	911.5587	0.22079	0.094666	2.3323
Rbpj	ENSMUSG00000039191	1029.528	-0.05305	0.106437	-0.49843
Plekhg5	ENSMUSG00000039713	418.7843	-0.04347	0.094356	-0.46069
Natd1	ENSMUSG00000018931	914.6823	-0.2301	0.105428	-2.18249
Pter	ENSMUSG00000026730	374.6662	0.172563	0.133742	1.290263
Trim2	ENSMUSG00000027993	1064.179	-0.10015	0.080883	-1.2382
Dixdc1	ENSMUSG00000032064	146.0223	-0.00089	0.143407	-0.00619
Camk2n1	ENSMUSG00000046447	9288.919	-0.18942	0.076566	-2.47392
Prkar1a	ENSMUSG00000020612	52543	-0.1665	0.072283	-2.30343
Msantd3	ENSMUSG00000039693	265.2271	-0.21191	0.126121	-1.68024

Brd1	ENSMUSG00000022387	2180.286	-0.01306	0.119362	-0.10945
Aurka	ENSMUSG00000027496	2762.709	-0.06042	0.103849	-0.58177
Deaf1	ENSMUSG00000058886	1528.09	-0.14233	0.081055	-1.75594
Trmt13	ENSMUSG00000033439	326.1619	-0.07139	0.118103	-0.60448
Abcg1	ENSMUSG00000024030	2128.542	-0.05581	0.144723	-0.38565
Cul7	ENSMUSG00000038545	1919.768	0.215028	0.112567	1.910219
Pgls	ENSMUSG00000031807	3002.42	0.034385	0.116332	0.29558
Sdf4	ENSMUSG00000029076	9221.978	-0.04036	0.089831	-0.44934
Gpr180	ENSMUSG00000022131	1486.038	-0.0645	0.082042	-0.78623
Trim26	ENSMUSG00000024457	930.5907	-0.07135	0.097315	-0.73324
Rsf1	ENSMUSG00000035623	1122.992	0.092615	0.081762	1.132743
Maf1	ENSMUSG00000022553	1758.347	-0.03606	0.099166	-0.36362
Zfp503	ENSMUSG00000039081	304.5811	-0.08398	0.1069	-0.78562
1110032A	ENSMUSG00000037971	583.1407	-0.22534	0.108999	-2.06736
Fbxo25	ENSMUSG00000038365	1020.09	-0.08775	0.065346	-1.34292
Bsdc1	ENSMUSG00000040859	1776.352	0.005957	0.085012	0.070077
4930511M	ENSMUSG00000086607	44.71936	0.164585	0.145795	1.128879
Rragc	ENSMUSG00000028646	2928.677	0.049232	0.122191	0.40291
Timm23	ENSMUSG00000013701	4038.176	0.186329	0.070987	2.624831
Dync2h1	ENSMUSG00000047193	1303.948	-0.02967	0.124809	-0.23769
Washc2	ENSMUSG00000024104	2043.937	0.074201	0.092087	0.805767
Gtf2h2	ENSMUSG00000021639	686.8175	0.086252	0.124652	0.691945
Cnot9	ENSMUSG00000026174	2482.88	-0.18792	0.059115	-3.17884
Cit	ENSMUSG00000029516	964.1595	0.136822	0.134312	1.018684
Sh3bp5l	ENSMUSG00000013646	1195.82	-0.02124	0.064982	-0.32681
B130055M	ENSMUSG00000086502	127.2106	0.095713	0.142833	0.6701
Npdc1	ENSMUSG00000015094	7133.72	0.003394	0.082617	0.041085
Sphkap	ENSMUSG00000026163	9714.2	-0.28819	0.108008	-2.6682
Mindy3	ENSMUSG00000026767	1564.503	-0.00163	0.065513	-0.02491
Mllt3	ENSMUSG00000028496	1213.622	-0.21954	0.093367	-2.3514
Sspn	ENSMUSG00000030255	217.7677	-0.11757	0.141599	-0.83031
Emc7	ENSMUSG00000055943	4544.711	0.053139	0.0774	0.686551
Dbhos	ENSMUSG00000085008	85.86667	-0.07443	0.14538	-0.51199
Enho	ENSMUSG00000028445	2918.495	-0.01505	0.100835	-0.14924
Inpp5e	ENSMUSG00000026925	719.9586	-0.0784	0.108494	-0.72264
Zdhhc7	ENSMUSG00000031823	1425.866	0.04882	0.099485	0.490729
Luc7l	ENSMUSG00000024188	2529.984	-0.04018	0.05769	-0.69641
Smn1	ENSMUSG00000021645	797.0003	0.035173	0.081994	0.42897
Adora2a	ENSMUSG00000020178	305.7336	-0.03655	0.141218	-0.25879
Hibch	ENSMUSG00000041426	536.0762	0.164979	0.101652	1.622987
Ago3	ENSMUSG00000028842	1577.772	0.133729	0.120404	1.110671
Prkacb	ENSMUSG00000005034	3230.461	-0.07643	0.099885	-0.76518
Micu3	ENSMUSG00000039478	1402.443	0.020957	0.090594	0.231325
Lrrc49	ENSMUSG00000047766	808.1668	-0.02962	0.094499	-0.31345
Parp4	ENSMUSG00000054509	821.3854	-0.06248	0.08067	-0.77455
Wdr4	ENSMUSG00000024037	895.6918	0.047274	0.080641	0.586223
Arhgef18	ENSMUSG00000004568	1098.004	0.006895	0.085157	0.080967
Rab37	ENSMUSG00000020732	801.6781	-0.14246	0.13469	-1.05773
Slc39a6	ENSMUSG00000024270	4350.475	-0.01634	0.103916	-0.15724
C2cd5	ENSMUSG00000030279	1893.303	0.046803	0.093215	0.5021
Aph1c	ENSMUSG00000053040	95.86196	0.230912	0.139866	1.650955
Ptbp2	ENSMUSG00000028134	825.7357	-0.14033	0.117529	-1.194

6330403LC	ENSMUSG00000075585	445.3725	-0.16707	0.131947	-1.26617
Srebf2	ENSMUSG00000022463	5176.198	0.136862	0.079438	1.722875
Trmt2a	ENSMUSG00000022721	1558.473	-0.03285	0.061825	-0.53137
Fchsd1	ENSMUSG00000038524	204.1603	0.175379	0.135627	1.293098
Elmo2	ENSMUSG00000017670	2322.476	0.016453	0.061821	0.26614
Klc3	ENSMUSG00000040714	322.7844	0.06335	0.097852	0.647407
Katnal2	ENSMUSG00000025420	293.1564	-0.00933	0.104273	-0.0895
Zfp273	ENSMUSG00000030446	94.18213	-0.06976	0.123261	-0.56599
Ccdc149	ENSMUSG00000045790	418.7291	-0.12576	0.087986	-1.42928
Cyb5d2	ENSMUSG00000057778	245.7721	-0.00117	0.096182	-0.01212
Arhgef12	ENSMUSG00000059495	3594.662	-0.07106	0.082582	-0.8605
Ppm1e	ENSMUSG00000046442	1158.424	-0.21528	0.082088	-2.62258
Syng1	ENSMUSG00000022415	842.0679	0.154642	0.109849	1.407763
Ralgapb	ENSMUSG00000027652	2955.159	-0.06898	0.087831	-0.78536
Zfp579	ENSMUSG00000051550	548.416	-0.01525	0.083266	-0.18309
Sifn9	ENSMUSG00000069793	1971.966	0.116758	0.102099	1.143574
Hagh	ENSMUSG00000024158	3408.258	0.084645	0.094882	0.892109
Ubxn1	ENSMUSG00000071655	3411.111	0.107355	0.091195	1.177202
Galt	ENSMUSG00000036073	447.3254	0.035842	0.107227	0.334264
Lsm10	ENSMUSG00000050188	540.4642	-0.02091	0.111771	-0.18709
Trmt2a	ENSMUSG00000098930	1558.473	-0.03285	0.061825	-0.53137
Lrrtm2	ENSMUSG00000071862	144.6193	-0.11909	0.127583	-0.93342
Zfp655	ENSMUSG00000007812	816.0832	-0.09597	0.093847	-1.02264
Tmem237	ENSMUSG00000038079	1003.49	-0.02375	0.098537	-0.241
Ssc4d	ENSMUSG00000029699	224.8161	0.02634	0.105076	0.250672
Atmin	ENSMUSG00000047388	990.6448	-0.01936	0.098876	-0.19576
Hsd17b4	ENSMUSG00000024507	1593.311	0.038633	0.063558	0.607831
Kifc1	ENSMUSG00000079553	3287.887	-0.02319	0.066832	-0.34703
Yars	ENSMUSG00000028811	4083.419	0.018675	0.123629	0.151059
R3hcc1	ENSMUSG00000034194	773.0563	-0.03404	0.079261	-0.42948
Slc35f6	ENSMUSG00000029175	868.9893	0.041596	0.06917	0.601352
Ivd	ENSMUSG00000027332	4559.221	0.061796	0.110168	0.560929
Fzd5	ENSMUSG00000045005	384.2176	-0.01263	0.091608	-0.1379
Arih2	ENSMUSG00000064145	2036.652	0.021469	0.084158	0.255098
Nectin4	ENSMUSG00000006411	199.2894	0.036142	0.136793	0.264212
Kmt2a	ENSMUSG00000002028	2071.035	0.021629	0.121206	0.178447
Cyb561a3	ENSMUSG00000034445	203.3126	-0.01792	0.102957	-0.17409
Best3	ENSMUSG00000020169	115.4463	0.030243	0.144331	0.209537
Zfp709	ENSMUSG00000056019	62.11042	0.007731	0.145067	0.053289
Irak1	ENSMUSG00000031392	4702.326	-0.09811	0.066406	-1.47736
Apaf1	ENSMUSG00000019979	830.2309	0.017946	0.118672	0.151221
Selenoh	ENSMUSG00000076437	1739.162	0.052795	0.138585	0.38096
Tti2	ENSMUSG00000031577	709.2572	-0.06217	0.069687	-0.89217
Nexmif	ENSMUSG00000046449	232.3774	-0.24657	0.145469	-1.69503
Bicra	ENSMUSG00000070808	432.5505	-0.11722	0.135026	-0.8681
Ypel3	ENSMUSG00000042675	1046.753	-0.11219	0.112923	-0.99354
Gna11	ENSMUSG00000034781	5344.399	-0.09529	0.057567	-1.65526
Epha8	ENSMUSG00000028661	216.1582	0.042598	0.131212	0.324651
Mdm1	ENSMUSG00000020212	2611.405	0.109924	0.099443	1.105394
1500002C1	ENSMUSG00000096221	239.5127	0.13589	0.119253	1.13951
Gemin8	ENSMUSG00000040621	415.3449	-0.00017	0.086571	-0.00196
Camsap2	ENSMUSG00000041570	1823.395	-0.07401	0.086215	-0.85848

Zfp518a	ENSMUSG00000049164	512.0494	-0.18683	0.117299	-1.59275
Lmo4	ENSMUSG00000028266	265.8833	-0.04809	0.145917	-0.32958
Tmem203	ENSMUSG00000078201	387.5948	0.013743	0.108314	0.126878
39873	ENSMUSG00000040502	1467.957	0.00107	0.072947	0.014662
Chrna3	ENSMUSG00000032303	248.973	-0.20041	0.145848	-1.37411
Vhl	ENSMUSG00000033933	1216.959	0.056183	0.065055	0.863631
Zfp418	ENSMUSG00000034538	112.5343	0.029632	0.124322	0.238349
Eid1	ENSMUSG00000091337	5058.524	-0.03859	0.082057	-0.47029
Wdr12	ENSMUSG00000026019	941.802	0.230145	0.09874	2.330817
Bbs9	ENSMUSG00000035919	515.3454	0.096109	0.088847	1.081734
Alox5ap	ENSMUSG00000060063	156.0607	-0.05619	0.142136	-0.39534
Aqr	ENSMUSG00000040383	2472.449	-0.08102	0.080293	-1.009
Med22	ENSMUSG00000015776	2289.927	0.029346	0.059906	0.489862
Abraxas1	ENSMUSG00000035234	356.1565	0.006445	0.098168	0.065656
Zfp319	ENSMUSG00000046556	1093.776	0.012488	0.136692	0.091358
Wbp1	ENSMUSG00000030035	1805.876	-0.04796	0.086962	-0.55149
Lrrc24	ENSMUSG00000033707	2784.223	0.007296	0.077109	0.09462
Endog	ENSMUSG00000015337	503.618	0.019811	0.128971	0.153607
Usp20	ENSMUSG00000026854	1530.12	0.257736	0.068104	3.784464
Bpgm	ENSMUSG00000038871	566.0851	-0.14552	0.099667	-1.46006
Uimc1	ENSMUSG00000025878	1024.328	-0.03189	0.074943	-0.42546
Slc25a30	ENSMUSG00000022003	106.4474	-0.06971	0.144862	-0.48121
Mphosph1	ENSMUSG00000030521	1042.925	-0.03377	0.099935	-0.33795
Bmpr1a	ENSMUSG00000021796	2305.554	0.022148	0.075628	0.29285
Pcsk9	ENSMUSG00000044254	3822.86	0.090236	0.125944	0.716474
Brca2	ENSMUSG00000041147	940.0019	0.076527	0.080353	0.95239
Inf2	ENSMUSG00000037679	354.556	-0.1284	0.091123	-1.40903
Osbpl7	ENSMUSG00000038534	558.2142	-0.02715	0.115337	-0.23542
Ppp4r2	ENSMUSG00000052144	3007.202	-0.01431	0.099358	-0.14399
Cyb5rl	ENSMUSG00000028621	329.9043	-0.09226	0.129114	-0.71453
Hnrnp1	ENSMUSG00000007850	9732.888	0.043704	0.077995	0.560347
Plekham2	ENSMUSG00000028917	973.0372	0.069371	0.070623	0.982278
Mbd1	ENSMUSG00000024561	1136.442	-0.064	0.071278	-0.89796
Rdh13	ENSMUSG00000008435	996.8215	0.011129	0.114637	0.097084
Dcun1d5	ENSMUSG00000032002	1573.271	0.054392	0.074933	0.725874
Sec22b	ENSMUSG00000027879	3215.921	0.073419	0.064662	1.135436
Pdcl3	ENSMUSG00000026078	1153.577	0.056139	0.127683	0.439677
Gpalpp1	ENSMUSG00000022008	940.8286	-0.17573	0.06746	-2.60497
Fbxo11	ENSMUSG00000005371	1895.922	0.047482	0.090637	0.523867
Sgcz	ENSMUSG00000039539	53.98145	-0.02249	0.145391	-0.1547
Zfp397	ENSMUSG00000024276	1129.04	-0.06166	0.119315	-0.51681
Ica1	ENSMUSG000000062995	2658.471	-0.06608	0.071711	-0.92145
Gpr45	ENSMUSG00000041907	277.6252	-0.08	0.119577	-0.66903
Anp32b	ENSMUSG00000028333	6880.028	0.099623	0.080932	1.230937
Surf6	ENSMUSG00000036160	770.344	0.022125	0.064846	0.341188
Ogdhl	ENSMUSG00000021913	4015.479	-0.16678	0.129267	-1.29023
Pcdhb21	ENSMUSG00000044022	107.8648	0.012578	0.145141	0.086658
Pabpc1l2b	ENSMUSG000000084842	319.8515	-0.05648	0.135038	-0.41827
Dnajc24	ENSMUSG00000027166	533.4249	0.010921	0.092526	0.11803
Bspry	ENSMUSG00000028392	284.3178	0.022612	0.132508	0.170643
Tulp4	ENSMUSG00000034377	4393.741	-0.02511	0.111568	-0.2251
Letm1	ENSMUSG00000005299	3204.755	0.16604	0.098644	1.683226

Mettl25	ENSMUSG00000036009	192.8742	-0.08444	0.117406	-0.71923
Dsg2	ENSMUSG00000044393	1385.018	-0.07174	0.108453	-0.66152
Rpl37rt	ENSMUSG00000072692	1245.711	0.08233	0.110357	0.746036
Dync1h1	ENSMUSG00000018707	10847.66	-0.03584	0.082146	-0.43634
Letm2	ENSMUSG00000037363	187.534	0.080785	0.116723	0.692106
Per3	ENSMUSG00000028957	574.4469	-0.16307	0.097609	-1.67064
Tmem169	ENSMUSG00000026188	288.2739	-0.18272	0.109393	-1.67027
1300002E1	ENSMUSG00000097290	464.9115	-0.02397	0.098712	-0.24286
Rangap1	ENSMUSG00000022391	9656.272	0.065504	0.060448	1.083631
Gga1	ENSMUSG00000033128	2449.313	-0.02504	0.077011	-0.32512
Zfp677	ENSMUSG00000062743	215.2611	-0.14532	0.118845	-1.22279
Mrs2	ENSMUSG00000021339	465.8708	0.045643	0.11665	0.391284
Ccdc28a	ENSMUSG00000059554	203.0722	-0.10649	0.101635	-1.0478
Ints11	ENSMUSG00000029034	1738.84	-0.04265	0.078518	-0.54313
Zfp963	ENSMUSG00000092260	312.786	-0.05669	0.093379	-0.60707
Arhgap44	ENSMUSG00000033389	580.5881	-0.02155	0.125937	-0.17109
Mplkip	ENSMUSG00000012429	721.0029	-0.03334	0.081394	-0.40966
Gm15728	ENSMUSG00000086075	118.8871	-0.04637	0.14071	-0.32956
Slc35d2	ENSMUSG00000033114	232.2261	-0.31909	0.108837	-2.93183
Egfl6	ENSMUSG00000000402	150.6779	-0.05512	0.146011	-0.37748
Usp1	ENSMUSG00000028560	3393.188	0.009346	0.08942	0.104515
Inafm1	ENSMUSG00000091811	593.6781	-0.00454	0.129436	-0.0351
Rabggt	ENSMUSG00000040472	950.7859	0.009846	0.079194	0.124324
Trappc3	ENSMUSG00000028847	2080.976	0.004012	0.077521	0.051749
Celf4	ENSMUSG00000024268	2867.378	0.007729	0.083242	0.092844
Pex19	ENSMUSG00000003464	2389.422	0.061623	0.101034	0.609922
Tceanc2	ENSMUSG00000028619	476.9324	0.060449	0.125584	0.481346
Hcn4	ENSMUSG00000032338	1752.823	0.057374	0.120715	0.475284
Kmt2d	ENSMUSG00000048154	1926.272	0.03696	0.133494	0.27687
Gls2	ENSMUSG00000044005	1137.056	-0.06065	0.137722	-0.44037
A130014A	ENSMUSG00000097944	151.3394	-0.07716	0.12392	-0.62268
Dnph1	ENSMUSG00000040658	1353.741	0.022924	0.078969	0.290293
Ctsf	ENSMUSG00000083282	2756.492	-0.15444	0.081955	-1.88441
Wdr20	ENSMUSG00000037957	708.5851	0.014501	0.0766	0.189307
Nhs12	ENSMUSG00000079481	171.5725	-0.09676	0.120719	-0.8015
Adamts4	ENSMUSG00000006403	357.7664	-0.1149	0.10983	-1.04617
Ssx2ip	ENSMUSG00000036825	1906.916	0.01915	0.05601	0.341914
Pcnt	ENSMUSG00000001151	1404.44	-0.00115	0.101262	-0.01135
Spg20	ENSMUSG00000036580	990.757	-0.03592	0.088191	-0.40734
Amigo1	ENSMUSG00000050947	2853.113	0.008018	0.057755	0.138833
Mrpl44	ENSMUSG00000026248	762.0256	-0.12743	0.085106	-1.49734
Cdr2l	ENSMUSG00000050910	1191.657	-0.02092	0.115217	-0.18156
Syde2	ENSMUSG00000036863	140.1031	-0.03072	0.14267	-0.21535
Unc45a	ENSMUSG00000030533	3220.922	0.056396	0.065714	0.858204
Dock5	ENSMUSG00000044447	860.9919	-0.18042	0.111257	-1.62168
P4hb	ENSMUSG00000025130	66521.26	-0.05666	0.118854	-0.47671
Clcn4	ENSMUSG00000000605	3043.356	-0.19366	0.067875	-2.85311
Akap12	ENSMUSG00000038587	379.8264	-0.06525	0.145444	-0.44859
Cog7	ENSMUSG00000034951	2057.064	-0.10163	0.064563	-1.57414
Tspan9	ENSMUSG00000030352	355.4355	-0.02984	0.135881	-0.21957
Rgs12	ENSMUSG00000029101	667.8151	-0.00724	0.097446	-0.07434
8030462N	ENSMUSG00000047466	337.5161	-0.15178	0.129847	-1.16893

B230354K1	ENSMUSG00000097119	758.6336	-0.08957	0.098775	-0.90678
Zfp608	ENSMUSG00000052713	416.363	-0.23206	0.101843	-2.27856
Sema5a	ENSMUSG00000022231	325.6441	-0.23018	0.135866	-1.69417
Gabpa	ENSMUSG00000008976	1620.405	-0.06745	0.118866	-0.56742
Sap30l	ENSMUSG00000020519	440.6496	-0.04134	0.131557	-0.3142
Tmem86a	ENSMUSG00000010307	875.2133	-0.12715	0.139639	-0.91054
Irf2bpl	ENSMUSG00000034168	1184.302	-0.26289	0.099723	-2.63616
C1qa	ENSMUSG00000036887	1912.408	0.33793	0.104652	3.229066
Trim5	ENSMUSG00000060441	195.563	0.011996	0.143652	0.083504
Ccdc130	ENSMUSG00000004994	596.8688	-0.10857	0.10044	-1.08091
Vps13d	ENSMUSG00000020220	1118.092	-0.05817	0.105871	-0.54943
Rnls	ENSMUSG00000071573	134.0216	-0.14251	0.134045	-1.06314
Osbpl5	ENSMUSG00000037606	1872.692	0.103875	0.107009	0.970709
Parp6	ENSMUSG00000025237	3036.409	-0.1918	0.104444	-1.83634
Ssna1	ENSMUSG00000026966	1757.713	0.105476	0.099631	1.058661
Zfp994	ENSMUSG00000096433	659.0539	-0.0558	0.10633	-0.52478
Gm44850	ENSMUSG000000108604	247.7569	-0.19316	0.122964	-1.57086
Camk2b	ENSMUSG00000057897	1536.842	0.000903	0.141629	0.006376
Riox1	ENSMUSG00000046791	237.2197	-0.06776	0.111602	-0.60715
Trp53rka	ENSMUSG00000039725	588.4158	-0.06039	0.078768	-0.76667
Arsb	ENSMUSG00000042082	4931.553	-0.05109	0.077573	-0.65854
Ccnd2	ENSMUSG00000000184	2773.94	-0.05051	0.143209	-0.35272
Wdr3	ENSMUSG00000033285	899.0275	0.11407	0.118872	0.959604
Katnal1	ENSMUSG00000041298	730.3246	-0.08493	0.091263	-0.93062
Cck	ENSMUSG00000032532	100255.4	-0.07112	0.134991	-0.52687
Ggnbp2	ENSMUSG00000020530	2959.703	0.000653	0.063206	0.010326
Mxd3	ENSMUSG00000021485	1755.688	-0.00136	0.089835	-0.01514
Baiap2	ENSMUSG00000025372	1659.213	0.056431	0.095783	0.589159
Gm21092	ENSMUSG00000095403	63.09332	-0.07002	0.143998	-0.48623
App	ENSMUSG00000022892	6086.173	-0.16712	0.13416	-1.2457
Mcoln1	ENSMUSG00000004567	2317.882	-0.02957	0.11707	-0.2526
Cd2ap	ENSMUSG00000061665	2454.926	-0.17755	0.099042	-1.79264
Zfp335	ENSMUSG00000039834	1152.049	-0.10822	0.0993	-1.08988
O610037L1	ENSMUSG00000028608	947.405	0.010759	0.119086	0.090344
Ptk2	ENSMUSG00000022607	1443.74	-0.07514	0.071831	-1.04602
Cebpb	ENSMUSG00000056501	122.7324	-0.04526	0.145839	-0.31035
Eif1ax	ENSMUSG00000067194	3572.142	0.24837	0.11475	2.164441
Mctp2	ENSMUSG00000032776	248.9465	0.018458	0.133035	0.138747
Sdhaf1	ENSMUSG00000074211	749.4272	-0.17422	0.112073	-1.55449
Hyou1	ENSMUSG00000032115	16605.67	0.056049	0.095528	0.586729
Mex3c	ENSMUSG00000037253	1578.813	-0.09745	0.116057	-0.8397
Col16a1	ENSMUSG00000040690	712.6368	-0.00469	0.142714	-0.03283
Polr3b	ENSMUSG00000034453	827.9671	0.116	0.088116	1.316445
Tmem126l	ENSMUSG00000030614	802.0738	0.07333	0.075481	0.971498
Taf15	ENSMUSG00000020680	2276.56	-0.04229	0.094155	-0.4492
Ncoa3	ENSMUSG00000027678	1175.639	-0.15031	0.094826	-1.5851
Ccdc92b	ENSMUSG00000069814	896.2622	-0.00363	0.105467	-0.03446
Mapkapk5	ENSMUSG00000029454	1247.267	-0.06212	0.068113	-0.91204
Coa7	ENSMUSG00000048351	759.0699	0.14381	0.127636	1.126718
D5Ertd579	ENSMUSG00000029190	3081.33	-0.0457	0.054741	-0.83493
Esrra	ENSMUSG00000024955	905.7801	0.24091	0.10531	2.287614
Smarcd2	ENSMUSG00000078619	2567.822	-0.08931	0.086626	-1.03101

Eif4b	ENSMUSG00000058655	8251.899	0.067908	0.111235	0.610485
Zmynd11	ENSMUSG00000021156	3815.322	-0.04356	0.074189	-0.5872
Fam84a	ENSMUSG00000020607	452.5466	-0.11169	0.079773	-1.40012
Slc6a12	ENSMUSG00000030109	238.0727	-0.0844	0.143698	-0.58733
Zfp248	ENSMUSG00000030145	302.2594	-0.09397	0.083754	-1.12197
Tom1l1	ENSMUSG00000020541	681.888	-0.0109	0.117346	-0.09292
Paxip1	ENSMUSG0000002221	4473.082	-0.09409	0.116933	-0.80463
Lin28b	ENSMUSG00000063804	47.17494	-0.00551	0.145519	-0.03786
Bcar1	ENSMUSG00000031955	6169.474	0.084406	0.086516	0.97561
Zfp952	ENSMUSG00000053390	557.8054	0.09202	0.073632	1.249733
Pank4	ENSMUSG00000029056	957.7466	-0.02749	0.082793	-0.33206
Polr3e	ENSMUSG00000030880	622.1485	-0.10876	0.075855	-1.4338
Tango6	ENSMUSG00000041949	372.0237	0.007151	0.111218	0.064294
Sptbn2	ENSMUSG00000067889	1997.174	-0.17144	0.09594	-1.78692
Irf2bp1	ENSMUSG00000044030	2161.098	0.069771	0.082382	0.846923
Ypel5	ENSMUSG00000039770	952.1593	-0.07714	0.10048	-0.76768
Vdac1	ENSMUSG00000020402	9586.765	0.062998	0.076478	0.823739
Trpm4	ENSMUSG00000038260	674.2634	-0.01174	0.127556	-0.09202
Hspa1b	ENSMUSG00000090877	743.5886	0.219445	0.14581	1.50501
Lrrc14	ENSMUSG00000033728	1360.049	-0.03358	0.102878	-0.32644
Slc2a2	ENSMUSG00000027690	1110.068	0.010203	0.11937	0.085475
Ltv1	ENSMUSG00000019814	995.2625	0.074656	0.074867	0.997192
Meox2	ENSMUSG00000036144	3219.634	-0.1005	0.094059	-1.06843
Zfp37	ENSMUSG00000028389	359.3785	-0.0162	0.114795	-0.14115
Osbp2	ENSMUSG00000020435	236.7554	0.098994	0.124527	0.794963
Tubg2	ENSMUSG00000045007	586.5792	-0.19976	0.07915	-2.52377
Dazap2	ENSMUSG00000000346	4246.595	-0.33983	0.076828	-4.42333
Fam189a1	ENSMUSG00000030518	387.2143	-0.03173	0.121339	-0.2615
Brinp2	ENSMUSG00000004031	2136.886	0.111505	0.082735	1.347736
Cd82	ENSMUSG00000027215	1070.62	-0.16319	0.123136	-1.32528
Rsad1	ENSMUSG00000039096	270.0263	-0.11463	0.097472	-1.17605
Gm42047	ENSMUSG00000110631	40446.51	-0.03839	0.064815	-0.59226
Pradc1	ENSMUSG00000030008	705.3069	0.045405	0.097858	0.463993
Ndufa13	ENSMUSG00000036199	3927.081	0.182711	0.100159	1.824211
Pramef8	ENSMUSG00000046862	420.3945	-0.10787	0.096178	-1.12157
Lztr1	ENSMUSG00000022761	3820.047	0.027223	0.068308	0.398536
Slc4a10	ENSMUSG00000026904	893.3348	-0.15899	0.11133	-1.42807
Gatad2b	ENSMUSG00000042390	1849.888	-0.01684	0.100999	-0.16671
AI413582	ENSMUSG00000062753	1145.424	-0.02409	0.126296	-0.19072
37316	ENSMUSG00000073481	1504.436	-0.11785	0.126775	-0.9296
Pcdhb14	ENSMUSG00000044043	698.8793	0.120084	0.132096	0.909072
Opn3	ENSMUSG00000026525	1338.799	-0.48005	0.10738	-4.47059
Pptc7	ENSMUSG00000038582	582.1275	0.006791	0.087912	0.077248
Ubxn7	ENSMUSG00000053774	635.7047	0.053755	0.094866	0.566647
Secisbp2	ENSMUSG00000035139	665.4198	-0.07834	0.079511	-0.98523
Mtdh	ENSMUSG00000022255	2102.616	0.047646	0.068147	0.699171
Zbtb40	ENSMUSG00000060862	966.5387	-0.00039	0.107191	-0.00367
Ampd2	ENSMUSG00000027889	12371.21	0.063373	0.125113	0.506527
Rnaseh2b	ENSMUSG00000021932	1964.934	-0.01352	0.091684	-0.14747
Prmt7	ENSMUSG00000060098	958.6939	0.110407	0.100656	1.096874
Naf1	ENSMUSG00000014907	528.4161	-0.04159	0.140522	-0.29594
Ccdc59	ENSMUSG00000019897	1328.892	0.032367	0.08832	0.366472

Dpm3	ENSMUSG00000042737	1151.875	0.086433	0.117553	0.735274
Znhit2	ENSMUSG00000075227	726.5354	-0.08221	0.11243	-0.73124
Sipa1	ENSMUSG00000056917	710.1129	-0.00522	0.083809	-0.06233
Limd2	ENSMUSG00000040699	943.2221	-0.23781	0.094967	-2.50413
Pklr	ENSMUSG00000041237	226.2608	-0.07584	0.1434	-0.52884
Shisa2	ENSMUSG00000044461	708.5271	-0.31677	0.128897	-2.45753
Ythdf3	ENSMUSG00000047213	2590.671	0.099537	0.106142	0.937775
Dtd2	ENSMUSG00000020956	417.7834	-0.16252	0.115129	-1.41166
Zfp869	ENSMUSG00000054648	760.9886	-0.16756	0.133817	-1.25218
Zfp524	ENSMUSG00000051184	375.8112	-0.07676	0.110907	-0.6921
Prkar2b	ENSMUSG00000002997	2226.382	0.125146	0.106507	1.175011
Ric1	ENSMUSG00000038658	832.7781	-0.23758	0.104848	-2.26593
Prr15l	ENSMUSG00000047040	268.2013	0.132309	0.136681	0.968009
Fra10ac1	ENSMUSG00000054237	481.9528	-0.02133	0.11898	-0.17925
Mlkl	ENSMUSG00000012519	1029.513	0.079035	0.114983	0.687359
Dnal4	ENSMUSG00000022420	740.7298	-0.07915	0.118305	-0.66906
Map4k2	ENSMUSG00000024948	1367.129	-0.02331	0.077775	-0.29965
Fam84b	ENSMUSG00000072568	411.5232	-0.2236	0.140344	-1.5932
Cnbd2	ENSMUSG00000038085	204.8448	-0.11291	0.111481	-1.01281
Rgs7	ENSMUSG00000026527	650.458	-0.05999	0.088193	-0.68027
Ipo13	ENSMUSG00000033365	1512.078	0.03557	0.101979	0.348795
Zfp687	ENSMUSG00000019338	1387.911	0.031768	0.096084	0.330631
Mcm8	ENSMUSG00000027353	996.7376	0.017794	0.106472	0.167127
Foxk2	ENSMUSG00000039275	4150.376	0.036983	0.102884	0.359463
Fhl1	ENSMUSG00000023092	259.9707	0.026485	0.089639	0.295456
Pdyn	ENSMUSG00000027400	53732.99	-0.16979	0.118023	-1.43862
Sirpa	ENSMUSG00000037902	7003.681	0.040875	0.082188	0.497331
Usp48	ENSMUSG00000043411	3506.9	0.039657	0.082689	0.479592
Slc10a7	ENSMUSG00000031684	851.3828	-0.06636	0.145814	-0.4551
Tm9sf1	ENSMUSG00000002320	4778.151	0.014077	0.067175	0.209552
Gm20605	ENSMUSG00000029720	660.1901	-0.13207	0.107465	-1.229
Krtcap3	ENSMUSG00000029149	330.3945	-0.02156	0.093376	-0.23085
Macrod1	ENSMUSG00000036278	313.3617	-0.07438	0.11239	-0.66178
Mirg	ENSMUSG00000097391	83.12071	0.182558	0.138267	1.320329
Rab8a	ENSMUSG00000003037	4038.368	-0.06415	0.114921	-0.55824
Crb1	ENSMUSG00000063681	151.2911	0.16683	0.123698	1.348687
Mettl3	ENSMUSG00000022160	747.6603	0.149818	0.090708	1.651654
Anxa4	ENSMUSG00000029994	3024.955	-0.03853	0.113959	-0.33809
Smg1	ENSMUSG00000030655	2269.213	0.07764	0.12872	0.603168
Asb7	ENSMUSG00000030509	529.2673	0.034848	0.097366	0.357906
Slc12a9	ENSMUSG00000037344	777.886	-0.08867	0.082786	-1.07103
Tec	ENSMUSG00000029217	307.0275	-0.08316	0.11141	-0.74644
Slc30a9	ENSMUSG00000029221	3599.806	-0.00074	0.080498	-0.00923
Med4	ENSMUSG00000022109	861.0344	0.047463	0.086545	0.548417
Gjd2	ENSMUSG00000068615	2798.856	-0.19546	0.113322	-1.72482
Med13l	ENSMUSG00000018076	448.6905	-0.04101	0.127511	-0.32164
Cox19	ENSMUSG00000045438	917.4191	0.103849	0.108279	0.95909
Unc13d	ENSMUSG00000057948	83.92443	0.165252	0.142886	1.15653
Htra2	ENSMUSG00000068329	1042.824	-0.11308	0.086476	-1.3077
Cluh	ENSMUSG00000020741	2424.632	0.128721	0.070796	1.818187
Gm26901	ENSMUSG00000097797	57.74066	0.055641	0.14202	0.391782
Cyp46a1	ENSMUSG00000021259	139.649	-0.07658	0.121888	-0.62829

Taf1a	ENSMUSG00000072258	270.0923	-0.07266	0.106405	-0.68288
Atg14	ENSMUSG00000037526	366.4371	-0.01114	0.109886	-0.10136
Insrr	ENSMUSG00000005640	1953.041	0.044058	0.121362	0.363027
Dele1	ENSMUSG00000024442	2829.188	-0.05954	0.067601	-0.88079
Obsl1	ENSMUSG00000026211	550.4915	-0.05549	0.13557	-0.40934
Bcam	ENSMUSG00000002980	1326.295	-0.25695	0.090438	-2.84118
Grwd1	ENSMUSG00000053801	888.6764	0.14118	0.08475	1.665834
Ermard	ENSMUSG00000036552	1240.566	-0.1449	0.067178	-2.15698
Elmo1	ENSMUSG00000041112	348.581	-0.00718	0.124123	-0.05788
Vps51	ENSMUSG00000024797	2161.021	0.048371	0.112302	0.430725
Nepro	ENSMUSG00000036208	277.0374	-0.01278	0.112618	-0.11346
Zfp956	ENSMUSG00000045466	516.2867	0.05093	0.087396	0.582746
Psen2	ENSMUSG00000010609	877.1152	0.050336	0.10224	0.492338
Sulf2	ENSMUSG00000006800	503.6305	-0.15356	0.129932	-1.18185
Gnpda2	ENSMUSG00000029209	460.1333	-0.20001	0.081928	-2.44132
2310022B	ENSMUSG00000031983	4174.224	-0.04315	0.0751	-0.57453
Ghdc	ENSMUSG00000017747	875.8673	0.126724	0.072561	1.746465
Phkg2	ENSMUSG00000030815	838.8067	0.065283	0.086239	0.757
Phf1	ENSMUSG00000024193	1344.545	0.062659	0.101102	0.619759
Esam	ENSMUSG00000001946	472.7173	0.027122	0.084859	0.319615
Bbs1	ENSMUSG00000006464	946.3972	0.0208	0.074459	0.279353
Rpl18	ENSMUSG00000059070	12606.24	0.134959	0.103471	1.304317
Ddx20	ENSMUSG00000027905	1228.816	0.071951	0.063722	1.129144
Snx7	ENSMUSG00000028007	309.9108	-0.01394	0.105353	-0.13229
Safb	ENSMUSG00000071054	4347.074	0.064456	0.089297	0.721818
Galnt18	ENSMUSG00000038296	373.7531	-0.02364	0.139525	-0.16945
Ulk4	ENSMUSG00000040936	302.2622	0.145364	0.127503	1.140084
Proser3	ENSMUSG00000036864	469.2127	-0.05045	0.102881	-0.4904
Brd4	ENSMUSG00000024002	3109.769	0.083302	0.090194	0.923592
Sh3gl2	ENSMUSG00000028488	1452.294	0.017329	0.108593	0.159576
Tmlhe	ENSMUSG00000079834	88.08129	-0.05112	0.141078	-0.36238
Wwp2	ENSMUSG00000031930	1853.594	0.054379	0.076544	0.71043
Farp2	ENSMUSG00000034066	335.114	-0.01077	0.09906	-0.10872
Timp2	ENSMUSG00000017466	1292.825	0.025453	0.098699	0.257889
Map4k2	ENSMUSG000000106850	1367.129	-0.02331	0.077775	-0.29965
Ksr2	ENSMUSG000000061578	466.7547	-0.02775	0.112123	-0.24753
Grhpr	ENSMUSG00000035637	1504.132	-0.06372	0.117093	-0.54421
Dnmt1	ENSMUSG00000004099	8652.546	0.063147	0.087392	0.722575
Bclaf3	ENSMUSG00000044150	786.668	-0.09151	0.107982	-0.84746
Lmf1	ENSMUSG00000002279	905.2065	0.052487	0.091973	0.570678
N4bp2os	ENSMUSG000000106978	216.37	-0.15116	0.115249	-1.31162
Tex264	ENSMUSG00000040813	2254.271	0.077215	0.11757	0.65676
Gm12258	ENSMUSG00000072915	662.0694	-0.13774	0.092145	-1.49483
H2-Q2	ENSMUSG000000091705	2064.98	-0.14506	0.074396	-1.94978
Ankrd11	ENSMUSG00000035569	2974.559	-0.01254	0.090989	-0.13785
C330018D	ENSMUSG00000024592	372.1617	-0.14618	0.112506	-1.29928
Mrps25	ENSMUSG00000014551	792.6292	0.139374	0.101619	1.37153
Zfp141	ENSMUSG000000092416	149.1739	-0.2013	0.123282	-1.63283
Ptprf	ENSMUSG00000033295	10495.07	-0.01379	0.10175	-0.13557
Pttg1ip	ENSMUSG00000009291	3075.035	0.115131	0.058381	1.972059
Zfp983	ENSMUSG00000035868	241.6084	-0.0853	0.112285	-0.75972
Fam217b	ENSMUSG00000070476	366.1159	-0.01981	0.110037	-0.18003

Shisal1	ENSMUSG00000062760	2743.886	0.022064	0.081974	0.269153
Arfgap1	ENSMUSG00000027575	2883.427	0.011648	0.073877	0.157664
Pqlc1	ENSMUSG00000034006	770.3317	0.066222	0.100033	0.662005
Rgl1	ENSMUSG00000026482	1377.874	0.003584	0.097761	0.036664
Pigw	ENSMUSG00000045140	331.2861	-0.04598	0.103639	-0.44361
Gm12397	ENSMUSG00000081309	512.5582	0.143258	0.145941	0.981613
Chm	ENSMUSG00000025531	872.337	-0.00565	0.131149	-0.04311
Mcf2l	ENSMUSG00000031442	4286.565	0.074706	0.072003	1.037534
Al606181	ENSMUSG00000074873	377.0085	0.05991	0.109726	0.545995
Zbtb45	ENSMUSG00000049600	1069.338	-0.06742	0.065304	-1.03243
Efhd2	ENSMUSG00000040659	1043.028	-0.01513	0.085248	-0.17745
Thbs1	ENSMUSG00000040152	50.19289	0.014424	0.145126	0.099392
Cdkn2b	ENSMUSG00000073802	632.0028	-0.03235	0.086779	-0.37278
Lrp5	ENSMUSG00000024913	608.6629	-0.1039	0.112699	-0.92196
Pramef8	ENSMUSG00000097778	420.3945	-0.10787	0.096178	-1.12157
Sigirr	ENSMUSG00000025494	307.182	-0.00999	0.11029	-0.09056
Vstm2l	ENSMUSG00000037843	4957.64	-0.01478	0.125828	-0.11747
Unc5b	ENSMUSG00000020099	414.1875	-0.14434	0.13975	-1.03285
Zfp324	ENSMUSG00000004500	710.6997	-0.03127	0.095515	-0.32733
Map9	ENSMUSG00000033900	1646.308	0.06776	0.101553	0.667236
Hacd1	ENSMUSG00000063275	441.6767	-0.04013	0.142124	-0.28234
Ap5b1	ENSMUSG00000049562	340.652	-0.12566	0.09242	-1.35964
Serp2	ENSMUSG00000052584	536.9302	0.049156	0.14296	0.343844
Dnajc10	ENSMUSG00000027006	7625.76	-0.02414	0.103753	-0.23267
Mtfmt	ENSMUSG00000059183	452.2482	-0.00347	0.088873	-0.03901
Sptlc2	ENSMUSG00000021036	1776.119	-0.02668	0.086986	-0.30668
Uba52	ENSMUSG00000090137	5058.553	0.052304	0.137272	0.381023
Sun2	ENSMUSG00000042524	1534.793	-0.16134	0.115309	-1.39921
Trp53inp1	ENSMUSG00000028211	933.2801	-0.30544	0.135218	-2.25885
Cabin1	ENSMUSG00000020196	2192.325	-0.05449	0.085985	-0.63374
Sox11	ENSMUSG00000063632	559.8108	-0.24965	0.145867	-1.7115
Ift43	ENSMUSG00000007867	136.5574	-0.06307	0.131928	-0.47804
Tufm	ENSMUSG00000073838	2965.324	0.172287	0.075609	2.27865
Phf20l1	ENSMUSG00000072501	2186.456	-0.06418	0.107707	-0.59589
Gm38431	ENSMUSG00000111497	287.1901	-0.06779	0.123934	-0.54701
C330007P	ENSMUSG00000006423	1338.585	0.000544	0.09591	0.005672
Zfp809	ENSMUSG00000057982	430.4782	0.016384	0.088152	0.18586
Fzd1	ENSMUSG00000044674	250.8401	-0.15624	0.120141	-1.3005
Anapc16	ENSMUSG00000020107	1775.633	-0.10687	0.087668	-1.21897
Mios	ENSMUSG00000042447	574.5245	-0.0752	0.079274	-0.94855
Ptprm	ENSMUSG00000033278	454.596	-0.03402	0.091658	-0.37122
Dhrs7b	ENSMUSG00000042569	987.7668	-0.02112	0.112385	-0.18794
Sbno2	ENSMUSG00000035673	639.5228	-0.21957	0.07126	-3.08119
Sox4	ENSMUSG00000076431	935.563	-0.22444	0.098242	-2.28457
Nfkb1	ENSMUSG00000028163	1255.058	0.017068	0.080635	0.211673
Rnaset2a	ENSMUSG00000095687	900.9789	-0.07621	0.141951	-0.53689
Eogt	ENSMUSG00000035245	686.1592	-0.12857	0.11777	-1.09169
Palb2	ENSMUSG00000044702	264.6342	0.108996	0.112881	0.965587
Kptn	ENSMUSG00000006021	688.74	0.024796	0.1132	0.219045
Ankrd45	ENSMUSG00000044835	218.0782	-0.02918	0.122187	-0.2388
Fam210b	ENSMUSG00000027495	2721.163	-0.36019	0.136944	-2.63017
Dctn3	ENSMUSG00000028447	3230.698	-0.01948	0.096015	-0.2029

Atg2b	ENSMUSG00000041341	1638.938	-0.06059	0.126754	-0.47799
Gm10557	ENSMUSG00000073647	53.90028	-0.10546	0.143338	-0.73573
Ahcy	ENSMUSG00000027597	5139.269	0.129404	0.071439	1.811387
Parp16	ENSMUSG00000032392	100.7379	-0.15175	0.144562	-1.04974
Jph4	ENSMUSG00000022208	128.6059	0.07817	0.144558	0.540754
Tbc1d10a	ENSMUSG00000034412	675.935	0.129886	0.081817	1.587515
Foxd2os	ENSMUSG00000085399	812.1879	0.053267	0.09171	0.580823
Haghl	ENSMUSG00000061046	664.6724	0.048455	0.14571	0.332542
Hikeshi	ENSMUSG00000062797	992.3289	0.054462	0.125133	0.435233
Lyve1	ENSMUSG00000030787	193.4287	-0.08117	0.132522	-0.61248
Irf2	ENSMUSG00000031627	846.9222	-0.16488	0.099085	-1.66403
Snhg14	ENSMUSG000000100826	388.5712	0.219085	0.134254	1.631873
Smc1a	ENSMUSG00000041133	5740.1	-0.04186	0.052828	-0.79238
Diaph2	ENSMUSG00000034480	241.1002	-0.01095	0.1127	-0.09713
Hnrnpm	ENSMUSG00000059208	6537.179	0.06976	0.06909	1.009695
Ift46	ENSMUSG00000002031	1590.224	0.044344	0.090081	0.492268
Mal2	ENSMUSG00000024479	165.7172	-0.18187	0.146011	-1.24558
Ppp5c	ENSMUSG00000003099	3324.477	0.021087	0.080132	0.263149
Mapk8ip1	ENSMUSG00000027223	7244.986	0.084374	0.068932	1.224012
Ss18	ENSMUSG00000037013	2072.634	-0.05681	0.05781	-0.98266
2310057M	ENSMUSG00000040177	893.0484	-0.02894	0.112669	-0.25685
Bscl2	ENSMUSG00000071657	3689.63	0.079049	0.090009	0.878241
Abhd17a	ENSMUSG00000003346	2191.278	0.060392	0.113278	0.533135
Ccng2	ENSMUSG00000029385	710.753	-0.03825	0.137956	-0.27724
Mlec	ENSMUSG00000048578	16646.31	0.049135	0.077904	0.630705
Mir670hg	ENSMUSG00000075020	254.6265	-0.22955	0.144788	-1.58543
Ndrp1	ENSMUSG00000005125	4915.448	-0.03765	0.119606	-0.31481
Aars	ENSMUSG00000031960	14126.02	0.039848	0.139094	0.286486
Gopc	ENSMUSG00000019861	1816.046	-0.10992	0.068147	-1.613
Slc6a8	ENSMUSG00000019558	976.5709	-0.1562	0.10829	-1.44238
Bicc1	ENSMUSG00000014329	123.9654	-0.16987	0.127991	-1.32717
Prex1	ENSMUSG00000039621	590.0443	-0.09863	0.144309	-0.68345
Pcdh1	ENSMUSG00000051375	1098.042	0.106231	0.075014	1.416139
Pi4k2a	ENSMUSG00000025178	1860.884	0.041372	0.073116	0.565831
Rrp8	ENSMUSG00000030888	788.5163	-0.12069	0.072802	-1.65777
H2-Q7	ENSMUSG00000060550	1395.963	-0.09441	0.145816	-0.64743
Gm2762	ENSMUSG000000107008	1264.479	-0.08589	0.127515	-0.67354
Rab30	ENSMUSG00000030643	133.7136	-0.07931	0.144581	-0.54858
Rpl22l1	ENSMUSG00000039221	2462.536	0.047068	0.113878	0.413324
Gm26559	ENSMUSG00000097027	135.4325	0.040453	0.137445	0.294322
Ncbp3	ENSMUSG00000020783	1476.668	0.018381	0.058146	0.316117
Etv1	ENSMUSG00000004151	7001.823	0.043962	0.111636	0.393802
Clstn2	ENSMUSG00000032452	200.1267	-0.06318	0.129314	-0.48858
Dgkg	ENSMUSG00000022861	423.4906	0.071064	0.145556	0.488221
Cwc27	ENSMUSG00000021715	518.2237	0.151712	0.110593	1.371801
Acvr1c	ENSMUSG00000026834	1015.122	0.017137	0.135812	0.126182
Optn	ENSMUSG00000026672	1023.404	0.064549	0.079645	0.810458
B3gat3	ENSMUSG00000071649	1499.123	0.04659	0.094538	0.492816
Znrd1	ENSMUSG00000036315	624.0291	0.00248	0.099546	0.024916
Fam13a	ENSMUSG00000037709	81.39252	0.029926	0.141137	0.212035
Wrnip1	ENSMUSG00000021400	2603.626	0.037151	0.069606	0.533734
Rom1	ENSMUSG00000071648	1283.099	-0.02439	0.085548	-0.28515

Ttf2	ENSMUSG00000033222	471.9354	-0.08047	0.09233	-0.87159
Calhm2	ENSMUSG00000033033	90.52297	-0.05307	0.128515	-0.41299
Usp32	ENSMUSG00000000804	1333.308	0.061395	0.131267	0.467708
Atrnl1	ENSMUSG000000054843	1177.428	-0.09352	0.098897	-0.94568
Lrpap1	ENSMUSG000000029103	4231.959	0.114096	0.116396	0.980238
Tnip1	ENSMUSG000000020400	1503.748	0.050943	0.111743	0.455897
Phka2	ENSMUSG000000031295	665.1537	-0.01975	0.076357	-0.25863
Litaf	ENSMUSG000000022500	697.9832	0.003097	0.138335	0.022387
Ndufs1	ENSMUSG000000025968	3722.394	0.164468	0.085345	1.927094
Ptms	ENSMUSG000000030122	14338.97	-0.04297	0.082726	-0.51947
Psd	ENSMUSG000000037126	4029.333	-0.01898	0.080021	-0.23715
Syt1	ENSMUSG000000035864	489.7333	-0.13898	0.116477	-1.19321
Efhc1	ENSMUSG000000041809	73.05275	-0.08595	0.14137	-0.60795
Ikzf4	ENSMUSG000000002578	216.9078	-0.23775	0.140702	-1.68974
Hmg20a	ENSMUSG000000032329	1481.806	-0.03451	0.06855	-0.50345
5730409EC	ENSMUSG000000073755	380.4403	0.070839	0.144462	0.490365
Ik	ENSMUSG000000024474	3974.019	0.098059	0.052616	1.863692
Sp3	ENSMUSG000000027109	1899.173	-0.02747	0.118581	-0.23163
Pheta1	ENSMUSG000000044134	485.5463	0.163161	0.143561	1.136526
Oxld1	ENSMUSG000000039670	180.0328	-0.06652	0.1317	-0.50505
Rap1gap	ENSMUSG000000041351	1473.711	0.146897	0.110604	1.328136
Rrp15	ENSMUSG000000001305	420.4185	-0.0315	0.096472	-0.3265
Znrf1	ENSMUSG000000033545	1861.438	0.019843	0.105579	0.187946
Ppp1r35	ENSMUSG000000029725	521.0828	0.171763	0.109365	1.570554
Eml4	ENSMUSG000000032624	881.3946	-0.12077	0.079361	-1.52175
Plec	ENSMUSG000000022565	1701.263	0.139234	0.079812	1.744531
Ccp110	ENSMUSG000000033904	1641.27	-0.32451	0.088704	-3.65828
AC149090.	ENSMUSG000000095041	9332.564	-0.05148	0.079313	-0.64911
Nudt13	ENSMUSG000000021809	265.0776	0.106449	0.095281	1.117208
Mtor	ENSMUSG000000028991	953.6667	0.144115	0.112025	1.286452
Ajm1	ENSMUSG000000029419	434.5008	0.056005	0.122526	0.457088
Gfpt1	ENSMUSG000000029992	9527.309	0.107795	0.099396	1.084509
Il17d	ENSMUSG000000050222	133.1957	-0.03441	0.132099	-0.2605
Arl6ip1	ENSMUSG000000030654	12321	-0.00228	0.064303	-0.03546
27000970i	ENSMUSG000000062198	429.3493	0.06294	0.122259	0.514808
Sap30bp	ENSMUSG000000020755	1298.546	0.11004	0.099816	1.102428
Car10	ENSMUSG000000056158	2127.716	-0.11967	0.137285	-0.87172
Actr5	ENSMUSG000000037761	507.4478	-0.03573	0.089955	-0.39716
Ptdss2	ENSMUSG000000025495	704.6875	0.138399	0.080641	1.716232
U2af1	ENSMUSG000000061613	2734.934	0.060137	0.099918	0.601864
Heatr5a	ENSMUSG000000035181	987.2018	-0.01437	0.106372	-0.13508
Srgap1	ENSMUSG000000020121	176.2021	-0.08755	0.109628	-0.79859
Kiz	ENSMUSG000000074749	973.4864	0.027605	0.104214	0.264889
Gkap1	ENSMUSG000000021552	732.0209	-0.07278	0.078367	-0.92866
Mmaa	ENSMUSG000000037022	343.0662	-0.06495	0.124218	-0.52283
Dhrs7	ENSMUSG000000021094	1094.876	-0.0261	0.143183	-0.18231
Lrrc28	ENSMUSG000000030556	315.2206	-0.17228	0.108971	-1.58093
Leng8	ENSMUSG000000035545	2873.232	-0.08537	0.098506	-0.86666
Frg1	ENSMUSG000000031590	1486.165	0.100795	0.081033	1.243872
Cldn12	ENSMUSG000000046798	1203.287	0.003126	0.099899	0.031293
Dnajc1	ENSMUSG000000026740	906.4368	-0.01067	0.112229	-0.09511
Miga1	ENSMUSG000000054942	2039.561	0.070904	0.090593	0.782667

2310011J0	ENSMUSG00000020133	1115.389	0.050717	0.115391	0.439523
Gm12500	ENSMUSG00000056411	187.9263	-0.05519	0.142302	-0.38785
Rad52	ENSMUSG00000030166	348.47	-0.03051	0.083251	-0.36646
Prkci	ENSMUSG00000037643	1195.298	0.0644	0.089796	0.717178
Ephx4	ENSMUSG00000033805	430.8817	0.115907	0.13589	0.852953
Dio1	ENSMUSG00000034785	1566.484	0.019121	0.125251	0.152661
Lyar	ENSMUSG00000067367	1026.652	0.059659	0.07706	0.774189
Zbtb14	ENSMUSG00000049672	1261.736	-0.04124	0.099666	-0.4138
Rplp2	ENSMUSG00000025508	7996.497	0.12921	0.10831	1.192974
Rflna	ENSMUSG00000037962	3686.628	-0.05752	0.142503	-0.40367
Tmed6	ENSMUSG00000031919	149.2356	-0.23521	0.120193	-1.95695
Tmem170k	ENSMUSG00000087370	797.7875	-0.15554	0.112739	-1.37961
Fxyd2	ENSMUSG00000059412	261.1862	-0.11469	0.113728	-1.00844
Fam221a	ENSMUSG00000047115	494.6323	0.031529	0.099082	0.318208
Gosr2	ENSMUSG00000020946	5211.864	-0.02603	0.057564	-0.45212
Cnot10	ENSMUSG00000056167	2326.357	0.030506	0.053849	0.566512
Plxnd1	ENSMUSG00000030123	144.3403	0.299935	0.141463	2.120244
H3f3b	ENSMUSG00000016559	13773.63	-0.13217	0.133377	-0.99097
Tsr3	ENSMUSG00000015126	834.9505	0.081593	0.083984	0.971529
Tmtc3	ENSMUSG00000036676	2894.007	0.125171	0.103291	1.211834
Golim4	ENSMUSG00000034109	2417.814	-0.09135	0.091329	-1.00022
Cep78	ENSMUSG00000041491	772.6619	-0.15154	0.078814	-1.92275
Anks4b	ENSMUSG00000030909	309.6194	-0.04643	0.11729	-0.39585
Kctd17	ENSMUSG00000033287	1288.251	-0.10442	0.066009	-1.58199
Tmem160	ENSMUSG00000019158	570.5547	0.081476	0.104255	0.781503
Ddx28	ENSMUSG00000045538	616.7513	0.015003	0.10669	0.14062
Bdnf	ENSMUSG00000048482	164.7232	-0.2571	0.126939	-2.02539
Uchl5	ENSMUSG00000018189	2103.814	0.189791	0.085761	2.213026
Dnttip1	ENSMUSG00000017299	1052.128	0.087515	0.070366	1.243717
Cdv3	ENSMUSG00000032803	4877.59	-0.03092	0.087295	-0.35425
Ntn1	ENSMUSG00000020902	173.3824	0.020344	0.145939	0.139403
Dido1	ENSMUSG00000038914	1721.189	-0.04286	0.106413	-0.40276
Sema4a	ENSMUSG00000028064	846.0008	-0.19948	0.145942	-1.36687
Poglut1	ENSMUSG00000034064	1607.604	-0.01019	0.074642	-0.13652
Tfeb	ENSMUSG00000023990	466.5892	-0.01303	0.095776	-0.13602
Kcnj11	ENSMUSG000000096146	4271.486	-0.10756	0.078263	-1.3743
Gstm4	ENSMUSG00000027890	427.8895	-0.04818	0.133553	-0.36075
Ldlrad3	ENSMUSG00000048058	1514.365	-0.11766	0.142093	-0.82806
Rad51d	ENSMUSG00000018841	667.0104	-0.0404	0.094649	-0.42687
Nudt2	ENSMUSG00000028443	432.9346	-0.0351	0.10015	-0.35044
Phf3	ENSMUSG00000048874	2528.181	-0.09062	0.111141	-0.81539
Brwd3	ENSMUSG000000063663	354.1621	-0.23846	0.114326	-2.08578
Glul	ENSMUSG00000026473	3505.079	-0.03569	0.117182	-0.30457
Rcc2	ENSMUSG00000040945	4100.451	-0.05573	0.120706	-0.46169
Celf1	ENSMUSG000000110883	2228.645	0.060234	0.08025	0.750574
Tut1	ENSMUSG000000071645	803.5573	-0.07595	0.088835	-0.8549
Mycbp2	ENSMUSG00000033004	2651.516	0.024233	0.083748	0.289354
Zfp106	ENSMUSG000000027288	4686.152	0.134394	0.118459	1.134518
Cbfb	ENSMUSG000000031885	3748.29	-0.03665	0.095818	-0.38245
Fbxl5	ENSMUSG00000039753	1196.41	-0.09096	0.087496	-1.03954
Celf1	ENSMUSG000000005506	2228.645	0.060234	0.08025	0.750572
Ranbp10	ENSMUSG00000037415	1378.719	-0.00617	0.115421	-0.05346

Hip1r	ENSMUSG00000000915	7877.105	0.148167	0.091285	1.623127
Polr1b	ENSMUSG000000027395	526.3562	0.053849	0.103319	0.521194
Adarb2	ENSMUSG000000052551	208.4627	0.1161	0.145602	0.797377
Tomm40	ENSMUSG00000002984	2179.448	0.098298	0.095639	1.027796
Adra2a	ENSMUSG000000033717	4185.15	-0.12824	0.076255	-1.68172
Klhl15	ENSMUSG000000043929	499.0679	-0.12157	0.116596	-1.04264
Gm2a	ENSMUSG00000000594	1839.796	-0.00712	0.06485	-0.10976
Mfap1b	ENSMUSG000000048222	1844.376	0.068517	0.055763	1.228705
B3galnt2	ENSMUSG000000039242	551.8646	-0.13245	0.120172	-1.10215
Slc35b3	ENSMUSG000000021432	386.3449	0.010633	0.103458	0.102773
Pcdha12	ENSMUSG000000103310	348.3201	0.035892	0.120159	0.298704
Fam120a	ENSMUSG000000097059	1089.669	-0.01297	0.110249	-0.11761
Rnf115	ENSMUSG000000028098	2302.959	0.007772	0.059076	0.131558
Enc1	ENSMUSG000000041773	1702.583	-0.16682	0.106338	-1.56877
Ankrd13b	ENSMUSG000000037907	436.2954	-0.15513	0.134613	-1.1524
Rrp36	ENSMUSG000000023971	486.7479	0.035644	0.094135	0.378651
Tnpo3	ENSMUSG000000012535	3209.88	0.112249	0.056409	1.989907
Mktn1	ENSMUSG000000029922	2898.677	0.039856	0.074792	0.532887
Iglon5	ENSMUSG000000013367	175.5639	-0.21677	0.140541	-1.54239
Spata2l	ENSMUSG000000033594	216.5768	-0.03016	0.101097	-0.29836
Cd200	ENSMUSG000000022661	82.7913	0.091558	0.140228	0.652918
Actn4	ENSMUSG000000054808	15884.15	0.088404	0.077216	1.144888
Paqr9	ENSMUSG000000064225	1052.453	-0.29165	0.103482	-2.81836
Epb41	ENSMUSG000000028906	3137.31	-0.10506	0.122955	-0.85447
Traf4	ENSMUSG000000017386	750.5439	-0.05774	0.096321	-0.59944
Ddx31	ENSMUSG000000026806	2280.022	0.160317	0.145284	1.103467
Sema3c	ENSMUSG000000028780	369.6521	-0.15653	0.117569	-1.33141
Fggy	ENSMUSG000000028573	197.5773	0.078899	0.128327	0.61483
Dcun1d1	ENSMUSG000000027708	939.4057	0.080773	0.114848	0.703304
Dcxr	ENSMUSG000000039450	237.7809	-0.04775	0.14082	-0.33908
Coq5	ENSMUSG000000041733	982.9593	0.179845	0.073626	2.442689
Bnip3	ENSMUSG000000078566	13122.05	-0.02466	0.104336	-0.23639
St18	ENSMUSG000000033740	3607.026	-0.06482	0.129264	-0.50148
Patj	ENSMUSG000000061859	1675.378	0.07156	0.081588	0.877087
Heca	ENSMUSG000000039879	450.6765	-0.15892	0.145558	-1.09181
Atp2b1	ENSMUSG000000019943	4329.603	0.011734	0.093594	0.12537
Fam69b	ENSMUSG000000036186	767.1613	0.066258	0.114451	0.578923
Rpp40	ENSMUSG000000021418	244.3243	0.199742	0.132174	1.511205
Gna13	ENSMUSG000000020611	2288.329	0.002662	0.090624	0.029377
Sephs2	ENSMUSG000000049091	2680.31	-0.02757	0.108158	-0.2549
Slc22a17	ENSMUSG000000022199	1477.383	-0.19157	0.100788	-1.90075
Cbarp	ENSMUSG000000035640	1245.543	0.027254	0.126836	0.214877
Zfp46	ENSMUSG000000051351	440.0983	-0.08986	0.113044	-0.7949
Amer3	ENSMUSG000000045174	133.4568	-0.11432	0.115592	-0.98899
Mfsd14b	ENSMUSG000000038212	1736.464	-0.05671	0.091347	-0.62084
Upk3a	ENSMUSG000000022435	2530.934	0.09315	0.138204	0.674005
Git2	ENSMUSG000000041890	1257.12	-0.15553	0.106295	-1.46318
Pex6	ENSMUSG000000002763	1726.54	0.053178	0.099452	0.53471
Ctnnb1	ENSMUSG000000006932	13679.61	-0.01228	0.059791	-0.20532
Gpr108	ENSMUSG000000005823	2055.933	-0.11579	0.094967	-1.21924
Plpp6	ENSMUSG000000040105	1451.74	-0.13348	0.061292	-2.17785
Gstm1	ENSMUSG000000058135	1808.007	0.052438	0.13418	0.390806

Rnd2	ENSMUSG00000001313	204.9234	0.090922	0.129158	0.703957
Sirt3	ENSMUSG000000025486	682.5801	0.018591	0.091352	0.203505
Faap20	ENSMUSG000000073684	946.728	-0.05384	0.093851	-0.57366
Otud7a	ENSMUSG000000033510	464.7644	-0.12344	0.139086	-0.88748
Plod2	ENSMUSG000000032374	2218.779	-0.10745	0.137223	-0.78307
Fndc10	ENSMUSG000000074738	1005.703	-0.08667	0.090364	-0.9591
Zfp874b	ENSMUSG000000059839	89.35598	0.030683	0.134114	0.228786
Tubgcp2	ENSMUSG000000025474	2377.356	0.01345	0.082114	0.163799
Atcay	ENSMUSG000000034958	1591.032	0.039393	0.063304	0.622283
Ppp1r18	ENSMUSG000000034595	154.759	-0.12118	0.131343	-0.92261
Acot11	ENSMUSG000000034853	513.7986	-0.20986	0.108749	-1.92978
Ncor2	ENSMUSG000000029478	4224.087	0.079555	0.119169	0.667583
Plscr3	ENSMUSG000000019461	646.3281	-0.08937	0.137817	-0.64848
Rad51	ENSMUSG000000027323	2686.429	0.147898	0.085242	1.735046
Wdr6	ENSMUSG000000066357	10985.31	0.049351	0.131178	0.376215
Pik3c2g	ENSMUSG000000030228	235.6886	0.063833	0.108622	0.587668
2010315B	ENSMUSG000000074829	241.5713	-0.01002	0.114725	-0.08737
Eef1e1	ENSMUSG000000001707	551.4965	0.045251	0.102747	0.440408
Vav2	ENSMUSG000000009621	1040.548	-0.00178	0.100926	-0.01763
0610010K1	ENSMUSG000000020831	867.561	0.072334	0.131077	0.551844
Chrm4	ENSMUSG000000040495	192.0984	-0.04492	0.108659	-0.41337
Nectin1	ENSMUSG000000032012	1891.279	0.006385	0.083354	0.076603
Zrsr2	ENSMUSG000000031370	1461.901	-0.0567	0.067277	-0.84286
Tcof1	ENSMUSG000000024613	1267.875	0.06898	0.079874	0.863606
Galnt12	ENSMUSG000000039774	346.7235	-0.04377	0.091786	-0.47682
Ret	ENSMUSG000000030110	3447.602	-0.07828	0.141749	-0.55221
Lamtor5	ENSMUSG000000087260	1885.261	0.021782	0.099007	0.220008
Smad9	ENSMUSG000000027796	664.1492	0.138299	0.145685	0.9493
Ofd1	ENSMUSG000000040586	781.7135	-0.13369	0.087961	-1.51988
Adck5	ENSMUSG000000022550	871.5743	0.078967	0.103821	0.760608
Hspb8	ENSMUSG000000041548	480.1161	0.090827	0.126897	0.71575
Rnf217	ENSMUSG000000063760	691.186	-0.11786	0.139391	-0.84555
Cdh3	ENSMUSG000000061048	102.2823	0.105198	0.125343	0.83928
Emc10	ENSMUSG000000008140	5994.232	-0.02163	0.075823	-0.28529
Fip1l1	ENSMUSG000000029227	3991.164	0.080994	0.082742	0.978881
2010315B	ENSMUSG000000098810	241.5713	-0.01002	0.114725	-0.08737
Abhd15	ENSMUSG000000000686	834.5218	0.004295	0.143333	0.029962
Pcdhac1	ENSMUSG000000103255	75.3797	0.002305	0.144364	0.015965
Sgcb	ENSMUSG000000029156	1426.79	-0.09875	0.064476	-1.53155
Gm7336	ENSMUSG000000078636	1255.48	0.000756	0.135316	0.005589
Bola3	ENSMUSG000000045160	975.5294	-0.04957	0.11244	-0.44086
Kif2a	ENSMUSG000000021693	1874.971	0.079868	0.089142	0.895957
Gemin5	ENSMUSG000000037275	853.0485	-0.11204	0.079239	-1.41395
Basp1	ENSMUSG000000045763	1724.569	-0.0342	0.135494	-0.25244
Gm47204	ENSMUSG000000110980	223.5445	-0.04788	0.102902	-0.4653
Ercc2	ENSMUSG000000030400	934.7053	0.043103	0.093426	0.461363
Negr1	ENSMUSG000000040037	510.3947	0.0269	0.129324	0.208003
Cry1	ENSMUSG000000020038	785.5873	-0.08904	0.112566	-0.79096
Fam149b	ENSMUSG000000039599	1180.302	-0.06427	0.094168	-0.68246
Ubl3	ENSMUSG000000001687	8451.243	-0.06007	0.089033	-0.67468
Uba2	ENSMUSG000000052997	4201.351	-0.00739	0.053146	-0.13912
1700047I1	ENSMUSG000000094103	393.3095	0.064984	0.12145	0.535073

Ccdc71l	ENSMUSG00000090946	180.876	-0.20328	0.102934	-1.97485
Zpr1	ENSMUSG00000032078	1323.017	0.099725	0.098227	1.015248
Mif4gd	ENSMUSG00000020743	832.3963	-0.10654	0.103467	-1.02967
Taf5l	ENSMUSG00000038697	930.7962	-0.09112	0.084917	-1.073
Foxd2	ENSMUSG00000055210	210.8476	-0.08824	0.135779	-0.6499
Jph1	ENSMUSG00000042686	157.4086	-0.08484	0.12505	-0.67845
Dtnbos	ENSMUSG00000092286	115.5466	-0.1798	0.145835	-1.23289
Zmym6	ENSMUSG00000042408	966.5136	-0.20186	0.141731	-1.42427
2200002J2	ENSMUSG00000013083	451.9103	0.216441	0.125338	1.726864
1810014Bc	ENSMUSG00000097412	143.9017	-0.11646	0.109836	-1.06034
Rffl	ENSMUSG00000020696	135.8358	0.088922	0.123646	0.719163
Zfp219	ENSMUSG00000049295	1450.752	0.026672	0.077525	0.344037
Slc35a4	ENSMUSG00000033272	2910.062	-0.01664	0.052456	-0.31731
Mrm2	ENSMUSG00000029557	283.0968	0.084467	0.115451	0.731621
Rilpl1	ENSMUSG00000029392	439.7579	0.033101	0.103141	0.320931
Platr25	ENSMUSG00000074863	291.3035	-0.00067	0.11898	-0.00561
Sec22c	ENSMUSG00000061536	1211.949	0.058674	0.097715	0.600459
Nudt9	ENSMUSG00000029310	534.112	-0.13978	0.099243	-1.40844
Xrn1	ENSMUSG00000032410	1147.502	-0.09923	0.103555	-0.95828
Syng2	ENSMUSG00000048277	1884.359	-0.20527	0.089052	-2.3051
Setdb2	ENSMUSG00000071350	317.0948	-0.0952	0.115911	-0.82128
Lactb2	ENSMUSG00000025937	1401.767	0.004562	0.122234	0.037321
Pygb	ENSMUSG00000033059	657.6762	0.190718	0.100548	1.896789
Zfp772	ENSMUSG00000066838	269.0393	0.021032	0.08819	0.238483
Rab36	ENSMUSG00000020175	735.8466	-0.16578	0.084338	-1.96565
Chd2	ENSMUSG00000078671	1445.706	0.050077	0.120907	0.414175
Agap3	ENSMUSG00000023353	3356.194	0.046412	0.096903	0.47895
H2afj	ENSMUSG00000060032	998.8264	-0.05541	0.142096	-0.38996
Rad23a	ENSMUSG00000003813	4579.453	-0.03952	0.083593	-0.47273
Syce2	ENSMUSG00000003824	3078.369	0.103819	0.106764	0.972409
Tmod1	ENSMUSG00000028328	537.3391	-0.11829	0.140927	-0.83939
Col27a1	ENSMUSG00000045672	3992.623	-0.00482	0.104204	-0.04628
Map3k20	ENSMUSG00000004085	361.4296	0.075235	0.102165	0.736409
Atr	ENSMUSG00000032409	1133.443	-0.00718	0.095419	-0.07522
Lrrc73	ENSMUSG00000071073	609.8059	-0.19601	0.113788	-1.7226
Dlgap5	ENSMUSG00000037544	2306.33	0.103573	0.065309	1.585896
Rasgrf2	ENSMUSG00000021708	1787.312	0.01014	0.12337	0.082194
Zfp87	ENSMUSG00000097333	451.7203	0.059813	0.105102	0.569096
Hdx	ENSMUSG00000034551	194.259	-0.04753	0.111442	-0.42649
Neb	ENSMUSG00000026950	142.5745	0.15447	0.145492	1.061707
Csf1	ENSMUSG00000014599	2494.611	0.025708	0.118988	0.216059
Utp14b	ENSMUSG00000079470	435.1801	-0.2699	0.134978	-1.99963
Ift57	ENSMUSG00000032965	1384.088	-0.0076	0.095649	-0.07945
Snx13	ENSMUSG00000020590	1925.54	0.017765	0.091578	0.193982
Cntln	ENSMUSG00000038070	1084.28	-0.08516	0.142615	-0.59717
Tmf1	ENSMUSG00000030059	1201.56	0.035907	0.129862	0.276506
Pik3cb	ENSMUSG00000032462	650.855	-0.1099	0.089485	-1.22816
C030037Dc	ENSMUSG00000087574	181.1024	-0.0941	0.143322	-0.65653
Stag1	ENSMUSG00000037286	2227.406	-0.0682	0.062765	-1.08654
Ppp1r12b	ENSMUSG00000073557	1228.055	-0.00836	0.104376	-0.08008
Rnf144a	ENSMUSG00000020642	124.6873	-0.26283	0.144069	-1.82435
Scn8a	ENSMUSG00000023033	778.7227	0.080916	0.112781	0.71746

Tmem147c	ENSMUSG00000097320	155.4236	0.093126	0.122185	0.762165
Pcdhb15	ENSMUSG00000047033	130.2694	0.050331	0.126595	0.397577
Cpsf6	ENSMUSG00000055531	2900.944	0.144384	0.061451	2.349585
Sympk	ENSMUSG00000023118	5313.521	0.072115	0.083233	0.866419
Fxr2	ENSMUSG00000018765	5399.811	0.056196	0.060475	0.929232
Ankrd50	ENSMUSG00000044864	878.042	-0.00542	0.104368	-0.05196
Nars2	ENSMUSG00000018995	443.3631	-0.01057	0.130343	-0.08107
Pnmal1	ENSMUSG00000041141	4004.767	0.035554	0.081833	0.434466
Zkscan3	ENSMUSG00000021327	1554.127	-0.09973	0.085828	-1.16194
Cryba2	ENSMUSG00000006546	2064.58	0.195471	0.145007	1.348011
Nalcn	ENSMUSG00000000197	900.7775	-0.03587	0.107684	-0.33306
Zfp235	ENSMUSG00000047603	301.972	0.141417	0.117715	1.201351
Qtrt1	ENSMUSG00000002825	470.963	0.007345	0.121669	0.060367
Map3k13	ENSMUSG00000033618	107.4605	-0.21261	0.145955	-1.45669
Itga6	ENSMUSG00000027111	4298.015	-0.02464	0.079825	-0.30872
Alg8	ENSMUSG00000035704	1197.938	-0.09902	0.076271	-1.29829
Gm19410	ENSMUSG000000109372	641.9864	0.235615	0.128249	1.83716
Rad51c	ENSMUSG00000007646	659.0583	-0.13259	0.074375	-1.78268
Nfkbib	ENSMUSG00000030595	947.4948	0.164547	0.08867	1.855716
Tango2	ENSMUSG00000013539	342.4839	0.072772	0.100338	0.725271
Tango2	ENSMUSG000000098377	342.4839	0.072772	0.100338	0.725271
Stx8	ENSMUSG00000020903	624.473	0.002444	0.129982	0.0188
Cacnb4	ENSMUSG00000017412	129.3856	-0.36364	0.143853	-2.52788
Os9	ENSMUSG00000040462	7585.876	-0.10329	0.069496	-1.4862
Gm47283	ENSMUSG00000096768	2247.525	-0.07979	0.127082	-0.62783
Fbxo27	ENSMUSG00000037463	405.2997	0.076302	0.137892	0.55335
Lrp8	ENSMUSG00000028613	3349.714	0.110833	0.1202	0.922069
Pik3r2	ENSMUSG00000011826	1448.881	0.027023	0.099619	0.271263
Gm13375	ENSMUSG00000075514	108.9239	-0.06728	0.135222	-0.49756
Tmbim1	ENSMUSG00000006301	221.9257	0.043312	0.112089	0.386413
Wnt9a	ENSMUSG00000000126	149.274	-0.17657	0.13153	-1.34246
Slmap	ENSMUSG00000021870	1315.896	-0.10397	0.083361	-1.24726
Fam45a	ENSMUSG00000024993	1221.028	0.036782	0.081039	0.453885
Tspan2	ENSMUSG00000027858	1012.375	-0.06076	0.095267	-0.63776
Mydgf	ENSMUSG00000019579	4550.274	-0.05193	0.096922	-0.53576
Srrd	ENSMUSG00000029346	393.8962	0.004053	0.100094	0.040489
Mettl23	ENSMUSG00000090266	531.5371	-0.03138	0.128872	-0.24348
Prune2	ENSMUSG00000039126	5278.968	-0.23299	0.088042	-2.64633
Dhrs4	ENSMUSG00000022210	2244.744	0.05364	0.085806	0.625133
Dusp28	ENSMUSG00000047067	736.488	-0.07168	0.104023	-0.68912
Dynll2	ENSMUSG00000020483	7272.613	-0.01695	0.069492	-0.24388
Zfp937	ENSMUSG00000060336	50.42789	0.194818	0.138556	1.406061
Myo1c	ENSMUSG00000017774	3364.611	-0.03759	0.064298	-0.58468
Supt5	ENSMUSG00000003435	6112.358	0.084579	0.070293	1.203229
Sf3b6	ENSMUSG00000037361	2800.74	0.0824	0.097392	0.846064
Pan2	ENSMUSG00000005682	785.1283	-0.14838	0.116545	-1.27317
Slc25a24	ENSMUSG00000040322	254.7443	-0.1342	0.116667	-1.15027
Uqcrc2	ENSMUSG00000030884	5968.382	0.135884	0.0601	2.26097
Zcrb1	ENSMUSG00000022635	2668.789	0.089319	0.103578	0.862336
Hykk	ENSMUSG00000035878	109.6239	0.136613	0.122581	1.114474
Ndufv3	ENSMUSG00000024038	3950.698	0.086766	0.106871	0.811878
Bud23	ENSMUSG00000005378	1218.993	0.084008	0.09757	0.861001

Col11a1	ENSMUSG00000027966	311.3878	0.333114	0.100875	3.302235
Dusp4	ENSMUSG00000031530	1098.511	-0.16508	0.146011	-1.13061
S1pr2	ENSMUSG00000043895	110.1234	-0.04502	0.143942	-0.31278
Slc22a5	ENSMUSG00000018900	514.9222	-0.0357	0.127894	-0.27912
Trib1	ENSMUSG00000032501	1193.821	-0.23533	0.079767	-2.95025
Adamts8	ENSMUSG00000031994	73.47321	-0.15007	0.12449	-1.20547
Mfsd5	ENSMUSG00000045665	1309.188	0.054472	0.103512	0.526239
Vezt	ENSMUSG00000036099	1147.796	0.093661	0.086618	1.081302
Ccdc137	ENSMUSG00000049957	808.1858	0.087382	0.071851	1.216164
Pnrc2	ENSMUSG00000028675	2919.752	-0.058	0.107325	-0.5404
Flnb	ENSMUSG00000025278	5688.248	-0.07354	0.078941	-0.9316
Rab7	ENSMUSG00000079477	9658.295	0.090422	0.066799	1.353652
Pgs1	ENSMUSG00000017715	1392.601	0.025294	0.058316	0.433738
Gm4791	ENSMUSG00000094893	888.6126	-0.00648	0.111941	-0.0579
Sil1	ENSMUSG00000024357	1403.896	-0.21078	0.084179	-2.50395
Btd	ENSMUSG00000021900	710.1405	0.109301	0.096923	1.127706
Hook1	ENSMUSG00000028572	3990.491	-0.02821	0.122071	-0.23107
Zfp955a	ENSMUSG00000094441	109.9428	-0.04573	0.14131	-0.3236
Def8	ENSMUSG00000001482	2040.847	-0.08138	0.123838	-0.65718
Nudt15	ENSMUSG00000033405	109.0037	0.00534	0.122661	0.043532
Tmem63b	ENSMUSG00000036026	2947.421	-0.15608	0.06347	-2.45914
Armc5	ENSMUSG00000042178	1832.772	-0.12379	0.073649	-1.6808
Zfp109	ENSMUSG00000074283	61.90307	-0.05177	0.14462	-0.35798
Atp6v1g1	ENSMUSG00000039105	6718.971	0.026381	0.097155	0.271534
Atp6v1g2	ENSMUSG00000024403	509.6042	-0.05853	0.090282	-0.64828
Myh9	ENSMUSG00000022443	6498.818	0.032606	0.083714	0.389491
Atxn7l3	ENSMUSG00000059995	2119.631	0.025102	0.062198	0.403579
Telo2	ENSMUSG00000024170	713.4916	-0.06217	0.102228	-0.60812
Ccdc84	ENSMUSG00000043923	733.3404	0.117154	0.092949	1.260401
Selenom	ENSMUSG00000075702	2691.834	0.082327	0.145301	0.566599
Dr1	ENSMUSG00000029265	935.0991	-0.16158	0.096776	-1.66961
Ankrd24	ENSMUSG00000054708	712.0848	-0.09542	0.120077	-0.79467
Rest	ENSMUSG00000029249	91.90465	0.013833	0.143387	0.096476
Tmem205	ENSMUSG00000040883	669.18	0.014815	0.125783	0.117784
Cpa2	ENSMUSG00000071553	298.2033	0.068564	0.128875	0.532021
Slk	ENSMUSG00000025060	1713.803	-0.09649	0.103455	-0.93267
Brd2	ENSMUSG00000024335	7314.854	-0.08862	0.082765	-1.0708
Tmem150a	ENSMUSG00000055912	146.3655	-0.14401	0.145849	-0.98739
Sp2	ENSMUSG00000018678	653.256	-0.11595	0.097904	-1.18436
Tent4a	ENSMUSG00000034575	1368.725	-0.09065	0.104603	-0.86656
Kcnt1	ENSMUSG00000058740	167.4459	-0.01848	0.142435	-0.12973
Patz1	ENSMUSG00000020453	1035.123	-0.09297	0.091702	-1.01378
Cop1	ENSMUSG00000040782	2929.851	0.051074	0.105612	0.483597
Hecw2	ENSMUSG00000042807	100.5856	0.041885	0.145937	0.287006
Baz2b	ENSMUSG00000026987	2017.56	-0.0725	0.091492	-0.79246
Ppil2	ENSMUSG00000022771	2341.595	0.004877	0.062549	0.077969
Ext1	ENSMUSG00000061731	1084.103	-0.11154	0.074277	-1.5017
Nceh1	ENSMUSG00000027698	1737.125	0.117707	0.090216	1.304727
Atp4a	ENSMUSG00000005553	970.8773	0.095549	0.133027	0.718272
Arl8a	ENSMUSG00000026426	2117.356	-0.14425	0.116261	-1.24077
Kansl3	ENSMUSG00000010453	1999.168	0.036509	0.09975	0.366003
Isg20	ENSMUSG00000039236	1826.876	0.037946	0.135615	0.279808

Dcaf5	ENSMUSG00000049106	1087.346	-0.13648	0.0993	-1.3744
Scrn2	ENSMUSG00000020877	398.8824	0.130178	0.132879	0.97967
Rp9	ENSMUSG00000032239	911.5623	-0.0081	0.125958	-0.06428
Crnde	ENSMUSG00000031736	302.7718	0.048955	0.127753	0.383201
Rab40c	ENSMUSG00000025730	835.5826	0.051266	0.06338	0.80887
Alad	ENSMUSG00000028393	1075.492	0.06265	0.116496	0.537789
Dtd1	ENSMUSG00000027430	676.8792	-0.09811	0.139482	-0.7034
Isy1	ENSMUSG00000030056	809.3909	0.072209	0.087584	0.824452
Zfp429	ENSMUSG00000078994	94.75826	-0.10374	0.133342	-0.77802
Poli	ENSMUSG00000038425	320.6691	-0.07943	0.105571	-0.75236
Zfp617	ENSMUSG00000066880	720.2491	-0.03238	0.102346	-0.3164
Dhx40	ENSMUSG00000018425	1595.563	-0.08018	0.116786	-0.68655
Rims2	ENSMUSG00000037386	716.8041	-0.06511	0.127409	-0.51101
Spout1	ENSMUSG00000039660	1262.755	0.093353	0.076343	1.222806
Zc3h15	ENSMUSG00000027091	3315.621	0.056728	0.06816	0.832272
Coil	ENSMUSG00000033983	411.8387	0.057951	0.091652	0.63229
Mpv17l	ENSMUSG00000022679	338.6156	0.098949	0.114913	0.861085
Myo15b	ENSMUSG00000034427	1128.655	0.001816	0.105421	0.017231
Atp13a3	ENSMUSG00000022533	3229.632	-0.15382	0.1363	-1.12857
Edrf1	ENSMUSG00000039990	998.2964	0.0172	0.106367	0.161707
Zfp639	ENSMUSG00000027667	933.1033	-0.10077	0.076613	-1.31535
Traf7	ENSMUSG00000052752	1917.274	-0.00847	0.068092	-0.1244
Khk	ENSMUSG00000029162	454.7479	0.090935	0.110618	0.822062
Srsf10	ENSMUSG00000028676	5277.417	0.112035	0.100882	1.110552
Tnfaip8l1	ENSMUSG00000044469	280.0025	0.025974	0.110695	0.234643
Retreg1	ENSMUSG00000022270	561.8995	-0.1219	0.120964	-1.00773
Kdm1a	ENSMUSG00000036940	3655.298	-0.0379	0.057552	-0.65854
R3hdm4	ENSMUSG00000035781	2242.15	-0.06441	0.092934	-0.69307
Dguok	ENSMUSG00000014554	597.837	-0.00484	0.0897	-0.05396
Tmem87a	ENSMUSG00000033808	1209.967	-0.01077	0.063084	-0.17078
Zfp747	ENSMUSG00000054381	293.2995	-0.07277	0.094463	-0.7704
Agpat2	ENSMUSG00000026922	521.3016	-0.04927	0.128988	-0.38199
Rfx2	ENSMUSG00000024206	506.4563	0.04618	0.106413	0.433974
Dnajc22	ENSMUSG00000038009	279.0247	-0.17627	0.145507	-1.21141
Slc33a1	ENSMUSG00000027822	1706.666	-0.03086	0.087163	-0.35404
Ubtf	ENSMUSG00000020923	3750.177	-0.02225	0.05866	-0.37927
Cib2	ENSMUSG00000037493	1467.077	0.133769	0.113591	1.177636
Wdr92	ENSMUSG00000078970	405.0317	-0.05025	0.096554	-0.52044
Ift20	ENSMUSG00000001105	1995.91	0.234804	0.093964	2.49888
Diablo	ENSMUSG00000029433	2548.715	-0.05952	0.078134	-0.76174
Tnfrsf26	ENSMUSG00000045362	51.49418	0.008858	0.145961	0.060691
Tsc1	ENSMUSG00000026812	1349.214	0.024057	0.10161	0.236758
Arfgef3	ENSMUSG00000019852	4415.18	0.052715	0.133644	0.394445
Dcaf17	ENSMUSG00000041966	669.7622	-0.1779	0.097937	-1.81649
F3	ENSMUSG00000028128	395.9157	-0.04365	0.130364	-0.33485
Cog6	ENSMUSG00000027742	2462.657	0.010045	0.086233	0.116483
Tlcd1	ENSMUSG00000019437	1099.499	0.108304	0.110435	0.980705
Wdr45b	ENSMUSG00000025173	2032.606	-0.06329	0.073323	-0.86316
Pik3r2	ENSMUSG00000031834	1448.881	0.027023	0.099619	0.271263
Arhgef40	ENSMUSG00000004562	360.569	0.210789	0.124688	1.690532
Arhgap20	ENSMUSG00000053199	293.064	0.052675	0.145255	0.362637
Sag	ENSMUSG00000056055	97.69967	0.216857	0.145753	1.487836

Tmem43	ENSMUSG00000030095	1452.968	0.105947	0.086039	1.231387
Cbx8	ENSMUSG00000025578	613.4714	0.052698	0.10555	0.499264
Nde1	ENSMUSG00000022678	1319.761	-0.00133	0.078319	-0.01697
Nbeal1	ENSMUSG00000073664	750.1785	0.055371	0.09896	0.559533
Ebag9	ENSMUSG00000022339	601.5401	-0.09023	0.080196	-1.12506
Vps13b	ENSMUSG00000037646	1792.969	-0.11085	0.109921	-1.00841
Fads3	ENSMUSG00000024664	67.84174	0.011199	0.13372	0.083751
Klhl23	ENSMUSG00000042155	243.0359	-0.1689	0.124701	-1.35448
Rabep1	ENSMUSG00000020817	2737.737	0.011273	0.067307	0.167491
Nup153	ENSMUSG00000021374	2190.89	-0.10827	0.096865	-1.11772
Atg5	ENSMUSG00000038160	1244.953	-0.05883	0.075461	-0.77963
Man1a	ENSMUSG00000003746	3336.969	-0.13896	0.145688	-0.95383
Fam162a	ENSMUSG00000003955	3656.1	-0.0109	0.119405	-0.09132
Tomm40l	ENSMUSG00000005674	1390.173	0.062059	0.117475	0.528273
Zdhhc9	ENSMUSG00000036985	370.7827	-0.1234	0.11207	-1.10106
Auh	ENSMUSG00000021460	1124.844	0.029813	0.088935	0.335217
Osbpl1a	ENSMUSG00000044252	929.4432	0.183876	0.085019	2.162776
Zfp574	ENSMUSG00000045252	1233.267	0.012301	0.101311	0.121421
Golga5	ENSMUSG00000021192	1686.377	-0.11614	0.095429	-1.21698
Gadd45gip	ENSMUSG00000033751	3016.984	0.047855	0.109878	0.435527
Trps1	ENSMUSG00000038679	216.9061	-0.29443	0.126823	-2.32156
Decr1	ENSMUSG00000028223	805.8981	0.066475	0.132597	0.50133
Khynyn	ENSMUSG00000047153	585.0495	-0.06265	0.130798	-0.47897
Fibp	ENSMUSG00000024911	1080.197	0.002698	0.104832	0.025736
Epc1	ENSMUSG00000024240	740.7089	-0.11295	0.087549	-1.29015
Fam92a	ENSMUSG00000028218	1669.599	0.039337	0.112416	0.349926
Abcb1b	ENSMUSG00000028970	168.7607	-0.05112	0.119227	-0.42875
Mfsd12	ENSMUSG00000034854	600.3522	-0.03075	0.075064	-0.40969
C1qtnf12	ENSMUSG00000023571	326.9051	0.115976	0.138945	0.834688
Zfp830	ENSMUSG00000046010	359.64	0.010022	0.096271	0.104102
Zhx3	ENSMUSG00000035877	1954.538	0.058117	0.091057	0.638244
Kifc5b	ENSMUSG00000024301	1305.646	-0.01438	0.099552	-0.14446
Cox16	ENSMUSG000000091803	1263.258	0.045139	0.116759	0.386603
Selenoo	ENSMUSG00000035757	949.434	-0.01025	0.086681	-0.1183
RbmX2	ENSMUSG00000031107	994.0648	0.116761	0.084145	1.387619
Rapgef5	ENSMUSG00000041992	266.6656	-0.08114	0.136034	-0.59644
2610020C	ENSMUSG00000097537	157.9493	-0.09987	0.120955	-0.82566
Eif4a-ps4	ENSMUSG000000101188	1714.438	0.037001	0.131898	0.280527
Man2b2	ENSMUSG00000029119	3675.918	-0.19898	0.094204	-2.11224
Ppm1a	ENSMUSG00000021096	1925.71	-0.12517	0.074507	-1.67992
Hsd1l	ENSMUSG00000034189	1272.075	-0.10402	0.094096	-1.10544
Rbfa	ENSMUSG00000024570	1205.463	0.073526	0.100581	0.731015
Ebpl	ENSMUSG00000021928	429.2174	-0.03966	0.140433	-0.28241
Sgms1	ENSMUSG00000040451	452.8765	0.077216	0.135493	0.569888
Akap8l	ENSMUSG00000002625	1261.364	0.183051	0.068795	2.660807
Capn9	ENSMUSG00000031981	232.3757	-0.01571	0.145533	-0.10796
Plk5	ENSMUSG00000035486	516.0657	-0.03531	0.119739	-0.29493
Rtl10	ENSMUSG00000086965	114.9487	-0.03779	0.139762	-0.27036
Mettl6	ENSMUSG00000021891	462.8923	-0.00874	0.084218	-0.1038
E230016M	ENSMUSG00000087231	167.402	0.181603	0.144238	1.25905
Ptpn3	ENSMUSG00000038764	1755.939	-0.1558	0.092865	-1.67776
Mast3	ENSMUSG00000031833	949.0036	-0.00874	0.085012	-0.10282

Sms-ps	ENSMUSG00000081752	168.4068	-0.11573	0.135487	-0.85415
Fitm2	ENSMUSG00000048486	2066.16	0.125165	0.051603	2.425547
Mgme1	ENSMUSG00000027424	589.8504	0.003805	0.100078	0.038022
Ugdh	ENSMUSG00000029201	1339.558	0.06965	0.079769	0.873135
Zfp612	ENSMUSG00000044676	1350.103	-0.04791	0.107363	-0.44624
Chd4	ENSMUSG00000063870	10503.66	-0.00389	0.083945	-0.04632
Dmtf1	ENSMUSG00000042508	1642.076	-0.08526	0.103166	-0.82643
Wdr89	ENSMUSG00000045690	120.1789	0.00021	0.108544	0.001933
Gm4419	ENSMUSG00000097055	225.7616	-0.14726	0.12609	-1.16791
Hmgn5	ENSMUSG00000031245	963.0125	0.087552	0.089714	0.9759
Kdm5c	ENSMUSG00000025332	3386.515	0.029249	0.088997	0.328649
Snupn	ENSMUSG00000055334	247.4062	0.050095	0.133736	0.374579
Arl4c	ENSMUSG00000049866	316.4209	-0.16413	0.114144	-1.43796
Ctcf	ENSMUSG00000005698	3412.046	-0.07866	0.089685	-0.8771
Cyhr1	ENSMUSG00000053929	3254.86	0.214636	0.081268	2.641096
Tmem241	ENSMUSG00000049411	222.9599	0.164231	0.131729	1.246732
Hap1	ENSMUSG00000006930	5725.504	0.001562	0.087645	0.017821
Pak1	ENSMUSG00000030774	1653.357	-0.26729	0.085678	-3.1197
Fnbp1	ENSMUSG00000075415	1034.68	0.022363	0.098455	0.227135
Epha7	ENSMUSG00000028289	466.8479	0.095064	0.124737	0.762113
Tax1bp1	ENSMUSG00000004535	5531.832	-0.05049	0.045744	-1.1038
Ankrd37	ENSMUSG00000050914	816.9526	-0.01939	0.104896	-0.18487
Pitpnm2	ENSMUSG00000029406	4355.706	0.034947	0.087629	0.398799
Gm20457	ENSMUSG00000092187	80.73069	0.06434	0.128157	0.502041
Pex7	ENSMUSG00000020003	1067.769	-0.1239	0.084952	-1.45848
Rnf145	ENSMUSG00000019189	3595.034	0.014938	0.097434	0.153318
Zscan21	ENSMUSG00000037017	801.7959	-0.0678	0.07461	-0.90868
B3galt4	ENSMUSG00000067370	256.7653	-0.05541	0.0957	-0.57895
Cebpz	ENSMUSG00000024081	1639.17	0.019504	0.085057	0.229308
Myl6	ENSMUSG00000090841	12487.54	0.107474	0.117685	0.913235
Greb1	ENSMUSG00000036523	143.4222	-0.19705	0.144738	-1.3614
Doc2b	ENSMUSG00000020848	135.7085	0.135276	0.138993	0.973256
Samhd1	ENSMUSG00000027639	1412.218	0.087337	0.102213	0.854458
9930104LC	ENSMUSG00000044730	463.8974	-0.05545	0.106895	-0.51875
Gde1	ENSMUSG00000033917	9952.1	-0.12758	0.130341	-0.97882
Adtrp	ENSMUSG00000058022	63.44122	-0.15341	0.142745	-1.07474
Gpr3	ENSMUSG00000049649	85.85676	-0.13818	0.136455	-1.01264
D1Ert622	ENSMUSG00000044768	2483.466	-0.00999	0.079409	-0.12581
Ccdc66	ENSMUSG00000046753	438.4084	-0.17186	0.077008	-2.23178
Cd151	ENSMUSG00000025510	1640.227	-0.06225	0.095151	-0.65424
2610507B1	ENSMUSG00000010277	7606.696	-0.02146	0.054375	-0.39471
Prkar2a	ENSMUSG00000032601	2310.891	-0.20591	0.078477	-2.62379
Oaf	ENSMUSG00000032014	450.8952	0.26154	0.146007	1.791288
Aptx	ENSMUSG00000028411	531.5441	0.045533	0.126437	0.360125
Pspc1	ENSMUSG00000021938	1038.031	0.148238	0.138909	1.067166
Esco2	ENSMUSG00000022034	1380.631	0.0459	0.121375	0.378164
Glrb	ENSMUSG00000028020	1915.345	-0.01176	0.099141	-0.11862
Pih1d1	ENSMUSG00000003423	2040.51	0.034972	0.094776	0.368996
Lrnf5	ENSMUSG00000035653	278.841	0.069345	0.145733	0.475838
Gm26804	ENSMUSG00000097263	90.68307	0.102269	0.14457	0.707403
Gm44126	ENSMUSG000000107770	83.51088	-0.02957	0.128684	-0.22981
Kras	ENSMUSG00000030265	3994.361	-0.13161	0.100264	-1.31266

Nbeal2	ENSMUSG00000056724	952.7864	-0.11817	0.12625	-0.93597
Thtpa	ENSMUSG00000045691	1416.509	-0.00396	0.065822	-0.0601
Sez6	ENSMUSG00000000632	1773.027	-0.10361	0.145664	-0.71128
Rfc2	ENSMUSG00000023104	4684.564	0.079538	0.088514	0.898588
Nell1	ENSMUSG00000055409	3523.113	-0.01613	0.119258	-0.13523
Khdrbs3	ENSMUSG00000022332	3463.8	0.085273	0.118837	0.717563
Senp8	ENSMUSG00000051705	381.0986	0.057187	0.128229	0.445973
Lrrc29	ENSMUSG00000041679	152.2082	-0.13834	0.141067	-0.98067
Dyrk1b	ENSMUSG00000002409	607.201	-0.20171	0.097724	-2.06406
Larp7	ENSMUSG00000027968	1865.086	0.146294	0.068636	2.131436
Apc	ENSMUSG00000005871	2561.43	0.036089	0.10396	0.347144
Tars2	ENSMUSG00000028107	1096.741	0.012965	0.070086	0.184989
Zfand2b	ENSMUSG00000026197	770.9883	0.015894	0.103581	0.153441
Psat1	ENSMUSG00000024640	8857.162	0.07156	0.140087	0.510827
Slc43a2	ENSMUSG00000038178	5026.479	-0.0545	0.134837	-0.40419
Steap2	ENSMUSG00000015653	192.3382	0.003877	0.120854	0.032083
2810021J2	ENSMUSG00000020491	260.0152	-0.04823	0.118042	-0.40863
Rex1bd	ENSMUSG00000058833	1789.78	0.152035	0.121795	1.248286
Gins3	ENSMUSG00000031669	1363.238	0.122974	0.136225	0.902733
Coq6	ENSMUSG00000021235	923.5848	0.128059	0.082334	1.555365
Tfip11	ENSMUSG00000029345	1933.069	0.015239	0.062439	0.244068
Zfp128	ENSMUSG00000060397	159.0914	-0.06551	0.106707	-0.61391
Mapt	ENSMUSG00000018411	1510.055	-0.00311	0.144702	-0.02148
Snx25	ENSMUSG00000038291	2708.187	0.074952	0.127491	0.587899
Mir6236	ENSMUSG00000098973	16540.98	0.095434	0.125703	0.759201
Prr13	ENSMUSG00000023048	1948.55	0.068954	0.081287	0.848278
Cpt1a	ENSMUSG00000024900	957.8262	-0.19005	0.118286	-1.60667
Ino80dos	ENSMUSG00000084799	117.3689	-0.15975	0.135021	-1.18318
Etfhdh	ENSMUSG00000027809	1969.6	0.118564	0.084476	1.403518
Preb	ENSMUSG00000045302	4032.069	0.047152	0.067094	0.702776
Ccdc115	ENSMUSG00000042111	980.6261	0.024898	0.091381	0.27246
Zfp961	ENSMUSG00000052446	887.635	0.053372	0.100088	0.533246
Hpca	ENSMUSG00000028785	1562.642	0.084638	0.132875	0.636977
Golga3	ENSMUSG00000029502	2663.873	0.122436	0.09532	1.284472
Aspm	ENSMUSG00000033952	1469.7	-0.03681	0.100123	-0.36762
Galnt10	ENSMUSG00000020520	1351.428	0.025658	0.062731	0.409011
Rhof	ENSMUSG00000029449	234.3574	0.113912	0.121927	0.934271
Zfp142	ENSMUSG00000026135	1307.78	-0.02935	0.106777	-0.27484
Vamp4	ENSMUSG00000026696	1927.916	-0.03291	0.089476	-0.36778
Zfp143	ENSMUSG00000061079	505.6474	-0.08139	0.110938	-0.73363
Atad2b	ENSMUSG00000052812	155.4347	-0.10378	0.144405	-0.71866
Dhrs13	ENSMUSG00000020834	984.0921	0.004873	0.077885	0.062564
Fgfr1op	ENSMUSG00000069135	813.7417	0.0125	0.089429	0.139778
Chml	ENSMUSG00000078185	1794.063	-0.17279	0.12986	-1.33056
Trib3	ENSMUSG00000032715	493.4508	-0.00702	0.103585	-0.06776
Mapk14	ENSMUSG00000053436	3653.1	-0.14071	0.074144	-1.8978
Larp1b	ENSMUSG00000025762	1402.829	-0.03484	0.107454	-0.32426
Pqlc3	ENSMUSG00000045679	535.5316	-0.17355	0.129266	-1.34261
Mzt2	ENSMUSG00000022671	558.7957	0.007789	0.115861	0.067225
Fam184a	ENSMUSG00000019856	876.7459	0.115564	0.119548	0.966673
Ttc39a	ENSMUSG00000028555	1832.741	0.071907	0.089443	0.803946
Mpp2	ENSMUSG00000017314	3418.625	0.045454	0.095844	0.474251

Tbrg4	ENSMUSG00000000384	1481.438	0.036715	0.089102	0.412052
Ufd1	ENSMUSG000000005262	2645.574	0.058858	0.064539	0.911978
Jag2	ENSMUSG000000002799	2222.318	-0.0763	0.110171	-0.69252
Klhl1	ENSMUSG000000022076	898.7343	-0.09708	0.089898	-1.07993
Zfp59	ENSMUSG000000078779	341.4056	-0.09788	0.098987	-0.98885
Nfix	ENSMUSG000000001911	1049.389	-0.22308	0.123352	-1.80852
Mob1a	ENSMUSG000000043131	1400.433	-0.09359	0.10149	-0.92217
Kbtbd2	ENSMUSG000000059486	1551.456	-0.05533	0.094825	-0.58354
Dusp19	ENSMUSG000000027001	349.1321	0.010343	0.100762	0.102652
Fbxo32	ENSMUSG000000022358	231.2224	-0.32619	0.14466	-2.25489
Papss1	ENSMUSG000000028032	2853.7	0.065635	0.057262	1.14623
Scyl1	ENSMUSG000000024941	3621.172	0.106628	0.079477	1.341628
Helq	ENSMUSG000000035266	1333.915	-0.00448	0.084467	-0.05302
Zfp846	ENSMUSG000000058192	369.33	-0.00092	0.099731	-0.00918
Sh3bp4	ENSMUSG000000036206	491.1978	0.039644	0.141779	0.279618
Wdr11	ENSMUSG000000042055	1771.837	-0.00282	0.092686	-0.03042
Maoa	ENSMUSG000000025037	700.508	0.123166	0.103194	1.193536
Gadd45b	ENSMUSG000000015312	301.266	-0.09909	0.128869	-0.76889
Ppp2r5a	ENSMUSG000000026626	1624.62	0.196036	0.08328	2.353942
Cer1	ENSMUSG000000038192	40.56798	-0.02443	0.116743	-0.20928
Fbxo31	ENSMUSG000000052934	766.3575	0.028851	0.099261	0.290661
Fmn12	ENSMUSG000000036053	1937.473	-0.02585	0.13964	-0.18512
Cluap1	ENSMUSG000000014232	486.9136	0.015024	0.120365	0.124821
Srrm2	ENSMUSG000000039218	10611.79	-0.01473	0.083913	-0.17555
H2afz	ENSMUSG000000037894	23508.43	-0.04385	0.09487	-0.46218
Polr2e	ENSMUSG000000004667	1558.721	-0.01818	0.091662	-0.19832
Miga2	ENSMUSG000000026858	1153.213	0.039878	0.078456	0.508281
Fpgs	ENSMUSG000000009566	733.8365	-0.01592	0.09434	-0.16878
Sp3os	ENSMUSG000000063714	151.7461	0.020272	0.14593	0.138918
Man2c1	ENSMUSG000000032295	1614.599	-0.04678	0.110696	-0.42258
Dnajc3	ENSMUSG000000022136	5502.778	0.027231	0.108498	0.250982
Gm13425	ENSMUSG000000085224	108.482	-0.04582	0.145995	-0.31384
Ints8	ENSMUSG000000040738	1459.809	0.042932	0.10361	0.414359
Mtf1	ENSMUSG000000028890	900.7771	0.010825	0.103375	0.104716
Sbk1	ENSMUSG000000042978	2005.316	0.077952	0.083389	0.934803
Atrx	ENSMUSG000000031229	3277.312	-0.01998	0.127341	-0.15688
Rrbp1	ENSMUSG000000027422	6302.485	0.049398	0.091337	0.540826
Atg16l1	ENSMUSG000000026289	1537.943	0.020556	0.075699	0.271549
Mrpl9	ENSMUSG000000028140	1450.623	0.112412	0.07506	1.497617
Tmem134	ENSMUSG000000024845	1468.729	-0.05329	0.098078	-0.54339
Zfp451	ENSMUSG000000042197	1517.146	-0.05868	0.09654	-0.60779
Mynn	ENSMUSG000000037730	1089.44	0.053386	0.1113	0.479655
Ppil4	ENSMUSG000000015757	1507.056	0.097184	0.059175	1.642323
Dcaf6	ENSMUSG000000026571	1167.953	-0.0419	0.107064	-0.39135
Pole4	ENSMUSG000000030042	794.8878	0.06655	0.134874	0.49342
Oat	ENSMUSG000000030934	3844.715	-0.31215	0.096211	-3.24441
Aaed1	ENSMUSG000000021482	388.767	-0.10406	0.141603	-0.73486
Arhgap19	ENSMUSG000000025154	1194.224	-0.00899	0.089829	-0.10006
lqsec2	ENSMUSG000000041115	369.1279	0.006679	0.106701	0.062597
38047	ENSMUSG000000039372	1037.384	-0.12337	0.11962	-1.03139
Wdr74	ENSMUSG000000042729	1092.279	0.041288	0.080118	0.515335
Sergef	ENSMUSG000000030839	468.8883	0.077673	0.113257	0.68581

9130023H:	ENSMUSG00000062944	576.1186	-0.21031	0.076462	-2.75045
Ctnna1	ENSMUSG00000037815	5717.925	-0.02297	0.057197	-0.40159
Rnf146	ENSMUSG00000038876	1043.448	-0.02801	0.113106	-0.24765
Slain2	ENSMUSG00000036087	2001.602	-0.07307	0.075556	-0.96709
Rprml	ENSMUSG00000046215	1080.693	0.257413	0.126296	2.038163
Ogfod2	ENSMUSG00000023707	1261.13	0.061749	0.080506	0.767013
Sema4b	ENSMUSG00000030539	1314.543	-0.02303	0.088879	-0.25909
Snx15	ENSMUSG00000024787	1007.609	-0.05121	0.09754	-0.52505
Leprot	ENSMUSG00000035212	1208.57	-0.03569	0.097195	-0.36715
Dusp5	ENSMUSG00000034765	4000.721	-0.08788	0.074258	-1.18345
Ly6e	ENSMUSG00000022587	2460.966	-0.28205	0.13751	-2.05115
Glb1l	ENSMUSG00000026200	257.4252	-0.00778	0.138949	-0.056
Aamp	ENSMUSG00000006299	5121.549	0.131082	0.10259	1.277722
Ciz1	ENSMUSG00000039205	1813.599	-0.15837	0.079685	-1.98745
Slc25a22	ENSMUSG00000019082	2377.646	0.240453	0.078494	3.063338
Stoml1	ENSMUSG00000032333	353.0764	0.060284	0.11683	0.515999
Abcf2	ENSMUSG00000028953	2754.756	0.049202	0.080759	0.609243
1190002N:	ENSMUSG00000045414	1363.267	-0.1033	0.132162	-0.78163
Dvl3	ENSMUSG00000003233	804.4831	-0.05865	0.12522	-0.4684
Ift81	ENSMUSG00000029469	1608.493	-0.10184	0.099082	-1.02779
Qars	ENSMUSG00000032604	2194.453	0.101836	0.089592	1.136658
Itpr2	ENSMUSG00000030287	51.48462	0.023373	0.145638	0.160489
Pebp1	ENSMUSG00000032959	11409.92	0.147186	0.097168	1.51475
Lpp	ENSMUSG00000033306	898.3621	-0.15028	0.090537	-1.65982
Dusp3	ENSMUSG00000003518	2420.84	-0.12433	0.139888	-0.88877
Asrgl1	ENSMUSG00000024654	1030.9	-0.0309	0.124683	-0.24785
Mast3	ENSMUSG000000110763	948.6108	-0.00763	0.08508	-0.0897
Tubgcp3	ENSMUSG00000000759	2141.247	0.073129	0.065555	1.115534
Dhx37	ENSMUSG00000029480	782.1496	0.066352	0.08774	0.756237
Pkm	ENSMUSG00000032294	99089.67	0.026768	0.117884	0.227073
Elf4	ENSMUSG00000031103	680.0989	-0.20622	0.091057	-2.26475
Tmem70	ENSMUSG00000025940	1064.499	-0.04244	0.079765	-0.53205
Tepsin	ENSMUSG00000025377	574.5231	-0.03127	0.085661	-0.36505
Klhd4	ENSMUSG00000040263	1359.763	-0.12966	0.083533	-1.55221
Ncbp1	ENSMUSG00000028330	3638.489	-0.01311	0.069622	-0.18827
Tnfaip3	ENSMUSG00000019850	201.408	-0.12451	0.138163	-0.90119
Tbc1d2	ENSMUSG00000039813	246.5298	0.162217	0.092129	1.76076
Vdac3	ENSMUSG00000008892	5239.832	0.092029	0.076097	1.209369
Hspa5	ENSMUSG00000026864	41234.01	0.002113	0.078821	0.026813
Rexo4	ENSMUSG00000052406	1202.723	-0.02797	0.071847	-0.38931
9130221H:	ENSMUSG00000090330	353.4613	-0.01837	0.087642	-0.20956
Ska1	ENSMUSG00000036223	813.192	-0.0367	0.085742	-0.42808
Ip6k2	ENSMUSG000000106672	1636.529	0.015501	0.091664	0.169104
Ralgds	ENSMUSG00000026821	2085.957	0.16269	0.093932	1.731998
Snw1	ENSMUSG00000021039	2658.125	0.00262	0.054532	0.048037
Psmd9	ENSMUSG00000029440	1265.179	0.077095	0.083706	0.921013
Triobp	ENSMUSG00000033088	1515.519	-0.08663	0.062517	-1.38575
Hypk	ENSMUSG00000027245	212.6207	0.10239	0.131194	0.780448
Gtf2ird2	ENSMUSG00000015942	668.7007	0.037081	0.106841	0.347066
Rint1	ENSMUSG00000028999	1220.42	0.140696	0.081077	1.73534
Rnf219	ENSMUSG00000022120	571.3228	-0.05937	0.079605	-0.74577
Gnl3	ENSMUSG00000042354	1643.157	0.020307	0.113013	0.17969

Babam1	ENSMUSG00000031820	3480.288	0.009135	0.08357	0.109315
Ano5	ENSMUSG00000055489	86.17279	-0.01964	0.139475	-0.14083
Hp1bp3	ENSMUSG00000028759	5823.867	-0.03303	0.070552	-0.4682
Tmcc2	ENSMUSG00000042066	3452.27	0.040993	0.088107	0.465266
Fignl1	ENSMUSG00000035455	2310.449	0.046915	0.080899	0.579921
Zc3h11a	ENSMUSG000000102976	4094.781	-0.01783	0.10664	-0.16717
Tent5a	ENSMUSG00000032265	4930.347	-0.33601	0.11584	-2.90067
Grk2	ENSMUSG00000024858	4370.705	-0.00207	0.103862	-0.01993
Ppm1b	ENSMUSG00000061130	4964.184	0.072511	0.055773	1.300109
Ydjc	ENSMUSG00000041774	340.8749	0.188825	0.136499	1.383344
Ip6k2	ENSMUSG00000032599	1636.529	0.015501	0.091664	0.169104
Vps39	ENSMUSG00000027291	2613.432	-0.05666	0.077888	-0.72741
Tmem132a	ENSMUSG00000024736	2543.902	-0.09098	0.07125	-1.27692
Kantr	ENSMUSG00000087403	48.21108	-0.06769	0.146011	-0.46362
Ttc22	ENSMUSG00000034919	1154.296	0.13026	0.137719	0.945846
Dse	ENSMUSG00000039497	67.35183	0.124333	0.143491	0.866487
Cd63	ENSMUSG00000025351	7462.612	-0.01521	0.14551	-0.1045
Slc39a14	ENSMUSG00000022094	788.6989	-0.00721	0.121653	-0.05925
Scai	ENSMUSG00000035236	530.45	0.305695	0.11369	2.688839
Ddx54	ENSMUSG00000029599	1617.437	0.006491	0.086944	0.074652
Cdc20	ENSMUSG00000006398	4007.799	-0.014	0.088788	-0.1577
Dnpep	ENSMUSG00000026209	3870.302	-0.05087	0.07209	-0.70565
Slc30a4	ENSMUSG00000005802	1230.941	-0.10047	0.068546	-1.46576
Lancl1	ENSMUSG00000026000	1801.033	0.060685	0.097439	0.622796
Tmem150a	ENSMUSG000000102455	146.3655	-0.14401	0.145849	-0.98739
Dgkd	ENSMUSG00000070738	3980.716	0.12446	0.058429	2.130103
Rabac1	ENSMUSG00000003380	3994.471	0.016916	0.117528	0.143934
Fam160a2	ENSMUSG00000044465	1493.567	0.108559	0.105412	1.029853
Dnajb4	ENSMUSG00000028035	295.583	-0.04625	0.116367	-0.39747
Asf1b	ENSMUSG00000005470	4527.369	-0.029	0.109237	-0.26552
Sap30	ENSMUSG00000031609	642.806	0.052354	0.143707	0.364312
Uqcr11	ENSMUSG00000020163	3641.269	0.096879	0.111652	0.867686
Arid5b	ENSMUSG00000019947	60.38947	-0.13573	0.140577	-0.9655
4833418N	ENSMUSG00000085287	52.56075	-0.06162	0.145448	-0.42364
Arl6ip6	ENSMUSG00000026960	1250.991	-0.10554	0.11426	-0.92372
Lrba	ENSMUSG00000028080	2732.548	0.070678	0.071929	0.982608
Afmid	ENSMUSG00000017718	342.1777	0.080669	0.131124	0.615209
Chka	ENSMUSG00000024843	4130.998	0.063219	0.106872	0.591539
Rbck1	ENSMUSG00000027466	1331.185	-0.16739	0.067883	-2.4659
Commd5	ENSMUSG00000055041	453.9635	0.034246	0.094864	0.361003
Kctd7	ENSMUSG00000034110	583.4494	-0.00103	0.096422	-0.01071
Arl6	ENSMUSG00000022722	1677.136	-0.02053	0.07161	-0.28667
Dst	ENSMUSG00000026131	8207.223	-0.06903	0.10649	-0.64822
Hgh1	ENSMUSG00000022554	366.9056	0.099191	0.103196	0.961196
Mocs3	ENSMUSG00000074576	291.4845	0.036474	0.122938	0.296689
Cdca7l	ENSMUSG00000021175	250.9045	-0.14429	0.144453	-0.99886
Calhm5	ENSMUSG00000049872	93.91954	0.031151	0.135384	0.230094
Agpat4	ENSMUSG00000023827	619.8761	0.018323	0.135557	0.135172
Gramd1c	ENSMUSG00000036292	291.8181	-0.02411	0.116667	-0.20668
Trmt11	ENSMUSG00000019792	435.527	0.082989	0.085604	0.969453
Rnf157	ENSMUSG00000052949	2942.394	0.0288	0.10164	0.283356
Dlgap3	ENSMUSG00000042388	1592.409	0.10306	0.117176	0.879535

Cuta	ENSMUSG00000024194	2720.365	0.142843	0.088975	1.605435
BC005624	ENSMUSG00000026851	1461.194	0.07795	0.09723	0.801709
Tmem127	ENSMUSG00000034850	4041.889	0.007686	0.069908	0.109951
Zfp947	ENSMUSG00000063383	217.0222	-0.11172	0.099716	-1.12036
Tmed8	ENSMUSG00000034111	3099.213	-0.09265	0.098812	-0.93767
Cipc	ENSMUSG00000034157	1271.426	-0.06317	0.083679	-0.75486
Nagk	ENSMUSG00000034744	1394.907	0.02933	0.097153	0.301893
AI593442	ENSMUSG00000078307	560.4065	-0.22649	0.133834	-1.69234
Fam204a	ENSMUSG00000057858	508.8538	0.031749	0.106641	0.29772
Rsrc1	ENSMUSG00000034544	829.1658	0.039754	0.108063	0.367877
Ift172	ENSMUSG00000038564	1280.42	0.042946	0.117538	0.36538
Pars2	ENSMUSG00000043572	266.118	-0.01683	0.106564	-0.15793
Ugt1a9	ENSMUSG00000090175	205.7936	-0.12329	0.119659	-1.03032
Kdm1b	ENSMUSG00000038080	519.0547	-0.03251	0.126954	-0.2561
Il17rc	ENSMUSG00000030281	917.6772	0.012874	0.119247	0.10796
Exosc2	ENSMUSG00000039356	2440.871	0.180825	0.082869	2.182063
17001230	ENSMUSG00000040822	907.5625	0.128819	0.072668	1.77271
Dennd2d	ENSMUSG00000027901	562.1149	0.172305	0.091099	1.891416
Opa3	ENSMUSG00000052214	2307.572	-0.04585	0.077788	-0.58943
Slc36a4	ENSMUSG00000043885	2458.685	-0.00272	0.090004	-0.03024
Comt	ENSMUSG00000000326	2767.213	0.069928	0.108507	0.644461
Comt	ENSMUSG00000098892	2767.213	0.069928	0.108507	0.644461
Glipr2	ENSMUSG00000028480	293.3615	-0.08593	0.126599	-0.6788
Klhl20	ENSMUSG00000026705	588.6886	0.094931	0.092917	1.021676
Ppp2r2c	ENSMUSG00000029120	5998.463	0.055423	0.0809	0.685075
Mical2	ENSMUSG00000038244	1602.155	-0.07788	0.100579	-0.77436
Apool	ENSMUSG00000025525	294.748	-0.08043	0.117966	-0.68177
Fars2	ENSMUSG00000021420	562.1277	0.092196	0.099236	0.929055
Cryl1	ENSMUSG00000021947	273.1615	0.017044	0.145225	0.11736
Alg5	ENSMUSG00000036632	1019.989	-0.09486	0.078701	-1.20529
Chpf2	ENSMUSG00000038181	1357.542	-0.05633	0.097822	-0.57585
Tcf3	ENSMUSG00000020167	1686.459	-0.0247	0.075127	-0.32881
Neurl1b	ENSMUSG00000034413	2507.953	0.093304	0.093808	0.994631
Dennd1b	ENSMUSG00000056268	526.8854	-0.01724	0.097476	-0.17691
Sat1	ENSMUSG00000025283	1292.637	0.011339	0.144368	0.078541
Cad	ENSMUSG00000013629	6132.206	0.197574	0.11337	1.742726
Caskin2	ENSMUSG00000034471	732.8503	-0.06962	0.081288	-0.85652
Rhot1	ENSMUSG00000017686	2159.377	-0.02284	0.065246	-0.35
Ccdc112	ENSMUSG00000071855	290.6434	-0.03538	0.094243	-0.37538
Cnm3	ENSMUSG00000001138	806.7027	-0.07967	0.113935	-0.69922
Klhl2	ENSMUSG00000031605	1684.493	-0.05983	0.124926	-0.4789
Jkamp	ENSMUSG00000005078	1079.542	-0.0786	0.093086	-0.84435
Zfp365	ENSMUSG00000037855	705.9535	0.094548	0.140892	0.671063
Zfp746	ENSMUSG00000057691	1015.016	0.040634	0.11636	0.349212
Stbd1	ENSMUSG00000047963	615.1836	0.091519	0.134344	0.681226
Gm45322	ENSMUSG00000110051	3113.814	-0.0387	0.116647	-0.3318
Tarsl2	ENSMUSG00000030515	1520.013	0.025912	0.056793	0.456254
Eif3c	ENSMUSG00000030738	10342.83	0.046988	0.094413	0.497682
Nectin3	ENSMUSG00000022656	2859.433	-0.01868	0.092538	-0.2019
Fgfr2	ENSMUSG00000030849	2802.375	0.088053	0.120614	0.730038
Naglu	ENSMUSG00000001751	3056.034	-0.15132	0.077545	-1.95142
Parp11	ENSMUSG00000037997	563.9944	-0.04792	0.117668	-0.40727

Apba3	ENSMUSG00000004931	1042.056	0.067777	0.107618	0.629796
Vars2	ENSMUSG00000038838	762.7222	0.002145	0.081269	0.026394
Pwwp2b	ENSMUSG00000060260	116.8983	-0.0214	0.143783	-0.14884
Spns1	ENSMUSG00000030741	1765.288	-0.01008	0.103924	-0.09698
Col2a1	ENSMUSG00000022483	42.99471	0.031865	0.13251	0.240472
Flt3l	ENSMUSG00000110206	271.4534	0.088338	0.118458	0.745727
Hibadh	ENSMUSG00000029776	1607.503	0.132175	0.086052	1.535984
Tyw1	ENSMUSG00000056310	885.0903	0.042109	0.088402	0.47634
Brpf3	ENSMUSG00000063952	1903.276	-0.10697	0.063256	-1.69101
Cdc5l	ENSMUSG00000023932	3718.489	0.017931	0.078121	0.229533
Birc6	ENSMUSG00000024073	3330.417	0.057067	0.070462	0.809896
Tm9sf4	ENSMUSG00000068040	2930.44	0.000902	0.06034	0.014948
Mrpl10	ENSMUSG00000001445	2684.41	-0.02807	0.082388	-0.34069
AU023762	ENSMUSG00000109890	48.4931	0.10603	0.144306	0.734757
Bet1	ENSMUSG00000032757	1406.908	0.022199	0.111191	0.199648
Slc35c1	ENSMUSG00000049922	2555.61	-0.09512	0.093279	-1.0197
Snu13	ENSMUSG00000063480	4328.926	0.038524	0.080125	0.480795
Asb13	ENSMUSG00000033781	1326.309	-0.0442	0.079162	-0.55834
Chd1l	ENSMUSG00000028089	474.6324	0.083048	0.108577	0.764874
Rpusd3	ENSMUSG00000051169	146.8064	0.07739	0.13215	0.585621
Slc35f5	ENSMUSG00000026342	1850.13	-0.02228	0.129212	-0.17241
Zfp768	ENSMUSG00000047371	669.3166	-0.03491	0.102628	-0.34017
Edc4	ENSMUSG00000036270	2704.821	0.001091	0.122984	0.008871
Hgsnat	ENSMUSG00000037260	876.7977	0.053372	0.10956	0.487147
Reps1	ENSMUSG00000019854	1850.155	-0.14906	0.081929	-1.81933
Thns1l	ENSMUSG00000048550	547.0104	-0.15082	0.088669	-1.7009
Heatr6	ENSMUSG00000000976	990.8004	-0.06598	0.090277	-0.7309
Tor1a	ENSMUSG00000026849	1208.458	-0.04837	0.078156	-0.61893
Trim28	ENSMUSG00000005566	10859.97	0.096456	0.095834	1.0065
Fam83b	ENSMUSG00000032358	37.12586	0.019298	0.143654	0.134334
Nup214	ENSMUSG00000001855	1957.587	0.006196	0.120842	0.051276
Plekhh3	ENSMUSG00000035172	2994.795	-0.01272	0.080219	-0.15853
Ddx3x	ENSMUSG00000000787	10308.24	0.080775	0.119266	0.677273
Vwa5b2	ENSMUSG00000046613	1569.693	-0.07025	0.128896	-0.54505
Map4	ENSMUSG00000032479	5020.366	0.28171	0.087735	3.210902
Dync1i2	ENSMUSG00000027012	3741.313	0.026103	0.054353	0.480242
Igf1r	ENSMUSG00000005533	5268.186	-0.07919	0.084036	-0.94236
Zfp598	ENSMUSG00000041130	2373.391	0.043649	0.113541	0.38444
Marcksl1	ENSMUSG00000047945	902.2537	-0.29778	0.10638	-2.79925
Lrfrn4	ENSMUSG00000045045	2547.148	-0.00257	0.102233	-0.02512
Rflnb	ENSMUSG00000020846	810.2416	0.044529	0.099638	0.446907
Dpf2	ENSMUSG00000024826	2898.192	0.083371	0.084235	0.98975
Snx5	ENSMUSG00000027423	5240.431	-0.04785	0.103518	-0.46226
Vps37c	ENSMUSG00000048832	1774.53	0.04259	0.09073	0.46941
Pcm1	ENSMUSG00000031592	2909.741	0.049542	0.130575	0.379418
Trp53i13	ENSMUSG00000044328	1075.033	0.089848	0.075332	1.192703
Sft2d3	ENSMUSG00000044982	416.6544	-0.17236	0.08499	-2.02802
Rhobtb2	ENSMUSG00000022075	694.7254	-0.12544	0.095336	-1.31574
Zfp398	ENSMUSG00000062519	769.2714	0.032769	0.07571	0.432819
Api5	ENSMUSG00000027193	5735.916	-0.0873	0.086269	-1.01191
Cog1	ENSMUSG00000018661	3523.716	-0.0986	0.068961	-1.42985
Arrdc4	ENSMUSG00000042659	217.9993	0.052498	0.144943	0.362194

C87436	ENSMUSG00000046679	633.7811	-0.04974	0.107962	-0.4607
Ppfia1	ENSMUSG00000037519	2665.569	-0.02158	0.058907	-0.3663
Gm13237	ENSMUSG00000095865	790.7879	-0.1975	0.126478	-1.56157
Abhd6	ENSMUSG00000025277	1156.768	-0.03453	0.073449	-0.47014
Mindy1	ENSMUSG00000038712	996.6997	-0.06628	0.067645	-0.97981
Ticam1	ENSMUSG00000047123	692.9458	0.017891	0.104625	0.171
Dleu2	ENSMUSG00000097589	1033.717	0.054987	0.081065	0.678308
Mapre2	ENSMUSG00000024277	4636.153	0.010887	0.071834	0.151556
Npepps	ENSMUSG00000001441	4149.017	0.07233	0.118529	0.610231
Dusp18	ENSMUSG00000047205	1002.415	0.076404	0.081059	0.942568
Tmsb10	ENSMUSG00000079523	2245.096	-0.12294	0.124556	-0.98706
Ccdc18	ENSMUSG00000056531	187.1805	0.03253	0.117854	0.276019
Stx3	ENSMUSG00000041488	1860.761	-0.15683	0.119762	-1.30953
B3gnt3	ENSMUSG00000031803	4419.822	-0.22585	0.10868	-2.0781
Gm12696	ENSMUSG00000084159	160.3418	-0.01721	0.118842	-0.14482
Oas1c	ENSMUSG00000001166	266.129	-0.04086	0.134626	-0.30347
Sf3a3	ENSMUSG00000028902	2055.53	0.135319	0.059889	2.259471
Arhgap36	ENSMUSG00000036198	554.037	0.182424	0.145091	1.257307
Gm20634	ENSMUSG00000070392	124.6424	-0.10681	0.101072	-1.05673
Gm12940	ENSMUSG00000085334	870.6174	-0.04953	0.083771	-0.59125
Top2b	ENSMUSG00000017485	2081.426	-0.14239	0.101383	-1.40445
Gm26853	ENSMUSG00000097230	125.4135	0.101771	0.11977	0.84972
Gtpbp3	ENSMUSG00000007610	566.2515	0.026978	0.101394	0.266074
Mrps2	ENSMUSG00000035772	1544.774	-0.07146	0.066791	-1.06994
Rab3ip	ENSMUSG00000064181	1359.58	0.000208	0.078559	0.002646
Cdipt	ENSMUSG00000030682	3628.353	-0.07468	0.090031	-0.82948
Afg1l	ENSMUSG00000038302	484.9284	-0.11474	0.088221	-1.30058
Rec8	ENSMUSG00000002324	1849.688	-0.11103	0.092882	-1.19541
Gtf2a2	ENSMUSG00000033543	2800.321	0.103955	0.071982	1.444172
Tceal3	ENSMUSG00000044550	1162.952	0.05182	0.094695	0.547231
Sidt2	ENSMUSG00000034908	2305.833	-0.09608	0.081497	-1.17896
Gbp7	ENSMUSG00000040253	76.79749	-0.13773	0.145768	-0.94484
Dus3l	ENSMUSG00000007603	1131.893	-0.01449	0.06633	-0.21844
Mtmr4	ENSMUSG00000018401	2803.061	0.157191	0.089838	1.749716
Ctsz	ENSMUSG00000016256	4860.899	-0.12311	0.104034	-1.18335
Grk6	ENSMUSG00000074886	1999.604	-0.04853	0.069264	-0.70067
4930452B	ENSMUSG00000021747	503.3449	-0.08385	0.08876	-0.9447
Pex13	ENSMUSG00000020283	882.4735	0.082493	0.065516	1.259122
Scnn1g	ENSMUSG00000000216	126.9509	-0.04764	0.122422	-0.38913
Epb41l2	ENSMUSG00000019978	1016.579	-0.04316	0.070807	-0.60961
Rem2	ENSMUSG00000022176	387.3284	-0.10287	0.103806	-0.99102
Noc2l	ENSMUSG00000095567	2457.67	0.032286	0.070935	0.455147
Cdc25c	ENSMUSG00000044201	1068.763	0.073645	0.07866	0.936255
2610306M	ENSMUSG000000100164	203.2973	0.014032	0.138857	0.101052
Pak1ip1	ENSMUSG00000038683	2054.024	0.126411	0.075744	1.668919
Kcnh5	ENSMUSG00000034402	75.28447	0.001837	0.130684	0.014053
Fam136a	ENSMUSG00000057497	813.3795	0.147962	0.081472	1.816115
Pycr1	ENSMUSG00000025140	1593.55	-0.06584	0.140144	-0.46979
Zfp518b	ENSMUSG00000046572	274.0658	-0.06835	0.10614	-0.64397
Nrxn3	ENSMUSG00000066392	61.19134	-0.02874	0.143314	-0.20053
Hs3st3b1	ENSMUSG00000070407	118.1689	-0.16066	0.134466	-1.19481
Nedd9	ENSMUSG00000021365	1229.294	-0.12836	0.113858	-1.12739

Pcbd2	ENSMUSG00000021496	410.8464	-0.09252	0.143611	-0.64421
Fam20b	ENSMUSG00000033557	5258.672	-0.05979	0.084885	-0.70442
Epop	ENSMUSG00000043439	532.2461	0.002301	0.111125	0.020709
Slc30a4	ENSMUSG00000111214	1230.941	-0.10047	0.068546	-1.46576
Paxbp1	ENSMUSG00000022974	2741.654	-0.12707	0.103862	-1.22348
Arhgap27	ENSMUSG00000034255	113.575	0.096617	0.135647	0.71227
Agrn	ENSMUSG00000041936	469.2255	-0.10582	0.083042	-1.27433
Tfg	ENSMUSG00000022757	3646.046	0.005772	0.084316	0.06846
Tchp	ENSMUSG00000002486	571.493	0.006627	0.086115	0.076957
Oxtr	ENSMUSG00000049112	1856.081	-0.22818	0.109499	-2.08388
Snx1	ENSMUSG00000032382	2778.307	0.050603	0.066537	0.760525
Pwp2	ENSMUSG00000032834	659.8106	0.104522	0.093879	1.113377
Bag6	ENSMUSG00000024392	7936.689	-0.02343	0.058067	-0.40343
Ankrd39	ENSMUSG00000079610	255.4242	0.05597	0.138246	0.404854
Rrm1	ENSMUSG00000030978	10675.98	0.080898	0.073947	1.093999
Rcbtb2	ENSMUSG00000022106	1004.008	-0.04493	0.130535	-0.34418
Utp23	ENSMUSG00000022313	470.0864	-0.03145	0.109636	-0.2869
Babam2	ENSMUSG00000052139	1684.168	-0.13984	0.132652	-1.0542
Rpl4	ENSMUSG00000032399	24199.6	0.104444	0.095057	1.098744
Rasa2	ENSMUSG00000032413	866.6454	0.041699	0.098692	0.422519
Mcur1	ENSMUSG00000021371	1082.735	-0.08601	0.103498	-0.83099
Tlr5	ENSMUSG00000079164	56.68827	-0.15054	0.133355	-1.12885
Ntrk3	ENSMUSG00000059146	371.9675	0.062401	0.145963	0.427516
Ech1	ENSMUSG00000053898	1260.958	0.124435	0.136881	0.909071
Cd300a	ENSMUSG00000034652	52.12159	0.152109	0.141075	1.078217
Gna12	ENSMUSG00000000149	1445.805	0.043501	0.080512	0.540304
Mrps9	ENSMUSG00000060679	1011.252	0.035155	0.089414	0.393169
Cnot7	ENSMUSG00000031601	4398.626	-0.05965	0.116309	-0.51283
Ddx11	ENSMUSG00000035842	969.4646	0.11937	0.078603	1.518646
Ugcg	ENSMUSG00000028381	1543.695	0.016245	0.090136	0.180226
Tnfrsf22	ENSMUSG00000010751	567.6641	0.049447	0.095616	0.517138
Crybg1	ENSMUSG00000019866	1390.005	-0.07996	0.090711	-0.88146
Hdgfl3	ENSMUSG00000025104	2251.077	-0.0979	0.125505	-0.78002
Cdk13	ENSMUSG00000041297	1544.98	-0.14555	0.090422	-1.6097
Ldlrad4	ENSMUSG00000024544	501.8955	-0.07781	0.109609	-0.70985
Pcf11	ENSMUSG00000041328	1748.015	-0.01114	0.057375	-0.19415
Srp68	ENSMUSG00000020780	4387.528	0.140473	0.055919	2.512065
Fbrs	ENSMUSG00000042423	2069.479	0.010824	0.098197	0.110227
Lhx4	ENSMUSG00000026468	49.88791	0.165596	0.142175	1.164736
Mrpl21	ENSMUSG00000024829	1147.045	0.086647	0.098957	0.875605
Map7d1	ENSMUSG00000028849	2992.267	0.181054	0.094278	1.920432
Unk	ENSMUSG00000020770	1312.001	-0.04057	0.089734	-0.4521
Ivns1abp	ENSMUSG00000023150	6666.713	-0.1748	0.103435	-1.68997
Supt16	ENSMUSG00000035726	3585.719	0.000472	0.061428	0.007686
Chmp5	ENSMUSG00000028419	3354.562	-0.04136	0.068697	-0.60207
Rdh10	ENSMUSG00000025921	288.1445	-0.03674	0.087657	-0.41915
Xpnpep3	ENSMUSG00000022401	384.4069	0.079796	0.125046	0.638128
Trub2	ENSMUSG00000039826	823.3139	-0.08602	0.080157	-1.0731
Stk39	ENSMUSG00000027030	295.0357	0.137891	0.134201	1.02749
Terf2ip	ENSMUSG00000033430	1339.804	0.105078	0.068961	1.523738
Camk1	ENSMUSG00000030272	618.8535	-0.01059	0.098889	-0.10709
Gm13373	ENSMUSG00000087196	500.9625	0.103727	0.145888	0.711003

Mrpl41	ENSMUSG00000036850	1119.659	0.258361	0.119971	2.153525
Tmem63a	ENSMUSG00000026519	2549.044	-0.2146	0.106132	-2.02198
Gm16026	ENSMUSG00000079455	38.05124	0.137049	0.142308	0.963047
Svop	ENSMUSG00000042078	196.2534	-0.00071	0.145709	-0.0049
C030034I2	ENSMUSG00000073374	248.3791	-0.2	0.110542	-1.80926
Ube2j2	ENSMUSG00000023286	1908.558	0.105129	0.074251	1.415858
Sel1l	ENSMUSG00000020964	3002.554	0.036884	0.087207	0.422948
Cops7a	ENSMUSG00000030127	3530.257	-0.00733	0.07576	-0.09679
Creb3	ENSMUSG00000028466	2002.206	0.112553	0.070996	1.585337
1700030K0	ENSMUSG00000052794	456.6868	-0.0254	0.116915	-0.21728
Slc8a1	ENSMUSG00000054640	242.5703	-0.22648	0.144598	-1.56627
Pkd1	ENSMUSG00000032855	2384.855	-0.06573	0.097151	-0.67657
Tatdn1	ENSMUSG00000050891	305.6068	-0.02394	0.103877	-0.23042
Asns	ENSMUSG00000029752	9107.862	0.036147	0.142269	0.254077
Ggcx	ENSMUSG00000053460	462.5931	-0.08569	0.089951	-0.95267
Ppp1r10	ENSMUSG00000039220	2393.732	-0.02944	0.085941	-0.34261
Kcnma1	ENSMUSG00000063142	322.5904	-0.03565	0.143147	-0.24903
Nup88	ENSMUSG00000040667	3507.572	0.093262	0.072388	1.28836
Kansl1l	ENSMUSG00000026004	769.5963	-0.11201	0.090605	-1.23622
Mettl1	ENSMUSG00000006732	998.8104	0.043463	0.103711	0.419077
Gapvd1	ENSMUSG00000026867	3163.759	0.037688	0.06831	0.551722
Rps12	ENSMUSG00000061983	1288.194	-0.00486	0.145994	-0.03332
Dagla	ENSMUSG00000035735	1260.306	-0.02717	0.114469	-0.23731
Uqcc3	ENSMUSG00000071654	587.6779	0.031932	0.110428	0.28917
Lrp6	ENSMUSG00000030201	1236.061	-0.09844	0.080477	-1.22318
N4bp3	ENSMUSG00000001053	358.4287	-0.01466	0.090897	-0.16128
Ecpas	ENSMUSG00000050812	3749.804	0.127509	0.081929	1.556326
Pou4f1	ENSMUSG00000048349	206.4119	-0.18626	0.133646	-1.39367
Nkx3-2	ENSMUSG00000049691	38.61528	-0.05089	0.146	-0.34854
Cadm3	ENSMUSG00000005338	455.8624	0.008467	0.132902	0.063711
Mdh2	ENSMUSG00000019179	13186.33	0.164903	0.083569	1.973256
Cstf2	ENSMUSG00000031256	3470.681	-0.04849	0.077558	-0.62526
Kifc3	ENSMUSG00000031788	888.927	-0.05461	0.107637	-0.50732
Rpp14	ENSMUSG00000023156	831.2402	-0.02812	0.092925	-0.30262
1700113A1	ENSMUSG00000096935	119.3193	-0.0442	0.134971	-0.32745
Pgghg	ENSMUSG00000062031	1034.068	0.050245	0.081982	0.612878
Capn2	ENSMUSG00000026509	3282.475	0.076086	0.095802	0.794199
Saraf	ENSMUSG00000031532	13670.41	0.064537	0.133679	0.482777
Pacsin1	ENSMUSG00000040276	1704.978	-0.02747	0.121648	-0.22579
Zfp516	ENSMUSG00000058881	2713.727	-0.00933	0.102062	-0.09145
Fbxo42	ENSMUSG00000028920	1449.35	0.060304	0.068687	0.877951
Rpap2	ENSMUSG00000033773	520.4916	-0.00809	0.081858	-0.0988
Ikzf3	ENSMUSG00000018168	218.0036	-0.02197	0.102081	-0.21523
Isl1	ENSMUSG00000042258	5529.67	-0.12541	0.104991	-1.19453
Melft	ENSMUSG00000022780	760.7735	0.115096	0.125042	0.920453
Maged1	ENSMUSG00000025151	49350.58	0.138318	0.089333	1.548334
Bhlhe41	ENSMUSG00000030256	1387.897	0.033058	0.094253	0.350739
Sgpp2	ENSMUSG00000032908	2152.584	-0.19975	0.074886	-2.66739
Ppme1	ENSMUSG00000030718	4566.508	-0.10106	0.09313	-1.08512
Atg101	ENSMUSG00000037204	796.2153	0.029675	0.098482	0.301319
Fbxo4	ENSMUSG00000022184	343.2006	-0.1231	0.099058	-1.24266
Wdr90	ENSMUSG00000073434	5029.255	0.071997	0.108889	0.6612

Catsper2	ENSMUSG00000033486	99.71072	-0.14404	0.140545	-1.02487
Zc3h12b	ENSMUSG00000035045	130.8028	-0.05911	0.136258	-0.43379
Cops3	ENSMUSG00000019373	4767.142	0.083239	0.063462	1.311639
Rbm14	ENSMUSG00000006456	2284.017	-0.02309	0.058996	-0.39141
BC034090	ENSMUSG00000033722	1734.605	0.128705	0.098291	1.309433
Itpk1	ENSMUSG00000057963	4644.182	0.034847	0.143792	0.242344
Exosc7	ENSMUSG00000025785	1396.956	0.138888	0.075874	1.830517
Tspan15	ENSMUSG00000037031	2103.109	-0.07627	0.142103	-0.5367
Nvl	ENSMUSG00000026516	1831.8	0.006587	0.07992	0.082419
Cenpi	ENSMUSG00000031262	1481.216	0.056766	0.079997	0.709604
Gtf3c2	ENSMUSG000000106864	3171.699	0.028677	0.075037	0.382175
1700066M	ENSMUSG00000038323	553.1497	-0.01004	0.109094	-0.09199
Tbccd1	ENSMUSG00000004462	747.8542	0.023344	0.071719	0.325495
Tmem120a	ENSMUSG00000039886	480.2926	0.156676	0.1147	1.365961
Prmt8	ENSMUSG00000030350	621.8417	-0.07591	0.143456	-0.52916
Cox6b1	ENSMUSG00000036751	7810.127	0.173406	0.103953	1.668117
Chd8	ENSMUSG00000053754	2853.937	0.02906	0.07969	0.364665
Rab20	ENSMUSG00000031504	39.45028	-0.03387	0.145985	-0.232
Hunk	ENSMUSG00000053414	179.7515	-0.09548	0.108229	-0.8822
Gnaq	ENSMUSG00000024639	2475.166	0.11569	0.091589	1.263149
Tff3	ENSMUSG00000024029	86.40028	-0.02514	0.138895	-0.181
Myd88	ENSMUSG00000032508	358.1241	0.045527	0.08739	0.520964
Sod1	ENSMUSG00000022982	13256.94	0.115249	0.102417	1.125291
Dcaf11	ENSMUSG00000022214	3716.834	-0.05043	0.070485	-0.71546
Zfp1	ENSMUSG00000055835	549.9673	-0.02311	0.104704	-0.22075
Ppp6r2	ENSMUSG00000036561	936.4582	0.036578	0.107116	0.341483
Ddhd1	ENSMUSG00000037697	1035.175	-0.26562	0.104286	-2.54707
Klf4	ENSMUSG0000003032	510.6968	-0.14521	0.135788	-1.06938
Sf3b2	ENSMUSG00000024853	10240.66	0.078761	0.054904	1.43453
Apba2	ENSMUSG00000030519	723.1287	-0.04824	0.140484	-0.34338
Shld1	ENSMUSG00000044991	186.2906	0.043046	0.116695	0.368877
Abcb10	ENSMUSG00000031974	680.9332	0.016592	0.107377	0.154521
Tmem110	ENSMUSG00000006526	493.0785	0.137407	0.113827	1.207161
Tmem260	ENSMUSG00000036339	704.3349	-0.17189	0.122029	-1.40859
Btbd3	ENSMUSG00000062098	751.2922	0.002977	0.114674	0.02596
Cmtm6	ENSMUSG00000032434	1885.203	0.033926	0.088489	0.38339
Mbd4	ENSMUSG00000030322	364.997	-0.04641	0.112664	-0.4119
Zfp367	ENSMUSG00000044934	3710.531	0.081298	0.133391	0.609471
Tmem243	ENSMUSG00000079659	543.8718	-0.14112	0.08472	-1.66576
Lsm1	ENSMUSG00000037296	417.1155	0.006102	0.11161	0.054675
Rnf126	ENSMUSG00000035890	2488.975	0.0485	0.122019	0.397476
Zkscan8	ENSMUSG00000063894	730.107	-0.20241	0.110251	-1.83593
Rab5b	ENSMUSG00000000711	3741.579	-0.08107	0.050266	-1.61278
Wdr53	ENSMUSG00000022787	232.152	0.070042	0.114234	0.613145
Ctdp1	ENSMUSG00000033323	981.445	0.046517	0.095689	0.486129
Tacc2	ENSMUSG00000030852	4610.905	-0.01316	0.145338	-0.09056
Haus6	ENSMUSG00000038047	1265.858	0.081487	0.094794	0.859619
Pkdcc	ENSMUSG00000024247	6345.24	0.040666	0.091029	0.446733
Ndst2	ENSMUSG00000039308	621.8817	-0.05224	0.072937	-0.71622
Nr4a2	ENSMUSG00000026826	717.081	-0.02463	0.142613	-0.17269
Akt1	ENSMUSG00000001729	6238.05	0.153533	0.066077	2.323549
1500004A	ENSMUSG00000098912	1224.303	0.170876	0.120636	1.416452

Ints3	ENSMUSG00000027933	3580.95	0.038872	0.089461	0.434516
Bmp2k	ENSMUSG00000034663	639.5477	-0.09928	0.088189	-1.12573
Zfp740	ENSMUSG00000046897	1463.957	-0.11006	0.092268	-1.19283
Mpdu1	ENSMUSG00000018761	1547.604	-0.05442	0.106843	-0.5093
Osbpl10	ENSMUSG00000040875	295.131	0.017637	0.110068	0.160237
Anks3	ENSMUSG00000022515	1117.161	0.084151	0.074405	1.130991
Zbtb6	ENSMUSG00000066798	674.5034	-0.02844	0.10383	-0.2739
Slc37a3	ENSMUSG00000029924	2281.943	0.07664	0.085872	0.892486
Bclaf1	ENSMUSG00000037608	3995.3	0.090821	0.069922	1.298889
Wsb2	ENSMUSG00000029364	6957.792	0.018129	0.062031	0.29226
Synpr	ENSMUSG00000056296	384.9202	0.001834	0.129159	0.014202
Atraid	ENSMUSG00000013622	2411.971	-0.06902	0.09816	-0.70316
Kat6b	ENSMUSG00000021767	482.8296	-0.07002	0.12133	-0.5771
Smad5	ENSMUSG00000021540	1812.441	-0.10171	0.083058	-1.22452
Pcyt1b	ENSMUSG00000035246	659.8141	-0.08554	0.092681	-0.923
Dcaf7	ENSMUSG00000049354	5791.276	-0.04467	0.077764	-0.57448
Egln2	ENSMUSG00000058709	2273.032	0.040135	0.083347	0.481542
Rsad2	ENSMUSG00000020641	113.8026	-0.03299	0.113228	-0.29138
Mtrr	ENSMUSG00000034617	767.7465	-0.07539	0.074517	-1.01169
Nim1k	ENSMUSG000000095930	200.3721	0.008044	0.141913	0.056683
Hspa1a	ENSMUSG000000091971	447.4181	0.095129	0.144845	0.656762
Yeats2	ENSMUSG00000041215	1083.937	0.010975	0.091805	0.119546
Ghr	ENSMUSG00000055737	4651.396	-0.21741	0.079621	-2.73061
Rmi1	ENSMUSG00000035367	1429.584	-0.04359	0.067513	-0.64562
Odc1	ENSMUSG00000011179	10669.19	-0.01534	0.10592	-0.14486
Aatf	ENSMUSG00000018697	809.7446	0.087781	0.099708	0.880376
Alkbh7	ENSMUSG00000002661	699.7668	0.201954	0.117437	1.719688
Sec16a	ENSMUSG00000026924	3902.522	-0.06506	0.081466	-0.79865
Fmc1	ENSMUSG00000019689	941.3457	0.354711	0.109022	3.253583
Xylb	ENSMUSG00000035769	590.8052	-0.16919	0.109679	-1.54259
Ndor1	ENSMUSG00000006471	797.3938	-0.01738	0.112007	-0.15515
Rab11a	ENSMUSG00000004771	3571.765	0.042356	0.095264	0.444619
Fam160b2	ENSMUSG00000022095	681.4182	-0.00379	0.076059	-0.04987
Gmppa	ENSMUSG00000033021	4075.128	0.015459	0.083019	0.186205
Ammecr1l	ENSMUSG00000041915	1069.321	-0.08684	0.095007	-0.91404
Ebna1bp2	ENSMUSG00000028729	1764.109	0.054579	0.071711	0.761103
Pgrmc2	ENSMUSG00000049940	3849.806	0.020851	0.077801	0.268005
Pwwp2b	ENSMUSG00000110798	116.8983	-0.0214	0.143783	-0.14884
Tnr	ENSMUSG00000015829	601.9792	-0.12161	0.136952	-0.88801
Zfp944	ENSMUSG00000033972	584.4727	-0.05987	0.097237	-0.61574
Fam110b	ENSMUSG00000049119	586.9733	0.02389	0.090379	0.264329
Gm44724	ENSMUSG000000109506	40.64718	0.114101	0.140583	0.811623
Zkscan14	ENSMUSG00000029627	223.8477	0.024577	0.119134	0.2063
Ggcx	ENSMUSG000000103019	462.5931	-0.08569	0.089951	-0.95267
Neil1	ENSMUSG00000032298	467.748	0.063071	0.108638	0.580561
Shq1	ENSMUSG00000035378	306.792	-0.06323	0.100575	-0.62868
Tubgcp6	ENSMUSG000000051786	1296.356	0.042266	0.096415	0.438377
Mxd1	ENSMUSG00000001156	440.9199	-0.07128	0.111884	-0.63708
Galr2	ENSMUSG00000020793	249.7223	0.050726	0.138215	0.367005
Rpl19	ENSMUSG00000017404	20327.85	0.083719	0.10009	0.836441
Rimbp2	ENSMUSG00000029420	11546.2	-0.03275	0.131549	-0.24898
Mfap3	ENSMUSG00000020522	1380.861	-0.08147	0.08434	-0.96595

Cnot3	ENSMUSG00000035632	3386.613	0.068342	0.078533	0.870237
Cant1	ENSMUSG00000025575	1914.529	-0.0928	0.073161	-1.26849
Aldh3a2	ENSMUSG00000010025	2033.667	0.074357	0.089405	0.831681
Scn2a	ENSMUSG00000075318	46.03123	0.032826	0.14019	0.234157
Rab4a	ENSMUSG00000019478	557.8616	0.06433	0.105852	0.607738
Ralgps1	ENSMUSG00000038831	793.8917	0.083113	0.112345	0.7398
Chuk	ENSMUSG00000025199	2079.402	-0.10537	0.090259	-1.16746
Gnao1	ENSMUSG00000031748	15656.21	0.061297	0.092989	0.659185
Rab23	ENSMUSG00000004768	1152.567	-0.08437	0.092901	-0.90819
Socs7	ENSMUSG00000038485	1464.701	0.06482	0.131716	0.492118
Dcp1b	ENSMUSG00000041477	337.2121	-0.09156	0.119476	-0.76637
Poc5	ENSMUSG00000021671	741.7876	-0.01914	0.096222	-0.19894
Ttc19	ENSMUSG00000042298	1560.256	-0.03821	0.084049	-0.45466
Nomo1	ENSMUSG00000030835	6510.325	0.059796	0.057951	1.031841
Ube2d1	ENSMUSG00000019927	842.5213	-0.0678	0.082603	-0.82078
Hnf1a	ENSMUSG00000029556	808.4648	-0.0128	0.097713	-0.13102
Kctd2	ENSMUSG00000016940	1059.785	0.11373	0.112368	1.012125
Trir	ENSMUSG00000041203	4080.467	0.074874	0.105298	0.711067
Tarbp1	ENSMUSG00000090290	299.4584	-0.15938	0.131793	-1.20933
5330417C2	ENSMUSG00000040412	7638.474	-0.14386	0.081606	-1.76285
Gfod1	ENSMUSG00000051335	133.1106	-0.02264	0.143239	-0.15807
Zfp661	ENSMUSG00000034800	164.977	-0.04458	0.13166	-0.33858
Gnl1	ENSMUSG00000024429	2568.785	0.18309	0.076578	2.390899
Arid4b	ENSMUSG00000039219	977.9382	-0.01247	0.119039	-0.10475
Spint2	ENSMUSG00000074227	7823.933	0.053007	0.099741	0.53145
Psmc14	ENSMUSG00000026914	3507.685	0.115707	0.094886	1.219436
Mrps23	ENSMUSG00000098375	877.5923	0.097183	0.089993	1.079892
Slc25a11	ENSMUSG00000014606	4441.016	-0.02692	0.083948	-0.32066
Ergic3	ENSMUSG00000005881	5660.668	-0.01563	0.105962	-0.14751
Syap1	ENSMUSG00000031357	1660.67	0.011135	0.071788	0.155116
AW554918	ENSMUSG00000033632	807.2161	0.015669	0.087581	0.178904
Map3k5	ENSMUSG00000071369	914.2072	0.060828	0.087583	0.694523
Exosc9	ENSMUSG00000027714	1209.927	0.136013	0.105008	1.295263
Zan	ENSMUSG00000079173	109.8546	0.147182	0.125308	1.174562
Pcid2	ENSMUSG00000038542	1372.088	-0.00195	0.087111	-0.02239
Fam98c	ENSMUSG00000030590	701.1517	-0.05823	0.108838	-0.53502
Nup54	ENSMUSG00000034826	1346.738	0.020856	0.09233	0.225881
1110018N	ENSMUSG00000085151	743.299	0.062952	0.10683	0.589268
Gpkow	ENSMUSG00000031148	1560.866	0.109125	0.073328	1.488184
Akna	ENSMUSG00000039158	138.4341	0.048141	0.145897	0.329964
Atp6v0a2	ENSMUSG00000038023	2231.555	0.064988	0.065286	0.995434
Ttc38	ENSMUSG00000035944	214.1242	-0.16989	0.116689	-1.45588
Prkca	ENSMUSG00000050965	3918.412	0.083538	0.089918	0.929041
Zcchc7	ENSMUSG00000035649	968.4054	-0.05481	0.089002	-0.61579
Spr	ENSMUSG00000033735	605.5807	0.044139	0.113753	0.388025
Tmem250	ENSMUSG00000087679	1534.936	-0.0782	0.087427	-0.8945
Glg1	ENSMUSG00000003316	5634.083	-0.02369	0.114844	-0.20631
Borcs7	ENSMUSG00000062376	575.3105	-0.02254	0.092348	-0.24405
Fam210a	ENSMUSG00000038121	1007.186	-0.10136	0.112816	-0.89848
Iqgap3	ENSMUSG00000028068	1890.003	-0.08805	0.066086	-1.33242
Etfrf1	ENSMUSG00000040370	567.5796	0.023198	0.104096	0.222852
Hmgb1	ENSMUSG00000066551	8247.312	-0.0977	0.087277	-1.11942

Mrps23	ENSMUSG00000023723	877.5923	0.097183	0.089993	1.079892
Scube3	ENSMUSG00000038677	49.16888	-0.06336	0.141949	-0.44636
D230025D	ENSMUSG00000031889	852.5286	0.035547	0.099986	0.355525
Tmem128	ENSMUSG00000067365	1125.492	-0.13542	0.074578	-1.8158
Creld2	ENSMUSG00000023272	2722.544	0.004263	0.099688	0.042764
Gm46223	ENSMUSG000000110720	2701.153	0.085935	0.141569	0.607018
Atp5g2	ENSMUSG00000062683	544.7061	-0.05166	0.130186	-0.39684
Cep72	ENSMUSG00000021572	229.0471	-0.21649	0.089392	-2.42179
Asap1	ENSMUSG00000022377	3620.066	-0.03805	0.084025	-0.45287
Zfp692	ENSMUSG00000037243	556.953	-0.14692	0.086137	-1.70564
Magohb	ENSMUSG00000030188	372.6924	0.005856	0.129221	0.045314
Slc25a17	ENSMUSG00000022404	1825.824	0.033788	0.084058	0.401957
Poll	ENSMUSG00000025218	838.6101	-0.10857	0.096746	-1.12227
Capn6	ENSMUSG00000067276	56.85359	0.165818	0.138001	1.201566
Eml3	ENSMUSG00000071647	1708.71	-0.01481	0.100184	-0.14782
P4htm	ENSMUSG00000006675	676.3281	-0.1593	0.109873	-1.44988
Rbm15b	ENSMUSG00000074102	2345.155	-0.08209	0.063561	-1.29155
Wdr62	ENSMUSG00000037020	1402.267	0.183139	0.117017	1.565058
Limd1	ENSMUSG00000025239	1235.125	-0.08617	0.06983	-1.23395
Snrnp25	ENSMUSG00000040767	650.9292	0.157068	0.12056	1.302824
C2300120	ENSMUSG00000046219	40.68416	0.049683	0.145957	0.340396
Thap4	ENSMUSG00000026279	899.7576	0.186056	0.099943	1.861626
Nkx6-1	ENSMUSG00000035187	8488.734	0.093318	0.07551	1.235844
Tmc4	ENSMUSG00000019734	2071.887	-0.08108	0.077218	-1.05
Rpa3	ENSMUSG00000012483	1111.712	0.05735	0.089244	0.642618
Rbm39	ENSMUSG00000027620	9217.54	0.036829	0.08206	0.448808
6820431F2	ENSMUSG00000071796	6828.485	-0.09998	0.091124	-1.0972
Zfp825	ENSMUSG00000069208	251.5102	-0.16095	0.095053	-1.69327
Pak7	ENSMUSG00000039913	49.84841	-0.05675	0.14601	-0.38866
Trappc11	ENSMUSG00000038102	3371.553	0.034794	0.091343	0.380916
Snrk	ENSMUSG00000038145	883.0212	-0.00215	0.082978	-0.02594
Qrich1	ENSMUSG00000006673	2404.391	-0.08173	0.099069	-0.82498
Acad8	ENSMUSG00000031969	609.1022	-0.02744	0.102335	-0.26818
Stard7	ENSMUSG00000027367	6537.101	0.07642	0.097191	0.786292
Tigd3	ENSMUSG00000044390	301.2727	-0.00912	0.106307	-0.08578
Chst14	ENSMUSG00000074916	186.4438	0.013914	0.118536	0.117384
Tbce	ENSMUSG00000039233	1153.586	-0.12973	0.084719	-1.53132
Man2b1	ENSMUSG00000005142	4293.18	-0.17756	0.089289	-1.98856
Nphp1	ENSMUSG00000027378	1092.893	0.001119	0.082071	0.013629
Mgat2	ENSMUSG00000043998	2327.913	0.086228	0.068835	1.252688
Fasn	ENSMUSG00000025153	11077.56	0.155454	0.127953	1.214932
Gm13889	ENSMUSG00000087006	2025.07	-0.0045	0.14076	-0.032
Arap2	ENSMUSG00000037999	448.6158	-0.1159	0.087402	-1.32607
Sppl2b	ENSMUSG00000035206	656.035	-0.02911	0.084309	-0.34531
Gtf3c1	ENSMUSG00000032777	4064.341	0.022086	0.097048	0.227576
D630045J1	ENSMUSG00000063455	1253.885	0.10364	0.094489	1.096848
Slc25a27	ENSMUSG00000023912	294.3687	-0.12699	0.111575	-1.13814
Trak2	ENSMUSG00000026028	2802.491	-0.02467	0.107816	-0.22878
Tmed1	ENSMUSG00000032180	988.8209	0.137358	0.105189	1.305825
Tomm7	ENSMUSG00000028998	1571.109	0.00969	0.114396	0.084703
Alg13	ENSMUSG00000041718	556.5961	0.005848	0.091521	0.063901
Acly	ENSMUSG00000020917	112865.4	-0.05871	0.112844	-0.52026

Fau	ENSMUSG00000038274	2441.192	0.045367	0.105227	0.431137
Faxc	ENSMUSG00000028246	517.2348	-0.10672	0.133299	-0.80058
Pdhx	ENSMUSG00000010914	866.5243	0.158724	0.083063	1.910893
Fgd6	ENSMUSG00000020021	2285.987	-0.02504	0.137427	-0.18221
Cdc123	ENSMUSG00000039128	3767.988	-0.03841	0.05672	-0.67713
Gm7334	ENSMUSG00000044645	111.301	-0.02282	0.075448	-0.30244
Rab10os	ENSMUSG00000079179	608.9399	-0.12632	0.085046	-1.4853
Eif2b3	ENSMUSG00000028683	690.7364	0.025725	0.119175	0.215857
Neurl4	ENSMUSG00000047284	2550.945	0.012225	0.101649	0.120268
Slc16a6	ENSMUSG00000041920	999.0454	-0.42075	0.084766	-4.96371
Vegfb	ENSMUSG00000024962	3114.947	0.097381	0.133491	0.729498
Cep295	ENSMUSG00000046111	1765.922	-0.00085	0.106107	-0.00805
Rnf167	ENSMUSG00000040746	2967.016	-0.08649	0.076711	-1.1275
Mtif2	ENSMUSG00000020459	1166.275	0.027697	0.073059	0.379102
Slc38a6	ENSMUSG00000044712	14396.72	0.090998	0.111688	0.814755
Ing5	ENSMUSG00000026283	1068.049	0.101939	0.060531	1.684082
Rtbdn	ENSMUSG00000048617	262.5551	0.067508	0.137845	0.489737
Acp2	ENSMUSG00000002103	1820.365	-0.05028	0.088162	-0.57029
Ppp1r7	ENSMUSG00000026275	1832.026	0.078951	0.108627	0.726812
Mus81	ENSMUSG00000024906	1183.737	0.104174	0.118047	0.882483
Rprd1b	ENSMUSG00000027651	2790.928	-0.06554	0.056771	-1.15455
Cbl	ENSMUSG00000034342	1324.176	0.015558	0.138435	0.112385
Lrp11	ENSMUSG00000019796	11781.6	0.015776	0.047428	0.332626
Prpf3	ENSMUSG00000015748	1570.69	0.13177	0.103258	1.276127
Gm38393	ENSMUSG00000000948	38.95384	0.001987	0.124057	0.016017
Ppfia3	ENSMUSG00000003863	525.5805	-0.02608	0.107656	-0.24225
Rab24	ENSMUSG00000034789	1852.461	-0.00372	0.09967	-0.0373
Mnt	ENSMUSG00000000282	1028.837	-0.0572	0.121019	-0.47262
Lsm14a	ENSMUSG00000066568	2790.634	-0.00988	0.085418	-0.11569
Plppr2	ENSMUSG00000040563	1704.665	-0.01946	0.103728	-0.18759
Snx24	ENSMUSG00000024535	472.3226	-0.05043	0.072329	-0.69729
Gm10138	ENSMUSG000000100954	109.6534	-0.05682	0.136117	-0.4174
Mettl4	ENSMUSG00000055660	159.1597	-0.01099	0.115946	-0.0948
Ccz1	ENSMUSG00000029617	2562.904	0.07457	0.062339	1.196207
Btf3l4	ENSMUSG00000028568	3628.943	0.050055	0.062075	0.806374
Rcbtb1	ENSMUSG00000035469	2407.874	-0.00862	0.070833	-0.12172
Rn7s1	ENSMUSG00000099021	679.5265	-0.03534	0.089819	-0.39345
Rn7s2	ENSMUSG00000099250	679.5265	-0.03534	0.089819	-0.39345
Lbx1	ENSMUSG00000025216	163.5793	-0.01075	0.142014	-0.07566
Pbld2	ENSMUSG00000020072	293.2819	0.150552	0.13772	1.093172
Fbxl4	ENSMUSG00000040410	631.0346	-0.11348	0.077718	-1.46019
Rnf103	ENSMUSG00000052656	1269.909	-0.06736	0.087823	-0.76701
Zfp790	ENSMUSG00000011427	347.8441	0.106042	0.099798	1.062566
Kcmf1	ENSMUSG00000055239	2472.709	0.041531	0.108296	0.383499
Krt7	ENSMUSG00000023039	15341.54	0.061479	0.072987	0.842331
Ptges2	ENSMUSG00000026820	643.8087	0.069205	0.099534	0.69529
Dnaic1	ENSMUSG00000061322	178.2165	-0.13249	0.106334	-1.24593
Casp8ap2	ENSMUSG00000028282	1500.416	0.064973	0.105005	0.618758
Ccnl2	ENSMUSG00000029068	3115.742	-0.06524	0.083194	-0.7842
Nxt2	ENSMUSG00000042271	867.4954	-0.02666	0.097531	-0.2733
Selenon	ENSMUSG00000050989	3473.98	0.02752	0.068907	0.399375
Sugp2	ENSMUSG00000036054	1645.694	0.033088	0.097705	0.338651

Gcc1	ENSMUSG00000029708	1509.418	0.003817	0.097797	0.039033
Zswim8	ENSMUSG00000021819	4151.313	-0.00612	0.087952	-0.06954
Traf3ip1	ENSMUSG00000034292	574.0674	0.047422	0.079966	0.593021
Gm49322	ENSMUSG00000035370	278.4824	0.068358	0.108289	0.631253
Atxn7	ENSMUSG00000021738	840.2399	-0.08427	0.110911	-0.7598
Foxn3	ENSMUSG00000033713	98.79589	0.125458	0.145837	0.860265
Anks1	ENSMUSG00000024219	1675.449	0.000768	0.061645	0.012456
Ufsp2	ENSMUSG00000031634	2771.723	-0.00275	0.106006	-0.02597
Ppp1r3e	ENSMUSG00000072494	366.6347	-0.14755	0.088668	-1.66403
Zc3h12c	ENSMUSG00000035164	632.6716	-0.01304	0.135197	-0.09642
Huwe1	ENSMUSG00000025261	8409.181	-0.04784	0.117912	-0.40575
Ins2	ENSMUSG00000000215	509130.1	-0.06193	0.125479	-0.49352
Myb	ENSMUSG00000019982	97.39037	-0.03599	0.142739	-0.25212
Sh3glb2	ENSMUSG00000026860	2082.117	0.054336	0.107133	0.507182
Mtmr3	ENSMUSG00000034354	2465.623	-0.03279	0.102617	-0.31951
2410004B1	ENSMUSG00000036873	549.3687	0.037707	0.100909	0.373674
Inpp5b	ENSMUSG00000028894	1282.622	-0.02956	0.106145	-0.27846
Blmh	ENSMUSG00000020840	2636.017	-0.01393	0.087561	-0.15904
Cep68	ENSMUSG00000044066	1061.031	0.077616	0.088261	0.87939
Camk2d	ENSMUSG00000053819	3373.898	0.043158	0.13421	0.321574
Hsf4	ENSMUSG00000033249	556.8537	-0.05923	0.092639	-0.63935
Leprotl1	ENSMUSG00000031513	3133.357	-0.12225	0.135055	-0.90521
Tnfrsf1a	ENSMUSG00000030341	2595.556	-0.00769	0.078664	-0.09779
Zbtb34	ENSMUSG00000068966	417.1175	0.004557	0.091389	0.049861
A430005L1	ENSMUSG00000047613	1132.162	-0.02771	0.092659	-0.29905
Brd8	ENSMUSG00000003778	3557.618	0.016435	0.056534	0.290712
Fam98b	ENSMUSG00000027349	695.7811	-0.00091	0.13471	-0.00678
Srp14	ENSMUSG00000009549	2961.162	0.03263	0.115092	0.283512
Atad3a	ENSMUSG00000029036	1160.853	0.167137	0.076625	2.181229
1700020I1	ENSMUSG00000085438	2246.222	-0.10713	0.07125	-1.50356
Atp5mpl	ENSMUSG00000021290	3504.119	0.160161	0.105937	1.511849
Tmem42	ENSMUSG00000066233	630.9775	-0.08405	0.112156	-0.74936
Ddx41	ENSMUSG00000021494	3485.294	0.001477	0.070061	0.021088
Stx1b	ENSMUSG00000030806	200.2355	0.051184	0.145551	0.351659
Fntb	ENSMUSG00000033373	970.4162	-0.07655	0.082755	-0.92496
Akr1a1	ENSMUSG00000028692	15045.48	0.07621	0.085795	0.888275
Pofut2	ENSMUSG00000020260	6022.278	0.043942	0.116704	0.376522
Wnk2	ENSMUSG00000037989	578.3535	-0.11881	0.088834	-1.33741
Prcc	ENSMUSG00000004895	1800.707	0.047025	0.06985	0.67322
Alyref	ENSMUSG00000025134	1996.566	0.098727	0.111205	0.887789
Itch	ENSMUSG00000027598	1493.574	0.060665	0.111725	0.542983
Fbxw17	ENSMUSG00000037816	389.4266	-0.06036	0.104626	-0.57688
Wdr17	ENSMUSG00000039375	165.9143	0.183818	0.128405	1.431552
Ctsl	ENSMUSG00000021477	11969.55	-0.04128	0.088753	-0.46508
Rab2b	ENSMUSG00000022159	435.0578	-0.06498	0.095682	-0.67912
Hlf	ENSMUSG00000003949	638.3368	0.169566	0.108475	1.563182
D330045A1	ENSMUSG00000042498	280.3848	0.029085	0.131982	0.220371
Cbx6	ENSMUSG00000089715	7681.982	0.086605	0.073404	1.179847
Tmem115	ENSMUSG00000010045	1301.819	-0.04336	0.078933	-0.54939
Fat1	ENSMUSG00000070047	3619.754	0.036297	0.14405	0.251977
Atp7b	ENSMUSG00000006567	230.2171	0.052027	0.144194	0.360812
5430403G1	ENSMUSG00000072763	207.3618	0.02738	0.104462	0.262103

Kdm2a	ENSMUSG000000054611	3173.129	-0.00577	0.125466	-0.04597
Tgfbrap1	ENSMUSG000000070939	1643.22	-0.06243	0.061187	-1.02039
Vegfa	ENSMUSG000000023951	12119.49	-0.09531	0.133462	-0.71411
Klhdcl1	ENSMUSG000000051890	119.077	-0.01081	0.142861	-0.07563
Mtfr1l	ENSMUSG000000046671	1728.986	0.082928	0.081329	1.019663
Klhl24	ENSMUSG000000062901	555.7137	-0.11971	0.128566	-0.93111
Prrc2a	ENSMUSG000000024393	13598.36	0.111314	0.111896	0.994796
Ube2v1	ENSMUSG000000078923	6823.282	-0.036	0.065933	-0.54601
Usf1	ENSMUSG000000026641	1024.056	-0.10404	0.082109	-1.26705
Akap1	ENSMUSG000000018428	1001.723	0.004166	0.117937	0.035326
Suc1g2	ENSMUSG000000061838	500.3479	-0.0341	0.140431	-0.24281
Adat1	ENSMUSG000000031949	315.417	-0.06055	0.112273	-0.5393
Ptpa	ENSMUSG000000039515	5760.421	0.018573	0.103518	0.179422
Cirbp	ENSMUSG000000045193	1667.228	-0.02056	0.140022	-0.14684
Pdcd2l	ENSMUSG000000002635	624.9973	-0.00055	0.097814	-0.00566
Malsu1	ENSMUSG000000029815	367.9224	0.072404	0.134529	0.538206
Kcnab2	ENSMUSG000000028931	803.7587	-0.01921	0.13861	-0.1386
Rbm43	ENSMUSG000000036249	955.7038	0.040191	0.075226	0.534262
Maneal	ENSMUSG000000042763	2011.326	-0.13904	0.058173	-2.39007
Epb41l3	ENSMUSG000000024044	6520.412	-0.02987	0.064444	-0.46347
Olfr1388	ENSMUSG000000047702	70.53924	0.12739	0.14593	0.872951
Nacad	ENSMUSG000000041073	1312.469	0.135798	0.136888	0.992035
Timm22	ENSMUSG000000020843	1000.387	0.025896	0.118502	0.218531
Prps1	ENSMUSG000000031432	4836.289	0.07341	0.10761	0.682189
Nrde2	ENSMUSG000000021179	516.478	0.051854	0.079862	0.649297
Ccser1	ENSMUSG000000039578	780.6424	0.093172	0.086118	1.081912
Pgm1	ENSMUSG000000029171	662.7991	-0.02439	0.076609	-0.31833
Ahsa2	ENSMUSG000000020288	1365.244	0.031496	0.084198	0.374069
Scarf2	ENSMUSG000000012017	320.6399	-0.02593	0.131411	-0.1973
Rc3h1	ENSMUSG000000040423	1272.703	-0.06454	0.092217	-0.69992
Ppm1g	ENSMUSG000000029147	5613.576	0.102956	0.062191	1.655477
Zfp119a	ENSMUSG000000057835	179.7071	-0.13587	0.097919	-1.3876
Thap6	ENSMUSG000000102644	370.0779	-0.17146	0.095937	-1.78722
Gm14418	ENSMUSG000000078867	192.5339	0.036005	0.101344	0.355275
Dgkq	ENSMUSG000000004815	779.7261	0.097508	0.087815	1.110378
Smim10l1	ENSMUSG000000072704	3192.537	0.067266	0.083764	0.803041
Porcn	ENSMUSG000000031169	182.6119	-0.29489	0.116079	-2.54046
Vps26b	ENSMUSG000000031988	2186.903	-0.00559	0.063419	-0.08811
Fance	ENSMUSG000000007570	622.3883	0.088833	0.126147	0.7042
Akr1b10	ENSMUSG000000061758	352.8251	0.171866	0.099969	1.719181
Zdhhc6	ENSMUSG000000024982	2044.535	-0.0608	0.05566	-1.09234
Csf2rb	ENSMUSG000000071713	91.37755	0.082784	0.111234	0.74423
Ep300	ENSMUSG000000055024	2139.838	-0.00924	0.136596	-0.06763
Znrf2	ENSMUSG000000058446	2559.979	-0.0326	0.092701	-0.35163
Cpsf2	ENSMUSG000000041781	1955.254	-0.00348	0.064379	-0.05407
Setd1a	ENSMUSG000000042308	2266.959	0.03053	0.126225	0.241867
Bnip3l	ENSMUSG000000022051	4688.983	0.027087	0.140547	0.192725
Otub2	ENSMUSG000000021203	624.3898	0.047289	0.143959	0.328493
Ctnn	ENSMUSG000000031078	4515.066	0.005832	0.082799	0.070438
Prmt5	ENSMUSG000000023110	2193.284	0.103301	0.080471	1.283698
Clpb	ENSMUSG000000001829	1501.588	0.110511	0.098923	1.117138
Zfp280d	ENSMUSG000000038535	1118.515	0.082138	0.098237	0.836118

Csrp2	ENSMUSG00000020186	384.2469	-0.01939	0.121394	-0.15973
Ank2	ENSMUSG00000032826	3294.235	0.040481	0.089971	0.449933
Fam206a	ENSMUSG00000038827	1166.661	0.035587	0.083504	0.426172
Vps11	ENSMUSG00000032127	2494.421	0.134475	0.057945	2.320746
Cdk5r2	ENSMUSG00000090071	1970.504	-0.05091	0.083147	-0.61232
Cfap298	ENSMUSG00000022972	1029.86	0.091494	0.11219	0.815521
Fzd4	ENSMUSG00000049791	291.8973	0.004815	0.100512	0.047906
Eif2b4	ENSMUSG00000029145	1562.397	0.187139	0.092105	2.031797
Mpp6	ENSMUSG00000038388	1713.511	0.149436	0.10986	1.360248
Alpk1	ENSMUSG00000028028	100.2132	-0.02253	0.145852	-0.15447
Dpp6	ENSMUSG00000061576	1665.356	0.24618	0.138115	1.78243
Spryd3	ENSMUSG00000036966	2353.151	0.136267	0.091529	1.488784
Hnrnp1	ENSMUSG00000015165	8644.568	0.009983	0.045325	0.220246
Stk3	ENSMUSG00000022329	680.6076	0.009836	0.08774	0.112108
Ino80c	ENSMUSG00000047989	1033.932	-0.03067	0.07362	-0.41655
Exoc1	ENSMUSG00000036435	1245.009	0.01172	0.09617	0.121865
Pde12	ENSMUSG00000043702	886.9346	0.040465	0.07228	0.559843
Ehmt2	ENSMUSG00000013787	4723.098	-0.00632	0.091105	-0.06937
Zdhhc20	ENSMUSG00000021969	1612.707	-0.01773	0.05701	-0.31096
2810001G	ENSMUSG00000087497	179.1418	0.135604	0.129619	1.046175
Zcchc4	ENSMUSG00000029179	362.7875	-0.1137	0.085929	-1.32319
Sdcbp	ENSMUSG00000028249	6768.04	0.040385	0.103056	0.391876
Rrnad1	ENSMUSG00000004896	915.0406	-0.10519	0.08558	-1.22913
Rgp1	ENSMUSG00000028468	1575.835	-0.22153	0.107073	-2.06899
Cnpy3	ENSMUSG00000023973	2221.364	0.055005	0.079675	0.690373
Rgl3	ENSMUSG00000040146	1089.141	0.128852	0.09262	1.391186
Cstf1	ENSMUSG00000027498	1363.229	-0.04768	0.09398	-0.50736
Rmnd5b	ENSMUSG00000001054	1062.511	0.000534	0.086871	0.006145
0610040J0	ENSMUSG00000060512	3871.155	-0.04224	0.085278	-0.4953
Rab27a	ENSMUSG00000032202	5656.02	0.085549	0.112722	0.75894
Dlgap1	ENSMUSG00000003279	540.5412	-0.07525	0.144105	-0.5222
Cxxc1	ENSMUSG00000024560	2421.077	-0.07452	0.062845	-1.1858
1110002LC	ENSMUSG00000071456	491.54	-0.17854	0.130553	-1.36755
Bmyc	ENSMUSG00000049086	716.9447	0.078155	0.102323	0.763807
Ppp4r1l-ps	ENSMUSG00000055897	968.9639	-0.02818	0.138418	-0.20358
Zc3h12d	ENSMUSG00000039981	164.1373	-0.07374	0.145984	-0.50511
Alg11	ENSMUSG00000063362	980.0882	-0.03875	0.110321	-0.35126
Spred3	ENSMUSG00000037239	307.6043	0.055168	0.112042	0.492384
Entpd5	ENSMUSG00000021236	1762.815	0.149272	0.066561	2.242633
Mtx1	ENSMUSG00000064068	1407.759	0.107679	0.082817	1.300207
Mrps35	ENSMUSG00000040112	773.799	0.151121	0.115472	1.308722
1500011K1	ENSMUSG00000051319	272.9457	0.213743	0.131685	1.623142
Plagl1	ENSMUSG00000019817	835.6062	-0.07571	0.139734	-0.54184
Gm29562	ENSMUSG000000101698	5587.269	0.06698	0.127502	0.525327
Stau2	ENSMUSG00000025920	1202.24	-0.0182	0.098158	-0.18543
Lmf2	ENSMUSG00000022614	3998.942	-0.08943	0.087983	-1.01647
Arf1	ENSMUSG00000048076	17603.09	0.01398	0.058758	0.237924
Nf2	ENSMUSG00000009073	3733.837	-0.00258	0.080765	-0.03195
Lmbrd1	ENSMUSG00000073725	1656.763	-0.13759	0.110992	-1.23968
Dock8	ENSMUSG00000052085	440.7487	-0.10991	0.114825	-0.95721
Spag7	ENSMUSG00000018287	1882.314	0.034075	0.101822	0.334656
1700030C1	ENSMUSG00000099759	440.1253	0.044833	0.098233	0.456393

Rbfox2	ENSMUSG00000033565	3335.556	0.088024	0.050586	1.740084
N4bp2l1	ENSMUSG00000041132	133.4647	-0.07407	0.137452	-0.53885
Sema3g	ENSMUSG00000021904	328.8844	0.09397	0.102222	0.919274
Tagln3	ENSMUSG00000022658	556.3513	-0.13656	0.134347	-1.01645
Stard5	ENSMUSG00000046027	294.7104	0.017888	0.141848	0.126104
Gm9978	ENSMUSG00000055704	70.70635	0.041175	0.1325	0.310755
Itfg2	ENSMUSG00000001518	855.7605	0.052233	0.095498	0.546952
Ash2l	ENSMUSG00000031575	1236.287	0.096691	0.085391	1.132338
Sf3b5	ENSMUSG00000078348	2122.995	0.070755	0.111512	0.63451
Gtf3a	ENSMUSG00000016503	2184.397	-0.02733	0.09564	-0.28574
Snrpa1	ENSMUSG00000030512	1429.43	0.196437	0.10202	1.92548
Sec11a	ENSMUSG00000025724	2685.412	0.063612	0.086071	0.73906
Dcaf8	ENSMUSG00000026554	3187.544	-0.08199	0.079089	-1.03662
Dnm2	ENSMUSG00000033335	4947.116	0.150953	0.066621	2.265858
Armcx6	ENSMUSG00000050394	290.9457	0.056919	0.145261	0.391839
Zfp607b	ENSMUSG00000057093	264.1813	0.051502	0.142464	0.361507
Tmem59	ENSMUSG00000028618	10975.3	-0.00547	0.064227	-0.08521
Tet3	ENSMUSG00000034832	1267.227	-0.03061	0.118892	-0.25743
Stn1	ENSMUSG00000042694	695.0291	0.108753	0.092958	1.169913
Gba2	ENSMUSG00000028467	1338.099	0.125303	0.059499	2.105957
Prpf8	ENSMUSG00000020850	13110.47	0.022926	0.074571	0.307442
B3gnt9	ENSMUSG00000069920	1850.188	0.011699	0.086784	0.134804
Zhx1	ENSMUSG00000022361	1601.665	0.028522	0.097605	0.292222
Rap1gds1	ENSMUSG00000028149	1864.654	0.030488	0.080874	0.376979
Zbtb21	ENSMUSG00000046962	1000.801	-0.14874	0.089029	-1.6707
Tbrg1	ENSMUSG00000011114	5680.999	0.131572	0.07592	1.733039
9330104G	ENSMUSG00000097842	73.55529	0.076118	0.135827	0.5604
Acp6	ENSMUSG00000028093	575.5065	-0.03836	0.134215	-0.28581
Mettl14	ENSMUSG00000028114	845.5591	0.047853	0.076005	0.629608
Ipp	ENSMUSG00000028696	661.4768	0.115848	0.101167	1.145122
Ap2a2	ENSMUSG0000002957	4964.655	-0.00638	0.058901	-0.10832
Pgbd5	ENSMUSG00000050751	1043.532	0.033313	0.111243	0.299466
Ttc7	ENSMUSG00000036918	532.3045	-0.04292	0.128687	-0.33351
Stox1	ENSMUSG00000036923	176.5003	0.005977	0.143507	0.041651
Nudt10	ENSMUSG00000073293	1004.817	-0.03447	0.058863	-0.58556
Peli3	ENSMUSG00000024901	204.29	-0.28945	0.143211	-2.02112
Slc7a14	ENSMUSG00000069072	12588.74	-0.08457	0.095712	-0.88362
Guf1	ENSMUSG00000029208	1209.63	-0.03603	0.084047	-0.42866
Zfp606	ENSMUSG00000030386	392.9806	-0.06406	0.100287	-0.63874
Pop1	ENSMUSG00000022325	424.5708	-0.0669	0.134044	-0.49911
Pim3	ENSMUSG00000035828	861.1355	0.13135	0.12497	1.05105
Crebzf	ENSMUSG00000051451	1458.313	0.027142	0.079988	0.339329
Zzef1	ENSMUSG00000055670	1515.76	0.002713	0.075046	0.03615
Kctd18	ENSMUSG00000054770	358.4666	-0.09669	0.101223	-0.95524
Mfsd4b4	ENSMUSG00000096687	275.3335	-0.15512	0.097305	-1.59412
Dnase1l1	ENSMUSG00000019088	282.2885	0.015297	0.104514	0.146359
Baz1b	ENSMUSG00000002748	6879.391	0.003255	0.09442	0.034474
Zdhhc24	ENSMUSG00000006463	918.8058	-0.1449	0.084666	-1.71139
Fam174a	ENSMUSG00000051185	631.6275	-0.08203	0.130892	-0.62667
Arel1	ENSMUSG00000042350	1849.394	-0.0713	0.076633	-0.9304
Slc16a10	ENSMUSG00000019838	3042.755	-0.11424	0.081841	-1.39593
Tpi1	ENSMUSG00000023456	34987.7	-0.01967	0.145685	-0.13501

Pank1	ENSMUSG00000033610	733.1712	0.02052	0.081717	0.251115
Mettl2	ENSMUSG00000020691	311.6648	-0.07385	0.095728	-0.7715
Iws1	ENSMUSG00000024384	1893.065	0.010631	0.071213	0.149283
Prorsd1	ENSMUSG00000032673	509.3271	0.090192	0.082998	1.08668
Set	ENSMUSG00000054766	6410.632	0.07733	0.072725	1.063325
Cep95	ENSMUSG00000018372	511.521	-0.08243	0.093613	-0.88056
Xxylt1	ENSMUSG00000047434	590.9235	0.100085	0.088665	1.128799
Gm2694	ENSMUSG00000097248	210.3377	-0.1571	0.124902	-1.25775
37865	ENSMUSG00000022456	1424.539	-0.09177	0.123354	-0.74399
Ehd4	ENSMUSG00000027293	627.3606	0.040794	0.11922	0.342177
Rpl35a	ENSMUSG00000060636	7684.533	0.14098	0.110283	1.278354
Rbm22	ENSMUSG00000024604	1598.943	-0.04435	0.070458	-0.62942
Cactin	ENSMUSG00000034889	1240.575	0.008073	0.086724	0.093094
Setd7	ENSMUSG00000037111	2318.348	0.093127	0.104839	0.888287
Prss35	ENSMUSG00000033491	43.54785	0.14645	0.137029	1.068749
Hspa14	ENSMUSG00000109865	2699.968	0.12707	0.06248	2.033767
Tmem184k	ENSMUSG00000009035	2777.296	-0.04241	0.101771	-0.41671
Gm9762	ENSMUSG00000037096	360.1059	-0.0693	0.137147	-0.50533
Nol4	ENSMUSG00000041923	1316.935	-0.05068	0.102703	-0.49346
Foxj2	ENSMUSG00000003154	787.6931	-0.13983	0.096497	-1.44906
Zeb1	ENSMUSG00000024238	250.1079	-0.06837	0.102735	-0.66555
Mafg	ENSMUSG00000051510	4497.305	0.003997	0.081934	0.04878
Pax4	ENSMUSG00000029706	441.2606	-0.12288	0.144685	-0.84928
Zswim7	ENSMUSG00000014243	288.199	0.015161	0.139947	0.108337
Tdrd3	ENSMUSG00000022019	557.9679	0.010368	0.108623	0.095446
Brf2	ENSMUSG00000031487	389.1881	0.098472	0.103428	0.952076
Casp2	ENSMUSG00000029863	1623.472	0.018782	0.098818	0.19007
Gm42031	ENSMUSG00000110386	499.71	0.013466	0.137593	0.097867
Rps8	ENSMUSG00000047675	14261.83	0.153836	0.112102	1.372291
Il4ra	ENSMUSG00000030748	320.2313	0.069461	0.119349	0.581998
Gm4332	ENSMUSG00000106037	958.7706	0.134042	0.134289	0.998165
Trmt1l	ENSMUSG00000053286	1175.329	0.000871	0.08671	0.010043
Rpe	ENSMUSG00000026005	1200.55	0.150511	0.066339	2.268823
Plscr1	ENSMUSG00000032369	1051.988	-0.0958	0.0836	-1.14596
Fam131a	ENSMUSG00000050821	1526.253	0.08328	0.075079	1.109239
Agtbbp1	ENSMUSG00000021557	2242.74	0.185096	0.109253	1.694197
Rpl27	ENSMUSG00000063316	1202.289	0.129518	0.116449	1.11223
Nelfcd	ENSMUSG00000016253	2262.656	0.060503	0.098453	0.614539
Slc7a7	ENSMUSG00000000958	355.6699	-0.20904	0.144545	-1.44617
Dapp1	ENSMUSG00000028159	285.8649	0.215107	0.117585	1.829378
Mat2b	ENSMUSG00000042032	1213.863	-0.1442	0.114627	-1.25803
Ifi27	ENSMUSG00000064215	4090.305	0.048632	0.128963	0.377099
Zfp970	ENSMUSG00000078866	192.1471	-0.10645	0.122895	-0.86618
Ankrd16	ENSMUSG00000047909	720.5202	-0.0371	0.088304	-0.42016
Sar1a	ENSMUSG00000020088	7786.799	0.088992	0.055589	1.600905
Smim8	ENSMUSG00000028295	490.6338	-0.05838	0.135783	-0.42995
Akip1	ENSMUSG00000031023	585.8285	0.00615	0.133474	0.046074
A430010J1	ENSMUSG00000097603	57.34929	-0.06224	0.138388	-0.44978
Tapbp1	ENSMUSG00000038213	1252.356	0.105519	0.116771	0.903637
Cds2	ENSMUSG00000058793	3953.726	0.078351	0.066181	1.183892
Gsdme	ENSMUSG00000029821	768.5805	0.073867	0.124092	0.59526
Cldn34c1	ENSMUSG00000079450	245.4606	-0.00922	0.124037	-0.07436

Yif1b	ENSMUSG00000030588	3703.56	0.070831	0.114544	0.61838
Ttll11	ENSMUSG00000026885	48.07083	0.022364	0.145097	0.154128
Hnrnpk	ENSMUSG00000021546	19117.82	-0.00878	0.068878	-0.1274
Ncln	ENSMUSG00000020238	3406.594	-0.01997	0.087615	-0.22797
Gm42715	ENSMUSG000000107023	958.2936	-0.07054	0.131694	-0.53563
Gnas	ENSMUSG00000027523	43695.69	0.066433	0.070618	0.940732
Taf12	ENSMUSG00000028899	805.4795	-0.02908	0.091142	-0.31906
Kidins220	ENSMUSG00000036333	7329.374	-0.04165	0.117615	-0.35416
Eno1	ENSMUSG00000063524	76387.94	0.022225	0.145964	0.152265
Zbtb25	ENSMUSG00000056459	404.6621	0.127632	0.096217	1.326508
Trim8	ENSMUSG00000025034	1016.131	0.064865	0.083613	0.775785
Supt20	ENSMUSG00000027751	1394.732	0.077165	0.079565	0.969839
Cpt2	ENSMUSG00000028607	1180.587	-0.01009	0.09279	-0.10871
Sybu	ENSMUSG00000022340	597.1785	0.082555	0.085265	0.968216
Map7d2	ENSMUSG00000041020	1703.223	0.009173	0.100102	0.091637
Yaf2	ENSMUSG00000022634	1290.842	0.015836	0.077334	0.204771
Rnf19b	ENSMUSG00000028793	1817.321	0.096196	0.09651	0.996746
Bcat1	ENSMUSG00000030268	1006.969	0.168021	0.132821	1.265016
Tcaim	ENSMUSG00000046603	296.1434	0.088575	0.117359	0.754735
Sec24c	ENSMUSG00000039367	5328.323	0.027782	0.079338	0.350175
Bcap29	ENSMUSG00000020650	458.1789	-0.07581	0.127738	-0.59349
Gpank1	ENSMUSG00000092417	494.6593	0.092327	0.110031	0.8391
Bola1	ENSMUSG00000015943	546.3207	-0.01253	0.100523	-0.12467
Frmd5	ENSMUSG00000027238	2078.405	0.043486	0.105122	0.413671
Mrpl35	ENSMUSG00000052962	788.3471	0.198766	0.104059	1.910135
Gria3	ENSMUSG00000001986	950.4119	0.090152	0.134705	0.669258
Kcnj6	ENSMUSG00000043301	56.04174	-0.03781	0.145834	-0.25925
Nxf1	ENSMUSG00000010097	5173.053	0.056259	0.114495	0.49137
Phactr1	ENSMUSG00000054728	1694.385	0.162921	0.132589	1.228765
Creb3l3	ENSMUSG00000035041	200.8496	0.157009	0.110627	1.419267
Zfp94	ENSMUSG00000074282	210.2876	-0.02014	0.11167	-0.18034
Wdr5b	ENSMUSG00000034379	322.0031	0.114638	0.106579	1.07561
Faf2	ENSMUSG00000025873	2565.695	0.021824	0.059486	0.366876
Cox7a2l	ENSMUSG00000024248	6769.273	0.059259	0.103967	0.569981
Gm10941	ENSMUSG00000078444	364.6306	0.128616	0.118824	1.082405
Gm4631	ENSMUSG00000078899	3611.704	0.076706	0.08787	0.872942
Mypop	ENSMUSG00000048481	955.217	0.076414	0.088714	0.861355
Zdhhc13	ENSMUSG00000030471	1857.687	-0.1148	0.118846	-0.96592
Pnrc1	ENSMUSG00000040128	949.3447	-0.15709	0.145859	-1.07704
Bsg	ENSMUSG00000023175	44394.73	-0.05033	0.12675	-0.39705
Smchd1	ENSMUSG00000024054	2686.921	0.075019	0.07459	1.005747
Strip2	ENSMUSG00000039629	236.5455	-0.05392	0.114336	-0.47157
Stxbp3	ENSMUSG00000027882	777.9432	-0.03352	0.096108	-0.34882
Zcchc9	ENSMUSG00000021621	791.2968	-0.05797	0.101335	-0.57203
Paip2b	ENSMUSG00000045896	4761.973	-0.02457	0.087419	-0.2811
Actl6b	ENSMUSG00000029712	749.7361	-0.05012	0.103705	-0.48332
Sdf2l1	ENSMUSG00000022769	2786.966	0.008007	0.104002	0.07699
Adcy9	ENSMUSG00000005580	915.7869	0.05304	0.135435	0.391629
Nab1	ENSMUSG00000002881	1955.606	0.013873	0.143908	0.096405
Nat2	ENSMUSG00000051147	144.3543	-0.08194	0.110141	-0.74395
Ccdc32	ENSMUSG00000039983	519.7704	0.078494	0.100763	0.778995
Mrpl57	ENSMUSG00000021967	1574.362	0.061987	0.104979	0.590469

Dnmt3a	ENSMUSG00000020661	5946.398	0.135135	0.117617	1.148932
Dnajb14	ENSMUSG00000074212	1994.34	0.094904	0.111172	0.853673
Eid2b	ENSMUSG00000070705	392.9432	-0.04334	0.121274	-0.35736
Ccdc25	ENSMUSG00000022035	1509.553	0.09231	0.071425	1.29242
Tjap1	ENSMUSG00000012296	1077.325	-0.06449	0.075995	-0.84859
Kti12	ENSMUSG00000073775	802.7112	0.063407	0.091516	0.692854
Twf1	ENSMUSG00000022451	3555.017	-0.01303	0.058473	-0.22287
Rab1b	ENSMUSG00000024870	5995.427	0.084613	0.10425	0.811631
Foxk1	ENSMUSG00000056493	788.0553	-0.09406	0.101202	-0.92945
Prcp	ENSMUSG00000061119	532.9152	0.065037	0.111364	0.583998
Zfp184	ENSMUSG00000006720	167.1471	-0.00368	0.122023	-0.03017
Xpo1	ENSMUSG00000020290	6387.181	0.09747	0.100618	0.968716
Nyap2	ENSMUSG00000054976	185.1019	-0.07087	0.145849	-0.48594
Itgb1	ENSMUSG00000025809	8407.523	-0.12638	0.065594	-1.92667
Denr	ENSMUSG00000023106	3402.4	0.069893	0.094994	0.735759
Chmp1a	ENSMUSG00000000743	2796.898	0.049956	0.068897	0.725082
Tmem161k	ENSMUSG00000035762	704.0626	-0.00913	0.086938	-0.10497
Slit1	ENSMUSG00000025020	777.1227	0.063048	0.135068	0.466791
Arhgdig	ENSMUSG00000073433	940.0638	-0.02972	0.101017	-0.2942
Mrpl39	ENSMUSG00000022889	1585.036	0.059408	0.06799	0.873773
Idua	ENSMUSG00000033540	766.1306	-0.11926	0.130934	-0.91081
Tmem8	ENSMUSG00000024180	2188.551	-0.18331	0.105258	-1.74158
Rhbdd1	ENSMUSG00000026142	1021.568	-0.04722	0.126071	-0.37452
Cds1	ENSMUSG00000029330	1183.385	0.133293	0.12778	1.043144
Nudt14	ENSMUSG0000002804	973.4521	0.024494	0.1389	0.176342
Adcy6	ENSMUSG00000022994	1795.424	3.35E-05	0.079648	0.00042
Fam208a	ENSMUSG00000040651	1290.709	-0.04742	0.104648	-0.45318
Gm1821	ENSMUSG00000044285	5031.379	0.084046	0.092134	0.912214
Pkd2	ENSMUSG00000034462	1624.312	-0.0529	0.083521	-0.63342
Hspbp1	ENSMUSG00000063802	2903.996	0.294878	0.102611	2.873743
Gm4316	ENSMUSG00000110537	3088.119	0.134424	0.103266	1.30172
Wbp1l	ENSMUSG00000047731	1454.034	-0.00885	0.08781	-0.10077
Gm15506	ENSMUSG00000086477	72.23141	0.101859	0.145003	0.702466
Map6	ENSMUSG00000055407	2173.552	0.109534	0.055977	1.956787
Rbms1	ENSMUSG00000026970	319.4041	-0.14883	0.125241	-1.18834
Rab11fip2	ENSMUSG00000040022	579.4114	-0.24392	0.099974	-2.43985
Dgcr6	ENSMUSG00000003531	644.9926	0.144256	0.132261	1.090696
Ctu2	ENSMUSG00000049482	748.7001	0.067563	0.100182	0.674399
Lin7b	ENSMUSG00000003872	122.1849	0.033231	0.142467	0.233257
Herc4	ENSMUSG00000020064	1175.037	-0.07267	0.077554	-0.93703
Tmem215	ENSMUSG00000046593	2972.637	-0.0054	0.072768	-0.07414
Cdk9	ENSMUSG00000009555	1826.044	-0.03834	0.076308	-0.50242
Cdk5r1	ENSMUSG00000048895	324.9305	-0.1296	0.098699	-1.31311
Castor2	ENSMUSG00000015944	7912.773	-0.04719	0.123093	-0.38334
Clpx	ENSMUSG00000015357	1583.498	-0.04626	0.078754	-0.58741
Trmt10c	ENSMUSG00000044763	779.1774	0.006962	0.084498	0.082387
Anapc2	ENSMUSG00000026965	3198.129	0.128463	0.060972	2.106928
Ier3	ENSMUSG00000003541	335.5857	-0.05103	0.143955	-0.35447
Actr1a	ENSMUSG00000025228	4766.244	0.21374	0.086134	2.481487
Smarchb1	ENSMUSG00000000902	2527.408	0.032348	0.096129	0.336501
Mgarp	ENSMUSG00000037161	471.7533	-0.01287	0.136252	-0.09443
Trappc8	ENSMUSG00000033382	2051.945	-0.04469	0.116627	-0.38323

Ctnnd2	ENSMUSG00000022240	1161.321	-0.0554	0.077501	-0.71477
Tep1	ENSMUSG00000006281	770.9342	0.037705	0.098441	0.38302
Exoc8	ENSMUSG00000074030	758.1074	0.069443	0.069784	0.995105
Zdhhc16	ENSMUSG00000025157	2244.658	0.058798	0.084065	0.699437
Bcor	ENSMUSG00000040363	2322.836	-0.08368	0.080685	-1.03711
Farp1	ENSMUSG00000025555	1939.946	-0.00768	0.095244	-0.08067
Naa30	ENSMUSG00000036282	1275.981	0.013344	0.106846	0.124886
Paox	ENSMUSG00000025464	339.6445	-0.03934	0.116825	-0.3367
Setd3	ENSMUSG00000056770	5932.355	0.154531	0.059952	2.577566
Mtmr2	ENSMUSG00000031918	1700.583	0.072858	0.073021	0.997774
Sdc2	ENSMUSG00000022261	1793.506	0.016107	0.084766	0.190019
Adgrl1	ENSMUSG00000013033	5172.358	-0.03413	0.117747	-0.28983
Ftsj3	ENSMUSG00000020706	1998.855	0.285216	0.080145	3.558726
Nfkbia	ENSMUSG00000021025	878.9436	-0.17807	0.10901	-1.63355
Rel2	ENSMUSG00000044024	325.9733	0.025287	0.141594	0.178585
Foxp2	ENSMUSG00000029563	1158.929	0.176569	0.102918	1.715635
Celf5	ENSMUSG00000034818	185.5141	0.056025	0.120441	0.465163
Perp	ENSMUSG00000019851	1051.81	-0.03152	0.091271	-0.34539
Tmx4	ENSMUSG00000034723	4724.662	0.051637	0.082579	0.625311
Lysmd2	ENSMUSG00000032184	1031.733	-0.05686	0.084215	-0.6752
Kxd1	ENSMUSG00000055553	1023.587	0.029698	0.102078	0.290935
Commd10	ENSMUSG00000042705	861.3744	0.096437	0.079464	1.213599
Tmco6	ENSMUSG00000006850	369.8484	-0.07	0.094232	-0.74282
Adar	ENSMUSG00000027951	1428.604	-0.0437	0.107486	-0.40652
Ppp4r3b	ENSMUSG00000020463	2066.345	0.157229	0.079273	1.983399
Arhgap23	ENSMUSG00000049807	877.6454	0.197087	0.075438	2.612581
Btbd2	ENSMUSG00000003344	2155.497	0.074011	0.114498	0.646393
Rpl11	ENSMUSG00000059291	9825.969	0.156554	0.104053	1.504569
Mmadhc	ENSMUSG00000026766	2846.417	0.062027	0.072611	0.854236
H2-D1	ENSMUSG00000073411	14220.3	-0.09014	0.108242	-0.8328
Szrd1	ENSMUSG00000040842	3047.135	-0.00684	0.069263	-0.09869
Myg1	ENSMUSG00000001285	2292.317	0.113377	0.09907	1.14442
Hs3st2	ENSMUSG00000046321	578.9824	0.010242	0.145824	0.070233
Mn1	ENSMUSG00000070576	43.09515	-0.05951	0.139029	-0.42805
4930488L2	ENSMUSG00000097520	48.32936	0.086951	0.140027	0.620961
Mrpl47	ENSMUSG00000037531	708.5643	0.06242	0.101305	0.616154
Zdhhc12	ENSMUSG00000015335	878.8505	0.055866	0.100936	0.553484
Pbx4	ENSMUSG00000031860	585.1573	0.150671	0.121614	1.238927
Mnx1	ENSMUSG00000001566	1264.978	-0.15296	0.126444	-1.20972
Wdr44	ENSMUSG00000036769	431.0303	0.103724	0.119795	0.865843
Nol12	ENSMUSG00000033099	1159.027	-0.00861	0.099891	-0.08618
Clk4	ENSMUSG00000020385	1499.804	0.003623	0.115295	0.031422
Akap13	ENSMUSG00000066406	937.2189	-0.00125	0.096853	-0.01293
Slc31a2	ENSMUSG00000066152	351.533	-0.0361	0.133701	-0.27
Zfp62	ENSMUSG00000046311	1162.043	-0.09613	0.125815	-0.76403
Hsp90b1	ENSMUSG00000020048	41052.5	0.000839	0.088586	0.009467
Maged2	ENSMUSG00000025268	3294.991	0.184974	0.112303	1.647104
Scd1	ENSMUSG00000037071	4716.913	0.142288	0.124368	1.144088
Msr1	ENSMUSG00000075705	806.1054	0.008177	0.099854	0.081893
Ube4a	ENSMUSG00000059890	2494.331	-0.00064	0.094663	-0.00673
Nenf	ENSMUSG00000037499	1110.828	-0.03017	0.136987	-0.22023
1700008J0	ENSMUSG000000101225	422.6874	-0.05878	0.11505	-0.51091

Efr3a	ENSMUSG00000015002	3075.568	-0.03451	0.096364	-0.35813
Tet2	ENSMUSG00000040943	1102.412	-0.07832	0.123469	-0.63433
Gm14305	ENSMUSG00000078878	356.4779	0.102571	0.110261	0.93026
Gm20342	ENSMUSG000000101599	181.7341	0.152808	0.113064	1.351519
Eif3a	ENSMUSG000000024991	9119.532	0.066269	0.103602	0.63965
Tmsb4x	ENSMUSG00000049775	7991.338	-0.22083	0.102375	-2.15704
Clta	ENSMUSG00000028478	7280.32	0.138244	0.103475	1.336019
4933404O	ENSMUSG000000097908	583.6893	0.169121	0.127803	1.323298
Adgb	ENSMUSG00000050994	293.065	-0.04497	0.126048	-0.35677
Gdpgp1	ENSMUSG00000050973	301.3689	-0.13365	0.103103	-1.29628
Abcc3	ENSMUSG00000020865	201.7645	-0.05336	0.144471	-0.36936
Ins1	ENSMUSG00000035804	172748.7	-0.16407	0.134649	-1.21848
Gtpbp10	ENSMUSG00000040464	485.605	0.047029	0.083909	0.560482
Eprs	ENSMUSG00000026615	7113.944	0.068313	0.09958	0.686009
Rmdn1	ENSMUSG00000028229	306.619	-0.03556	0.099185	-0.35857
Zfp410	ENSMUSG00000042472	1370.358	-0.06293	0.054346	-1.15802
Lhx1os	ENSMUSG00000087211	342.4919	-0.09046	0.126356	-0.71593
Tceal9	ENSMUSG00000042712	19084.29	0.125707	0.078464	1.602088
Ccdc22	ENSMUSG00000031143	1291.238	0.06962	0.106552	0.653389
Tmem192	ENSMUSG00000025521	1302.732	-0.02596	0.121265	-0.21407
Ptpn23	ENSMUSG00000036057	2910.993	0.099138	0.089987	1.101692
B230307C2	ENSMUSG00000080717	70.36494	0.122751	0.145935	0.841135
Srpk2	ENSMUSG00000062604	4228.823	0.102629	0.113333	0.905556
Gm45495	ENSMUSG000000106981	196.4156	-0.12705	0.118837	-1.06911
2010111I0	ENSMUSG00000021458	1258.26	0.001548	0.105406	0.014687
Grk5	ENSMUSG00000003228	1008.042	-0.0833	0.143025	-0.5824
0610030E2	ENSMUSG00000058706	321.2149	-0.18402	0.10049	-1.83126
4833439L1	ENSMUSG00000025871	7165.633	-0.0836	0.067809	-1.23289
Ccdc88c	ENSMUSG00000021182	182.9016	-0.19809	0.141959	-1.39538
Mprip	ENSMUSG00000005417	6774.367	0.028571	0.056098	0.509317
Fn3krp	ENSMUSG00000039253	357.4187	0.151308	0.118668	1.275062
Erich3	ENSMUSG00000078161	1045.161	0.100086	0.126153	0.793369
Tenm3	ENSMUSG00000031561	3874.827	-0.0024	0.12817	-0.01874
AW146154	ENSMUSG00000074166	181.53	0.137074	0.118473	1.157004
Tra2a	ENSMUSG00000029817	3138.288	0.001428	0.063743	0.022404
Syt14	ENSMUSG00000031255	8192.644	-0.16141	0.107009	-1.50841
C130071C0	ENSMUSG00000050334	209.8246	0.060057	0.115786	0.51869
Evi5l	ENSMUSG00000011832	928.6436	0.145223	0.117065	1.240538
Clip2	ENSMUSG00000063146	676.3469	0.22084	0.077534	2.848275
Uggt1	ENSMUSG00000037470	10391.83	0.095762	0.09842	0.972996
Atf1	ENSMUSG00000023027	1128.338	-0.1033	0.101911	-1.01362
Slc6a19	ENSMUSG00000021565	200.835	-0.07661	0.142981	-0.53582
Utp3	ENSMUSG00000070697	1792.102	0.064438	0.07632	0.844315
Ube3c	ENSMUSG00000039000	6289.405	-0.14794	0.086628	-1.7078
Xpnpep1	ENSMUSG00000025027	3201.718	0.001022	0.085377	0.011976
Fem1a	ENSMUSG00000043683	2682.858	-0.0034	0.064627	-0.05254
Cplx2	ENSMUSG00000025867	7489.856	-0.1283	0.142476	-0.90047
Stk11	ENSMUSG00000003068	2939.383	0.016141	0.068529	0.235532
Myo16	ENSMUSG00000039057	259.5161	0.241717	0.132388	1.82582
Rnf165	ENSMUSG00000025427	128.8185	-0.09764	0.140578	-0.69459
Hspa2	ENSMUSG00000059970	547.8915	0.082778	0.109058	0.75903
Mpzl3	ENSMUSG00000070305	47.47469	0.169174	0.14087	1.200916

Tmem151a	ENSMUSG00000061451	700.0193	-0.00672	0.127138	-0.05288
Atp13a2	ENSMUSG00000036622	1850.493	-0.06113	0.091415	-0.66875
Gnai2	ENSMUSG00000032562	8811.416	-0.05552	0.12579	-0.4414
Klhl7	ENSMUSG00000028986	3312.207	-0.03837	0.095415	-0.4021
Ubr4	ENSMUSG00000066036	18099.98	0.15237	0.091732	1.661027
Zfp932	ENSMUSG00000066613	969.0222	0.025949	0.097918	0.265005
Abcd4	ENSMUSG00000021240	216.4778	0.014043	0.092687	0.151511
Mrps17	ENSMUSG00000034211	1934.551	0.033539	0.089947	0.372871
Nup188	ENSMUSG00000052533	2255.061	0.055337	0.079318	0.69766
Cntfr	ENSMUSG00000028444	5622.938	0.26126	0.072904	3.58364
Hexdc	ENSMUSG00000039307	1075.867	0.096648	0.083331	1.159804
Osbpl8	ENSMUSG00000020189	890.9843	-0.02306	0.113131	-0.20386
0610030E2	ENSMUSG00000108680	321.2149	-0.18402	0.10049	-1.83126
Abhd3	ENSMUSG00000002475	298.2322	0.041757	0.113668	0.367356
Jmjd8	ENSMUSG00000025736	1738.237	-0.04808	0.070853	-0.67853
Psap	ENSMUSG00000004207	47294.51	-0.0137	0.05641	-0.24283
Dtwd2	ENSMUSG00000024505	80.46168	0.050677	0.131403	0.385658
Mettl18	ENSMUSG00000041396	169.7396	0.024065	0.107268	0.224344
Kdm6b	ENSMUSG00000018476	1636.391	-0.09559	0.139851	-0.68354
Kif7	ENSMUSG00000050382	70.79826	0.099014	0.138467	0.715076
Ccni	ENSMUSG00000063015	9223.514	-0.17297	0.069707	-2.4814
Sbds	ENSMUSG00000025337	1478.866	0.028887	0.087229	0.331159
Aimp1	ENSMUSG00000028029	1899.93	0.12065	0.093225	1.294173
Mtr	ENSMUSG00000021311	430.3385	-0.02276	0.117159	-0.19428
Apod	ENSMUSG00000022548	114.9453	0.07859	0.134066	0.586203
Ssbp3	ENSMUSG00000061887	1994.065	-0.01983	0.06914	-0.2868
Rnase4	ENSMUSG00000021876	12324.95	-0.07031	0.062437	-1.12606
Gtf3c3	ENSMUSG00000041303	996.6096	0.008764	0.081248	0.107872
Grb7	ENSMUSG00000019312	1324.787	-0.02427	0.079191	-0.30641
Fam104a	ENSMUSG00000041629	2426.152	0.084561	0.084239	1.003825
Cr1l	ENSMUSG00000016481	636.0064	-0.1027	0.112544	-0.91258
Swsap1	ENSMUSG00000051238	714.7781	-0.08905	0.088455	-1.00674
Gm16286	ENSMUSG00000024571	2920.223	-0.04165	0.103838	-0.40108
Ppcs	ENSMUSG00000028636	426.4826	0.063561	0.128422	0.494937
Rab28	ENSMUSG00000029128	2191.817	0.051254	0.053222	0.963026
Xiap	ENSMUSG00000025860	1928.352	-0.06787	0.086354	-0.78593
Sdhaf4	ENSMUSG00000026154	451.3474	0.031492	0.133219	0.236394
Cramp1l	ENSMUSG00000038002	1029.554	-0.06818	0.109425	-0.62305
Ociad2	ENSMUSG00000029153	2225.122	0.042521	0.138231	0.307609
Zfp84	ENSMUSG00000046185	335.6804	-0.06185	0.116533	-0.53074
Cyp39a1	ENSMUSG00000023963	627.1874	-0.00944	0.083379	-0.11323
Jmjd6	ENSMUSG00000056962	2708.096	0.021859	0.13977	0.156397
Zc3h8	ENSMUSG00000027387	361.3555	0.021346	0.085531	0.249564
Fbn1	ENSMUSG00000027204	88.54036	0.0643	0.145307	0.442512
Abca1	ENSMUSG00000015243	209.6202	-0.14645	0.143446	-1.02094
Sntg2	ENSMUSG00000020672	84.15437	0.009679	0.145791	0.066388
Tmem222	ENSMUSG00000028857	1584.576	-0.01936	0.084045	-0.23031
Hdgfl2	ENSMUSG00000002833	2486.68	0.093504	0.063898	1.463326
Ikbkap	ENSMUSG00000028431	1930.51	0.115679	0.102875	1.124462
Hpgds	ENSMUSG00000029919	152.99	-0.09813	0.137486	-0.71376
Gm45351	ENSMUSG00000092178	367.4803	-0.00023	0.102834	-0.00223
Gm9938	ENSMUSG00000054178	72.89117	0.03646	0.145177	0.251142

Emc3	ENSMUSG00000030286	2622.956	0.024538	0.073893	0.332069
Cenpe	ENSMUSG00000045328	3050.076	0.132971	0.097339	1.366065
Als2	ENSMUSG00000026024	1793.237	0.069052	0.087493	0.789229
Slc46a1	ENSMUSG00000020829	259.5608	0.016968	0.108554	0.15631
Txndc5	ENSMUSG00000038991	3874.398	0.069081	0.065746	1.05072
D930016D1	ENSMUSG00000097392	790.4008	0.092164	0.11801	0.780984
Mlf1	ENSMUSG00000048416	281.043	0.076235	0.127057	0.600005
Prkx	ENSMUSG00000035725	1121.949	-0.13581	0.112409	-1.20818
Eif3b	ENSMUSG00000056076	7513.787	0.123579	0.073531	1.680631
Fam20a	ENSMUSG00000020614	1485.548	-0.03857	0.110845	-0.34795
Lemd3	ENSMUSG00000048661	861.08	-0.06874	0.104638	-0.65692
Eri3	ENSMUSG00000033423	2261.958	0.110066	0.078045	1.410299
Ado	ENSMUSG00000057134	2095.277	-0.03067	0.069188	-0.4433
Anapc11	ENSMUSG00000025135	3770.939	0.051184	0.085024	0.601992
Rbm38	ENSMUSG00000027510	320.764	-0.04304	0.145994	-0.2948
2010204K1	ENSMUSG00000063018	108.7443	0.167632	0.142467	1.176637
Cops5	ENSMUSG00000025917	3674.627	0.131573	0.094755	1.388562
Ccdc183	ENSMUSG00000026940	110.8098	0.011764	0.140705	0.083611
Zgrf1	ENSMUSG00000051278	835.1568	0.009367	0.121592	0.077033
Slc4a8	ENSMUSG00000023032	1111.281	-0.08982	0.128298	-0.7001
Pwp1	ENSMUSG00000001785	1202.397	-0.02468	0.061395	-0.40207
Stx16	ENSMUSG00000027522	3414.995	-0.137	0.106882	-1.28177
Akirin2	ENSMUSG00000028291	1190.655	-0.05579	0.080385	-0.69406
Shb	ENSMUSG00000044813	747.2233	-0.00859	0.106828	-0.08037
Ibtk	ENSMUSG00000035941	2888.348	-0.02944	0.105321	-0.27957
Fundc1	ENSMUSG00000025040	700.1545	-0.02886	0.073693	-0.39165
Ttll5	ENSMUSG00000012609	877.2616	-0.0257	0.096308	-0.26686
Ifngr1	ENSMUSG00000020009	819.1616	-0.0398	0.129248	-0.30795
Fbxw2	ENSMUSG00000035949	1995.764	0.009266	0.057408	0.161403
Srcap	ENSMUSG00000053877	2707.134	0.043942	0.117497	0.373986
Bcl7b	ENSMUSG00000029681	1373.335	0.057233	0.07755	0.73801
Tph2	ENSMUSG00000006764	126.2214	-0.08601	0.140481	-0.61222
Chid1	ENSMUSG00000025512	2020.526	0.094895	0.098845	0.960038
Arc	ENSMUSG00000022602	439.133	-0.24222	0.140724	-1.72123
Siae	ENSMUSG00000001942	1457.301	0.032445	0.101923	0.318324
Taf9b	ENSMUSG00000047242	1200.07	-0.07256	0.125802	-0.57676
Cttnbp2nl	ENSMUSG00000062127	323.0406	0.049515	0.097622	0.507214
BC004004	ENSMUSG00000052712	4367.832	-0.0859	0.106612	-0.80573
Ttc14	ENSMUSG00000027677	2088.244	-0.04332	0.095543	-0.45337
Pck2	ENSMUSG00000040618	5223.062	0.003675	0.140477	0.026163
Pibf1	ENSMUSG00000022064	369.5909	0.008008	0.089332	0.08964
Gm16344	ENSMUSG000000084824	149.5672	0.313206	0.125154	2.502567
Sorbs2	ENSMUSG00000031626	19283.14	-0.09679	0.13227	-0.73178
Phf23	ENSMUSG00000018572	1218.512	0.061104	0.107213	0.569931
Slc2a13	ENSMUSG00000036298	808.6669	0.094109	0.144394	0.651754
Fbxl6	ENSMUSG00000022559	1183.919	0.040637	0.073737	0.55111
Btg2	ENSMUSG00000020423	2473.317	-0.22703	0.134519	-1.68774
Sec23ip	ENSMUSG00000055319	2345.16	0.080921	0.080386	1.006658
Spag5	ENSMUSG00000002055	3251.711	0.071043	0.091341	0.777782
Slc7a3	ENSMUSG00000031297	285.6795	0.015577	0.115722	0.134605
Nme7	ENSMUSG00000026575	469.6002	0.218603	0.101359	2.156726
Tedc2	ENSMUSG00000024118	984.8526	0.041013	0.069523	0.589923

Hhat	ENSMUSG00000037375	289.302	0.126471	0.123493	1.024118
Ptprn2	ENSMUSG00000056553	7093.617	0.055668	0.127896	0.43526
Mvp	ENSMUSG00000030681	1626.716	0.224125	0.1344	1.667596
Lcorl	ENSMUSG00000015882	1546.871	-0.14165	0.138654	-1.02159
Sin3a	ENSMUSG00000042557	2053.535	-0.07283	0.085269	-0.85413
Rilpl2	ENSMUSG00000029401	580.6745	0.238447	0.107103	2.226325
Nom1	ENSMUSG00000001569	1199.085	0.024865	0.080553	0.308681
Hdac6	ENSMUSG000000031161	4110.791	0.029455	0.096168	0.306284
Helz2	ENSMUSG00000027580	721.2968	-0.12543	0.119418	-1.05035
Cited2	ENSMUSG00000039910	2240.915	-0.15622	0.140748	-1.1099
Gm14443	ENSMUSG00000078902	361.66	0.040328	0.117218	0.344038
Cnppd1	ENSMUSG00000033159	1455.781	-0.01455	0.11707	-0.12426
Pccb	ENSMUSG00000032527	1783.502	0.156604	0.128697	1.216848
Atp2c1	ENSMUSG00000032570	5820.163	0.034747	0.09808	0.354274
Ppan	ENSMUSG00000004100	1068.032	0.027008	0.080826	0.334146
Ube2d-ps	ENSMUSG00000083844	506.6134	0.015099	0.107014	0.141091
Pcnx4	ENSMUSG00000034501	595.9668	-0.02831	0.112502	-0.25168
Tdg	ENSMUSG00000034674	2673.314	0.064318	0.072655	0.885258
Zfp13	ENSMUSG00000062012	453.0722	0.094071	0.080569	1.167587
Jak2	ENSMUSG00000024789	758.511	-0.17376	0.07996	-2.17306
Cdkl5	ENSMUSG00000031292	708.2853	-0.00807	0.103774	-0.07775
Ppid	ENSMUSG00000027804	2828.567	0.101079	0.064789	1.560126
Grb2	ENSMUSG00000059923	2797.802	0.119085	0.097245	1.224593
Utp20	ENSMUSG00000004356	991.0577	0.008884	0.09353	0.094981
Fadd	ENSMUSG00000031077	630.985	-0.01235	0.087799	-0.1407
Tldc1	ENSMUSG00000034105	264.1367	-0.05392	0.130572	-0.41299
Fan1	ENSMUSG00000033458	184.8697	-0.03196	0.131505	-0.24303
Psmb1	ENSMUSG00000014769	6050.918	0.116155	0.10404	1.116445
Urb2	ENSMUSG00000031976	692.157	0.017202	0.097294	0.176802
Sumf1	ENSMUSG00000030101	1715.47	0.034816	0.070153	0.496278
Xkr4	ENSMUSG00000051951	127.3443	-0.16974	0.121507	-1.39693
Slc7a4	ENSMUSG00000022756	1029.43	-0.07244	0.061236	-1.18293
9530068EC	ENSMUSG00000036275	6875.695	-0.00676	0.058041	-0.11643
Acin1	ENSMUSG00000022185	5448.362	0.035953	0.065723	0.547041
Safb2	ENSMUSG00000042625	2522.161	0.020126	0.081049	0.248313
Utp18	ENSMUSG00000054079	1481.54	0.039455	0.071959	0.5483
Snd1	ENSMUSG00000001424	10659.8	0.187402	0.106737	1.755736
Cers6	ENSMUSG00000027035	1157.519	-0.02331	0.090791	-0.25678
Phb2	ENSMUSG00000004264	4337.753	0.050206	0.077276	0.649705
Mdm2	ENSMUSG00000020184	2679.713	0.016616	0.07294	0.227801
Cep290	ENSMUSG00000019971	854.6589	-0.00338	0.108943	-0.03103
Dnajb6	ENSMUSG00000029131	3545.808	0.066086	0.060572	1.091037
Ccar1	ENSMUSG00000020074	2707.477	-0.0119	0.074317	-0.16015
Dnah14	ENSMUSG00000047369	73.63909	-0.00128	0.145672	-0.00881
Csnk2a1	ENSMUSG00000074698	2460.864	0.0077	0.064441	0.11949
Nfkbid	ENSMUSG00000036931	203.5047	0.054824	0.114611	0.47835
Rcor2	ENSMUSG00000024968	680.3324	0.147858	0.084872	1.742129
mt-Tc	ENSMUSG00000064349	235.3501	-0.05909	0.143437	-0.41197
Rspry1	ENSMUSG00000050079	780.1362	0.041494	0.103265	0.401823
Ahdc1	ENSMUSG00000037692	497.7274	0.026529	0.118798	0.223314
Elp2	ENSMUSG00000024271	3023.187	0.027746	0.063839	0.434621
Ints6l	ENSMUSG00000035967	1041.635	-0.12884	0.087625	-1.4704

Kdelr3	ENSMUSG00000010830	402.5542	0.004095	0.124642	0.032851
Dgcr6	ENSMUSG000000111647	644.9926	0.144256	0.132261	1.090696
Tnfsf12	ENSMUSG000000097328	724.7562	0.095662	0.118215	0.809217
Resf1	ENSMUSG000000032712	859.7752	-0.07717	0.090102	-0.85651
Coq7	ENSMUSG000000030652	1079.032	0.032671	0.11259	0.290174
Zdhhc3	ENSMUSG000000025786	3448.826	0.027302	0.094492	0.288935
Taf11	ENSMUSG000000024218	853.0873	-0.0809	0.094308	-0.85787
Cep55	ENSMUSG000000024989	673.4328	-0.20716	0.118084	-1.75436
Pfdn5	ENSMUSG000000001289	4056.009	0.122656	0.110043	1.114617
Gabrg2	ENSMUSG000000020436	251.569	0.056921	0.141527	0.402196
Arl13b	ENSMUSG000000022911	749.2999	-0.06474	0.119205	-0.54314
Nap1l1	ENSMUSG000000058799	13300.24	0.09292	0.051695	1.79746
Snhg1	ENSMUSG000000108414	1590.22	0.135326	0.122989	1.10031
Grtp1	ENSMUSG000000038515	542.5973	0.030403	0.111645	0.272322
Gab2	ENSMUSG000000004508	371.3929	0.018652	0.080064	0.232964
Klhl13	ENSMUSG000000036782	451.5905	0.022894	0.124078	0.184516
Nek4	ENSMUSG000000021918	307.7164	-0.04351	0.11162	-0.38984
17000860	ENSMUSG000000097080	256.7009	0.074251	0.116571	0.63696
Galns	ENSMUSG000000015027	2342.655	-0.16069	0.124014	-1.29578
Ccpg1	ENSMUSG000000034563	3448.406	-0.02501	0.111754	-0.22378
Rnft2	ENSMUSG000000032850	579.0194	-0.08585	0.13524	-0.63483
37500	ENSMUSG000000026276	5095.359	0.019908	0.068943	0.288765
Nfrkb	ENSMUSG000000042185	850.1074	-0.0885	0.083487	-1.06002
Lrp12	ENSMUSG000000022305	1561.705	0.034318	0.11994	0.286128
Enox2	ENSMUSG000000031109	570.4279	-0.03997	0.104212	-0.3835
Zdhhc15	ENSMUSG000000033906	224.6734	-0.29356	0.14212	-2.06561
Map2k5	ENSMUSG000000058444	1130.178	-0.08062	0.087845	-0.91772
Rdh14	ENSMUSG000000020621	773.3843	-0.05218	0.077017	-0.67748
Gclm	ENSMUSG000000028124	3572.438	-0.00232	0.095075	-0.02437
Pgm2	ENSMUSG000000025791	7159.528	0.039364	0.1407	0.279771
Rps27l	ENSMUSG000000036781	2599.186	-0.02327	0.106538	-0.21843
Ncstn	ENSMUSG000000003458	5177.911	-0.12769	0.051654	-2.47199
Asap3	ENSMUSG000000036995	163.3772	0.024032	0.133215	0.180398
Cox4i1	ENSMUSG000000031818	9302.971	0.071816	0.099633	0.720807
Lymr2	ENSMUSG000000045854	423.1745	-0.06248	0.120082	-0.5203
Edaradd	ENSMUSG000000095105	120.9466	-0.01363	0.138062	-0.09872
Upf3a	ENSMUSG000000038398	994.9556	0.030989	0.091137	0.340028
Tsc22d1	ENSMUSG000000022010	8646.921	-0.16497	0.115737	-1.42541
Pomt1	ENSMUSG000000039254	971.4745	-0.03902	0.0851	-0.45852
Pcolce2	ENSMUSG000000015354	4276.36	0.02166	0.112235	0.192987
Elp5	ENSMUSG000000018565	2450.514	0.173508	0.106833	1.624103
Hs2st1	ENSMUSG000000040151	1647.404	-0.04417	0.074665	-0.59151
Pex11a	ENSMUSG000000030545	190.4241	-0.04262	0.108656	-0.39225
Rbm4b	ENSMUSG000000033760	2072.474	-0.07755	0.06089	-1.27369
Zer1	ENSMUSG000000039686	1513.595	0.018066	0.076628	0.23576
Rnf216	ENSMUSG000000045078	1453.958	0.009183	0.085998	0.106785
Acss2	ENSMUSG000000027605	1039.874	0.176312	0.091752	1.921613
Zkscan1	ENSMUSG000000029729	1054.883	-0.06118	0.067236	-0.90992
Agl	ENSMUSG000000033400	2087.789	0.103877	0.090149	1.152281
Btbd6	ENSMUSG000000002803	1201.236	0.017265	0.110521	0.15621
Map3k4	ENSMUSG000000014426	1086.198	0.056829	0.066869	0.849851
Nfatc2ip	ENSMUSG000000030722	453.5053	0.028682	0.106747	0.268694

Atic	ENSMUSG00000026192	1688.458	0.075377	0.054166	1.391599
Pcif1	ENSMUSG00000039849	2355.409	-0.05168	0.076522	-0.6754
Prdx2	ENSMUSG00000005161	10027.16	0.123945	0.09314	1.330742
Myo9b	ENSMUSG00000004677	1995.751	0.091757	0.095613	0.959675
Rbx1	ENSMUSG000000022400	4437.053	0.115298	0.092812	1.242264
Atf7ip	ENSMUSG00000030213	917.5321	-0.07279	0.138288	-0.52633
Spaca6	ENSMUSG00000080316	317.7542	-0.09768	0.133123	-0.73379
Supt3	ENSMUSG00000038954	312.9059	0.109169	0.130844	0.834346
Ddrgk1	ENSMUSG00000068290	3295.834	-0.02145	0.092912	-0.23091
Ufm1	ENSMUSG00000027746	4797.89	-0.03907	0.078813	-0.49575
Twink	ENSMUSG00000025209	591.6251	-0.0603	0.128385	-0.46971
Tnrc18	ENSMUSG00000039477	1424.65	-0.10487	0.103693	-1.01136
Ccnb2	ENSMUSG00000032218	3123.656	-0.06841	0.079189	-0.8639
Psmf1	ENSMUSG00000032869	1940.971	0.06732	0.092289	0.729446
Nhej1	ENSMUSG00000026162	217.6701	0.131333	0.121102	1.084489
Zbtb11os1	ENSMUSG000000102101	235.5039	0.081286	0.137636	0.590585
Hsf1	ENSMUSG00000022556	1496.867	0.070166	0.075689	0.92703
Hmgb3	ENSMUSG00000015217	1277.29	-0.14195	0.078588	-1.80627
Nr4a1	ENSMUSG00000023034	2452.651	-0.22183	0.140987	-1.57344
Atg3	ENSMUSG00000022663	1740.995	0.043975	0.081983	0.536393
Phykpl	ENSMUSG00000020359	615.8411	0.013435	0.092858	0.144678
Pard6a	ENSMUSG00000005699	1267.239	0.127217	0.11233	1.132533
Raly1	ENSMUSG00000039717	211.8857	-0.05093	0.13803	-0.36894
Med28	ENSMUSG00000015804	2916.919	0.021746	0.098968	0.219729
18100300i	ENSMUSG00000044148	1012.279	-0.05527	0.072095	-0.76665
Nkiras2	ENSMUSG00000017837	1450.908	0.123708	0.067925	1.821242
Wls	ENSMUSG00000028173	5826.027	-0.06958	0.070666	-0.98469
Dnah10	ENSMUSG00000038011	44.32269	0.270258	0.145725	1.854572
St6galnac4	ENSMUSG00000079442	527.2437	0.012541	0.101361	0.123729
Atp11c	ENSMUSG000000108408	218.7096	-0.1803	0.12629	-1.42762
Nbas	ENSMUSG00000020576	2243.463	0.015539	0.099013	0.156942
Dirc2	ENSMUSG00000022848	2002.875	0.123843	0.107994	1.146759
Csnk2b	ENSMUSG00000024387	3569.687	0.107113	0.089382	1.198381
Kcnf1	ENSMUSG00000051726	781.371	-0.11714	0.131109	-0.89344
Cabp1	ENSMUSG00000029544	4700.279	0.214115	0.114232	1.874379
P4ha1	ENSMUSG00000019916	4482.424	-0.02407	0.126156	-0.19083
Kif4	ENSMUSG00000034311	2406.203	-0.00028	0.071714	-0.00393
Ube2r2	ENSMUSG00000036241	1971.702	-0.00451	0.071832	-0.06281
Stard10	ENSMUSG00000030688	6646.732	0.19571	0.083265	2.350447
Dennd5b	ENSMUSG00000030313	475.4072	-0.00063	0.119163	-0.00528
Ndufaf1	ENSMUSG00000027305	540.1254	0.076392	0.084358	0.905569
Zfp760	ENSMUSG000000067928	97.88419	-0.0256	0.130898	-0.19554
Fam133b	ENSMUSG00000058503	766.3359	0.047753	0.077786	0.613906
Rabif	ENSMUSG00000042229	1403.693	-0.02319	0.061778	-0.37539
Sh3pxd2b	ENSMUSG00000040711	460.2815	0.239196	0.119479	2.001992
Aggf1	ENSMUSG00000021681	1696.28	0.005295	0.095431	0.055482
Haus1	ENSMUSG00000041840	873.453	0.172348	0.103952	1.657964
Nt5c3b	ENSMUSG00000017176	1438.123	0.083295	0.066879	1.245452
Pla2g6	ENSMUSG00000042632	1293.5	-0.01143	0.065629	-0.17415
Zfp251	ENSMUSG00000022526	788.3055	-0.06392	0.098116	-0.65152
Cdkal1	ENSMUSG00000006191	437.3384	0.095976	0.08064	1.190183
Ttyh2	ENSMUSG00000034714	4521.576	-0.04224	0.098333	-0.42959

TxIng	ENSMUSG00000038344	541.9981	0.003466	0.095474	0.0363
Efr3b	ENSMUSG00000020658	1677.247	0.021467	0.115811	0.185366
Commd6	ENSMUSG00000075486	1069.656	0.013252	0.085248	0.155455
Tmem86b	ENSMUSG00000045282	443.9432	-0.0037	0.110306	-0.03358
Nanos1	ENSMUSG00000072437	718.3122	-0.14996	0.09766	-1.53554
Kdsr	ENSMUSG00000009905	511.0385	-0.08357	0.13167	-0.63467
Cenpo	ENSMUSG00000020652	536.1925	0.117335	0.082821	1.416724
Crem	ENSMUSG00000063889	807.1145	0.059563	0.092169	0.646237
Plpp7	ENSMUSG00000051373	361.5869	0.152913	0.109299	1.399043
Akr1c12	ENSMUSG00000021211	2565.146	0.140161	0.097721	1.434299
Ppp1r14a	ENSMUSG00000037166	192.9687	-0.03169	0.143177	-0.22131
Zfp652	ENSMUSG00000075595	1861.877	-0.04037	0.077958	-0.51781
Pemt	ENSMUSG00000000301	301.645	0.043847	0.098681	0.444334
Nicn1	ENSMUSG00000032606	1079.05	0.180445	0.078569	2.296649
Ccny	ENSMUSG00000024286	2451.722	-0.00993	0.055811	-0.17789
Hs1bp3	ENSMUSG00000020605	1009.124	-0.14262	0.131532	-1.08433
Nit1	ENSMUSG00000013997	1117.725	0.035827	0.095745	0.374193
Tmem230	ENSMUSG00000027341	744.2093	-0.17731	0.124977	-1.41876
Syn2	ENSMUSG00000009394	1426.209	0.069508	0.091753	0.757553
Nelfa	ENSMUSG00000029111	1115.202	-0.04136	0.068494	-0.6038
Rfx1	ENSMUSG00000031706	785.1928	-0.05901	0.107361	-0.54961
Zcchc10	ENSMUSG00000018239	315.1861	0.062638	0.093357	0.670954
Tmem98	ENSMUSG00000035413	429.82	0.052371	0.117995	0.443839
Dopey1	ENSMUSG00000034973	1357.559	-0.02775	0.0574	-0.48348
Dot1l	ENSMUSG00000061589	3125.666	0.063448	0.092793	0.683759
Unc80	ENSMUSG00000055567	1686.989	-0.03439	0.134848	-0.25503
Pnpo	ENSMUSG00000018659	837.8121	0.11501	0.11865	0.969318
Serinc1	ENSMUSG00000019877	10464.16	0.038102	0.100589	0.378793
Dnajc12	ENSMUSG00000036764	965.3663	0.161671	0.1064	1.519462
Kcnq4	ENSMUSG00000028631	1001.514	0.070007	0.133101	0.525968
Mrpl3	ENSMUSG00000032563	1742.647	0.095993	0.069285	1.385473
Gclc	ENSMUSG00000032350	1152.88	0.063145	0.075621	0.835016
Tmem117	ENSMUSG00000063296	273.6234	-0.0661	0.145784	-0.45342
Lrrc47	ENSMUSG00000029028	2273.522	-0.10755	0.065054	-1.65322
Ccdc40	ENSMUSG00000039963	280.6268	-0.07507	0.126803	-0.59201
Rrm2b	ENSMUSG00000022292	678.843	-0.00145	0.109912	-0.01322
Elof1	ENSMUSG00000013822	2534.283	0.076056	0.090661	0.838906
Sec61a1	ENSMUSG00000030082	15681.87	0.018499	0.08768	0.210982
Fut9	ENSMUSG00000055373	127.139	-0.14548	0.144777	-1.00483
Cpne4	ENSMUSG00000032564	1271.743	0.125729	0.102917	1.221659
Ptpn	ENSMUSG00000026204	56492.49	0.138546	0.07027	1.971633
Gtpbp8	ENSMUSG00000022668	954.8698	-0.03342	0.085818	-0.38946
Metap1	ENSMUSG00000005813	2134.277	0.07156	0.073122	0.978628
Trappc10	ENSMUSG00000000374	3092.229	-0.03228	0.067548	-0.47795
B3gat1	ENSMUSG00000045994	242.0075	-0.12436	0.144697	-0.85946
Senp1	ENSMUSG00000033075	2393.651	-0.0351	0.092284	-0.38033
Odr4	ENSMUSG00000006010	1412.306	-0.25123	0.124753	-2.01384
Aprt	ENSMUSG00000006589	1875.993	0.183973	0.115026	1.599406
Ctns	ENSMUSG00000005949	1081.711	0.045586	0.142798	0.319238
Sfmbt1	ENSMUSG00000006527	1799.093	-0.04462	0.085122	-0.52421
Hip1	ENSMUSG00000039959	1111.685	0.104018	0.139924	0.743393
Timm21	ENSMUSG00000024645	358.9346	-0.02104	0.089855	-0.23414

Ppfbp1	ENSMUSG00000016487	1398.128	-0.08657	0.099896	-0.86661
B230217C	ENSMUSG00000050538	646.8506	0.053741	0.134452	0.399706
Rcor1	ENSMUSG00000037896	1706.452	-0.0282	0.118894	-0.23717
Mrps14	ENSMUSG00000058267	1235.901	0.098563	0.103623	0.951169
Nsd1	ENSMUSG00000021488	2335.944	-0.091	0.084353	-1.07875
Pgam1	ENSMUSG00000011752	37778.04	0.028538	0.145775	0.195765
Pkhd1	ENSMUSG00000043760	86.54373	-0.02797	0.144437	-0.19364
Rps19bp1	ENSMUSG00000051518	673.8654	0.10578	0.116205	0.910287
Pfkb	ENSMUSG00000021196	11970.53	0.07837	0.144284	0.543165
Mrrf	ENSMUSG00000026887	790.8416	0.053326	0.095255	0.559826
Atpaf2	ENSMUSG00000042709	1260.202	0.093202	0.100369	0.92859
Gm7488	ENSMUSG00000039617	515.846	0.023085	0.103033	0.224056
Pcmdt2	ENSMUSG00000027589	962.1509	-0.06559	0.117487	-0.55826
Aga	ENSMUSG00000031521	2864.761	-0.02939	0.09668	-0.30402
3830406C1	ENSMUSG00000033111	729.098	-0.06314	0.133307	-0.47365
Pimreg	ENSMUSG00000020808	1629.78	-0.07859	0.081726	-0.96157
BC048403	ENSMUSG00000053684	239.856	-0.11538	0.106797	-1.08037
Dock4	ENSMUSG00000035954	329.418	-0.17306	0.120213	-1.43959
Pecr	ENSMUSG00000026189	239.3973	0.034631	0.099088	0.349501
Ube2t	ENSMUSG00000026429	1515.509	0.010831	0.110615	0.097912
Vsig10	ENSMUSG00000066894	522.6549	-0.04236	0.127445	-0.33238
Slc5a5	ENSMUSG00000000792	207.5518	0.143934	0.110614	1.301231
Gp1bb	ENSMUSG00000050761	359.562	0.056027	0.13041	0.429623
Lamc1	ENSMUSG00000026478	1002.699	-0.06007	0.092421	-0.64992
Spata5	ENSMUSG00000027722	605.1939	0.191884	0.126563	1.516116
Gemin2	ENSMUSG00000060121	604.2279	0.063205	0.079834	0.791697
Laptm4b	ENSMUSG00000022257	1629.751	-0.17139	0.100851	-1.69946
Ssfa2	ENSMUSG00000027007	1669.578	-0.0265	0.112938	-0.23469
2610524H	ENSMUSG00000092486	2804.227	0.165122	0.124556	1.325682
Cep152	ENSMUSG00000068394	594.1414	0.058249	0.090947	0.640469
Sft2d1	ENSMUSG00000073468	502.9667	-0.02877	0.109707	-0.26227
Sult2b1	ENSMUSG00000003271	276.5529	-0.00676	0.114185	-0.05916
Cplane1	ENSMUSG00000039801	1389.647	0.049005	0.105747	0.463418
Bri3	ENSMUSG00000047843	1217.254	-0.044	0.133697	-0.32911
Slc35a5	ENSMUSG00000022664	1220.152	-0.11333	0.075523	-1.50053
Col4a1	ENSMUSG00000031502	533.5718	0.172195	0.117324	1.467686
Zfp955b	ENSMUSG00000096910	89.73819	0.020387	0.139867	0.145758
AA414768	ENSMUSG00000083307	305.2569	0.083369	0.14508	0.574642
Cyfp2	ENSMUSG00000020340	17050.24	0.009251	0.10842	0.085327
Ttc30a1	ENSMUSG00000075271	148.3299	0.045193	0.110549	0.408807
Zfp318	ENSMUSG00000015597	1122.963	-0.07812	0.114184	-0.68419
U2surp	ENSMUSG00000032407	3411.091	0.0612	0.105057	0.58254
Kif1b	ENSMUSG00000063077	4585.018	0.022695	0.109876	0.206555
Zfp729b	ENSMUSG00000058093	336.4623	-0.09751	0.115822	-0.84185
Cebpzos	ENSMUSG00000062691	571.1264	0.117708	0.137546	0.855767
Slc22a23	ENSMUSG00000038267	2344.257	-0.02696	0.129939	-0.2075
Copb2	ENSMUSG00000032458	10041.26	0.159959	0.066966	2.388647
Commd2	ENSMUSG00000036513	639.4573	0.012707	0.098318	0.129244
Erc1	ENSMUSG00000030172	1337.035	-0.00598	0.105683	-0.05658
Aspscr1	ENSMUSG00000025142	2150.403	0.039194	0.095631	0.409845
Dapk1	ENSMUSG00000021559	383.0532	0.008321	0.139736	0.059545
Dbr1	ENSMUSG00000032469	912.0374	0.073945	0.0831	0.889832

Cdc14b	ENSMUSG00000033102	851.6106	-0.04237	0.093762	-0.4519
Rpap1	ENSMUSG00000034032	1155.732	-0.05358	0.083282	-0.64335
Atp11c	ENSMUSG00000062949	218.7096	-0.1803	0.12629	-1.42762
Riok1	ENSMUSG00000021428	739.6858	-0.05514	0.073881	-0.74638
Ndufs4	ENSMUSG00000021764	2185.323	0.062136	0.110108	0.56432
Fech	ENSMUSG00000024588	2543.158	0.16754	0.114157	1.467631
1700025G	ENSMUSG00000032666	835.3228	0.154611	0.118948	1.299817
Stk38l	ENSMUSG00000001630	1139.173	0.086856	0.104705	0.829536
Mad2l2	ENSMUSG00000029003	712.0741	0.010154	0.104892	0.096803
Pdss2	ENSMUSG00000038240	379.3429	0.126315	0.11418	1.10628
Sptbn5	ENSMUSG00000074899	265.4276	0.122207	0.117784	1.037547
Acaa2	ENSMUSG00000036880	289.9433	0.010029	0.139734	0.071769
Alk	ENSMUSG00000055471	60.00163	0.204958	0.141271	1.450814
Drap1	ENSMUSG00000024914	2863.751	0.195985	0.120118	1.631607
Cfap36	ENSMUSG00000020462	2479.827	0.070551	0.088509	0.797106
Adal	ENSMUSG00000027259	526.565	-0.1743	0.111747	-1.55982
Tert	ENSMUSG00000021611	106.4203	-0.03071	0.145189	-0.21153
Vps72	ENSMUSG00000008958	1391.31	0.02651	0.071658	0.369947
Pcnx3	ENSMUSG00000054874	2315.92	0.023841	0.078487	0.303763
Ric8b	ENSMUSG00000035620	2013.912	-0.06778	0.071013	-0.95441
Dgkz	ENSMUSG00000040479	2635.663	0.103652	0.089264	1.161188
Rpl37a	ENSMUSG00000046330	10044.13	0.120291	0.10877	1.105917
Ncor1	ENSMUSG00000018501	6121.434	-0.01614	0.109872	-0.14694
Bcl9	ENSMUSG00000038256	1407.599	-0.11604	0.117772	-0.98533
Pip5k1b	ENSMUSG00000024867	4645.532	-0.11029	0.126762	-0.87008
Sdhaf2	ENSMUSG00000024668	1069.796	-0.05222	0.061735	-0.84582
Ewsr1	ENSMUSG00000009079	9512.917	0.041992	0.057812	0.726356
Pex26	ENSMUSG00000067825	865.0276	0.014211	0.060505	0.234868
Ror2	ENSMUSG00000021464	335.1784	0.059274	0.143664	0.412589
Nek7	ENSMUSG00000026393	751.5718	-0.04591	0.106852	-0.42968
Ube2e3	ENSMUSG00000027011	2301.137	-0.12253	0.065936	-1.85824
Acaca	ENSMUSG00000020532	2332.691	0.196102	0.125778	1.559108
Mtmt10	ENSMUSG00000030522	317.6857	-0.01241	0.089575	-0.1385
Igfbpl1	ENSMUSG00000035551	2603.133	0.034934	0.133772	0.261143
Evl	ENSMUSG00000021262	2565.804	-0.00725	0.063873	-0.11358
Tsen54	ENSMUSG00000020781	611.7405	-0.05337	0.112491	-0.47443
Hyal2	ENSMUSG00000010047	659.3479	0.014483	0.079285	0.182675
Gins4	ENSMUSG00000031546	1495.712	0.104515	0.087653	1.192379
Anxa11	ENSMUSG00000021866	712.9566	-0.16478	0.115045	-1.43228
Cklf	ENSMUSG00000054400	397.5807	0.104846	0.107293	0.977198
Pdha1	ENSMUSG00000031299	3718.775	0.212202	0.071454	2.969762
Tle2	ENSMUSG00000034771	435.6976	0.111422	0.126094	0.883643
Tmem109	ENSMUSG00000034659	4428.212	0.088595	0.070799	1.251365
Rnf166	ENSMUSG00000014470	704.8917	-0.01186	0.101403	-0.11696
Cdkn2aipn	ENSMUSG00000020392	2706.244	-0.06824	0.07216	-0.94567
Syde1	ENSMUSG00000032714	66.1268	0.081063	0.143976	0.563033
Stmn1	ENSMUSG00000028832	19850.6	-0.01657	0.095888	-0.17281
Ptpn12	ENSMUSG00000028771	445.5828	-0.0893	0.107509	-0.83065
Clint1	ENSMUSG00000006169	2956.666	0.090222	0.090071	1.001679
Ube2d2a	ENSMUSG00000091896	5970.535	0.069544	0.058022	1.198582
Coq3	ENSMUSG00000028247	182.9507	0.065551	0.128263	0.511071
Hmgcn3	ENSMUSG00000066456	3619.601	0.078109	0.086655	0.901369

Tanc2	ENSMUSG00000053580	2196.883	0.106819	0.114484	0.933055
Mia3	ENSMUSG00000056050	8462.011	-0.01818	0.09055	-0.20077
Tubb3	ENSMUSG00000062380	4751.282	0.245068	0.097856	2.504381
2410131K1	ENSMUSG00000032840	980.7324	0.051691	0.073547	0.702825
Hdac1	ENSMUSG00000028800	4572.628	0.026025	0.07632	0.341003
Trip12	ENSMUSG00000026219	5476.325	0.11282	0.059269	1.903517
C1galt1c1	ENSMUSG00000048970	1728.342	0.017809	0.069607	0.255856
Bod1	ENSMUSG00000044502	2495.99	-0.01052	0.084049	-0.12517
Mettl21a	ENSMUSG00000025956	413.0517	0.014536	0.112373	0.129356
Slc15a4	ENSMUSG00000029416	773.3132	-0.01331	0.107952	-0.12331
Pafah1b1	ENSMUSG00000020745	8489.542	0.075539	0.070149	1.076844
Mdp1	ENSMUSG00000002329	1274.763	0.098873	0.09799	1.009014
Eed	ENSMUSG00000030619	1399.013	-0.06774	0.077133	-0.8782
Polr3d	ENSMUSG00000000776	886.9796	0.084358	0.0782	1.078745
Trim11	ENSMUSG00000020455	739.2414	-0.10156	0.069009	-1.47174
Tbc1d23	ENSMUSG00000022749	1285.143	0.03469	0.092127	0.376547
5430416N	ENSMUSG00000097772	405.3921	0.151014	0.094129	1.604341
Lancl2	ENSMUSG00000062190	1342.722	0.046441	0.10627	0.437011
Tex13b	ENSMUSG00000042386	610.3832	0.002702	0.137409	0.019665
Gm30648	ENSMUSG00000106139	896.3487	-0.26131	0.104265	-2.50622
Tmem165	ENSMUSG00000029234	2423.344	0.04594	0.093707	0.490247
Scarb2	ENSMUSG00000029426	10183.69	-0.00656	0.094479	-0.06947
Xpo6	ENSMUSG00000000131	7559.611	-0.08453	0.129778	-0.65138
Plcxd3	ENSMUSG00000049148	66.71486	0.13212	0.141554	0.933355
B230118H	ENSMUSG00000027165	678.3559	0.060769	0.121673	0.499446
Csrnp2	ENSMUSG00000044636	349.3162	-0.08657	0.100403	-0.86225
Ercc4	ENSMUSG00000022545	424.838	-0.1214	0.106975	-1.13486
Mettl16	ENSMUSG00000010554	1236.935	0.259441	0.092476	2.805506
Nufip1	ENSMUSG00000022009	711.1337	0.117143	0.07914	1.480194
Ldha	ENSMUSG00000063229	22465.54	-0.00103	0.081637	-0.01261
Ggact	ENSMUSG00000041625	1858.481	0.085923	0.083362	1.030724
Tmem59l	ENSMUSG00000035964	3820.022	-0.09119	0.108057	-0.84393
Sfpq	ENSMUSG00000028820	7868.772	-0.01625	0.066801	-0.24323
Rpl34	ENSMUSG00000062006	6104.609	0.074199	0.110414	0.672009
Plat	ENSMUSG00000031538	550.8995	-0.00474	0.144287	-0.03284
Borcs8	ENSMUSG00000002345	786.4585	0.077203	0.096236	0.802223
Tstd2	ENSMUSG00000035495	1175.337	0.030204	0.085547	0.353073
Tmem39a	ENSMUSG00000002845	1427.543	-0.09005	0.109738	-0.82056
Aldh1b1	ENSMUSG00000035561	425.0417	0.271684	0.141485	1.920232
Map2k3	ENSMUSG00000018932	1289.05	-0.05786	0.091789	-0.63038
Cbr3	ENSMUSG00000022947	223.9671	0.02856	0.127113	0.224685
Dnase2a	ENSMUSG00000003812	781.9236	0.07606	0.145633	0.522274
Rpain	ENSMUSG00000018449	404.3143	0.071716	0.094973	0.755116
Id3	ENSMUSG00000007872	4207.994	0.125151	0.12442	1.00588
Arl14ep	ENSMUSG00000027122	804.4734	-0.03441	0.127731	-0.26943
Cep131	ENSMUSG00000039781	1018.079	0.110463	0.114184	0.967411
Atp2b2	ENSMUSG00000030302	942.8274	-0.03125	0.144984	-0.21555
Sppl2a	ENSMUSG00000027366	1630.63	-0.02987	0.109658	-0.2724
Eps15l1	ENSMUSG00000006276	2321.413	0.103688	0.082014	1.264271
Il18bp	ENSMUSG00000070427	237.8526	0.047264	0.106857	0.442315
Ube2cbp	ENSMUSG00000032415	419.122	-0.02474	0.090426	-0.27357
Klhl32	ENSMUSG00000040387	1749.04	0.127323	0.090395	1.408523

Lims1	ENSMUSG00000019920	2115.707	-0.05326	0.084774	-0.62826
Llph	ENSMUSG00000020224	760.5503	0.090114	0.109106	0.825936
Camta2	ENSMUSG00000040712	2004.99	0.018789	0.094112	0.199648
Kcnp3	ENSMUSG00000079056	1516.644	0.18395	0.136632	1.346317
Lrprrc	ENSMUSG00000024120	4279.615	0.178957	0.102785	1.741081
Gm14295	ENSMUSG00000078877	336.3616	-0.03032	0.138103	-0.21956
A130010J1	ENSMUSG00000079144	229.9118	-0.14615	0.109339	-1.33664
Dph6	ENSMUSG00000057147	880.9765	-0.03472	0.088118	-0.39404
Zfp65	ENSMUSG00000071281	395.4365	0.11868	0.100513	1.18074
Kcnk9	ENSMUSG00000036760	212.2942	0.048189	0.116474	0.413736
Stk25	ENSMUSG00000026277	4469.302	0.018076	0.055847	0.323672
Gm48362	ENSMUSG000000110866	2717.61	0.149821	0.108291	1.383508
Bin1	ENSMUSG00000024381	645.3987	-0.06372	0.093594	-0.68078
Zfp638	ENSMUSG00000030016	2677.586	0.149035	0.102381	1.455694
Ormdl1	ENSMUSG00000026097	1438.299	-0.00053	0.071968	-0.00731
Slc23a2	ENSMUSG00000027340	1838.408	0.09385	0.102432	0.916218
Zfp202	ENSMUSG00000025602	187.3813	0.033486	0.114995	0.291192
Rpl18a	ENSMUSG00000045128	17234.51	0.087199	0.132518	0.658021
Maco1	ENSMUSG00000028826	3341.996	0.022727	0.060693	0.374449
Upf1	ENSMUSG00000058301	2820.197	0.019232	0.098219	0.195808
Plekha6	ENSMUSG00000041757	5239.964	0.076109	0.093162	0.81696
Pask	ENSMUSG00000026274	746.7972	0.206035	0.081919	2.515104
Slf2	ENSMUSG00000036097	2558.565	-0.01096	0.108244	-0.10122
Snx21	ENSMUSG00000050373	903.1422	0.18673	0.073022	2.557184
Copz2	ENSMUSG00000018672	720.7885	0.143647	0.099972	1.436872
Mpnd	ENSMUSG00000003199	2233.466	0.016162	0.082341	0.196279
Dnajc6	ENSMUSG00000028528	1914.871	0.120611	0.113389	1.06369
Sbno1	ENSMUSG00000038095	3028.601	-0.00208	0.110068	-0.0189
Max	ENSMUSG00000059436	1605.175	0.026078	0.094878	0.274863
Gid4	ENSMUSG00000018415	1533.501	-0.01181	0.133287	-0.08861
Gm35315	ENSMUSG000000109771	127.7101	0.025885	0.118133	0.219117
Kdelr1	ENSMUSG00000002778	6702.287	-0.06145	0.066616	-0.92241
Ap3s2	ENSMUSG00000063801	2156.66	0.086552	0.08074	1.071992
Arfp2	ENSMUSG00000030881	3802.976	0.097482	0.077731	1.254091
Pfdn4	ENSMUSG00000052033	747.7275	0.10313	0.109581	0.941126
Fbxl12	ENSMUSG00000066892	288.9749	-0.02846	0.10623	-0.26791
Rsph9	ENSMUSG00000023966	527.2786	0.026471	0.119565	0.221391
Ap3m1	ENSMUSG00000021824	2991.298	-0.0984	0.117365	-0.83842
Rpl26	ENSMUSG00000060938	10081.77	0.106098	0.105244	1.008113
Btbd8	ENSMUSG000000111375	94.75986	-0.09479	0.144649	-0.65529
Ttyh3	ENSMUSG00000036565	3208.366	0.104731	0.119108	0.879293
Prdx6	ENSMUSG00000026701	1326.583	-0.00304	0.101827	-0.02982
Pawr	ENSMUSG00000035873	869.5518	-0.04034	0.127596	-0.31615
Sprtn	ENSMUSG00000031986	1105.962	-0.08794	0.078158	-1.12514
Pabpc4	ENSMUSG00000011257	3030.66	0.127129	0.104046	1.221855
Vipas39	ENSMUSG00000021038	1501.046	-0.05255	0.066285	-0.79278
Snx10	ENSMUSG00000038301	973.0237	0.03293	0.076957	0.427904
Derl3	ENSMUSG00000009092	212.3978	-0.14822	0.136897	-1.08269
Mrpl54	ENSMUSG00000034932	1706.987	-0.01059	0.118173	-0.08965
Btf3	ENSMUSG00000021660	6686.853	0.093967	0.090254	1.04114
Cog3	ENSMUSG00000034893	1268.498	-0.00433	0.097485	-0.04445
Rasa3	ENSMUSG00000031453	1076.565	-0.07412	0.078336	-0.94619

Strbp	ENSMUSG00000026915	2981.025	0.030096	0.085249	0.353042
Ehd1	ENSMUSG000000107039	998.4959	0.223555	0.065155	3.43111
Tnrc6b	ENSMUSG00000047888	1520.024	-0.03591	0.095836	-0.37466
Gphn	ENSMUSG00000047454	1536.733	0.015372	0.070704	0.217414
Mcm3	ENSMUSG00000041859	7566.783	0.157012	0.093111	1.686287
Zbtb11	ENSMUSG00000022601	740.4732	0.144455	0.10548	1.369496
Slc18a2	ENSMUSG00000025094	237.1761	-0.10975	0.128512	-0.85404
Tsc22d4	ENSMUSG00000029723	1276.276	-0.10213	0.120536	-0.84732
Samd4b	ENSMUSG000000109336	3963.552	-0.00475	0.08207	-0.05787
Coasy	ENSMUSG00000001755	1479.763	0.048184	0.065747	0.732874
Ttc1	ENSMUSG00000041278	1123.984	0.126039	0.079002	1.595394
Phtf1	ENSMUSG00000058388	2044.215	0.037417	0.063346	0.590668
Mrps18c	ENSMUSG00000016833	1190.208	0.211167	0.105672	1.998331
Dennd2a	ENSMUSG00000038456	51.75731	0.402025	0.146007	2.753466
Selenot	ENSMUSG00000075700	9334.359	-0.04194	0.069441	-0.6039
Snhg15	ENSMUSG00000085156	228.5052	0.184271	0.118766	1.551546
Arhgef19	ENSMUSG00000028919	1921.586	0.099676	0.077489	1.28632
Psmg1	ENSMUSG00000022913	1211.856	0.106874	0.087517	1.221177
Sptan1	ENSMUSG00000057738	13210.44	0.11454	0.099452	1.151713
Tbc1d20	ENSMUSG00000027465	1148.024	-0.07956	0.128194	-0.62065
Samm50	ENSMUSG00000022437	2748.264	0.12805	0.091878	1.393689
Scn3b	ENSMUSG00000049281	638.0467	-0.03177	0.121412	-0.26165
Aldh6a1	ENSMUSG00000021238	393.9765	0.063193	0.117931	0.535853
Pcgf2	ENSMUSG00000018537	932.4645	0.048426	0.104905	0.461614
Atp13a1	ENSMUSG00000031862	5266.117	0.033408	0.112094	0.298039
Mtbp	ENSMUSG00000022369	752.4036	-0.05729	0.087428	-0.65526
Pnpla6	ENSMUSG00000004565	1715.295	0.020125	0.122197	0.164697
Mrps30	ENSMUSG00000021731	995.4911	0.061958	0.092527	0.669619
Nfkbil1	ENSMUSG00000042419	537.6849	0.036919	0.115553	0.319494
Fam3c	ENSMUSG00000029672	2580.213	-0.04477	0.107028	-0.41828
Cep128	ENSMUSG00000061533	655.198	0.308626	0.112701	2.738454
Hectd1	ENSMUSG00000035247	3537.646	-0.06106	0.088918	-0.68671
Ipo9	ENSMUSG00000041879	6695.961	-0.03841	0.084623	-0.45387
Fubp3	ENSMUSG00000026843	2122.029	-0.00831	0.087493	-0.09496
Ankrd46	ENSMUSG00000048307	2195.759	0.021318	0.088805	0.240056
Pcsk2	ENSMUSG00000027419	82002.57	-0.01934	0.079588	-0.24294
Lamc2	ENSMUSG00000026479	530.7975	-0.14356	0.145365	-0.98759
Dnajc5	ENSMUSG00000000826	4467.277	0.117882	0.077438	1.52228
Golgb1	ENSMUSG00000034243	3588.85	-0.12843	0.133656	-0.96087
Copg2	ENSMUSG00000025607	2027.412	0.005518	0.113885	0.048452
Rcn1	ENSMUSG00000005973	140.0586	-0.03042	0.145653	-0.20883
Usp33	ENSMUSG00000025437	3064.507	-0.04557	0.098492	-0.46267
Gse1	ENSMUSG00000031822	9069.865	0.113605	0.097744	1.162268
Chordc1	ENSMUSG00000001774	2078.876	0.082068	0.121528	0.6753
Tmem138	ENSMUSG00000024666	481.4438	0.003772	0.090601	0.041634
Heg1	ENSMUSG00000075254	2032.819	0.225482	0.130167	1.732246
Add3	ENSMUSG00000025026	4583.269	-0.00635	0.110437	-0.05747
Gm16023	ENSMUSG00000086682	77.34323	0.048942	0.145	0.337528
Gnb2	ENSMUSG00000029713	11477.02	-0.03063	0.105449	-0.29049
Hist1h4j	ENSMUSG00000067455	88.64205	-0.26488	0.14159	-1.87073
Cdh4	ENSMUSG00000000305	6364.845	0.160148	0.103237	1.551264
Mbtps2	ENSMUSG00000046873	779.3264	-0.0435	0.117078	-0.37157

Hmox1	ENSMUSG00000005413	1576.252	0.225223	0.143297	1.571721
Glis2	ENSMUSG00000014303	872.4065	0.129763	0.072508	1.789622
Tsn	ENSMUSG00000026374	4284.247	0.052961	0.09598	0.55179
Trim39	ENSMUSG00000045409	1736.293	-0.05368	0.086702	-0.61914
Larp4	ENSMUSG00000023025	2512.935	0.020351	0.107888	0.188634
Trim13	ENSMUSG00000035235	226.7965	0.089308	0.113005	0.790298
Mrfap1	ENSMUSG00000055302	25428.15	0.109369	0.090349	1.210522
Sqstm1	ENSMUSG00000015837	17328.66	0.049533	0.124084	0.399191
Ddx1	ENSMUSG00000037149	6264.733	0.102263	0.055454	1.844114
Lrrc41	ENSMUSG00000028703	2315.741	-0.10603	0.064103	-1.65412
Tent5c	ENSMUSG00000044468	1337.487	-0.04967	0.084822	-0.58559
Serp1	ENSMUSG00000027808	11242.43	-0.16506	0.120508	-1.36971
Dnmt3b	ENSMUSG00000027478	131.9482	-0.1067	0.123065	-0.867
Dhrs3	ENSMUSG00000066026	155.756	0.03918	0.141055	0.277764
1700021FC	ENSMUSG00000019797	490.7245	0.132867	0.111729	1.18919
Ecsit	ENSMUSG00000066839	1005.959	0.082657	0.082721	0.999225
Relch	ENSMUSG00000026319	1532.29	0.112844	0.1119	1.008435
Cdc42bpb	ENSMUSG00000021279	2838.396	-0.03585	0.084862	-0.4224
Dmac1	ENSMUSG00000028398	1066.037	0.018659	0.123507	0.151076
Zfp609	ENSMUSG00000040524	1114.409	-0.05883	0.123679	-0.47564
Nrros	ENSMUSG00000052384	148.6591	0.178661	0.127878	1.39712
Rtl5	ENSMUSG00000049191	1012.225	0.179165	0.144784	1.237465
2900052L1	ENSMUSG00000043993	97.03883	-0.03743	0.120711	-0.31006
Atp2a2	ENSMUSG00000029467	59833.65	0.09822	0.143059	0.686573
A330023F2	ENSMUSG00000096929	157.0979	-0.03223	0.146011	-0.22076
Ap3m2	ENSMUSG00000031539	506.6118	0.090026	0.094075	0.956959
Trp73	ENSMUSG00000029026	168.718	-0.06866	0.109116	-0.62928
Rpl8	ENSMUSG00000003970	18494.42	0.124193	0.097769	1.270272
Mrpl11	ENSMUSG00000024902	1263.608	0.093505	0.107385	0.870749
Kin	ENSMUSG00000037262	689.8346	0.049061	0.068756	0.713558
Cxcl12	ENSMUSG00000061353	291.3055	-0.04346	0.14301	-0.30392
Zcchc14	ENSMUSG00000061410	1794.266	-0.0557	0.108181	-0.51484
H2-Ke6	ENSMUSG00000073422	904.3376	0.134168	0.087666	1.530451
Usp7	ENSMUSG00000022710	4441.531	-0.02965	0.092084	-0.32196
Ncapg	ENSMUSG00000015880	2346.41	-0.00132	0.110177	-0.01196
Celsr3	ENSMUSG000000107269	1401.713	-0.09325	0.124692	-0.74785
Tecpr2	ENSMUSG00000021275	981.6459	-0.0577	0.102612	-0.56231
Ube2g2	ENSMUSG00000009293	1588.241	-0.0631	0.081419	-0.77502
Med15	ENSMUSG00000012114	1833.926	-0.03507	0.074644	-0.46984
Trim67	ENSMUSG00000036913	488.1794	-0.0394	0.105575	-0.37319
Phf8	ENSMUSG00000041229	970.9708	-0.03486	0.096934	-0.35967
Chmp3	ENSMUSG00000053119	2511.839	-0.00398	0.083295	-0.04779
Grk3	ENSMUSG00000042249	3168.303	-0.20316	0.093698	-2.16825
Scrn1	ENSMUSG00000019124	3087.418	0.177026	0.073922	2.394781
Pnp2	ENSMUSG00000068417	289.0677	0.119815	0.13593	0.881444
Asb8	ENSMUSG00000048175	917.0299	0.013438	0.08728	0.153966
Tfap4	ENSMUSG00000005718	219.552	-0.06814	0.139034	-0.49012
Gmfb	ENSMUSG00000062014	4134.215	0.092738	0.065766	1.410105
Pnn	ENSMUSG00000020994	3423.187	0.039988	0.06316	0.633121
Pold1	ENSMUSG00000038644	3547.119	0.208422	0.092441	2.254655
Dennd5a	ENSMUSG00000035901	3351.998	-0.0325	0.085779	-0.37889
Dpm1	ENSMUSG00000078919	877.6825	-0.01985	0.118927	-0.16695

Luc7l2	ENSMUSG00000029823	5722.354	0.011345	0.098902	0.114706
Ufl1	ENSMUSG00000040359	1741.409	-0.11097	0.096909	-1.14507
Sesn3	ENSMUSG00000032009	6312.295	0.263856	0.13117	2.011554
Snap23	ENSMUSG00000027287	874.526	0.013115	0.105416	0.124415
Celsr3	ENSMUSG00000023473	1401.713	-0.09325	0.124692	-0.74785
Ing1	ENSMUSG00000045969	990.0896	-0.04143	0.110437	-0.37514
Pkp4	ENSMUSG00000026991	3231.373	0.052658	0.062727	0.839481
Pank3	ENSMUSG00000018846	4137.656	0.066618	0.112869	0.590226
Rgs2	ENSMUSG00000026360	239.6598	0.023578	0.135256	0.174318
Plcg2	ENSMUSG00000034330	199.4964	0.00076	0.117708	0.006456
Syf2	ENSMUSG00000028821	1378.166	-0.03977	0.094918	-0.419
Mex3d	ENSMUSG00000048696	336.1726	0.048207	0.127025	0.379509
Cep162	ENSMUSG00000056919	1142.636	0.043662	0.128538	0.339684
Satb2	ENSMUSG00000038331	154.7696	-0.17054	0.122013	-1.39772
Faap24	ENSMUSG00000030493	409.4233	0.027835	0.102762	0.270869
Rpsa	ENSMUSG00000032518	27624.51	0.093121	0.104292	0.892893
Morc3	ENSMUSG00000039456	1699.931	-0.01625	0.08801	-0.18459
Bcl2	ENSMUSG00000057329	159.9896	-0.07703	0.145969	-0.52771
Taf1d	ENSMUSG00000031939	1433.131	0.050544	0.103022	0.490612
Atn1	ENSMUSG00000004263	3677.246	-0.0306	0.095107	-0.32174
Sord	ENSMUSG00000027227	846.9101	0.038139	0.133916	0.284796
Samd1	ENSMUSG00000079003	2575.901	-0.06217	0.11716	-0.53068
Sdhc	ENSMUSG00000058076	3983.77	0.062569	0.081701	0.765831
Actr1b	ENSMUSG00000037351	5958.617	0.004883	0.060024	0.081351
Ulk2	ENSMUSG00000004798	1285.449	-0.11825	0.093535	-1.26419
Kcnh6	ENSMUSG00000001901	2144.911	-0.14683	0.137592	-1.06716
Rasip1	ENSMUSG00000044562	170.729	-0.00737	0.139676	-0.05277
Usp37	ENSMUSG00000033364	1841.851	0.032396	0.085835	0.377423
Zfp27	ENSMUSG00000062040	443.6651	0.08083	0.107796	0.749839
Plk3	ENSMUSG00000028680	3365.402	-0.14104	0.107136	-1.31644
Rapgef4	ENSMUSG00000049044	3219.753	0.023034	0.069543	0.331222
38961	ENSMUSG00000050379	331.1161	0.072879	0.094574	0.770612
Sarnp	ENSMUSG00000078427	1951.716	0.112746	0.085068	1.325352
Sltn	ENSMUSG00000032212	2684.456	0.043775	0.070115	0.624335
Rbm10	ENSMUSG00000031060	3302.107	-0.05587	0.052538	-1.06336
Polr2h	ENSMUSG00000021018	453.8146	0.086727	0.117231	0.739794
Nsmce3	ENSMUSG00000070520	1304.088	-0.01443	0.088808	-0.16247
Scamp5	ENSMUSG00000040722	3801.255	-0.08884	0.071252	-1.24689
Caap1	ENSMUSG00000028578	374.4725	-0.03185	0.094135	-0.33832
Rev1	ENSMUSG00000026082	948.2847	-0.0645	0.115715	-0.55743
Fut10	ENSMUSG00000046152	353.7119	0.003496	0.088181	0.039648
Me3	ENSMUSG00000030621	231.2987	0.219819	0.133013	1.652615
Tm7sf2	ENSMUSG00000024799	942.83	0.454113	0.084303	5.386661
Dnah2	ENSMUSG00000005237	119.0567	-0.00112	0.121477	-0.00922
Polr3a	ENSMUSG00000025280	1049.546	-0.01292	0.072996	-0.17703
Nup93	ENSMUSG00000032939	12582.02	0.005658	0.119876	0.047202
Ankra2	ENSMUSG00000021661	864.0431	0.034608	0.082592	0.419024
Srr	ENSMUSG00000001323	575.7755	0.01184	0.134542	0.088005
Polr3k	ENSMUSG00000038628	1870.359	0.162541	0.07231	2.247837
Eif5a2	ENSMUSG00000050192	1250.107	-0.19848	0.115829	-1.71356
Cdkl2	ENSMUSG00000029403	1218.871	0.204154	0.095444	2.138996
Gatc	ENSMUSG00000029536	1028.893	-0.0559	0.065072	-0.85906

Oxr1	ENSMUSG00000022307	836.1266	-0.05079	0.101729	-0.49924
A930004D	ENSMUSG00000054057	147.167	0.018816	0.142722	0.13184
Chmp4b	ENSMUSG00000038467	4330.572	0.12671	0.095501	1.326786
Slc2a1	ENSMUSG00000028645	3151.705	-0.02426	0.122605	-0.19788
Itpkc	ENSMUSG00000003752	238.7713	0.016999	0.105067	0.161795
Atad5	ENSMUSG00000017550	1060.104	0.043249	0.084269	0.513227
Gbf1	ENSMUSG00000025224	6367.423	0.206748	0.090366	2.287892
Rpl13	ENSMUSG00000000740	12980.93	0.077147	0.121249	0.63627
Fgf14	ENSMUSG00000025551	369.6133	-0.03345	0.118775	-0.2816
Tob2	ENSMUSG00000048546	1066.747	-0.03133	0.120461	-0.2601
Usp24	ENSMUSG00000028514	1804.018	0.066511	0.101628	0.654452
Mipol1	ENSMUSG00000047022	217.7185	0.128218	0.125213	1.023997
Cpsf4	ENSMUSG00000029625	988.7908	-0.01221	0.07957	-0.1534
Sema3f	ENSMUSG00000034684	181.6452	-0.12691	0.109804	-1.15579
Eid2	ENSMUSG00000046058	566.1757	0.029702	0.103308	0.287512
Ankmy2	ENSMUSG00000036188	1052.773	0.053893	0.118224	0.455854
Matk	ENSMUSG00000004933	226.9045	0.050298	0.119859	0.419643
Usp51	ENSMUSG00000067215	217.2913	0.079741	0.144677	0.551162
A930037H	ENSMUSG00000109408	119.9448	0.081511	0.12872	0.633244
Senp3	ENSMUSG00000005204	2532.72	-0.03866	0.080051	-0.48296
Cdk2ap1	ENSMUSG00000029394	7208.265	0.154346	0.049208	3.136608
Rgs19	ENSMUSG00000002458	340.3002	0.082858	0.107777	0.76879
Ets2	ENSMUSG00000022895	1896.69	-0.05675	0.129974	-0.43663
Plcl2	ENSMUSG00000038910	1157.937	-0.00029	0.094173	-0.00309
Csnk1e	ENSMUSG00000022433	1287.885	-0.04525	0.133416	-0.33919
Tax1bp3	ENSMUSG00000040158	960.9465	-0.13938	0.106056	-1.31423
F2rl1	ENSMUSG00000021678	591.0878	-0.10807	0.120212	-0.89904
1810037I	ENSMUSG00000054091	3324.221	0.095059	0.103476	0.918658
Selenof	ENSMUSG00000037072	9592.654	0.018962	0.078483	0.2416
Dok5	ENSMUSG00000027560	336.9431	0.014701	0.137423	0.106973
Cd9	ENSMUSG00000030342	191.4191	0.237515	0.128371	1.850225
Cope	ENSMUSG00000055681	11347.64	0.141953	0.112796	1.2585
Trim37	ENSMUSG00000018548	5302.041	0.160303	0.07439	2.154906
Maff	ENSMUSG00000042622	586.7147	-0.03375	0.113901	-0.29632
Txnrd1	ENSMUSG00000020250	5984.733	0.129762	0.098047	1.323467
Kdm5b	ENSMUSG00000042207	560.9911	-0.20301	0.144932	-1.4007
Itgb3bp	ENSMUSG00000028549	949.0746	0.069728	0.113664	0.613457
Kalrn	ENSMUSG000000061751	265.3095	-0.02015	0.129836	-0.15521
St8sia5	ENSMUSG00000025425	1664.718	0.132655	0.088854	1.492946
Gm26909	ENSMUSG00000097839	78.03206	0.230094	0.145004	1.586807
Zfp346	ENSMUSG00000021481	854.1715	0.019256	0.100531	0.191538
Ggct	ENSMUSG00000002797	224.4726	0.134945	0.111785	1.20718
Zfp90	ENSMUSG00000031907	602.8878	-0.05283	0.077919	-0.67797
Diras1	ENSMUSG00000043670	870.5026	-0.04816	0.111556	-0.43169
Mb21d2	ENSMUSG00000051065	78.0378	-0.13076	0.14232	-0.91881
Fkbp9	ENSMUSG00000029781	8160.981	0.089624	0.111976	0.800386
Dcps	ENSMUSG00000032040	1123.597	0.052166	0.08808	0.59226
Pja1	ENSMUSG00000034403	3717.656	0.125881	0.087883	1.432375
Trit1	ENSMUSG00000028653	346.5537	0.194706	0.099584	1.955206
Hnf4a	ENSMUSG00000017950	442.2969	0.045792	0.145697	0.314299
Dda1	ENSMUSG00000074247	4301.867	0.043138	0.089342	0.482839
Wdr64	ENSMUSG00000026523	119.8972	-0.08796	0.137281	-0.64073

Gmnn	ENSMUSG00000006715	1696.926	0.130308	0.089604	1.454263
Selenoi	ENSMUSG00000075703	1622.042	0.171149	0.106769	1.602978
Dsel	ENSMUSG00000038702	927.0618	0.002744	0.075671	0.036256
Sh3d21	ENSMUSG00000073758	522.1675	0.03644	0.103173	0.353191
2610008E1	ENSMUSG00000060301	357.6657	-0.02279	0.114133	-0.19968
Ttf1	ENSMUSG00000026803	482.2298	-0.05714	0.14261	-0.4007
Igsf1	ENSMUSG00000031111	5537.406	-0.31352	0.077683	-4.03597
Smarca5	ENSMUSG00000031715	5834.868	0.000905	0.113225	0.00799
Fam114a1	ENSMUSG00000029185	1499.715	0.010138	0.113364	0.08943
Atg4a	ENSMUSG00000079418	404.4581	-0.00871	0.109617	-0.07948
Dnajc13	ENSMUSG00000032560	2039.602	0.062667	0.101151	0.61954
Pex14	ENSMUSG00000028975	566.2837	0.055173	0.087464	0.63081
Mis12	ENSMUSG00000040599	2014.449	0.127824	0.078726	1.623667
Nmnat2	ENSMUSG00000042751	276.4456	0.027887	0.140396	0.198632
Zfp263	ENSMUSG00000022529	772.0526	-0.08907	0.084795	-1.05043
Ap1m1	ENSMUSG0000003033	3578.306	-0.00143	0.076266	-0.01874
Tmem175	ENSMUSG00000013495	790.554	-0.04134	0.128661	-0.32129
Psmc7	ENSMUSG00000039067	3617.341	0.129468	0.082138	1.576217
Kansl2	ENSMUSG00000022992	2488.766	0.023158	0.067307	0.344064
Ehd1	ENSMUSG00000024772	998.4959	0.223555	0.065155	3.43111
Cyc1	ENSMUSG00000022551	6233.462	0.171268	0.088716	1.930519
Pde4dip	ENSMUSG00000038170	4380.727	0.020101	0.087064	0.230877
Mospd2	ENSMUSG00000061778	793.6868	0.01899	0.130421	0.145606
Zfand5	ENSMUSG00000024750	1604.619	-0.04201	0.073256	-0.57342
Zbtb8a	ENSMUSG00000028807	443.2178	-0.02052	0.100202	-0.20474
Ak3	ENSMUSG00000024782	1347.954	-0.05176	0.087296	-0.59293
Glis3	ENSMUSG00000052942	923.7841	-0.04446	0.144531	-0.30764
Prepl	ENSMUSG00000024127	3105.918	0.031213	0.112184	0.278229
Plekhh1	ENSMUSG00000060716	592.8437	-0.18001	0.108964	-1.65202
Lsm7	ENSMUSG00000035215	404.3307	0.05731	0.138705	0.413181
Trmt12	ENSMUSG00000037085	367.6922	-0.00803	0.087381	-0.09191
Tnfrsf13	ENSMUSG00000018752	157.943	-0.05917	0.12683	-0.46652
Smc6	ENSMUSG00000020608	3964.17	0.008638	0.087403	0.098825
Rbm12b2	ENSMUSG00000052137	681.2554	-0.06823	0.101687	-0.67099
Slc30a8	ENSMUSG00000022315	18047.16	-0.01259	0.060075	-0.2095
Snx30	ENSMUSG00000028385	2392.272	0.215657	0.123415	1.747418
Syt7	ENSMUSG00000024743	8148.093	0.014049	0.1252	0.112214
Fam102b	ENSMUSG00000040339	376.4173	-0.02506	0.116753	-0.21465
Tpst1	ENSMUSG00000034118	1354.366	0.071998	0.063952	1.125807
Zfp592	ENSMUSG00000005621	1234.75	-0.10727	0.122993	-0.87216
Thsd4	ENSMUSG00000032289	64.22253	0.091922	0.142123	0.646776
Hddc3	ENSMUSG00000030532	452.3567	-0.05052	0.117941	-0.42836
Zfp395	ENSMUSG00000034522	1272.937	-0.02715	0.093159	-0.29147
Abt1	ENSMUSG00000036376	588.8527	0.05577	0.08916	0.62551
Tcta	ENSMUSG00000039461	1468.815	-0.09736	0.119676	-0.81353
AV356131	ENSMUSG000000108461	178.5837	0.254722	0.124098	2.052595
Prr5l	ENSMUSG00000032841	241.5004	0.212854	0.12679	1.678792
Gpatch2l	ENSMUSG00000021254	526.6454	-0.03418	0.105466	-0.32409
Thyn1	ENSMUSG00000035443	1175.482	0.127065	0.104267	1.218655
Gm45902	ENSMUSG00000051396	258.3804	-0.03985	0.115544	-0.3449
Ambra1	ENSMUSG00000040506	1631.819	-0.02776	0.083212	-0.3336
Atp9b	ENSMUSG00000024566	1547.044	0.063881	0.080169	0.796825

Arl4a	ENSMUSG00000047446	1076.313	-0.04641	0.1007	-0.4609
Ube4b	ENSMUSG00000028960	4357.429	0.189913	0.063638	2.984265
Pik3cd	ENSMUSG00000039936	279.3005	0.094673	0.124735	0.758991
Ptrhd1	ENSMUSG00000096199	469.2927	-0.14252	0.101713	-1.40118
Dtx3	ENSMUSG00000040415	2556.226	-0.02446	0.08563	-0.28559
Fbxl14	ENSMUSG00000030019	1362.295	-0.01568	0.093537	-0.16765
Insl3	ENSMUSG00000079019	170.8428	0.035322	0.123223	0.286649
38412	ENSMUSG00000023307	1479.293	-0.01527	0.107828	-0.14158
Phlpp2	ENSMUSG00000031732	1190.336	0.05969	0.10043	0.594339
Cep170b	ENSMUSG00000072825	4379.532	-0.01715	0.103189	-0.16625
38412	ENSMUSG00000111123	1479.293	-0.01527	0.107828	-0.14158
Zfp51	ENSMUSG00000023892	391.4226	-0.03212	0.086324	-0.37208
Dusp7	ENSMUSG00000053716	1157.492	-0.2074	0.089535	-2.31642
Unc50	ENSMUSG00000026111	1799.209	0.005238	0.072092	0.07265
Strada	ENSMUSG00000069631	546.265	-0.07791	0.12066	-0.64573
U2af1l4	ENSMUSG00000078765	943.801	0.057277	0.105512	0.542852
Casz1	ENSMUSG00000028977	1598.046	-0.13254	0.104926	-1.26321
Cwf19l1	ENSMUSG00000025200	541.3479	-0.00266	0.088339	-0.03006
Mon2	ENSMUSG00000034602	2907.036	-0.01937	0.089158	-0.21721
Ctc1	ENSMUSG00000020898	2997.924	0.154279	0.08463	1.822974
Bace2	ENSMUSG00000040605	41866.21	-0.10964	0.123473	-0.88797
Ahcyl2	ENSMUSG00000029772	3199.319	0.173137	0.122177	1.417105
Mfsd4a	ENSMUSG00000059149	169.1052	0.060978	0.14571	0.418489
Nbea	ENSMUSG00000027799	2822.743	0.105619	0.074208	1.423296
Tab1	ENSMUSG00000022414	875.7819	-0.02353	0.08324	-0.28274
Zfp689	ENSMUSG00000048921	333.5177	0.036514	0.102897	0.354861
Vwa1	ENSMUSG00000042116	444.9551	-0.00865	0.136021	-0.06356
Usp13	ENSMUSG00000056900	56.54176	0.161203	0.143043	1.126955
Nme3	ENSMUSG00000073435	793.4353	0.101266	0.11301	0.896081
Rad23b	ENSMUSG00000028426	6633.081	0.08498	0.084861	1.001397
Srsf7	ENSMUSG00000024097	6916.529	0.036768	0.064784	0.567546
Katnb1	ENSMUSG00000031787	1329.034	-0.0335	0.096923	-0.34566
Cul5	ENSMUSG00000032030	1733.701	0.070605	0.072098	0.979289
Al662270	ENSMUSG00000087107	426.9875	0.09959	0.134757	0.739035
2310039H	ENSMUSG00000062619	935.7683	0.092242	0.108892	0.84709
Nsun4	ENSMUSG00000028706	483.1343	0.020155	0.092246	0.218487
Atf6	ENSMUSG00000026663	2820.185	-0.0569	0.112645	-0.50515
Ssrp1	ENSMUSG00000027067	9797.808	0.026885	0.050857	0.528634
Dock9	ENSMUSG00000025558	1974.45	0.007256	0.069269	0.104746
Kat2b	ENSMUSG00000000708	1564.52	-0.11146	0.070103	-1.59002
Nptx2	ENSMUSG00000059991	375.6326	-0.03458	0.124232	-0.27837
Dis3	ENSMUSG00000033166	955.4439	0.063112	0.073881	0.854235
Stag2	ENSMUSG00000025862	3393.377	0.030989	0.09355	0.331259
Pmm2	ENSMUSG00000022711	1772.065	-0.00849	0.08172	-0.1039
Lsm3	ENSMUSG00000034192	1256.923	0.177208	0.111858	1.584219
Metap1d	ENSMUSG00000041921	927.573	0.061999	0.077383	0.801188
Sacm1l	ENSMUSG00000025240	3497.936	0.20314	0.077282	2.628558
Psm12	ENSMUSG00000020720	3010.554	0.097059	0.073733	1.316362
Spred2	ENSMUSG00000045671	900.1799	0.017593	0.13223	0.133047
Pax6	ENSMUSG00000027168	7362.028	-0.07111	0.076822	-0.9257
Cdk5rap2	ENSMUSG00000039298	2628.485	0.109143	0.051094	2.13615
Med31	ENSMUSG00000020801	411.638	-0.05093	0.107256	-0.47483

Dopey2	ENSMUSG00000022946	2929.663	0.05977	0.136205	0.438825
Ddx18	ENSMUSG00000001674	1574.482	-0.00049	0.073622	-0.00661
Rhod	ENSMUSG000000041845	415.9697	0.041784	0.0897	0.46582
Cers2	ENSMUSG00000015714	3347.184	-0.09746	0.062121	-1.56895
Ccnt1	ENSMUSG000000011960	1346.102	0.110701	0.070869	1.562036
Tex9	ENSMUSG000000090626	290.3504	-0.05831	0.096178	-0.60632
Ttc26	ENSMUSG000000056832	490.0334	0.039959	0.102926	0.38823
Lmbr1	ENSMUSG000000010721	528.8031	0.00976	0.087553	0.11148
Vcpkmt	ENSMUSG000000049882	219.6566	0.129373	0.099905	1.294965
Pde4d	ENSMUSG000000021699	423.4947	-0.02063	0.10547	-0.19558
Ric3	ENSMUSG000000048330	758.1439	0.072958	0.107124	0.681059
Crtc3	ENSMUSG000000030527	797.684	0.058195	0.072338	0.804477
C9orf72	ENSMUSG000000028300	637.4545	-0.03331	0.111275	-0.29935
Prkag1	ENSMUSG000000067713	2458.427	0.032426	0.080093	0.404857
Carmil3	ENSMUSG000000022211	3082.406	0.036858	0.076405	0.482397
Gm45140	ENSMUSG000000107928	220.8685	-0.07907	0.075063	-1.05341
Gpr137	ENSMUSG000000024958	1209.882	0.020704	0.126178	0.164088
Arl5a	ENSMUSG000000036093	5142.104	-0.07094	0.060359	-1.17526
Pum2	ENSMUSG000000020594	5478.544	0.036637	0.094695	0.386896
Fam120b	ENSMUSG000000014763	1728.316	0.064744	0.064737	1.000112
4931406P1	ENSMUSG000000066571	739.5731	-0.10355	0.142953	-0.72434
1810043G	ENSMUSG000000020284	1215.496	0.110221	0.091476	1.204915
Macf1	ENSMUSG000000028649	3108.199	-0.09233	0.071599	-1.28961
Nhlh2	ENSMUSG000000048540	378.8594	0.087152	0.094484	0.922402
Nsd2	ENSMUSG000000057406	5291.456	-0.00464	0.086513	-0.0536
Cpsf1	ENSMUSG000000034022	2734.506	0.042734	0.089548	0.47722
Arl6ip4	ENSMUSG000000029404	1446.207	0.022024	0.086484	0.254658
Pan3	ENSMUSG000000029647	920.4674	-0.10767	0.08291	-1.29864
Mef2d	ENSMUSG000000001419	2773.901	0.051041	0.094786	0.538491
Tigar	ENSMUSG000000038028	2093.48	0.090506	0.074525	1.214445
Supt4a	ENSMUSG000000020485	634.6352	-0.02332	0.111355	-0.20946
Zfp39	ENSMUSG000000037001	262.6524	-0.01583	0.109733	-0.14425
Map2k1	ENSMUSG000000004936	2745.591	-0.05807	0.142243	-0.40826
Ap2s1	ENSMUSG000000008036	5215.208	0.149161	0.121073	1.231988
Hacl1	ENSMUSG000000021884	229.4383	0.10678	0.104271	1.024067
Rundc3a	ENSMUSG000000006575	8123.827	0.087967	0.080611	1.09125
Ppa2	ENSMUSG000000028013	713.0786	-0.06465	0.113247	-0.57089
Tle3	ENSMUSG000000032280	3485.129	-0.09481	0.08308	-1.14123
Mnat1	ENSMUSG000000021103	576.8516	-0.03006	0.091888	-0.32716
Etfb	ENSMUSG000000004610	2219.665	0.118641	0.13359	0.888099
Nfu1	ENSMUSG000000029993	1148.72	0.090176	0.107503	0.838827
Gm14288	ENSMUSG000000078889	308.9551	0.046503	0.120642	0.385466
Twsg1	ENSMUSG000000024098	10017.2	-0.1119	0.115037	-0.97272
Zswim5	ENSMUSG000000033948	824.7499	-0.19723	0.132365	-1.49002
Mboat7	ENSMUSG000000035596	2435.59	0.085489	0.082673	1.034051
Lrrc17	ENSMUSG000000039883	2818.988	0.101207	0.144896	0.698483
Abhd14b	ENSMUSG000000042073	992.099	0.214575	0.107465	1.996693
Yipf4	ENSMUSG000000024072	2095.934	-0.04572	0.08502	-0.5378
Xylt1	ENSMUSG000000030657	1257.933	-0.04265	0.122681	-0.34763
Nfx1	ENSMUSG000000028423	3545.132	-0.00202	0.06503	-0.03109
Grina	ENSMUSG000000022564	6193.101	-0.03719	0.122025	-0.30477
Kdm2b	ENSMUSG000000029475	6497.959	0.316755	0.11501	2.754146

Zcchc8	ENSMUSG00000029427	1624.481	-0.00567	0.071149	-0.07976
Zfp786	ENSMUSG00000051499	72.67849	0.041808	0.141446	0.295578
Tmem178k	ENSMUSG00000057716	566.6286	-0.09533	0.091375	-1.04333
Gas8	ENSMUSG00000040220	1267.975	0.093923	0.10216	0.919368
Fam89b	ENSMUSG00000024939	953.7799	-0.01679	0.098663	-0.17018
Xkr7	ENSMUSG00000042631	174.4589	0.049567	0.145889	0.33976
Pef1	ENSMUSG00000028779	1684.083	-0.02354	0.083957	-0.28035
Glrx5	ENSMUSG00000021102	1202.73	0.057724	0.098151	0.588117
Det1	ENSMUSG00000030610	395.6826	-0.17613	0.084665	-2.08026
Crif3	ENSMUSG00000017561	402.7541	-0.01927	0.094592	-0.20368
Crtc1	ENSMUSG00000003575	1796.786	0.067873	0.10265	0.661212
Glce	ENSMUSG00000032252	2475.029	0.165118	0.100245	1.647137
Abhd11	ENSMUSG00000040532	563.1379	0.048006	0.127118	0.377647
Gstt1	ENSMUSG00000001663	340.6562	-0.05334	0.140859	-0.37867
Trpc1	ENSMUSG00000032839	2075.109	-0.00879	0.1132	-0.07766
Noc4l	ENSMUSG00000033294	1189.237	0.122053	0.072245	1.689416
Zswim9	ENSMUSG00000070814	454.3147	0.021337	0.095284	0.223931
Slc39a7	ENSMUSG00000024327	7990.028	0.04517	0.063429	0.712137
Slc25a51	ENSMUSG00000045973	3231.163	0.042637	0.073708	0.57846
Elac1	ENSMUSG00000036941	415.1339	-0.12479	0.125654	-0.9931
Rab12	ENSMUSG00000023460	2170.577	0.084037	0.084125	0.998955
Spata24	ENSMUSG00000024352	230.4513	0.128286	0.104921	1.22269
Pigb	ENSMUSG00000079469	637.2191	-0.12756	0.100955	-1.26349
Pygo2	ENSMUSG00000047824	2061.213	-0.03572	0.059633	-0.59903
Fbxl16	ENSMUSG00000025738	4355.668	-0.05663	0.054924	-1.0311
Pggt1b	ENSMUSG00000024477	267.3609	0.002598	0.124414	0.020879
Crebbp	ENSMUSG00000022521	1204.676	0.034583	0.094405	0.366321
Fdxr	ENSMUSG00000018861	608.2321	0.069673	0.07891	0.882941
Chchd6	ENSMUSG00000030086	805.9403	0.101463	0.119605	0.848315
Stk17b	ENSMUSG00000026094	914.9588	0.01263	0.103558	0.121965
Mtch1	ENSMUSG00000024012	14969.35	0.118559	0.112978	1.049394
Rgs3	ENSMUSG00000059810	3977.77	0.132118	0.091369	1.445981
Aph1b	ENSMUSG00000032375	522.8117	0.087951	0.085693	1.026354
Fbxw8	ENSMUSG00000032867	3123.552	0.108299	0.066161	1.636892
Cdh6	ENSMUSG00000039385	197.0839	-0.02175	0.145984	-0.14896
Usp28	ENSMUSG00000032267	595.209	0.064739	0.091736	0.705703
Rassf5	ENSMUSG00000026430	246.0951	0.139684	0.14203	0.983481
Gm20939	ENSMUSG00000095193	131.622	0.03988	0.13103	0.304359
Gorab	ENSMUSG00000040124	506.4611	0.042582	0.095894	0.444048
Pdcd5	ENSMUSG00000030417	1494.014	0.145019	0.125805	1.152728
Atxn3	ENSMUSG00000021189	406.5458	-0.01424	0.109636	-0.1299
Mtmr7	ENSMUSG00000039431	3563.115	-0.02521	0.107074	-0.23544
Rpl7l1	ENSMUSG00000063888	2338.871	0.12459	0.060655	2.054086
Jrkl	ENSMUSG00000079083	218.2484	0.079088	0.125602	0.629675
Lockd	ENSMUSG00000098318	2134.871	0.111948	0.116206	0.963363
Smu1	ENSMUSG00000028409	2801.539	0.008188	0.069059	0.118569
Rpl39	ENSMUSG00000079641	5770.584	0.195011	0.112886	1.727497
Ccdc157	ENSMUSG00000051427	712.0545	-9.23E-05	0.090236	-0.00102
Pvr	ENSMUSG00000040511	495.4973	-0.12078	0.119974	-1.00674
Pcdhgb1	ENSMUSG000000103037	221.3847	0.123007	0.144913	0.848831
Neil3	ENSMUSG00000039396	3688.527	0.020526	0.127357	0.16117
Rnf24	ENSMUSG00000048911	184.4707	-0.04561	0.132754	-0.34357

Kif2c	ENSMUSG00000028678	1545.543	-0.0369	0.086592	-0.42619
Clip1	ENSMUSG00000049550	2197.756	-0.02466	0.112485	-0.21924
Mrps27	ENSMUSG00000041632	757.4774	0.164445	0.071832	2.289318
Enah	ENSMUSG00000022995	2560.853	-0.02156	0.089873	-0.23988
Thrap3	ENSMUSG00000043962	6610.869	0.068521	0.081841	0.837248
Aen	ENSMUSG00000030609	1431.488	0.052803	0.111715	0.472657
Tprgl	ENSMUSG00000029030	2089.709	-0.04219	0.087962	-0.47962
Ube2a	ENSMUSG00000016308	1896.624	0.034607	0.081557	0.424328
Sptlc1	ENSMUSG00000021468	1358.567	-0.03159	0.077918	-0.4054
Tspan33	ENSMUSG00000001763	105.5483	-0.02961	0.122037	-0.2426
Hmgb2	ENSMUSG00000054717	9396.374	-0.16011	0.088659	-1.80589
Nr3c2	ENSMUSG00000031618	116.1691	-0.28664	0.120145	-2.38575
Ppp2ca	ENSMUSG00000020349	8794.238	0.068359	0.056848	1.202489
Gng4	ENSMUSG00000021303	3741.933	-0.16035	0.103842	-1.54417
Dcaf1	ENSMUSG00000040325	1732.201	-0.01346	0.08173	-0.16469
Robo1	ENSMUSG00000022883	1534.438	-0.04399	0.140088	-0.31401
Nkiras1	ENSMUSG00000021772	699.9634	0.171873	0.136635	1.2579
Mrps16	ENSMUSG00000049960	1105.362	0.041527	0.113912	0.364555
Msh6	ENSMUSG00000005370	2876.342	0.043992	0.069514	0.63285
Armcx1	ENSMUSG00000033460	1392.016	0.056827	0.133615	0.425306
Cacna1c	ENSMUSG00000051331	3542.794	0.08869	0.079965	1.109105
Mrnip	ENSMUSG00000020381	348.4822	0.048362	0.117083	0.413053
Zfp213	ENSMUSG00000071256	938.7711	0.103747	0.085923	1.207441
Ccdc73	ENSMUSG00000045106	53.09917	0.093177	0.141296	0.659445
Snrbp	ENSMUSG00000027404	6636.502	-0.00439	0.07536	-0.05829
Camk2g	ENSMUSG00000021820	870.4482	0.083269	0.091809	0.906986
Hnrnp3	ENSMUSG00000020069	2148.982	0.208921	0.118351	1.765266
Pcdhga6	ENSMUSG000000103793	207.7624	0.101729	0.145762	0.697911
Gm18537	ENSMUSG000000108484	589.6653	-0.13955	0.145656	-0.95809
Vac14	ENSMUSG00000010936	2170.226	-0.01858	0.118732	-0.1565
AI597479	ENSMUSG00000010290	663.111	-0.03691	0.087229	-0.42312
Nucb1	ENSMUSG00000030824	9185.058	-0.12791	0.079108	-1.61685
Rorc	ENSMUSG00000028150	1272.269	-0.04445	0.084064	-0.52872
Tbl3	ENSMUSG00000040688	1835.581	0.17645	0.120286	1.466923
Clptm1	ENSMUSG00000002981	7886.44	0.045023	0.062974	0.714953
Wbp11	ENSMUSG00000030216	3302.713	0.075172	0.075801	0.991693
Tuba1c	ENSMUSG00000043091	6403.243	-0.01948	0.085027	-0.2291
Ccdc126	ENSMUSG00000050786	199.113	-0.11366	0.094146	-1.20729
Slc2a5	ENSMUSG00000028976	11400.43	-0.01079	0.130394	-0.08273
Sigmar1	ENSMUSG00000036078	1678.273	0.054724	0.104316	0.524595
Ang	ENSMUSG00000072115	2196.558	-0.02675	0.109831	-0.24357
Nxn	ENSMUSG00000020844	856.8974	0.191926	0.109191	1.757715
Atat1	ENSMUSG00000024426	506.891	0.049067	0.084426	0.581179
Rpl7	ENSMUSG00000043716	18777.27	0.090649	0.093573	0.968746
Sqor	ENSMUSG00000005803	776.5373	0.034453	0.108689	0.316989
Arrb2	ENSMUSG00000060216	1734.438	0.002115	0.084373	0.025071
Rbbp8	ENSMUSG00000041238	1931.961	-0.00383	0.081986	-0.04671
Clec16a	ENSMUSG00000068663	717.6599	0.077544	0.111547	0.695171
Zfp866	ENSMUSG00000043090	1301.161	-0.00907	0.103195	-0.08792
Smc2	ENSMUSG00000028312	4045.342	0.066583	0.105358	0.631976
Mtmt6	ENSMUSG00000021987	2644.044	0.032612	0.073541	0.443454
Exoc3	ENSMUSG00000034152	1886.571	0.087619	0.089698	0.976814

Rpl13a	ENSMUSG00000074129	24759.36	0.130422	0.107523	1.212961
Dars	ENSMUSG00000026356	3036.428	0.034003	0.072698	0.467729
Dpp9	ENSMUSG00000001229	3839.691	-0.01389	0.08208	-0.16924
Fbxo33	ENSMUSG00000035329	774.6287	0.006236	0.11052	0.056424
Atg12	ENSMUSG00000032905	1417.099	-0.05814	0.075072	-0.77443
9330182LC	ENSMUSG00000056004	2418.252	-0.12673	0.095709	-1.32406
Slc19a1	ENSMUSG00000001436	413.2146	0.006465	0.089272	0.072414
Ankhd1	ENSMUSG00000024483	2854.12	0.024234	0.090268	0.26847
Hspa13	ENSMUSG00000032932	5187.517	0.032621	0.116255	0.280597
Twf2	ENSMUSG00000023277	1090.387	-0.04252	0.082866	-0.51312
Rgs9	ENSMUSG00000020599	2328.532	-0.04829	0.096306	-0.50144
Gm12396	ENSMUSG00000056412	106.8867	-0.12066	0.145409	-0.82976
Hs6st3	ENSMUSG00000053465	37.75588	0.006301	0.145406	0.043336
Incenp	ENSMUSG00000024660	3333.492	0.044236	0.064567	0.68512
Rnf186	ENSMUSG00000070661	262.25	-0.01868	0.14583	-0.1281
Mettl15	ENSMUSG00000057234	184.6255	0.026876	0.107269	0.250547
Bach1	ENSMUSG00000025612	894.8046	-0.10622	0.126219	-0.84154
Arntl	ENSMUSG00000055116	523.8885	0.004961	0.137735	0.036018
Reep3	ENSMUSG00000019873	1594.446	-0.19349	0.094681	-2.04362
Zc3hc1	ENSMUSG00000039130	684.0552	0.172345	0.094939	1.815318
Slc12a5	ENSMUSG00000017740	857.4856	-0.06795	0.127683	-0.5322
Tfb2m	ENSMUSG00000026492	851.3718	0.025474	0.093984	0.271048
Gm20667	ENSMUSG00000093726	164.9647	0.0218	0.110175	0.197866
Bckdha	ENSMUSG00000060376	1215.249	-0.07406	0.090129	-0.82168
Nlgn2	ENSMUSG00000051790	2402.346	0.061836	0.127603	0.484595
Abrac1	ENSMUSG00000078453	2695.306	-0.01343	0.087802	-0.15293
Gmppb	ENSMUSG00000070284	1789.763	0.089632	0.098408	0.910825
Dpysl3	ENSMUSG00000024501	188.4862	0.270726	0.12899	2.098814
Cldn23	ENSMUSG00000055976	238.9165	-0.10758	0.146001	-0.73682
Ess2	ENSMUSG00000003527	773.65	0.031699	0.082326	0.385039
Zfp54	ENSMUSG00000023882	266.3095	0.004359	0.102784	0.04241
Pld3	ENSMUSG00000003363	6643.399	0.101826	0.097651	1.042753
Bcl2l11	ENSMUSG00000027381	1968.915	0.04287	0.074323	0.5768
4932702PC	ENSMUSG00000086796	45.02448	0.169411	0.145632	1.163283
Spock2	ENSMUSG00000058297	2619.85	0.008603	0.108289	0.079441
Agbl3	ENSMUSG00000038836	285.3419	-0.03154	0.126419	-0.24947
Gm15500	ENSMUSG00000086583	15415.06	0.095452	0.108296	0.881402
Tlk1	ENSMUSG00000041997	2453.217	-0.09477	0.107312	-0.88316
Paqr4	ENSMUSG00000023909	1202.106	-0.06404	0.085645	-0.74779
Zmiz1	ENSMUSG00000007817	4779.246	0.06825	0.101817	0.670324
Ttc37	ENSMUSG00000033991	664.0432	0.109921	0.123884	0.887294
Meg3	ENSMUSG00000021268	1667.778	0.268585	0.14154	1.897589
Glb1	ENSMUSG00000045594	2598.502	-0.10496	0.0565	-1.85764
1810026BC	ENSMUSG00000101970	1027.434	0.044036	0.11121	0.395974
Lin52	ENSMUSG00000085793	564.3227	-0.00737	0.075615	-0.0975
Tada1	ENSMUSG00000026563	988.9055	0.0182	0.07029	0.25892
Clcn6	ENSMUSG00000029016	770.9855	0.133523	0.114056	1.170677
Gadd45a	ENSMUSG00000036390	3088.85	0.105705	0.144119	0.733455
Usp46	ENSMUSG00000054814	907.3401	-0.02317	0.081099	-0.28574
Morn2	ENSMUSG00000045257	496.1347	-0.03588	0.105522	-0.34007
Stx5a	ENSMUSG00000010110	3223.883	-0.00166	0.087516	-0.01895
Ier5l	ENSMUSG00000089762	163.9862	-0.07459	0.137044	-0.54429

Crybg3	ENSMUSG00000022723	3722.31	0.017147	0.105651	0.162297
Aifm1	ENSMUSG00000036932	1297.924	0.172872	0.081697	2.116024
Plekha2	ENSMUSG00000031557	2968.844	0.034236	0.075319	0.45454
Gm28036	ENSMUSG00000098950	398.0608	0.014417	0.114434	0.125985
Gusb	ENSMUSG00000025534	2890.502	0.004966	0.075121	0.066111
Mxra8	ENSMUSG00000029070	219.1917	0.22263	0.124558	1.787366
Poldip3	ENSMUSG00000041815	3960.532	0.042085	0.055917	0.752628
Emsy	ENSMUSG00000035401	1838.1	-0.04322	0.088022	-0.49102
Tbc1d8	ENSMUSG00000003134	801.265	-0.07603	0.108985	-0.69757
Sapcd2	ENSMUSG00000026955	1694.147	-0.03809	0.109237	-0.34868
CT010467.	ENSMUSG00000106106	111668	0.039271	0.143076	0.274476
Mtf2	ENSMUSG00000029267	930.3189	0.022874	0.093324	0.245102
Dpy19l4	ENSMUSG00000045205	1104.408	0.084957	0.103579	0.820214
Cep350	ENSMUSG00000033671	1338.167	0.012397	0.106109	0.116833
Umad1	ENSMUSG00000089862	987.516	0.038337	0.103631	0.369939
Pgr	ENSMUSG00000031870	137.8992	-0.23528	0.143675	-1.63756
Bak1	ENSMUSG00000057789	760.4962	0.059747	0.096638	0.618255
Igf2	ENSMUSG00000048583	37444.61	-0.02555	0.101051	-0.2528
Prpf38a	ENSMUSG00000063800	1735.793	0.070471	0.090039	0.782674
Fancd2	ENSMUSG00000034023	898.8226	0.036645	0.084156	0.435443
Vsnl1	ENSMUSG00000054459	373.3309	-0.00796	0.146002	-0.05455
Nolc1	ENSMUSG00000015176	3216.362	0.105812	0.083946	1.260471
Gsk3a	ENSMUSG00000057177	4809.162	0.060676	0.057685	1.051864
Hsf2	ENSMUSG00000019878	1041.409	0.047905	0.088386	0.542001
Nebi	ENSMUSG00000053702	272.7846	0.068645	0.115235	0.595701
Kif22	ENSMUSG00000030677	2570.69	0.011595	0.081147	0.14289
Fut8	ENSMUSG00000021065	960.9321	-0.11266	0.098474	-1.14408
Dmxl2	ENSMUSG00000041268	2041.241	-0.08342	0.087526	-0.9531
Sh3bp1	ENSMUSG00000022436	1684.644	0.066302	0.113518	0.584069
Htr1d	ENSMUSG00000070687	504.3587	0.041544	0.130819	0.317568
Fbxo18	ENSMUSG00000058594	1663.278	0.082314	0.079607	1.034001
Cuedc2	ENSMUSG00000036748	3033.586	0.080454	0.097345	0.826484
Slfn5	ENSMUSG00000054404	59.85444	0.155386	0.13744	1.130574
Zscan12	ENSMUSG00000036721	268.0643	-0.17525	0.103966	-1.68565
Osbpl2	ENSMUSG00000039050	1951.535	0.043248	0.059397	0.728127
Pcyox1	ENSMUSG00000029998	2144.388	0.005063	0.096576	0.05243
Ext2	ENSMUSG00000027198	2953.317	-0.01546	0.069228	-0.22334
Edem3	ENSMUSG00000043019	2138.07	0.045486	0.113769	0.399807
Tex261	ENSMUSG00000014748	3792.88	0.003331	0.085968	0.038748
Sbf2	ENSMUSG00000038371	1318.615	0.049935	0.103851	0.48083
Alkbh6	ENSMUSG00000042831	1451.24	0.142241	0.096503	1.473958
Prpf4b	ENSMUSG00000021413	2062.396	-0.04976	0.10863	-0.45804
Dgcr2	ENSMUSG00000003166	3884.327	-0.01763	0.051871	-0.3399
Aldh1l2	ENSMUSG00000020256	3344.133	0.018613	0.126923	0.146652
Clk3	ENSMUSG00000032316	2614.773	-0.03487	0.121313	-0.28741
Itgav	ENSMUSG00000027087	3328.455	-0.03003	0.130076	-0.23089
Smarcal1	ENSMUSG00000039354	1180.441	0.086024	0.123133	0.698629
Nadk2	ENSMUSG00000022253	509.2599	0.039661	0.141686	0.27992
Cc2d1b	ENSMUSG00000028582	2211.057	-0.0716	0.077361	-0.92547
Ddx10	ENSMUSG00000053289	563.8715	-0.02578	0.07313	-0.35258
Apold1	ENSMUSG00000090698	45.69593	0.121326	0.145902	0.831558
Il17ra	ENSMUSG00000002897	795.7222	-0.01052	0.09136	-0.1152

Plekham1	ENSMUSG00000034247	702.2258	-0.02388	0.089954	-0.26552
Flii	ENSMUSG00000002812	2334.524	0.078115	0.11404	0.684977
Mier3	ENSMUSG00000032727	728.8827	-0.0665	0.093238	-0.71327
Fanca	ENSMUSG00000032815	1304.808	0.048992	0.076891	0.637167
Clk2	ENSMUSG00000068917	1324.718	0.0103	0.085592	0.120343
Zfp326	ENSMUSG00000029290	751.622	-0.01465	0.121088	-0.12102
Hexim1	ENSMUSG00000048878	2210.548	-0.03833	0.081736	-0.46892
Aldoa	ENSMUSG00000030695	60087.27	-0.00055	0.145983	-0.00376
Zfp287	ENSMUSG00000005267	310.892	-0.07961	0.102731	-0.77497
Enoph1	ENSMUSG00000029326	739.392	0.148134	0.079011	1.874855
Smim24	ENSMUSG00000078439	4012.101	0.003775	0.127344	0.029642
Cep120	ENSMUSG00000048799	1426.006	-0.1981	0.058844	-3.36659
Slc25a12	ENSMUSG00000027010	3185.316	0.10754	0.063454	1.694767
Ndufs3	ENSMUSG00000005510	1610.924	0.145127	0.097164	1.493627
Taf10	ENSMUSG00000043866	2788.955	0.047583	0.108658	0.43792
Lipt2	ENSMUSG00000030725	151.3054	-0.09156	0.131194	-0.69792
Ip6k1	ENSMUSG00000032594	3609.763	-0.05605	0.090256	-0.62105
Zfp763	ENSMUSG00000067430	194.4221	-0.02774	0.11188	-0.24791
Akr1e1	ENSMUSG00000045410	717.2987	-0.03369	0.128728	-0.26169
Neu3	ENSMUSG00000035239	137.6576	0.114182	0.142863	0.799239
Pfkfb2	ENSMUSG00000026409	1985.796	0.050575	0.138705	0.364622
Xrcc5	ENSMUSG00000026187	1580.226	-0.03795	0.104967	-0.36155
Rian	ENSMUSG00000097451	934.5075	0.247322	0.138324	1.787992
Rian	ENSMUSG000000107391	934.5075	0.247322	0.138324	1.787992
Amer1	ENSMUSG00000050332	579.5024	-0.02485	0.127106	-0.1955
Nsun5	ENSMUSG00000000916	515.3367	0.054468	0.086875	0.626973
Kcnb2	ENSMUSG00000092083	448.1897	-0.0143	0.114138	-0.12527
Usp25	ENSMUSG00000022867	760.3437	-0.1248	0.088547	-1.40945
Rarg	ENSMUSG00000001288	503.549	-0.03721	0.118624	-0.31371
Wdr75	ENSMUSG00000025995	1258.953	0.008422	0.101527	0.082954
Lzts3	ENSMUSG00000037703	1049.764	-0.02517	0.068068	-0.36977
Prkab1	ENSMUSG00000029513	2849.934	-0.0551	0.102387	-0.5382
4933434E2	ENSMUSG00000027942	2626.277	0.011963	0.10415	0.114864
Slc25a5	ENSMUSG00000016319	17108.21	0.121886	0.084646	1.43994
Akr7a5	ENSMUSG00000028743	811.4316	-0.013	0.103464	-0.12569
Dbnl	ENSMUSG00000020476	4440.045	0.182839	0.10105	1.80939
Rps6kb2	ENSMUSG00000024830	448.7469	-0.03037	0.100244	-0.30297
Psmg4	ENSMUSG00000071451	359.6286	0.100785	0.118293	0.851998
Iffo1	ENSMUSG00000038271	1054.192	0.016514	0.077717	0.212491
Fads2	ENSMUSG00000024665	4373.691	0.070915	0.140942	0.503154
Birc3	ENSMUSG00000032000	144.2177	-0.0997	0.14019	-0.71115
Fam192a	ENSMUSG00000031774	1530.93	0.054201	0.083254	0.651034
Ptch1	ENSMUSG00000021466	1927.846	-0.0584	0.116273	-0.50223
Abcb6	ENSMUSG00000026198	1318.183	-0.03201	0.128379	-0.2493
Clstn3	ENSMUSG00000008153	1659.663	0.134257	0.074156	1.81046
Hsph1	ENSMUSG00000029657	3661.765	0.088302	0.133564	0.661126
Bptf	ENSMUSG00000040481	2443.151	-0.00087	0.077794	-0.01115
Cyp51	ENSMUSG00000001467	4848.549	0.279464	0.13078	2.136905
Irf2bp2	ENSMUSG00000051495	2818.322	0.049855	0.105835	0.471068
Comtd1	ENSMUSG00000021773	399.816	0.151735	0.141384	1.073212
Tpra1	ENSMUSG00000002871	968.2255	-0.11114	0.080261	-1.38475
Rbm17	ENSMUSG00000037197	2429.823	0.034579	0.091573	0.377605

Cc2d2a	ENSMUSG00000039765	598.5789	0.027058	0.132245	0.204603
Khdc4	ENSMUSG00000028060	2443.333	0.021728	0.080419	0.270185
Disp1	ENSMUSG00000030768	270.6094	0.062549	0.117863	0.530692
Arhgap24	ENSMUSG00000057315	1490.477	0.100584	0.078289	1.284778
Yes1	ENSMUSG00000014932	718.9362	0.019674	0.131226	0.149922
Tomm34	ENSMUSG00000018322	1484.547	0.079569	0.097914	0.812645
Farsa	ENSMUSG00000003808	2725.998	0.065082	0.112925	0.57633
Rbl2	ENSMUSG000000031666	1252.4	-0.14322	0.09825	-1.45771
Ptpdc1	ENSMUSG00000038042	1168.906	-0.11238	0.081559	-1.37792
Crybb3	ENSMUSG00000029352	935.0094	-0.05894	0.115413	-0.5107
Cldn7	ENSMUSG00000018569	908.8221	-0.01259	0.130054	-0.09682
Rgs4	ENSMUSG00000038530	10180.53	-0.19088	0.107825	-1.77028
Snx14	ENSMUSG00000032422	1615.159	0.032639	0.066787	0.488704
Ndufa5	ENSMUSG00000023089	2396.874	0.204074	0.120308	1.696268
Mrpl37	ENSMUSG00000028622	1859.09	0.09045	0.076204	1.186953
Pde6d	ENSMUSG00000026239	1830.188	0.142346	0.105208	1.353001
Lacc1	ENSMUSG00000044350	726.9656	0.086025	0.084293	1.020549
Dnajb1	ENSMUSG00000005483	2714.528	0.032117	0.118716	0.270537
Gtf2a1	ENSMUSG00000020962	1625.562	-0.11898	0.070957	-1.67677
Stk32a	ENSMUSG00000039954	2776.952	-0.17141	0.129077	-1.32798
Ripk4	ENSMUSG00000005251	2071.147	0.061143	0.108017	0.566051
Ube2i	ENSMUSG00000015120	4608.927	0.0457	0.051278	0.891218
Ubc	ENSMUSG00000008348	33285.84	0.039804	0.092969	0.428143
Tmem231	ENSMUSG000000031951	902.3179	-0.05659	0.101876	-0.55545
Dmrta1	ENSMUSG00000043753	627.4951	-0.19115	0.145871	-1.31037
Nuf2	ENSMUSG00000026683	2775.435	0.00296	0.070544	0.041953
Cir1	ENSMUSG00000041777	567.3854	-0.04146	0.073003	-0.56786
Larp4b	ENSMUSG00000033499	4175.235	0.176544	0.077021	2.292162
Celsr2	ENSMUSG000000068740	653.6558	0.039878	0.126986	0.314038
Fer	ENSMUSG000000000127	555.5579	0.075748	0.092452	0.819328
Ndufaf8	ENSMUSG00000078572	403.5207	0.143917	0.125766	1.144319
Fam160b1	ENSMUSG00000033478	979.5369	-0.10461	0.11651	-0.89784
Pacs2	ENSMUSG00000021143	2182.628	0.044615	0.068783	0.648627
St8sia4	ENSMUSG00000040710	268.2331	0.046298	0.122399	0.378259
A630052C	ENSMUSG00000086725	122.258	-0.02818	0.123439	-0.22832
Nup107	ENSMUSG000000052798	2169.778	0.114929	0.078432	1.465329
Diaph1	ENSMUSG00000024456	2714.931	0.110296	0.084937	1.298566
Grcc10	ENSMUSG00000072772	2871.637	-0.04229	0.112679	-0.37534
Mroh2a	ENSMUSG00000079429	892.7114	0.127485	0.146006	0.873154
Mettl22	ENSMUSG00000039345	305.8352	0.021935	0.122371	0.179251
Fbxo7	ENSMUSG00000001786	1130.368	0.033153	0.070825	0.468105
Tedc1	ENSMUSG000000037466	2030.321	0.039514	0.111215	0.355296
Dmbx1	ENSMUSG00000028707	839.9374	-0.06584	0.096372	-0.68321
Frmd4a	ENSMUSG00000026657	2073.574	-0.06782	0.109593	-0.61882
Oscp1	ENSMUSG00000042616	502.4161	0.078141	0.126714	0.616669
Morn4	ENSMUSG00000049670	1097.262	0.121172	0.097936	1.237251
Gigyf2	ENSMUSG00000048000	1896.987	-0.03249	0.108281	-0.30004
Kdm4c	ENSMUSG00000028397	916.8446	-0.1497	0.106127	-1.41053
Fam19a5	ENSMUSG000000054863	1003.415	-0.06187	0.122606	-0.50465
Rnf214	ENSMUSG00000042790	972.1094	0.07042	0.084776	0.830661
Snrnp200	ENSMUSG00000003660	4918.895	0.015869	0.079766	0.198948
Amer2	ENSMUSG00000021986	108.7281	-0.01048	0.132139	-0.07928

Gm5577	ENSMUSG00000084950	225.1974	0.079009	0.100908	0.782984
Hectd3	ENSMUSG00000046861	1168.222	0.080303	0.058579	1.370857
Gpr39	ENSMUSG00000026343	65.1929	0.194371	0.145963	1.331645
Ipo7	ENSMUSG00000066232	5056.797	0.110055	0.108517	1.014181
Zfyve26	ENSMUSG00000066440	542.7471	-0.00276	0.123373	-0.02235
Aacs	ENSMUSG00000029482	4673.224	0.195676	0.086948	2.250491
Ccnb2-ps	ENSMUSG00000083718	167.8512	-0.05639	0.137303	-0.41072
Polq	ENSMUSG00000034206	838.438	0.128626	0.087144	1.476006
Ankrd28	ENSMUSG00000014496	1090.09	0.063162	0.109593	0.576334
Myo1d	ENSMUSG00000035441	1106.58	0.05431	0.083669	0.649106
Eefsec	ENSMUSG00000033216	1170.03	0.062739	0.081973	0.765354
Adi1	ENSMUSG00000020629	5217.739	0.117299	0.08442	1.389467
Rps6kb2	ENSMUSG00000097721	448.7469	-0.03037	0.100244	-0.30297
Rps27rt	ENSMUSG00000050621	6581.399	0.1816	0.116659	1.556677
Rubcn	ENSMUSG00000035629	1934.155	0.087968	0.05604	1.569747
Gtse1	ENSMUSG00000022385	1733.303	-0.00426	0.058429	-0.07287
Hist1h1d	ENSMUSG00000052565	45.63221	0.01129	0.143898	0.07846
Coa6	ENSMUSG00000051671	444.9814	0.074426	0.106171	0.701001
Slc9a7	ENSMUSG00000037341	848.7034	0.224535	0.131911	1.702171
Tmem35a	ENSMUSG00000033578	323.2391	-0.10388	0.146001	-0.71147
4933431E2	ENSMUSG00000086968	422.974	0.276495	0.109671	2.521126
Chpf	ENSMUSG00000032997	5347.617	0.086993	0.078552	1.107455
Tnks	ENSMUSG00000031529	3516.761	-0.02123	0.128224	-0.16557
Nipa1	ENSMUSG00000047037	523.3057	0.011643	0.098153	0.118621
Espl1	ENSMUSG00000058290	1525.411	0.00022	0.104209	0.002112
Wdr1	ENSMUSG00000005103	3394.272	-0.05139	0.105174	-0.48862
Sharpin	ENSMUSG00000022552	1351.036	-0.01238	0.099173	-0.12484
Prkab2	ENSMUSG00000038205	1082.72	0.102201	0.094119	1.085867
Usb1	ENSMUSG00000031792	702.4613	-0.07505	0.096734	-0.77582
Crnkl1	ENSMUSG00000001767	974.9421	0.050761	0.070838	0.716573
Nagpa	ENSMUSG00000023143	291.7711	0.074361	0.112744	0.659552
Prr14l	ENSMUSG00000054280	1288.959	-0.04359	0.108209	-0.40279
Ppp3cb	ENSMUSG00000021816	3922.107	0.046896	0.088767	0.528305
Spire1	ENSMUSG00000024533	1760.447	0.022548	0.0738	0.305527
Pkn2	ENSMUSG00000004591	1721.015	-0.0458	0.088209	-0.51917
Lasp1	ENSMUSG00000038366	5067.215	0.068193	0.080236	0.84991
St3gal3	ENSMUSG00000028538	1449.657	0.071492	0.091312	0.782944
Lca5	ENSMUSG00000032258	334.0575	0.112875	0.132286	0.853264
Scd2	ENSMUSG00000025203	50610.8	0.089087	0.140902	0.632261
Cars	ENSMUSG00000010755	3207.265	0.222245	0.140143	1.585846
Dusp10	ENSMUSG00000039384	1326.265	0.030225	0.085639	0.35294
Crip1	ENSMUSG00000006360	1868.712	0.169972	0.123574	1.375469
Cables2	ENSMUSG00000038990	1108.164	-0.07285	0.080385	-0.90629
Trappc5	ENSMUSG00000040236	1140.454	-0.01268	0.099424	-0.12756
Vps37a	ENSMUSG00000031600	3464.307	-0.00289	0.1003	-0.02881
Tspan18	ENSMUSG00000027217	121.7799	0.366102	0.145691	2.512858
Cenpj	ENSMUSG00000064128	818.5353	-0.01701	0.087755	-0.19383
Mtmt14	ENSMUSG00000030269	1182.173	-0.00108	0.079138	-0.0137
Rpp21	ENSMUSG00000024446	532.3024	-0.00611	0.1081	-0.0565
Lage3	ENSMUSG00000015289	837.1435	0.100097	0.13099	0.764154
Mrps11	ENSMUSG00000030611	1622.673	0.137089	0.10786	1.270997
Prkcsh	ENSMUSG00000003402	8665.705	0.020336	0.087211	0.233179

Rhob	ENSMUSG00000054364	2256.679	0.043446	0.064396	0.674664
Mroh1	ENSMUSG00000022558	3203.846	0.100225	0.125372	0.799421
Smim11	ENSMUSG00000051989	471.4953	0.069336	0.114647	0.604779
Fam171a1	ENSMUSG00000050530	904.8072	0.037283	0.087992	0.423707
Nat14	ENSMUSG00000035285	758.0439	0.111352	0.107568	1.035178
Zfp74	ENSMUSG00000059975	429.986	-0.07616	0.090202	-0.84431
Dnaja3	ENSMUSG00000004069	2359.502	0.024243	0.083313	0.290988
Cpe	ENSMUSG00000037852	142820.2	0.044782	0.087662	0.510849
Parp10	ENSMUSG00000063268	717.5225	0.008437	0.115931	0.072772
Fancm	ENSMUSG00000055884	1119.432	-0.05162	0.104633	-0.49337
40422	ENSMUSG00000019917	427.035	-0.15435	0.09488	-1.62677
Ubp1	ENSMUSG00000009741	2308.481	-0.0615	0.078909	-0.77934
Top2a	ENSMUSG00000020914	17862.57	-0.0042	0.080003	-0.05255
Ykt6	ENSMUSG00000002741	4954.533	0.140297	0.075031	1.869853
Ssh2	ENSMUSG00000037926	1152.318	0.176191	0.093319	1.888046
Vdac2	ENSMUSG00000021771	7697.051	0.158879	0.064778	2.452678
Pdia3	ENSMUSG00000027248	28529.84	0.093613	0.078265	1.196109
Zc3h14	ENSMUSG00000021012	6091.272	0.060557	0.05238	1.156119
Scg3	ENSMUSG00000032181	35958.92	-0.03072	0.069911	-0.43937
Atp5e	ENSMUSG00000016252	5929.846	0.159061	0.112049	1.419571
Ube2z	ENSMUSG00000014349	4956.386	0.050043	0.058812	0.850902
Zbtb17	ENSMUSG00000006215	666.595	-0.04753	0.091972	-0.51677
Tmem106l	ENSMUSG00000029571	1858.915	0.016665	0.100217	0.166289
D3Ertd254	ENSMUSG00000033883	359.478	-0.01274	0.113323	-0.11245
B2m	ENSMUSG00000060802	2573.33	-0.1136	0.138369	-0.82103
Tbc1d9	ENSMUSG00000031709	2229.598	-0.10237	0.099551	-1.02828
Frmd8	ENSMUSG00000024816	858.3746	0.101243	0.077003	1.314796
Ybx3	ENSMUSG00000030189	4204.367	0.041862	0.075336	0.555669
Tdp1	ENSMUSG00000021177	688.4381	-0.00862	0.092935	-0.09278
Wdfy2	ENSMUSG00000014547	55.51163	0.080277	0.142193	0.564562
Pdcd7	ENSMUSG00000041837	370.5703	-0.0329	0.095028	-0.34616
Rab5if	ENSMUSG00000027637	1864.541	0.067272	0.104733	0.642314
Anapc15	ENSMUSG00000030649	1043.837	0.090182	0.111897	0.805943
St8sia3	ENSMUSG00000056812	821.4677	-0.09742	0.119458	-0.81551
Nt5dc1	ENSMUSG00000039480	222.1183	-0.20572	0.133251	-1.54386
Rfng	ENSMUSG00000025158	1453.123	0.023552	0.06636	0.354908
Mlx	ENSMUSG00000017801	2804.175	0.146897	0.078864	1.862666
Zdhhc8	ENSMUSG00000060166	1195.146	0.071805	0.075475	0.951372
Hars2	ENSMUSG00000019143	1056.703	0.057643	0.083493	0.690396
Dgat1	ENSMUSG00000022555	800.4327	0.033513	0.104515	0.320654
2510009EC	ENSMUSG00000043391	858.5134	-0.03835	0.144994	-0.26449
Zfp707	ENSMUSG00000034429	400.4576	0.045182	0.108568	0.416164
Trip11	ENSMUSG00000021188	2069.07	0.028375	0.103408	0.274398
Slc2a8	ENSMUSG00000026791	600.2175	0.059207	0.123194	0.480596
Wdr91	ENSMUSG00000058486	405.3554	0.145064	0.090355	1.605491
Cript	ENSMUSG00000024146	1816.709	-0.02099	0.081151	-0.25866
Nudt7	ENSMUSG00000031767	490.7965	-0.07279	0.099428	-0.73212
Lmo1	ENSMUSG00000036111	2040.016	-0.15172	0.082934	-1.82938
Cystm1	ENSMUSG00000046727	4114.7	0.116804	0.101165	1.154587
Galc	ENSMUSG00000021003	1202.327	-0.03683	0.125141	-0.29432
Ugp2	ENSMUSG00000001891	1657.269	0.070653	0.084287	0.838244
Srsf6	ENSMUSG00000016921	8813.301	0.054091	0.059234	0.913179

Atp5s	ENSMUSG00000054894	290.2188	0.109657	0.129973	0.843693
Mbd3	ENSMUSG00000035478	4795.174	0.083513	0.075566	1.10516
Txnrd2	ENSMUSG00000099282	703.0924	0.10611	0.08326	1.274438
Rwdd2b	ENSMUSG00000041079	438.5	-0.01255	0.107975	-0.11624
Nol10	ENSMUSG00000061458	676.593	0.043211	0.07733	0.55879
Ddhd2	ENSMUSG00000061313	821.3379	0.038673	0.092756	0.41693
Uvssa	ENSMUSG00000037355	472.2803	-0.05927	0.118471	-0.50026
Tsnax	ENSMUSG00000056820	4206.864	0.044947	0.073743	0.609509
Pabpn1	ENSMUSG00000022194	2657.835	0.109198	0.07697	1.418711
Cbx2	ENSMUSG00000025577	839.091	-0.04195	0.107285	-0.39102
Armcx5	ENSMUSG00000072969	367.4404	0.028308	0.114756	0.246678
Igsf10	ENSMUSG00000036334	125.2597	0.066026	0.140459	0.47007
Crb3	ENSMUSG00000044279	893.2263	-0.00233	0.122011	-0.01909
Krcc1	ENSMUSG00000053012	1626.882	-0.01112	0.070656	-0.15737
Dact1	ENSMUSG00000044548	429.0289	0.019495	0.090554	0.215282
Zdhhc8	ENSMUSG00000108733	1195.146	0.071805	0.075475	0.951372
Pik3c2b	ENSMUSG00000026447	73.64973	-0.07965	0.145563	-0.54719
Siah1a	ENSMUSG00000036840	884.4388	-0.09712	0.10759	-0.90267
Wdcp	ENSMUSG00000051721	239.7729	0.000382	0.144588	0.00264
Ugt1a6a	ENSMUSG00000054545	233.3675	0.08362	0.128793	0.649261
Gdpd1	ENSMUSG00000061666	795.9292	-0.08242	0.136079	-0.60566
Cdk11b	ENSMUSG00000029062	3368.927	0.08941	0.053974	1.656554
Zmat5	ENSMUSG00000009076	381.4922	0.066174	0.119278	0.554789
Ndufs3	ENSMUSG00000111727	1610.924	0.145127	0.097164	1.493627
Tor3a	ENSMUSG00000060519	1838.714	0.226986	0.099768	2.275134
Mtpap	ENSMUSG00000024234	437.8275	0.066448	0.087284	0.761284
Dctn5	ENSMUSG00000030868	2299.212	0.010028	0.071896	0.139475
Pcdha3	ENSMUSG00000102312	524.3863	-0.01871	0.096746	-0.19344
Utp11	ENSMUSG00000028907	737.6509	0.059286	0.081991	0.723077
Txn14a	ENSMUSG00000057130	1447.85	0.122744	0.113379	1.082596
1700096K1	ENSMUSG00000101856	157.2757	-0.04235	0.127575	-0.33198
Gbe1	ENSMUSG00000022707	1243.243	0.026116	0.115634	0.22585
Rps6kb1	ENSMUSG00000020516	1476.316	0.05085	0.088008	0.577783
Snhg5	ENSMUSG00000097195	659.0723	-0.00329	0.11677	-0.0282
Mettl17	ENSMUSG00000004561	658.5308	-0.02556	0.093827	-0.2724
Tmem201	ENSMUSG00000044700	1473.325	0.101367	0.055191	1.836672
Mthfd1l	ENSMUSG00000040675	2350.338	0.145353	0.093469	1.555084
1110012L1	ENSMUSG00000045237	417.8511	0.095681	0.090264	1.060005
Adnp2	ENSMUSG00000053950	1038.478	-0.03704	0.09808	-0.37761
Kif16b	ENSMUSG00000038844	741.0096	-0.01006	0.092661	-0.10856
Usp49	ENSMUSG00000090115	1099.727	-0.03887	0.104626	-0.37153
Eef1a1	ENSMUSG00000037742	158159	0.144287	0.091993	1.568462
Cdk5rap1	ENSMUSG00000027487	282.9188	0.034764	0.101616	0.342109
Nudt16l1	ENSMUSG00000022516	1808.036	0.127301	0.108856	1.16944
Ncoa1	ENSMUSG00000020647	1382.166	-0.0201	0.088551	-0.22695
C030029H1	ENSMUSG00000110027	47.92191	0.174051	0.128802	1.351299
Ranbp3	ENSMUSG00000002372	4385.903	0.177071	0.056353	3.142182
Tomm22	ENSMUSG00000022427	2608.604	0.032872	0.093258	0.35248
Pcyt1a	ENSMUSG00000005615	895.0863	0.130583	0.073872	1.767694
Ptcd2	ENSMUSG00000021650	1006.594	0.043915	0.079307	0.553736
Dcx	ENSMUSG00000031285	8434.613	0.046485	0.128922	0.36057
Gpatch1	ENSMUSG00000063808	506.157	0.071654	0.083391	0.859244

Pigyl	ENSMUSG00000010607	719.6406	0.071611	0.125374	0.571181
Ndufa8	ENSMUSG00000026895	3080.104	0.162952	0.101083	1.612063
Prlr	ENSMUSG00000005268	1765.923	0.108198	0.14008	0.7724
Taf13	ENSMUSG00000048100	781.2978	0.095458	0.067721	1.409576
Kif3b	ENSMUSG00000027475	2039.993	0.05724	0.074513	0.768184
Rsb1	ENSMUSG00000044098	848.0674	-0.04085	0.136766	-0.29871
Rpl21	ENSMUSG00000041453	13504.12	0.117097	0.109241	1.071921
Minos1	ENSMUSG00000050608	4020.736	-0.0073	0.107495	-0.06788
Nadk	ENSMUSG00000029063	2240.569	0.12344	0.05298	2.329935
Fam219b	ENSMUSG00000032305	820.3878	0.035564	0.095437	0.372646
Golph3l	ENSMUSG00000046519	1024.584	0.062817	0.09079	0.691886
Atxn7l1	ENSMUSG00000020564	223.6482	-0.03136	0.116921	-0.26825
Plekha8	ENSMUSG00000005225	742.9759	-0.11717	0.088643	-1.32177
Pus7l	ENSMUSG00000033356	71.60469	0.118841	0.146	0.813979
Tmem161a	ENSMUSG00000002342	1720.296	0.084993	0.097172	0.874663
Ccnd3	ENSMUSG00000034165	1569.204	0.034967	0.127617	0.274
Erbin	ENSMUSG00000021709	1724.827	0.043652	0.116742	0.373922
Sh2d3c	ENSMUSG00000059013	403.2288	-0.17291	0.111483	-1.55097
Gm24245	ENSMUSG00000087943	1009.322	0.05585	0.117689	0.474555
Zfp870	ENSMUSG00000095325	94.36147	0.014851	0.136977	0.108417
Ints12	ENSMUSG00000028016	627.6391	0.025034	0.076749	0.326175
Papss2	ENSMUSG00000024899	27705.71	-0.01002	0.08174	-0.1226
Rpn2	ENSMUSG00000027642	35533.53	0.004231	0.090134	0.046937
Cpd	ENSMUSG00000020841	3939.921	-0.0357	0.094233	-0.37888
Gm24270	ENSMUSG00000076281	1009.322	0.05585	0.117689	0.474555
Gm23935	ENSMUSG00000076258	1009.322	0.05585	0.117689	0.474555
Gpat4	ENSMUSG00000031545	3284.521	0.03755	0.097483	0.385196
Timm10b	ENSMUSG00000089847	1325.404	0.092276	0.102487	0.900366
Cdk20	ENSMUSG00000021483	351.9178	0.073831	0.108746	0.678924
Washc3	ENSMUSG00000020056	891.5451	0.066764	0.099427	0.671486
St3gal2	ENSMUSG00000031749	816.8469	-0.07063	0.074441	-0.94881
Myef2	ENSMUSG00000027201	4864.872	0.021078	0.079636	0.264682
Zfhx4	ENSMUSG00000025255	818.9921	-0.07137	0.122337	-0.58338
Gm31518	ENSMUSG00000110447	684.9152	0.181732	0.145696	1.247335
Hprt	ENSMUSG00000025630	5554.512	0.032162	0.068683	0.468272
Tars	ENSMUSG00000022241	3047.484	0.097605	0.123467	0.790532
Arhgap17	ENSMUSG00000030766	899.0907	0.126397	0.105898	1.193576
Nol7	ENSMUSG00000063200	2864.504	0.076433	0.103873	0.735827
Faim	ENSMUSG00000032463	654.2633	0.059694	0.107829	0.553602
90306220	ENSMUSG00000086141	84.14202	0.180743	0.135853	1.330425
Mta1	ENSMUSG00000021144	1992.149	-0.10062	0.078248	-1.28594
Slx4ip	ENSMUSG00000027281	397.6561	-0.07128	0.096885	-0.73571
Ppp2cb	ENSMUSG00000009630	2723.423	0.040132	0.092901	0.431986
Prmt9	ENSMUSG00000037134	708.4703	0.008498	0.08606	0.098746
Thoc7	ENSMUSG00000053453	2277.804	-0.03203	0.074887	-0.42773
Adck2	ENSMUSG00000046947	616.5436	0.072353	0.08648	0.836642
Pnmal2	ENSMUSG00000070802	3123.716	0.20885	0.080448	2.596093
9130401M	ENSMUSG00000101892	867.0291	0.082787	0.122115	0.677944
Dmxl1	ENSMUSG00000037416	1281.78	-0.04149	0.129204	-0.32108
Slc25a32	ENSMUSG00000107007	130.39	0.114297	0.107323	1.06498
Leng1	ENSMUSG00000078813	447.2608	0.165963	0.10867	1.52722
9230112EC	ENSMUSG00000070461	235.5876	-0.02968	0.138837	-0.21381

Pbx2	ENSMUSG00000034673	982.6797	-0.00436	0.095862	-0.04546
Cbwd1	ENSMUSG00000024878	687.3645	-0.00709	0.09996	-0.07096
Zfp513	ENSMUSG00000043059	778.9204	-0.07942	0.09473	-0.8384
Kcnd2	ENSMUSG00000060882	294.2434	-0.21949	0.119068	-1.84341
Adam23	ENSMUSG00000025964	577.988	-0.09825	0.144849	-0.67829
Map3k9	ENSMUSG00000042724	936.9627	0.035103	0.106403	0.329902
Zfp7	ENSMUSG00000033669	569.8402	0.013689	0.101547	0.134807
Myo7a	ENSMUSG00000030761	571.3334	-0.07929	0.104958	-0.75542
Eif2a	ENSMUSG00000027810	2453.773	0.090066	0.079687	1.130246
4930402H	ENSMUSG00000027309	1785.738	0.01725	0.097773	0.176429
Cyld	ENSMUSG00000036712	3122.189	0.081626	0.119063	0.685572
Zfp292	ENSMUSG00000039967	1421.793	-0.06294	0.145211	-0.43342
Gosr1	ENSMUSG00000010392	1988.49	0.034348	0.071574	0.479895
Kbtbd8	ENSMUSG00000030031	166.6891	-0.15454	0.131916	-1.17153
Pax5	ENSMUSG00000014030	604.8678	0.058596	0.138155	0.424131
Wdr18	ENSMUSG00000035754	1340.897	0.174744	0.086908	2.010678
Tmem184c	ENSMUSG00000031617	2626.693	-0.03977	0.113324	-0.3509
Hey1	ENSMUSG00000040289	435.3626	0.100922	0.140081	0.720455
Prps1l3	ENSMUSG00000079104	843.9691	0.038269	0.104552	0.366026
Fam171b	ENSMUSG00000048388	2281.4	-0.19718	0.097911	-2.01392
E2f1	ENSMUSG00000027490	3821.674	0.201665	0.065018	3.101669
BC002059	ENSMUSG00000060149	257.1554	-0.00585	0.100977	-0.05792
Agpat3	ENSMUSG00000001211	6709.645	0.144098	0.091472	1.575329
Zfyve21	ENSMUSG00000021286	752.6682	0.136461	0.089494	1.524809
Tmem131	ENSMUSG00000026116	1951.14	-0.03918	0.104651	-0.37441
Cdk8	ENSMUSG00000029635	2270.843	0.139057	0.066079	2.104395
Ndufa7	ENSMUSG00000041881	2570.871	0.006832	0.107375	0.063626
Hfe	ENSMUSG00000006611	739.0499	0.106299	0.138531	0.767333
Chd6	ENSMUSG00000057133	1151.71	-0.10028	0.095137	-1.05401
E2f8	ENSMUSG00000046179	2215.922	-0.03011	0.134205	-0.22439
Abl1	ENSMUSG00000026842	1864.791	0.093414	0.085447	1.093238
Sars2	ENSMUSG00000070699	649.756	-0.01411	0.076935	-0.18334
2310033P	ENSMUSG00000020441	518.6689	0.034518	0.121817	0.283359
Mon1a	ENSMUSG00000032583	594.4491	0.099116	0.093013	1.065619
Slc38a9	ENSMUSG00000047789	161.0017	-0.15876	0.107826	-1.47235
Bcl7a	ENSMUSG00000029438	1201.634	-0.03578	0.079969	-0.44737
Msantd2	ENSMUSG00000042138	599.2944	0.009249	0.109968	0.084102
Men1	ENSMUSG000000106695	1207.128	0.053855	0.102719	0.524296
Atp6v0c	ENSMUSG00000024121	21891.75	0.155285	0.080594	1.926751
Sccpdh	ENSMUSG00000038936	1754.467	-0.08735	0.077151	-1.13225
Rsph3b	ENSMUSG00000023806	1649.51	0.111591	0.082001	1.360846
Zfp551	ENSMUSG00000034071	36.69246	0.064755	0.145964	0.443637
Tctn2	ENSMUSG00000029386	715.091	0.036045	0.096445	0.373739
Tnk1	ENSMUSG00000001583	753.4179	0.039226	0.077751	0.504504
Exoc2	ENSMUSG00000021357	1060.561	-0.06878	0.078518	-0.87593
Gfer	ENSMUSG00000040888	1008.098	0.086563	0.092595	0.934858
Rrp12	ENSMUSG00000035049	771.9513	0.180842	0.091077	1.985604
2610021A	ENSMUSG000000091474	422.6972	-0.05128	0.136336	-0.37614
Ddr2	ENSMUSG00000026674	55.33791	0.048407	0.146005	0.331539
Pex5	ENSMUSG00000005069	1364.588	0.111607	0.070803	1.576299
Coro1a	ENSMUSG00000030707	242.1508	0.216659	0.115404	1.877405
Zfand4	ENSMUSG00000042213	329.9645	-0.04516	0.127404	-0.35449

Zfp282	ENSMUSG00000025821	1254.769	-0.00953	0.057567	-0.16557
Mybbp1a	ENSMUSG00000040463	3610.291	0.157725	0.081835	1.927358
Ccnt2	ENSMUSG00000026349	1973.797	-0.15012	0.097933	-1.53291
Gpr157	ENSMUSG00000047875	184.2675	0.071307	0.115529	0.617223
Rrp7a	ENSMUSG00000018040	2891.832	0.046675	0.068753	0.678877
Zfp771	ENSMUSG00000054716	358.9596	0.107031	0.141191	0.758059
Npm3	ENSMUSG00000056209	460.6845	0.055946	0.112891	0.495576
Trappc2l	ENSMUSG00000015013	1471.667	0.048534	0.099377	0.488382
Hbegf	ENSMUSG00000024486	750.001	-0.20071	0.099746	-2.01222
Kcnh7	ENSMUSG00000059742	217.5636	0.022096	0.116916	0.18899
BC005561	ENSMUSG00000079065	147.9675	0.09306	0.145659	0.638886
Rmdn3	ENSMUSG00000070730	1741.945	0.088343	0.06888	1.282552
Tsen15	ENSMUSG00000014980	1036.016	0.03552	0.089622	0.396335
Myh10	ENSMUSG00000020900	1769.447	-0.11004	0.086656	-1.26982
Ift22	ENSMUSG00000007987	1100.112	0.079349	0.103037	0.770096
Top1mt	ENSMUSG00000000934	446.2726	0.098442	0.100916	0.975482
Gxylt1	ENSMUSG00000036197	1534.739	-0.16266	0.08415	-1.93294
Cenpa	ENSMUSG00000029177	2895.762	-0.02678	0.077373	-0.34608
Dek	ENSMUSG00000021377	6971.431	0.113939	0.071735	1.588341
Slc26a6	ENSMUSG000000107138	175.9084	0.034771	0.124583	0.279097
Mknk1	ENSMUSG00000028708	906.0218	-0.07371	0.091512	-0.80552
Csnk1a1	ENSMUSG00000024576	9045.813	0.08117	0.068239	1.189507
Efl1	ENSMUSG00000038563	730.9666	0.093141	0.068725	1.355271
Slc6a15	ENSMUSG00000019894	592.6271	0.000338	0.144967	0.002333
Wdr26	ENSMUSG00000038733	3160.414	0.042385	0.07758	0.546337
Lrrn1	ENSMUSG00000034648	2509.068	-0.22727	0.114333	-1.98779
Metrl	ENSMUSG00000039208	166.3132	0.090645	0.134329	0.674798
Itm2c	ENSMUSG00000026223	7158.986	0.019774	0.082732	0.239016
Ccsap	ENSMUSG00000031971	529.9351	0.146225	0.098357	1.48667
Smoc1	ENSMUSG00000021136	638.6544	-0.00473	0.120343	-0.03932
Fahd1	ENSMUSG00000045316	876.382	0.117176	0.095934	1.221426
Zbtb20	ENSMUSG00000022708	655.8349	-0.10831	0.111789	-0.96885
Ssh3	ENSMUSG00000034616	653.6062	-0.00539	0.096765	-0.05574
Slc26a6	ENSMUSG00000023259	175.9084	0.034771	0.124583	0.279097
Gart	ENSMUSG00000022962	3227.713	0.209575	0.064821	3.233128
Pum3	ENSMUSG00000041360	1122.775	0.101402	0.09295	1.090927
Ppp1r8	ENSMUSG00000028882	2312.338	0.097127	0.061511	1.579031
Slc25a35	ENSMUSG00000018740	411.3978	0.149714	0.112154	1.334893
Gm20712	ENSMUSG000000093677	187.0238	0.041763	0.124497	0.335453
Vps41	ENSMUSG00000041236	2941.824	0.06238	0.05297	1.177667
Bloc1s3	ENSMUSG00000057667	501.2673	0.028952	0.113261	0.255625
Nampt	ENSMUSG00000020572	3499.266	-0.00672	0.143866	-0.04671
Suox	ENSMUSG00000049858	1284.054	0.039366	0.135063	0.291467
Tulp3	ENSMUSG00000001521	1144.148	0.157027	0.063166	2.485954
Naa10	ENSMUSG00000031388	1600.367	0.113574	0.107856	1.053011
Rapgef2	ENSMUSG00000062232	1007.326	-0.01648	0.090009	-0.18315
Cwc15	ENSMUSG00000004096	2821.946	0.067694	0.082028	0.825247
Ripor1	ENSMUSG00000038604	2211.813	0.049684	0.117688	0.422171
Cbr1	ENSMUSG00000051483	1467.56	0.008313	0.100826	0.082449
Fbxo34	ENSMUSG00000037536	915.2447	-0.01036	0.077597	-0.13355
4931406C	ENSMUSG00000031938	797.6302	0.040194	0.11491	0.349789
Sugp1	ENSMUSG00000011306	1996.4	0.016033	0.077401	0.207137

Trmt2b	ENSMUSG00000067369	1633.34	0.139209	0.077952	1.785835
Hspa4	ENSMUSG00000020361	6988.963	0.18541	0.059001	3.142479
Unc13a	ENSMUSG00000034799	3560.569	0.004468	0.139698	0.031982
Mfsd14a	ENSMUSG00000089911	2216.995	0.007028	0.085358	0.082338
Tsta3	ENSMUSG00000022570	1571.202	0.089551	0.112628	0.795105
Naa20	ENSMUSG00000002728	4026.101	0.090484	0.068333	1.324168
Serpina3n	ENSMUSG00000021091	285.0172	-0.05757	0.145394	-0.39594
Cox6c	ENSMUSG00000014313	7152.685	0.071945	0.103502	0.695105
Zfp946	ENSMUSG00000071266	957.0016	-0.02964	0.085631	-0.3461
Borcs6	ENSMUSG00000045176	239.7074	0.075423	0.12817	0.588464
Psme3	ENSMUSG00000078652	3701.285	-0.1587	0.047996	-3.30642
Ccdc90b	ENSMUSG00000030613	513.7142	0.119042	0.108854	1.093589
Atp6v1f	ENSMUSG00000004285	4383.585	0.049602	0.096821	0.51231
Six4	ENSMUSG00000034460	463.0432	-0.12678	0.12723	-0.99648
Ctsd	ENSMUSG00000007891	13691.34	-0.06174	0.112801	-0.54736
Tshz1	ENSMUSG00000046982	4063.088	-0.16522	0.118761	-1.39124
Trnau1ap	ENSMUSG00000028898	904.0586	-0.03727	0.108426	-0.34375
Zfp462	ENSMUSG00000060206	1285.611	-0.04256	0.128434	-0.33141
Pyurf	ENSMUSG00000043162	887.2723	0.103321	0.097911	1.055245
Rab39b	ENSMUSG00000031202	1471.025	-0.06151	0.123204	-0.49926
Haus5	ENSMUSG00000078762	3236.519	0.212705	0.096911	2.194837
E130307A1	ENSMUSG00000087177	142.9394	0.012665	0.139639	0.090701
Wrap73	ENSMUSG00000029029	763.8618	0.04065	0.087961	0.462136
Mamld1	ENSMUSG00000059401	846.0376	-0.06306	0.127301	-0.49538
Txndc11	ENSMUSG00000022498	2691.886	0.15332	0.094338	1.625216
Cep63	ENSMUSG00000032534	1010.119	0.013583	0.095027	0.142934
Brd9	ENSMUSG00000057649	1439.245	0.135098	0.058504	2.3092
Fbxl3	ENSMUSG00000022124	1252.763	-0.13656	0.126008	-1.08374
Fmn1	ENSMUSG00000055805	370.0064	-0.04991	0.125257	-0.39844
Med25	ENSMUSG00000002968	3990.986	0.091645	0.083451	1.0982
Prkcd	ENSMUSG00000021948	448.5794	-0.01512	0.124953	-0.12098
Gm17586	ENSMUSG00000097062	322.5003	0.128888	0.098758	1.305096
Tor1aip1	ENSMUSG00000026466	2376.28	0.085123	0.083767	1.016186
Dctpp1	ENSMUSG00000042462	1322.253	0.118307	0.102472	1.154531
Fkbp8	ENSMUSG00000019428	8921.042	0.058691	0.081623	0.719051
Hopx	ENSMUSG00000059325	1161.293	0.153272	0.133351	1.149386
Scg2	ENSMUSG00000050711	190648.2	-0.04145	0.127157	-0.32601
2700099C1	ENSMUSG00000098090	565.614	-0.06837	0.107246	-0.63747
Gm9531	ENSMUSG00000079225	584.2509	0.040762	0.143188	0.284674
2900026A1	ENSMUSG00000051339	4097.954	0.068871	0.122456	0.562409
Nudt12	ENSMUSG00000024228	188.7505	0.082269	0.127947	0.642993
Ncaph	ENSMUSG00000034906	3359.698	0.030095	0.064102	0.469493
Men1	ENSMUSG00000024947	1207.128	0.053855	0.102719	0.524296
Stxbp5	ENSMUSG00000019790	2009.838	0.080933	0.07959	1.016876
ExpH5	ENSMUSG00000034584	239.0315	0.02778	0.145636	0.190751
Gatad2a	ENSMUSG00000036180	3646.254	0.094387	0.085537	1.103463
Hnrnp1l	ENSMUSG00000024095	2575.832	-0.01822	0.06975	-0.26119
Cbfa2t3	ENSMUSG00000006362	741.4374	0.106708	0.145988	0.730933
Vezf1	ENSMUSG00000098546	916.6215	-0.1251	0.094464	-1.32435
Vezf1	ENSMUSG00000018377	916.6215	-0.1251	0.094464	-1.32435
Cdc42se2	ENSMUSG00000052298	2898.737	0.016609	0.101582	0.163504
Pola1	ENSMUSG00000006678	2002.652	0.059971	0.106715	0.561975

Fbxl19	ENSMUSG00000030811	1000.74	-0.02382	0.073018	-0.32628
Fam43a	ENSMUSG00000046546	598.1006	-0.02185	0.143708	-0.15205
Lrch3	ENSMUSG00000022801	1472.979	-0.01006	0.077313	-0.13015
Mapk13	ENSMUSG00000004864	409.1871	0.056764	0.118144	0.480462
Acadvl	ENSMUSG00000018574	2484.524	0.163975	0.077055	2.128015
Ttpal	ENSMUSG00000017679	2024.968	0.030216	0.082989	0.364101
Rxbp1	ENSMUSG00000039656	1713.252	-0.05688	0.083874	-0.67811
Mier1	ENSMUSG00000028522	1097.057	0.059654	0.075849	0.786482
Ddb1	ENSMUSG00000024740	12493.82	-0.0142	0.071483	-0.19861
Setmar	ENSMUSG00000034639	173.9029	-0.02885	0.111518	-0.25869
Apeh	ENSMUSG00000032590	2114.014	0.111165	0.112294	0.989951
H2-K1	ENSMUSG000000061232	13337.49	-0.02233	0.141083	-0.15831
Mrpl18	ENSMUSG00000057388	1427.153	0.201745	0.105119	1.919201
Pde3b	ENSMUSG00000030671	4606.67	-0.03079	0.099481	-0.30946
Zfp637	ENSMUSG00000059689	589.5947	-0.09357	0.104271	-0.89737
Pgam5	ENSMUSG00000029500	2060.476	0.057856	0.05932	0.975329
Nucb2	ENSMUSG00000030659	4209.672	0.032977	0.101104	0.326168
Klf3	ENSMUSG00000029178	345.3802	0.048433	0.141408	0.342507
Xrcc2	ENSMUSG00000028933	831.3798	-0.03779	0.080818	-0.46763
2900093K2	ENSMUSG000000099632	248.6926	0.021133	0.126155	0.167512
Smg7	ENSMUSG00000042772	2599.094	-0.05358	0.095276	-0.56234
Snph	ENSMUSG00000027457	1870.859	0.017813	0.111595	0.159623
Ttll7	ENSMUSG00000036745	2156.05	0.032675	0.089951	0.363253
Enpp3	ENSMUSG00000019989	94.55631	0.164371	0.145659	1.128461
Pcdhgc4	ENSMUSG00000023036	1703.393	0.001734	0.126198	0.01374
Jpt1	ENSMUSG00000020737	4387.11	0.075985	0.081281	0.934841
Hnrnpf	ENSMUSG00000042079	13054.84	-0.02627	0.069968	-0.37539
Arl5b	ENSMUSG00000017418	659.1125	-0.10662	0.135982	-0.78405
Crmp1	ENSMUSG00000029121	1862.675	0.176587	0.067198	2.627848
Rpl14-ps1	ENSMUSG00000046721	47.06096	0.011545	0.036375	0.317389
Taar1	ENSMUSG00000056379	62.56168	-0.03623	0.139406	-0.25988
Smarca4	ENSMUSG00000032187	7345.582	-0.02363	0.071282	-0.33151
Slc25a32	ENSMUSG00000022299	130.39	0.114297	0.107323	1.06498
Ngrn	ENSMUSG00000047084	1121.886	0.049551	0.088256	0.56144
Ripk1	ENSMUSG00000021408	1299.091	-0.10072	0.079352	-1.26924
Cdk19	ENSMUSG00000038481	1946.653	-0.09061	0.083272	-1.08813
Atm	ENSMUSG00000034218	1075.689	-0.00738	0.144945	-0.05089
Rbm47	ENSMUSG00000070780	1210.793	0.001108	0.10789	0.010266
Etv5	ENSMUSG00000013089	1206.355	0.027594	0.140765	0.19603
Hmces	ENSMUSG00000030060	2157.892	0.178436	0.071559	2.493543
Fam126a	ENSMUSG00000028995	570.4638	0.212633	0.115731	1.83731
Iars2	ENSMUSG00000026618	1491.092	-0.069	0.062361	-1.1065
Zfyve9	ENSMUSG00000034557	744.061	-0.17912	0.0751	-2.38505
Jagn1	ENSMUSG00000051256	1699.321	0.062812	0.087783	0.715535
Cpsf7	ENSMUSG00000034820	2776.257	-0.01996	0.071924	-0.27747
Gltf	ENSMUSG00000011884	2904.181	-0.14073	0.07171	-1.96244
Dock11	ENSMUSG00000031093	1655.996	0.119171	0.100148	1.189951
Ndufs5	ENSMUSG00000028648	2514.055	0.078093	0.109818	0.711114
Gm28040	ENSMUSG00000098306	103.4296	0.038001	0.145753	0.260722
Dpy19l3	ENSMUSG00000043671	435.4297	0.249279	0.12026	2.072842
Fam216a	ENSMUSG00000029463	2600.304	0.116806	0.079271	1.473493
4930555FC	ENSMUSG00000031559	42.28353	0.119474	0.144317	0.827859

Hivep1	ENSMUSG00000021366	1213.341	-0.13803	0.116022	-1.18968
Rpl22	ENSMUSG00000028936	4837.781	0.168216	0.10752	1.564517
Myo19	ENSMUSG00000020527	502.6576	-0.04171	0.085314	-0.48892
Smtn	ENSMUSG00000020439	1192.388	0.162367	0.072408	2.242384
Chchd7	ENSMUSG00000042198	449.5659	0.084826	0.111754	0.759046
Tmem41a	ENSMUSG00000022856	319.9652	-0.0624	0.100157	-0.62305
Abhd13	ENSMUSG00000040396	1398.01	-0.03364	0.072674	-0.46293
Nudcd1	ENSMUSG00000038736	983.4963	0.045252	0.102424	0.441809
Tmtc1	ENSMUSG00000030306	2050.851	-0.11797	0.145988	-0.8081
Nck2	ENSMUSG00000066877	619.6275	0.020256	0.099707	0.203159
MacroD2	ENSMUSG00000068205	676.7042	0.039247	0.08257	0.475321
Osgepl1	ENSMUSG00000026096	454.1567	-0.16212	0.085193	-1.90298
Taf1c	ENSMUSG00000031832	624.7294	0.015736	0.074053	0.212492
Pkd1l3	ENSMUSG00000048827	114.974	0.334685	0.143056	2.339537
Ddx42	ENSMUSG00000020705	2753.357	-0.03658	0.071311	-0.51302
Spidr	ENSMUSG00000041974	1014.463	-0.08905	0.121582	-0.73246
Cyth3	ENSMUSG00000018001	1008.089	0.031975	0.07605	0.420446
Sf3b3	ENSMUSG00000033732	7604.878	0.042019	0.09733	0.431714
Efnb2	ENSMUSG00000001300	232.308	-0.15755	0.094774	-1.66238
Bag1	ENSMUSG00000028416	3884.016	0.138173	0.105192	1.313527
Herc1	ENSMUSG00000038664	3511.881	-0.02882	0.097588	-0.2953
Gpcpd1	ENSMUSG00000027346	762.1757	-0.15818	0.126966	-1.24586
Rpl7a	ENSMUSG00000062647	20087.38	0.123437	0.087651	1.408281
Glod4	ENSMUSG00000017286	1169.643	0.027531	0.103616	0.265705
Cnbp	ENSMUSG00000030057	10655.51	-0.01911	0.051807	-0.3688
Spcs2	ENSMUSG00000035227	8921.285	0.126155	0.110262	1.14414
Gm5141	ENSMUSG000000091183	476.4867	0.050179	0.087885	0.570963
Lmbr1l	ENSMUSG00000022999	432.1385	0.024121	0.103135	0.233879
Smim27	ENSMUSG00000028407	172.286	0.081333	0.122832	0.662148
Glrx2	ENSMUSG00000018196	947.3091	0.008883	0.091047	0.097563
Stk19	ENSMUSG00000061207	935.4796	0.028002	0.092449	0.302886
Pprc1	ENSMUSG00000055491	1618.963	0.117723	0.084452	1.393959
Bex4	ENSMUSG00000047844	1941.014	0.057282	0.130201	0.439947
Efemp2	ENSMUSG00000024909	505.9992	0.065206	0.126891	0.513874
Tnks2	ENSMUSG00000024811	5906.02	0.118474	0.094269	1.256769
Smad1	ENSMUSG00000026155	2067.555	-0.02134	0.057264	-0.37258
Arl1	ENSMUSG00000060904	7579.631	0.085735	0.053984	1.588146
Taf6l	ENSMUSG00000003680	1965.388	0.077974	0.101974	0.764641
Dpp8	ENSMUSG00000032393	3200.443	0.002319	0.093038	0.024922
Ahsa1	ENSMUSG00000021037	3409.555	0.090976	0.09592	0.948465
Scnn1b	ENSMUSG00000030873	2202.202	0.023977	0.145268	0.165051
Hcfc1	ENSMUSG00000031386	4458.071	-0.01401	0.072511	-0.19317
Aplp2	ENSMUSG00000031996	5400.708	-0.0855	0.065017	-1.31505
Zdhhc23	ENSMUSG00000036304	46.36237	0.015552	0.14474	0.107446
Gla	ENSMUSG00000031266	581.615	0.030451	0.125448	0.242738
Mterf2	ENSMUSG00000049038	295.8805	0.069102	0.104168	0.663375
Srsf11	ENSMUSG00000055436	4621.609	0.016147	0.114712	0.140758
Pard3	ENSMUSG00000025812	1321.481	-0.12668	0.095841	-1.32174
Ranbp1	ENSMUSG00000099164	2034.044	0.174101	0.09222	1.887894
Hmgcr	ENSMUSG00000021670	4022.244	0.141567	0.118008	1.19964
Mrpl20	ENSMUSG00000029066	2363.499	0.101941	0.107915	0.944647
Ccdc134	ENSMUSG00000068114	739.1155	0.116931	0.092378	1.265798

Bud31	ENSMUSG00000038722	2989.157	0.078682	0.088529	0.888772
Wdr34	ENSMUSG00000039715	777.5613	-0.02643	0.119015	-0.22204
5330434G	ENSMUSG000000087620	265.4945	-0.00465	0.121297	-0.03832
Ipo4	ENSMUSG00000002319	3291.186	0.181508	0.111434	1.628846
Stk38	ENSMUSG000000024006	2563.287	0.079145	0.056351	1.404508
Abcc8	ENSMUSG000000040136	42628.79	-0.07634	0.1033	-0.73905
Zfp948	ENSMUSG000000067931	1303.926	0.106329	0.076126	1.396754
E130317F2	ENSMUSG000000091994	173.9478	0.06207	0.14138	0.439026
Araf	ENSMUSG00000001127	3626.3	-0.03068	0.072902	-0.42088
Trim35	ENSMUSG000000022043	7621.783	0.136159	0.085125	1.599515
Syt5	ENSMUSG000000004961	2638.452	0.074956	0.093316	0.803245
Necab1	ENSMUSG000000040536	279.3486	0.06286	0.118961	0.528406
Anapc4	ENSMUSG000000029176	3191.283	0.157937	0.107363	1.47106
Mknk2	ENSMUSG000000020190	2433.134	0.0162	0.068011	0.238205
Usp27x	ENSMUSG000000046269	96.29274	-0.03668	0.128408	-0.28565
Txnrd2	ENSMUSG000000075704	703.0924	0.10611	0.08326	1.274438
Coa5	ENSMUSG000000026112	2124.469	0.01957	0.05026	0.389388
Mea1	ENSMUSG000000002768	2214.339	0.158585	0.114707	1.382522
Nr3c1	ENSMUSG000000024431	2614.999	0.030413	0.092262	0.329635
E2f7	ENSMUSG000000020185	1776.708	-0.00835	0.115839	-0.07205
Use1	ENSMUSG000000002395	1909.961	0.125554	0.109995	1.141448
Zfp266	ENSMUSG000000060510	1351.565	0.116668	0.09633	1.211122
Cars2	ENSMUSG000000056228	976.613	0.067507	0.087481	0.771677
Ube2b	ENSMUSG000000020390	4207.593	0.010314	0.092983	0.110923
Sdr39u1	ENSMUSG000000022223	2633.866	-0.07257	0.075261	-0.96422
Ap4m1	ENSMUSG000000019518	1104.195	0.009024	0.100312	0.089962
Slc37a4	ENSMUSG000000032114	2129.926	0.019893	0.117424	0.169415
Lpgat1	ENSMUSG000000026623	2005.338	0.014366	0.086262	0.166541
Gm20388	ENSMUSG000000092329	2578.396	0.14928	0.093139	1.602764
Cybc1	ENSMUSG000000039294	807.9776	0.046703	0.096592	0.483508
Prkag2	ENSMUSG000000028944	2479.868	0.104695	0.139276	0.751707
Naa35	ENSMUSG000000021555	1969.044	0.236828	0.101122	2.342006
Mcat	ENSMUSG000000048755	523.8079	-0.04252	0.105582	-0.40276
Zc3hav1	ENSMUSG000000029826	2614.847	-0.03126	0.073195	-0.42707
Acd	ENSMUSG000000038000	3261.072	0.05813	0.116413	0.499346
Ubxn4	ENSMUSG000000026353	4216.084	0.036892	0.083326	0.44274
Lig4	ENSMUSG000000049717	444.0471	0.156805	0.122158	1.283622
Rpp25l	ENSMUSG000000036114	838.4748	0.073719	0.113307	0.650614
Ccdc62	ENSMUSG000000061882	241.8414	0.055694	0.14308	0.389253
Man1a2	ENSMUSG000000008763	2401.638	0.078612	0.088069	0.892619
Tob1	ENSMUSG000000037573	1408.73	-0.1543	0.098967	-1.55915
Gne	ENSMUSG000000028479	944.9508	0.188799	0.072544	2.602534
Wbp4	ENSMUSG000000022023	1470.877	0.068777	0.063802	1.077971
Cep170	ENSMUSG000000057335	2336.858	0.049083	0.114584	0.428359
Ssh1	ENSMUSG000000042121	412.2412	-0.04057	0.094223	-0.43058
mt-Tn	ENSMUSG000000064348	91.54583	-0.09826	0.13251	-0.74151
Oard1	ENSMUSG000000040771	920.3798	-0.05078	0.085412	-0.59457
Tirap	ENSMUSG000000032041	141.9238	-0.06669	0.121109	-0.55068
Crebrf	ENSMUSG000000048249	967.913	-0.04681	0.142414	-0.32868
Knstrn	ENSMUSG000000027331	3964.702	-0.01452	0.083681	-0.1735
As3mt	ENSMUSG000000003559	2115.96	0.121671	0.093313	1.303902
Esyt2	ENSMUSG000000021171	2821.38	0.026482	0.077819	0.340308

Smim20	ENSMUSG00000061461	2688.94	-0.00818	0.108942	-0.07513
Imp4	ENSMUSG00000026127	1593.595	0.165392	0.069511	2.379381
Sh3d19	ENSMUSG00000028082	991.5753	0.10651	0.117353	0.907601
Trim46	ENSMUSG00000042766	791.7074	-0.06053	0.079455	-0.76184
D630039A	ENSMUSG00000052117	240.4667	0.184795	0.142569	1.296179
Map2k4	ENSMUSG00000033352	2023.804	0.042225	0.071048	0.594322
Wdyhv1	ENSMUSG00000022359	430.2303	-0.10352	0.117527	-0.88082
Rps7	ENSMUSG00000061477	9802.054	0.115754	0.090297	1.281917
Ube2l3	ENSMUSG00000038965	7181.477	0.079768	0.063705	1.252148
Ranbp1	ENSMUSG00000005732	2034.044	0.174101	0.09222	1.887894
Cox18	ENSMUSG00000035505	634.7359	0.077002	0.089483	0.860527
Leo1	ENSMUSG00000042487	1174.026	0.070472	0.068548	1.028065
Map1s	ENSMUSG00000019261	1890.585	-0.01192	0.094147	-0.12658
Slc9a1	ENSMUSG00000028854	1903.845	-0.02231	0.078896	-0.28277
Nedd1	ENSMUSG00000019988	663.6509	-0.11684	0.092708	-1.26027
Urm1	ENSMUSG00000069020	1152.423	-0.02945	0.090966	-0.32371
Ufsp1	ENSMUSG00000051502	350.0717	0.070412	0.128886	0.546311
Igsf8	ENSMUSG00000038034	3472.276	0.127297	0.129448	0.98338
Vps35	ENSMUSG00000031696	11053.09	0.04252	0.123222	0.34507
Ankrd17	ENSMUSG00000055204	3077.368	0.038918	0.082283	0.472976
Spock1	ENSMUSG00000056222	7363.322	0.04162	0.090746	0.45864
Ptma	ENSMUSG00000026238	33854.16	-0.06833	0.057904	-1.17999
Tm9sf2	ENSMUSG00000025544	7240.756	-0.03374	0.087571	-0.38531
Ppl	ENSMUSG00000039457	746.7814	0.059839	0.113385	0.527753
Rrn3	ENSMUSG00000022682	2044.412	0.090726	0.069509	1.30524
Spice1	ENSMUSG00000043065	730.7657	-0.09167	0.12171	-0.7532
Bard1	ENSMUSG00000026196	820.943	0.021282	0.077416	0.274904
Zbtb2	ENSMUSG00000075327	375.1844	-0.0566	0.083917	-0.6745
Psmb6	ENSMUSG00000018286	5009.578	0.142423	0.114563	1.24318
Pop7	ENSMUSG00000029715	748.1865	0.001303	0.106028	0.012288
Son	ENSMUSG00000022961	11928.41	-0.02412	0.068641	-0.35139
Nsmce4a	ENSMUSG00000040331	2907.488	0.032339	0.077964	0.414798
Tmem209	ENSMUSG00000029782	1468.933	-0.08321	0.086398	-0.96305
Ncbp2	ENSMUSG00000022774	2354.146	-0.01546	0.056226	-0.27496
Plxnb2	ENSMUSG00000036606	7492.034	0.045726	0.111426	0.41037
Adprm	ENSMUSG00000020910	388.3013	-0.04012	0.090697	-0.4424
Map2k6	ENSMUSG00000020623	286.7954	-0.05199	0.140526	-0.37
Prkn	ENSMUSG00000023826	124.4155	0.13222	0.145947	0.905945
Topors	ENSMUSG00000036822	1513.849	0.07118	0.096908	0.734513
Chtop	ENSMUSG00000001017	4702.446	-0.01155	0.057566	-0.20072
Actr3b	ENSMUSG00000056367	456.4029	0.255774	0.106579	2.399844
Nat9	ENSMUSG00000015542	449.0265	0.079108	0.131292	0.602533
37316	ENSMUSG00000079557	890.904	0.134391	0.095871	1.401795
Ubox5	ENSMUSG00000027300	416.4292	0.00386	0.104347	0.036996
Fastk	ENSMUSG00000028959	3163.471	0.151541	0.084177	1.800262
Anapc13	ENSMUSG00000035048	1510.163	-0.01408	0.11868	-0.11868
Skil	ENSMUSG00000027660	1689.709	-0.04107	0.116043	-0.35393
Ldah	ENSMUSG00000037669	1015.663	-0.00449	0.068893	-0.06523
Zfp748	ENSMUSG00000095432	609.9897	0.038657	0.099677	0.387825
Fzd6	ENSMUSG00000022297	269.1034	-0.06839	0.137585	-0.49705
Ftl1	ENSMUSG00000050708	42094.39	0.074534	0.129227	0.576768
Edc3	ENSMUSG00000038957	950.1572	-0.05355	0.081033	-0.66078

Brd3	ENSMUSG00000026918	1975.102	0.02089	0.086145	0.242493
2700038G	ENSMUSG00000097180	313.4257	0.065113	0.107895	0.603489
Tvp23a	ENSMUSG00000050908	542.468	0.074901	0.135519	0.552697
Ap4b1	ENSMUSG00000032952	759.3108	-0.00223	0.071363	-0.03129
Papola	ENSMUSG00000021111	6023.415	0.031018	0.068921	0.45005
CAAA0111	ENSMUSG00000063897	829.516	0.016828	0.120453	0.13971
Ezr	ENSMUSG00000052397	4398.768	0.155089	0.141072	1.099365
2810004N	ENSMUSG00000031984	923.0222	0.043793	0.087061	0.50301
Aurkb	ENSMUSG00000020897	2511.636	-0.02724	0.057142	-0.47662
Bsn	ENSMUSG00000032589	1137.775	-0.09444	0.095291	-0.99107
Tspyl4	ENSMUSG00000039485	5694.673	0.173301	0.09737	1.779815
Sacs	ENSMUSG00000048279	2046.447	-0.23322	0.103605	-2.25101
Gm10146	ENSMUSG00000064317	429.1868	0.195239	0.142369	1.371355
2410015M	ENSMUSG00000049760	2700.243	0.159524	0.106324	1.500363
Fkbp1	ENSMUSG00000033739	255.848	0.188942	0.105076	1.798144
Sys1	ENSMUSG00000045503	1431.842	-0.04562	0.102451	-0.44531
Fbxo46	ENSMUSG00000050428	521.4563	0.006154	0.088817	0.069293
Sipa1l1	ENSMUSG00000042700	1233.86	-0.0753	0.082974	-0.90748
Mrps34	ENSMUSG00000038880	1452.467	0.114711	0.118873	0.964984
Idnk	ENSMUSG00000050002	295.7482	0.039848	0.124808	0.319276
Ttc27	ENSMUSG00000024078	540.2326	0.060194	0.080229	0.750274
Adam17	ENSMUSG00000052593	965.8229	0.044315	0.076262	0.581096
Rrm2	ENSMUSG00000020649	4734.497	-0.10942	0.086501	-1.26493
Stat2	ENSMUSG00000040033	711.3654	-0.02541	0.112976	-0.22494
Snord104	ENSMUSG00000065126	99.33392	0.093982	0.145509	0.645883
Stub1	ENSMUSG00000039615	8070.903	0.159204	0.099504	1.599971
Agpat5	ENSMUSG00000031467	2383.697	0.001921	0.111234	0.017268
Numb	ENSMUSG00000021224	585.0058	-0.06567	0.107349	-0.61171
Fzd6	ENSMUSG000000107137	269.1034	-0.06839	0.137585	-0.49705
Nop9	ENSMUSG00000019297	1206.047	0.014447	0.086436	0.167144
Coro1c	ENSMUSG00000004530	4161.022	0.177083	0.098779	1.792729
BC039966	ENSMUSG00000086272	452.2151	0.222921	0.103626	2.151213
Psm11	ENSMUSG00000017428	2308.604	0.160576	0.071942	2.232017
Mob1b	ENSMUSG00000006262	1553.757	0.032026	0.073558	0.435379
Pip4k2a	ENSMUSG00000026737	541.8329	-0.34262	0.086635	-3.95469
Polrmt	ENSMUSG00000020329	893.3625	0.10964	0.123046	0.891052
Pdzd4	ENSMUSG00000002006	1294.007	-0.0088	0.11082	-0.07943
Tnrc6c	ENSMUSG00000025571	2197.382	-0.04953	0.103028	-0.48073
Rae1	ENSMUSG00000027509	1427.082	0.069935	0.069041	1.012943
Uxt	ENSMUSG00000001134	653.802	0.05613	0.111484	0.50348
4921531C	ENSMUSG00000085704	163.9824	-0.06358	0.120947	-0.52572
Nipsnap3b	ENSMUSG00000015247	926.9264	0.028531	0.071964	0.396457
Gm12481	ENSMUSG00000043770	1404.907	0.187079	0.123004	1.520915
Ttk	ENSMUSG00000038379	1102.264	0.051716	0.088301	0.585683
Tgfb2	ENSMUSG00000039239	331.7091	0.042511	0.145453	0.292264
Ndufb7	ENSMUSG00000033938	3500.927	0.108578	0.103114	1.052988
Srp19	ENSMUSG00000014504	1517.893	0.111135	0.074377	1.494221
Tbc1d32	ENSMUSG00000038122	367.739	-0.05475	0.122445	-0.44715
Rtcb	ENSMUSG00000001783	4869.817	0.032499	0.082627	0.393318
Rap1a	ENSMUSG00000068798	1948.193	0.120728	0.081962	1.47298
A530020G	ENSMUSG00000097124	504.8349	-0.08756	0.128957	-0.67902
Nsmce1	ENSMUSG00000030750	1364.099	0.000616	0.131293	0.004691

Mettl26	ENSMUSG00000025731	1668.375	0.092731	0.092557	1.001882
Lima1	ENSMUSG00000023022	696.4689	0.047692	0.123068	0.38753
Eef2	ENSMUSG00000034994	67173.75	0.016088	0.100116	0.160694
Fam117b	ENSMUSG00000041040	585.7531	0.027868	0.093248	0.298859
Enpp4	ENSMUSG00000023961	1721.106	-0.01145	0.091851	-0.12462
Zfp958	ENSMUSG00000058748	245.8265	-0.03959	0.094158	-0.42049
Lmcd1	ENSMUSG00000057604	405.6954	-0.02889	0.117887	-0.24507
Zfp36l2	ENSMUSG00000045817	880.5661	-0.18402	0.120573	-1.5262
Flcn	ENSMUSG00000032633	1565.341	-0.02272	0.145937	-0.15571
Hmga1	ENSMUSG00000046711	716.6553	-0.06252	0.085919	-0.72767
Smarce1	ENSMUSG00000037935	2948.473	-0.00989	0.068394	-0.14456
Impad1	ENSMUSG00000066324	6850.407	0.049253	0.074745	0.658958
Camsap1	ENSMUSG00000026933	1979.771	-0.03962	0.099751	-0.39715
Cmpk1	ENSMUSG00000028719	4624.138	-0.05837	0.081295	-0.71795
Zfp960	ENSMUSG00000096696	256.2816	0.089349	0.128129	0.697336
Supt6	ENSMUSG0000002052	4841.29	0.052415	0.053603	0.977838
Cspp1	ENSMUSG00000056763	1349.858	-0.02672	0.085337	-0.31316
Ncoa2	ENSMUSG00000005886	1421.526	-0.11684	0.122547	-0.95343
Gdf11	ENSMUSG00000025352	400.5412	-0.0528	0.145987	-0.36165
Polr1d	ENSMUSG00000029642	3335.323	0.172947	0.100726	1.717008
Mark3	ENSMUSG00000007411	3345.682	-0.00227	0.053133	-0.04276
Stk40	ENSMUSG00000042608	1378.936	0.195949	0.079296	2.471119
Eif4h	ENSMUSG00000040731	13156.96	0.048057	0.059328	0.810028
Sppl3	ENSMUSG00000029550	1721.902	0.024504	0.077599	0.31578
Phyh	ENSMUSG00000026664	3438.535	0.203484	0.1283	1.586003
Lsm8	ENSMUSG00000044155	1550.831	0.080006	0.080191	0.997695
Msi2	ENSMUSG00000069769	3983.754	-0.08659	0.101891	-0.84987
Usp22	ENSMUSG00000042506	2836.363	0.169656	0.105956	1.601201
Slc7a1	ENSMUSG00000041313	2858.349	0.007852	0.145731	0.05388
Thap12	ENSMUSG00000030753	2800.22	0.058277	0.103582	0.562621
Ahctf1	ENSMUSG00000026491	2137.083	-0.01397	0.068173	-0.20486
Klf10	ENSMUSG00000037465	697.8991	-0.15351	0.117228	-1.30949
Fam76b	ENSMUSG00000037808	1247.865	-0.0275	0.110881	-0.24799
Map3k12	ENSMUSG00000023050	1225.398	-0.06827	0.10339	-0.66033
Ddx50	ENSMUSG00000020076	4484.885	0.094776	0.059805	1.584745
3110082l1	ENSMUSG00000053553	567.094	0.107287	0.088849	1.207523
Clstn1	ENSMUSG00000039953	5733.848	-0.00836	0.084355	-0.09906
Pttg1	ENSMUSG00000020415	372.6158	0.031542	0.09323	0.33832
Sdr42e1	ENSMUSG00000034308	147.3618	0.17873	0.145446	1.228837
Fam185a	ENSMUSG00000047221	1260.185	0.133718	0.087527	1.527735
A430033K	ENSMUSG00000056014	392.8685	0.150685	0.08413	1.7911
Pisd	ENSMUSG00000023452	1280.88	0.23067	0.083401	2.765782
Eipr1	ENSMUSG00000036613	944.8981	0.041819	0.076581	0.546076
Dkc1	ENSMUSG00000031403	940.0882	0.026846	0.080695	0.332682
Zcchc12	ENSMUSG00000036699	312.8767	-0.0398	0.118248	-0.33657
Emc4	ENSMUSG00000027131	1815.409	0.05966	0.087417	0.682478
BC037034	ENSMUSG00000036948	1384.005	-0.09012	0.079491	-1.13367
Camkk2	ENSMUSG00000029471	735.893	0.110571	0.080462	1.374204
Tnfrsf9	ENSMUSG00000028965	598.8557	0.07601	0.135528	0.560844
Prss16	ENSMUSG00000006179	709.1787	0.019896	0.100606	0.197765
Gabbr2	ENSMUSG00000039809	7251.072	-0.03134	0.09697	-0.3232
Map3k2	ENSMUSG00000024383	1634.903	-0.02641	0.10131	-0.26065

Rfwd3	ENSMUSG00000033596	4392.943	-0.03376	0.112863	-0.29915
Actr3	ENSMUSG00000026341	5462.218	0.077702	0.060764	1.27876
Kntc1	ENSMUSG00000029414	2754.747	0.181386	0.077517	2.339957
Wdr60	ENSMUSG00000042050	249.688	-0.00311	0.099083	-0.03142
Fam122a	ENSMUSG00000074922	1294.37	-0.10012	0.078895	-1.26897
Echdc1	ENSMUSG00000019883	1360.542	0.099467	0.08482	1.172679
Fndc1	ENSMUSG00000071984	70.2217	0.048738	0.144205	0.33798
Sars	ENSMUSG00000068739	8733.261	0.037224	0.133748	0.278313
Bloc1s1	ENSMUSG00000090247	581.1088	0.103161	0.116692	0.884041
Trp53i11	ENSMUSG00000068735	783.2426	0.112994	0.124149	0.910143
Upf3b	ENSMUSG00000036572	3214.446	0.155352	0.119743	1.297381
Khdrbs1	ENSMUSG00000028790	4526.209	0.011529	0.065364	0.176388
Hmox2	ENSMUSG00000004070	4014.106	0.087061	0.108013	0.806024
Psm3	ENSMUSG00000060073	4788.915	0.156125	0.104868	1.488776
Mrpl16	ENSMUSG00000024683	1083.125	0.0345	0.09051	0.38117
Ppm1f	ENSMUSG00000026181	514.6784	-0.085	0.077838	-1.09207
Tsr2	ENSMUSG00000025264	1195.545	0.175556	0.083675	2.098076
Mak16	ENSMUSG00000031578	1605.734	-0.03869	0.062692	-0.61718
Tbcd	ENSMUSG00000039230	1947.997	0.103047	0.124246	0.829382
Oaz1	ENSMUSG00000035242	16580.97	0.111483	0.089521	1.245333
Stmn3	ENSMUSG00000027581	5832.387	0.309574	0.114467	2.704477
Oxsr1	ENSMUSG00000036737	1942.76	0.039103	0.06458	0.60549
Usp5	ENSMUSG00000038429	4746.477	0.16737	0.11142	1.502161
Slc20a1	ENSMUSG00000027397	2309.254	0.012463	0.109627	0.113687
AC121298	ENSMUSG00000110939	47.66017	0.039609	0.122119	0.32435
Wdfy3	ENSMUSG00000043940	1904.274	0.069065	0.133975	0.515511
BC055324	ENSMUSG00000041406	1029.286	0.122217	0.088092	1.387371
Rnf139	ENSMUSG00000037075	1468.058	-0.00489	0.054765	-0.08936
Arpc5l	ENSMUSG00000026755	3328.609	0.094371	0.097076	0.972131
Nova2	ENSMUSG00000030411	374.8701	0.015792	0.112677	0.140157
Asxl1	ENSMUSG00000042548	1709.431	0.034217	0.101582	0.336839
Kcnb1	ENSMUSG00000050556	4234.258	0.049504	0.104671	0.472947
Capn7	ENSMUSG00000021893	2411.295	0.056847	0.067067	0.847605
AW551984	ENSMUSG00000038112	458.3139	0.046186	0.125347	0.368464
Snx32	ENSMUSG00000056185	906.4919	0.240844	0.101357	2.37619
Atp6v1e1	ENSMUSG00000019210	6225.425	-0.01705	0.09148	-0.18633
Gale	ENSMUSG00000028671	2839.502	0.132538	0.085836	1.544081
Fzd7	ENSMUSG00000041075	1033.398	0.108344	0.142316	0.761293
Cdh2	ENSMUSG00000024304	4410.697	-0.15481	0.087942	-1.76034
E130308A1	ENSMUSG00000045071	636.601	0.088949	0.072269	1.230809
Lmna	ENSMUSG00000028063	3372.498	0.183274	0.080026	2.290175
Arhgap32	ENSMUSG00000041444	1378.304	-0.03365	0.130602	-0.25764
Ddx47	ENSMUSG00000030204	1871.86	0.087623	0.071005	1.23403
Srsf3	ENSMUSG00000071172	10604.05	0.10909	0.064237	1.698253
Brdt	ENSMUSG00000029279	269.5602	-0.01709	0.119103	-0.14347
Spindoc	ENSMUSG00000024970	501.9463	0.003379	0.095758	0.035284
Dnajc25	ENSMUSG00000070972	432.1783	0.094877	0.107297	0.884244
Tbc1d31	ENSMUSG00000022364	1365.234	0.109319	0.091874	1.189878
Morf4l2	ENSMUSG00000031422	18430.24	0.176399	0.060655	2.908221
Keap1	ENSMUSG00000003308	2533.064	0.010465	0.062355	0.167832
Nbr1	ENSMUSG00000017119	4960.592	-0.00221	0.085997	-0.02571
Gm28229	ENSMUSG00000101335	128.0305	0.010087	0.113061	0.089217

D10Jhu81e	ENSMUSG00000053329	1218.137	0.145537	0.101069	1.439979
Tmx2	ENSMUSG00000050043	5956.184	0.252315	0.054996	4.587911
Tusc3	ENSMUSG00000039530	5150.499	0.020157	0.071032	0.283773
Hid1	ENSMUSG00000034586	6514.532	0.094353	0.081634	1.155798
Zfp711	ENSMUSG00000025529	128.7984	0.031144	0.144693	0.215239
Stk36	ENSMUSG00000033276	253.7894	0.032967	0.104728	0.314783
Pdpk1	ENSMUSG00000024122	2621.622	0.049678	0.103753	0.478814
Dip2c	ENSMUSG00000048264	897.8931	0.076022	0.098411	0.772493
Cryzl1	ENSMUSG00000058240	1749.136	0.154343	0.083402	1.850595
Wrn	ENSMUSG00000031583	805.5813	-0.02352	0.120142	-0.19581
Rab21	ENSMUSG00000020132	1650.583	0.056359	0.067474	0.835274
Nmt2	ENSMUSG00000026643	6711.623	0.131004	0.060233	2.174972
Adat2	ENSMUSG00000019808	85.17074	0.00546	0.136123	0.040114
Sri	ENSMUSG00000003161	1750.101	0.09886	0.127466	0.775584
Sap18b	ENSMUSG000000061104	3248.692	0.12203	0.077192	1.580865
Ptpn9	ENSMUSG00000032290	1286.42	0.104143	0.08461	1.230852
Ska3	ENSMUSG00000021965	970.5202	0.131822	0.075968	1.735223
Zfp788	ENSMUSG00000074165	824.1853	-0.03633	0.100855	-0.36019
Ubxn2b	ENSMUSG00000028243	1186.698	0.077928	0.127382	0.611766
Gm29216	ENSMUSG000000101249	83045.13	0.058707	0.137022	0.428449
Ctnnbip1	ENSMUSG00000028988	4795.462	0.236315	0.095608	2.471708
Ranbp17	ENSMUSG00000040594	629.8619	-0.04797	0.087263	-0.54975
Zbtb3	ENSMUSG000000071661	155.9148	0.078389	0.107064	0.732171
Slc35e2	ENSMUSG00000042202	1365.015	0.120813	0.074022	1.632123
Snrpg	ENSMUSG00000057278	968.7687	0.091703	0.11076	0.827945
Fdx1	ENSMUSG00000032051	458.9179	0.110331	0.115696	0.953632
Sult5a1	ENSMUSG00000000739	40.79113	0.101395	0.143786	0.70518
Reep4	ENSMUSG00000033589	1438.869	0.015551	0.125786	0.123629
E2f5	ENSMUSG00000027552	375.2633	-0.01693	0.09727	-0.1741
Gramd2	ENSMUSG00000074259	139.5941	-0.14641	0.141861	-1.03205
Usp38	ENSMUSG00000038250	1593.397	-0.02199	0.102858	-0.21383
Ercc6	ENSMUSG00000054051	901.7456	-0.07723	0.0915	-0.84406
Acy1	ENSMUSG00000023262	557.4999	0.237389	0.10157	2.337195
Zfyve1	ENSMUSG00000042628	762.8095	-0.0182	0.111167	-0.16373
Nol8	ENSMUSG00000021392	951.6644	0.038478	0.102768	0.374418
Hnrnpa2b1	ENSMUSG00000004980	27149.51	0.044417	0.089071	0.498668
Tjp2	ENSMUSG00000024812	1241.584	-0.09448	0.071213	-1.32676
Slc38a10	ENSMUSG000000061306	6285.192	-0.08624	0.073462	-1.17398
Limk2	ENSMUSG00000020451	1232.937	0.083746	0.085554	0.978862
Hs3st6	ENSMUSG00000039628	2775.312	0.123132	0.122767	1.002977
Aimp2	ENSMUSG00000029610	1508.738	0.110775	0.097459	1.136627
Vamp2	ENSMUSG00000020894	7993.309	0.08162	0.081758	0.998307
Tmem245	ENSMUSG00000055296	1940.857	-0.07356	0.092869	-0.79209
Cldn1	ENSMUSG00000022512	614.7294	-0.13425	0.123352	-1.08838
Tmprss2	ENSMUSG00000000385	550.629	-0.01034	0.095211	-0.10856
Ubr2	ENSMUSG00000023977	2306.418	-0.00767	0.122977	-0.06238
Rabggtb	ENSMUSG00000038975	2672.632	0.145817	0.083367	1.749095
Pbk	ENSMUSG00000022033	8023.493	0.052237	0.087167	0.599272
Eif4e	ENSMUSG00000028156	4609.47	0.033313	0.097116	0.343017
Reep5	ENSMUSG00000005873	9513.928	0.026632	0.093607	0.284504
Gm28438	ENSMUSG000000101939	8447.306	0.094707	0.145977	0.648784
Impa1	ENSMUSG00000027531	2422.66	-0.01633	0.057852	-0.28234

Sgtb	ENSMUSG00000042743	312.5417	0.013597	0.115122	0.118109
Apex2	ENSMUSG00000025269	655.245	0.043806	0.098861	0.443106
Grpel2	ENSMUSG00000024580	1048.007	0.016715	0.112434	0.148661
Rpl6	ENSMUSG00000029614	22582.42	0.163096	0.103526	1.575413
1700017B	ENSMUSG00000032300	519.8256	0.050066	0.11561	0.433061
Tmem185a	ENSMUSG00000073139	2097.127	0.004996	0.082554	0.060521
Slc25a10	ENSMUSG00000025792	2827.422	0.116548	0.119536	0.975011
Lysmd3	ENSMUSG00000035840	395.9106	-0.0876	0.14365	-0.60978
Amfr	ENSMUSG00000031751	8684.492	0.064014	0.081063	0.789687
Osbp	ENSMUSG00000024687	3946.12	0.054183	0.068599	0.789852
Sub1	ENSMUSG00000022205	4537.204	0.120732	0.083932	1.438456
Dlg1	ENSMUSG00000022770	1861.092	0.094427	0.096986	0.973616
Hyi	ENSMUSG00000006395	244.0232	0.04513	0.134151	0.336413
Disp2	ENSMUSG00000040035	12057.68	0.117825	0.106884	1.102368
Mrps28	ENSMUSG00000040269	816.2441	0.080148	0.11664	0.687141
Mgst3	ENSMUSG00000026688	577.1659	0.191786	0.126404	1.517251
Ikbip	ENSMUSG00000019975	1066.373	0.246801	0.075624	3.263541
Ptch2	ENSMUSG00000028681	212.5248	-0.02672	0.121236	-0.22041
Cstf3	ENSMUSG00000027176	1520.471	0.17692	0.108466	1.631121
Efcab11	ENSMUSG00000021176	195.1629	0.136312	0.109382	1.246202
Zadh2	ENSMUSG00000049090	1476.887	0.004913	0.096812	0.050752
Btg1	ENSMUSG00000036478	4923.915	0.026996	0.114364	0.236057
Ffar1	ENSMUSG00000044453	9084.554	-0.03459	0.105994	-0.32635
Tomm6	ENSMUSG00000033475	3745.353	0.090199	0.101959	0.884661
Nit2	ENSMUSG00000022751	246.3484	-0.05769	0.101194	-0.57011
Rab34	ENSMUSG00000002059	957.0618	0.058208	0.085505	0.680755
Slc36a1	ENSMUSG00000020261	2765.243	0.043773	0.10294	0.425229
Fam241a	ENSMUSG00000050549	171.1292	0.102157	0.112793	0.905704
Cdpf1	ENSMUSG00000064284	309.2395	-0.00379	0.130849	-0.02895
Rragd	ENSMUSG00000028278	1457.791	-0.06589	0.139976	-0.47073
Ccndbp1	ENSMUSG00000023572	1269.027	-0.02336	0.075097	-0.31112
Mlf2	ENSMUSG00000030120	8428.929	0.054745	0.068888	0.79469
Eif4g1	ENSMUSG00000045983	13575.08	0.174615	0.059733	2.92324
Nck1	ENSMUSG00000032475	1128.89	0.052897	0.093931	0.563152
Epg5	ENSMUSG00000039840	1149.45	0.104702	0.088792	1.17919
Serac1	ENSMUSG00000015659	232.4896	-0.00569	0.131833	-0.04318
Atp6v1h	ENSMUSG00000033793	4021.424	0.029447	0.053328	0.552186
Dync1li2	ENSMUSG00000035770	3013.472	0.092159	0.09233	0.99814
Alcam	ENSMUSG00000022636	997.1099	-0.19615	0.119717	-1.63849
Rab11b	ENSMUSG00000077450	3847.593	-0.05975	0.065016	-0.91895
Hsp90aa1	ENSMUSG00000021270	33049.89	0.112501	0.0771	1.459165
Asna1	ENSMUSG00000052456	5454.184	0.127854	0.104396	1.224708
Tbc1d2b	ENSMUSG00000037410	298.8312	-0.04861	0.108686	-0.44728
Zfp580	ENSMUSG00000055633	470.7707	0.07273	0.141592	0.51366
Crp	ENSMUSG00000037942	196.8737	0.10241	0.141515	0.723666
Stk35	ENSMUSG00000037885	7427.92	-0.13116	0.105767	-1.24009
Smim19	ENSMUSG00000031534	598.2314	0.056109	0.123043	0.45601
Sh3yl1	ENSMUSG00000020669	501.0665	0.08139	0.106295	0.765705
Smyd3	ENSMUSG00000055067	424.422	0.044565	0.12641	0.352544
Sra1	ENSMUSG00000006050	3329.472	0.05281	0.092836	0.568846
Park7	ENSMUSG00000028964	6385.615	0.142622	0.123512	1.154721
Hmg20b	ENSMUSG00000020232	1338.584	0.232199	0.106033	2.189866

Slc16a9	ENSMUSG00000037762	57.58599	0.001746	0.073422	0.023777
Hmmr	ENSMUSG00000020330	3925.065	-0.03312	0.10326	-0.32072
Ndr4	ENSMUSG00000036564	9436.198	0.110001	0.143554	0.766266
Gm5124	ENSMUSG00000051537	121.9852	0.11609	0.133055	0.872501
Abhd8	ENSMUSG00000007950	4875.279	0.194505	0.076615	2.538725
Msmo1	ENSMUSG00000031604	4426.555	0.418514	0.124464	3.362523
Tph1	ENSMUSG00000040046	3773.418	0.252906	0.136373	1.854514
Tmbim4	ENSMUSG00000020225	1857.722	0.032908	0.094796	0.347144
Eci2	ENSMUSG00000021417	1587.871	-0.1	0.102026	-0.98018
Dgki	ENSMUSG00000038665	101.9802	0.138338	0.141088	0.980511
Dimt1	ENSMUSG00000021692	580.7242	0.02625	0.08152	0.322006
Apcdd1	ENSMUSG00000071847	552.9461	-0.15336	0.087707	-1.7486
Prune1	ENSMUSG00000015711	951.6658	-0.00184	0.113098	-0.01625
Ankrd10	ENSMUSG00000031508	7211.997	-0.12403	0.088694	-1.39844
Slc25a19	ENSMUSG00000020744	933.9555	0.03671	0.119933	0.306085
Clic4	ENSMUSG00000037242	4833.408	0.050876	0.127548	0.398877
Lamtor4	ENSMUSG00000050552	1194.7	0.064412	0.123951	0.519653
Ubr1	ENSMUSG00000027272	1502.34	0.0617	0.113908	0.541668
Prdm2	ENSMUSG00000057637	1361.41	-0.0648	0.100415	-0.64536
Hint1	ENSMUSG00000020267	6441.236	0.083667	0.102993	0.812358
Slc4a7	ENSMUSG00000021733	3052.926	-0.02007	0.120472	-0.16658
Parl	ENSMUSG00000033918	1303.415	0.181097	0.11014	1.644246
Tmem56	ENSMUSG00000028132	1957.412	0.029311	0.115572	0.253616
Vti1a	ENSMUSG00000024983	849.468	0.072242	0.106975	0.675321
Arid3b	ENSMUSG00000004661	452.8395	-0.12453	0.108176	-1.15114
Rasal2	ENSMUSG00000070565	1503.769	0.217391	0.112512	1.932148
Yju2	ENSMUSG00000003208	378.5248	0.046887	0.086295	0.543333
1110004F1	ENSMUSG00000030663	3984.134	0.065609	0.092826	0.7068
Ints5	ENSMUSG00000071652	1769.084	0.132122	0.07265	1.818615
Trmt61b	ENSMUSG00000085492	341.0271	0.121791	0.108699	1.120441
Zfp975	ENSMUSG00000069727	208.6098	-0.03467	0.101271	-0.3423
Ddx39b	ENSMUSG00000019432	8987.314	-0.04528	0.057426	-0.78845
Rnf227	ENSMUSG00000043419	1671.726	0.045708	0.079012	0.578497
Gpbp1	ENSMUSG00000032745	3224.318	0.043748	0.05995	0.729741
Prim1	ENSMUSG00000025395	4942.539	0.174381	0.058086	3.002105
Cdk2ap2	ENSMUSG00000097485	1069.171	0.124764	0.089851	1.388567
Pclo	ENSMUSG00000061601	3164.557	-0.02138	0.111074	-0.19247
Uaca	ENSMUSG00000034485	1968.356	-0.02922	0.091622	-0.31887
Sipa1l2	ENSMUSG00000001995	928.8747	0.009371	0.087307	0.10733
Mut	ENSMUSG00000023921	1098.467	0.081892	0.068112	1.202316
Gng10	ENSMUSG00000038607	1074.648	0.147971	0.121935	1.213521
Arglu1	ENSMUSG00000040459	3354.573	0.006758	0.065294	0.103493
Cetn3	ENSMUSG00000021537	1570.108	-0.03601	0.096348	-0.3737
Kmt5a	ENSMUSG00000049327	2771.21	0.099358	0.060565	1.640518
Pcdha1	ENSMUSG000000103442	253.1605	0.204446	0.130759	1.563538
Marveld2	ENSMUSG00000021636	465.3827	-0.15186	0.098254	-1.54562
Kctd9	ENSMUSG00000034327	1127.514	0.079503	0.07588	1.047759
2500002B1	ENSMUSG00000096917	216.7916	0.067532	0.145967	0.462649
Armc1	ENSMUSG00000027599	2044.014	0.162657	0.066051	2.462593
Rchy1	ENSMUSG00000029397	1722.027	0.117649	0.081838	1.437572
Pcx	ENSMUSG00000024892	5348.069	0.08337	0.086226	0.966872
Parp3	ENSMUSG00000023249	650.3451	0.002779	0.144368	0.01925

Gpatch3	ENSMUSG00000028850	188.6423	0.237275	0.128751	1.842903
Emc2	ENSMUSG00000022337	1537.8	0.211827	0.107874	1.963645
Eif2d	ENSMUSG00000026427	1774.538	0.042749	0.107677	0.397008
Adarb1	ENSMUSG00000020262	1872.399	0.309259	0.130225	2.374806
Rpia	ENSMUSG00000053604	563.1362	0.181651	0.093705	1.938547
Ubiad1	ENSMUSG00000047719	417.9028	0.052127	0.099426	0.524279
Pde8a	ENSMUSG00000025584	1277.87	-0.15551	0.076978	-2.02017
Maml1	ENSMUSG00000050567	414.6811	-0.08769	0.095571	-0.91757
Ap2b1	ENSMUSG00000035152	6748.467	0.076911	0.0641	1.199858
Rhoa	ENSMUSG00000007815	10654.87	0.047362	0.044358	1.067735
D030056L2	ENSMUSG00000047044	1788.745	0.086482	0.089663	0.964528
Dmwd	ENSMUSG00000030410	2578.746	0.105442	0.091382	1.153864
Nuak1	ENSMUSG00000020032	1954.023	0.117024	0.135199	0.865571
Cdk2ap2	ENSMUSG00000024856	1069.171	0.124764	0.089851	1.388567
Trip10	ENSMUSG00000019487	183.979	0.128934	0.140434	0.918114
Rpl9	ENSMUSG00000047215	11370.52	0.123555	0.11076	1.115515
B4galt1	ENSMUSG00000028413	828.494	-0.0127	0.091483	-0.1388
Nfasc	ENSMUSG00000026442	4413.564	0.124848	0.09607	1.299549
1810058I2	ENSMUSG00000073155	1025.858	-0.00588	0.100456	-0.05858
Pde1b	ENSMUSG00000022489	294.7862	-0.02243	0.102311	-0.21926
Lifr	ENSMUSG00000054263	1844.271	-0.01723	0.122382	-0.1408
Timm17b	ENSMUSG00000031158	1841.574	0.213061	0.099425	2.142945
Vcl	ENSMUSG00000021823	2691.741	-0.00022	0.098062	-0.00226
Wdr46	ENSMUSG00000024312	931.9532	0.149524	0.070935	2.107905
Dph3	ENSMUSG00000021905	1589.721	0.048128	0.107649	0.447082
Pdhb	ENSMUSG00000021748	4963.519	0.150682	0.081461	1.84974
Dpf3	ENSMUSG00000021221	78.21769	0.19282	0.145981	1.320849
Sec22a	ENSMUSG00000034473	742.218	-0.05532	0.111374	-0.49668
Dpp3	ENSMUSG00000063904	3255.384	0.106099	0.068898	1.539947
Bcl7c	ENSMUSG00000030814	1235.804	0.10922	0.119261	0.915808
Rtl8b	ENSMUSG00000067924	2279.997	0.209202	0.116067	1.802426
Surf2	ENSMUSG00000014873	899.6751	0.094865	0.087711	1.081565
Mark4	ENSMUSG00000030397	1206.711	0.113244	0.08356	1.355244
Rnf38	ENSMUSG00000035696	1730.486	-0.02596	0.114715	-0.22628
Psmb10	ENSMUSG00000031897	355.1693	0.313365	0.119095	2.631206
Mrto4	ENSMUSG00000028741	1137.53	0.133207	0.091188	1.460788
Iscu	ENSMUSG00000025825	1421.896	0.082601	0.109517	0.754226
39692	ENSMUSG00000018398	1702.953	0.018947	0.123881	0.152945
Cpne3	ENSMUSG00000028228	1067.034	0.036417	0.102352	0.355803
Tubd1	ENSMUSG00000020513	328.3069	0.100747	0.091675	1.09896
Mylk	ENSMUSG00000022836	611.6221	-0.09509	0.140022	-0.67914
Bicd1	ENSMUSG00000003452	1484.487	0.118346	0.11163	1.060167
Hps5	ENSMUSG00000014418	844.6895	-0.01363	0.111953	-0.12178
9230114K1	ENSMUSG000000097145	74.97707	0.328654	0.135729	2.421408
Immp1l	ENSMUSG00000042670	1619.539	0.070084	0.106839	0.65598
Ndufc1	ENSMUSG00000037152	2333.914	0.064365	0.118759	0.54198
Spsb2	ENSMUSG00000038451	568.5285	0.021407	0.131591	0.162682
Ifrd1	ENSMUSG00000001627	2129.58	-0.03923	0.08431	-0.46533
Gm20045	ENSMUSG00000103983	77.28103	0.156511	0.130883	1.195804
Kazn	ENSMUSG00000040606	407.8743	0.131564	0.103347	1.273035
Nek9	ENSMUSG00000034290	2561.108	0.009399	0.069564	0.135112
Chd1	ENSMUSG00000023852	2077.582	0.023388	0.077556	0.301563

Rab25	ENSMUSG00000008601	2218.049	0.168025	0.09085	1.849466
Clasp2	ENSMUSG00000033392	3288.552	0.037552	0.111215	0.337655
Akr1c14	ENSMUSG00000033715	944.4618	0.222419	0.11091	2.005397
Acdb5	ENSMUSG00000026781	1665.806	0.078179	0.0979	0.79856
Thap7	ENSMUSG00000022760	893.9213	0.019662	0.078793	0.249544
Qrs1	ENSMUSG00000019863	501.9357	0.127555	0.103036	1.237963
Adh1	ENSMUSG00000074207	5697.832	0.09278	0.12996	0.713911
Fgf12	ENSMUSG00000022523	497.0009	0.136706	0.076945	1.776681
Orc4	ENSMUSG00000026761	1339.827	0.00764	0.100557	0.075973
Gm3248	ENSMUSG00000091275	163.3108	0.15335	0.134176	1.142904
Srprb	ENSMUSG00000032553	5061.035	0.04877	0.11333	0.430337
Dnajb2	ENSMUSG00000026203	1772.917	0.136023	0.088976	1.528764
Tpm3	ENSMUSG00000027940	6258.512	0.13839	0.090404	1.530797
91300190	ENSMUSG00000030823	210.4443	-0.07135	0.115409	-0.61825
Rsg1	ENSMUSG00000073733	49.53665	0.193037	0.139632	1.382472
Abcg2	ENSMUSG00000029802	500.4883	0.078061	0.135068	0.577938
Yipf3	ENSMUSG00000071074	2756.411	-0.00841	0.115103	-0.07307
Ptrh2	ENSMUSG00000072582	1493.125	0.142019	0.077964	1.821595
Usp21	ENSMUSG00000053483	1136.903	0.03558	0.089772	0.396341
Tmem208	ENSMUSG00000014856	2373.111	0.03538	0.11512	0.307329
Mterf4	ENSMUSG00000026273	492.4259	0.028082	0.08125	0.345626
Cth	ENSMUSG00000028179	229.5721	0.032001	0.145986	0.219206
Dennd1a	ENSMUSG00000035392	1529.325	-0.07332	0.088643	-0.82716
Clybl	ENSMUSG00000025545	510.5141	0.116241	0.14009	0.82976
Bex3	ENSMUSG00000046432	15281.47	0.088397	0.089481	0.98788
Senp6	ENSMUSG00000034252	2435.1	0.142823	0.077852	1.834551
Dab2ip	ENSMUSG00000026883	2355.834	0.04921	0.106787	0.460819
Ahi1	ENSMUSG00000019986	1296.369	0.182938	0.136798	1.337285
Ten1	ENSMUSG00000020778	1059.97	0.081944	0.105036	0.780152
Bpnt1	ENSMUSG00000026617	4142.151	-0.06061	0.070736	-0.8568
Rnf213	ENSMUSG00000070327	1048.278	-0.19335	0.083862	-2.30554
Rit2	ENSMUSG00000057455	1010.289	0.191579	0.132395	1.44702
Psenen	ENSMUSG00000036835	2553.129	0.094615	0.100476	0.941661
Zfp703	ENSMUSG00000085795	1596.945	-0.00769	0.094366	-0.08147
Slbp	ENSMUSG00000004642	4492.535	0.125895	0.071659	1.756866
Smad2	ENSMUSG00000024563	1195.839	0.088994	0.074299	1.197776
Hspb11	ENSMUSG00000063172	469.0866	0.145146	0.142463	1.018836
Slc38a7	ENSMUSG00000036534	1061.61	-0.02401	0.145902	-0.16459
Rp2	ENSMUSG00000060090	929.8126	0.060725	0.121466	0.499935
Copa	ENSMUSG00000026553	16497.32	0.129063	0.052093	2.477564
Cops9	ENSMUSG00000073616	2230.505	0.112391	0.114895	0.978202
Nif3l1	ENSMUSG00000026036	798.5759	0.189021	0.097842	1.931894
Eif5	ENSMUSG00000021282	8786.85	0.064333	0.081383	0.790496
Moap1	ENSMUSG00000096458	464.6474	0.00434	0.105689	0.041065
Nploc4	ENSMUSG00000039703	4217.734	0.107408	0.068615	1.565372
Sec61b	ENSMUSG00000053317	5874.538	0.115913	0.102936	1.126068
Tmem67	ENSMUSG00000049488	544.9562	0.068418	0.080038	0.854815
Pmf1	ENSMUSG00000028066	2349.802	0.113106	0.086607	1.305966
Fastkd3	ENSMUSG00000021532	666.2098	-0.02405	0.079812	-0.30128
Parn	ENSMUSG00000022685	1250.941	-0.05166	0.076992	-0.67094
Diras2	ENSMUSG00000047842	574.7913	-0.02205	0.129617	-0.17012
Zranb1	ENSMUSG00000030967	2411.981	0.140821	0.059314	2.374146

Klhl22	ENSMUSG00000022750	2296.442	0.030944	0.060023	0.515541
Cdc37	ENSMUSG00000019471	5599.121	0.112388	0.068031	1.652014
Ddc	ENSMUSG00000020182	9317.9	0.013781	0.07564	0.182194
Trim56	ENSMUSG00000043279	959.0639	-0.10069	0.100714	-0.99977
Ptpa	ENSMUSG00000027303	3278.409	-0.02594	0.046624	-0.55636
Ski	ENSMUSG00000029050	1622.354	-0.06123	0.062565	-0.9786
Ttll4	ENSMUSG00000033257	993.2835	-0.06984	0.107685	-0.64857
Rictor	ENSMUSG00000050310	680.7787	-0.04483	0.117851	-0.38044
Bex1	ENSMUSG00000050071	2154.252	0.086531	0.131055	0.660262
Arrdc3	ENSMUSG00000074794	687.7333	0.028474	0.132767	0.214468
Homer1	ENSMUSG00000007617	496.6697	-0.04424	0.108461	-0.40789
Rbm34	ENSMUSG00000033931	727.3897	0.12297	0.071412	1.721987
Ung	ENSMUSG00000029591	899.3394	0.202356	0.091662	2.207644
Slc10a3	ENSMUSG00000032806	436.8094	0.087238	0.075192	1.160207
Foxo1	ENSMUSG00000044167	824.7037	-0.04719	0.085546	-0.55166
Ntmt1	ENSMUSG00000026857	655.2381	0.12004	0.089062	1.347825
Champ1	ENSMUSG00000047710	945.7352	0.077673	0.085021	0.913567
Wac	ENSMUSG00000024283	3489.014	0.008367	0.098157	0.085243
Ice1	ENSMUSG00000034525	1362.26	0.003532	0.106499	0.033163
Fxr1	ENSMUSG00000027680	3017.474	0.06915	0.069108	1.000614
Por	ENSMUSG00000005514	5449.932	0.139951	0.106682	1.311861
Eif4a2	ENSMUSG00000022884	13652.95	0.085234	0.07281	1.17064
Gtf2e1	ENSMUSG00000022828	645.7051	0.145267	0.083057	1.749012
Ddx24	ENSMUSG00000041645	3703.418	0.122906	0.083846	1.46586
Hnrnpa3	ENSMUSG00000059005	16414.92	-0.00012	0.07416	-0.00164
Slc25a44	ENSMUSG00000050144	3114.951	0.084444	0.118797	0.710826
Sdccag3	ENSMUSG00000026927	2439.34	-0.06593	0.060142	-1.0962
Depdc1a	ENSMUSG00000028175	1016.37	-0.10073	0.094859	-1.0619
Dlst	ENSMUSG00000004789	4360.612	0.071757	0.088864	0.807498
Mtx2	ENSMUSG00000027099	1400.079	0.136725	0.088394	1.546779
Scyl2	ENSMUSG00000069539	1499.614	0.004205	0.095848	0.043873
Snrnp27	ENSMUSG00000001158	1330.312	0.109685	0.092236	1.189176
Gm15706	ENSMUSG00000086013	478.0618	-0.04338	0.145996	-0.29713
Fbxl18	ENSMUSG00000066640	946.936	0.095904	0.079271	1.209819
Kcnc1	ENSMUSG00000058975	684.2356	0.093129	0.096955	0.960536
Zfp386	ENSMUSG00000042063	1360.865	0.023794	0.067896	0.350453
Amz2	ENSMUSG00000020610	2321.327	-0.0107	0.069032	-0.15494
Arhgap35	ENSMUSG00000058230	3652.991	-0.02745	0.082925	-0.33108
Mien1	ENSMUSG00000002580	2558.484	0.087994	0.111754	0.787391
Usp15	ENSMUSG00000020124	1972.856	0.136711	0.070794	1.931123
Slc35b1	ENSMUSG00000020873	5285.811	-0.00895	0.100126	-0.0894
Fam168b	ENSMUSG00000037503	3093.068	0.032631	0.085525	0.381537
Pnpt1	ENSMUSG00000020464	1053.914	0.06337	0.063784	0.993514
Gpr161	ENSMUSG00000040836	427.4736	-0.10451	0.116001	-0.90094
Kif20a	ENSMUSG00000003779	3600.122	0.086283	0.078073	1.105148
Mrpl27	ENSMUSG00000024414	1002.842	0.072228	0.10904	0.662403
Cited4	ENSMUSG00000070803	355.9071	-0.07466	0.137685	-0.54227
Thada	ENSMUSG00000024251	631.0774	-0.04008	0.091824	-0.43644
Fa2h	ENSMUSG00000033579	127.1258	0.034263	0.121288	0.282498
Ift88	ENSMUSG00000040040	763.2064	0.188347	0.112952	1.667496
U2af2	ENSMUSG00000030435	6860.334	0.050651	0.065516	0.773105
Trib2	ENSMUSG00000020601	1224.516	-0.14178	0.065594	-2.16146

Tipin	ENSMUSG00000032397	3232.897	0.099587	0.062233	1.600218
A530017D	ENSMUSG00000072847	413.0414	0.003814	0.083331	0.045769
Trmt112	ENSMUSG00000038812	1787.37	0.044675	0.116744	0.382673
S100pbp	ENSMUSG00000040928	1389.656	-0.09034	0.07624	-1.18489
Nav1	ENSMUSG00000009418	3030.213	0.077411	0.114404	0.676648
Ak2	ENSMUSG00000028792	2606.866	0.201814	0.07093	2.84524
Cd164l2	ENSMUSG00000028865	760.559	0.112438	0.08957	1.255301
Nhlrc3	ENSMUSG00000042997	519.9425	-0.06927	0.112696	-0.6147
Vps9d1	ENSMUSG00000001062	784.9432	-0.0826	0.083999	-0.98339
Stxbp1	ENSMUSG00000026797	15049.2	0.06351	0.118462	0.536119
Foxa2	ENSMUSG00000037025	2640.505	-0.07543	0.081484	-0.92567
Eapp	ENSMUSG00000054302	778.7517	-0.11468	0.093768	-1.22305
2810013P	ENSMUSG00000099881	492.1884	0.070395	0.092701	0.759379
Pnpla8	ENSMUSG00000036257	1678.946	0.044524	0.098328	0.452807
Cdh1	ENSMUSG00000000303	11854.96	0.113443	0.0984	1.152878
Sh3bgrl3	ENSMUSG00000028843	1911.266	0.144713	0.116832	1.238636
Polr3g	ENSMUSG00000035834	364.3687	0.191148	0.117103	1.632314
Tgfb1	ENSMUSG00000007613	1269.762	0.113635	0.105323	1.078915
Cyb5d1	ENSMUSG00000044795	314.0586	0.058043	0.102201	0.567929
Egfr	ENSMUSG00000020122	1646.594	-0.11465	0.080035	-1.43254
Rnf13	ENSMUSG00000036503	1173.534	0.108698	0.114874	0.946236
Sgpp1	ENSMUSG00000021054	2359.125	-0.05678	0.115314	-0.49237
Sgta	ENSMUSG00000004937	4023.373	0.070683	0.065042	1.086725
Tarbp2	ENSMUSG00000023051	830.7976	0.147475	0.090941	1.621662
Arhgap1	ENSMUSG00000027247	3003.477	0.031102	0.070245	0.442768
Cmas	ENSMUSG00000030282	3071.208	0.079271	0.06741	1.175956
Crkl	ENSMUSG00000006134	1320.056	0.051757	0.118184	0.437941
Ptar1	ENSMUSG00000074925	78.29457	0.192655	0.136952	1.406738
Nubp1	ENSMUSG00000022503	1631.198	0.029615	0.076423	0.387511
Mbd5	ENSMUSG00000036792	640.6655	0.016816	0.114281	0.147143
Smg9	ENSMUSG00000002210	967.6174	-0.03232	0.08582	-0.37664
Map3k21	ENSMUSG00000031853	323.8877	0.117684	0.131461	0.895199
Xpot	ENSMUSG00000034667	3197.141	0.034943	0.144901	0.241154
Setd5	ENSMUSG00000034269	4318.761	-0.01746	0.087828	-0.19883
Camk2n2	ENSMUSG00000051146	2071.607	0.220938	0.100108	2.207005
Kctd12b	ENSMUSG00000041633	91.95156	0.081831	0.141592	0.577937
Snhg20	ENSMUSG00000086859	457.3913	0.167101	0.133124	1.255231
Atg10	ENSMUSG00000021619	365.0394	0.012512	0.131042	0.095478
H1f0	ENSMUSG00000096210	7184.198	-0.1046	0.077541	-1.34895
Rcn2	ENSMUSG00000032320	2545.054	0.129711	0.082759	1.567325
Gpr146	ENSMUSG00000044197	117.0418	-0.10382	0.112497	-0.92291
Rock1	ENSMUSG00000024290	1948.183	0.021039	0.117982	0.178328
Nap1l3	ENSMUSG00000055733	528.1948	0.160754	0.096414	1.66732
Gpr19	ENSMUSG00000032641	348.5031	0.194417	0.105837	1.836948
Gpam	ENSMUSG00000024978	274.2147	0.078205	0.141772	0.551625
Gm3604	ENSMUSG00000094942	205.4337	0.0569	0.108623	0.523833
Cdkn3	ENSMUSG00000037628	841.448	0.109916	0.10498	1.047019
Dlat	ENSMUSG00000000168	2053.978	0.020613	0.083664	0.246378
Rsrc2	ENSMUSG00000029422	3015.489	0.008121	0.077366	0.104971
Gm14276	ENSMUSG00000082163	264.1755	0.159517	0.100466	1.587767
Rpph1	ENSMUSG00000092837	72.62453	-0.06384	0.09173	-0.696
Mtx3	ENSMUSG00000021704	644.7384	0.035068	0.097534	0.359541

Bnip1	ENSMUSG00000024191	828.6035	-0.00921	0.091697	-0.10041
Pml	ENSMUSG00000036986	1187.983	0.016553	0.065443	0.252937
Vamp8	ENSMUSG00000050732	1155.519	0.089682	0.108463	0.826848
Clgn	ENSMUSG00000002190	3501.247	0.024937	0.119568	0.20856
Gba	ENSMUSG00000028048	2582.223	0.051285	0.079258	0.647068
Snx12	ENSMUSG00000046032	1701.786	0.091603	0.061076	1.499824
Ptpn11	ENSMUSG00000043733	11991.87	0.246846	0.126508	1.951222
Smim13	ENSMUSG000000091264	993.5608	0.053461	0.06216	0.860057
Stxbp2	ENSMUSG00000004626	3110.946	0.060637	0.061838	0.980581
Napepld	ENSMUSG00000044968	768.2572	0.104322	0.080311	1.298977
Dcaf10	ENSMUSG00000035572	1257.835	0.179667	0.065431	2.745919
Gm21992	ENSMUSG000000096370	446.0435	-0.00769	0.120805	-0.06365
1500009L1	ENSMUSG000000087651	1733.529	0.065439	0.09035	0.724288
Coq8b	ENSMUSG000000003762	683.9543	0.090095	0.11597	0.776878
Ubn2	ENSMUSG00000038538	2153.023	-0.02001	0.103843	-0.19266
Actr6	ENSMUSG00000019948	324.9464	0.148638	0.097799	1.519823
Carmil1	ENSMUSG000000021338	1073.011	0.109171	0.11915	0.91625
Gm9843	ENSMUSG000000050299	7615.854	0.119903	0.117745	1.018322
Pts	ENSMUSG000000032067	1036.476	-0.07566	0.125294	-0.60386
Pcdhgc3	ENSMUSG000000102918	1685.211	-0.11598	0.132383	-0.87611
Trim3	ENSMUSG00000036989	1953.213	0.020368	0.083952	0.242614
Cdo1	ENSMUSG000000033022	663.2956	-0.04533	0.102687	-0.44141
Tmem254l	ENSMUSG000000021867	289.3851	0.082155	0.1395	0.588928
Tmem254c	ENSMUSG000000072676	289.3851	0.082155	0.1395	0.588928
Tbl2	ENSMUSG000000005374	3485.119	0.051641	0.127641	0.404582
Mbd2	ENSMUSG000000024513	3168.531	0.001502	0.073936	0.020309
Fndc3b	ENSMUSG000000039286	2846.052	0.041219	0.127716	0.322739
Rbbp6	ENSMUSG000000030779	2824.853	0.060827	0.068907	0.882744
Jakmip2	ENSMUSG000000024502	765.1102	0.08127	0.094649	0.858653
Cutal	ENSMUSG000000026870	189.989	0.183104	0.112803	1.623226
Yipf2	ENSMUSG000000032182	2753.72	0.066109	0.0665	0.994114
Thoc1	ENSMUSG000000024287	1581.515	0.073137	0.069781	1.048102
Mccc2	ENSMUSG000000021646	552.9985	0.034267	0.100928	0.339516
Ccdc88a	ENSMUSG000000032740	1758.726	-0.03028	0.132788	-0.22803
Pak4	ENSMUSG000000030602	2172.592	0.089878	0.088948	1.010455
Irf9	ENSMUSG000000002325	611.1142	0.018171	0.106668	0.170355
Cdr2	ENSMUSG000000030878	2816.665	0.17629	0.103588	1.701832
Ankrd26	ENSMUSG000000007827	702.7591	-0.02042	0.115363	-0.17703
Eml2	ENSMUSG000000040811	1766.849	0.011773	0.130291	0.090359
Cct5	ENSMUSG000000022234	11946.37	0.149554	0.059194	2.526511
Rplp0	ENSMUSG000000067274	34908.15	0.106876	0.109047	0.980096
Sp4	ENSMUSG000000025323	235.7898	0.117212	0.129469	0.905328
Lrrc75a	ENSMUSG000000046417	538.6883	0.074431	0.079038	0.941705
Med6	ENSMUSG000000002679	851.2985	0.063006	0.09304	0.677189
Vapb	ENSMUSG000000054455	7090.846	0.004656	0.068378	0.068085
mt-Ty	ENSMUSG000000064350	180.347	0.030304	0.143126	0.211732
Micu1	ENSMUSG000000020111	2285.583	0.083513	0.075154	1.111219
38596	ENSMUSG000000072214	3503.122	0.157468	0.106717	1.475567
Ank	ENSMUSG000000022265	8316.053	0.140638	0.091025	1.545047
Cpeb1	ENSMUSG000000025586	2892.64	0.072644	0.119395	0.608429
Aplf	ENSMUSG000000030051	342.4885	0.154901	0.097358	1.591044
Slain1	ENSMUSG000000055717	818.507	0.016588	0.097618	0.169932

Gsr	ENSMUSG00000031584	2479.677	0.103616	0.066888	1.549091
Snrpa	ENSMUSG00000061479	2887.323	0.121255	0.09845	1.231643
Rnaset2b	ENSMUSG00000094724	2791.43	-0.03047	0.1192	-0.2556
Tmed7	ENSMUSG00000033184	5589.822	0.001171	0.114157	0.010262
Mov10	ENSMUSG00000002227	156.5455	-0.02004	0.135325	-0.14812
4833420G	ENSMUSG00000062822	1060.086	-0.11146	0.085148	-1.309
Mif	ENSMUSG00000033307	15502.88	-0.02668	0.133075	-0.20045
Ckap5	ENSMUSG00000040549	5134.673	0.01395	0.086464	0.161337
Dnaja1	ENSMUSG00000028410	9278.836	0.102328	0.063672	1.607098
Srp54a	ENSMUSG00000073079	2901.928	-0.00938	0.089637	-0.10469
Ttc9c	ENSMUSG00000071660	1605.559	0.022916	0.095181	0.240762
Eci1	ENSMUSG00000024132	580.3498	0.091876	0.130411	0.704511
Eif2b1	ENSMUSG00000029388	1809.781	0.126522	0.085797	1.474663
Zdhhc17	ENSMUSG00000035798	1381.688	-0.00066	0.100629	-0.00657
Vamp8	ENSMUSG000000103205	1155.519	0.089682	0.108463	0.826848
Uck2	ENSMUSG00000026558	4247.597	0.156298	0.076898	2.032552
Rpl15	ENSMUSG00000012405	11777.34	0.116795	0.103902	1.124086
Pafah1b2	ENSMUSG00000003131	6329.579	0.183322	0.095091	1.927857
Cenpp	ENSMUSG00000021391	647.7974	0.043293	0.071357	0.606719
Ubxn2a	ENSMUSG00000020634	1275.774	-0.10803	0.094435	-1.14394
Klhl29	ENSMUSG00000020627	602.937	-0.00603	0.104114	-0.05791
Fxn	ENSMUSG00000059363	855.5734	0.096125	0.085633	1.122528
Lig1	ENSMUSG00000056394	7355.733	0.210823	0.073999	2.848995
Rnpc3	ENSMUSG00000027981	759.6716	0.043995	0.116393	0.377992
Gm30948	ENSMUSG000000103168	3305.045	0.1857	0.127191	1.460008
Tsen2	ENSMUSG00000042389	402.4714	0.0498	0.128539	0.387431
Crtc2	ENSMUSG00000027936	1556.19	-0.03578	0.087788	-0.40753
Marf1	ENSMUSG00000060657	1850.43	-0.02609	0.102262	-0.25514
Shmt1	ENSMUSG00000020534	1432.729	0.051815	0.094527	0.548145
Pdpf	ENSMUSG00000016344	971.8282	-0.05172	0.127508	-0.40566
Fbxo45	ENSMUSG00000035764	993.026	-0.03267	0.066398	-0.49198
Zfp799	ENSMUSG00000095253	323.7157	-0.12257	0.122951	-0.99693
A230057D	ENSMUSG000000109394	485.4585	-0.09955	0.101005	-0.98561
Ddx46	ENSMUSG00000021500	2828.599	0.02645	0.093115	0.28406
Pigp	ENSMUSG00000022940	2099.757	-0.03721	0.108902	-0.34171
Xbp1	ENSMUSG00000020484	9604.105	0.002509	0.11151	0.022499
Uba5	ENSMUSG00000032557	2966.199	0.110548	0.087683	1.260772
Lrrc20	ENSMUSG00000037151	548.3076	0.133589	0.089488	1.492822
Rpf1	ENSMUSG00000028187	919.3197	-0.01423	0.102071	-0.13943
Smarcc2	ENSMUSG00000025369	6229.533	-0.07511	0.090067	-0.8339
Polr2b	ENSMUSG00000029250	3775.828	0.042076	0.065105	0.646275
Csnk1d	ENSMUSG00000025162	5486.862	0.047428	0.086311	0.549503
Gm6548	ENSMUSG00000091549	276.0876	0.061166	0.116699	0.524141
Ift122	ENSMUSG00000030323	871.8307	0.17315	0.122552	1.412868
Ctps	ENSMUSG00000028633	2995.492	0.099064	0.05326	1.859983
Stom	ENSMUSG00000026880	1525.791	0.163116	0.141226	1.155003
Cand1	ENSMUSG00000020114	5196.801	-0.02271	0.120169	-0.18899
Arfip1	ENSMUSG00000074513	2929.074	0.11952	0.088538	1.349926
Ppil3	ENSMUSG00000026035	461.1882	0.112504	0.126469	0.889576
Ints1	ENSMUSG00000029547	3281.894	0.08473	0.096253	0.880287
Chst1	ENSMUSG00000027221	58.9626	0.084403	0.131203	0.6433
Med8	ENSMUSG00000006392	1313.479	0.004747	0.078356	0.060587

Mrps22	ENSMUSG00000032459	727.7046	0.202988	0.097322	2.085746
Tra2b	ENSMUSG00000022858	5573.34	0.026788	0.077943	0.343688
Nus1	ENSMUSG00000023068	2785.125	0.11943	0.056682	2.106996
Cherp	ENSMUSG00000052488	4674.566	-0.00415	0.114647	-0.0362
Ophn1	ENSMUSG00000031214	233.4426	0.047521	0.138742	0.342516
Gm14325	ENSMUSG00000095362	192.176	0.138477	0.11391	1.215663
Xk	ENSMUSG00000015342	468.8915	-0.19101	0.106153	-1.79934
Eftud2	ENSMUSG00000020929	4380.939	0.169945	0.117962	1.440668
Hist1h1c	ENSMUSG00000036181	2096.28	0.144332	0.145819	0.989804
Nemf	ENSMUSG00000020982	1620.139	0.097954	0.065492	1.495658
Plppr4	ENSMUSG00000044667	131.2981	0.258365	0.120469	2.144655
Fam83d	ENSMUSG00000027654	1174.496	-0.01546	0.072782	-0.21235
Usp18	ENSMUSG00000030107	1007.031	0.082167	0.07259	1.131935
Nans	ENSMUSG00000028334	3967.479	0.114731	0.087318	1.313937
Susd6	ENSMUSG00000021133	2858.979	-0.09672	0.066909	-1.44552
Rbbp7	ENSMUSG00000031353	9174.849	0.027088	0.06618	0.409302
Cpne1	ENSMUSG00000074643	1119.129	0.126675	0.117343	1.079529
Acvr2a	ENSMUSG00000052155	726.1607	0.051025	0.114689	0.444897
Micu2	ENSMUSG00000021973	2131.484	0.040237	0.118613	0.339225
Pigg	ENSMUSG00000029263	486.4311	-0.11203	0.099524	-1.12561
Fdft1	ENSMUSG00000021273	3063.259	0.34116	0.054968	6.206504
Dhx15	ENSMUSG00000029169	6137.577	0.07388	0.089954	0.821316
Dpf1	ENSMUSG00000030584	424.8487	0.274623	0.105711	2.597865
Wnk1	ENSMUSG00000045962	6254.046	0.013133	0.074086	0.177266
Vps25	ENSMUSG00000078656	2795.978	-0.05949	0.120208	-0.49486
Eloc	ENSMUSG00000079658	3739.638	0.112374	0.092041	1.220914
Wdr37	ENSMUSG00000021147	1455.784	0.166153	0.097072	1.711644
Erlin2	ENSMUSG00000031483	2407.743	-0.03602	0.075392	-0.47774
Synpo	ENSMUSG00000043079	462.662	-0.00091	0.134383	-0.0068
Tmpo	ENSMUSG00000019961	9490.557	-0.026	0.091542	-0.28397
2310009A	ENSMUSG00000098332	476.5942	-0.00043	0.097871	-0.00444
Pmpcb	ENSMUSG00000029017	2508.169	0.137376	0.101391	1.35492
Lta4h	ENSMUSG00000015889	1744.492	-0.0196	0.07673	-0.2555
Hdlbp	ENSMUSG00000034088	19778.46	0.105686	0.111884	0.944599
Spag1	ENSMUSG00000037617	717.9168	0.330089	0.116675	2.82914
Spcs3	ENSMUSG00000054408	7376.349	-0.0189	0.125085	-0.1511
Fopnl	ENSMUSG00000022677	1373.633	0.095089	0.111214	0.85501
Clptm1l	ENSMUSG00000021610	5336.795	-0.03594	0.063819	-0.56312
Reck	ENSMUSG00000028476	62.19235	0.023938	0.144598	0.165548
Nelfe	ENSMUSG00000024369	3475.822	0.158156	0.100661	1.571177
Rnf168	ENSMUSG00000014074	1342.495	0.000505	0.078237	0.006455
Sdad1	ENSMUSG00000029415	1015.27	0.147743	0.103557	1.426679
Grem1	ENSMUSG00000074934	918.6948	-0.27381	0.145966	-1.87582
Hmgn2	ENSMUSG00000003038	20971.55	-0.03245	0.128948	-0.25166
Trappc4	ENSMUSG00000032112	1768.45	0.241334	0.119852	2.013596
Atp6v1d	ENSMUSG00000021114	4547.026	0.039808	0.108023	0.368512
Bccip	ENSMUSG00000030983	2039.782	0.177587	0.107137	1.657572
Atoh8	ENSMUSG00000037621	689.8806	0.078069	0.120069	0.650199
Glmn	ENSMUSG00000029276	314.0937	0.151144	0.127865	1.182056
Tmem163	ENSMUSG00000026347	3628.222	-0.05676	0.084895	-0.66855
Sfxn2	ENSMUSG00000025036	1241.973	0.070499	0.118445	0.5952
Adam32	ENSMUSG00000037437	382.9973	0.252395	0.134071	1.882548

Jade3	ENSMUSG00000037315	1061.682	-0.06192	0.103387	-0.59893
Dzip1	ENSMUSG00000042156	555.9913	0.192319	0.093752	2.051357
Ensa	ENSMUSG00000038619	3551.301	0.103015	0.057433	1.793649
Ift27	ENSMUSG00000016637	1646.31	0.061561	0.127735	0.481947
Mvd	ENSMUSG00000006517	701.6781	0.292532	0.111941	2.613264
Pdia5	ENSMUSG00000022844	2333.96	0.050921	0.113653	0.448043
Supv3l1	ENSMUSG00000020079	953.4198	0.015651	0.076541	0.204474
Ltn1	ENSMUSG00000052299	2698.964	-0.00336	0.096099	-0.03495
Scaf1	ENSMUSG00000038406	4154.864	0.067431	0.084113	0.801666
Dcaf4	ENSMUSG00000021222	389.0547	0.116009	0.135278	0.85756
Gm15387	ENSMUSG00000082585	2000.532	-0.1238	0.090617	-1.36622
Echdc2	ENSMUSG00000028601	949.728	0.058402	0.113703	0.513637
Nudt11	ENSMUSG00000073295	2961.164	0.097196	0.12677	0.766712
Cmc4	ENSMUSG00000090110	267.79	0.035662	0.124162	0.287219
Gm27168	ENSMUSG00000099162	850.7942	0.122542	0.139575	0.877967
Wrb	ENSMUSG00000023147	1015.077	0.207567	0.083398	2.488883
Tmem80	ENSMUSG00000025505	927.7042	0.122339	0.108138	1.131322
Soga3	ENSMUSG00000038916	825.2387	-0.04156	0.130625	-0.31817
Naa15	ENSMUSG00000063273	3193.69	0.238775	0.102684	2.325329
Fem1b	ENSMUSG00000032244	6628.438	0.101157	0.096543	1.047797
Zfp706	ENSMUSG00000062397	5373.252	-0.01291	0.083059	-0.15541
Psme4	ENSMUSG00000040850	4724.474	-0.02696	0.10548	-0.25555
Atp5h	ENSMUSG00000034566	7353.585	0.188494	0.110148	1.711276
Plch1	ENSMUSG00000036834	359.0439	0.063159	0.120917	0.522332
Npy	ENSMUSG00000029819	12103.95	0.037739	0.108149	0.348954
2410006H	ENSMUSG00000086841	990.2312	0.022793	0.144963	0.157234
Large2	ENSMUSG00000040434	998.826	0.041543	0.073906	0.562111
1110051M	ENSMUSG00000040591	1232.208	0.105668	0.111449	0.948124
Haus4	ENSMUSG00000022177	1349.941	-0.02115	0.0883	-0.23956
Zfp69	ENSMUSG00000064141	55.05333	0.151949	0.140956	1.077993
Ercc1	ENSMUSG00000003549	502.4462	-0.02829	0.132249	-0.21392
Wasf3	ENSMUSG00000029636	662.1244	-0.06062	0.114948	-0.52735
Cfdp1	ENSMUSG00000031954	3156.179	0.122908	0.094564	1.299737
Smc5	ENSMUSG00000024943	1830.949	0.028164	0.083526	0.337194
Tiprl	ENSMUSG00000040843	1726.565	0.076194	0.076519	0.995759
Acot9	ENSMUSG00000025287	934.9677	0.107524	0.098364	1.093129
Mapk8ip2	ENSMUSG00000022619	7117.504	0.079928	0.08283	0.964962
Xrcc1	ENSMUSG00000051768	3043.357	0.184953	0.087393	2.116324
Trim43b	ENSMUSG00000079162	54.29875	0.151044	0.144136	1.047929
Psmc2	ENSMUSG00000028932	5731.365	0.192141	0.080318	2.392273
Desi1	ENSMUSG00000022472	7622.555	0.041327	0.065241	0.633455
Gipc1	ENSMUSG00000019433	1786.89	0.152828	0.076241	2.004528
Mcm10	ENSMUSG00000026669	1450.852	0.226399	0.092809	2.43941
Vkorc1	ENSMUSG00000096145	3418.15	0.177389	0.097542	1.818587
Lnpep	ENSMUSG00000023845	301.3217	0.022785	0.141256	0.161304
Larp1	ENSMUSG00000037331	5871.247	0.083021	0.070674	1.174715
Stx7	ENSMUSG00000019998	3786.881	0.067567	0.065217	1.03604
Slc50a1	ENSMUSG00000027953	2035.831	-0.0295	0.089012	-0.33143
Appl1	ENSMUSG00000040760	1531.775	0.095991	0.09531	1.007149
Setdb1	ENSMUSG00000015697	1669.933	-0.0125	0.08291	-0.15082
Psmc5	ENSMUSG00000020708	5653.168	0.180431	0.083754	2.154284
Pcdhb20	ENSMUSG00000046191	834.1465	0.052114	0.073145	0.712475

Paics	ENSMUSG00000029247	6917.764	0.180335	0.0888	2.030803
Commd1	ENSMUSG00000051355	2860.772	0.208908	0.094296	2.215442
Tlk2	ENSMUSG00000020694	1526.493	-0.01739	0.058391	-0.29782
Ccdc163	ENSMUSG00000028689	326.1987	-0.02524	0.121057	-0.20849
Kctd20	ENSMUSG00000005936	3559.915	0.023708	0.101041	0.234635
Nr2c2	ENSMUSG00000005893	2481.604	-0.0679	0.101925	-0.66619
Zfp764	ENSMUSG00000045757	411.1059	-0.05249	0.135447	-0.38756
Ror1	ENSMUSG00000035305	156.453	0.155944	0.141647	1.100932
Samd8	ENSMUSG00000021770	1567.239	0.060733	0.062611	0.970005
Prpf40a	ENSMUSG00000061136	2956.339	0.114579	0.075134	1.524993
Lrrc58	ENSMUSG00000034158	2320.833	-0.06295	0.105205	-0.59838
Cpsf3	ENSMUSG00000054309	2093.462	0.075651	0.082655	0.915263
Aurkaip1	ENSMUSG00000065990	1790.099	0.070175	0.108799	0.644997
Prpf38b	ENSMUSG00000027881	2071.822	-0.02241	0.093879	-0.23867
Pi4ka	ENSMUSG00000041720	5322.069	0.145636	0.113956	1.278003
Ankrd49	ENSMUSG00000031931	585.6211	0.043661	0.085332	0.511662
Tnpo1	ENSMUSG00000009470	6225.344	0.101881	0.11288	0.902558
Ilf3	ENSMUSG00000032178	4045.229	0.068556	0.048492	1.413781
Cast	ENSMUSG00000021585	866.41	-0.01922	0.085047	-0.22599
Zfp770	ENSMUSG00000040321	412.1401	0.010709	0.129271	0.082841
Rad21	ENSMUSG00000022314	12877.5	-0.04492	0.079428	-0.56555
Acyp1	ENSMUSG00000008822	704.5939	0.124681	0.09865	1.263866
Anks6	ENSMUSG00000066191	567.766	0.125738	0.096726	1.299944
Sod2	ENSMUSG00000006818	3355.787	0.195499	0.070912	2.756924
Mlh3	ENSMUSG00000021245	760.9343	-0.04711	0.07957	-0.59202
Snhg12	ENSMUSG00000086290	451.0373	0.144941	0.115702	1.252715
Lyplal1	ENSMUSG00000039246	928.214	-0.06525	0.09866	-0.66132
Casd1	ENSMUSG00000015189	1432.857	-0.03107	0.105956	-0.29326
Gars	ENSMUSG00000029777	11385.8	0.133103	0.086981	1.530255
Ckap2	ENSMUSG00000037725	2465.39	0.011657	0.07471	0.156027
Mul1	ENSMUSG00000041241	1283.138	0.070397	0.061225	1.149809
Glp1r	ENSMUSG00000024027	1759.361	0.046302	0.14147	0.327292
Hmgn1	ENSMUSG00000040681	10823.5	-0.02404	0.069839	-0.34415
Lym4	ENSMUSG00000046573	549.2734	0.084242	0.110114	0.765037
Apba1	ENSMUSG00000024897	2022.52	0.039481	0.07268	0.543222
Arhgap8	ENSMUSG00000078954	58.48872	0.100203	0.142462	0.703364
Etl4	ENSMUSG00000036617	327.9925	0.03972	0.131881	0.301183
Ubap2l	ENSMUSG00000042520	7414.25	0.024477	0.086615	0.282598
Dclre1a	ENSMUSG00000025077	512.4457	-0.12186	0.111426	-1.09366
Snx4	ENSMUSG00000022808	1875.193	0.078889	0.127441	0.619023
Klc1	ENSMUSG00000021288	5084.268	0.279747	0.082704	3.382514
Lmln	ENSMUSG00000022802	336.8224	-0.00352	0.113186	-0.03114
Gm6206	ENSMUSG00000048949	136.2656	0.13257	0.142703	0.928988
Cask	ENSMUSG00000031012	1845.577	-0.0397	0.07947	-0.4996
Lrrc1	ENSMUSG00000032352	1095.633	0.110051	0.062879	1.750206
Sec11c	ENSMUSG00000024516	3106.139	0.061157	0.120482	0.507605
Gfod2	ENSMUSG00000013150	775.8639	0.150577	0.128295	1.17368
Mtmr9	ENSMUSG00000035078	821.4393	0.010292	0.115235	0.089314
Plekhj1	ENSMUSG00000035278	973.9564	0.074107	0.091568	0.809308
Prim2	ENSMUSG00000026134	1561.655	0.162121	0.066894	2.423565
Rps23	ENSMUSG00000049517	4687.88	0.150783	0.101404	1.486957
Parg	ENSMUSG00000021911	1183.979	-0.03579	0.064467	-0.5552

Svil	ENSMUSG00000024236	646.0937	-0.18817	0.144088	-1.30592
Cbll1	ENSMUSG00000020659	818.8661	-0.02637	0.106679	-0.24721
Ogfod1	ENSMUSG00000033009	1110.86	0.226616	0.105862	2.140676
Exosc1	ENSMUSG00000034321	731.886	0.101023	0.072577	1.391948
Eli2	ENSMUSG00000001542	749.4029	-0.21303	0.13401	-1.58963
Msh2	ENSMUSG00000024151	1648.732	0.058041	0.066444	0.873521
Fam214b	ENSMUSG00000036002	657.9634	0.106899	0.1207	0.885657
Sin3b	ENSMUSG00000031622	3387.965	0.189337	0.102162	1.853308
Tmem254c	ENSMUSG00000072680	320.3809	-0.02091	0.122858	-0.17023
Setbp1	ENSMUSG00000024548	790.8298	-0.09094	0.126765	-0.7174
Sh3bgrl2	ENSMUSG00000032261	977.7494	-0.12506	0.128949	-0.96982
Zfp644	ENSMUSG00000049606	1010.492	0.090321	0.087363	1.033865
Tex30	ENSMUSG00000026049	1406.499	-0.03758	0.119366	-0.31482
Maf	ENSMUSG00000055435	2561.398	-0.13305	0.097476	-1.36494
Tpd52	ENSMUSG00000027506	11233.48	0.183693	0.07089	2.591222
Zcchc17	ENSMUSG00000108747	777.511	0.058012	0.082355	0.70441
Btaf1	ENSMUSG00000040565	1606.168	0.062461	0.110131	0.567151
Sh3pxd2a	ENSMUSG00000053617	7031.281	-0.04065	0.098252	-0.41372
Sdf2	ENSMUSG00000002064	2600.59	0.153237	0.095731	1.600693
Dazap1	ENSMUSG00000069565	3616.465	-0.073	0.059645	-1.22389
Kcnk1	ENSMUSG00000033998	2788.091	0.024148	0.121301	0.199074
S100a13	ENSMUSG00000042312	632.7386	0.151859	0.111537	1.361504
Rfc1	ENSMUSG00000029191	2479.421	-0.07487	0.0777	-0.96354
Slc25a37	ENSMUSG00000034248	1521.701	0.217803	0.106518	2.044749
Cdhr1	ENSMUSG00000021803	22802.03	-0.01938	0.1167	-0.16611
Tmco4	ENSMUSG00000041143	181.626	-0.00553	0.100156	-0.05524
Fam19a1	ENSMUSG00000059187	71.7655	0.100633	0.138812	0.724958
Gnl2	ENSMUSG00000028869	2557.976	0.077231	0.092273	0.836986
Psmc13	ENSMUSG00000025487	4956.552	0.13712	0.078912	1.73764
Znhit6	ENSMUSG00000074182	460.7996	0.168868	0.115639	1.460303
Ankib1	ENSMUSG00000040351	1710.012	0.110702	0.104401	1.060352
Arpc2	ENSMUSG00000006304	5186.796	0.113842	0.08849	1.286498
Zfr2	ENSMUSG00000034949	550.7886	-0.08477	0.127591	-0.6644
Lsm6	ENSMUSG00000031683	2224.013	-0.02337	0.108762	-0.21483
Cenpu	ENSMUSG00000031629	895.0285	0.208098	0.092501	2.249685
Inpp5j	ENSMUSG00000034570	967.2105	-0.22073	0.089577	-2.46413
Ptprk	ENSMUSG00000019889	804.1769	0.006968	0.135661	0.05136
Nol6	ENSMUSG00000028430	1816.358	0.154226	0.105	1.46882
Hmgcll1	ENSMUSG00000007908	721.3797	-0.08685	0.1297	-0.66959
Cnih2	ENSMUSG00000024873	1599.027	0.155013	0.139648	1.110024
Clcn2	ENSMUSG00000022843	301.9606	0.025635	0.107741	0.237929
Atp5d	ENSMUSG00000003072	7280.389	0.137413	0.110999	1.237973
Cct2	ENSMUSG00000034024	9957.017	0.120423	0.067103	1.794607
Serbp1	ENSMUSG00000036371	9576.638	0.170311	0.069191	2.461478
Casp8	ENSMUSG00000026029	833.0074	0.028511	0.097498	0.292427
Brcc3	ENSMUSG00000031201	1629.021	-0.00299	0.105573	-0.02833
E2f4	ENSMUSG00000014859	2297.136	-0.03078	0.097786	-0.31477
Fam193a	ENSMUSG00000037210	1477.063	0.049927	0.079106	0.631139
Aagab	ENSMUSG00000037257	1907.869	0.090406	0.065693	1.37619
Amd1	ENSMUSG00000075232	5677.622	0.213438	0.097286	2.193918
Fiz1	ENSMUSG00000061374	1063.068	0.040052	0.072162	0.555034
Tmem259	ENSMUSG00000013858	3740.072	0.01559	0.088247	0.176665

Steap3	ENSMUSG00000026389	40.44556	0.050547	0.143701	0.351751
Slc11a2	ENSMUSG00000023030	1148.051	-0.06185	0.097737	-0.63277
Pofut1	ENSMUSG00000046020	927.9472	0.068027	0.094069	0.723163
Tceanc	ENSMUSG00000051224	251.6434	-0.03656	0.087496	-0.41786
Atp6ap2	ENSMUSG00000031007	20550.94	0.065456	0.10862	0.602609
A430035B	ENSMUSG00000087305	105.6112	0.035481	0.12635	0.280814
Spin4	ENSMUSG00000071722	118.544	0.029463	0.138547	0.212655
Atp6v0e2	ENSMUSG00000039347	9869.485	0.008209	0.068715	0.119463
Cacng2	ENSMUSG00000019146	74.1676	-0.02942	0.138233	-0.21286
Sgf29	ENSMUSG00000030714	874.1976	0.013917	0.095182	0.146213
Dhx36	ENSMUSG00000027770	2206.513	0.056549	0.073457	0.769829
Taok1	ENSMUSG00000017291	2042.695	0.035468	0.085572	0.41448
Wsb1	ENSMUSG00000017677	660.2069	-0.06852	0.115764	-0.59186
Fosb	ENSMUSG00000003545	174.0398	0.051223	0.144832	0.353676
Ndel1	ENSMUSG00000018736	2806.689	0.09574	0.08663	1.105156
Pdp1	ENSMUSG00000049225	489.8996	0.023179	0.100695	0.230186
Acsl5	ENSMUSG00000024981	6588.114	0.017095	0.067339	0.253869
Tmem39b	ENSMUSG00000053730	340.5629	-0.03436	0.110087	-0.31211
Mgrn1	ENSMUSG00000022517	3217.126	0.13609	0.056704	2.400024
Arpp19	ENSMUSG00000007656	4088.252	0.116509	0.098926	1.177733
Gpr160	ENSMUSG00000037661	131.664	0.122837	0.139534	0.880336
Zfp160	ENSMUSG00000067942	506.6004	-0.02526	0.090828	-0.27807
Edf1	ENSMUSG00000015092	4556.343	0.076785	0.106498	0.721003
Usp11	ENSMUSG00000031066	1427.904	0.250947	0.143117	1.753441
Zfp382	ENSMUSG00000074220	188.031	0.077097	0.135165	0.570394
Nr1d1	ENSMUSG00000020889	350.9728	-0.00202	0.132978	-0.01518
Ggt5	ENSMUSG00000006344	487.94	0.410579	0.137474	2.986602
Slc12a2	ENSMUSG00000024597	625.7647	0.029984	0.127862	0.234505
Wdtdc1	ENSMUSG00000037622	1876.806	-0.09899	0.063139	-1.56786
Zfp672	ENSMUSG00000049755	1282.348	0.047881	0.082403	0.581067
Rab3gap2	ENSMUSG00000039318	3017.811	0.122031	0.073644	1.657056
Cdk4	ENSMUSG00000006728	8632.551	0.036701	0.091325	0.401869
Rpl23a	ENSMUSG00000058546	13874.57	0.183562	0.102007	1.79951
9330159M	ENSMUSG00000097177	176.5326	0.175665	0.119729	1.467188
Lars2	ENSMUSG00000035202	86682.93	0.0815	0.128257	0.635445
Tusc2	ENSMUSG00000010054	1090.381	0.073908	0.105078	0.703358
Fam49a	ENSMUSG00000020589	559.7548	0.106542	0.094572	1.126575
Dld	ENSMUSG00000020664	3960.324	0.066309	0.054457	1.217646
Phf13	ENSMUSG00000047777	983.4045	0.037452	0.060444	0.619621
Hvcn1	ENSMUSG00000064267	337.3914	0.026393	0.114261	0.230986
Plekha3	ENSMUSG00000002733	1385.551	-0.01812	0.073724	-0.24574
Pcsk1	ENSMUSG00000021587	40105.43	0.095889	0.113022	0.848416
Adss	ENSMUSG00000015961	1610.411	0.129949	0.061078	2.127593
Maz	ENSMUSG00000030678	9046.196	0.026489	0.074973	0.35332
Rev3l	ENSMUSG00000019841	2861.024	-0.16035	0.08561	-1.87306
Daxx	ENSMUSG00000002307	1040.15	0.165442	0.095465	1.733004
Psmc1	ENSMUSG00000021178	4655.532	0.094951	0.096472	0.984226
Vldlr	ENSMUSG00000024924	2397.263	-0.00895	0.134126	-0.06673
Cd320	ENSMUSG00000002308	965.4351	0.094779	0.088777	1.06761
Sf3a2	ENSMUSG00000020211	2453.365	0.038786	0.069517	0.557943
Sco1	ENSMUSG00000069844	338.5269	0.194893	0.092135	2.115308
Cacul1	ENSMUSG00000033417	2334.603	-0.04712	0.094811	-0.49696

Ano10	ENSMUSG00000037949	929.1829	0.102296	0.095282	1.073606
Rttm	ENSMUSG00000023066	388.954	-0.01645	0.093866	-0.17529
Donson	ENSMUSG00000022960	1730.013	-0.01009	0.088535	-0.114
Zbtb39	ENSMUSG00000044617	506.4178	-0.00751	0.094742	-0.07926
Ptpn2	ENSMUSG00000024539	1128.136	0.125432	0.073784	1.699985
Smc3	ENSMUSG00000024974	3780.626	0.085496	0.077963	1.096628
Gm4211	ENSMUSG00000097146	568.7993	-0.01589	0.135691	-0.11713
Fmn2	ENSMUSG00000028354	1013.51	-0.01301	0.117675	-0.11056
Rtca	ENSMUSG00000000339	1504.153	0.152091	0.090707	1.676728
B230219D	ENSMUSG00000045767	5835.256	-0.00666	0.113348	-0.0588
Kif5c	ENSMUSG00000026764	3334.357	0.126397	0.097471	1.296762
Dnajc4	ENSMUSG00000024963	530.125	0.060687	0.119833	0.506431
Mindy2	ENSMUSG00000042444	2217.299	0.120262	0.133038	0.903971
Arl10	ENSMUSG00000025870	175.5558	0.143325	0.134856	1.062795
Nubp2	ENSMUSG00000039183	1206.744	0.118624	0.083268	1.424604
Msl3	ENSMUSG00000031358	1317.477	0.042946	0.075102	0.571835
Adam10	ENSMUSG00000054693	3126.072	0.07788	0.093653	0.831586
Rbm12	ENSMUSG00000089824	1261.558	0.028006	0.116138	0.241142
Arf6	ENSMUSG00000044147	2205.931	0.028895	0.061283	0.471493
Gdap1	ENSMUSG00000025777	3653.216	0.069872	0.083479	0.836999
Nsfl1c	ENSMUSG00000027455	3115.758	0.166329	0.0881	1.887954
Txnrd3	ENSMUSG00000000811	149.2393	0.145812	0.124443	1.171719
5830417I1	ENSMUSG00000078684	884.3329	-0.12638	0.130521	-0.9683
2700049A	ENSMUSG00000034601	1077.408	0.002325	0.101864	0.022828
Dmd	ENSMUSG00000045103	163.1694	0.018697	0.138796	0.134708
Mrpl51	ENSMUSG00000030335	2526.442	0.199612	0.100689	1.982456
Siah1b	ENSMUSG00000040749	535.2209	0.046812	0.078208	0.598559
Hnrnpc	ENSMUSG00000060373	7658.463	0.032144	0.068429	0.469748
Top1	ENSMUSG00000070544	2487.603	-0.0414	0.081442	-0.50833
Kansl1	ENSMUSG00000018412	2283.884	-0.04272	0.119721	-0.35685
Hmbs	ENSMUSG00000032126	1599.887	0.129625	0.111264	1.165019
Gimp	ENSMUSG00000001418	4644.25	0.017297	0.113632	0.15222
Hars	ENSMUSG00000001380	2835.576	0.196285	0.064887	3.025002
Ldlrap1	ENSMUSG00000037295	510.8042	-0.14771	0.136571	-1.08155
Ttc28	ENSMUSG00000033209	2902.049	0.320526	0.121727	2.633154
Zfp60	ENSMUSG00000037640	931.4181	-0.01886	0.078216	-0.24115
1110059E2	ENSMUSG00000035171	927.3756	0.075954	0.08844	0.858816
Arfgap3	ENSMUSG00000054277	3487.286	0.163637	0.092402	1.770937
Rps16-ps2	ENSMUSG00000060419	4584.938	0.082653	0.106448	0.776468
Dclre1b	ENSMUSG00000027845	520.6024	0.038179	0.08936	0.427246
Ccdc58	ENSMUSG00000075229	747.7649	0.079231	0.141776	0.558844
Drg1	ENSMUSG00000020457	3644.507	0.039844	0.086848	0.458775
Rtkn2	ENSMUSG00000037846	621.5095	0.32719	0.12108	2.702262
Gm42428	ENSMUSG00000105353	1562.528	0.074442	0.127296	0.584797
Inpp1	ENSMUSG00000032737	1410.908	-0.18084	0.128856	-1.40346
Mpv17l2	ENSMUSG00000111476	693.1219	0.229807	0.105829	2.171497
Snap91	ENSMUSG00000033419	3472.086	0.089754	0.085553	1.049106
Elk1	ENSMUSG00000009406	836.2903	0.030755	0.07993	0.384766
Aida	ENSMUSG00000042901	3237.466	0.045979	0.100112	0.459272
Hcn3	ENSMUSG00000028051	442.4155	0.084715	0.102757	0.824416
Yipf5	ENSMUSG00000024487	3347.015	0.036436	0.075312	0.483798
Hist1h4i	ENSMUSG00000060639	508.6808	0.160305	0.123952	1.293287

Brix1	ENSMUSG00000022247	1450.429	0.050654	0.105115	0.481892
Otud3	ENSMUSG00000041161	386.4093	0.047727	0.132347	0.360617
Med12l	ENSMUSG00000056476	898.9984	0.148984	0.109481	1.360822
Fam122b	ENSMUSG00000036022	601.2949	-0.07424	0.10374	-0.71561
Elavl4	ENSMUSG00000028546	2164.617	0.0311	0.102978	0.302012
Mpc2	ENSMUSG00000026568	1656.414	0.18629	0.110842	1.680685
Ikzf5	ENSMUSG00000040167	819.6599	0.006701	0.115909	0.057809
Ccnyl1	ENSMUSG00000070871	880.1761	0.030973	0.068447	0.452514
Trip4	ENSMUSG00000032386	999.1921	0.054265	0.111956	0.484704
Tex2	ENSMUSG00000040548	2347.992	0.081642	0.083587	0.976732
Tcim	ENSMUSG00000056313	829.7153	-0.24065	0.129625	-1.85647
Ash1l	ENSMUSG00000028053	2411.021	0.035265	0.116695	0.302202
Slc7a8	ENSMUSG00000022180	2810.582	-0.05944	0.124158	-0.47877
Ttc13	ENSMUSG00000037300	3352.878	0.011487	0.081695	0.140606
Syt11	ENSMUSG00000068923	5942.404	0.101874	0.090399	1.12694
Fgd1	ENSMUSG00000025265	583.6189	-0.00883	0.09174	-0.09621
Tbpl1	ENSMUSG00000071359	1222.562	-0.06966	0.099688	-0.69876
Psmc3	ENSMUSG00000002102	5081.957	0.187004	0.078332	2.38731
Adipor2	ENSMUSG00000030168	2968.394	0.055033	0.110586	0.497652
Atp1a1	ENSMUSG00000033161	33288.25	-0.00356	0.087005	-0.04092
Akt1s1	ENSMUSG00000011096	2357.292	0.214814	0.10268	2.092061
Phf19	ENSMUSG00000026873	975.1656	0.105647	0.104357	1.012359
Adora1	ENSMUSG00000042429	1150.372	-0.10172	0.145852	-0.69741
Gpt	ENSMUSG00000022546	446.7033	0.082877	0.095096	0.871511
Sdhd	ENSMUSG00000000171	5361.185	0.222514	0.08597	2.588289
Stx17	ENSMUSG00000061455	822.0379	0.14982	0.093758	1.597942
MIlt11	ENSMUSG00000053192	4923.468	0.068405	0.107163	0.638323
Nup37	ENSMUSG00000035351	459.9539	0.0924	0.09074	1.018299
Nav2	ENSMUSG00000052512	2387.847	0.056533	0.115082	0.491245
H2afv	ENSMUSG00000041126	2400.298	0.058926	0.091687	0.642688
Med30	ENSMUSG00000038622	915.3228	0.046539	0.108568	0.428657
Snx27	ENSMUSG00000028136	2896.838	0.078634	0.072967	1.077676
Cfap20	ENSMUSG00000031796	2353.879	-0.0235	0.113408	-0.20719
Dis3l	ENSMUSG00000032396	1228.118	0.023497	0.064321	0.365305
Tcf20	ENSMUSG00000041852	1466.133	-0.00264	0.093293	-0.02826
Ndufa1	ENSMUSG00000016427	3051.571	0.060838	0.101162	0.601394
Ntan1	ENSMUSG00000022681	1144.344	0.020087	0.081218	0.247327
Psip1	ENSMUSG00000028484	6399.46	0.001599	0.078565	0.020352
Sar1b	ENSMUSG00000020386	2552.234	0.079776	0.065963	1.209407
Enkd1	ENSMUSG00000013155	1210.202	0.082118	0.115231	0.712641
Dbi	ENSMUSG00000026385	2450.389	0.157793	0.107569	1.466899
Pdk3	ENSMUSG00000035232	1419.904	-0.05565	0.099904	-0.55705
Emg1	ENSMUSG00000004268	1885.471	0.087842	0.086118	1.020019
Ppp2r5d	ENSMUSG00000059409	2504.865	0.056245	0.050037	1.124066
Celf6	ENSMUSG00000032297	765.6363	0.074661	0.087579	0.852501
Elovl7	ENSMUSG00000021696	985.8183	0.035874	0.096268	0.372649
Camk4	ENSMUSG00000038128	609.4399	0.040915	0.131095	0.312103
Vgll4	ENSMUSG00000030315	291.0048	-0.02503	0.102886	-0.24329
Arl16	ENSMUSG00000057594	425.6508	0.076226	0.100037	0.761976
Fem1c	ENSMUSG00000033319	1134.806	-0.05792	0.081013	-0.71498
Dnajc18	ENSMUSG00000024350	1549.57	0.12683	0.082502	1.537297
Ccdc15	ENSMUSG00000034303	76.44635	0.115133	0.1344	0.856642

Topbp1	ENSMUSG00000032555	5241.859	0.046946	0.111298	0.421806
Nol3	ENSMUSG00000014776	317.0848	0.316655	0.126833	2.49662
Klhl26	ENSMUSG00000055707	753.166	0.02278	0.078092	0.291714
Hccs	ENSMUSG00000031352	1236.662	0.035159	0.070978	0.495344
Ilk	ENSMUSG00000030890	4126.505	0.085425	0.058851	1.451558
Tat	ENSMUSG00000001670	192.8828	-0.0563	0.140824	-0.39977
Sec63	ENSMUSG00000019802	4587.843	0.127484	0.087092	1.463785
Dip2b	ENSMUSG00000023026	1713.331	0.070897	0.067125	1.056195
Cnpy2	ENSMUSG00000025381	3337.111	-0.09323	0.102921	-0.90585
Cdon	ENSMUSG00000038119	714.0764	0.207595	0.095578	2.171983
Ccdc51	ENSMUSG00000025645	324.5386	0.141605	0.111192	1.273513
Esrrg	ENSMUSG00000026610	805.5132	-0.05033	0.12312	-0.40879
Virma	ENSMUSG00000040720	1913.724	0.024839	0.084782	0.292979
Exoc6	ENSMUSG00000053799	800.9006	0.00595	0.101042	0.058884
Pik3c3	ENSMUSG00000033628	1285.127	0.009531	0.082009	0.116223
Hdac2	ENSMUSG00000019777	4630.002	0.10169	0.062533	1.62618
Phf5a	ENSMUSG00000061360	2497.856	0.14546	0.091813	1.584305
Med12	ENSMUSG00000079487	1737.531	0.042762	0.124928	0.342292
BC022960	ENSMUSG00000081137	125.2003	0.129918	0.142569	0.911265
Csrp1	ENSMUSG00000026421	2310.307	-0.07794	0.095677	-0.81458
Snip1	ENSMUSG00000050213	1215.046	0.021681	0.064683	0.335188
Primpol	ENSMUSG00000038225	650.061	0.107099	0.103731	1.032473
Asap2	ENSMUSG00000052632	378.3734	0.071262	0.106937	0.666393
Adipor1	ENSMUSG00000026457	5699.09	0.029021	0.067729	0.428482
Zc4h2	ENSMUSG00000035062	279.5346	0.036853	0.105501	0.34931
Bahcc1	ENSMUSG00000039741	524.3956	0.025279	0.117346	0.215421
Smad1	ENSMUSG00000031681	1400.207	-0.03918	0.073803	-0.53082
Tbc1d14	ENSMUSG00000029192	2889.423	0.322189	0.113426	2.840523
Unc119b	ENSMUSG00000046562	3298.365	0.195601	0.066777	2.929192
Orai3	ENSMUSG00000043964	1044.041	-0.10616	0.092383	-1.1491
Ccnh	ENSMUSG00000021548	1345.881	0.0772	0.066396	1.162716
Wars2	ENSMUSG00000004233	298.2729	0.060294	0.109816	0.549051
Zfp458	ENSMUSG00000055480	90.87406	-0.00651	0.133875	-0.0486
Insig1	ENSMUSG00000045294	5169.431	0.088281	0.145958	0.604841
Rnf7	ENSMUSG00000051234	2634.811	0.091763	0.088798	1.033389
Cyb5r1	ENSMUSG00000026456	2357.376	-0.00283	0.109992	-0.02577
Acyp2	ENSMUSG00000060923	317.0575	0.206638	0.117218	1.762858
Ate1	ENSMUSG00000030850	2454.159	0.069283	0.090564	0.765019
Emc6	ENSMUSG00000047260	1260.295	0.093326	0.111566	0.836507
Ucn3	ENSMUSG00000044988	435.8112	0.122621	0.13213	0.928034
Tbl1x	ENSMUSG00000025246	3777.482	0.006572	0.086454	0.076019
Gm527	ENSMUSG00000047227	73.47835	0.043408	0.131827	0.329276
Ttc21b	ENSMUSG00000034848	604.652	0.102015	0.082637	1.234502
Uprt	ENSMUSG00000073016	76.48229	0.080102	0.145989	0.548687
Skida1	ENSMUSG00000054074	316.8825	0.035268	0.119205	0.295859
Mrpl17	ENSMUSG00000030879	2669.593	0.090884	0.111661	0.813921
Runx1t1	ENSMUSG00000006586	1415.759	-0.03652	0.131792	-0.27707
Syn1	ENSMUSG00000037217	6185.189	0.003381	0.090782	0.037248
Edem1	ENSMUSG00000030104	6023.477	0.118018	0.111411	1.0593
Cdc25a	ENSMUSG00000032477	2086.144	0.061883	0.063666	0.971987
Cnm1	ENSMUSG00000025189	900.0405	-0.02801	0.119932	-0.23353
Dhps	ENSMUSG00000060038	1225.964	0.031155	0.107659	0.28939

Tubg1	ENSMUSG00000035198	6550.375	0.02775	0.057935	0.478983
Zbtb24	ENSMUSG00000019826	762.4568	-0.02552	0.102238	-0.2496
Pskh1	ENSMUSG00000048310	1797.326	-0.16135	0.091382	-1.76568
Scaf4	ENSMUSG00000022983	1915.873	0.022612	0.081326	0.278044
Glyr1	ENSMUSG00000022536	5188.894	0.157603	0.070289	2.242201
Memo1	ENSMUSG00000058704	1704.792	0.15451	0.070221	2.20033
Rnf8	ENSMUSG00000090083	732.4289	0.144678	0.097049	1.490777
Cntnap1	ENSMUSG00000017167	2595.875	-0.06807	0.098668	-0.68991
Appl2	ENSMUSG00000020263	947.103	-0.09803	0.116939	-0.8383
Mpv17l2	ENSMUSG00000035559	693.1219	0.229807	0.105829	2.171497
Tmbim6	ENSMUSG00000023010	16034.96	0.022037	0.081474	0.270478
Reep6	ENSMUSG00000035504	2348.3	0.104834	0.057772	1.814628
Prob1	ENSMUSG00000073600	701.7945	0.160619	0.108508	1.480248
Nrgn	ENSMUSG00000053310	198.8261	0.103993	0.143401	0.725188
Gk	ENSMUSG00000025059	277.424	0.184539	0.116449	1.584716
Tbx15	ENSMUSG00000027868	986.7637	0.011926	0.125813	0.094793
Abi1	ENSMUSG00000058835	1966.575	0.013553	0.082748	0.163786
Htatsf1	ENSMUSG00000067873	2070.597	0.087238	0.063345	1.377198
Elovl4	ENSMUSG00000032262	864.1943	-0.04098	0.130172	-0.31483
Fam111a	ENSMUSG00000024691	4958.067	0.21077	0.078852	2.672967
Slc1a5	ENSMUSG00000001918	606.336	-0.15548	0.143943	-1.08017
Nipbl	ENSMUSG00000022141	1576.402	-0.01135	0.106968	-0.10609
Mapk8	ENSMUSG00000021936	1662.882	0.028762	0.094426	0.304596
Raf1	ENSMUSG00000000441	3017.907	0.120863	0.104752	1.153798
1700086L1	ENSMUSG00000071265	278.8322	0.00689	0.1171	0.058835
Plaa	ENSMUSG00000028577	2856.472	0.194425	0.07354	2.643802
Bmi1	ENSMUSG00000026739	2517.152	-0.07288	0.106321	-0.68549
Trmt44	ENSMUSG00000029097	248.7077	0.124909	0.087552	1.426678
Papd5	ENSMUSG00000036779	1225.242	0.015092	0.135985	0.110979
Fam183b	ENSMUSG00000049154	2607.587	0.088841	0.109248	0.8132
Pax2	ENSMUSG00000004231	319.8727	0.095684	0.144351	0.662854
Hnrnpd	ENSMUSG00000000568	6658.286	0.113406	0.074747	1.517195
Greb1l	ENSMUSG00000042942	792.3333	-0.1135	0.109159	-1.03979
Hdac11	ENSMUSG00000034245	915.2066	0.012362	0.137357	0.089996
Gm340	ENSMUSG00000090673	106.4027	0.202289	0.13803	1.465547
Slc35e3	ENSMUSG00000060181	785.4897	-0.06216	0.10485	-0.59287
Syncr1p	ENSMUSG00000032423	5001.643	0.102003	0.077749	1.311946
Dhx57	ENSMUSG00000035051	934.07	0.079719	0.08584	0.928692
Raly	ENSMUSG00000027593	6584.178	0.119142	0.06577	1.811509
Syng3	ENSMUSG00000007021	1691.816	0.114159	0.08467	1.348281
1700052K1	ENSMUSG00000099681	347.5717	-0.11338	0.14347	-0.7903
Itsn1	ENSMUSG00000022957	1643.335	0.146356	0.111672	1.310587
Trappc12	ENSMUSG00000020628	1645.581	-0.03394	0.072648	-0.46718
Polr2a	ENSMUSG00000005198	7781.054	-0.03879	0.09822	-0.39494
Mns1	ENSMUSG00000032221	3932.346	0.390584	0.111821	3.492958
Zgpat	ENSMUSG00000027582	1365.777	0.167969	0.064553	2.602035
Tgds	ENSMUSG00000022130	440.6586	-0.01889	0.090759	-0.20814
Pcyt2	ENSMUSG00000025137	3941.148	0.231636	0.124127	1.866123
Mms22l	ENSMUSG00000045751	1393.522	0.152513	0.073729	2.068555
Cdca8	ENSMUSG00000028873	3022.639	0.056987	0.072275	0.788476
1600014C1	ENSMUSG00000054676	1419.317	0.140788	0.065472	2.150341
Nemp1	ENSMUSG00000040195	672.4503	-0.12129	0.101822	-1.19125

A630072M	ENSMUSG000000101013	99.7053	0.106511	0.115281	0.923928
Ralbp1	ENSMUSG000000024096	2086.808	0.080176	0.07968	1.006222
Spata13	ENSMUSG000000021990	172.2648	0.070355	0.119273	0.58987
Rnf20	ENSMUSG000000028309	2227.607	-0.0165	0.101011	-0.16336
Tuba8	ENSMUSG000000030137	166.6979	0.182349	0.140214	1.300499
Otud4	ENSMUSG000000036990	2375.22	-0.00826	0.131964	-0.06262
Minpp1	ENSMUSG000000024896	1364.903	0.102464	0.063861	1.604477
Thoc5	ENSMUSG000000034274	1630.051	0.094543	0.087571	1.079615
Tspan3	ENSMUSG000000032324	8517.93	0.021589	0.066852	0.322939
Mtmr1	ENSMUSG000000015214	1243.071	0.026088	0.102262	0.255109
Slc8b1	ENSMUSG000000032754	194.7548	0.21521	0.138866	1.549769
Skap2	ENSMUSG000000059182	1488.051	0.215096	0.096245	2.234879
Ndufa9	ENSMUSG000000000399	3155.621	0.130632	0.096959	1.347297
Ccne1	ENSMUSG000000002068	1972.435	-0.03598	0.06846	-0.52557
Ap3b1	ENSMUSG000000021686	1962.747	-0.00396	0.071217	-0.05561
Lzts1	ENSMUSG000000036306	96.99789	0.115799	0.124775	0.928062
Atp6v1a	ENSMUSG000000052459	9508.059	0.158909	0.070081	2.267492
Zcchc17	ENSMUSG000000028772	777.511	0.058012	0.082355	0.70441
Zfp626	ENSMUSG000000030604	497.4335	0.004887	0.091087	0.053652
Szt2	ENSMUSG000000033253	1467.682	-0.03177	0.092938	-0.34188
Mt1	ENSMUSG000000031765	10813.57	-0.25973	0.137081	-1.89474
Dcun1d3	ENSMUSG000000048787	1259.525	0.159659	0.11447	1.394768
Sdk2	ENSMUSG000000041592	1402.537	0.183914	0.132369	1.389401
Eif4a1	ENSMUSG000000059796	16727.56	0.067345	0.090694	0.742554
Snrnp48	ENSMUSG000000021431	997.0005	0.148719	0.086918	1.711013
Trmt6	ENSMUSG000000037376	1833.568	1.12E-05	0.068788	0.000163
Pcdhb19	ENSMUSG000000043313	165.3085	0.139666	0.121517	1.149355
Atp1b3	ENSMUSG000000032412	6083.734	0.032371	0.13076	0.247557
Pex3	ENSMUSG000000019809	864.7507	0.041256	0.094317	0.437422
Lin37	ENSMUSG000000036845	705.4842	0.092284	0.113288	0.814596
Bcr	ENSMUSG000000009681	3631.231	0.082472	0.078712	1.047758
Brk1	ENSMUSG000000033940	3763.799	-0.00781	0.093665	-0.08338
Sap130	ENSMUSG000000024260	1616.677	0.020427	0.081129	0.251781
Pold4	ENSMUSG000000097508	366.9273	0.09295	0.129297	0.718892
Zfp174	ENSMUSG000000054939	163.5479	0.028231	0.119734	0.235783
Stxbp4	ENSMUSG000000020546	449.7807	0.117419	0.10111	1.161291
Stt3a	ENSMUSG000000032116	13070.54	0.002582	0.090362	0.028576
Txn2	ENSMUSG000000005354	3154.754	0.114514	0.098146	1.166767
Rps17	ENSMUSG000000061787	8830.003	0.131368	0.103564	1.268469
Cnst	ENSMUSG000000038949	1727.829	0.064134	0.069482	0.923031
Crhr1	ENSMUSG000000018634	2388.69	0.128211	0.136284	0.940764
Pstk	ENSMUSG000000063179	343.7997	0.095509	0.115385	0.827741
Tmem242	ENSMUSG000000004945	1651.619	0.08999	0.106242	0.847026
Psen1	ENSMUSG000000019969	2264.848	0.03931	0.063824	0.615915
Arfrp1	ENSMUSG000000038671	1205.913	0.02511	0.07402	0.339239
Pdcl	ENSMUSG000000009030	798.3473	0.131046	0.109594	1.195745
N4bp1	ENSMUSG000000031652	3197.536	0.129646	0.097263	1.332945
Dnlz	ENSMUSG000000075467	1250.173	0.132951	0.10927	1.216721
Fcf1	ENSMUSG000000021243	745.6397	0.146625	0.103796	1.412629
Fis1	ENSMUSG000000019054	3212.464	0.122535	0.124494	0.984262
Peg3	ENSMUSG000000002265	42751.87	0.074103	0.130411	0.568227
Bcl6b	ENSMUSG000000000317	736.6969	-0.02318	0.074081	-0.31285

Kcnk16	ENSMUSG00000023387	296.1533	0.124561	0.145544	0.855827
Tmem14c	ENSMUSG00000021361	2776.583	0.014808	0.093381	0.158575
Pus3	ENSMUSG00000032103	473.2627	0.044586	0.094495	0.471839
Shmt2	ENSMUSG00000025403	5080.195	0.057606	0.144569	0.39847
Abhd2	ENSMUSG00000039202	8390.109	0.072639	0.070414	1.031591
Etnk1	ENSMUSG00000030275	6624.975	0.14091	0.101077	1.39409
Reep2	ENSMUSG00000038555	3709.514	0.073418	0.087588	0.838217
Gemin6	ENSMUSG00000055760	1620.489	0.024742	0.094401	0.262094
Simc1	ENSMUSG00000043183	748.8985	-0.09701	0.094024	-1.03175
Cadps	ENSMUSG00000054423	3441.931	0.118862	0.075635	1.571526
Timm9	ENSMUSG00000021079	898.7743	0.162418	0.103536	1.568699
Exog	ENSMUSG00000042787	763.2845	0.124323	0.091699	1.355775
Fkbp4	ENSMUSG00000030357	8307.828	0.159243	0.057018	2.792866
Mrps24	ENSMUSG00000020477	904.4375	0.065809	0.10714	0.614232
Pbrm1	ENSMUSG00000042323	3274.969	0.000199	0.091583	0.002178
Gan	ENSMUSG00000052557	524.0316	0.111056	0.08185	1.356828
Tpp2	ENSMUSG00000041763	2455.182	0.06227	0.072438	0.859632
Txndc17	ENSMUSG00000020803	2356.327	0.159679	0.116393	1.3719
AU020206	ENSMUSG00000097415	339.6675	0.086932	0.128067	0.678803
Auts2	ENSMUSG00000029673	1649.354	0.048654	0.139843	0.347921
Sfxn4	ENSMUSG00000063698	170.87	0.07612	0.140905	0.540222
Tram2	ENSMUSG00000041779	94.88155	0.021114	0.129092	0.163561
Mrpl13	ENSMUSG00000022370	1604.419	0.142163	0.111629	1.273534
Cbx4	ENSMUSG00000039989	1578.996	-0.06463	0.10384	-0.62237
Phka1	ENSMUSG00000034055	1168.335	0.033014	0.088391	0.373501
Nrg1	ENSMUSG00000062991	316.3326	-0.12748	0.108758	-1.17215
Lgals3bp	ENSMUSG00000033880	5723.973	0.039644	0.110863	0.357592
Slc52a2	ENSMUSG00000022560	846.7293	0.179804	0.092526	1.943271
Ubr5	ENSMUSG00000037487	4569.464	0.020282	0.094787	0.213971
Prdx4	ENSMUSG00000025289	6898.237	-0.03921	0.096472	-0.40644
Spty2d1	ENSMUSG00000049516	1597.394	0.077877	0.10498	0.741822
Rpl14	ENSMUSG00000025794	15315.44	0.177113	0.102421	1.729268
Atf6b	ENSMUSG00000015461	3191.325	0.177854	0.065513	2.714802
Plpp1	ENSMUSG00000021759	1061.171	-0.06833	0.134443	-0.50826
Tmem238	ENSMUSG00000030431	500.4792	0.19647	0.130491	1.505623
Copg1	ENSMUSG00000030058	14320.27	0.151614	0.070041	2.164627
Trp53bp2	ENSMUSG00000026510	1048.653	0.117898	0.101976	1.156128
Polr2l	ENSMUSG00000038489	887.5364	0.140814	0.109444	1.28663
Ppie	ENSMUSG00000028651	273.1602	0.076472	0.142662	0.536038
Pdrg1	ENSMUSG00000027472	3387.277	0.268518	0.112586	2.385002
Tyms	ENSMUSG00000025747	4689.612	0.122726	0.0699	1.755733
Kat7	ENSMUSG00000038909	3496.897	0.02003	0.061371	0.326372
Cetn2	ENSMUSG00000031347	1546.266	0.122526	0.093551	1.309731
Apbb1	ENSMUSG00000037032	5984.85	0.279554	0.111475	2.507765
Usp50	ENSMUSG00000027364	785.131	0.237932	0.121084	1.965013
Gm37214	ENSMUSG000000104022	93.30239	0.35951	0.14575	2.466614
Pitpnb	ENSMUSG00000050017	4355.982	0.102888	0.059584	1.726767
Zcchc18	ENSMUSG00000031428	2578.299	0.19902	0.145822	1.364813
Tmem64	ENSMUSG00000043252	1762.65	0.051794	0.101849	0.508532
Rnf6	ENSMUSG00000029634	1898.365	0.008122	0.096101	0.084516
Bckdhb	ENSMUSG00000032263	645.4079	0.103213	0.123171	0.837964
Gm49342	ENSMUSG00000021871	2490.436	0.124232	0.080424	1.544715

Nckip5d	ENSMUSG00000032598	678.5346	0.063879	0.077211	0.827333
Slc35e1	ENSMUSG00000019731	6533.638	0.002555	0.118834	0.021497
Rps15	ENSMUSG00000063457	12795.38	0.108879	0.105874	1.028384
Fermt2	ENSMUSG00000037712	2042.757	0.056006	0.089684	0.624482
Oip5	ENSMUSG00000072980	686.5715	0.120489	0.09982	1.207063
Cep135	ENSMUSG00000036403	760.2499	-0.00596	0.106022	-0.05624
Ccdc127	ENSMUSG00000021578	2440.549	-0.00259	0.131648	-0.01964
Nsf	ENSMUSG00000034187	4849.998	0.165219	0.101564	1.626748
Lpin1	ENSMUSG00000020593	1066.59	0.146387	0.146002	1.002635
Nckip5d	ENSMUSG000000107055	678.5346	0.063879	0.077211	0.827333
Iapp	ENSMUSG00000041681	490026.2	-0.17694	0.068394	-2.58706
Vat1	ENSMUSG00000034993	1187.435	0.117624	0.131083	0.89732
Eps15	ENSMUSG00000028552	1917.33	0.066634	0.07837	0.850255
Cmtm4	ENSMUSG00000096188	6016.11	0.102317	0.100363	1.019465
Cpm	ENSMUSG00000020183	2750.411	-0.09552	0.096957	-0.98517
Tbk1	ENSMUSG00000020115	1288.716	-0.01	0.090302	-0.11079
Pola2	ENSMUSG00000024833	2620.19	0.222291	0.06837	3.251285
Inpp5a	ENSMUSG00000025477	1949.804	0.25473	0.068731	3.706167
Gm45486	ENSMUSG00000110240	94.34088	0.016746	0.125895	0.133016
Add1	ENSMUSG00000029106	3542.129	0.012943	0.101442	0.127588
Zw10	ENSMUSG00000032264	1816.534	0.080754	0.058996	1.368805
Sike1	ENSMUSG00000027854	988.125	0.036376	0.1208	0.301123
Eif1a	ENSMUSG00000057561	2093.256	0.125079	0.080804	1.547932
Traf3	ENSMUSG00000021277	1310.912	-0.01049	0.095855	-0.10945
Marveld3	ENSMUSG00000001672	506.1948	0.251585	0.083262	3.021598
Cachd1	ENSMUSG00000028532	37.22089	0.235709	0.144633	1.629708
Rai2	ENSMUSG00000043518	1214.939	-0.05145	0.141702	-0.36309
Rab6b	ENSMUSG00000032549	550.0995	-0.16733	0.135856	-1.2317
Bhlhb9	ENSMUSG00000072964	2388.619	0.196154	0.085673	2.289583
Ssr3	ENSMUSG00000027828	6609.277	-0.00364	0.095793	-0.03795
Lbr	ENSMUSG00000004880	2516.886	0.065604	0.095562	0.686509
Golph3	ENSMUSG00000022200	3787.326	0.012491	0.09641	0.12956
Ndc80	ENSMUSG00000024056	2358.288	0.082483	0.072781	1.133297
Eva1c	ENSMUSG00000039903	281.0829	0.130021	0.142347	0.913408
Slc25a38	ENSMUSG00000032519	482.6927	0.177921	0.091404	1.946533
Me1	ENSMUSG00000032418	5125.875	0.220793	0.074685	2.956338
Snapin	ENSMUSG00000001018	902.0673	-0.00856	0.086045	-0.0995
Tbc1d7	ENSMUSG00000021368	935.4265	-0.00416	0.125681	-0.03314
Akr1c19	ENSMUSG00000071551	2485.924	0.12198	0.13294	0.917556
Ythdc1	ENSMUSG00000035851	2235.985	0.091026	0.076488	1.190071
Nfatc3	ENSMUSG00000031902	2490.53	0.056342	0.114926	0.490245
Ppp1r13b	ENSMUSG00000021285	1496.556	0.080303	0.099826	0.804432
Lrfrn3	ENSMUSG00000036957	1288.982	0.07854	0.074735	1.050917
Cry2	ENSMUSG00000068742	1084.894	0.003796	0.090698	0.041852
Tnrc6a	ENSMUSG00000052707	2826.269	-0.12251	0.107471	-1.13992
Commd8	ENSMUSG00000029213	1233.637	0.082397	0.064381	1.279836
Ppp2r3c	ENSMUSG00000021022	1048.023	0.087306	0.07603	1.148312
Stau1	ENSMUSG00000039536	2188.851	-0.0055	0.075125	-0.07324
Prpf39	ENSMUSG00000035597	1604.102	0.008222	0.090587	0.090766
Brca1	ENSMUSG00000017146	1842.264	0.149614	0.097228	1.538795
Mcc	ENSMUSG00000071856	491.0836	0.021947	0.128275	0.171093
Cacng7	ENSMUSG00000096998	1274.931	-0.02838	0.075669	-0.37506

Psmc4	ENSMUSG00000030603	6274.846	0.139557	0.067699	2.06144
Pole2	ENSMUSG00000020974	765.4961	0.099205	0.070974	1.397752
Srxn1	ENSMUSG00000032802	2785.265	0.088579	0.099087	0.89396
Senp2	ENSMUSG00000022855	2071.036	0.036087	0.084193	0.428622
Tmco3	ENSMUSG00000038497	3897.512	0.069209	0.121141	0.57131
Pip4p1	ENSMUSG00000035953	2975.197	0.030394	0.105713	0.287509
Picalm	ENSMUSG00000039361	6157.655	0.106543	0.074433	1.431391
Manbal	ENSMUSG00000063019	816.9844	0.002701	0.093029	0.029032
Fuca1	ENSMUSG00000028673	2595.429	-0.00165	0.087622	-0.01888
Abcb9	ENSMUSG00000029408	991.7874	0.277417	0.127451	2.176654
Resp18	ENSMUSG00000033061	17113.99	-0.08377	0.107284	-0.78084
Ckap4	ENSMUSG00000046841	1625.102	0.058011	0.064689	0.896758
Nop2	ENSMUSG00000038279	1559.012	0.136322	0.078388	1.739064
Cog5	ENSMUSG00000035933	358.9852	0.094316	0.124796	0.755758
Hgs	ENSMUSG00000025793	2833.535	0.1044	0.050068	2.085139
AW209491	ENSMUSG00000039182	590.1194	0.027165	0.073778	0.368194
Pcdh19	ENSMUSG00000051323	508.2535	-0.00388	0.137801	-0.02816
Cc2d1a	ENSMUSG00000036686	2025.941	0.170975	0.068382	2.500302
Asb6	ENSMUSG00000039483	1121.077	0.005731	0.075731	0.075678
Hgfac	ENSMUSG00000029102	544.6958	0.06885	0.099197	0.694076
Hmgxb3	ENSMUSG00000024622	1497.259	0.052823	0.082196	0.642639
Ptdss1	ENSMUSG00000021518	2986.436	0.117432	0.068312	1.719049
Mfn1	ENSMUSG00000027668	1674.543	-0.10039	0.132545	-0.75741
Xpo7	ENSMUSG00000022100	2932.733	0.082979	0.08199	1.012055
Srsf4	ENSMUSG00000028911	3956.003	0.035288	0.063395	0.556638
Rere	ENSMUSG00000039852	7360.635	0.013096	0.122902	0.106557
Pfdn1	ENSMUSG00000024346	2252.647	0.092927	0.119199	0.779598
Zfp583	ENSMUSG00000030443	104.7506	0.14081	0.130968	1.075144
Nrarp	ENSMUSG00000078202	436.162	-0.09281	0.086156	-1.07723
AI464131	ENSMUSG00000046312	228.7835	0.178854	0.097956	1.825857
Vps13c	ENSMUSG00000035284	1095.48	-0.05205	0.103461	-0.50307
Isoc1	ENSMUSG00000024601	2953.312	-0.06149	0.087471	-0.703
Utp15	ENSMUSG00000041747	1060.536	0.003009	0.090164	0.033377
Mmachc	ENSMUSG00000028690	726.0762	0.063546	0.077485	0.820112
Recql4	ENSMUSG00000033762	882.9635	0.104218	0.11766	0.885759
Toe1	ENSMUSG00000028688	1004.884	-0.02908	0.074553	-0.39002
Mzt1	ENSMUSG00000033186	2106.959	0.08758	0.089805	0.975224
Zfp800	ENSMUSG00000039841	448.5757	-0.10635	0.14344	-0.74144
Uhrf2	ENSMUSG00000024817	1487.725	0.046566	0.099049	0.470128
Ppil1	ENSMUSG00000024007	2429.99	0.124745	0.07597	1.642022
Nup160	ENSMUSG00000051329	1462.588	0.025077	0.07034	0.356508
Ogfod3	ENSMUSG00000025169	1402.635	0.105969	0.103169	1.027139
Pcdha5	ENSMUSG000000103092	197.1236	0.135645	0.119542	1.134701
Phkb	ENSMUSG00000036879	1286.111	0.149002	0.108115	1.378181
Cbx3	ENSMUSG00000029836	6533.574	0.05718	0.054168	1.055601
Mff	ENSMUSG00000026150	3369.204	-0.01362	0.06428	-0.21192
Fam207a	ENSMUSG00000032977	1899.99	0.136271	0.086179	1.581251
Gas5	ENSMUSG00000053332	2338.599	0.121762	0.103992	1.170878
Cacng7	ENSMUSG00000069806	1274.931	-0.02838	0.075669	-0.37506
Lrrfip2	ENSMUSG00000032497	1860.972	-0.00806	0.090158	-0.08939
Thop1	ENSMUSG00000004929	2008.923	0.109527	0.075805	1.444863
Taldo1	ENSMUSG00000025503	5297.508	0.183841	0.094637	1.942582

Pold4	ENSMUSG00000024854	366.9273	0.09295	0.129297	0.718892
Ubac2	ENSMUSG00000041765	807.0343	-0.02046	0.089233	-0.22933
Csnk1g3	ENSMUSG00000073563	1485.021	-0.04163	0.067447	-0.61724
Polr2i	ENSMUSG00000019738	768.3483	0.126965	0.10687	1.188039
Zfp938	ENSMUSG00000062931	612.5139	0.03402	0.074665	0.455642
Zc3h3	ENSMUSG00000075600	2325.936	0.025026	0.102745	0.243578
Pls1	ENSMUSG00000049493	999.9749	-0.04074	0.086472	-0.47108
Cdkn2c	ENSMUSG00000028551	13124.95	-0.02745	0.118226	-0.23222
Ywhaq	ENSMUSG00000076432	18961.41	0.019843	0.089278	0.222261
9530077C	ENSMUSG00000036411	648.516	0.146895	0.09008	1.630721
1700023FC	ENSMUSG00000020940	316.6812	0.045805	0.131478	0.348388
Raver1	ENSMUSG00000010205	6148.179	0.01802	0.06937	0.259761
Map4k3	ENSMUSG00000024242	1066.02	-0.02329	0.10139	-0.22969
Gm14326	ENSMUSG00000078862	207.285	0.100618	0.126088	0.797994
Cd99l2	ENSMUSG00000035776	1522.779	0.237554	0.073839	3.217175
Tex10	ENSMUSG00000028345	975.3802	0.009528	0.084884	0.112245
Zdhhc5	ENSMUSG00000034075	3394.727	-0.05236	0.066631	-0.78582
Ebp	ENSMUSG00000031168	2311.554	0.07246	0.088574	0.818072
Mt2	ENSMUSG00000031762	5482.06	-0.32229	0.13779	-2.33902
Ccdc14	ENSMUSG00000022833	512.2791	0.049356	0.091163	0.541399
Erp44	ENSMUSG00000028343	3579.134	0.0446	0.118221	0.377263
Arxes1	ENSMUSG00000048355	432.8388	0.051267	0.110432	0.464236
Mpp7	ENSMUSG00000057440	1163.238	0.085018	0.097029	0.876213
Nupl1	ENSMUSG00000063895	1146.473	-0.0525	0.125321	-0.41893
Gins1	ENSMUSG00000027454	317.3945	0.197817	0.099831	1.981518
Hmgcl	ENSMUSG00000028672	925.2403	0.25772	0.085864	3.001512
Nars	ENSMUSG00000024587	6796.573	0.091335	0.13772	0.663197
Uros	ENSMUSG00000030979	922.2788	-0.02901	0.084375	-0.34388
Yars2	ENSMUSG00000022792	602.8421	0.068969	0.093487	0.73773
Ddx56	ENSMUSG00000004393	1475.25	0.097951	0.084629	1.157405
Ndufb10	ENSMUSG00000040048	3669.399	0.121535	0.105177	1.155527
Mtfr1	ENSMUSG00000027601	2007.148	0.238657	0.087824	2.717437
Atf2	ENSMUSG00000027104	2363.705	0.038355	0.071044	0.539878
Fam32a	ENSMUSG00000003039	3062.441	0.002974	0.09529	0.031215
Dmap1	ENSMUSG00000009640	858.0681	0.136465	0.110816	1.231447
Abhd17c	ENSMUSG00000038459	909.3819	-0.00938	0.078355	-0.11977
Lamtor1	ENSMUSG00000030842	3318.636	0.049559	0.097814	0.506669
BC031181	ENSMUSG00000036299	3770.726	0.135711	0.086422	1.570334
Idi1	ENSMUSG00000058258	2932.518	0.255428	0.105379	2.423903
Pacsin2	ENSMUSG00000016664	2008.413	0.230373	0.062267	3.699789
Rn7sk	ENSMUSG00000065037	254.0748	-0.05098	0.096552	-0.52805
Dhdds	ENSMUSG00000012117	3371.505	0.062754	0.073197	0.857333
Syt9	ENSMUSG00000062542	1254.125	-0.00024	0.09606	-0.00252
Slirp	ENSMUSG00000021040	1119.494	0.023422	0.117036	0.20013
Armt1	ENSMUSG00000061759	741.7885	0.074052	0.11932	0.620618
Thoc2	ENSMUSG00000037475	1390.482	-0.02417	0.117795	-0.20515
Tpcn2	ENSMUSG00000048677	291.7226	0.075239	0.121393	0.619799
Fkbp11	ENSMUSG00000003355	1149.082	0.019547	0.143635	0.136085
Tmub1	ENSMUSG00000028958	581.9	0.250275	0.106581	2.348226
Trpa1	ENSMUSG00000032769	92.75447	0.144472	0.146005	0.989499
Syt13	ENSMUSG00000027220	38862.31	0.178662	0.085865	2.080728
Agk	ENSMUSG00000029916	543.8758	-0.03638	0.099268	-0.36652

Rpf2	ENSMUSG00000038510	871.3039	0.092835	0.078226	1.186745
Mfsd10	ENSMUSG00000001082	1502.162	-0.08468	0.086019	-0.98446
2210408I2	ENSMUSG000000071252	140.7093	0.132615	0.128532	1.031766
Them4	ENSMUSG000000028145	306.0528	0.073068	0.101361	0.72087
Tigd5	ENSMUSG000000103906	145.4401	0.018272	0.114051	0.160206
Mok	ENSMUSG000000056458	149.2681	0.230083	0.113837	2.021172
Ubald1	ENSMUSG000000039568	1609.703	0.009043	0.096727	0.093491
Creb1	ENSMUSG000000025958	1772.758	-0.00239	0.102066	-0.02346
Oma1	ENSMUSG000000035069	345.4348	0.077795	0.122733	0.63386
Inip	ENSMUSG000000038544	882.71	0.041082	0.076684	0.535733
Pfn2	ENSMUSG000000027805	1199.138	0.148461	0.116501	1.274336
Prpsap1	ENSMUSG000000015869	1999.184	0.152708	0.070207	2.175125
Lrrc59	ENSMUSG000000020869	9341.198	0.134895	0.08339	1.617646
Ssr1	ENSMUSG000000021427	13776.51	0.095781	0.075572	1.267405
9530082P2	ENSMUSG000000097006	971.351	0.010273	0.104635	0.09818
Acp1	ENSMUSG000000044573	3452.322	0.05608	0.078838	0.711328
Fpgt	ENSMUSG000000053870	836.4369	-0.04159	0.100586	-0.41346
Rbm3	ENSMUSG000000031167	7547.179	0.012395	0.138464	0.08952
Trappc9	ENSMUSG000000047921	1913.833	0.053413	0.085749	0.622895
Foxm1	ENSMUSG000000001517	3739.222	-0.02277	0.110534	-0.20603
Kif23	ENSMUSG000000032254	1912.264	-0.01707	0.064658	-0.26395
Paip2	ENSMUSG000000037058	4947.81	0.034106	0.092768	0.367652
Ociad1	ENSMUSG000000029152	6502.789	0.093883	0.084045	1.117055
Tubb6	ENSMUSG000000001473	2002.65	-0.11573	0.078145	-1.48098
Cdk7	ENSMUSG000000069089	864.6965	0.005887	0.070746	0.083209
Dhx29	ENSMUSG000000042426	1017.924	0.202424	0.084027	2.409039
Spc25	ENSMUSG000000005233	30599.63	0.058304	0.104808	0.556291
Ndufa2	ENSMUSG000000014294	2543.05	0.119703	0.121969	0.981427
Gm16185	ENSMUSG000000084911	88.05098	0.139944	0.137229	1.019778
B3galt1	ENSMUSG000000034780	378.9893	-0.04537	0.122034	-0.37178
Tm9sf3	ENSMUSG000000025016	9437.843	0.057016	0.081648	0.698315
Spdl1	ENSMUSG000000069910	886.9054	0.043387	0.078173	0.55501
Per2	ENSMUSG000000055866	1548.759	-0.07462	0.083377	-0.89495
Pin1	ENSMUSG000000032171	3442.131	0.16581	0.085303	1.943781
Vars	ENSMUSG000000007029	6057.322	0.084051	0.096443	0.871512
Sgsm2	ENSMUSG000000038351	1447.114	0.196645	0.111746	1.75975
Nipsnap1	ENSMUSG000000034285	1041.971	0.064616	0.130742	0.494223
Lss	ENSMUSG000000033105	2216.342	0.211262	0.134101	1.575393
Mrpl32	ENSMUSG000000015672	829.3216	0.094829	0.100994	0.938948
Bckdk	ENSMUSG000000030802	3259.284	-0.01964	0.090189	-0.21779
Sh3kbp1	ENSMUSG000000040990	2916.044	0.139901	0.137576	1.016899
Mipep	ENSMUSG000000021993	633.3087	0.10204	0.10027	1.017657
Iars	ENSMUSG000000037851	4042.572	0.177424	0.141115	1.257298
Abhd10	ENSMUSG000000033157	1164.951	0.055769	0.084256	0.661908
Rheb	ENSMUSG000000028945	3400.4	0.025369	0.076587	0.331244
Pitpnm1	ENSMUSG000000097096	1484.128	0.139023	0.099339	1.399469
Slc25a25	ENSMUSG000000026819	1873.168	0.109288	0.115694	0.944632
Polr1a	ENSMUSG000000049553	1193.768	0.250423	0.087614	2.858251
Cby1	ENSMUSG000000022428	1009.102	0.118107	0.119839	0.985552
Rad50	ENSMUSG000000020380	1139.575	0.064668	0.104647	0.61796
Dctn2	ENSMUSG000000025410	6041.917	0.077993	0.076003	1.026183
Wdr48	ENSMUSG000000032512	1702.454	-0.02753	0.082157	-0.33514

Rlf	ENSMUSG00000049878	1044.188	-0.037	0.138735	-0.26667
Gemin7	ENSMUSG00000044709	972.94	0.111923	0.096686	1.157595
Snx16	ENSMUSG00000027534	449.3615	0.067163	0.117699	0.570631
Bloc1s4	ENSMUSG00000060708	229.523	0.159517	0.126257	1.263432
Phactr4	ENSMUSG00000066043	1467.287	-0.00849	0.100541	-0.0844
1110059G	ENSMUSG00000032551	414.4027	0.004263	0.107582	0.039621
Psme1	ENSMUSG00000022216	2172.439	0.164066	0.132718	1.236203
Specc1l	ENSMUSG00000033444	4581.937	0.127426	0.122479	1.040394
Tmem63c	ENSMUSG00000034145	475.8658	0.142488	0.083077	1.715136
Klf8	ENSMUSG00000041649	115.8898	-0.05965	0.13151	-0.4536
Nqo2	ENSMUSG00000046949	800.1318	-0.02267	0.086379	-0.26242
Rsl1d1	ENSMUSG00000005846	2617.402	0.046782	0.071684	0.652617
Kcnp1	ENSMUSG00000053519	1284.674	-0.08763	0.137087	-0.63924
Gm10053	ENSMUSG00000058927	5652.782	0.122932	0.086465	1.421748
Ece2	ENSMUSG00000022842	3589.98	0.212859	0.082332	2.585371
Med29	ENSMUSG00000003444	1050.418	0.120775	0.102308	1.180502
Aes	ENSMUSG00000054452	18691.23	0.113239	0.085631	1.322397
Dhcr24	ENSMUSG00000034926	2689.742	0.180227	0.09418	1.913653
Ttbk2	ENSMUSG00000090100	1044.229	0.050227	0.087186	0.576095
Sdc3	ENSMUSG00000025743	3434.101	-0.15893	0.138065	-1.15116
Amot	ENSMUSG00000041688	164.5364	0.082955	0.124708	0.66519
Actb	ENSMUSG00000029580	23518.83	0.033281	0.089413	0.372223
Mageh1	ENSMUSG00000047238	2452.877	0.020064	0.054864	0.36571
Pcdh9	ENSMUSG00000055421	151.7172	0.113875	0.14064	0.809687
Ino80b	ENSMUSG00000030034	392.2325	0.139573	0.100874	1.383637
Osgp	ENSMUSG00000006289	1305.088	0.053899	0.112965	0.477132
Atxn10	ENSMUSG00000016541	5851.289	0.189505	0.121644	1.557872
Herpud2	ENSMUSG00000008429	1268.45	0.069434	0.077254	0.898771
Sec31a	ENSMUSG00000035325	11120.12	0.132507	0.058089	2.281113
Ctsa	ENSMUSG00000017760	7628.476	-0.05462	0.089202	-0.61232
9330159F1	ENSMUSG00000004360	574.2602	0.05442	0.096448	0.564248
Ppp1cc	ENSMUSG00000004455	13498.67	0.164054	0.085029	1.92938
Nat10	ENSMUSG00000027185	988.0537	-0.09099	0.102319	-0.88925
Pigq	ENSMUSG00000025728	4398.318	0.027374	0.068462	0.399842
Uqcrh	ENSMUSG00000063882	5789.871	0.200832	0.10569	1.900206
Tmem198l	ENSMUSG00000047090	228.5755	0.149806	0.10839	1.38211
Tmem101	ENSMUSG00000020921	772.5498	0.147781	0.096548	1.53064
Dhx30	ENSMUSG00000032480	3160.71	0.148683	0.122981	1.208997
Traf2	ENSMUSG00000026942	1398.922	0.166442	0.070557	2.358981
Polr1c	ENSMUSG00000067148	1504.622	0.17979	0.100441	1.790002
Srp72	ENSMUSG00000036323	5678.645	0.070382	0.074324	0.946956
Cdca5	ENSMUSG00000024791	1207.107	0.090644	0.075116	1.206724
Hist1h2be	ENSMUSG00000047246	77.19498	-0.11733	0.145898	-0.80421
Nsun6	ENSMUSG00000026707	175.433	-0.00559	0.121288	-0.04613
Wdr61	ENSMUSG00000061559	1619.206	0.003522	0.077924	0.045204
Sorbs2os	ENSMUSG00000085440	42.4661	-0.0466	0.145318	-0.32067
Sall2	ENSMUSG00000049532	357.3631	-0.16557	0.137961	-1.20014
Gpr107	ENSMUSG00000000194	1953.504	0.164461	0.067702	2.429177
Irgm1	ENSMUSG00000046879	641.9381	0.134378	0.137844	0.974856
Sdhb	ENSMUSG00000009863	3927.744	0.197879	0.096353	2.053695
Pigh	ENSMUSG00000021120	1092.396	0.014591	0.100989	0.144477
Cltc	ENSMUSG00000047126	14579.6	0.026415	0.077196	0.342188

Ccdc28b	ENSMUSG00000028795	447.2179	0.216065	0.139552	1.548281
Chrn4	ENSMUSG00000035200	962.3035	0.162556	0.145635	1.116185
Elob	ENSMUSG00000055839	5287.939	0.125268	0.113841	1.100379
Lman1	ENSMUSG00000041891	6620.65	0.001597	0.108737	0.014687
Myliip	ENSMUSG00000038175	789.2151	-0.09896	0.084005	-1.17804
Sema4f	ENSMUSG00000000627	412.1933	0.19415	0.095713	2.028465
Smim7	ENSMUSG00000044600	4578.747	-0.0016	0.075719	-0.02111
Pitpnm1	ENSMUSG00000024851	1484.128	0.139023	0.099339	1.399469
Ncapd2	ENSMUSG00000038252	8462.731	0.041244	0.084407	0.488634
Syt2	ENSMUSG00000026452	1548.635	-0.01784	0.079254	-0.2251
Atp5a1	ENSMUSG00000025428	32800.75	0.228581	0.059116	3.866662
Apip	ENSMUSG00000010911	678.2942	0.082686	0.121393	0.681148
Tut7	ENSMUSG00000035248	1939.119	0.073469	0.074019	0.992568
Eif4enif1	ENSMUSG00000020454	2196.79	0.075844	0.096651	0.78472
Abca3	ENSMUSG00000024130	3321.821	0.057398	0.106875	0.537062
Lrrc15	ENSMUSG00000052316	231.9653	0.184443	0.108772	1.69569
Dbn2	ENSMUSG00000017734	338.8614	0.043137	0.119085	0.362235
Rnf169	ENSMUSG00000058761	570.8389	0.080382	0.106002	0.758313
Cln3	ENSMUSG00000030720	866.1183	8.04E-05	0.13123	0.000613
Isyna1	ENSMUSG00000019139	3544.345	0.070526	0.099379	0.70967
Tmem185k	ENSMUSG00000098923	746.3391	0.074139	0.067253	1.1024
Prmt6	ENSMUSG00000049300	690.5461	0.100388	0.105276	0.95357
Aunip	ENSMUSG00000078521	322.6753	0.151029	0.114983	1.313494
Lrfrn1	ENSMUSG00000030600	436.6376	0.006588	0.10629	0.061982
Sdha	ENSMUSG00000021577	8299.326	0.186841	0.050047	3.73334
Rps6ka6	ENSMUSG00000025665	1323.886	0.259781	0.111157	2.337059
Nptxr	ENSMUSG00000022421	5300.312	0.048451	0.060882	0.795819
Ankle2	ENSMUSG00000029501	1406.972	-0.02918	0.109474	-0.26651
Tmem177	ENSMUSG00000036975	427.6311	0.0766	0.089928	0.851796
Aar2	ENSMUSG00000027628	1057.032	-0.00123	0.085237	-0.01446
Fam135a	ENSMUSG00000026153	5590.361	-0.00768	0.079263	-0.09687
Foxa3	ENSMUSG00000040891	345.118	0.185013	0.086983	2.127
Gprasp2	ENSMUSG00000072966	499.1523	0.298965	0.111783	2.674505
Brip1	ENSMUSG00000034329	701.3047	0.203434	0.092005	2.211118
Slf1	ENSMUSG00000021597	1046.863	0.012075	0.096711	0.124858
Cct7	ENSMUSG00000030007	10894.22	0.124403	0.079504	1.564729
C630043F	ENSMUSG00000084910	182.1307	0.06636	0.101189	0.655796
Cobll1	ENSMUSG00000034903	1411.512	0.087994	0.112115	0.78486
Socs4	ENSMUSG00000048379	1033.501	0.019619	0.104704	0.187371
Fam57b	ENSMUSG00000058966	1264.365	0.150428	0.109049	1.379454
Rsph1	ENSMUSG00000024033	251.888	0.090289	0.134886	0.669373
Snx17	ENSMUSG00000029146	3222.981	0.067122	0.057282	1.171781
Ppp2r1a	ENSMUSG00000007564	10913.04	0.141238	0.100423	1.40643
Cnrip1	ENSMUSG00000044629	1316.519	0.088547	0.065498	1.35192
Nudc	ENSMUSG00000028851	6490.042	0.158668	0.083985	1.889238
Tmem246	ENSMUSG00000039611	1387.41	0.120166	0.108761	1.104863
Lrrc8b	ENSMUSG00000070639	700.1296	-0.13539	0.116157	-1.16557
2610318N	ENSMUSG00000049916	278.4498	0.059007	0.117404	0.5026
Eral1	ENSMUSG00000020832	649.4784	0.118724	0.082429	1.44031
Dnajb11	ENSMUSG00000004460	5123.991	0.044275	0.076361	0.579812
Btrc	ENSMUSG00000025217	1470.301	0.205422	0.139829	1.469094
Trim36	ENSMUSG00000033949	164.1815	0.082972	0.111715	0.742717

Zfp729a	ENSMUSG00000021510	423.0993	0.088574	0.105621	0.838599
Senp5	ENSMUSG00000022772	710.2883	0.055679	0.133125	0.418247
Cep83	ENSMUSG00000020024	1160.788	0.020384	0.066136	0.308217
Exosc8	ENSMUSG00000027752	1235.684	0.154084	0.07597	2.028235
Vma21	ENSMUSG00000073131	4935.379	0.087006	0.112049	0.7765
Slc3a2	ENSMUSG00000010095	8441.604	0.092238	0.082374	1.119752
Gpm6b	ENSMUSG00000031342	181.9724	0.29174	0.145477	2.005407
Slc25a4	ENSMUSG00000031633	17299.16	0.130778	0.077581	1.685706
Stard8	ENSMUSG00000031216	126.222	0.133563	0.144122	0.926735
Tcerg1	ENSMUSG00000024498	2330.487	0.06573	0.089305	0.736012
Cxxc4	ENSMUSG00000044365	3724.079	-0.15055	0.126029	-1.19458
Upf2	ENSMUSG00000043241	1002.634	0.148092	0.064616	2.291897
Thap2	ENSMUSG00000020137	486.8768	0.00959	0.104178	0.09205
Pmvk	ENSMUSG00000027952	2043.984	0.25524	0.076058	3.355873
Ogdh	ENSMUSG00000020456	8473.505	0.142566	0.084359	1.689987
Psma6	ENSMUSG00000021024	4102.24	0.113046	0.109142	1.035771
Nqo1	ENSMUSG00000003849	3286.66	0.061988	0.069414	0.893019
Cotl1	ENSMUSG00000031827	2533.467	0.097017	0.097609	0.993939
Ino80d	ENSMUSG00000040865	1191.407	0.049531	0.09914	0.49961
Pdcd6ip	ENSMUSG00000032504	6422.565	0.098956	0.084694	1.168396
Itm2b	ENSMUSG00000022108	9621.83	-0.09044	0.121198	-0.74618
Bcl9l	ENSMUSG00000063382	386.9019	-0.03264	0.119403	-0.27336
1810009A	ENSMUSG00000071653	767.5423	0.091069	0.112059	0.812693
Aven	ENSMUSG00000003604	510.8229	0.19524	0.088208	2.2134
Sumf2	ENSMUSG00000025538	565.3198	0.40188	0.130661	3.07575
Mrps6	ENSMUSG00000039680	672.5267	0.206587	0.134407	1.537019
Prpf6	ENSMUSG00000002455	2882.124	0.104614	0.058477	1.788972
C1ql3	ENSMUSG00000049630	193.9673	0.082374	0.127277	0.647205
Actn1	ENSMUSG00000015143	2447.506	0.003007	0.103932	0.02893
Wdr43	ENSMUSG00000041057	1436.298	0.08055	0.062901	1.280575
G3bp1	ENSMUSG00000018583	8144.507	0.148076	0.051446	2.878247
Zfp568	ENSMUSG00000074221	2417.359	-0.02763	0.091337	-0.30247
Rtraf	ENSMUSG00000021807	3531.485	0.06271	0.093306	0.672094
Gm16536	ENSMUSG00000089810	610.1066	-0.07257	0.090899	-0.79831
Trio	ENSMUSG00000022263	2257.044	0.02001	0.132452	0.151075
Coa3	ENSMUSG00000017188	3322.987	0.039162	0.101529	0.385717
Pgm2l1	ENSMUSG00000030729	784.1276	-0.20211	0.127569	-1.58431
2410002F2	ENSMUSG00000045411	2660.852	0.019727	0.102353	0.192734
Cdk16	ENSMUSG00000031065	7290.469	0.039125	0.058978	0.663387
Gm4459	ENSMUSG00000083626	286.9602	0.083198	0.129679	0.641567
Pdzd8	ENSMUSG00000074746	3145.45	0.020555	0.08075	0.254546
Arxes2	ENSMUSG00000048040	1195.543	0.145612	0.08996	1.618631
Sema3a	ENSMUSG00000028883	360.7714	0.045865	0.133826	0.342725
Brox	ENSMUSG00000046836	3538.177	-0.00153	0.075636	-0.02017
Kank2	ENSMUSG00000032194	98.14759	0.013651	0.134004	0.101871
Sucla2	ENSMUSG00000022110	2803.736	0.096868	0.069527	1.393246
Zfp512	ENSMUSG00000062761	1335.895	0.042793	0.104825	0.408228
B4gat1	ENSMUSG00000047379	1353.77	0.142415	0.117003	1.217183
Pelp1	ENSMUSG00000018921	2099.724	0.135726	0.065948	2.058081
Pde4a	ENSMUSG00000032177	269.8507	0.095869	0.116013	0.826364
Rpl32	ENSMUSG00000057841	8996.012	0.121388	0.115371	1.052151
Gm27033	ENSMUSG00000098053	1827.814	-0.10506	0.106341	-0.9879

Slc26a2	ENSMUSG00000034320	1498.666	0.101997	0.119699	0.85211
Ap1m2	ENSMUSG00000003309	1741.528	0.091579	0.088884	1.030315
Actr2	ENSMUSG00000020152	3886.671	0.087978	0.07024	1.252529
Ap4s1	ENSMUSG00000020955	520.7875	0.116787	0.127099	0.918868
Elavl3	ENSMUSG00000003410	4057.211	-0.01434	0.105146	-0.13636
Sufu	ENSMUSG00000025231	505.9337	-0.04091	0.08684	-0.47107
Rims3	ENSMUSG00000032890	992.7898	0.007246	0.116281	0.062316
Cfap97	ENSMUSG00000031631	1249.288	0.039318	0.09902	0.397076
Trrap	ENSMUSG00000045482	2869.639	-0.07417	0.079649	-0.93115
Got1	ENSMUSG00000025190	3680.72	0.096185	0.139031	0.691828
Wasf2	ENSMUSG00000028868	1430.655	0.071014	0.072603	0.978111
Scap	ENSMUSG00000032485	3069.744	-0.00312	0.056479	-0.05516
Serpini1	ENSMUSG00000027834	2597.496	-0.04326	0.118312	-0.36564
Ranbp6	ENSMUSG00000074909	1069.11	0.149284	0.083245	1.793308
Agbl4	ENSMUSG000000061298	159.7975	0.154373	0.144619	1.067447
Lpcat3	ENSMUSG00000004270	2806.732	0.187079	0.101501	1.843126
Afap1	ENSMUSG00000029094	821.896	0.057834	0.132654	0.435974
Eif3m	ENSMUSG00000027170	4317.493	0.066916	0.08587	0.779265
Hivep3	ENSMUSG00000028634	548.4583	0.134615	0.135979	0.989965
Susd4	ENSMUSG00000038576	863.6867	-0.03512	0.114993	-0.30543
Elk4	ENSMUSG00000026436	760.9272	-0.00153	0.129056	-0.01186
Tapt1	ENSMUSG00000046985	2049.741	0.050745	0.093984	0.539935
Gpx4	ENSMUSG00000075706	6714.926	-0.01938	0.10793	-0.17959
Tmem181a	ENSMUSG00000038141	4426.102	-0.0923	0.049245	-1.87424
Dnajc15	ENSMUSG00000022013	1060.688	0.209576	0.102998	2.034744
Gm7536	ENSMUSG00000057036	7963.332	0.142891	0.106372	1.34332
G6pdx	ENSMUSG00000031400	2298.877	0.073872	0.065331	1.130738
Ifnar1	ENSMUSG00000022967	1764.933	0.009039	0.068847	0.131293
Med26	ENSMUSG00000045248	615.4653	0.068871	0.111575	0.617262
Plekhd1	ENSMUSG00000066438	128.9596	0.072196	0.108726	0.664013
Camta1	ENSMUSG00000014592	2322.833	0.065809	0.084315	0.780512
Anxa7	ENSMUSG00000021814	1982.169	0.140449	0.074734	1.87933
C1qbp	ENSMUSG00000018446	1704.841	0.144888	0.100459	1.44226
Sgk3	ENSMUSG00000025915	1103.264	0.196643	0.142708	1.377944
Kars	ENSMUSG00000031948	5316.914	0.109165	0.071796	1.520474
Cox7c	ENSMUSG00000017778	4599.712	0.080475	0.107172	0.750903
Zfp973	ENSMUSG00000078879	135.5716	0.109277	0.120166	0.909389
Aff4	ENSMUSG00000049470	4880.064	-0.08874	0.116762	-0.76004
4930453N	ENSMUSG00000059920	1781.763	0.121361	0.113405	1.070161
Pknox1	ENSMUSG00000006705	1437.399	-0.14382	0.098106	-1.46593
Tenm4	ENSMUSG00000048078	2491.219	-0.06915	0.118042	-0.58578
Lgr4	ENSMUSG00000050199	477.3733	-0.041	0.077572	-0.52855
Ap3b2	ENSMUSG00000062444	4756.857	0.065091	0.106341	0.612095
Tmem263	ENSMUSG00000060935	2197.398	0.134732	0.075232	1.790896
Cmb1	ENSMUSG00000022235	552.8076	0.136457	0.145948	0.934966
Irgq	ENSMUSG00000041037	1546.674	0.057077	0.08301	0.687597
Stk10	ENSMUSG00000020272	437.2029	0.094072	0.114378	0.822458
Prelid3a	ENSMUSG00000024530	352.0379	0.03206	0.08745	0.366617
Rmc1	ENSMUSG00000024410	1021.497	0.175515	0.082524	2.126838
Med17	ENSMUSG00000031935	790.2048	0.032531	0.109518	0.29704
Pms1	ENSMUSG00000026098	314.6294	0.123204	0.094468	1.304194
BC037032	ENSMUSG00000087221	74.65877	0.015607	0.143163	0.109019

Snx18	ENSMUSG00000042364	983.0317	0.027406	0.121012	0.226472
Noct	ENSMUSG00000023087	45612.8	0.08968	0.097123	0.923358
Srek1	ENSMUSG00000032621	2678.476	-0.03419	0.103775	-0.32946
Vcp	ENSMUSG00000028452	19725.71	0.185265	0.072326	2.561523
Gpatch4	ENSMUSG00000028069	525.0753	0.113172	0.085629	1.321646
Mapk1ip1	ENSMUSG00000041775	1156.165	0.021019	0.079872	0.263164
Ssb	ENSMUSG00000068882	5128.562	0.070146	0.062566	1.121148
Prdx5	ENSMUSG00000024953	3534.365	0.225392	0.112932	1.995819
Arv1	ENSMUSG00000031982	186.484	0.113836	0.108927	1.045065
Timm10	ENSMUSG00000027076	447.5828	0.070898	0.111787	0.634228
Gpr162	ENSMUSG00000038390	365.7764	0.073341	0.127786	0.573939
Tmc7	ENSMUSG00000042246	1012.166	-0.05711	0.093256	-0.61242
Rock2	ENSMUSG00000020580	2838.676	0.023266	0.09644	0.241251
Eli	ENSMUSG00000070002	1005.084	0.124836	0.083755	1.490488
Snx2	ENSMUSG00000034484	2792.477	0.078191	0.065178	1.199648
Foxp1	ENSMUSG00000030067	1027.88	0.082197	0.122599	0.670449
Ect2	ENSMUSG00000027699	2762.148	-0.01869	0.110983	-0.16844
Emc9	ENSMUSG00000022217	335.7739	0.078911	0.115003	0.686166
Grpel1	ENSMUSG00000029198	2245.955	0.111869	0.091759	1.219158
Gm14403	ENSMUSG00000094786	66.3385	0.097136	0.143673	0.676087
Gim1	ENSMUSG00000040006	2546.777	0.22252	0.081859	2.718327
Gm3667	ENSMUSG00000090691	264.7298	0.181435	0.14585	1.243984
Ncdn	ENSMUSG00000028833	3430.458	0.119455	0.10231	1.167581
Lsm5	ENSMUSG00000091625	630.6971	0.123146	0.104722	1.175931
Cdc34	ENSMUSG00000020307	2027.269	0.143636	0.09565	1.50169
Bcl2l1	ENSMUSG00000007659	1727.284	0.079266	0.098261	0.806681
Schip1	ENSMUSG00000027777	753.4739	0.167125	0.09945	1.680503
Ap3d1	ENSMUSG00000020198	6939.87	0.133041	0.088838	1.497573
Eme1	ENSMUSG00000039055	448.3273	0.041604	0.082204	0.506109
Slc35c2	ENSMUSG00000017664	2269.562	0.012853	0.095341	0.134807
Rnps1	ENSMUSG00000034681	5546.498	0.052177	0.058169	0.896993
Ccm2	ENSMUSG00000000378	1849.199	0.094669	0.090053	1.051256
Ago1	ENSMUSG00000041530	2038.7	0.082495	0.092095	0.895761
Clk1	ENSMUSG00000026034	2948.474	0.050101	0.063937	0.783596
Bub1b	ENSMUSG00000040084	2423.833	0.051934	0.079371	0.654322
Ttc9b	ENSMUSG00000007944	1141.863	0.213619	0.112278	1.902587
Ythdf1	ENSMUSG00000038848	2086.93	0.035205	0.080989	0.434692
Polh	ENSMUSG00000023953	833.5056	0.073837	0.112329	0.657324
Sae1	ENSMUSG00000052833	5781.608	0.124705	0.0583	2.139023
Zmym3	ENSMUSG00000031310	1824.861	0.048839	0.099631	0.490202
Oas1b	ENSMUSG00000029605	192.6405	0.235056	0.115569	2.033895
Kif13a	ENSMUSG00000021375	297.5599	0.003756	0.107605	0.034908
Rhou	ENSMUSG00000039960	481.4352	-0.04753	0.13421	-0.35415
Epb41l4a	ENSMUSG00000024376	696.7975	0.271859	0.139526	1.948452
Prkaa1	ENSMUSG00000050697	2950.445	0.081146	0.100614	0.806514
Fam91a1	ENSMUSG00000037119	5203.419	0.004232	0.092062	0.045964
Smcr8	ENSMUSG00000049323	1590.379	0.024243	0.136968	0.176997
Eif4e2	ENSMUSG00000026254	2065.524	0.190701	0.079242	2.406576
Mthfd2	ENSMUSG00000005667	4766.391	0.052777	0.143425	0.367979
Gm6710	ENSMUSG00000078887	229.4779	0.083268	0.134845	0.617507
Med21	ENSMUSG00000030291	684.406	0.061765	0.089634	0.689085
Mfn2	ENSMUSG00000029020	1512.055	0.209267	0.085043	2.460737

Taf2	ENSMUSG00000037343	1402.953	-0.04984	0.085571	-0.58239
Nkap	ENSMUSG00000016409	611.1163	0.119732	0.099627	1.201806
Polr2d	ENSMUSG00000024258	1023.623	0.168989	0.096473	1.751667
Tro	ENSMUSG00000025272	204.0836	0.258889	0.12911	2.005173
Naa60	ENSMUSG00000005982	2742.416	0.028714	0.075951	0.378062
Scnm1	ENSMUSG000000092607	700.7627	0.037279	0.096812	0.385066
Wars	ENSMUSG00000021266	5882.823	0.084177	0.06826	1.233183
Rsl24d1	ENSMUSG00000032215	939.0242	0.134557	0.073187	1.838529
Dact3	ENSMUSG00000078794	158.0582	0.210471	0.126796	1.659919
Chd9	ENSMUSG00000056608	8995.871	0.159075	0.145445	1.093717
Plaur	ENSMUSG00000046223	76.44849	0.150698	0.140878	1.069701
Gm10175	ENSMUSG00000066724	6829.984	-0.05099	0.105616	-0.48283
Nek1	ENSMUSG00000031644	690.3114	0.074021	0.140732	0.525969
Appbp2	ENSMUSG00000018481	3020.981	0.048921	0.077952	0.62758
3222401L1	ENSMUSG00000073590	110.5377	0.177994	0.139735	1.27379
Rnf11	ENSMUSG00000028557	3967.894	0.085766	0.088916	0.964573
Tspan14	ENSMUSG00000037824	1392.155	0.072895	0.100572	0.724802
Banf1	ENSMUSG00000024844	3951.115	0.047552	0.095607	0.49737
Pomgnt2	ENSMUSG00000066235	504.6594	0.03098	0.112884	0.274442
Klf6	ENSMUSG00000000078	601.4246	-0.09433	0.131081	-0.71959
Nptn	ENSMUSG00000032336	6176.238	0.082542	0.048664	1.696169
Arih1	ENSMUSG00000025234	3338.749	0.140943	0.097084	1.451762
Rbm5	ENSMUSG00000032580	3970.975	0.008325	0.065431	0.127231
Lsr	ENSMUSG00000001247	4646.258	0.018728	0.070732	0.264772
Shroom2	ENSMUSG00000045180	709.1483	0.090516	0.079223	1.14255
Tada2a	ENSMUSG00000018651	700.0835	0.017433	0.085493	0.203916
Smarca1	ENSMUSG00000031099	280.5299	0.24494	0.142772	1.715599
Ctsb	ENSMUSG00000021939	22634.92	0.057826	0.094999	0.6087
Wiz	ENSMUSG00000024050	2801.038	0.037377	0.067577	0.553103
Ass1	ENSMUSG00000076441	2662.898	0.200328	0.110433	1.814024
Ywhaz	ENSMUSG00000022285	16359	0.12059	0.106241	1.135059
Bicd2	ENSMUSG00000037933	1870.737	0.049178	0.098544	0.499044
Sephs1	ENSMUSG00000026662	2279.58	-0.01391	0.106341	-0.13076
Cct4	ENSMUSG00000007739	5869.569	0.140655	0.065639	2.142859
Tmem145	ENSMUSG00000043843	510.9773	0.069768	0.128793	0.541707
Rab3a	ENSMUSG00000031840	5741.362	-0.07969	0.093356	-0.85363
Utp4	ENSMUSG00000041438	1676.817	0.146726	0.123196	1.190991
Ppp1r21	ENSMUSG00000034709	1732.382	0.115966	0.101236	1.145499
Garem1	ENSMUSG00000042680	163.7408	0.077373	0.140691	0.549951
Slc6a6	ENSMUSG00000030096	10474.23	0.07128	0.12589	0.566207
Stmn2	ENSMUSG00000027500	2589.689	0.195933	0.126723	1.546147
Hnrnpa1	ENSMUSG00000046434	12431.42	0.099301	0.071764	1.383723
Cptp	ENSMUSG00000029073	876.8512	0.158136	0.083314	1.898086
Pithd1	ENSMUSG00000028669	3202.774	0.163017	0.095117	1.713861
Adgrg1	ENSMUSG00000031785	12182.61	0.174997	0.118684	1.47448
Ppp4r1	ENSMUSG00000061950	1918.277	0.050584	0.083503	0.605779
Vrk3	ENSMUSG00000002205	1477.23	0.010325	0.092722	0.111357
Cfap300	ENSMUSG00000053070	82.17246	0.153382	0.140389	1.092551
Ubl5	ENSMUSG00000084786	2740.272	0.066187	0.111624	0.592943
Slc35d1	ENSMUSG00000028521	451.912	-0.1198	0.089204	-1.34299
Cd2bp2	ENSMUSG00000042502	3431.14	-0.0013	0.060349	-0.02158
Pnkd	ENSMUSG00000026179	1528.578	0.28083	0.106228	2.643647

Uri1	ENSMUSG00000030421	1477.695	0.014289	0.086389	0.165405
Pold2	ENSMUSG00000020471	2548.591	0.085542	0.103795	0.824151
Sec24b	ENSMUSG00000001052	2338.833	0.015552	0.083048	0.187268
Rps28	ENSMUSG00000067288	5211.422	0.121387	0.122712	0.989198
Clip3	ENSMUSG00000013921	4517.899	0.115039	0.099874	1.151835
Ss18l1	ENSMUSG00000039086	446.4118	0.039003	0.090542	0.430778
mt-Tp	ENSMUSG00000064372	1168.191	-0.03002	0.096234	-0.312
Rps19	ENSMUSG00000040952	8660.958	0.112878	0.113864	0.991346
Anapc7	ENSMUSG00000029466	1642.796	0.16066	0.087192	1.842607
Ssr2	ENSMUSG00000041355	17986.67	0.035683	0.090636	0.393698
Fbxo3	ENSMUSG00000027180	2397.88	0.06112	0.078787	0.775767
Rpl36a-ps2	ENSMUSG000000105388	530.3163	0.099697	0.138227	0.721253
Trpc6	ENSMUSG00000031997	267.3127	0.257895	0.120243	2.144783
Jmjd7	ENSMUSG00000098789	241.1725	0.330869	0.142247	2.326015
Fzr1	ENSMUSG00000020235	2566.231	0.08944	0.064652	1.383401
Heatr1	ENSMUSG00000050244	859.7163	0.045099	0.103981	0.433721
Plpp5	ENSMUSG00000031570	1598.515	-0.03671	0.12782	-0.28723
Sgip1	ENSMUSG00000028524	1185.605	0.108421	0.083501	1.298437
Nae1	ENSMUSG00000031878	1784.374	0.129192	0.07958	1.623423
Pxmp4	ENSMUSG00000000876	667.6011	0.093628	0.105318	0.889002
Nap1l5	ENSMUSG00000055430	3895.089	0.236705	0.130038	1.820284
Zfp622	ENSMUSG00000052253	1052.24	0.029253	0.107744	0.2715
Tmem9b	ENSMUSG00000031021	2314.976	0.095127	0.103797	0.916469
Slc22a15	ENSMUSG00000033147	872.3104	0.149411	0.07907	1.889594
Tmod2	ENSMUSG00000032186	5586.228	0.243019	0.099393	2.445037
Arfgef2	ENSMUSG00000074582	3392.339	0.104113	0.109837	0.947886
Rtel1	ENSMUSG00000038685	2197.254	0.146453	0.090684	1.614993
Rab10	ENSMUSG00000020671	4874.752	0.158823	0.065568	2.422261
Mat2a	ENSMUSG00000053907	2268.897	0.025867	0.08835	0.29278
Rasgef1b	ENSMUSG00000089809	642.0051	0.103173	0.130734	0.789185
Brms1l	ENSMUSG00000012076	1307.802	0.088397	0.078601	1.124624
Tppp3	ENSMUSG00000014846	924.1572	0.243115	0.128372	1.893833
Eif5a	ENSMUSG00000078812	16257.06	0.073943	0.087209	0.847883
Gpd1l	ENSMUSG00000050627	1263.469	0.017847	0.070513	0.253105
Klhl11	ENSMUSG00000048732	111.509	0.233693	0.140783	1.659948
Sft2d2	ENSMUSG00000040848	1128.462	0.219538	0.091679	2.394642
Gmps	ENSMUSG00000027823	2303.662	0.147893	0.068917	2.14595
Zfp1l	ENSMUSG00000024792	892.8448	0.076846	0.094325	0.814695
Eif3j2	ENSMUSG00000043424	1163.056	0.070248	0.107057	0.656169
Hpcal1	ENSMUSG00000071379	1707.677	0.188705	0.109078	1.729998
Spin1	ENSMUSG00000021395	1811.866	0.002961	0.070717	0.041872
Etaa1	ENSMUSG00000016984	779.0519	0.069174	0.109284	0.632974
Ggps1	ENSMUSG00000021302	1020.186	0.072775	0.078631	0.925529
Selenow	ENSMUSG00000041571	2947.335	0.028685	0.133942	0.214157
Usp8	ENSMUSG00000027363	2822.519	-0.02043	0.08759	-0.23326
Mfsd6	ENSMUSG00000041439	1968.118	0.038515	0.07578	0.508244
Mast1	ENSMUSG00000053693	2995.054	0.039796	0.096444	0.412632
Mat2a	ENSMUSG000000104463	2269.755	0.024978	0.088189	0.283228
Gpatch8	ENSMUSG00000034621	1617.664	0.004161	0.096954	0.042916
Ipo5	ENSMUSG00000030662	6591.551	0.06341	0.053811	1.17838
Kctd12	ENSMUSG00000098557	1464.137	-0.13721	0.120994	-1.13399
Lymr9	ENSMUSG00000072640	524.1969	0.001161	0.140006	0.008292

Rpl38	ENSMUSG00000057322	5852.005	0.160434	0.109035	1.471394
Fam220a	ENSMUSG00000083012	1275.336	0.123083	0.094352	1.304506
Gbbp1l1	ENSMUSG00000034042	1173.276	0.001722	0.115448	0.014915
Gnb5	ENSMUSG00000032192	1003.966	0.139451	0.084088	1.65839
Ccnf	ENSMUSG00000072082	2715.311	-0.05711	0.054754	-1.04308
Psmd1	ENSMUSG00000026229	5469.998	0.133733	0.094008	1.422569
Akain1	ENSMUSG00000091636	446.3358	-0.17279	0.093222	-1.85349
Ndufs2	ENSMUSG00000013593	18561.89	0.262029	0.118117	2.218382
Mrps15	ENSMUSG00000028861	1206.889	0.091385	0.112108	0.815155
Mpp1	ENSMUSG00000031402	794.2048	-0.03286	0.111574	-0.29451
Bag3	ENSMUSG00000030847	1508.126	0.183179	0.086968	2.106278
Mpi	ENSMUSG00000032306	1070.931	0.089306	0.075773	1.178607
Gm20390	ENSMUSG00000091228	3090.846	0.097099	0.113005	0.859248
Ing4	ENSMUSG00000030330	1209.709	0.083949	0.082653	1.015689
Cfl1	ENSMUSG00000056201	17796.75	0.046843	0.092577	0.50599
Htatip2	ENSMUSG00000039745	1594.922	0.051834	0.096268	0.538438
Hacd4	ENSMUSG00000028497	70.97654	0.197631	0.142315	1.38869
Shox2	ENSMUSG00000027833	186.7958	0.101757	0.117476	0.866194
Cdc7	ENSMUSG00000029283	1145.928	-0.0719	0.092805	-0.77473
Chic2	ENSMUSG00000029229	778.7174	0.018281	0.122983	0.148648
Esrp1	ENSMUSG00000040728	3363.68	0.072237	0.095444	0.756854
Ssbp1	ENSMUSG00000029911	1409.6	0.097412	0.07687	1.267236
Lhx6	ENSMUSG00000026890	352.3599	0.038608	0.101934	0.378757
Ccnc	ENSMUSG00000028252	1042.778	0.022723	0.090451	0.251224
Aldh9a1	ENSMUSG00000026687	3131.424	0.015107	0.130908	0.115404
Dgat2	ENSMUSG00000030747	574.3165	0.007912	0.08744	0.09049
Vsp35l	ENSMUSG00000030982	3244.914	0.093764	0.087232	1.074876
Ern1	ENSMUSG00000020715	7079.53	-0.04702	0.138491	-0.33948
Car2	ENSMUSG00000027562	600.7824	0.005963	0.124817	0.04777
Ephb2	ENSMUSG00000028664	242.8584	0.14022	0.117149	1.196941
Lgmn	ENSMUSG00000021190	5749.96	0.077459	0.107771	0.718735
Cers5	ENSMUSG00000023021	2545.277	-0.00747	0.058629	-0.12738
Xpo5	ENSMUSG00000067150	1400.485	-0.00881	0.105599	-0.08343
Fuom	ENSMUSG00000025466	2519.67	0.051289	0.106233	0.482796
Ndufb3	ENSMUSG00000026032	1900.247	0.114573	0.10715	1.069277
Mrpl45	ENSMUSG00000018882	1048.11	0.155799	0.108992	1.429455
Galnt2	ENSMUSG00000089704	946.5436	0.13426	0.14428	0.930552
Zmym4	ENSMUSG00000042446	1844.486	0.068264	0.095667	0.71356
Dpy30	ENSMUSG00000024067	1906.526	0.096747	0.105382	0.918059
Nup35	ENSMUSG00000026999	2109.964	0.141737	0.060974	2.324536
Dph2	ENSMUSG00000028540	544.2984	0.102786	0.094465	1.088089
Mat1a	ENSMUSG00000037798	1029.899	0.104974	0.132998	0.789285
Zfp445	ENSMUSG00000047036	2236.09	-0.05558	0.108389	-0.51283
Herpud1	ENSMUSG00000031770	3951.867	0.014092	0.13571	0.103842
Zbtb43	ENSMUSG00000026788	547.952	-0.05043	0.101813	-0.49535
Tada2b	ENSMUSG00000029196	1292.594	-0.01315	0.088408	-0.14877
Trpc4ap	ENSMUSG00000038324	5966.745	0.163477	0.047787	3.420934
Sf3b1	ENSMUSG00000025982	8301.715	0.031261	0.075843	0.412181
Slc44a3	ENSMUSG00000039865	4025.825	-0.03676	0.091206	-0.40305
Mtcp1	ENSMUSG00000031200	195.4094	0.043109	0.12018	0.358706
Sepsecs	ENSMUSG00000029173	1878.741	-0.0056	0.106452	-0.0526
Mrps18b	ENSMUSG00000024436	1308.839	-0.03194	0.078458	-0.40708

Paxx	ENSMUSG00000047617	568.4393	0.099488	0.125484	0.792833
Ilf2	ENSMUSG00000001016	3703.211	0.177543	0.058787	3.020105
Wdr59	ENSMUSG00000031959	2206.274	0.205585	0.078695	2.612438
Hspa9	ENSMUSG00000024359	10668.87	0.083391	0.12134	0.687251
Gm14685	ENSMUSG00000067771	140.5589	0.071623	0.14527	0.493032
Chrac1	ENSMUSG00000068391	846.2605	-0.06833	0.094595	-0.72239
Rps3	ENSMUSG00000030744	16684.21	0.083463	0.117401	0.710922
Chac1	ENSMUSG00000027313	1237.867	0.008791	0.105681	0.083186
Nap1l2	ENSMUSG00000082229	1158.653	0.152467	0.098471	1.548343
Pmpca	ENSMUSG00000026926	4347.434	0.134898	0.075352	1.790229
Ficd	ENSMUSG00000053334	779.0659	0.021467	0.092128	0.233015
Mapk1	ENSMUSG00000063358	7517.356	0.122072	0.062947	1.939271
Extl2	ENSMUSG00000027963	1075.157	-0.00144	0.08666	-0.01659
Iqgap1	ENSMUSG00000030536	11337.57	0.06833	0.097989	0.697323
Slc7a6	ENSMUSG00000031904	1723.473	-0.09466	0.138106	-0.68543
Ghitm	ENSMUSG00000041028	8012.037	0.098264	0.120116	0.818073
Dcaf13	ENSMUSG00000022300	630.1751	0.183867	0.116883	1.573087
Gm28661	ENSMUSG000000102070	29731.86	0.129057	0.124025	1.040579
Trafd1	ENSMUSG00000042726	1251.768	-0.00224	0.08869	-0.02525
Myt1l	ENSMUSG00000061911	1605.109	0.097161	0.10921	0.889675
Acbd3	ENSMUSG00000026499	2116.063	0.126165	0.103607	1.217719
Rcor3	ENSMUSG00000011452	588.7691	0.021451	0.122387	0.17527
Pigk	ENSMUSG00000039047	2272.929	0.059814	0.080582	0.74228
Dnajc9	ENSMUSG00000021811	4855.8	0.089817	0.072674	1.235878
Plcd4	ENSMUSG00000026173	51.10928	0.193656	0.143361	1.350824
Nnt	ENSMUSG00000025453	1359.04	0.244519	0.101542	2.408055
Gnptab	ENSMUSG00000035311	5917.525	0.294036	0.109942	2.674461
Gp1ba	ENSMUSG00000050675	52.96981	0.141879	0.134343	1.056095
Metap2	ENSMUSG00000036112	5031.869	0.160679	0.06423	2.50164
Zfp169	ENSMUSG00000050954	145.6216	-0.08447	0.136423	-0.6192
6430548M	ENSMUSG00000031824	8390.457	0.325996	0.118964	2.740288
Zfp808	ENSMUSG00000074867	287.8719	0.014696	0.139212	0.105566
Adprh	ENSMUSG00000002844	1654.894	0.243788	0.095459	2.553862
Ogt	ENSMUSG00000034160	3596.61	-0.02203	0.127203	-0.17322
Zdhhc4	ENSMUSG00000001844	936.3157	-0.01734	0.119517	-0.14513
Mrpl49	ENSMUSG00000007338	2101.634	0.191175	0.08152	2.345122
Ctdsp1	ENSMUSG00000026176	1642.197	-0.01922	0.084378	-0.2278
Rnf181	ENSMUSG000000102720	1880.503	0.102741	0.094601	1.086037
Zfp827	ENSMUSG00000071064	919.578	-0.05158	0.090635	-0.56911
Fastkd5	ENSMUSG00000079043	451.3052	0.011414	0.109056	0.10466
Tpt1-ps3	ENSMUSG00000084319	8459.43	0.048737	0.11751	0.41475
Pak3	ENSMUSG00000031284	994.4035	0.055482	0.128628	0.431341
Hjurp	ENSMUSG00000044783	14125.31	-0.01087	0.110789	-0.09816
Mrpl34	ENSMUSG00000034880	1212.473	0.151607	0.115753	1.309745
Psma1	ENSMUSG00000030751	4842.758	0.153659	0.078573	1.955605
Pard6g	ENSMUSG00000056214	603.6592	0.130039	0.088763	1.465026
Rabgef1	ENSMUSG00000025340	1099.42	0.109866	0.06954	1.579899
Jpt2	ENSMUSG00000024165	6658.089	0.121819	0.074559	1.633865
Lin7c	ENSMUSG00000027162	3761.009	0.109222	0.09753	1.119882
Bbip1	ENSMUSG00000084957	1560.598	0.097904	0.070445	1.3898
Slc5a3	ENSMUSG00000089774	246.7975	0.110982	0.145612	0.762173
Hcn1	ENSMUSG00000021730	905.5296	-0.10315	0.081917	-1.25915

Ppm1l	ENSMUSG00000027784	1275.987	0.13198	0.103687	1.272873
Rexo2	ENSMUSG00000032026	2457.588	0.201559	0.091222	2.209555
Raph1	ENSMUSG00000026014	1300.111	0.018644	0.123834	0.150555
Taf7	ENSMUSG00000051316	503.5348	0.052011	0.107024	0.485972
Dcaf12l1	ENSMUSG00000045284	450.205	-0.05973	0.095151	-0.62777
Dio2	ENSMUSG00000007682	201.1701	0.090393	0.131245	0.688733
Gm15681	ENSMUSG00000086842	5496.878	0.051848	0.129045	0.401784
Alg10b	ENSMUSG00000075470	780.0177	0.031672	0.136105	0.232705
Ddx25	ENSMUSG00000032101	859.7229	0.184848	0.082861	2.230816
Copb1	ENSMUSG00000030754	6907.353	0.11697	0.071473	1.63656
Ush2a	ENSMUSG00000026609	562.189	0.089592	0.131728	0.680124
40787	ENSMUSG00000058013	2690.764	0.041479	0.102661	0.404042
Sec61a2	ENSMUSG00000025816	1299.792	0.050278	0.096115	0.523101
Zfp810	ENSMUSG00000066829	764.2799	-0.05665	0.107391	-0.52748
Vps13a	ENSMUSG00000046230	1005.488	0.06608	0.139223	0.474634
Tmem11	ENSMUSG00000043284	931.1556	0.177018	0.089011	1.988709
Qser1	ENSMUSG00000074994	990.9505	-0.09278	0.132421	-0.70065
Rbm4	ENSMUSG00000094936	647.8946	0.129314	0.097651	1.324242
Ndufaf7	ENSMUSG00000024082	877.1554	0.156968	0.084392	1.85999
Usp29	ENSMUSG00000051527	2976.644	0.035951	0.117536	0.30587
Kctd10	ENSMUSG00000001098	1432.058	0.162067	0.075427	2.148656
Tspan31	ENSMUSG00000006736	3417.002	0.02023	0.07048	0.287029
Cops4	ENSMUSG00000035297	3389.303	0.151134	0.083936	1.800595
Unc5a	ENSMUSG00000025876	2240.563	0.073039	0.105232	0.694078
Cdc42ep3	ENSMUSG00000036533	138.1753	0.031306	0.142411	0.219826
Pum1	ENSMUSG00000028580	1140.266	-0.01288	0.096484	-0.13348
Rcor3	ENSMUSG00000037395	588.7691	0.021451	0.122387	0.17527
Slc30a6	ENSMUSG00000024069	533.0496	-0.01165	0.088388	-0.13185
Clcn5	ENSMUSG00000004317	1130.536	0.413427	0.104526	3.955272
Eif3h	ENSMUSG00000022312	6508.651	0.058507	0.082857	0.70613
Zranb2	ENSMUSG00000028180	3153.531	0.107201	0.098087	1.092925
Ascc2	ENSMUSG00000020412	1786.947	0.057614	0.076573	0.752402
Zfp512b	ENSMUSG00000000823	1673.775	0.118276	0.122909	0.962308
Mpzl1	ENSMUSG00000026566	1891.932	0.097423	0.116056	0.83945
Zfp959	ENSMUSG00000003198	305.5568	0.059689	0.089002	0.670654
Rps5	ENSMUSG00000012848	13294.68	0.129276	0.115546	1.118822
Crbn	ENSMUSG00000005362	919.5609	0.061365	0.091453	0.670999
Ccdc43	ENSMUSG00000020925	870.8378	0.074316	0.06533	1.137544
Zmym5	ENSMUSG00000040123	1268.61	-0.03073	0.082293	-0.37344
Fzd3	ENSMUSG00000007989	858.7764	0.114652	0.106344	1.078129
Eri1	ENSMUSG00000031527	3374.83	-0.04865	0.128248	-0.37935
Gtf2b	ENSMUSG00000028271	1755.198	-0.03297	0.080112	-0.41158
Eef1b2	ENSMUSG00000025967	9963.559	0.264986	0.110986	2.387572
D630023F1	ENSMUSG00000044816	700.44	0.021284	0.12092	0.176019
Dusp11	ENSMUSG00000030002	2915.066	-0.04878	0.089271	-0.54648
Siah2	ENSMUSG00000036432	2046.233	0.029598	0.121647	0.243315
Tmem256	ENSMUSG00000070394	1645.878	0.143275	0.117437	1.220016
Idh3b	ENSMUSG00000027406	3295.574	0.050274	0.079041	0.636054
2700062C	ENSMUSG00000024273	475.5813	0.013644	0.104046	0.131133
Tm2d2	ENSMUSG00000031556	3473.579	0.118926	0.115609	1.028694
Tom1l2	ENSMUSG00000000538	3523.603	0.102087	0.062928	1.622276
Akt2	ENSMUSG00000004056	8231.618	0.237999	0.069135	3.44254

Tent5b	ENSMUSG00000046694	1301.376	0.235838	0.107505	2.193743
Gm43549	ENSMUSG000000106334	2683.56	0.107752	0.124303	0.86685
Clasp1	ENSMUSG000000064302	2108.208	0.045127	0.075373	0.598718
Morc4	ENSMUSG000000031434	683.7951	0.041227	0.137415	0.300017
Cep70	ENSMUSG000000056267	850.9499	-0.00287	0.098422	-0.02917
Ttc3	ENSMUSG000000040785	6884.242	0.074792	0.093338	0.801304
Habp4	ENSMUSG000000021476	1499.137	0.058079	0.1037	0.56007
BC029722	ENSMUSG000000074649	1826.895	0.067126	0.133692	0.502093
Psmc3ip	ENSMUSG000000019303	863.3797	0.239704	0.11431	2.096972
Gm20498	ENSMUSG000000021139	195.9685	0.170954	0.130433	1.310667
Stam	ENSMUSG000000026718	1220.772	0.053362	0.124244	0.429491
Golga1	ENSMUSG000000026754	1654.156	-0.07735	0.102754	-0.75282
Anapc5	ENSMUSG000000029472	16917.01	0.072862	0.066905	1.089026
Ndufaf2	ENSMUSG000000068184	598.9168	0.118551	0.105403	1.124741
Sqle	ENSMUSG000000022351	5938.382	0.200365	0.075823	2.642531
Pigx	ENSMUSG000000023791	549.0241	0.196536	0.101028	1.945361
Uhrf1	ENSMUSG000000001228	4313.382	0.158763	0.077169	2.057338
Lrrc8d	ENSMUSG000000046079	2412.424	0.041963	0.080413	0.521845
Eda	ENSMUSG000000059327	60.59867	0.06212	0.132965	0.467188
Prkdc	ENSMUSG000000022672	1185.135	0.173191	0.098247	1.762806
Slitrk5	ENSMUSG000000033214	652.1022	-0.0863	0.083903	-1.02858
Stambp	ENSMUSG000000006906	1293.464	0.01813	0.084755	0.213916
Zfhx3	ENSMUSG000000038872	507.2247	-0.06913	0.087716	-0.78816
Tnfrsf21	ENSMUSG000000023915	1539.929	-0.02445	0.127759	-0.19137
Fdx1l	ENSMUSG000000079677	437.4739	0.165306	0.130712	1.264659
Nedd4	ENSMUSG000000032216	14289.66	0.054868	0.10963	0.500481
Rnf181	ENSMUSG000000055850	1875.378	0.10945	0.09549	1.146196
Ap5s1	ENSMUSG000000068264	804.1671	-0.03028	0.081917	-0.36964
Hspd1	ENSMUSG000000025980	9452.086	0.237322	0.075651	3.137056
Znhit3	ENSMUSG000000020526	600.642	0.099963	0.094202	1.061154
Pgk1	ENSMUSG000000062070	44075.02	-0.02181	0.141464	-0.15417
Fbl	ENSMUSG000000046865	2631.95	0.162191	0.089918	1.803759
Dnaaf2	ENSMUSG000000020973	1028.791	0.13756	0.06821	2.016698
Renbp	ENSMUSG000000031387	1481.979	0.086416	0.135511	0.637704
Cdkn1b	ENSMUSG000000003031	5529.998	0.069262	0.069306	0.99936
Rb1cc1	ENSMUSG000000025907	1405.168	0.009664	0.087756	0.11012
Capzb	ENSMUSG000000028745	6423.425	0.303889	0.091585	3.318108
Gpr89	ENSMUSG000000028096	1055.271	-0.06494	0.124194	-0.52289
Tprkb	ENSMUSG000000054226	1041.908	0.025214	0.082663	0.305025
Smim4	ENSMUSG000000058351	516.3581	0.156318	0.115147	1.357549
Abcc1	ENSMUSG000000023088	1709.436	0.19986	0.100639	1.985917
Trp53	ENSMUSG000000059552	2388.323	0.086727	0.06303	1.375969
Fbxo30	ENSMUSG000000047648	343.8976	-0.02212	0.144246	-0.15334
Lpcat1	ENSMUSG000000021608	2046.914	0.191093	0.077033	2.480667
Dcaf13	ENSMUSG0000000106903	630.1751	0.183867	0.116883	1.573087
Tnfsf9	ENSMUSG000000035678	487.7015	0.101855	0.145932	0.697961
Pdss1	ENSMUSG000000026784	437.1282	0.213405	0.082019	2.601889
Dll1	ENSMUSG000000014773	821.3658	0.387011	0.105621	3.66416
Dynlt1f	ENSMUSG000000095677	4031.083	0.048113	0.10726	0.448566
Ppp1r2	ENSMUSG000000047714	3992.003	0.035455	0.062433	0.567893
Wrap53	ENSMUSG000000041346	950.8524	0.168658	0.093854	1.797025
Slc39a1	ENSMUSG000000052310	1569.543	0.11255	0.092868	1.211936

Nbn	ENSMUSG00000028224	1203.4	0.072963	0.07005	1.041592
Calr	ENSMUSG00000003814	59256.09	0.100973	0.129228	0.781352
Gm2026	ENSMUSG00000078886	104.7973	0.25215	0.140313	1.797061
Wwp1	ENSMUSG00000041058	1079.359	0.091655	0.095552	0.959217
Ubfd1	ENSMUSG00000030870	2751.31	0.239083	0.05467	4.373171
Pum1	ENSMUSG000000106966	1140.266	-0.01288	0.096484	-0.13348
G3bp2	ENSMUSG00000029405	8870.079	0.248427	0.090102	2.757172
H13	ENSMUSG00000019188	6914.868	0.050789	0.08911	0.569964
Fzd8	ENSMUSG00000036904	294.2652	0.018163	0.143958	0.126168
Efna5	ENSMUSG00000048915	2246.016	-0.07141	0.085964	-0.83068
Rac1	ENSMUSG00000001847	7474.204	0.037369	0.047365	0.788966
Ywhae	ENSMUSG00000020849	19886.35	0.174967	0.072849	2.401777
Dus4l	ENSMUSG00000020648	130.3853	0.104568	0.131732	0.793797
Cdkn2d	ENSMUSG00000096472	4387.453	0.112083	0.08185	1.369367
Selenos	ENSMUSG00000075701	2548.097	0.104779	0.098166	1.067367
Calml4	ENSMUSG00000032246	343.2886	0.230771	0.127641	1.807976
Gstp1	ENSMUSG00000097830	3342.346	0.153101	0.135445	1.130356
Psmd8	ENSMUSG00000030591	3936.521	0.171301	0.084034	2.038471
Nudt3	ENSMUSG00000024213	2536.369	0.109685	0.081796	1.340949
Srsf2	ENSMUSG00000034120	7722.242	0.118481	0.082902	1.429167
Atp8a1	ENSMUSG00000037685	1638.809	0.123377	0.087929	1.403145
Wdhd1	ENSMUSG00000037572	2704.567	0.077199	0.07891	0.978317
Msx1	ENSMUSG00000048450	1796.708	0.127351	0.09764	1.304291
Tagap1	ENSMUSG00000052031	1219.281	0.03284	0.106578	0.308135
Zbtb18	ENSMUSG00000063659	2205.58	0.038657	0.145192	0.266245
Mmab	ENSMUSG00000029575	583.9783	0.22109	0.081785	2.703304
Tcf25	ENSMUSG00000001472	11910.78	0.01575	0.065192	0.241602
Snap25	ENSMUSG00000027273	6560.364	0.01089	0.116618	0.093378
Gm26737	ENSMUSG00000097467	96.27678	0.183856	0.144992	1.268044
Alms1	ENSMUSG00000063810	825.2475	0.042595	0.109612	0.388597
Tcp1	ENSMUSG00000068039	12855.01	0.153027	0.060111	2.545768
Dyrk1a	ENSMUSG00000022897	2952.567	-0.01714	0.077003	-0.22252
Calu	ENSMUSG00000029767	3206.252	0.146379	0.111081	1.317769
Eif2s2	ENSMUSG00000074656	5611.19	0.131996	0.113409	1.163895
Nme4	ENSMUSG00000024177	123.7675	-0.0638	0.142896	-0.44647
Dym	ENSMUSG00000035765	1401.697	0.030116	0.071742	0.419782
Rragb	ENSMUSG00000041658	1322.248	-0.01348	0.104131	-0.12943
Fnip1	ENSMUSG00000035992	1988.131	0.029348	0.143159	0.205004
Smpd1	ENSMUSG00000037049	4546.244	0.223447	0.077841	2.870564
Dsc2	ENSMUSG00000024331	1334.796	0.094293	0.117222	0.804398
Rpl17	ENSMUSG00000062328	11406.43	0.110168	0.106162	1.037733
Loxl2	ENSMUSG00000034205	8402.007	0.218572	0.106855	2.045496
Nudt21	ENSMUSG00000031754	2987.019	0.058071	0.095667	0.607014
Nphp3	ENSMUSG00000032558	186.4951	-0.05232	0.145933	-0.35851
Wdr35	ENSMUSG00000066643	1405.677	-0.01558	0.081228	-0.19182
Rfx6	ENSMUSG00000019900	2148.267	-0.02334	0.092216	-0.2531
Scaf8	ENSMUSG00000046201	1833.521	0.065085	0.095057	0.684699
Card6	ENSMUSG00000041849	310.2876	-0.03237	0.141054	-0.22949
Ccdc93	ENSMUSG00000026339	814.2057	0.117357	0.113485	1.034118
Fnbp1l	ENSMUSG00000039735	685.3201	0.032108	0.087439	0.367202
37681	ENSMUSG00000032656	196.8114	0.225287	0.114335	1.970415
Gnpnat1	ENSMUSG00000037722	1219.298	0.075315	0.08492	0.886888

Ttc8	ENSMUSG00000021013	1648.277	0.001227	0.131507	0.009329
Arhgap12	ENSMUSG00000041225	622.464	0.090691	0.080835	1.121928
Snx33	ENSMUSG00000032733	173.0597	0.089504	0.121178	0.73862
Uso1	ENSMUSG00000029407	5729.829	0.067402	0.060682	1.110745
Cep44	ENSMUSG00000038215	519.6484	-0.03086	0.134309	-0.22976
Hcfc1r1	ENSMUSG00000023904	2605.248	0.129123	0.129523	0.996916
Lrr1	ENSMUSG00000034883	323.0149	0.269038	0.096777	2.779975
Wdr45	ENSMUSG00000039382	823.5363	0.024466	0.127863	0.191346
Fam120a	ENSMUSG00000038014	8248.604	0.13676	0.08571	1.595605
Phf10	ENSMUSG00000023883	3244.869	0.082349	0.138794	0.593316
Wdr70	ENSMUSG00000039828	469.9756	0.12371	0.078093	1.584135
Agfg2	ENSMUSG00000029722	928.5705	0.237082	0.071804	3.301812
Eif3g	ENSMUSG00000070319	3803.567	0.127661	0.078561	1.624994
Skap1	ENSMUSG00000057058	1531.732	0.207976	0.100077	2.078168
Uckl1os	ENSMUSG00000010492	101.0082	0.281201	0.140647	1.999345
Fam155a	ENSMUSG00000079157	815.2067	0.058502	0.109067	0.53639
Ddx19a	ENSMUSG00000015023	2939.387	0.10781	0.095114	1.133482
Ccdc167	ENSMUSG00000024018	652.0636	0.266977	0.123308	2.165116
Zfp93	ENSMUSG00000055305	272.9342	0.206847	0.110916	1.864889
BC052040	ENSMUSG00000040282	681.6925	0.070715	0.072559	0.974595
Gstp1	ENSMUSG00000060803	3342.346	0.153101	0.135445	1.130356
Synrg	ENSMUSG00000034940	3313.003	0.144253	0.085758	1.682101
Magoh	ENSMUSG00000028609	1595.056	0.117185	0.098007	1.195677
Chaf1a	ENSMUSG00000002835	2967.322	0.210865	0.076702	2.749135
Gm26880	ENSMUSG00000096979	1831.863	0.186211	0.143078	1.301461
Rit1	ENSMUSG00000028057	487.6955	0.119215	0.092574	1.287784
Arl3	ENSMUSG00000025035	2296.873	0.188538	0.128253	1.470042
Snappc3	ENSMUSG00000028483	767.8146	0.140031	0.074294	1.884825
Nt5c2	ENSMUSG00000025041	2651.312	0.088749	0.066168	1.341266
Plpp2	ENSMUSG00000052151	748.0577	-0.08343	0.136088	-0.61305
Mtm1	ENSMUSG00000031337	250.9383	0.155774	0.120184	1.296122
Chst5	ENSMUSG00000031952	459.2452	0.243703	0.144509	1.686423
Lman2l	ENSMUSG00000001143	1409.203	0.214835	0.095432	2.251185
Atp5l	ENSMUSG00000038717	7698.464	0.125067	0.095727	1.306489
Zfand3	ENSMUSG00000044477	2233.499	0.12405	0.055127	2.250254
Dlg5	ENSMUSG00000021782	1788.09	0.163915	0.086011	1.905739
1600012H	ENSMUSG00000050088	1207.653	-0.00128	0.057471	-0.02234
Psm2	ENSMUSG00000006998	11003.67	0.164658	0.059396	2.772204
Trappc2	ENSMUSG00000079317	918.3579	0.02953	0.102447	0.288248
Kif18a	ENSMUSG00000027115	549.4227	0.062269	0.083654	0.744367
Zfp651	ENSMUSG00000013419	767.699	0.082512	0.077592	1.063411
Pgd	ENSMUSG00000028961	1586.964	0.111024	0.113701	0.976458
Pdx1	ENSMUSG00000029644	8851.351	-0.06803	0.070129	-0.97004
Trpm7	ENSMUSG00000027365	2383.283	-0.0313	0.106608	-0.29362
Lclat1	ENSMUSG00000054469	1406.297	0.168075	0.086372	1.945947
Necap2	ENSMUSG00000028923	577.3561	0.078751	0.074019	1.063924
Dvl2	ENSMUSG00000020888	1232.851	0.134838	0.098925	1.363033
Rnf138	ENSMUSG00000024317	642.6143	0.110143	0.089194	1.234865
Hsd17b7	ENSMUSG00000026675	453.9295	0.295497	0.132706	2.22671
Arhgef3	ENSMUSG00000021895	304.1863	0.036175	0.110007	0.328839
Pkmyt1	ENSMUSG00000023908	1598.399	0.094562	0.067866	1.39337
Pias2	ENSMUSG00000025423	2441.088	0.003481	0.090507	0.038458

Rpl3	ENSMUSG00000060036	18174.36	0.144484	0.087492	1.651402
Zfp189	ENSMUSG00000039634	283.7086	0.049856	0.116068	0.429538
Plekhf2	ENSMUSG00000049969	298.3878	-0.03384	0.117259	-0.28859
Fam69a	ENSMUSG00000029270	205.301	0.047754	0.144829	0.329725
Prelid3b	ENSMUSG00000016257	2922.076	0.136505	0.056182	2.4297
Ndufb6	ENSMUSG00000071014	2265.222	0.214045	0.096077	2.227853
Aaas	ENSMUSG00000036678	2320.592	0.027084	0.060684	0.446317
Mcm7	ENSMUSG00000029730	7105.848	0.095058	0.071398	1.331375
Naa38	ENSMUSG00000059278	1224.845	0.088544	0.111021	0.797542
Mis18bp1	ENSMUSG00000047534	1077.417	-0.08351	0.099655	-0.83795
Atp6v0a1	ENSMUSG00000019302	8761.581	0.174561	0.072783	2.398381
Mybl2	ENSMUSG00000017861	1357.536	0.170267	0.092672	1.837304
Lamtor2	ENSMUSG00000028062	1391.536	0.0807	0.111097	0.726393
Cdc42ep2	ENSMUSG00000045664	194.0711	0.317149	0.137099	2.313278
Ercc8	ENSMUSG00000021694	252.9394	0.001347	0.102355	0.013164
Nudt4	ENSMUSG00000020029	3296.296	0.083177	0.05772	1.441032
Ppp1r12a	ENSMUSG00000019907	755.9295	0.024278	0.126679	0.191653
Hpse	ENSMUSG00000035273	830.223	0.318837	0.116128	2.745559
Tpx2	ENSMUSG00000027469	5410.481	0.060524	0.080189	0.754762
Nudcd3	ENSMUSG00000053838	3776.144	0.124801	0.051815	2.408569
Tbc1d15	ENSMUSG00000020130	2362.845	-0.02574	0.118777	-0.21674
Mboat2	ENSMUSG00000020646	1606.403	0.203372	0.072229	2.81563
Zfp53	ENSMUSG00000057409	264.0827	0.006883	0.100226	0.068675
Gm14434	ENSMUSG00000078881	143.874	0.128632	0.133451	0.963888
Ldhb	ENSMUSG00000030246	413.1658	0.161027	0.131133	1.227969
Itpkb	ENSMUSG00000038855	5190.674	0.154533	0.096151	1.607196
Cks1b	ENSMUSG00000028044	2216.527	0.111121	0.105314	1.05599
Srek1ip1	ENSMUSG00000021716	394.8148	0.053702	0.1177	0.456265
Trpm5	ENSMUSG00000009246	3118.724	0.098622	0.096515	1.021837
Eif3f	ENSMUSG00000031029	5032.254	0.078602	0.092077	0.853656
Vcpip1	ENSMUSG00000045210	1247.727	0.05942	0.116003	0.51223
Eif3d	ENSMUSG00000016554	5637.709	0.123388	0.069657	1.771354
Akap8	ENSMUSG00000024045	2732.627	0.073652	0.067632	1.089013
Inpp1	ENSMUSG00000026102	695.597	0.093683	0.10839	0.864316
Serf2	ENSMUSG00000074884	12016.57	0.211062	0.104187	2.025791
Tmem216	ENSMUSG00000024667	297.9423	0.224876	0.097088	2.316214
Dnm1l	ENSMUSG00000022789	3491.157	0.119083	0.084565	1.40818
Tnpo2	ENSMUSG00000031691	3124.619	0.127345	0.122024	1.043603
Dnajc2	ENSMUSG00000029014	1560.434	0.104636	0.096269	1.086911
Tpr	ENSMUSG00000006005	5550.455	0.046756	0.086364	0.541377
Cdk2	ENSMUSG00000025358	1585.912	0.155071	0.087398	1.774297
Dcakd	ENSMUSG00000020935	2631.712	0.028633	0.118624	0.241378
Kif5b	ENSMUSG00000006740	2680.615	0.061134	0.113333	0.539424
Gm15446	ENSMUSG00000090015	452.7839	0.016961	0.074479	0.227731
Fer1l6	ENSMUSG00000037106	2814.734	-0.0246	0.139574	-0.17623
Mpp3	ENSMUSG00000052373	2712.578	0.121954	0.088415	1.379339
Slc14a2	ENSMUSG00000024552	119.8078	0.250361	0.145991	1.714903
Snta1	ENSMUSG00000027488	273.0745	0.173337	0.110522	1.568343
Heatr3	ENSMUSG00000031657	1547.68	0.153668	0.07444	2.064318
Lamtor3	ENSMUSG00000091512	2063.325	0.079942	0.100928	0.792064
Rnf111	ENSMUSG00000032217	1143.395	-0.00895	0.093692	-0.0955
Sobp	ENSMUSG00000038248	786.6391	0.066199	0.120702	0.548449

Ppargc1a	ENSMUSG00000029167	671.1474	0.093214	0.145562	0.640372
Rpl41	ENSMUSG00000093674	30313.5	0.129243	0.111331	1.160891
Mrpl12	ENSMUSG00000039640	2346.552	0.188165	0.108737	1.730453
Tmem68	ENSMUSG00000028232	1008.183	-0.10409	0.084682	-1.22921
Cdk10	ENSMUSG00000033862	968.5248	0.080746	0.098303	0.821396
Sec24d	ENSMUSG00000039234	2933.315	0.082962	0.092303	0.898804
Tmem218	ENSMUSG00000032121	639.1155	0.090299	0.121962	0.740385
Helz	ENSMUSG00000020721	1218.114	0.021816	0.100795	0.216441
Mrpl15	ENSMUSG00000033845	1913.637	0.146412	0.091179	1.605775
Unc13b	ENSMUSG00000028456	1250.014	0.040386	0.114697	0.352106
Gm28437	ENSMUSG000000101111	1846.085	0.173556	0.10698	1.62232
2810410L2	ENSMUSG00000075389	119.9803	0.018153	0.13502	0.134444
Usp1	ENSMUSG00000041264	1170.538	0.049497	0.088249	0.560874
Myo18b	ENSMUSG00000072720	200.4055	-0.01684	0.142004	-0.11856
Rnf130	ENSMUSG00000020376	5684.26	0.021755	0.101234	0.214895
Pycrl	ENSMUSG00000022571	1718.527	0.24108	0.098939	2.436646
Hs6st1	ENSMUSG00000045216	2337.405	0.053225	0.097087	0.548221
Acap2	ENSMUSG00000049076	1690.954	0.104359	0.099348	1.050438
Hivep2	ENSMUSG00000015501	1315.277	-0.1402	0.097634	-1.43592
Smndc1	ENSMUSG00000025024	1642.891	0.079159	0.071116	1.113088
Dhx8	ENSMUSG00000034931	1035.594	0.033579	0.075058	0.447374
Abcd1	ENSMUSG00000031378	887.6049	0.084842	0.093285	0.909491
Ctps2	ENSMUSG00000031360	1720.426	0.123001	0.092682	1.327136
Chek1	ENSMUSG00000032113	1106.287	0.163694	0.122953	1.331359
Neto2	ENSMUSG00000036902	3875.929	0.076355	0.095633	0.798419
Strn3	ENSMUSG00000020954	2489.818	0.077126	0.089787	0.858992
Slc25a3	ENSMUSG00000061904	20479.36	0.186816	0.07241	2.579972
Lars	ENSMUSG00000024493	2993.012	0.085589	0.082528	1.037086
Ranbp2	ENSMUSG00000003226	4767.165	0.045852	0.113564	0.403753
Sos1	ENSMUSG00000024241	1420.658	0.046533	0.111405	0.417694
Rprd2	ENSMUSG00000028106	1448.671	0.003231	0.095587	0.0338
Vamp3	ENSMUSG00000028955	4283.557	0.179871	0.090275	1.992469
Naxe	ENSMUSG00000028070	3133.274	0.107845	0.119654	0.901303
Polr2j	ENSMUSG00000039771	1271.28	-0.10302	0.104459	-0.98623
Cdh18	ENSMUSG00000040420	122.273	0.248293	0.138723	1.789846
Naa25	ENSMUSG00000042719	1371.6	0.143049	0.08828	1.62041
Tspan13	ENSMUSG00000020577	12972.89	0.081647	0.095822	0.852069
Slc25a1	ENSMUSG00000003528	2314.183	0.159045	0.109422	1.453493
Zcchc2	ENSMUSG00000038866	1203.028	0.102031	0.088872	1.14807
Fnbp4	ENSMUSG00000008200	2175.219	-0.01793	0.12373	-0.14489
St6galnac6	ENSMUSG00000026811	879.809	-0.06178	0.130696	-0.4727
Yae1d1	ENSMUSG00000075054	875.9807	0.074903	0.064327	1.164409
Tmem131l	ENSMUSG00000033767	1484.012	0.191981	0.078792	2.436548
Slc16a1	ENSMUSG00000032902	1515.743	0.027117	0.14135	0.19184
Chchd1	ENSMUSG00000063787	1396.95	0.17241	0.107385	1.605533
Recql5	ENSMUSG00000020752	652.7375	-0.15685	0.135634	-1.1564
Pde4b	ENSMUSG00000028525	3130.432	0.18311	0.096948	1.888748
Tle4	ENSMUSG00000024642	365.7798	-0.03684	0.092269	-0.39926
Ylpm1	ENSMUSG00000021244	2181.518	0.050611	0.070496	0.717935
Eif4g2	ENSMUSG00000005610	28272.52	0.11914	0.083885	1.420284
Bub1	ENSMUSG00000027379	2223.444	0.058405	0.110524	0.528434
Pold3	ENSMUSG00000030726	2495.018	0.06909	0.092053	0.750546

Atad2	ENSMUSG00000022360	5021.54	0.027311	0.116059	0.235321
Coq10b	ENSMUSG00000025981	1456.333	0.260977	0.06885	3.790529
Ubqln1	ENSMUSG00000005312	5184.071	0.08206	0.064193	1.278317
Zfp354c	ENSMUSG00000044807	376.805	0.200689	0.091979	2.181892
Socs6	ENSMUSG00000056153	772.1531	0.171176	0.071442	2.396001
Ola1	ENSMUSG00000027108	2450.412	0.162197	0.072985	2.222329
Fkbp1b	ENSMUSG00000020635	920.2339	0.131125	0.103306	1.269283
Abhd4	ENSMUSG00000040997	1322.289	0.052742	0.072545	0.727028
Ttc33	ENSMUSG00000022151	687.4094	0.032051	0.088324	0.362875
Mtch2	ENSMUSG00000111714	3365.175	0.162567	0.078944	2.059282
Arpc1a	ENSMUSG00000029621	5166.285	0.057814	0.073378	0.787887
Dclk1	ENSMUSG00000027797	3929.804	0.137608	0.108424	1.269158
Fam120c	ENSMUSG00000025262	579.4646	0.050908	0.137784	0.369473
Lrrc40	ENSMUSG00000063052	1386.503	0.097274	0.085388	1.1392
Kmt2b	ENSMUSG00000006307	1956.778	-0.04196	0.074425	-0.5638
Chmp2b	ENSMUSG00000004843	1581.175	0.181821	0.090237	2.014934
Cmip	ENSMUSG00000034390	2372.974	0.137113	0.13137	1.043719
Cap1	ENSMUSG00000028656	5158.233	0.056286	0.060001	0.938081
Mtch2	ENSMUSG00000027282	3365.175	0.162564	0.078943	2.059264
Gria4	ENSMUSG00000025892	904.436	0.109362	0.132664	0.824354
Washc4	ENSMUSG00000034560	1381.263	0.159298	0.092244	1.726927
Kat8	ENSMUSG00000030801	750.7266	-0.00069	0.071321	-0.00968
Tcf12	ENSMUSG00000032228	2916.997	0.076597	0.091354	0.838464
Wbp2	ENSMUSG00000034341	7953.462	0.075382	0.067169	1.122276
Lrrc4	ENSMUSG00000049939	83.00072	0.194562	0.145724	1.335137
Eif3k	ENSMUSG00000053565	4530.286	0.077053	0.092484	0.833153
Polr2k	ENSMUSG00000045996	600.7894	0.14564	0.105401	1.38177
Asah1	ENSMUSG00000031591	7728.631	0.104212	0.140354	0.742493
Rangrf	ENSMUSG00000032892	278.3291	0.172305	0.129497	1.330571
B3galt2	ENSMUSG00000033849	340.3462	0.033185	0.107352	0.309124
Carhsp1	ENSMUSG00000008393	5339.104	0.083026	0.073345	1.131995
Skiv2l2	ENSMUSG00000016018	2724.689	0.144682	0.063503	2.27836
Mars	ENSMUSG00000040354	4038.751	0.08783	0.130177	0.674691
Tmem50a	ENSMUSG00000028822	2574.491	0.214812	0.087654	2.450674
Ndufb2	ENSMUSG00000002416	2376.041	0.140255	0.114369	1.226337
Cdca4	ENSMUSG00000047832	835.4701	-0.01965	0.070604	-0.27834
Pomt2	ENSMUSG00000034126	2232.977	0.188244	0.069566	2.705991
Tmed10	ENSMUSG00000021248	13483.32	0.080939	0.076072	1.063975
Gorasp2	ENSMUSG00000014959	7066.614	0.144918	0.082445	1.75775
Elac2	ENSMUSG00000020549	1052.122	0.020005	0.082051	0.243808
Smc4	ENSMUSG00000034349	5386.073	0.065051	0.070016	0.92908
Gng7	ENSMUSG00000048240	432.8899	0.194689	0.107779	1.806364
Hcn2	ENSMUSG00000020331	2761.206	0.05789	0.113541	0.509861
Slco1a5	ENSMUSG00000063975	61.23004	0.112304	0.145686	0.77086
Timm8a1	ENSMUSG00000048007	540.6728	0.183285	0.134311	1.364634
Nlk	ENSMUSG00000017376	1240.926	0.008978	0.116463	0.077087
Hilpda	ENSMUSG00000043421	135.2433	-0.01435	0.14471	-0.09918
Ganab	ENSMUSG00000071650	12494.66	0.013252	0.057967	0.22861
Ywhab	ENSMUSG00000018326	9588.904	0.095906	0.063543	1.509318
Dync1li1	ENSMUSG00000032435	2149.762	0.006643	0.053083	0.125148
Gm26631	ENSMUSG00000097445	66.52695	0.211881	0.139976	1.513696
Gm10131	ENSMUSG00000063412	1697.859	0.098428	0.104157	0.944999

Myo9a	ENSMUSG00000039585	1025.916	0.044764	0.11514	0.388779
Mrpl28	ENSMUSG00000024181	3384.536	0.196654	0.098107	2.004492
Pls3	ENSMUSG00000016382	1862.073	0.288944	0.089285	3.236186
Casp3	ENSMUSG00000031628	2831.729	0.013412	0.113875	0.117778
Fam83g	ENSMUSG00000042377	3907.168	0.324806	0.106089	3.061627
Aasdhpt	ENSMUSG00000025894	813.9897	0.17498	0.077884	2.246674
Lrrc8a	ENSMUSG00000007476	741.0586	0.093734	0.096661	0.969716
Smim26	ENSMUSG00000074754	480.6149	0.077341	0.116341	0.664778
Zfp97	ENSMUSG00000095990	360.5843	0.08493	0.094367	0.89999
Dtymk	ENSMUSG00000026281	3101.514	0.071424	0.088716	0.805087
Orc5	ENSMUSG00000029012	1126.245	0.075254	0.073817	1.019465
Zbtb8b	ENSMUSG00000048485	83.4948	0.322046	0.122567	2.627502
Atxn7l2	ENSMUSG00000048997	778.8221	0.051558	0.105673	0.487899
Mdc1	ENSMUSG00000061607	4140.078	0.039553	0.108434	0.364763
Eloa	ENSMUSG00000028668	2103.776	0.017095	0.054669	0.312698
Dhx9	ENSMUSG00000042699	4674.259	-0.09981	0.125745	-0.79375
Tmem87b	ENSMUSG00000014353	1326.876	0.106624	0.110559	0.964402
Aktip	ENSMUSG00000031667	2217.24	0.187852	0.114952	1.63418
Gm21988	ENSMUSG00000040904	275.6359	0.034324	0.109698	0.312901
Per1	ENSMUSG00000020893	950.4519	-0.02759	0.110195	-0.25036
Extl3	ENSMUSG00000021978	1324.273	0.091385	0.097195	0.940224
Has3	ENSMUSG00000031910	45.12758	0.030334	0.143619	0.211212
Snrpf	ENSMUSG00000020018	1312.091	0.132902	0.11305	1.175602
Elavl1	ENSMUSG00000040028	3259.85	0.114354	0.064176	1.781879
Snn	ENSMUSG00000037972	701.6553	0.097552	0.097677	0.998728
Psmc6	ENSMUSG00000021832	3713.157	0.134764	0.068954	1.954412
Cyb5b	ENSMUSG00000031924	10837.33	0.131208	0.104274	1.258296
C1galt1	ENSMUSG00000042460	2487.112	0.015338	0.140589	0.1091
Grip1	ENSMUSG00000034813	597.1925	0.045264	0.11512	0.393188
Foxred2	ENSMUSG00000016552	1194.856	0.219459	0.083519	2.62765
Uhrf1bp1l	ENSMUSG00000019951	1578.386	0.007663	0.085912	0.0892
Synj1	ENSMUSG00000022973	2367.574	0.09701	0.105543	0.91915
Rab2a	ENSMUSG00000047187	9402.104	0.084083	0.055164	1.524238
Cinp	ENSMUSG00000021276	1581.984	0.153922	0.071503	2.152659
Ripk2	ENSMUSG00000041135	425.4423	-0.03042	0.094068	-0.3234
Fbxo2	ENSMUSG00000041556	847.3879	0.187371	0.100425	1.865791
Dcaf15	ENSMUSG00000037103	2081.681	0.16518	0.075107	2.199267
Fam168a	ENSMUSG00000029461	2252.207	0.124376	0.086021	1.445875
Pet100	ENSMUSG00000087687	534.9344	0.12864	0.119652	1.075122
Ndufb4c	ENSMUSG00000083380	939.4061	0.096216	0.109731	0.876836
Sec24a	ENSMUSG00000036391	1200.613	0.094331	0.127447	0.740157
Diaph3	ENSMUSG00000022021	1119.744	0.2283	0.085122	2.682021
Gabrq	ENSMUSG00000031344	708.8202	-0.12426	0.125254	-0.99208
Fah	ENSMUSG00000030630	883.6698	0.210865	0.12643	1.667833
Ypel2	ENSMUSG00000018427	988.626	-0.02875	0.079728	-0.36054
Fam177a	ENSMUSG00000095595	2283.68	0.070668	0.091007	0.776518
Zfp966	ENSMUSG00000089756	128.7772	-0.05626	0.145989	-0.38538
Ntrk2	ENSMUSG00000055254	17588.98	0.200718	0.111138	1.806019
Tmem18	ENSMUSG00000043061	759.4123	-0.01239	0.084338	-0.14692
Pigo	ENSMUSG00000028454	1443.75	-0.05136	0.081151	-0.63292
Eif2s3x	ENSMUSG00000035150	5280.067	0.15952	0.066108	2.413031
Usf2	ENSMUSG00000058239	3051.477	-0.05152	0.110691	-0.46544

Bzw1	ENSMUSG00000051223	8108.642	0.128158	0.088124	1.454292
Epm2aip1	ENSMUSG00000046785	3644.768	0.10509	0.076963	1.365459
Abcd2	ENSMUSG00000055782	150.926	0.12657	0.144507	0.875874
Phpt1	ENSMUSG00000036504	1258.147	0.219544	0.130794	1.678545
Tysnd1	ENSMUSG00000020087	1136.309	0.153303	0.083974	1.825597
Rps15a	ENSMUSG00000008683	6723.968	0.108179	0.113664	0.951747
Otud6b	ENSMUSG00000040550	2290.399	0.24024	0.067431	3.562735
Ran	ENSMUSG00000029430	16908.57	0.113749	0.082961	1.371115
Armc10	ENSMUSG00000038525	6047.27	0.268484	0.074782	3.590242
Gmpr2	ENSMUSG00000002326	1074.818	0.105767	0.068008	1.555211
Mmp16	ENSMUSG00000028226	66.38765	-0.00373	0.144003	-0.02588
Tial1	ENSMUSG00000030846	3748.081	-0.00436	0.060548	-0.07194
Brd3os	ENSMUSG00000109946	387.7447	-0.0009	0.104471	-0.00858
Arpc1b	ENSMUSG00000029622	812.4816	0.039436	0.087878	0.448754
2610001J0	ENSMUSG00000052419	617.3471	0.220616	0.111345	1.981374
Hsd17b12	ENSMUSG00000027195	3906.609	0.05268	0.089589	0.588022
Gm17018	ENSMUSG00000041035	928.213	0.096184	0.10584	0.908763
Derl1	ENSMUSG00000022365	5217.239	0.05082	0.087239	0.58254
Nop58	ENSMUSG00000026020	3459.981	0.137779	0.073583	1.872448
Nudt22	ENSMUSG00000037349	641.4969	0.256382	0.118457	2.164346
Bdp1	ENSMUSG00000049658	944.9711	0.12424	0.086226	1.440862
Stil	ENSMUSG00000028718	1268.612	-0.0768	0.119972	-0.64011
Col4a3bp	ENSMUSG00000021669	1467.421	0.136176	0.085164	1.598977
Pcnx	ENSMUSG00000021140	2372.79	0.03677	0.087373	0.420837
Hyls1	ENSMUSG00000050555	770.4319	0.035636	0.102548	0.347504
Cul3	ENSMUSG00000004364	5646.422	0.138547	0.071511	1.937418
Snpc2	ENSMUSG00000011837	1269.519	0.113669	0.091241	1.245811
R3hdm1	ENSMUSG00000056211	3380.092	0.059214	0.076763	0.771382
Srpr	ENSMUSG00000032042	11702.39	0.100214	0.100856	0.99363
Cpeb3	ENSMUSG00000039652	263.8602	0.172233	0.127139	1.354688
Atp6ap1	ENSMUSG00000019087	13320.35	0.046311	0.083885	0.552083
Hist2h3c1	ENSMUSG00000093769	102.4819	0.060024	0.068796	0.872487
Sart3	ENSMUSG00000018974	2355.842	0.06521	0.075112	0.868169
Chrn2	ENSMUSG00000027950	1681.574	0.110679	0.059554	1.858448
Cpeb3	ENSMUSG00000111861	263.8602	0.172233	0.127139	1.354688
Srp54c	ENSMUSG00000079108	9222.373	0.098091	0.068599	1.429914
Lsm2	ENSMUSG00000007050	1130.001	0.036085	0.095698	0.377072
Hdhd2	ENSMUSG00000025421	950.8089	0.051357	0.09543	0.538158
Arid4a	ENSMUSG00000048118	367.7811	0.017367	0.118172	0.146966
Jak1	ENSMUSG00000028530	3880.104	0.052678	0.070878	0.743215
Ptger4	ENSMUSG00000039942	59.88921	-0.01773	0.142627	-0.12434
1500011B	ENSMUSG00000072694	1247.727	0.051778	0.1292	0.400756
Azin1	ENSMUSG00000037458	5002.92	0.135751	0.096115	1.412388
Cox11	ENSMUSG00000020544	389.6737	0.205713	0.091853	2.239604
Usp14	ENSMUSG00000047879	3322.889	0.185593	0.067896	2.733473
Skp1a	ENSMUSG00000036309	6207.748	0.085313	0.084167	1.013616
Amph	ENSMUSG00000021314	1213.027	0.212758	0.088088	2.415297
Rnft1	ENSMUSG00000020521	499.4936	-0.13102	0.135769	-0.96504
Pigs	ENSMUSG00000041958	3914.791	0.150031	0.100564	1.491889
Grsf1	ENSMUSG00000044221	3796.697	-0.02542	0.072424	-0.35095
Gm14698	ENSMUSG00000071748	565.8737	0.111794	0.113805	0.982322
Prpf31	ENSMUSG00000008373	1561.383	0.161512	0.090843	1.777926

Cox5b	ENSMUSG00000061518	6725.048	0.151984	0.105401	1.441961
Dcaf12	ENSMUSG00000028436	1787.405	0.044897	0.060194	0.745863
Tmem248	ENSMUSG00000053094	3715.047	0.096708	0.092299	1.047773
Usp39	ENSMUSG000000104250	791.8509	0.046723	0.07979	0.585568
Pdcd4	ENSMUSG00000024975	3955.973	0.070055	0.092086	0.760752
Dtx2	ENSMUSG00000004947	1691.334	0.33609	0.068546	4.903132
Pten	ENSMUSG00000013663	6703.579	0.179599	0.063367	2.834276
Mdm4	ENSMUSG00000054387	2830.007	-0.03687	0.112523	-0.32763
Dgkh	ENSMUSG00000034731	176.8783	0.128033	0.111734	1.145876
Chic1	ENSMUSG00000031327	5156.122	-0.24063	0.09874	-2.43702
Lct	ENSMUSG00000026354	4205.271	0.336028	0.118473	2.836321
Hexa	ENSMUSG00000025232	13273.69	-0.05726	0.116552	-0.49125
Ezh2	ENSMUSG00000029687	2651.671	0.074113	0.065122	1.138067
Synj2bp	ENSMUSG00000090935	1648.14	0.013009	0.089122	0.145971
Lcp2	ENSMUSG00000002699	384.2472	-0.01275	0.129824	-0.09821
Cckbr	ENSMUSG00000030898	954.3972	-0.07243	0.130671	-0.55426
Gaa	ENSMUSG00000025579	18357.86	0.129075	0.079246	1.628796
Iqcb1	ENSMUSG00000022837	768.7914	0.059436	0.110622	0.537286
Gtpbp1	ENSMUSG00000042535	4331.631	0.050848	0.102349	0.496805
Lrwd1	ENSMUSG00000029703	766.0794	0.112508	0.078228	1.438199
Zfp280c	ENSMUSG00000036916	334.5892	0.043928	0.124251	0.353543
Mapk3	ENSMUSG00000063065	5760.027	0.148447	0.094575	1.569621
Trip13	ENSMUSG00000021569	558.4273	0.147566	0.077234	1.910623
Pla2g15	ENSMUSG00000031903	771.0986	0.218324	0.087609	2.492025
Gm42418	ENSMUSG00000098178	157403.9	0.027838	0.142151	0.195834
Mmgt1	ENSMUSG00000061273	3368.707	0.063004	0.075418	0.835398
Hmbox1	ENSMUSG00000021972	1050.032	0.02991	0.099252	0.301358
Gipr	ENSMUSG00000030406	1916.758	0.094531	0.144735	0.653131
Hinfp	ENSMUSG00000032119	813.6204	-0.0786	0.135632	-0.57955
Hsd3b7	ENSMUSG00000042289	1067.893	0.047065	0.086367	0.544942
Sik3	ENSMUSG00000034135	3965.814	0.179442	0.048267	3.717703
Sf1	ENSMUSG00000024949	3857.113	-0.01965	0.093754	-0.20962
Prrg2	ENSMUSG00000007837	1135.711	0.145056	0.090043	1.610969
Slc35f1	ENSMUSG00000038602	333.1983	0.078206	0.144009	0.543064
Prdm4	ENSMUSG00000035529	1362.039	0.10715	0.085654	1.250958
Orc6	ENSMUSG00000031697	3730.244	0.132668	0.073476	1.805598
Tbca	ENSMUSG00000042043	1922.689	0.171707	0.103366	1.661156
Mfap3l	ENSMUSG00000031647	761.5843	-0.07975	0.094838	-0.84091
Hnrnp1	ENSMUSG00000066037	3797.612	0.054934	0.092534	0.59366
Opa1	ENSMUSG00000038084	2376.583	0.040145	0.089278	0.44966
Ndufb9	ENSMUSG00000022354	4202.1	0.12933	0.103384	1.250965
Cntn3	ENSMUSG00000030075	324.1077	0.032128	0.137142	0.234272
Atg9a	ENSMUSG00000033124	2561.999	0.136838	0.097464	1.403975
Mid1ip1	ENSMUSG00000008035	2432.232	0.32721	0.081688	4.005606
Akap11	ENSMUSG00000022016	3583.554	0.01148	0.102339	0.112175
Zfp383	ENSMUSG00000099689	251.1701	-0.03686	0.102049	-0.36122
Rbm1	ENSMUSG00000031134	1575.359	-0.02912	0.126788	-0.22964
Nedd4l	ENSMUSG00000024589	2427.362	0.245765	0.063562	3.866529
Dctn4	ENSMUSG00000024603	2334.435	0.088062	0.082256	1.070583
Sec13	ENSMUSG00000030298	4871.109	0.121602	0.060232	2.018887
Dusp8	ENSMUSG00000037887	2418.259	-0.02754	0.12102	-0.22758
A030001D	ENSMUSG00000110357	358.0955	0.063629	0.132333	0.480825

Bmpr2	ENSMUSG00000067336	794.057	0.128677	0.085598	1.503279
Ccdc6	ENSMUSG00000048701	2715.256	0.213072	0.107182	1.987951
Usp39	ENSMUSG00000056305	791.8509	0.046723	0.07979	0.585568
Agfg1	ENSMUSG00000026159	6717.629	0.124708	0.077668	1.60566
Khgrp	ENSMUSG00000007670	3961.472	0.081769	0.09265	0.882556
Ngdn	ENSMUSG00000022204	1373.088	0.161005	0.0899	1.790942
Cenpx	ENSMUSG00000025144	961.3559	0.115245	0.113882	1.011966
Abat	ENSMUSG00000057880	3244.607	0.11694	0.14124	0.827956
Clcn3	ENSMUSG00000004319	7013.248	0.071897	0.136872	0.525285
Fstl3	ENSMUSG00000020325	138.0194	0.165117	0.116877	1.412748
Slc29a1	ENSMUSG00000023942	3999.658	0.008918	0.094652	0.094222
Tpbp	ENSMUSG00000035274	90.23077	0.024508	0.140317	0.174664
Pop4	ENSMUSG00000030423	721.1448	0.160972	0.10063	1.599646
Igfbp1	ENSMUSG00000031221	1111.823	0.089392	0.093742	0.95359
Tbp	ENSMUSG00000014767	1080.435	-0.01613	0.086031	-0.18752
Tmsb15b2	ENSMUSG00000089996	888.7866	0.024412	0.135346	0.180367
Kifap3	ENSMUSG00000026585	1794.712	0.06852	0.077267	0.886792
Cep76	ENSMUSG00000073542	1471.19	0.001823	0.092689	0.019669
Nup155	ENSMUSG00000022142	2570.878	0.047416	0.090591	0.52341
Mpp5	ENSMUSG00000021112	658.2301	0.185975	0.09271	2.005982
Atl3	ENSMUSG00000024759	3167.449	0.040491	0.106044	0.381833
Hirip3	ENSMUSG00000042606	2558.043	0.037596	0.092542	0.406254
Rab35	ENSMUSG00000029518	2065.007	0.054763	0.055666	0.983778
Smyd4	ENSMUSG00000018809	805.5582	0.141988	0.100302	1.4156
Rnf5	ENSMUSG00000015478	2527.527	0.193151	0.074096	2.606758
Psmc2	ENSMUSG00000015671	4302.341	0.114809	0.087211	1.316446
Exo5	ENSMUSG00000028629	466.8795	0.129123	0.102834	1.255646
Spcs1	ENSMUSG00000021917	7039.499	0.027452	0.08204	0.334616
Pdia4	ENSMUSG00000025823	5007.193	0.038625	0.061678	0.626228
Snrpd1	ENSMUSG00000002477	2599.846	0.126567	0.096247	1.315017
Gm38394	ENSMUSG00000094410	288.0799	0.105332	0.143475	0.734147
Iqgap2	ENSMUSG00000021676	2413.172	-0.02568	0.141482	-0.1815
Ehbp1	ENSMUSG00000042302	637.7762	0.065299	0.108322	0.602825
Sv2c	ENSMUSG00000051111	941.1907	-0.01079	0.131428	-0.08206
Ldhd	ENSMUSG00000031958	362.5903	0.066218	0.090364	0.732786
Psmc4	ENSMUSG00000005779	7219.479	0.157058	0.101761	1.543407
Tbck	ENSMUSG00000028030	729.3409	0.074859	0.090037	0.83142
Ahr	ENSMUSG00000019256	129.2	-0.06758	0.127979	-0.52807
Nudt19	ENSMUSG00000034875	2039.719	0.07859	0.106198	0.740036
Sptbn1	ENSMUSG00000020315	4958.321	0.006149	0.083357	0.073768
Nsg1	ENSMUSG00000029126	1032.862	-0.09005	0.136335	-0.66048
Rpa2	ENSMUSG00000028884	2358.352	0.227855	0.070989	3.209715
Zfp334	ENSMUSG00000017667	644.3552	0.049519	0.094688	0.522964
Tmem170	ENSMUSG00000031953	810.0298	0.091267	0.086287	1.057718
Alkbh8	ENSMUSG00000025899	714.4593	0.15405	0.098492	1.564086
Ckb	ENSMUSG00000001270	2044.932	0.048731	0.101455	0.480318
Gpaa1	ENSMUSG00000022561	3060.667	0.063069	0.060169	1.048193
Tinf2	ENSMUSG00000007589	1446.944	0.075417	0.067863	1.11132
Tnfrsf1	ENSMUSG00000017615	2504.087	0.133325	0.050475	2.641398
Grhl1	ENSMUSG00000020656	538.133	0.126715	0.135428	0.935661
Scrib	ENSMUSG00000022568	3265.089	0.220534	0.07888	2.795813
Racgap1	ENSMUSG00000023015	8780.323	0.064119	0.054088	1.185451

Rps6ka2	ENSMUSG00000023809	3735.538	0.168624	0.095075	1.773581
Tsc2	ENSMUSG00000002496	3573.653	0.137352	0.075471	1.819924
Eif1b	ENSMUSG00000006941	1801.178	0.050727	0.113052	0.448708
Rad51ap1	ENSMUSG00000030346	1668.781	-0.01157	0.121192	-0.09544
Jup	ENSMUSG00000001552	10788.75	0.110449	0.1221	0.904578
Adk	ENSMUSG00000039197	1766.292	0.089261	0.08732	1.022233
Capn1	ENSMUSG00000024942	1173.08	0.117277	0.128844	0.910224
D130043K	ENSMUSG00000006711	311.2502	0.27112	0.130614	2.075733
Cstf2t	ENSMUSG00000053536	1972.553	0.024427	0.093971	0.259946
Slc38a4	ENSMUSG00000022464	11552.24	-0.06326	0.116529	-0.54287
Atp5f1	ENSMUSG00000000563	11719.25	0.186482	0.086457	2.156931
Zfp85	ENSMUSG00000058331	77.76384	0.15551	0.126146	1.232779
Sf1	ENSMUSG00000106722	3857.213	-0.0196	0.093752	-0.20906
Slc9a3r1	ENSMUSG00000020733	1521.401	0.085106	0.071027	1.198208
Ube3a	ENSMUSG00000025326	2632.714	0.210429	0.096126	2.189099
Mkks	ENSMUSG00000027274	938.9046	0.184269	0.110184	1.672372
Terf2	ENSMUSG00000031921	1698.865	0.033157	0.087266	0.379953
9430015G	ENSMUSG00000059939	960.5451	-0.00926	0.067746	-0.13663
Cat	ENSMUSG00000027187	130.3482	0.117147	0.124187	0.943314
Hsp90ab1	ENSMUSG00000023944	50887.63	0.233709	0.060256	3.878605
Ppp1r13l	ENSMUSG00000040734	516.0444	0.105829	0.124726	0.84849
Anapc1	ENSMUSG00000014355	3443.004	0.015509	0.091798	0.168944
Cst3	ENSMUSG00000027447	4949.846	-0.08524	0.096334	-0.88489
Fam219a	ENSMUSG00000028439	4528.397	0.154052	0.089473	1.721765
Brwd1	ENSMUSG00000022914	3123.694	0.060708	0.085255	0.712072
Hipk1	ENSMUSG00000008730	2261.498	0.016063	0.106857	0.150322
Usp4	ENSMUSG00000032612	3371.394	0.215569	0.108505	1.986726
Il4	ENSMUSG00000000869	373.9269	0.101902	0.132261	0.770466
Unc79	ENSMUSG00000021198	1235.735	0.084179	0.127717	0.659105
Timm17a	ENSMUSG00000062580	2360.924	0.156514	0.087748	1.783677
Akap10	ENSMUSG00000047804	645.528	-0.04188	0.064942	-0.64493
Samd10	ENSMUSG00000038605	1649.357	0.058892	0.07884	0.746988
Dmac2	ENSMUSG00000057229	832.0653	0.110549	0.090379	1.223165
Klhl4	ENSMUSG00000025597	338.3139	0.142366	0.143775	0.990205
Snhg8	ENSMUSG00000104960	668.6138	0.181289	0.11332	1.599797
Eif2ak1	ENSMUSG00000029613	1756.597	0.031094	0.058242	0.533873
Mxi1	ENSMUSG00000025025	1135.247	-0.17312	0.14516	-1.19259
Ints13	ENSMUSG00000040250	1486.837	0.159512	0.063978	2.493209
Mbnl1	ENSMUSG00000027763	2489.958	0.07959	0.088147	0.902932
Wfs1	ENSMUSG00000039474	2761.17	0.353235	0.095526	3.697793
Cd276	ENSMUSG00000035914	268.8703	-0.07586	0.099126	-0.76525
Bcs1l	ENSMUSG00000026172	744.861	0.200058	0.088721	2.25491
Pnpla2	ENSMUSG00000025509	1649.498	0.174255	0.076173	2.287612
Ercc6l2	ENSMUSG00000021470	1295.778	-0.11519	0.08882	-1.29683
Gm14399	ENSMUSG00000090093	109.6023	0.15144	0.141337	1.071487
Rps29	ENSMUSG00000034892	7542.971	0.115994	0.111908	1.036509
Atf4	ENSMUSG00000042406	9442.097	0.050163	0.143486	0.349599
Rap2b	ENSMUSG00000036894	240.7007	0.017	0.108451	0.156753
Bbx	ENSMUSG00000022641	1821.219	0.103889	0.095439	1.088543
Ube2n-ps1	ENSMUSG00000106831	610.7496	0.053042	0.076488	0.693466
Bud13	ENSMUSG00000032077	727.78	0.31879	0.115534	2.759267
Mcmdbp	ENSMUSG00000048170	2249.221	0.139073	0.082348	1.688845

Abcb8	ENSMUSG00000028973	1443.142	0.092159	0.123378	0.746961
Igsf9b	ENSMUSG00000034275	1304.046	0.115489	0.083657	1.380501
Prmt2	ENSMUSG00000020230	926.4472	0.25737	0.092466	2.78341
Hax1	ENSMUSG00000027944	2995.104	0.129763	0.131268	0.988539
Ero1l	ENSMUSG00000021831	8230.538	-0.05684	0.142003	-0.40029
Rab5c	ENSMUSG00000019173	4820.836	0.044397	0.102593	0.432753
Wwox	ENSMUSG00000004637	777.83	0.112137	0.095486	1.174383
Cacnb2	ENSMUSG000000057914	550.4303	-0.10381	0.123544	-0.84025
Gm3488	ENSMUSG000000095295	332.1118	0.23262	0.145194	1.602136
Tmem38a	ENSMUSG000000031791	1505.328	0.165603	0.096747	1.711714
Peak1	ENSMUSG000000074305	352.8168	0.029266	0.103632	0.282401
Ndfip2	ENSMUSG000000053253	2468.979	-0.01297	0.057107	-0.2271
1810013L2	ENSMUSG000000022507	1325.538	0.100681	0.082295	1.223414
Ctdspl2	ENSMUSG000000033411	704.7657	-0.01743	0.118442	-0.14718
Tcaf1	ENSMUSG000000036667	2159.901	0.049771	0.064395	0.772899
Aco1	ENSMUSG000000028405	1956.309	0.216893	0.070145	3.092074
Ppp4c	ENSMUSG000000030697	2699.19	0.111288	0.092907	1.197838
Smim15	ENSMUSG000000071180	791.368	0.079766	0.082846	0.962818
Got2	ENSMUSG000000031672	9588.584	0.08577	0.107136	0.800567
Syt3	ENSMUSG000000030731	1048.73	0.22179	0.091379	2.427131
Sh3gl1	ENSMUSG000000003200	4463.298	0.19896	0.046576	4.271749
Mecr	ENSMUSG000000028910	739.1262	0.118672	0.105924	1.120347
Gss	ENSMUSG000000027610	478.0366	0.092531	0.136098	0.679886
Flot1	ENSMUSG000000059714	1207.823	0.044148	0.113448	0.389146
Zmynd19	ENSMUSG000000026974	1869.083	0.101252	0.084172	1.202919
Tmem184c	ENSMUSG000000036687	1325.622	0.196458	0.066075	2.97325
Ccnb1	ENSMUSG000000041431	4686.768	0.049935	0.077958	0.640533
Xrcc6	ENSMUSG000000022471	2637.399	0.160042	0.109307	1.464155
Fahd2a	ENSMUSG000000027371	353.5243	0.223146	0.117843	1.893583
Phip	ENSMUSG000000032253	3064.439	0.125383	0.104924	1.194988
Rad18	ENSMUSG000000030254	1294.143	-0.00146	0.077099	-0.01891
Tmem47	ENSMUSG000000025666	857.468	0.151836	0.121124	1.25356
Gpr85	ENSMUSG000000048216	305.0028	0.093497	0.108481	0.861876
Cenps	ENSMUSG000000073705	355.1193	0.184069	0.124879	1.473977
Taf6	ENSMUSG000000036980	2423.693	0.037867	0.05952	0.636202
Atad1	ENSMUSG000000013662	3739.491	0.082589	0.071875	1.149067
Igip	ENSMUSG000000110185	838.8126	0.095268	0.094804	1.004889
Fkbp14	ENSMUSG000000038074	523.6108	0.175956	0.126461	1.391387
Stradb	ENSMUSG000000026027	511.0793	-0.01992	0.079049	-0.25194
Cgrf1	ENSMUSG000000055128	846.0447	0.009712	0.118321	0.082082
Higd2a	ENSMUSG000000025868	1636.617	0.111949	0.101205	1.106164
Gm29084	ENSMUSG000000100750	32499.19	0.108941	0.088068	1.237011
Tkt	ENSMUSG000000021957	4637.367	0.125812	0.11084	1.13508
Rhno1	ENSMUSG000000048668	1133.947	0.036435	0.096185	0.3788
Card19	ENSMUSG000000037960	1265.962	0.117325	0.109049	1.075886
Rala	ENSMUSG000000008859	2051.271	0.144448	0.082868	1.743105
Zfp36	ENSMUSG000000044786	649.564	0.072089	0.112556	0.640473
Cdk1	ENSMUSG000000019942	7415.117	0.079544	0.072647	1.094946
Rab9	ENSMUSG000000079316	1003.581	0.146638	0.066984	2.189166
Cdc25b	ENSMUSG000000027330	4031.09	0.121651	0.091564	1.328586
Clvs1	ENSMUSG000000041216	727.4296	0.093803	0.110126	0.851772
Gatad1	ENSMUSG000000007415	2961.845	0.024966	0.064981	0.384214

Ndufa12	ENSMUSG00000020022	3335.763	0.227634	0.107132	2.124809
Golt1b	ENSMUSG00000030245	3532.538	0.068383	0.089941	0.760311
Nop56	ENSMUSG00000027405	5570.943	0.09335	0.079296	1.177233
Rtl6	ENSMUSG00000055745	717.2013	0.107046	0.112943	0.947785
Alas1	ENSMUSG00000032786	1968.855	0.083476	0.088154	0.946939
Blvra	ENSMUSG00000001999	867.437	0.213144	0.142192	1.498981
Cxxc5	ENSMUSG00000046668	4761.683	0.102789	0.052956	1.941052
Eif1	ENSMUSG00000035530	20254.94	0.027801	0.126546	0.219688
Mtfr2	ENSMUSG00000019992	473.3864	0.095112	0.079537	1.195817
Zfp941	ENSMUSG00000060314	771.8713	-0.07362	0.104091	-0.7073
Hepacam2	ENSMUSG00000044156	12028.61	0.006221	0.083011	0.074943
Nhlrc2	ENSMUSG00000025078	519.3409	0.10211	0.093925	1.087143
Stx12	ENSMUSG00000028879	4017.596	0.077765	0.076645	1.014611
Dxo	ENSMUSG00000040482	1652.616	0.137613	0.071383	1.927813
Rnf41	ENSMUSG00000025373	1382.395	0.09341	0.064476	1.448756
Sh3glb1	ENSMUSG00000037062	4660.405	0.097569	0.075713	1.288677
Nfe2l2	ENSMUSG00000015839	1632.156	-0.02089	0.072043	-0.28998
Snapc1	ENSMUSG00000021113	592.2487	0.102227	0.078163	1.307874
Scel	ENSMUSG00000022123	997.1769	0.481811	0.102063	4.720741
Idh3g	ENSMUSG00000002010	3772.694	0.093517	0.072877	1.283225
Rps27	ENSMUSG000000090733	308.4704	-0.0578	0.122232	-0.47283
Paip1	ENSMUSG00000025451	1871.383	0.002096	0.081134	0.02583
Rab14	ENSMUSG00000026878	5883.707	0.107475	0.064302	1.671421
Zwilch	ENSMUSG00000032400	1198.524	0.059687	0.073783	0.808956
P3h1	ENSMUSG00000028641	997.1435	0.275954	0.132379	2.084582
Klhl28	ENSMUSG00000020948	116.6559	0.114104	0.145182	0.785941
Zfp131	ENSMUSG000000094870	1564.759	0.056282	0.115427	0.487602
Mtss1	ENSMUSG00000022353	3122.672	0.081233	0.121458	0.668812
Fbxo16	ENSMUSG00000034532	368.2168	0.158538	0.093125	1.702423
Arl2	ENSMUSG00000024944	2026.022	0.077887	0.116762	0.667055
Ubl7	ENSMUSG00000055720	1823.315	0.138657	0.080611	1.720087
Epc2	ENSMUSG00000069495	1208.361	-0.08627	0.11109	-0.7766
Pogz	ENSMUSG00000038902	1756.051	-0.03623	0.089529	-0.40466
Zfp791	ENSMUSG00000074194	202.1773	-0.0206	0.099425	-0.20721
Samd12	ENSMUSG00000058656	46.63798	0.16553	0.145993	1.133816
Actr10	ENSMUSG00000021076	4426.961	0.103251	0.086887	1.188333
Rc3h2	ENSMUSG00000075376	2902.486	0.166499	0.090653	1.836661
Cpeb4	ENSMUSG00000020300	2529.068	0.010835	0.134828	0.080358
Eef1d	ENSMUSG00000055762	4684.418	0.243988	0.105659	2.309199
Farsb	ENSMUSG00000026245	2621.712	0.220049	0.076053	2.893364
Trim9	ENSMUSG00000021071	780.1316	0.19759	0.14574	1.35577
Cacna1b	ENSMUSG00000004113	680.8284	0.13265	0.128405	1.033058
Gen1	ENSMUSG00000051235	353.0325	0.047189	0.123016	0.383603
Rbpms	ENSMUSG00000031586	1964.119	0.185692	0.120253	1.544177
Fam118b	ENSMUSG00000050471	695.8627	0.036842	0.095522	0.38569
Morf4l1	ENSMUSG00000062270	14743.53	0.119242	0.069848	1.707167
Slc25a42	ENSMUSG00000002346	760.2458	0.142265	0.082539	1.723616
Nabp2	ENSMUSG00000025374	2639.897	0.143126	0.084451	1.694774
Nop10	ENSMUSG00000027133	2068.324	0.031624	0.103257	0.306261
Pex10	ENSMUSG00000029047	585.1752	0.212565	0.095651	2.222301
Gtf2f1	ENSMUSG00000002658	2407.89	0.063316	0.079001	0.801467
Hey2	ENSMUSG00000019789	105.0327	-0.00552	0.139399	-0.0396

Klhl36	ENSMUSG00000031828	314.4257	0.120738	0.109656	1.101068
Immt	ENSMUSG00000052337	5915.93	0.161973	0.075864	2.135027
Rasl11a	ENSMUSG00000029641	147.4905	0.058912	0.135239	0.435612
Tonsl	ENSMUSG00000059323	4292.36	0.11593	0.099975	1.159598
Brip1os	ENSMUSG00000085208	7591.921	0.053409	0.05291	1.00943
Hist3h2ba	ENSMUSG00000056895	687.7247	0.027171	0.145994	0.186107
Ccser2	ENSMUSG00000058690	1270.359	0.128011	0.103533	1.236424
Capza1	ENSMUSG00000070372	3234.186	0.0887	0.062531	1.418498
Clpp	ENSMUSG00000002660	1518.203	0.030596	0.093775	0.326276
Rogdi	ENSMUSG00000022540	3412.281	0.200274	0.094962	2.108979
Foxg1	ENSMUSG00000020950	85.24675	-0.05795	0.140823	-0.41153
Mblac2	ENSMUSG00000051098	412.2728	0.286839	0.111193	2.579652
Fnip2	ENSMUSG00000061175	850.3094	0.04772	0.134176	0.355656
Qpctl	ENSMUSG00000030407	1356.734	0.079962	0.098066	0.815392
Tab2	ENSMUSG00000015755	3530.743	0.107097	0.069515	1.540633
Zfp40	ENSMUSG00000002617	273.6751	0.138606	0.100118	1.384421
Tbc1d22a	ENSMUSG00000051864	873.6979	0.220103	0.066641	3.302843
Spred1	ENSMUSG00000027351	273.347	0.030539	0.128833	0.237046
Cnot11	ENSMUSG00000003135	1273.809	0.043464	0.067319	0.645645
Zfp68	ENSMUSG00000058291	1644.573	0.004527	0.077352	0.058529
Purb	ENSMUSG00000094483	8582.959	0.07845	0.08401	0.933821
Ube2e1	ENSMUSG00000021774	1556.147	0.075143	0.064694	1.161509
Diexf	ENSMUSG00000016181	343.0464	0.255839	0.109815	2.329718
Srbd1	ENSMUSG00000024135	912.9055	0.120222	0.098272	1.223361
Brd7	ENSMUSG00000031660	2363.794	-0.03254	0.090059	-0.36136
Aff1	ENSMUSG00000029313	1836.303	0.121517	0.089061	1.364425
Ppp1ccb	ENSMUSG000000100153	1138.204	0.060678	0.145957	0.415726
Sp8	ENSMUSG00000048562	198.5423	-0.05301	0.136006	-0.38976
Cox7a1	ENSMUSG00000074218	369.3422	0.135836	0.142118	0.955795
B3galnt1	ENSMUSG00000043300	776.8732	-0.03851	0.140838	-0.27342
Cul2	ENSMUSG00000024231	1045.051	0.048726	0.080486	0.605396
Klhl8	ENSMUSG00000029312	440.2963	0.174788	0.105089	1.663233
Pdcd10	ENSMUSG00000027835	1671.223	0.071372	0.065151	1.095488
Stat5a	ENSMUSG00000004043	578.8482	0.183862	0.121823	1.509262
Fam222b	ENSMUSG00000037750	947.3981	-0.04642	0.075266	-0.61674
Alkbh4	ENSMUSG00000039754	241.9377	0.162736	0.106147	1.533122
Cdc16	ENSMUSG00000038416	3237.942	0.116323	0.071757	1.621065
Mfsd8	ENSMUSG00000025759	420.5646	0.020236	0.10497	0.192777
Snx9	ENSMUSG00000002365	969.1643	0.258577	0.100004	2.585656
Usp34	ENSMUSG00000056342	5039.549	-0.00452	0.107089	-0.04218
Dck	ENSMUSG00000029366	3039.177	-0.04867	0.08864	-0.54908
Gns	ENSMUSG00000034707	11094.66	0.163946	0.087351	1.87685
Ubp2	ENSMUSG00000028433	3768.947	0.035049	0.086385	0.405728
Tnfrsf23	ENSMUSG00000037613	1629.847	-0.07802	0.128179	-0.60871
Gins2	ENSMUSG00000031821	1265.997	0.347032	0.100729	3.445194
Rtn4r	ENSMUSG00000043811	96.78619	0.088028	0.131568	0.669072
Rpa1	ENSMUSG00000000751	8488.381	0.138321	0.069397	1.993195
Gnl3l	ENSMUSG00000025266	3842.779	0.146178	0.093299	1.566762
Mrpl50	ENSMUSG00000044018	1570.886	0.091186	0.077892	1.170661
Tgs1	ENSMUSG00000028233	832.2858	-0.00061	0.114924	-0.00532
Mpst	ENSMUSG00000071711	688.2737	0.207381	0.08523	2.433201
Baiap2l1	ENSMUSG00000038859	1983.56	0.184511	0.094051	1.961822

Pim1	ENSMUSG00000024014	347.4604	0.068924	0.117635	0.585915
Med24	ENSMUSG00000017210	2254.039	0.130422	0.084987	1.534602
Hacd3	ENSMUSG00000033629	4449.071	0.137655	0.05515	2.496
Strip1	ENSMUSG00000014601	2175.411	0.137756	0.106745	1.290518
Usmg5	ENSMUSG00000071528	5596.111	0.174397	0.097715	1.784743
Mcm2	ENSMUSG00000002870	10034.07	0.098023	0.062956	1.557012
Rpl36	ENSMUSG00000057863	3877.006	0.147132	0.116414	1.26387
Ncapg2	ENSMUSG00000042029	3993.181	0.091637	0.113995	0.803869
Rps13	ENSMUSG00000090862	8104.492	0.154412	0.104078	1.483617
Npm1	ENSMUSG00000057113	14876.13	0.157664	0.089074	1.770025
Rwdd1	ENSMUSG00000019782	2871.108	0.172283	0.121065	1.423061
Nrcam	ENSMUSG00000020598	7373.693	0.145663	0.140811	1.034455
N4bp2l2	ENSMUSG00000029655	1765.355	0.179721	0.08243	2.180274
Dpm2	ENSMUSG00000026810	1578.885	0.032599	0.093855	0.347331
Lamp2	ENSMUSG00000016534	9639.281	-0.00832	0.112153	-0.07415
Mbnl2	ENSMUSG00000022139	3019.158	0.122583	0.120677	1.0158
Lhfp15	ENSMUSG00000062252	358.3037	0.132022	0.11297	1.168646
Mrpl22	ENSMUSG00000020514	544.2099	0.00469	0.109119	0.042983
Hnrnpdl	ENSMUSG00000029328	7356.887	0.073311	0.069204	1.059341
Pik3c2a	ENSMUSG00000030660	3260.927	0.138946	0.121592	1.142716
Scamp1	ENSMUSG00000021687	2885.534	0.083227	0.056585	1.470838
Ube2n	ENSMUSG00000074781	4777.603	0.087328	0.090462	0.965352
Rtn4r	ENSMUSG00000111113	96.78619	0.088028	0.131568	0.669072
Hipk3	ENSMUSG00000027177	4367.802	-0.02173	0.104228	-0.20849
Fbxo9	ENSMUSG00000001366	1383.229	-0.00981	0.065281	-0.1503
Il17rd	ENSMUSG00000040717	179.4638	0.161327	0.127315	1.267144
Slc30a1	ENSMUSG00000037434	189.7676	0.155556	0.141783	1.097146
Wdr36	ENSMUSG00000038299	1681.749	0.05776	0.064057	0.9017
Tmx3	ENSMUSG00000024614	2339.415	0.047721	0.085366	0.55901
Matr3	ENSMUSG00000037236	6744.62	0.095848	0.095922	0.999233
Rnaseh2c	ENSMUSG00000024925	1367.863	0.136791	0.116819	1.17096
Vta1	ENSMUSG00000019868	1612.479	0.084682	0.081045	1.044883
Psm10	ENSMUSG00000031429	594.2806	0.120542	0.098266	1.226688
Afg3l2	ENSMUSG00000024527	2653.469	0.17984	0.05826	3.086866
Grn	ENSMUSG00000034708	8558.403	0.111131	0.120858	0.91952
Prkd1	ENSMUSG00000002688	1005.475	0.039149	0.108822	0.359752
Phtf2	ENSMUSG00000039987	671.12	0.034882	0.098835	0.352932
Mcp1	ENSMUSG00000039842	572.4884	0.100802	0.100877	0.99926
Asphd2	ENSMUSG00000029348	628.5975	0.073987	0.099867	0.740852
Hist1h4h	ENSMUSG00000060981	98.64306	0.126473	0.145297	0.87044
Parpbp	ENSMUSG00000035365	706.8652	-0.01492	0.076506	-0.19498
Psmg2	ENSMUSG00000024537	1348.284	0.094755	0.096658	0.980313
Zfp35	ENSMUSG00000063281	933.5996	0.037833	0.076546	0.494251
Smpd4	ENSMUSG00000005899	1722.753	0.095261	0.103434	0.920977
Psm5	ENSMUSG00000022193	4546.682	0.140739	0.094692	1.486282
Ralgps2	ENSMUSG00000026594	1196.62	0.129414	0.112926	1.146009
B4galt3	ENSMUSG00000052423	2157.779	0.039861	0.083939	0.474878
1110038B1	ENSMUSG00000092203	597.6384	0.12093	0.136508	0.885879
Rpl27-ps3	ENSMUSG00000073640	7577.574	0.08965	0.100339	0.893479
Nabp1	ENSMUSG00000026107	809.3423	-0.11349	0.12733	-0.89133
Msantd4	ENSMUSG00000041124	2026.686	0.117257	0.057415	2.042279
Ssc5d	ENSMUSG00000035279	235.4243	0.264755	0.145452	1.820227

Ppp1r15b	ENSMUSG00000046062	3717.448	0.018236	0.115594	0.157756
Sh2d5	ENSMUSG00000045349	459.6346	0.136405	0.120127	1.135506
Gprc5b	ENSMUSG00000008734	475.8523	-0.13232	0.134323	-0.98506
Uhrf1bp1	ENSMUSG00000039512	1296.614	0.075694	0.076003	0.995928
Spryd4	ENSMUSG000000051346	408.3648	0.211944	0.09471	2.237806
Mau2	ENSMUSG000000031858	3033.254	0.157374	0.087094	1.80694
Prc1	ENSMUSG00000038943	6426.324	-0.02918	0.060478	-0.48245
Ireb2	ENSMUSG000000032293	3426.408	0.010635	0.108311	0.098191
Ndufaf6	ENSMUSG000000050323	340.7965	0.304486	0.124227	2.451041
Umps	ENSMUSG000000022814	3397.244	0.055955	0.064158	0.872155
Smap2	ENSMUSG000000032870	8204.909	0.197128	0.066358	2.970655
Ubb	ENSMUSG000000019505	62829.87	0.018043	0.087094	0.207163
Bub3	ENSMUSG000000066979	5367.945	0.103056	0.067556	1.525498
Btbd7	ENSMUSG000000041702	314.7552	0.073419	0.134185	0.547148
Nsd3	ENSMUSG000000054823	1719.376	-0.01736	0.100352	-0.17296
Efcab2	ENSMUSG000000026495	197.9805	0.219322	0.145782	1.504456
Tmem33	ENSMUSG000000037720	2032.248	0.034076	0.103194	0.330214
Ero1lb	ENSMUSG000000057069	34057.88	0.115481	0.100313	1.151201
Pnma2	ENSMUSG000000046204	480.4919	0.20901	0.106003	1.971728
Iqsec3	ENSMUSG000000040797	1473.872	-0.04163	0.100061	-0.41608
Lmtk2	ENSMUSG000000038970	2088.753	0.046714	0.095087	0.491277
Shcbp1	ENSMUSG000000022322	1850.312	0.138134	0.062244	2.219217
Pom121	ENSMUSG000000053293	4004.793	0.07213	0.079681	0.905234
Abca5	ENSMUSG000000018800	1880.695	-0.11543	0.105288	-1.09633
Flvcr1	ENSMUSG000000066595	420.6204	0.14329	0.09542	1.501683
Snap47	ENSMUSG000000009894	3565.246	0.168982	0.079736	2.119273
Acadsb	ENSMUSG000000030861	2010.162	0.266577	0.080912	3.294649
Lcor	ENSMUSG000000025019	88.89638	-0.01967	0.145626	-0.1351
Nrbp1	ENSMUSG000000029148	2302.779	0.137562	0.093426	1.472422
Gm10177	ENSMUSG000000090136	4618.758	0.130046	0.107602	1.208592
Stt3b	ENSMUSG000000032437	5236.701	0.121412	0.093858	1.293576
Vps33b	ENSMUSG000000030534	718.3355	0.231422	0.089899	2.574245
Cnot2	ENSMUSG000000020166	1843.183	-0.00556	0.07963	-0.06984
Fam161b	ENSMUSG000000021234	225.0855	0.275715	0.098831	2.789777
Rngtt	ENSMUSG000000028274	1010.475	0.100792	0.080536	1.251508
Bbs4	ENSMUSG000000025235	527.1577	0.139774	0.11977	1.167022
Rnf19a	ENSMUSG000000022280	1380.92	0.02737	0.075435	0.362825
Rpusd1	ENSMUSG000000041199	703.5431	0.168658	0.102424	1.646673
Cog2	ENSMUSG000000031979	1372.946	0.127444	0.073904	1.72445
Tsg101	ENSMUSG000000014402	4942.14	0.050495	0.07492	0.673985
Eif2ak4	ENSMUSG000000005102	538.9939	-0.02143	0.08745	-0.24509
Zc2hc1a	ENSMUSG000000043542	596.0867	0.025983	0.106373	0.244263
Chaf1b	ENSMUSG000000022945	5890.964	0.075761	0.113485	0.667581
Zfp560	ENSMUSG000000045519	270.7477	0.081221	0.122092	0.665246
Wasf1	ENSMUSG000000019831	934.547	0.187499	0.077755	2.411396
Ccdc186	ENSMUSG000000035173	1035.813	0.030382	0.107138	0.28358
Drg2	ENSMUSG000000020537	2664.05	0.119941	0.074138	1.617805
Tmem41b	ENSMUSG000000047554	2665.661	0.107056	0.126109	0.848918
Tmed5	ENSMUSG000000063406	1321.248	0.164824	0.091656	1.798296
Ndufs6	ENSMUSG000000021606	1974.444	0.072994	0.112189	0.650633
Ube2c	ENSMUSG000000001403	6484.141	-0.05066	0.089911	-0.56349
Snhg6	ENSMUSG000000098234	475.9521	0.118808	0.13173	0.901908

Ino80e	ENSMUSG00000030689	2322.789	0.126564	0.080582	1.570626
Gspt1	ENSMUSG00000062203	4282.592	0.191846	0.086259	2.224056
Slc4a1ap	ENSMUSG00000029141	888.6431	0.168338	0.112509	1.496226
Dsp	ENSMUSG00000054889	1128.58	-0.03381	0.14071	-0.24025
Gcat	ENSMUSG00000006378	4869.586	0.300941	0.084634	3.55579
Rasa1	ENSMUSG00000021549	1730.79	0.114628	0.064891	1.766462
Gm12671	ENSMUSG00000095937	4683.783	-0.01779	0.06203	-0.28679
Gm10359	ENSMUSG00000094708	4683.875	-0.01779	0.06203	-0.28674
S100a10	ENSMUSG00000041959	3772.352	0.10624	0.103436	1.027113
Car13	ENSMUSG00000027555	232.4397	0.200529	0.120347	1.666254
Col6a3	ENSMUSG00000048126	1688.449	0.283921	0.133942	2.119736
Nefl	ENSMUSG00000022055	16120.01	0.236103	0.079284	2.977949
Dsn1	ENSMUSG00000027635	872.3757	0.079387	0.105765	0.750597
Fndc3a	ENSMUSG00000033487	5175.99	-0.02516	0.106133	-0.23706
Plk4	ENSMUSG00000025758	1404.782	0.088571	0.080989	1.093618
Kpna2	ENSMUSG00000018362	10939.47	0.050895	0.053307	0.954755
Agpat1	ENSMUSG00000034254	3532.969	0.060365	0.064029	0.942766
Rrs1	ENSMUSG00000061024	879.8024	0.099429	0.067935	1.46359
Coa4	ENSMUSG00000044881	247.1125	0.107707	0.133585	0.806279
Slc30a1	ENSMUSG00000110850	189.7676	0.155556	0.141783	1.097146
G2e3	ENSMUSG00000035293	2201.964	0.013211	0.114623	0.115253
Pde1c	ENSMUSG00000004347	6196.644	0.080249	0.089707	0.894567
Cdc23	ENSMUSG00000024370	2248.352	0.104432	0.093142	1.121219
Mthfd1	ENSMUSG00000021048	4348.274	0.224627	0.078525	2.860579
Strn	ENSMUSG00000024077	1084.384	0.05537	0.094733	0.584486
Armh3	ENSMUSG00000039901	568.5158	0.10307	0.103446	0.99636
Tbc1d8b	ENSMUSG00000042473	1476.103	0.047494	0.137675	0.344973
Tmem62	ENSMUSG00000054484	805.5361	-0.02849	0.094598	-0.30114
Rab18	ENSMUSG00000073639	3334.443	0.080131	0.073378	1.092031
Ing3	ENSMUSG00000029670	587.3142	-0.03006	0.118989	-0.2526
Abhd12	ENSMUSG00000032046	1880.192	0.14985	0.078657	1.90512
Slc25a29	ENSMUSG00000021265	922.7098	0.223307	0.120282	1.856527
Nup205	ENSMUSG00000038759	3591.095	0.051541	0.068449	0.752977
Dctn6	ENSMUSG00000031516	1667.781	-0.01206	0.093296	-0.12932
Sap18	ENSMUSG00000021963	1672.898	0.067066	0.089317	0.750881
Ppm1d	ENSMUSG00000020525	1339.462	0.066356	0.121922	0.544246
Mtap	ENSMUSG00000062937	1020.315	0.14518	0.060474	2.400693
Mcm4	ENSMUSG00000022673	5453.972	0.094017	0.07794	1.206272
Hk1	ENSMUSG00000037012	1542.587	0.217053	0.145925	1.487428
Sptssa	ENSMUSG00000044408	1630.217	0.097221	0.064755	1.501368
Rps20	ENSMUSG00000028234	8261.058	0.140178	0.113405	1.236081
Pitpna	ENSMUSG00000017781	4869.494	0.132427	0.079717	1.661219
Smim18	ENSMUSG00000094500	405.468	0.01684	0.126079	0.133564
Lsm11	ENSMUSG00000044847	282.0501	0.096044	0.118354	0.811498
Tmem29	ENSMUSG00000041353	288.6091	0.186875	0.090205	2.071655
Tpgs2	ENSMUSG00000024269	1112.176	0.172805	0.124784	1.384836
Lrch4	ENSMUSG00000093445	697.1705	0.119216	0.124685	0.956141
Caml	ENSMUSG00000021501	1025.125	0.156034	0.088432	1.764446
Elovl5	ENSMUSG00000032349	10102.94	-0.0453	0.105948	-0.42758
Tmem65	ENSMUSG00000062373	5657.641	0.088119	0.121917	0.722779
6720489N	ENSMUSG00000072066	488.2888	0.182449	0.104096	1.752704
St13	ENSMUSG00000022403	4737.804	0.178851	0.107345	1.66613

Tmem219	ENSMUSG00000060538	922.7682	-0.02373	0.107841	-0.22005
Rpl15-ps3	ENSMUSG00000061167	6054.041	0.10744	0.104449	1.028641
Cnep1r1	ENSMUSG00000036810	1711.395	0.075396	0.100036	0.753693
Tmed2	ENSMUSG00000029390	15609.1	0.018529	0.080077	0.231393
Alg3	ENSMUSG00000033809	1142.058	-0.04281	0.0746	-0.57384
Ncoa7	ENSMUSG00000039697	1023.186	0.111921	0.110294	1.014756
Dnajb12	ENSMUSG00000020109	1616.246	-0.03403	0.075499	-0.45071
Usf3	ENSMUSG00000068284	848.0477	-0.00461	0.081025	-0.05693
Kif13b	ENSMUSG00000060012	627.9977	0.227572	0.143852	1.581986
Ddx39	ENSMUSG00000005481	3107.58	0.067494	0.122686	0.550133
Kif18b	ENSMUSG000000051378	1803.779	-0.05236	0.083537	-0.62679
Psmd4	ENSMUSG00000005625	3695.96	0.17083	0.090967	1.877933
Gm45716	ENSMUSG00000110344	433.7163	0.133329	0.143905	0.926508
Vti1b	ENSMUSG000000021124	2527.634	0.18725	0.105431	1.776045
Bcap31	ENSMUSG00000002015	4741.071	0.098183	0.083706	1.172939
Asnsd1	ENSMUSG00000026095	1985.986	0.084804	0.095821	0.885018
Cmss1	ENSMUSG000000022748	552.5333	0.22676	0.082994	2.732242
Rdx	ENSMUSG000000032050	5301.885	0.135856	0.086823	1.564742
Dnaja4	ENSMUSG000000032285	1243.358	0.007749	0.121875	0.063578
Pcyox1l	ENSMUSG000000024579	516.5789	-0.08762	0.099698	-0.8789
Patl1	ENSMUSG000000046139	1592.038	0.046167	0.108651	0.424909
Btbd10	ENSMUSG000000038187	1399.431	0.222476	0.063988	3.476857
Ndufa6	ENSMUSG000000022450	2701.468	0.154652	0.111709	1.384408
Rfc4	ENSMUSG000000022881	2081.604	0.173071	0.095865	1.805359
Fam58b	ENSMUSG000000049489	591.5061	0.124882	0.098479	1.268109
Ppox	ENSMUSG000000062729	1123.455	0.131451	0.079104	1.661745
Prnp	ENSMUSG000000079037	25105.96	0.140406	0.063195	2.221811
Rnf2	ENSMUSG000000026484	1449.844	0.057143	0.084805	0.67382
Itfg1	ENSMUSG000000031703	9625.449	0.030116	0.063636	0.473255
Ifi30	ENSMUSG000000031838	8810.55	0.041534	0.126458	0.328438
Ttl	ENSMUSG000000027394	665.4996	0.113615	0.075531	1.504222
Lrig2	ENSMUSG000000032913	689.6945	0.112569	0.082221	1.369099
Ankrd27	ENSMUSG000000034867	681.3157	0.220076	0.082431	2.669822
Cab39l	ENSMUSG000000021981	1178.588	0.064859	0.093984	0.690108
Ncam1	ENSMUSG000000039542	10089.11	0.106643	0.132117	0.807185
Kif21a	ENSMUSG000000022629	2269.345	0.14015	0.09596	1.460494
Ptges3	ENSMUSG000000071072	6510.61	0.131023	0.064102	2.043984
Acox1	ENSMUSG000000020777	3927.5	0.13228	0.066261	1.996354
Dmpk	ENSMUSG000000030409	3950.082	0.368607	0.117015	3.150082
Trim59	ENSMUSG000000034317	1490.698	0.015296	0.077713	0.196823
Pdxk	ENSMUSG000000032788	1426.798	0.452157	0.070276	6.434033
Hic2	ENSMUSG000000050240	224.4798	0.049454	0.102915	0.480533
Pigu	ENSMUSG000000038383	1744.25	0.065199	0.068067	0.957857
Impdh2	ENSMUSG000000062867	6372.847	0.217953	0.069962	3.1153
Ndufab1	ENSMUSG000000030869	3562.93	0.157085	0.100312	1.565968
39326	ENSMUSG000000001833	4431.376	0.101972	0.077542	1.315061
Cdt1	ENSMUSG000000006585	2575.349	0.115691	0.072362	1.598779
Ssr4	ENSMUSG000000002014	11906.58	0.117881	0.099898	1.180011
1700037C1	ENSMUSG000000005983	359.7349	-0.02751	0.139273	-0.19755
Lmbrd2	ENSMUSG000000039704	220.4965	0.081616	0.14563	0.560432
Sf3b4	ENSMUSG000000068856	3312.405	0.099896	0.070113	1.424794
Pafah1b3	ENSMUSG000000005447	2312.972	0.196524	0.098442	1.996336

Gtf3c4	ENSMUSG00000035666	3368.351	0.158055	0.13277	1.190442
St6gal1	ENSMUSG00000022885	70.65058	0.015745	0.145627	0.108119
Crip2	ENSMUSG00000006356	834.7465	0.124927	0.091217	1.369567
Rbm26	ENSMUSG00000022119	1372.704	0.122843	0.086189	1.425279
Arl8b	ENSMUSG00000030105	6157.876	0.054483	0.110643	0.492426
Ppp2r5c	ENSMUSG00000017843	3015.007	0.126085	0.072321	1.743419
Bad	ENSMUSG00000024959	1516.571	0.296532	0.104286	2.843462
Stim2	ENSMUSG00000039156	1342.286	0.171593	0.08408	2.040842
Psm4	ENSMUSG00000032301	4275.924	0.10778	0.092016	1.171321
Ppp2r5e	ENSMUSG00000021051	1640.803	0.103098	0.074937	1.3758
Emc1	ENSMUSG00000078517	2171.972	0.130126	0.057801	2.251277
Abce1	ENSMUSG00000058355	6242.091	0.052448	0.121768	0.430717
Ncoa4	ENSMUSG00000056234	3304.569	0.106927	0.092583	1.154927
Nutf2	ENSMUSG00000008450	1692.27	0.172456	0.085585	2.015016
Ppfia2	ENSMUSG00000053825	969.4704	0.304529	0.111622	2.728222
Zfp52	ENSMUSG00000051341	426.8522	0.078144	0.080487	0.970888
Abcd3	ENSMUSG00000028127	4423.061	0.117349	0.115838	1.013044
Dicer1	ENSMUSG00000041415	2540.775	0.013585	0.080849	0.168035
Pqbp1	ENSMUSG00000031157	2346.707	0.22934	0.078636	2.91648
Wdr47	ENSMUSG00000040389	1161.466	0.100022	0.110139	0.908145
Adck1	ENSMUSG00000021044	567.3171	0.192842	0.085835	2.246665
Pea15a	ENSMUSG00000013698	4997.008	0.169217	0.09941	1.702222
Rps24	ENSMUSG00000025290	15754.55	0.10903	0.100866	1.080944
Aif1l	ENSMUSG00000001864	40.67892	0.216658	0.145913	1.484841
Pgrmc1	ENSMUSG00000006373	3436.857	0.043623	0.085118	0.512505
Cltrn	ENSMUSG00000015401	7412.052	0.10225	0.129014	0.792545
Cks2	ENSMUSG00000062248	1942.591	0.03757	0.110452	0.340149
Rbm45	ENSMUSG00000042369	845.6016	0.079201	0.067792	1.1683
Zbtb26	ENSMUSG00000050714	488.1866	0.002498	0.112314	0.022242
Ifitm2	ENSMUSG00000060591	2094.384	0.106209	0.112519	0.943926
Hells	ENSMUSG00000025001	3986.416	0.137674	0.104004	1.323733
Prrc2c	ENSMUSG00000040225	4376.8	-0.00171	0.102605	-0.01671
Pusl1	ENSMUSG00000051557	291.633	0.288797	0.087649	3.294934
Klhd3	ENSMUSG00000063576	2657.84	0.137179	0.056789	2.415591
Nbdy	ENSMUSG00000086316	1863.134	0.171034	0.106041	1.612909
Zfp628	ENSMUSG00000074406	605.3671	0.011887	0.101028	0.117657
Tmco1	ENSMUSG00000052428	2924.924	0.01025	0.073983	0.138544
Ctr9	ENSMUSG00000005609	1841.686	0.105759	0.068077	1.553529
Tspan6	ENSMUSG00000067377	865.1266	0.098376	0.098432	0.999431
Zbed3	ENSMUSG00000041995	926.8632	0.168975	0.069738	2.42299
Gng12	ENSMUSG00000036402	58762.6	0.059538	0.062102	0.958725
Dpysl2	ENSMUSG00000022048	4030.408	0.244719	0.093054	2.629856
Dpp7	ENSMUSG00000026958	1600.543	0.084616	0.14493	0.583839
Ube2s	ENSMUSG00000060860	15516.5	0.147862	0.090657	1.631006
Nckap1	ENSMUSG00000027002	12858.27	0.013644	0.067732	0.201437
Tcea1	ENSMUSG00000033813	4587.094	0.100872	0.06947	1.452034
Rab33b	ENSMUSG00000027739	1343.773	0.235842	0.081944	2.878074
Chp1	ENSMUSG00000014077	2930.382	0.058374	0.055316	1.055277
Nsa2	ENSMUSG00000060739	3295.297	0.104792	0.086564	1.21058
Lin9	ENSMUSG00000058729	1149.535	0.10523	0.067219	1.565463
Cln8	ENSMUSG00000026317	688.3317	0.071146	0.121564	0.58525
Idh1	ENSMUSG00000025950	1812.143	0.145218	0.098079	1.480618

Ndufs8	ENSMUSG00000059734	2282.281	0.143641	0.106519	1.348497
Zbtb38	ENSMUSG00000040433	792.7901	0.111577	0.121921	0.91516
Zfp207	ENSMUSG00000017421	5011.093	0.056413	0.075509	0.747094
mt-Cytb	ENSMUSG00000064370	191118	0.129784	0.044313	2.928833
Kdelr2	ENSMUSG00000079111	7612.291	0.089576	0.060984	1.46884
Mapk1ip1l	ENSMUSG00000021840	2627.806	0.139508	0.08173	1.706935
Tollip	ENSMUSG00000025139	5576.975	0.256544	0.117005	2.192592
Mavs	ENSMUSG00000037523	372.9356	0.164777	0.087952	1.873488
Jmjd4	ENSMUSG00000036819	422.2673	0.228978	0.085636	2.673856
4930513N	ENSMUSG00000074136	51.91258	0.258581	0.143239	1.805242
Glt1d1	ENSMUSG00000049971	826.8719	0.113169	0.078093	1.449154
Rab9b	ENSMUSG00000043463	592.0263	0.186904	0.114853	1.627332
Zc3hav1l	ENSMUSG00000047749	361.6968	0.015707	0.09115	0.172323
Sfxn3	ENSMUSG00000025212	535.444	0.285216	0.089608	3.182948
Tk1	ENSMUSG00000025574	2750.602	0.33969	0.080324	4.228975
Pdp2	ENSMUSG00000048371	588.2509	0.258166	0.145977	1.768542
Sc5d	ENSMUSG00000032018	2067.071	0.257359	0.116546	2.208208
Gpx1	ENSMUSG00000063856	2546.831	0.0089	0.138651	0.064191
Rps18	ENSMUSG00000008668	11506.95	0.163925	0.101566	1.613977
Laptm4a	ENSMUSG00000020585	8427.176	-0.00594	0.079288	-0.07497
Rps10	ENSMUSG00000052146	9714.669	0.142722	0.105728	1.349906
Kif24	ENSMUSG00000028438	834.5062	0.192185	0.120593	1.59367
Eif5b	ENSMUSG00000026083	3814.286	0.03754	0.104663	0.358674
Fam208b	ENSMUSG00000033799	1911.053	0.020135	0.126057	0.159729
Dcp2	ENSMUSG00000024472	1293.48	0.10177	0.110292	0.922729
Prdm12	ENSMUSG00000079466	971.5928	0.24768	0.144965	1.70855
Plgrkt	ENSMUSG00000016495	828.7441	0.12017	0.095197	1.262335
Epdr1	ENSMUSG00000002808	831.6166	0.086788	0.123148	0.704744
Tox3	ENSMUSG00000043668	1905.356	0.034935	0.131956	0.264747
Qk	ENSMUSG00000062078	841.0297	-0.06158	0.136279	-0.45186
Fastkd1	ENSMUSG00000027086	445.8972	0.049901	0.091694	0.544214
Tamm41	ENSMUSG00000030316	618.1296	0.260144	0.077158	3.371588
ldh2	ENSMUSG00000030541	7497.722	0.142917	0.067857	2.106149
Fbxo28	ENSMUSG00000047539	1414.949	0.07017	0.064252	1.092108
Srp9	ENSMUSG00000026511	3595.206	0.193854	0.091787	2.111999
Nhp2	ENSMUSG00000001056	1100.079	0.258051	0.118309	2.181166
Hspe1	ENSMUSG00000073676	3120.098	0.235023	0.113603	2.068814
Prss8	ENSMUSG00000030800	119.0877	0.228618	0.131718	1.735669
Eif2b5	ENSMUSG00000003235	3107.209	0.119271	0.099957	1.193223
Derl2	ENSMUSG00000018442	3258.427	0.182245	0.086492	2.107076
Plk1	ENSMUSG00000030867	3715.513	0.074369	0.074191	1.002397
Ndufb5	ENSMUSG00000027673	3292.462	0.206102	0.10664	1.932679
Zmym2	ENSMUSG00000021945	1799.032	0.013339	0.107135	0.124503
Hspa4l	ENSMUSG00000025757	3935.189	0.12113	0.145858	0.830468
Yme1l1	ENSMUSG00000026775	4223.793	0.105669	0.086579	1.220494
Phyhip	ENSMUSG00000003469	1226.21	0.22631	0.14547	1.555714
Snrpd3	ENSMUSG00000020180	2306.217	0.079103	0.074517	1.061535
Mras	ENSMUSG00000032470	594.2944	0.042381	0.113524	0.373322
Lrrcc1	ENSMUSG00000027550	617.3045	0.069544	0.099126	0.701571
Lcmt1	ENSMUSG00000030763	1248.488	0.236017	0.104866	2.250663
Tomm5	ENSMUSG00000078713	824.8598	0.187669	0.104721	1.792093
Nacc1	ENSMUSG00000001910	6394.438	0.087381	0.088381	0.988682

Grm2	ENSMUSG00000023192	285.9511	0.451398	0.137571	3.281193
Ak6	ENSMUSG00000078941	4804.516	0.123934	0.065871	1.881454
Ndufa10	ENSMUSG00000026260	4101.35	0.163627	0.09914	1.650464
Bet1l	ENSMUSG00000025484	1263.689	0.103407	0.080844	1.279096
Cadm2	ENSMUSG00000064115	579.7827	0.032934	0.141353	0.232989
Terf1	ENSMUSG00000025925	874.2348	0.12081	0.064588	1.870475
Yy1	ENSMUSG00000021264	1842.578	0.066578	0.090096	0.738959
Slc7a2	ENSMUSG00000031596	5139.239	0.159504	0.112148	1.422259
Blm	ENSMUSG00000030528	1044.986	-0.00417	0.091057	-0.04582
Rasgrf1	ENSMUSG00000032356	11815.11	0.064513	0.101417	0.636118
Phrf1	ENSMUSG00000038611	2743.83	0.040969	0.079391	0.516045
Galnt1	ENSMUSG00000000420	2459.97	0.159213	0.093643	1.700218
Gm3558	ENSMUSG00000079364	364.7668	0.300789	0.105934	2.839395
Ubqln2	ENSMUSG00000050148	7420.687	0.062554	0.134322	0.465703
Trap1	ENSMUSG00000005981	1716.849	0.063471	0.078162	0.812041
Slc16a3	ENSMUSG00000025161	8087.25	-0.00941	0.082611	-0.11385
Ubash3b	ENSMUSG00000032020	203.3505	0.258244	0.101771	2.537493
Atox1	ENSMUSG00000018585	1849.655	0.014119	0.135988	0.103828
Map4k5	ENSMUSG00000034761	1175.004	0.086684	0.081691	1.061124
Hexim2	ENSMUSG00000043372	229.6891	0.065032	0.112327	0.578947
Fbxo44	ENSMUSG00000029001	941.8678	0.186082	0.08522	2.183563
Exoc5	ENSMUSG00000061244	2178.229	0.160589	0.108389	1.481598
Wdpcp	ENSMUSG00000020319	748.2491	0.307627	0.129665	2.372474
Gpatch11	ENSMUSG00000050668	667.2179	0.191807	0.087561	2.190558
Gtdc1	ENSMUSG00000036890	256.5339	0.223989	0.111808	2.003326
Cox10	ENSMUSG00000042148	724.584	0.185387	0.070226	2.639858
Cand2	ENSMUSG00000030319	247.0116	0.458238	0.121124	3.783206
Maob	ENSMUSG00000040147	11993.03	0.213511	0.112481	1.898186
Mettl7a1	ENSMUSG00000054619	640.3488	0.035552	0.130955	0.271485
Anxa5	ENSMUSG00000027712	9690.611	0.092757	0.087839	1.055993
Nedd8	ENSMUSG00000010376	3803.188	0.138701	0.116772	1.187799
Hcfc2	ENSMUSG00000020246	1898.962	0.087383	0.085594	1.020903
Nt5dc3	ENSMUSG00000054027	1398.876	0.134889	0.082776	1.629569
Zmiz2	ENSMUSG00000041164	4497.079	0.067506	0.072966	0.925172
D8Ertd738	ENSMUSG00000019362	4671.574	0.116219	0.101802	1.141611
Prdm1	ENSMUSG00000038151	81.5501	0.046416	0.134879	0.344133
Zfp81	ENSMUSG00000003929	447.7268	0.12369	0.092552	1.336442
Ckmt1	ENSMUSG00000000308	2811.816	0.14222	0.112196	1.267602
Tbc1d24	ENSMUSG00000036473	1187.286	0.046197	0.109677	0.42121
Nsun2	ENSMUSG00000021595	3006.894	0.146588	0.076351	1.919938
Ln timer	ENSMUSG00000016520	766.2364	0.079578	0.119068	0.668342
Gm6472	ENSMUSG000000095597	4215.577	0.083802	0.117735	0.711782
Tiparp	ENSMUSG00000034640	563.2728	-0.05756	0.129381	-0.44493
Pcca	ENSMUSG00000041650	950.1671	0.186228	0.112884	1.649735
Prmt1	ENSMUSG000000109324	5273.508	0.192004	0.115461	1.662931
Mtss1l	ENSMUSG00000033763	867.6321	0.065437	0.112653	0.580875
Dusp14	ENSMUSG00000018648	1571.446	0.148722	0.09434	1.576439
Scmh1	ENSMUSG000000000085	1752.821	0.012117	0.10245	0.118271
Cdh8	ENSMUSG00000036510	1978.678	0.143982	0.115594	1.245578
Atpif1	ENSMUSG00000054428	5085.484	0.191059	0.108847	1.755299
Sumo3	ENSMUSG00000020265	7463.255	0.153065	0.071706	2.134633
Tti1	ENSMUSG00000027650	1548.404	0.02817	0.069523	0.405193

Trappc1	ENSMUSG00000049299	2978.573	0.127213	0.136561	0.931552
Pxk	ENSMUSG00000033885	3794.476	0.021664	0.06675	0.324551
Ppt1	ENSMUSG00000028657	3113.454	0.101569	0.06017	1.688036
Cited1	ENSMUSG00000051159	309.4787	0.216958	0.135207	1.604634
Tmem214	ENSMUSG00000038828	4155.617	0.069586	0.09398	0.740431
Smg8	ENSMUSG00000020495	659.8248	0.213005	0.079376	2.683499
Mrps18a	ENSMUSG00000023967	1712.24	0.096603	0.086034	1.122843
Shisa5	ENSMUSG00000025647	4303.905	0.04316	0.062279	0.693013
Tbc1d19	ENSMUSG00000039178	1745.666	0.164958	0.124237	1.327767
Mroh7	ENSMUSG00000047502	288.0721	-0.00526	0.126909	-0.04148
Cenpk	ENSMUSG00000021714	1134.964	0.272942	0.086275	3.163625
Agap1	ENSMUSG00000055013	7357.08	0.178229	0.061698	2.888719
Flot2	ENSMUSG00000061981	3565.89	0.23702	0.086581	2.737565
Depdc5	ENSMUSG00000037426	1433.856	0.046286	0.108322	0.427298
Fam8a1	ENSMUSG00000069237	2275.622	0.085969	0.089288	0.962825
Tubb4b	ENSMUSG00000036752	17374.33	0.075402	0.088711	0.849967
Asb3	ENSMUSG00000020305	355.3369	0.056705	0.100404	0.564771
Ndc1	ENSMUSG00000028614	2290.519	0.208004	0.075493	2.755275
Pcmt1	ENSMUSG00000019795	4423.558	0.161224	0.071545	2.253456
Tor1aip2	ENSMUSG00000050565	4444.817	0.095097	0.050994	1.864861
Ap3s1	ENSMUSG00000024480	2460.484	0.139447	0.096846	1.439887
Zmynd8	ENSMUSG00000039671	2721.701	0.071457	0.131669	0.542701
Ptbp3	ENSMUSG00000028382	6270.931	-0.19942	0.107365	-1.85738
Ttll12	ENSMUSG00000016757	1168.7	0.112862	0.072774	1.550851
Sesn2	ENSMUSG00000028893	1797.656	0.024026	0.119115	0.201705
Zfp942	ENSMUSG00000071267	646.0395	-0.00035	0.087761	-0.00398
Calm2	ENSMUSG00000036438	14755.62	0.010283	0.081836	0.125657
Xkr8	ENSMUSG00000037752	126.9967	0.031896	0.141621	0.225218
Fuz	ENSMUSG00000011658	555.8437	0.077883	0.134583	0.578698
Snrpn	ENSMUSG000000102252	2880.576	0.221382	0.114916	1.926468
Nnat	ENSMUSG00000067786	19283.72	0.290644	0.071473	4.066499
Eea1	ENSMUSG00000036499	1473.027	0.10051	0.106438	0.944306
Sass6	ENSMUSG00000027959	758.7034	0.16299	0.087441	1.863997
Whrn	ENSMUSG00000039137	957.8382	0.146498	0.099363	1.474365
Yod1	ENSMUSG00000046404	641.53	0.010571	0.096162	0.10993
Clns1a	ENSMUSG00000025439	2328.197	0.064201	0.078563	0.817194
Suco	ENSMUSG00000040297	3189.103	0.123304	0.103763	1.188324
Gls	ENSMUSG00000026103	2491.099	0.007439	0.121082	0.061436
Eif2s1	ENSMUSG00000021116	4013.727	0.163541	0.06333	2.58237
Zfc3h1	ENSMUSG00000034163	1233.795	0.017009	0.097681	0.174131
Serinc3	ENSMUSG00000017707	9533.661	0.036932	0.130985	0.281958
Arhgap5	ENSMUSG00000035133	1160.654	-0.01108	0.140318	-0.07893
Frmd4b	ENSMUSG00000030064	535.1054	0.21305	0.12673	1.681137
Wtap	ENSMUSG00000060475	3082.763	0.113252	0.057358	1.974484
Plekha1	ENSMUSG00000040268	5231.076	-0.00474	0.106066	-0.04466
Amigo3	ENSMUSG00000032593	552.5622	0.048322	0.104145	0.463993
BC030867	ENSMUSG00000034773	788.4542	0.142643	0.121563	1.173415
Tmem251	ENSMUSG00000046675	904.0989	0.019041	0.122016	0.156055
Frs2	ENSMUSG00000020170	1062.285	0.014926	0.110167	0.135483
Vbp1	ENSMUSG00000031197	3536.862	0.103185	0.086781	1.189025
Hist2h2aa1	ENSMUSG00000064220	54.3791	-0.03911	0.131857	-0.29658
Tsc22d3	ENSMUSG00000031431	846.4252	0.320681	0.091423	3.507659

Gdi1	ENSMUSG00000015291	15192.96	0.114039	0.095284	1.196835
Acs13	ENSMUSG00000032883	1168.303	0.085476	0.146003	0.585438
Erp29	ENSMUSG00000029616	5190.929	0.212276	0.110764	1.916474
Myadm	ENSMUSG00000097829	181.3777	0.170244	0.132407	1.285759
Ncald	ENSMUSG00000051359	2183.971	0.184729	0.106365	1.736757
Hist1h3g	ENSMUSG00000099517	39.40321	-0.03576	0.141955	-0.25192
Csrnp1	ENSMUSG00000032515	224.6226	0.175802	0.131329	1.33864
Itga3	ENSMUSG00000001507	1819.75	0.239297	0.067662	3.536649
Ss18l2	ENSMUSG00000032526	1608.988	0.16176	0.096632	1.673975
Polr1e	ENSMUSG00000028318	409.5355	0.227053	0.099834	2.274297
Slc38a5	ENSMUSG00000031170	325.7971	0.056941	0.117469	0.484733
Dach1	ENSMUSG00000055639	1286.122	-0.01415	0.126178	-0.11214
Malat1	ENSMUSG00000092341	7278.005	0.034597	0.106766	0.324049
Sytl5	ENSMUSG00000054453	153.9342	0.119235	0.144968	0.822492
Al837181	ENSMUSG00000047423	937.0018	0.208471	0.123307	1.690669
Hsbp1	ENSMUSG00000031839	4318.129	0.149695	0.090772	1.649129
Setd2	ENSMUSG00000044791	2520.634	-0.00031	0.077393	-0.00397
Apex1	ENSMUSG00000035960	1752.106	0.133034	0.098136	1.35561
Mocs2	ENSMUSG00000015536	1371.892	0.175863	0.125579	1.400413
Eif3e	ENSMUSG00000022336	4918.762	0.131722	0.066446	1.982376
Zdhhc2	ENSMUSG00000039470	5432.124	-0.01196	0.128175	-0.09328
Cntnap2	ENSMUSG00000039419	1362.806	0.085604	0.136077	0.629089
Zfp64	ENSMUSG00000027551	673.0911	0.055209	0.068446	0.806603
231006110	ENSMUSG00000050705	1719.605	0.117908	0.090607	1.301315
Sec61g	ENSMUSG00000078974	934.3884	0.177259	0.10531	1.683216
Dna2	ENSMUSG00000036875	1260.679	-0.04406	0.070655	-0.62366
Rnf26	ENSMUSG00000053128	1664.714	0.211877	0.078032	2.715268
Mcrip2	ENSMUSG00000025732	193.1371	0.495681	0.132008	3.754926
Pcdha8	ENSMUSG000000103800	360.355	-0.01015	0.122189	-0.08309
Dffb	ENSMUSG00000029027	950.4711	0.178684	0.072586	2.461677
Nxpe4	ENSMUSG00000044229	152.1465	0.17669	0.1341	1.317595
Wdr83os	ENSMUSG00000059355	2392.526	0.079264	0.091632	0.865025
Lysmd4	ENSMUSG00000043831	399.7122	-0.10687	0.089026	-1.20048
Zrsr1	ENSMUSG00000044068	480.2384	0.283278	0.107068	2.64578
Pcdha4	ENSMUSG000000104252	318.7334	0.142983	0.110055	1.299189
Cd164	ENSMUSG00000019818	22535.66	-0.03587	0.09384	-0.3823
Tardbp	ENSMUSG00000041459	6308.972	0.186918	0.066257	2.821121
Kbtbd6	ENSMUSG00000075502	260.3488	0.207351	0.102012	2.032617
Csde1	ENSMUSG00000068823	7871.037	0.051637	0.072149	0.715695
Ddi2	ENSMUSG00000078515	2397.524	0.09556	0.096778	0.987409
Aamdc	ENSMUSG00000035642	290.4669	0.037944	0.123428	0.307416
Pacs1	ENSMUSG00000024855	2547.309	0.266272	0.121812	2.185931
Alg14	ENSMUSG00000039887	736.2645	0.004984	0.113521	0.043908
Rraga	ENSMUSG00000070934	3812.384	0.132962	0.05987	2.220859
A1cf	ENSMUSG00000052595	230.772	0.121882	0.145904	0.835358
Elk3	ENSMUSG00000008398	1137.734	-0.02562	0.097409	-0.26305
Cisd3	ENSMUSG00000078695	2571.673	0.164938	0.095084	1.734651
Mkrn2	ENSMUSG00000000439	795.8476	0.338624	0.097144	3.485806
Gspt2	ENSMUSG00000071723	764.5951	0.048107	0.079274	0.606843
Nufip2	ENSMUSG00000037857	1100.338	0.165603	0.099367	1.666582
Atp5g3	ENSMUSG00000018770	11833.2	0.24954	0.093103	2.680269
Rpl30	ENSMUSG00000058600	6883.004	0.130425	0.107657	1.211483

Tpcn1	ENSMUSG00000032741	2688.192	0.199337	0.102137	1.951674
Bloc1s2	ENSMUSG00000057506	913.6312	0.139173	0.098076	1.419032
Rps11	ENSMUSG00000003429	11364.9	0.170518	0.103705	1.644251
Prox1	ENSMUSG00000010175	360.3731	-0.00036	0.122532	-0.00297
Kbtbd4	ENSMUSG00000005505	439.3153	0.080371	0.07807	1.029479
Pcna	ENSMUSG00000027342	17853.18	0.097213	0.069164	1.405531
Smim10l2a	ENSMUSG00000054850	414.682	0.305604	0.097447	3.136117
Arid1b	ENSMUSG00000069729	1872.2	0.145361	0.089604	1.622263
Lrch2	ENSMUSG00000031290	423.711	0.02657	0.126521	0.210006
Cdc6	ENSMUSG00000017499	1608.029	0.227828	0.082672	2.755801
Cnot4	ENSMUSG00000038784	925.7411	0.08727	0.080956	1.07799
Rusc1	ENSMUSG00000041263	1153.99	0.169007	0.09521	1.775091
Sdhaf3	ENSMUSG00000042505	107.1562	0.056869	0.118453	0.4801
Cflar	ENSMUSG00000026031	1234.792	0.342275	0.103369	3.311188
Ly96	ENSMUSG00000025779	179.395	0.118427	0.130955	0.904339
Fth1	ENSMUSG00000024661	13388.53	0.102653	0.091635	1.120232
Ddx6	ENSMUSG00000032097	5688.225	0.070838	0.091949	0.770399
Slc35b4	ENSMUSG00000018999	1738.248	0.067876	0.087718	0.773799
Atp1b1	ENSMUSG00000026576	18107.89	0.234748	0.09174	2.558845
Fto	ENSMUSG00000055932	2777.766	0.137423	0.088047	1.560794
Bop1	ENSMUSG00000022557	2134.454	0.230491	0.067744	3.40237
Atp6v1c1	ENSMUSG00000022295	4491.008	0.09068	0.074533	1.216629
Zfr	ENSMUSG00000022201	3899.601	0.023104	0.081771	0.28255
Dok4	ENSMUSG00000040631	257.2471	0.065213	0.103019	0.633023
Rdh11	ENSMUSG00000066441	1993.761	0.244364	0.124292	1.966053
Rap2c	ENSMUSG00000050029	557.9999	-0.07374	0.099021	-0.7447
Scpep1	ENSMUSG00000000278	9725.693	0.194222	0.106745	1.819491
Zbtb5	ENSMUSG00000049657	941.1142	0.220644	0.083378	2.646315
Hacd2	ENSMUSG00000035376	1253.535	0.052175	0.08653	0.602971
Exosc10	ENSMUSG00000017264	1855.836	-0.01218	0.077554	-0.157
B4galt6	ENSMUSG00000056124	1670.299	0.151508	0.089341	1.695841
Fdps	ENSMUSG00000059743	6300.976	0.4731	0.107893	4.384904
Kbtbd4	ENSMUSG000000111688	439.3153	0.080371	0.07807	1.029479
Pdk2	ENSMUSG00000038967	515.9166	0.135311	0.119156	1.135572
Atp1a3	ENSMUSG00000040907	370.4759	0.349142	0.123929	2.817277
Fosl2	ENSMUSG00000029135	1973.092	0.003528	0.101397	0.034797
Gm17435	ENSMUSG00000097000	166.3812	0.074568	0.129118	0.577517
Ubac1	ENSMUSG00000036352	1734.922	0.263058	0.088227	2.981597
Clock	ENSMUSG00000029238	3547.27	0.069903	0.099458	0.702839
38777	ENSMUSG00000039100	6042.273	0.069785	0.078936	0.884077
Vps26a	ENSMUSG00000020078	1944.515	0.070859	0.085909	0.824818
Isca2	ENSMUSG00000021241	1277.775	0.066135	0.099748	0.663025
Pcp4l1	ENSMUSG00000038370	695.1249	0.032759	0.099441	0.329431
Prickle2	ENSMUSG00000030020	393.1695	0.194019	0.11813	1.642424
Zfp654	ENSMUSG00000047141	1274.339	0.047885	0.123057	0.389128
Synpo2	ENSMUSG00000050315	400.7397	0.207003	0.142561	1.452031
Lsm12	ENSMUSG00000020922	1309.684	0.134887	0.082831	1.628458
Prss23	ENSMUSG00000039405	613.7135	0.086992	0.140187	0.620542
Hlth	ENSMUSG00000002428	1372.944	-0.00688	0.102182	-0.06732
Pbx1	ENSMUSG00000052534	1278.392	0.176316	0.102367	1.722393
Mob4	ENSMUSG00000025979	1925.188	0.102278	0.069489	1.471852
Opn5	ENSMUSG00000043972	287.6526	0.221179	0.145271	1.522534

Eef1g	ENSMUSG00000071644	17509.39	0.311372	0.100372	3.102195
Dynlt1a	ENSMUSG00000092074	2859.055	0.115096	0.13155	0.874923
Troap	ENSMUSG00000032783	1434.039	0.047438	0.063362	0.748684
Ftsj1	ENSMUSG00000031171	923.4781	0.060856	0.079759	0.763003
Slc5a6	ENSMUSG00000006641	547.1713	0.230639	0.089584	2.574555
Asf1a	ENSMUSG00000019857	781.1563	0.091231	0.09617	0.948636
Rela	ENSMUSG00000024927	2038.853	0.063837	0.065683	0.971907
Ints9	ENSMUSG00000021975	625.0291	0.121171	0.068548	1.767674
Zfp971	ENSMUSG00000074519	91.72934	0.253154	0.131249	1.928805
Slitrk1	ENSMUSG00000075478	309.5183	0.001497	0.097438	0.015362
Sfr1	ENSMUSG00000025066	3165.404	0.141917	0.062482	2.271315
Slc25a36	ENSMUSG00000032449	3177.884	0.065171	0.103929	0.62707
mt-Nd4l	ENSMUSG00000065947	15189.36	0.002966	0.122865	0.024143
Kif15	ENSMUSG00000036768	1009.071	0.08751	0.084365	1.037275
Nrd1	ENSMUSG00000053510	5448.526	0.001637	0.080589	0.020318
Dnajc8	ENSMUSG00000054405	2601.672	0.137493	0.07316	1.879338
Ruvbl1	ENSMUSG00000030079	1081.227	0.102056	0.081351	1.254519
Rhobtb3	ENSMUSG00000021589	771.6816	-0.07061	0.071449	-0.98832
Chchd3	ENSMUSG00000053768	3057.959	0.176589	0.065291	2.704658
Zfp3	ENSMUSG00000043602	182.3517	0.098291	0.108957	0.902102
Hint3	ENSMUSG00000019791	297.7417	0.155892	0.137817	1.13115
Atp5b	ENSMUSG00000025393	55784.81	0.229479	0.104614	2.193592
Rhpn2	ENSMUSG00000030494	1922.816	0.351641	0.110269	3.188928
Wdr82	ENSMUSG00000020257	3081.925	0.186603	0.051813	3.601466
Cdc73	ENSMUSG00000026361	2308.908	0.050953	0.113038	0.450757
Vrk1	ENSMUSG00000021115	4622.125	0.06188	0.109415	0.565555
Mief1	ENSMUSG00000022412	1308.306	0.094666	0.070937	1.334507
Ppp2r2d	ENSMUSG00000041769	3329.408	0.188982	0.06288	3.005441
Pfkfb4	ENSMUSG00000025648	656.0858	0.205629	0.092647	2.219487
Bcat2	ENSMUSG00000030826	508.912	0.260055	0.09773	2.660962
Tmem189	ENSMUSG00000090213	1852.403	0.142259	0.053461	2.660963
Arpc5	ENSMUSG00000008475	5842.074	0.264301	0.096063	2.751333
Tm2d3	ENSMUSG00000078681	989.2484	0.130166	0.096541	1.3483
Sgo2a	ENSMUSG00000026039	1028.998	0.005301	0.081592	0.064964
Ipcef1	ENSMUSG00000064065	508.0572	0.119999	0.146001	0.821902
Myo5a	ENSMUSG00000034593	5816.181	0.147049	0.104033	1.413492
Aldoc	ENSMUSG00000017390	1901.809	0.236368	0.122161	1.934883
Trove2	ENSMUSG00000018199	2194.688	0.212979	0.101597	2.096311
Npnt	ENSMUSG00000040998	103.9841	0.417719	0.144408	2.892627
Rcan1	ENSMUSG00000022951	1443.511	0.381731	0.088388	4.318793
Maea	ENSMUSG00000079562	2762.2	0.206478	0.068398	3.018763
Nsmce2	ENSMUSG00000059586	1273.885	0.1147	0.07861	1.459112
Vav3	ENSMUSG00000033721	414.6583	-0.02385	0.114301	-0.20865
Rtn3	ENSMUSG00000024758	17396.14	0.19051	0.043319	4.397806
Mybl1	ENSMUSG00000025912	1034.444	0.121774	0.139823	0.870916
Tmem102	ENSMUSG00000089876	634.4257	0.113743	0.093517	1.216286
Atxn2	ENSMUSG00000042605	1780.365	0.09026	0.074251	1.2156
Heatr5b	ENSMUSG00000039414	1411.817	0.075846	0.091406	0.829768
Kdm6a	ENSMUSG00000037369	791.8641	0.01005	0.103187	0.097399
Ckap2l	ENSMUSG00000048327	3260.974	0.061471	0.063845	0.962816
D430042O	ENSMUSG00000032743	620.5586	-0.12029	0.085278	-1.41055
Ranbp9	ENSMUSG00000038546	3324.188	0.031896	0.102586	0.310922

Bace1	ENSMUSG00000032086	3002.097	0.100536	0.126989	0.791695
Carnmt1	ENSMUSG00000024726	888.041	0.062228	0.08149	0.763622
Phax	ENSMUSG00000008301	1276.439	0.09053	0.085858	1.054417
Bves	ENSMUSG00000071317	437.8165	-0.0537	0.14502	-0.37028
Taf9	ENSMUSG00000052293	449.0328	0.315864	0.098644	3.202054
Mrpl1	ENSMUSG00000029486	1079.369	0.115552	0.074459	1.551885
Dnal1	ENSMUSG00000042523	955.2691	-0.00522	0.092534	-0.05639
Elovl6	ENSMUSG00000041220	839.6284	0.139091	0.133308	1.043377
Zfp9	ENSMUSG00000072623	1261.428	0.09297	0.127454	0.729445
Degs2	ENSMUSG00000021263	585.9174	0.310061	0.142082	2.182274
Slc38a2	ENSMUSG00000022462	6863.589	0.028863	0.137883	0.209326
Al661453	ENSMUSG00000034382	281.5892	0.287897	0.124132	2.319289
Rab6a	ENSMUSG00000030704	6355.074	0.132453	0.082989	1.596023
Pcgf5	ENSMUSG00000024805	775.1191	0.202082	0.108053	1.870217
3632454L2	ENSMUSG000000089759	165.5941	0.445833	0.126978	3.511121
Mcm5	ENSMUSG00000005410	11212.04	0.2085	0.081391	2.56172
Purg	ENSMUSG00000049184	237.8805	0.140551	0.130734	1.075089
A330076H	ENSMUSG000000109321	503.6076	-0.01384	0.127944	-0.10817
Chl1	ENSMUSG00000030077	901.1477	0.060457	0.127003	0.476024
Jmy	ENSMUSG00000021690	818.7455	-0.00707	0.143027	-0.04946
Lrrc42	ENSMUSG00000028617	2007.379	0.26052	0.09594	2.715454
Cyp2d22	ENSMUSG00000061740	332.085	0.111444	0.088634	1.25736
Zswim3	ENSMUSG00000045822	232.941	0.032271	0.096846	0.333214
Atg7	ENSMUSG00000030314	487.3339	0.07241	0.142147	0.5094
Smurf2	ENSMUSG00000018363	1127.747	0.06981	0.083298	0.838081
Tvp23b	ENSMUSG00000014177	1296.545	0.037315	0.089284	0.41794
Fbxw7	ENSMUSG00000028086	1771.765	0.162153	0.111839	1.449879
Nfyc	ENSMUSG00000032897	2643.25	0.119508	0.06871	1.739312
Nprl2	ENSMUSG00000010057	1176.928	0.129325	0.077168	1.675878
Ppp1r11	ENSMUSG00000036398	2077.493	0.103267	0.098932	1.043816
Timm50	ENSMUSG00000003438	2816.017	0.169965	0.089919	1.89021
Togaram1	ENSMUSG00000035614	1191.217	0.071986	0.113648	0.633413
Tram1l1	ENSMUSG00000044528	175.5959	0.100416	0.120903	0.830554
Vps4a	ENSMUSG00000031913	2768.233	0.12921	0.071525	1.806497
Rbms2	ENSMUSG00000040043	739.9288	0.146216	0.086015	1.699887
Tcf19	ENSMUSG00000050410	6800.338	0.175486	0.057503	3.05176
Fig4	ENSMUSG00000038417	653.7237	0.165297	0.101459	1.629198
Ago2	ENSMUSG00000036698	2665.832	0.053472	0.100896	0.529973
Zfp619	ENSMUSG00000068959	107.7629	-0.2142	0.126553	-1.69255
Plcxd2	ENSMUSG00000087141	506.8544	0.016831	0.123085	0.136743
Prr11	ENSMUSG00000020493	1068.22	-0.09317	0.087742	-1.06188
Rcan2	ENSMUSG00000039601	2430.737	0.250701	0.109616	2.287077
Trak1	ENSMUSG00000032536	4978.938	0.260727	0.081057	3.216591
Nras	ENSMUSG00000027852	2132.815	0.168544	0.08497	1.983561
Timm44	ENSMUSG00000002949	1295.481	0.108014	0.077326	1.396863
Nusap1	ENSMUSG00000027306	3652.439	0.0308	0.057322	0.537322
Pcdh17	ENSMUSG00000035566	676.4641	0.267558	0.139532	1.917543
Smyd2	ENSMUSG00000026603	745.9117	0.014953	0.118806	0.125861
Kdm4a	ENSMUSG00000033326	1380.428	0.075027	0.120909	0.620528
Hipk2	ENSMUSG00000061436	201.1638	0.031807	0.125738	0.252962
Tecr	ENSMUSG00000031708	11067.81	0.181109	0.099067	1.828156
Polr2f	ENSMUSG00000033020	1431.609	0.200869	0.098892	2.031185

Uba1	ENSMUSG00000001924	14789.26	0.203739	0.065022	3.133415
Ddost	ENSMUSG000000028757	19080.82	0.112476	0.070496	1.595483
Psma7	ENSMUSG000000027566	4669.405	0.132209	0.098486	1.342411
Cenpt	ENSMUSG000000036672	1244.694	0.230088	0.083572	2.753185
Zswim1	ENSMUSG000000017764	734.7603	0.119168	0.066675	1.787292
Dcp1a	ENSMUSG000000021962	726.116	0.004795	0.075667	0.063369
Med14	ENSMUSG000000064127	2732.127	0.029244	0.102935	0.284107
Scg5	ENSMUSG000000023236	17733.08	0.043343	0.084332	0.513955
Mki67	ENSMUSG000000031004	20010.56	-0.01829	0.10648	-0.1718
Krtcap2	ENSMUSG000000042747	4960.133	0.042976	0.113525	0.378558
2810030D:	ENSMUSG000000099338	41.91876	0.356275	0.142541	2.499445
Slx4	ENSMUSG000000039738	1959.252	0.183846	0.076012	2.418649
Tmem51	ENSMUSG000000040616	2793.329	0.251259	0.063625	3.949047
Fer1l5	ENSMUSG000000037432	228.4341	0.170533	0.114056	1.495178
Eef1akmt2	ENSMUSG000000030960	628.6532	0.105143	0.126191	0.833211
Tmem167	ENSMUSG000000012422	2545.205	0.038643	0.063862	0.605101
Tmem186	ENSMUSG000000043140	911.8006	0.029222	0.094098	0.310549
Gpi1	ENSMUSG000000036427	33753.27	0.057293	0.145337	0.394211
Slc25a14	ENSMUSG000000031105	599.5892	0.25364	0.094768	2.676424
Tmem30a	ENSMUSG000000032328	7589.03	0.110458	0.073217	1.508624
Commd9	ENSMUSG000000027163	2111.697	0.12291	0.093924	1.308601
Map1b	ENSMUSG000000052727	7474.693	0.093971	0.090596	1.037255
St5	ENSMUSG000000031024	1268.795	0.182624	0.075576	2.416442
Ift74	ENSMUSG000000028576	1119.806	0.140105	0.081486	1.719366
Pcbd1	ENSMUSG000000020098	4860.629	0.204935	0.133034	1.540469
Naa50	ENSMUSG000000022698	4331.865	0.164515	0.083914	1.960509
Ppia	ENSMUSG000000071866	36492.3	0.099426	0.095554	1.040522
Lrrn2	ENSMUSG000000026443	815.3358	0.286899	0.145788	1.967926
Gtf2i	ENSMUSG000000060261	5743.114	0.086627	0.065808	1.316353
Zfp26	ENSMUSG000000063108	742.5583	0.099588	0.127842	0.778995
Gtf3c6	ENSMUSG000000019837	623.8421	0.117174	0.115047	1.018488
Tmed4	ENSMUSG000000004394	5033.756	0.065011	0.060508	1.074417
Mastl	ENSMUSG000000026779	610.5953	0.000678	0.109412	0.006198
Pdik1l	ENSMUSG000000050890	1078.397	-0.05732	0.085002	-0.67429
Magee1	ENSMUSG000000031227	1505.8	0.197631	0.121099	1.631983
Ptprz1	ENSMUSG000000068748	2106.193	-0.07764	0.137026	-0.56661
Blnk	ENSMUSG000000061132	4179.262	0.095232	0.11025	0.863785
Ide	ENSMUSG000000111624	1411.045	0.182419	0.072125	2.529218
Npat	ENSMUSG000000033054	1482.299	0.09202	0.119049	0.772962
Ptpru	ENSMUSG000000028909	2344.877	0.027308	0.09985	0.273491
Gm28048	ENSMUSG000000098650	443.7588	0.163111	0.126666	1.287719
Vipr2	ENSMUSG000000011171	650.723	0.292879	0.089022	3.289969
Bach2	ENSMUSG000000040270	262.9978	0.081334	0.1361	0.597602
Dap3	ENSMUSG000000068921	2997.495	0.073629	0.098229	0.749567
Fbxo8	ENSMUSG000000038206	1236.798	-0.03755	0.103611	-0.36239
Gpsm1	ENSMUSG000000026930	2630.117	0.327419	0.116304	2.815205
Zfp239	ENSMUSG000000042097	163.9857	0.045678	0.122268	0.373587
Mrpl33	ENSMUSG000000106918	1492.498	0.046333	0.115892	0.399792
Kctd6	ENSMUSG000000021752	464.5956	0.043933	0.091051	0.48251
Ptrh1	ENSMUSG000000053746	219.6398	0.041258	0.135337	0.304854
Cldnd1	ENSMUSG000000022744	4258.659	0.065832	0.071049	0.926576
Ints4	ENSMUSG000000025133	1395.416	0.170328	0.115177	1.478833

Hist1h2bg	ENSMUSG00000058385	37.09922	-0.01611	0.142288	-0.11321
Mesd	ENSMUSG00000038503	2914.596	0.329205	0.102171	3.22209
Eif3i	ENSMUSG00000028798	4351.899	0.146357	0.076922	1.902679
Mycn	ENSMUSG00000037169	152.5039	-0.03688	0.115256	-0.32001
Gm26617	ENSMUSG00000097340	288.6547	-0.05183	0.120571	-0.42987
Slc26a1	ENSMUSG00000046959	50.86641	0.258464	0.144254	1.791722
Tmem229l	ENSMUSG00000046157	2674.434	0.123707	0.133704	0.92523
Pfn1	ENSMUSG00000018293	7932.019	0.110156	0.095967	1.147856
Itpr1l1	ENSMUSG00000074825	200.6254	0.103037	0.110122	0.935659
Ppib	ENSMUSG00000032383	9268.779	0.090416	0.091691	0.986085
Myl12b	ENSMUSG00000034868	4495.27	0.015508	0.106868	0.145113
Mtif3	ENSMUSG00000016510	576.3542	-0.04581	0.067678	-0.6769
Srrm1	ENSMUSG00000028809	4656.851	0.105947	0.095722	1.106811
Cct3	ENSMUSG00000001416	8051.639	0.256416	0.107073	2.394778
Ide	ENSMUSG00000056999	1411.045	0.182419	0.072125	2.529218
Hdac4	ENSMUSG00000026313	1838.916	0.319945	0.096906	3.301618
Swi5	ENSMUSG00000044627	6684.005	0.111869	0.092843	1.204927
L2hgdh	ENSMUSG00000020988	471.9171	0.153695	0.080201	1.916384
Erg28	ENSMUSG00000021252	1414.872	0.114729	0.085792	1.337292
Zbtb41	ENSMUSG00000033964	1519.986	0.015533	0.111423	0.139404
40057	ENSMUSG00000059248	2132.454	0.198147	0.128606	1.54073
Prom1	ENSMUSG00000029086	9607.317	0.285627	0.144291	1.979522
Cdc42	ENSMUSG00000006699	13115.28	0.111092	0.077376	1.435739
Polr2m	ENSMUSG00000032199	5221.366	0.149918	0.04722	3.174899
Hbs1l	ENSMUSG00000019977	3777.058	0.141104	0.110413	1.277957
Mcts1	ENSMUSG00000000355	1046.352	0.143638	0.069117	2.078184
4930503L1	ENSMUSG00000044906	1278.039	0.071045	0.095875	0.741017
Zfp322a	ENSMUSG00000046351	906.7653	0.02772	0.116438	0.238068
Rps4x	ENSMUSG00000031320	18339.85	0.121736	0.10604	1.148016
1700037H	ENSMUSG00000027327	628.4016	0.199902	0.088364	2.262248
Slc26a11	ENSMUSG00000039908	214.4413	0.166168	0.115374	1.44026
Pqlc2	ENSMUSG00000028744	532.1754	0.097164	0.091576	1.061023
Gal3st1	ENSMUSG00000049721	725.4943	0.282676	0.101588	2.782562
Zfp775	ENSMUSG00000007216	191.4194	0.074374	0.121812	0.610568
Rad54b	ENSMUSG00000078773	905.4078	0.168081	0.097883	1.717173
Aak1	ENSMUSG00000057230	3451.324	0.194627	0.116057	1.676998
Ctsh	ENSMUSG00000032359	2839.126	-0.01788	0.121872	-0.1467
Gm10123	ENSMUSG00000062933	11676.2	0.136469	0.070369	1.939333
Sugt1	ENSMUSG00000022024	1552.967	0.235882	0.092354	2.554115
Kat6a	ENSMUSG00000031540	1335.063	0.004462	0.111555	0.039999
Trp53inp2	ENSMUSG00000038375	17554.57	0.056917	0.104088	0.546816
Atxn7l3b	ENSMUSG00000074748	4516.972	0.129921	0.053867	2.411872
Cracr2b	ENSMUSG00000048200	156.3473	0.261452	0.126221	2.071383
Ttc9	ENSMUSG00000042734	395.1393	0.18387	0.083364	2.20563
Kbtbd7	ENSMUSG00000043881	867.9366	0.066762	0.116661	0.57228
Wdr7	ENSMUSG00000040560	2097.465	0.161851	0.102049	1.586018
Rps25	ENSMUSG00000009927	10311.38	0.174778	0.110444	1.582499
Ryk	ENSMUSG00000032547	2662.28	0.151239	0.061272	2.468316
MIlt1	ENSMUSG00000024212	2019.916	0.178962	0.053689	3.333317
Snrpd2	ENSMUSG00000040824	2662.097	0.193378	0.114853	1.683695
Pcbp2	ENSMUSG00000056851	15002.68	0.034091	0.074496	0.457619
Mrpl30	ENSMUSG00000026087	1886.405	0.065567	0.093221	0.70335

Nfat5	ENSMUSG00000003847	2969.178	-0.02385	0.118343	-0.20151
Rel	ENSMUSG000000020275	625.7626	0.072096	0.102683	0.702123
Rars	ENSMUSG000000018848	2778.704	0.126906	0.067306	1.885514
Mrpl40	ENSMUSG000000022706	1547.505	0.178644	0.105649	1.69093
Rpl36a	ENSMUSG000000079435	2566.921	0.140924	0.115024	1.225168
Sssca1	ENSMUSG000000079478	854.9681	0.192516	0.114038	1.688174
Rps16	ENSMUSG000000037563	7466.79	0.138341	0.114182	1.211575
Katnbl1	ENSMUSG000000027132	659.8716	0.038111	0.096529	0.394816
Nt5c3	ENSMUSG000000029780	3757.159	0.071837	0.094371	0.761214
Tap1	ENSMUSG000000037321	239.6187	0.135521	0.132626	1.021832
Pou2f1	ENSMUSG000000026565	741.4519	0.03194	0.104216	0.306481
Bora	ENSMUSG000000022070	969.8826	0.017586	0.110498	0.159152
Jam3	ENSMUSG000000031990	778.7574	0.260738	0.090871	2.869326
Imp3	ENSMUSG000000032288	1765.563	0.172096	0.117465	1.465077
Dbf4	ENSMUSG000000002297	1976.699	0.135691	0.11762	1.153641
Pigt	ENSMUSG000000017721	4713.145	0.197284	0.061027	3.232714
Gid8	ENSMUSG000000027573	1646.412	0.14907	0.08414	1.771676
Atp7a	ENSMUSG000000033792	1420.261	0.024215	0.145503	0.166425
Far1	ENSMUSG000000030759	2110.81	0.086459	0.112003	0.771929
Pde10a	ENSMUSG000000023868	2456.202	0.170356	0.116222	1.465773
Unkl	ENSMUSG000000015127	275.3233	0.166478	0.129511	1.285436
Ppa1	ENSMUSG000000020089	3326.392	0.190728	0.078361	2.433966
Mvk	ENSMUSG000000041939	888.6284	0.340749	0.076845	4.434259
Il6st	ENSMUSG000000021756	7724.11	0.106479	0.110251	0.965789
Letmd1	ENSMUSG000000037353	1381.012	0.141531	0.058431	2.422192
Rammet	ENSMUSG000000038646	1341.186	0.100889	0.082363	1.224928
Slc39a8	ENSMUSG000000053897	4433.45	0.127282	0.107564	1.183317
Fgf1	ENSMUSG000000036585	679.5027	0.01849	0.133866	0.13812
Fkbp3	ENSMUSG000000020949	3075.021	0.253916	0.08643	2.93783
Pphln1	ENSMUSG000000036167	1350.699	0.064878	0.091075	0.71235
Dennd4c	ENSMUSG000000038024	4034.76	0.00497	0.131465	0.037807
Dhx33	ENSMUSG000000040620	797.8054	-0.01185	0.099245	-0.11938
Tfrc	ENSMUSG000000022797	9063.936	0.026523	0.143909	0.184303
Idh3a	ENSMUSG000000032279	7624.982	0.214002	0.062506	3.423696
Atpaf1	ENSMUSG000000028710	920.0438	0.142977	0.104371	1.369896
Apoa2	ENSMUSG000000005681	217.8749	0.129055	0.142152	0.907869
Pitrm1	ENSMUSG000000021193	4866.028	0.094765	0.097333	0.973612
mt-Ta	ENSMUSG000000064347	51.57785	-0.0041	0.138273	-0.02966
Zfp58	ENSMUSG000000071291	196.2449	0.060241	0.108171	0.556906
Mcts2	ENSMUSG000000042814	478.0628	0.088967	0.106121	0.838351
Mapk9	ENSMUSG000000020366	1872.511	0.117269	0.098764	1.187367
Vps37d	ENSMUSG000000043614	189.9696	0.116377	0.131404	0.885643
119000710	ENSMUSG000000063320	224.1606	-0.01229	0.1125	-0.10921
Paqr8	ENSMUSG000000025931	282.555	0.127701	0.108714	1.17465
Zfp422	ENSMUSG000000059878	1254.45	0.000633	0.07499	0.008446
Slc7a5	ENSMUSG000000040010	9175.176	0.148575	0.101016	1.470814
Slc29a4	ENSMUSG000000050822	5366.536	0.208204	0.134945	1.542884
Atp6v0e	ENSMUSG000000015575	6574.994	-0.03245	0.101543	-0.31955
Flrt3	ENSMUSG000000051379	365.8473	-0.17791	0.145056	-1.22652
Arhgdia	ENSMUSG000000025132	17995.57	0.098744	0.072615	1.359838
Nek6	ENSMUSG000000026749	299.8641	0.348602	0.123432	2.824238
Pdlim5	ENSMUSG000000028273	1056.445	0.184319	0.088402	2.085009

8430429K	ENSMUSG00000034587	301.266	0.136719	0.108315	1.262232
Cse1l	ENSMUSG00000002718	5429.987	0.20846	0.068703	3.034236
Pik3ca	ENSMUSG000000027665	1543.455	0.046588	0.126466	0.368388
Gpd2	ENSMUSG000000026827	6344.509	0.142348	0.099919	1.424632
Ubqln4	ENSMUSG00000008604	2463.969	0.106405	0.086572	1.229086
Snhg3	ENSMUSG000000085241	736.0323	0.316283	0.092721	3.411128
Trim32	ENSMUSG000000051675	1427.799	0.162612	0.055797	2.914321
Vat1l	ENSMUSG000000046844	8050.805	0.380446	0.140178	2.714008
Dnajb9	ENSMUSG000000014905	4047.012	-0.02176	0.125589	-0.17323
Gapdh	ENSMUSG000000057666	131551.2	0.116689	0.133746	0.872464
Rps6ka5	ENSMUSG000000021180	650.6331	0.211694	0.116004	1.824889
Snx6	ENSMUSG000000005656	2631.098	0.192479	0.066038	2.914644
Fabp5	ENSMUSG000000027533	2640.719	0.012284	0.120898	0.101609
Lias	ENSMUSG000000029199	791.817	0.073491	0.079495	0.924466
Slc1a4	ENSMUSG000000020142	1383.901	0.201771	0.145622	1.385579
Tsc22d2	ENSMUSG000000027806	1182.529	-0.06979	0.120387	-0.57973
Cyb5a	ENSMUSG000000024646	704.6877	0.149196	0.106803	1.396925
Txn1l	ENSMUSG000000024583	4953.266	0.153584	0.058301	2.63431
Slc39a11	ENSMUSG000000041654	345.7593	0.262192	0.101369	2.586504
Izumo4	ENSMUSG000000055862	514.6864	0.270279	0.113526	2.38077
Clp1	ENSMUSG000000027079	480.0631	0.121111	0.092853	1.304332
Eny2	ENSMUSG000000022338	2373.044	0.059824	0.059557	1.004468
Frg2f1	ENSMUSG000000087385	305.682	0.117709	0.112252	1.048617
Dner	ENSMUSG000000036766	2864.683	0.108784	0.08328	1.306239
Dcbld1	ENSMUSG000000019891	869.8258	0.124192	0.11901	1.04354
Tubb5	ENSMUSG000000001525	44820.36	0.132387	0.085401	1.550177
Depdc1b	ENSMUSG000000021697	348.9646	0.041153	0.0871	0.472473
Sh3bgrl	ENSMUSG000000031246	2140.513	-0.00434	0.123282	-0.03522
Nasp	ENSMUSG000000028693	5013.013	0.23293	0.068821	3.384576
Gnaz	ENSMUSG000000040009	1368.297	0.286356	0.104307	2.745312
Yif1a	ENSMUSG000000024875	2500.899	0.153902	0.083757	1.837477
Ap1b1	ENSMUSG000000009090	5023.071	0.165647	0.085907	1.928215
Mkln1	ENSMUSG000000025609	3380.142	0.23528	0.092716	2.537628
Papd4	ENSMUSG000000042167	527.679	0.028696	0.082637	0.347257
Sparcl1	ENSMUSG000000029309	423.2451	0.184775	0.145992	1.265655
Spata2	ENSMUSG000000047030	724.7357	0.109415	0.094295	1.160346
Ppp2r2a	ENSMUSG000000022052	2143.701	0.144282	0.061264	2.35509
Gm12958	ENSMUSG000000084891	55.3625	0.013742	0.14592	0.094175
Gt(ROSA)2	ENSMUSG000000086429	656.9532	0.183708	0.128795	1.426359
Pnlsr	ENSMUSG000000028248	2339.7	0.077368	0.093331	0.828958
Golga7	ENSMUSG000000015341	2180.544	0.283751	0.083759	3.387705
Emc8	ENSMUSG000000031819	1619.552	0.170816	0.089775	1.902716
Golt1a	ENSMUSG000000103421	206.5643	0.192534	0.144295	1.334301
Rbm15	ENSMUSG000000048109	797.2178	0.110405	0.124343	0.887901
Pik3r1	ENSMUSG000000041417	4148.36	0.113455	0.09594	1.182568
Pigm	ENSMUSG000000050229	1078.32	0.134128	0.082924	1.617493
Atg4b	ENSMUSG000000026280	2205.309	0.207559	0.067242	3.086757
Setx	ENSMUSG000000043535	2494.406	0.059348	0.095294	0.622787
Specc1	ENSMUSG000000042331	809.9425	0.110295	0.113562	0.971232
Ethe1	ENSMUSG000000064254	775.7376	0.174071	0.091447	1.903521
Slco4a1	ENSMUSG000000038963	475.7653	0.170523	0.145055	1.17557
Fkbp1a	ENSMUSG000000032966	11195.78	0.180209	0.078353	2.299947

Otub1	ENSMUSG00000024767	3280.582	0.204731	0.122656	1.669148
Uqcc2	ENSMUSG00000024208	4691.214	0.12732	0.123802	1.02841
Mtpn	ENSMUSG00000029840	4928.58	0.088888	0.078843	1.127404
Zfp2	ENSMUSG00000049321	217.982	0.184183	0.130161	1.41504
Pfkfb1	ENSMUSG00000025271	189.5079	0.066796	0.119628	0.558363
Ano6	ENSMUSG00000064210	2276.67	0.137599	0.123606	1.113209
Rplp1	ENSMUSG00000007892	14570.13	0.18669	0.108352	1.722991
Uchl3	ENSMUSG00000022111	1654.407	0.163862	0.075648	2.16611
Thoc6	ENSMUSG00000041319	854.7587	0.098938	0.075912	1.303322
Prr3	ENSMUSG00000038500	910.2646	0.188342	0.086292	2.182617
Klhdc10	ENSMUSG00000029775	3864.964	0.195931	0.082668	2.37009
Gm1818	ENSMUSG00000091277	69.04146	0.111051	0.136079	0.816082
Ska2	ENSMUSG00000020492	1790.531	0.127352	0.093051	1.368628
Trim62	ENSMUSG00000041000	1480.66	0.189654	0.098547	1.924503
Pja2	ENSMUSG00000024083	4505.007	0.139703	0.100415	1.391255
Cdc27	ENSMUSG00000020687	1910.928	0.032613	0.088915	0.366792
Arpc3	ENSMUSG00000029465	4439.043	0.101633	0.109616	0.927173
Birc5	ENSMUSG00000017716	3405.246	0.151647	0.096125	1.577599
Cyb5r3	ENSMUSG00000018042	19890.8	0.245963	0.106356	2.312633
Isca1	ENSMUSG00000044792	4052.689	0.291378	0.0661	4.408133
Rps12-ps3	ENSMUSG00000067038	8163.998	0.173151	0.125737	1.377088
Acadm	ENSMUSG00000062908	615.3883	0.197901	0.114022	1.735636
Hspa8	ENSMUSG00000015656	85538.26	0.129732	0.070283	1.845864
Dpysl5	ENSMUSG00000029168	1710.694	0.220874	0.123711	1.785402
Cnih4	ENSMUSG00000062169	1379.31	0.151485	0.106708	1.419628
Fh1	ENSMUSG00000026526	5044.271	0.23935	0.115546	2.071461
Snx3	ENSMUSG00000019804	6777.522	0.184865	0.09179	2.014006
Sgk2	ENSMUSG00000017868	956.5138	0.320642	0.134499	2.38398
Klhdc2	ENSMUSG00000020978	3165.207	0.065757	0.060424	1.088259
Carf	ENSMUSG00000026017	335.4577	0.056591	0.126561	0.447144
Cacybp	ENSMUSG00000014226	3014.775	0.152348	0.071757	2.123127
Fam53c	ENSMUSG00000034300	1789.049	0.087303	0.111787	0.780977
Zxdb	ENSMUSG00000073062	1284.169	0.160341	0.117546	1.364075
Dgka	ENSMUSG00000025357	467.5323	0.201368	0.087771	2.294252
Surf4	ENSMUSG00000014867	20664.68	0.22652	0.060294	3.756948
2310008N	ENSMUSG000000100335	58.64051	0.052663	0.143237	0.367663
Id4	ENSMUSG00000021379	336.4954	0.322317	0.128719	2.504034
Aco2	ENSMUSG00000022477	11811.04	0.178454	0.057589	3.098774
Osbpl11	ENSMUSG00000022807	527.8592	0.150907	0.084568	1.784445
Ccdc86	ENSMUSG00000024732	760.504	0.109545	0.08661	1.264806
Nsun3	ENSMUSG00000050312	478.6905	0.112179	0.139064	0.806671
Zfp933	ENSMUSG00000059423	240.495	0.017934	0.109196	0.164238
Psmb7	ENSMUSG00000026750	5811.481	0.186326	0.101634	1.833307
Tmem50b	ENSMUSG00000022964	2697.57	0.18248	0.062598	2.915112
Zzz3	ENSMUSG00000039068	2586.886	0.088035	0.076387	1.152487
Dhrs1	ENSMUSG00000002332	1774.656	0.157842	0.101652	1.552766
Rad9a	ENSMUSG00000024824	663.3249	0.191516	0.099869	1.917672
Rad9a	ENSMUSG00000097909	663.3249	0.191516	0.099869	1.917672
Tshz3	ENSMUSG00000021217	1259.866	0.092144	0.128356	0.71788
Shoc2	ENSMUSG00000024976	2286.456	0.090185	0.08537	1.056404
Oser1	ENSMUSG00000035399	1532.676	0.141861	0.098727	1.436905
Aste1	ENSMUSG00000032567	411.7109	0.055328	0.074512	0.742539

Pura	ENSMUSG00000043991	963.6601	0.1877	0.07349	2.554082
Tfdp2	ENSMUSG00000032411	2029.197	0.202683	0.145441	1.393572
Ube2f	ENSMUSG00000034343	989.3967	0.107595	0.098311	1.094435
Olfm1	ENSMUSG00000026833	3797.964	0.124226	0.103796	1.196826
Dnajc30	ENSMUSG00000061118	562.8916	0.144098	0.101728	1.4165
Eif3j1	ENSMUSG00000027236	1460.948	0.050562	0.084187	0.600591
S100a11	ENSMUSG00000027907	1824.301	0.254229	0.134231	1.893962
Ywhag	ENSMUSG00000051391	8755.226	0.291431	0.076119	3.828596
Serpinb8	ENSMUSG00000026315	870.8679	-0.11281	0.117943	-0.95648
Map1a	ENSMUSG00000027254	1132.066	-0.01743	0.11645	-0.14972
Cenpn	ENSMUSG00000031756	1007.665	0.1407	0.071767	1.960514
Irs2	ENSMUSG00000038894	2343.292	0.058161	0.123406	0.471303
Uba3	ENSMUSG00000030061	2009.415	0.153495	0.06408	2.395383
Smim14	ENSMUSG00000037822	5052.941	0.01401	0.108858	0.128695
Ccdc74a	ENSMUSG00000041617	196.7464	0.408122	0.141074	2.892971
Prss53	ENSMUSG00000044139	37962	0.317523	0.072291	4.392297
Usp31	ENSMUSG00000063317	1807.84	0.08205	0.098347	0.834287
Lmo7	ENSMUSG00000033060	4182.263	0.233637	0.128562	1.817315
Mosmo	ENSMUSG00000046096	1003.246	0.039406	0.102838	0.383182
Plrg1	ENSMUSG00000027998	2171.839	0.167938	0.06043	2.779064
Zim1	ENSMUSG00000002266	5232.28	0.21502	0.146011	1.472629
Lamp1	ENSMUSG00000031447	27972.32	0.110023	0.073235	1.502324
Mrpl14	ENSMUSG00000023939	1262.562	0.320851	0.109286	2.935879
Gdi2	ENSMUSG00000021218	14506.73	0.182557	0.056529	3.229466
Luzp1	ENSMUSG00000001089	2136.547	0.060702	0.09341	0.649842
Rab1a	ENSMUSG00000020149	10529.18	0.22043	0.068928	3.197992
Scamp2	ENSMUSG00000040188	1913.918	0.232041	0.083814	2.768541
Rfx5	ENSMUSG00000005774	696.9896	-0.07063	0.108422	-0.65147
Nup50	ENSMUSG00000016619	4157.189	0.126897	0.076315	1.662809
Fam110a	ENSMUSG00000027459	476.2985	0.289596	0.105048	2.756794
Utrn	ENSMUSG00000019820	6901.75	0.197885	0.14277	1.386042
Kif14	ENSMUSG00000041498	758.0898	0.113667	0.102429	1.109715
Psmc5	ENSMUSG00000026869	2442.762	0.289041	0.079175	3.650647
Zfp597	ENSMUSG00000039789	694.0265	0.182401	0.094916	1.921703
Ap1s2	ENSMUSG00000031367	8298.385	0.053866	0.076345	0.70557
Cisd1	ENSMUSG00000037710	5055.133	0.135751	0.104666	1.296991
Net1	ENSMUSG00000021215	2255.067	0.243168	0.08925	2.724582
Rpl24	ENSMUSG00000098274	10237.05	0.150007	0.107855	1.390818
Blcap	ENSMUSG00000067787	1899.415	0.313327	0.072149	4.342756
2310030G	ENSMUSG00000032062	679.9716	0.062243	0.089833	0.692874
Pym1	ENSMUSG00000064030	685.6816	0.152514	0.115211	1.323788
Nsl1	ENSMUSG00000062510	459.0163	0.031002	0.090683	0.341875
Tjp1	ENSMUSG00000030516	4197.825	0.036148	0.112589	0.321066
Nkrf	ENSMUSG00000044149	440.9818	0.104184	0.106288	0.980198
Dcun1d4	ENSMUSG00000051674	533.2219	0.041994	0.093217	0.450493
Gm12751	ENSMUSG00000062554	160.7727	-0.02015	0.117313	-0.17175
Cstb	ENSMUSG00000005054	2178.107	0.117626	0.100673	1.168395
Tubgcp5	ENSMUSG00000033790	885.5498	0.051167	0.075138	0.680969
Ddx21	ENSMUSG00000020075	2321.575	0.211093	0.088009	2.398539
Ankfy1	ENSMUSG00000020790	3322.749	0.202597	0.091573	2.212409
Stk26	ENSMUSG00000031112	730.7146	0.162191	0.142312	1.139687
Nap1l4	ENSMUSG00000059119	6144.712	0.098036	0.08606	1.139165

Zwint	ENSMUSG00000019923	10270.75	0.291377	0.07657	3.805351
Tcn2	ENSMUSG00000020432	1698.418	-0.03557	0.117313	-0.30319
Cnm2	ENSMUSG00000064105	952.077	0.146012	0.115368	1.265621
Zfp407	ENSMUSG00000048410	416.0554	0.005313	0.11462	0.046352
Tuba4a	ENSMUSG00000026202	7559.072	0.170652	0.081302	2.098988
Ttc17	ENSMUSG00000027194	977.3678	0.052869	0.100907	0.523936
Med10	ENSMUSG00000021598	1039.832	0.095523	0.110287	0.866136
Mars2	ENSMUSG00000046994	289.5169	0.007723	0.126956	0.060835
Suv39h2	ENSMUSG00000026646	401.6841	0.0741	0.08469	0.874954
Ppp1r14b	ENSMUSG00000056612	2723.506	0.375438	0.122489	3.065084
Shkbp1	ENSMUSG00000089832	1101.569	0.097207	0.122097	0.796145
Rtl8c	ENSMUSG00000051851	573.8926	0.229401	0.127778	1.795305
Casc4	ENSMUSG00000060227	3685.139	0.095089	0.094709	1.004009
Ost4	ENSMUSG00000038803	3153.512	0.195883	0.097193	2.015414
Prmt1	ENSMUSG00000015476	1313.311	0.283928	0.073789	3.847815
Gak	ENSMUSG00000062234	5166.842	0.059154	0.083761	0.706217
Tmem147	ENSMUSG00000006315	6019.673	0.17093	0.096883	1.76429
Capn10	ENSMUSG00000026270	1165.935	0.187716	0.073716	2.546463
Ube2v2	ENSMUSG00000022674	1876.34	0.149059	0.082251	1.812243
3110056Kc	ENSMUSG00000085622	258.1376	0.2509	0.105316	2.382351
Escl	ENSMUSG00000021996	4166.084	0.160471	0.096726	1.659036
Sez6l2	ENSMUSG00000030683	19833.44	0.194548	0.0808	2.407761
Trpv2	ENSMUSG00000018507	434.6059	0.257231	0.098027	2.624078
Lats1	ENSMUSG00000040021	2091.586	0.126546	0.109015	1.160814
Gm11808	ENSMUSG00000068240	13137.73	0.10172	0.119555	0.850815
Ndufc2	ENSMUSG00000030647	5571.224	0.062133	0.093118	0.667246
Tox4	ENSMUSG00000016831	3036.86	0.096648	0.051257	1.885556
Cops2	ENSMUSG00000027206	3613.767	0.179225	0.055916	3.205229
Manf	ENSMUSG00000032575	11453.25	0.102436	0.085008	1.205013
Ube2d3	ENSMUSG00000078578	10832.23	0.115353	0.064274	1.794704
Slc39a10	ENSMUSG00000025986	763.9441	0.06564	0.10776	0.609136
Kif11	ENSMUSG00000111220	2626.672	0.070831	0.093946	0.753954
Ptbp1	ENSMUSG00000006498	11734.65	0.058599	0.044736	1.309904
Unc119	ENSMUSG00000002058	463.2272	0.168596	0.130381	1.293103
Syt4	ENSMUSG00000024261	9456.092	0.168584	0.0683	2.468276
Acsl4	ENSMUSG00000031278	2312.179	0.229709	0.107506	2.136713
Gm17066	ENSMUSG00000091509	224.6294	0.242623	0.129401	1.874973
Kif3a	ENSMUSG00000018395	868.85	0.148713	0.075411	1.972033
Pcdhac2	ENSMUSG000000102697	426.3598	0.162875	0.142906	1.139736
Npas3	ENSMUSG00000021010	159.4761	0.129803	0.145265	0.893558
Ndufv2	ENSMUSG00000024099	5329.642	0.183595	0.103215	1.778765
Rbm27	ENSMUSG00000024491	1066.004	0.095297	0.093488	1.01935
Mrpl23-ps1	ENSMUSG00000075279	1087.472	0.055244	0.11932	0.462988
Ndufb11	ENSMUSG00000031059	5057.936	0.14338	0.100802	1.422391
Stac2	ENSMUSG00000017400	1134.698	0.41272	0.11822	3.491101
Kif11	ENSMUSG00000012443	2626.672	0.070831	0.093946	0.753954
Dhfr	ENSMUSG00000021707	2688.311	0.234032	0.092433	2.531912
Nptx1	ENSMUSG00000025582	1853.975	0.126105	0.08746	1.441868
Rfc3	ENSMUSG00000033970	2269.24	0.18227	0.09888	1.843343
Enpp5	ENSMUSG00000023960	4902.35	0.073617	0.078949	0.932465
BC024978	ENSMUSG00000078786	378.0671	0.093441	0.100938	0.925727
Rpl28-ps1	ENSMUSG00000058603	5887.126	0.194523	0.112758	1.725128

1700001LC	ENSMUSG00000075511	270.4237	0.229025	0.134899	1.697747
Rnasek	ENSMUSG00000093989	5125.966	-0.00896	0.097354	-0.09202
Psemb2	ENSMUSG00000028837	3643.403	0.099569	0.103813	0.959116
Asl	ENSMUSG00000025533	1110.909	0.264133	0.104097	2.537367
Phf6	ENSMUSG00000025626	2177.936	0.16032	0.108709	1.474766
Trim33	ENSMUSG00000033014	1630.534	0.119385	0.104107	1.146753
Pag1	ENSMUSG00000027508	990.6395	0.038173	0.145401	0.262533
Rps27a	ENSMUSG00000020460	14327.88	0.228558	0.103702	2.203991
Evi5	ENSMUSG00000011831	1150	-0.01314	0.115001	-0.11424
Cycs	ENSMUSG00000063694	4648.776	0.18431	0.079769	2.310556
Pigc	ENSMUSG00000026698	565.9983	0.378526	0.073541	5.147135
Slc9a6	ENSMUSG00000060681	879.2233	0.18116	0.099384	1.822835
Rpl27a	ENSMUSG00000046364	4973.095	0.110586	0.115235	0.959657
Cmtr2	ENSMUSG00000046441	648.4911	0.046377	0.119701	0.38744
Relt	ENSMUSG00000008318	712.536	0.194653	0.100813	1.930829
Ticrr	ENSMUSG00000046591	758.3298	0.049488	0.098182	0.504045
Magt1	ENSMUSG00000031232	3392.276	0.307399	0.1172	2.622867
P3h4	ENSMUSG00000006931	1667.551	0.11284	0.075556	1.493452
Pcdh11x	ENSMUSG00000034755	288.1261	0.242959	0.144189	1.685002
Fbln5	ENSMUSG00000021186	722.0623	0.476893	0.127621	3.736801
Slc16a12	ENSMUSG00000009378	3870.644	0.03356	0.115614	0.290273
Zfp449	ENSMUSG00000073176	211.2084	0.037251	0.105712	0.35238
Lonp2	ENSMUSG00000047866	2591.519	0.13767	0.109967	1.251921
Fbxw11	ENSMUSG00000020271	2852.537	0.094489	0.067637	1.397008
Bysl	ENSMUSG00000023988	1111.592	0.285075	0.07203	3.957699
Cacng4	ENSMUSG00000020723	671.2571	0.274166	0.093743	2.92465
Capns1	ENSMUSG00000001794	7831.109	0.173267	0.099748	1.737053
Dusp1	ENSMUSG00000024190	1621.648	0.147035	0.129289	1.137264
Vamp7	ENSMUSG00000051412	1300.889	0.202102	0.106957	1.889556
Llgl2	ENSMUSG00000020782	1019.866	0.099829	0.118525	0.842257
Mbtps1	ENSMUSG00000031835	3898.863	-0.0308	0.063726	-0.4833
Mad2l1bp	ENSMUSG00000034509	630.0116	0.156964	0.094231	1.665737
Rb1	ENSMUSG00000022105	1807.669	0.019353	0.095804	0.20201
Adsl	ENSMUSG00000022407	1443.835	0.245882	0.091405	2.690028
Hdac3	ENSMUSG00000024454	3438.7	0.130555	0.093294	1.399387
Sim1	ENSMUSG00000019913	337.9361	0.142845	0.13679	1.044262
Cox8a	ENSMUSG00000035885	11293.17	0.163096	0.112539	1.449245
Fcho2	ENSMUSG00000041685	944.4869	-0.04522	0.109623	-0.41248
Sec62	ENSMUSG00000027706	4304.85	0.191395	0.093708	2.042453
Csnk2a2	ENSMUSG00000046707	2160.519	0.060404	0.125887	0.479824
Med27	ENSMUSG00000026799	1078.197	0.215184	0.112738	1.908707
Rpp25	ENSMUSG00000062309	714.1239	0.309619	0.109961	2.815713
Rnf128	ENSMUSG00000031438	4752.899	0.082581	0.072074	1.145782
Taf5	ENSMUSG00000025049	446.4088	0.091109	0.098642	0.923633
Gpr137b	ENSMUSG00000021306	707.7561	-0.03175	0.101932	-0.31149
Sf3a1	ENSMUSG00000002129	2873.548	0.033872	0.077533	0.436876
Acot13	ENSMUSG00000006717	1226.623	0.086818	0.10637	0.816188
Fbxo5	ENSMUSG00000019773	1524.413	0.016421	0.084842	0.193551
Rpl31-ps8	ENSMUSG00000067870	2949.91	0.160592	0.106424	1.508977
Dynlrb1	ENSMUSG00000047459	4034.2	0.107395	0.122922	0.873682
Erlin1	ENSMUSG00000025198	1449.333	0.061803	0.09332	0.662268
Cpeb2	ENSMUSG00000039782	857.2274	0.055388	0.109988	0.503586

Hspbp1	ENSMUSG00000022849	448.9993	0.08789	0.085489	1.028095
Haspin	ENSMUSG00000050107	785.3155	0.064467	0.084803	0.760197
Mindy4	ENSMUSG00000038022	248.4885	0.057055	0.118991	0.479492
Tfb1m	ENSMUSG00000036983	310.0131	0.241086	0.115028	2.095892
9430037G	ENSMUSG00000097073	142.5274	0.200885	0.121599	1.652034
Ifi35	ENSMUSG00000010358	684.9946	0.141511	0.115802	1.222004
Hist3h2a	ENSMUSG00000078851	592.5336	0.022191	0.144945	0.153102
4930522L1	ENSMUSG00000072762	327.572	0.22796	0.088492	2.576057
Armcx2	ENSMUSG00000033436	4151.483	0.240165	0.085158	2.820222
Slc31a1	ENSMUSG00000066150	3521.627	0.145562	0.120863	1.204355
Kcnc4	ENSMUSG00000027895	129.6261	0.504314	0.135971	3.708973
Tuba1a	ENSMUSG00000072235	32527.64	0.276716	0.099798	2.772751
Mcm3ap	ENSMUSG00000001150	1666.437	-0.00356	0.078545	-0.04535
Prkcz	ENSMUSG00000029053	771.8727	0.196938	0.098319	2.003037
Serpinb6a	ENSMUSG00000060147	5037.776	0.11895	0.089774	1.325005
Praf2	ENSMUSG00000031149	1447.434	0.16516	0.087573	1.88597
Sdcbp2	ENSMUSG00000027456	307.8656	0.352209	0.128047	2.750627
Slc25a40	ENSMUSG00000054099	816.2238	0.1129	0.083197	1.357013
Med13	ENSMUSG00000034297	1883.872	-0.05249	0.113407	-0.46281
Snap29	ENSMUSG00000022765	1458.765	0.201574	0.072156	2.793597
Gng5	ENSMUSG00000068523	1447.339	0.241307	0.119364	2.021611
Hs3st1	ENSMUSG00000051022	115.0017	0.191294	0.144526	1.32359
Ddit4	ENSMUSG00000020108	1379.283	-0.01469	0.127562	-0.1152
Med7	ENSMUSG00000020397	1093.692	0.065333	0.070832	0.92237
Rbm48	ENSMUSG00000040302	480.9113	-0.00488	0.1174	-0.04158
Atp5g1	ENSMUSG00000006057	7459.072	0.319974	0.101365	3.156666
Dmtn	ENSMUSG00000022099	75.8911	0.426337	0.137703	3.096062
Fam160a1	ENSMUSG00000051000	355.4122	0.160146	0.110444	1.450019
Srm	ENSMUSG00000006442	2253.514	0.283759	0.076213	3.723262
CAAA0114	ENSMUSG000000095742	439.4627	0.112911	0.144106	0.783529
Armc2	ENSMUSG00000071324	245.1615	0.252435	0.112958	2.234767
Snx8	ENSMUSG00000029560	2106.353	0.495774	0.080083	6.190756
Sms	ENSMUSG00000071708	1150.037	0.099632	0.102437	0.972617
H2afx	ENSMUSG00000049932	3752.022	0.320268	0.128869	2.485227
Zfp930	ENSMUSG00000059897	494.8447	0.068177	0.113274	0.601876
Commd3	ENSMUSG000000051154	3049.394	0.026952	0.086287	0.312349
Orai2	ENSMUSG00000039747	1754.271	0.545458	0.093736	5.81906
Psma5	ENSMUSG00000068749	3509.471	0.213657	0.084407	2.531269
Pdzd11	ENSMUSG00000015668	2212.559	0.110861	0.098673	1.123518
Ormdl2	ENSMUSG00000025353	1039.066	0.221387	0.107243	2.064351
Chst10	ENSMUSG00000026080	529.9868	0.147112	0.129805	1.133328
Ctdspl	ENSMUSG00000047409	1967.222	0.084123	0.083748	1.004487
Onecut2	ENSMUSG00000045991	2726.045	-0.03462	0.101357	-0.34156
Tma7	ENSMUSG000000091537	4496.231	0.194383	0.106753	1.82086
Usp9x	ENSMUSG00000031010	7997.819	0.081634	0.102078	0.799716
Washc5	ENSMUSG00000022350	4682.226	0.142942	0.094672	1.509867
Mkl2	ENSMUSG00000009569	1210.005	0.050094	0.079068	0.633547
Cep97	ENSMUSG00000022604	797.3554	0.214141	0.09031	2.371182
Usp10	ENSMUSG00000031826	2351.514	0.148128	0.089022	1.66395
Gnai3	ENSMUSG00000000001	7044.871	0.215575	0.082808	2.60333
4930579G	ENSMUSG00000027811	1386.91	0.087836	0.120438	0.729304
Alkbh1	ENSMUSG00000079036	779.7371	0.106708	0.080985	1.317625

Rpp30	ENSMUSG00000024800	731.5557	0.232061	0.086941	2.669186
Kpna4	ENSMUSG00000027782	997.0296	0.180214	0.101136	1.781905
Tcf4	ENSMUSG00000053477	1758.82	0.208567	0.099575	2.094572
Rabepk	ENSMUSG00000070953	558.3345	0.284525	0.078802	3.610633
Cisd2	ENSMUSG00000028165	2764.988	0.051749	0.061211	0.84542
Dtl	ENSMUSG00000037474	1311.269	0.203676	0.093637	2.17517
Nipal1	ENSMUSG00000067219	2593.674	0.18664	0.119691	1.559345
Pi4kb	ENSMUSG00000038861	1859.303	0.117004	0.082223	1.423007
mt-Nd6	ENSMUSG00000064368	48759.88	0.078625	0.078448	1.002258
Lrrk2	ENSMUSG00000036273	254.8755	0.248889	0.145988	1.704862
Actg1	ENSMUSG00000062825	57407.95	0.180701	0.119699	1.509626
Rbm42	ENSMUSG00000036733	3333.393	0.173335	0.098009	1.768563
Traip	ENSMUSG00000032586	762.1379	0.171155	0.08212	2.084204
Nsdhl	ENSMUSG00000031349	1094.213	0.38881	0.103096	3.771327
Ube2m	ENSMUSG00000005575	4107.951	0.186081	0.100027	1.860307
Gm8186	ENSMUSG00000049124	525.6577	0.181176	0.113679	1.593758
Atxn2l	ENSMUSG00000032637	5815.932	0.082983	0.119752	0.692956
Slc16a13	ENSMUSG00000044367	83.87906	0.099638	0.127417	0.781979
Cox7a2	ENSMUSG00000032330	5859.078	0.086937	0.111942	0.776632
Gm20604	ENSMUSG00000041716	1556.067	0.145736	0.107696	1.353217
Tead1	ENSMUSG00000055320	1972.13	-0.07032	0.117516	-0.59839
Rhd	ENSMUSG00000028825	503.0887	0.358439	0.135352	2.648188
Pbx3	ENSMUSG00000038718	3394.26	0.143037	0.097362	1.469131
Fsd1	ENSMUSG00000011589	785.1537	0.314096	0.085117	3.690149
Xrn2	ENSMUSG00000027433	2007.268	0.064198	0.092564	0.693556
Haus7	ENSMUSG00000031371	869.0834	0.377655	0.123884	3.048455
Arf4	ENSMUSG00000021877	8697.878	0.147558	0.058681	2.514595
Rtf2	ENSMUSG00000027502	1536.32	0.030882	0.073758	0.4187
Mast4	ENSMUSG00000034751	1124.645	0.121312	0.117615	1.031429
H2afy2	ENSMUSG00000020086	1596.633	0.062875	0.107691	0.583852
Ccne2	ENSMUSG00000028212	2824.697	-0.02679	0.102774	-0.26068
Plpp3	ENSMUSG00000028517	55.0278	0.327086	0.145916	2.241607
Plagl2	ENSMUSG00000051413	559.7843	0.04288	0.102593	0.417967
Abhd14a	ENSMUSG00000042210	583.8718	0.266883	0.119025	2.24225
Trmo	ENSMUSG00000028331	257.6673	-0.01893	0.110756	-0.17095
Bloc1s6	ENSMUSG00000005804	771.3567	0.060866	0.086384	0.704597
Ngef	ENSMUSG00000026259	126.1603	0.313151	0.130284	2.403603
Tdrd7	ENSMUSG00000035517	924.3679	0.072333	0.113153	0.639246
Oxa1l	ENSMUSG00000000959	1759.86	0.143947	0.067359	2.136999
Rbbp4	ENSMUSG00000057236	10208.77	0.130513	0.078117	1.670741
Dscc1	ENSMUSG00000022422	571.1932	0.38437	0.097607	3.937938
Neo1	ENSMUSG00000032340	3818.734	0.112149	0.105196	1.066098
Sez6l	ENSMUSG00000058153	14543.5	0.126	0.124731	1.01017
Mrps31	ENSMUSG00000031533	808.5256	0.105129	0.069201	1.519186
Me2	ENSMUSG00000024556	2725.062	0.128773	0.075173	1.713015
Uqcrc1	ENSMUSG00000025651	3582.3	0.237184	0.083667	2.834853
Kat2a	ENSMUSG00000020918	2112.363	0.142109	0.051977	2.734088
2310022A	ENSMUSG00000049643	1211.899	0.214341	0.062451	3.432152
Melk	ENSMUSG00000035683	1841.871	0.011672	0.063954	0.182504
Myl6b	ENSMUSG00000039824	889.9524	0.333563	0.088326	3.776498
Pclaf	ENSMUSG00000040204	4894.072	0.183957	0.072486	2.537833
Fmr1	ENSMUSG00000000838	2788.28	0.042095	0.123524	0.340789

Fam199x	ENSMUSG00000042595	494.4184	0.309298	0.127908	2.418135
Uqcrc1	ENSMUSG000000107235	3582.4	0.237127	0.083634	2.835283
Fam13b	ENSMUSG00000036501	1244.303	0.128847	0.122368	1.052952
Erh	ENSMUSG00000021131	3356.832	0.057496	0.092123	0.624128
Rab8b	ENSMUSG00000036943	484.8741	0.278236	0.129216	2.153265
Hspa12a	ENSMUSG00000025092	3603.054	0.226704	0.09941	2.280487
Rlim	ENSMUSG00000056537	2493.733	0.196354	0.061352	3.200462
Ube2k	ENSMUSG00000029203	3323.154	0.177964	0.092181	1.930578
Pkd2l2	ENSMUSG00000014503	354.1226	0.149891	0.098472	1.522171
Ncoa6	ENSMUSG00000038369	2128.182	-0.01945	0.080681	-0.24112
Ostc	ENSMUSG00000041084	6128.417	0.168373	0.093633	1.798226
Tmem126a	ENSMUSG00000030615	1426.805	0.175024	0.102452	1.708356
Sel1l3	ENSMUSG00000029189	5569.788	0.273988	0.133744	2.048607
Dynll1	ENSMUSG00000009013	5399.346	0.144626	0.111288	1.299558
Chsy1	ENSMUSG00000032640	154.4372	0.163459	0.107913	1.514731
Ipo11	ENSMUSG00000042590	1427.729	0.198499	0.122269	1.623464
Hmgcs1	ENSMUSG00000093930	2843.987	0.437535	0.126092	3.469976
Ergic2	ENSMUSG00000030304	3039.41	0.060486	0.076974	0.785793
Sbf1	ENSMUSG00000036529	3258.281	0.21664	0.107955	2.00676
Zfyve19	ENSMUSG00000068580	1005.255	0.138239	0.094074	1.469472
Cops6	ENSMUSG00000019494	4548.185	0.165519	0.109127	1.516753
Strap	ENSMUSG00000030224	4399.065	0.159467	0.058351	2.7329
Lhx1	ENSMUSG00000018698	797.4055	-0.11843	0.11596	-1.0213
Dnmbp	ENSMUSG00000025195	425.6233	0.075439	0.089759	0.840461
Ddias	ENSMUSG00000030641	685.2519	0.14798	0.080602	1.835943
Pes1	ENSMUSG00000020430	1921.31	0.06055	0.07339	0.825047
Fnta	ENSMUSG00000015994	1076.94	0.255755	0.097073	2.634672
Degs1	ENSMUSG00000038633	8108.745	0.126403	0.112322	1.125361
Tubb2a	ENSMUSG00000058672	5498.384	0.381558	0.120479	3.167016
Ccna2	ENSMUSG00000027715	9150.139	0.024034	0.066462	0.361619
Drosha	ENSMUSG00000022191	1966.348	0.06767	0.076412	0.885589
Scgn	ENSMUSG00000021337	2586.745	0.27028	0.131748	2.051497
Ptpn4	ENSMUSG00000026384	1447.48	0.146648	0.10406	1.409272
Tbc1d30	ENSMUSG00000052302	880.3074	0.277831	0.115195	2.411826
Exoc6b	ENSMUSG00000033769	2569.329	0.219886	0.093775	2.344821
Zdbf2	ENSMUSG00000027520	1882.713	0.257565	0.11002	2.341063
Kpna3	ENSMUSG00000021929	2569.01	0.18964	0.090194	2.102582
Mpdz	ENSMUSG00000028402	1319.814	0.03091	0.112957	0.27364
Sec14l1	ENSMUSG00000020823	2735.458	0.216788	0.100192	2.163714
Ptcd3	ENSMUSG00000063884	1849.469	0.143477	0.070494	2.035305
Slc29a2	ENSMUSG00000024891	274.0176	0.415425	0.131765	3.152764
Zfp414	ENSMUSG00000073423	896.826	0.097696	0.095118	1.02711
Atp5k	ENSMUSG00000050856	2069.934	0.144443	0.117177	1.232693
Fbxl2	ENSMUSG00000032507	666.3019	0.009756	0.091941	0.106109
Gm2115	ENSMUSG00000097789	2092.043	-0.07169	0.142719	-0.50228
Dolpp1	ENSMUSG00000026856	555.0616	0.221377	0.105182	2.104696
Ddx49	ENSMUSG00000057788	2322.23	0.079612	0.090888	0.875937
Pfdn2	ENSMUSG00000006412	1744.953	0.167008	0.095463	1.749456
Oxct1	ENSMUSG00000022186	8706.213	0.140092	0.058109	2.41085
Ptpn21	ENSMUSG00000021009	3425.537	0.368367	0.111071	3.316511
Cthrc1	ENSMUSG00000054196	101.5906	0.12663	0.134217	0.943471
Mcu	ENSMUSG00000009647	617.2337	0.097912	0.09599	1.020021

Ywhah	ENSMUSG00000018965	14129.19	0.14979	0.113832	1.315892
Smad7	ENSMUSG00000025880	460.0554	0.041276	0.128863	0.320309
1810055G	ENSMUSG00000035372	951.9235	0.201905	0.091023	2.218186
Apbb2	ENSMUSG00000029207	627.5297	0.092104	0.101148	0.910584
Fam50a	ENSMUSG00000001962	2587.418	0.049367	0.097217	0.507805
Rph3a	ENSMUSG00000029608	4280.174	0.139468	0.132921	1.049257
Wee1	ENSMUSG00000031016	1240.277	0.170557	0.084088	2.028313
Gm2004	ENSMUSG000000095648	53.98199	0.17669	0.145633	1.21326
Pbdc1	ENSMUSG00000031226	1749.043	0.15307	0.093612	1.635147
Rbmxl1	ENSMUSG00000037070	3924.386	0.09851	0.074933	1.314639
Ids	ENSMUSG00000035847	12977.52	0.078489	0.112499	0.697682
Arl6ip5	ENSMUSG00000035199	2285.751	0.258676	0.100861	2.564685
Prdx1	ENSMUSG00000028691	12815.46	0.071473	0.067563	1.057872
Kif20b	ENSMUSG00000024795	1727.904	0.092727	0.117799	0.787162
Kctd8	ENSMUSG00000037653	80.72001	0.239185	0.138137	1.731503
Rasd1	ENSMUSG00000049892	768.2701	0.10274	0.093603	1.097621
Mt3	ENSMUSG00000031760	4873.784	0.431318	0.117957	3.656572
Pgr15l	ENSMUSG00000031212	167.4262	0.092561	0.119954	0.77164
Gm3636	ENSMUSG00000091754	579.5738	0.261743	0.132564	1.974468
Ppig	ENSMUSG00000042133	2683.082	0.076697	0.110628	0.693292
Rnf14	ENSMUSG00000060450	7170.25	0.198718	0.061792	3.215946
Cthrc1	ENSMUSG000000106929	101.5906	0.12663	0.134217	0.943471
Necap1	ENSMUSG00000030327	3035.071	0.193069	0.055988	3.448425
Atp6v0d1	ENSMUSG00000013160	10136.49	0.129465	0.101112	1.280401
Ercc3	ENSMUSG00000024382	1241.947	0.134076	0.082397	1.627185
Ndufaf4	ENSMUSG00000028261	1523.036	0.201196	0.09043	2.224882
Phf21a	ENSMUSG00000058318	1074.691	0.144816	0.113908	1.271341
Rpl36al	ENSMUSG00000049751	7440.081	0.12093	0.099959	1.209804
Gnpda1	ENSMUSG00000052102	2524.314	0.202558	0.063317	3.199097
Rfk	ENSMUSG00000024712	4093.262	-0.08298	0.070176	-1.1824
Dap	ENSMUSG00000039168	8895.828	0.183959	0.12097	1.520701
Gps1	ENSMUSG00000025156	6458.381	0.182011	0.065135	2.794382
Rpl28	ENSMUSG00000030432	7332.091	0.217426	0.123316	1.76316
Tmem134	ENSMUSG00000097394	835.0226	-0.0714	0.118279	-0.6037
Ufc1	ENSMUSG00000062963	3379.035	0.090103	0.099973	0.901265
Hat1	ENSMUSG00000027018	4049.461	0.297227	0.073992	4.016997
Sec23a	ENSMUSG00000020986	666.6466	0.347662	0.114668	3.031892
Gcsh	ENSMUSG00000034424	1352.996	0.316213	0.145794	2.168901
Fam98a	ENSMUSG00000002017	2357.351	0.162957	0.089761	1.815468
Rsu1	ENSMUSG00000026727	980.4391	0.357437	0.107279	3.331852
Hes1	ENSMUSG00000022528	400.7997	-0.02405	0.117827	-0.20411
Ppif	ENSMUSG00000021868	1381.127	0.270251	0.092173	2.932002
Mrps36	ENSMUSG00000061474	1776.902	0.208435	0.106351	1.959873
Tm6sf1	ENSMUSG00000038623	1434.182	0.46677	0.144946	3.22031
Lin54	ENSMUSG00000035310	1297.221	0.112263	0.112206	1.000509
Nfe2l1	ENSMUSG00000038615	5802.644	0.262608	0.086036	3.052295
Al506816	ENSMUSG000000105987	14306.36	0.043222	0.112702	0.383506
Tacc3	ENSMUSG00000037313	3527.652	0.089661	0.084914	1.055899
Gsk3b	ENSMUSG00000022812	1630.285	0.061025	0.076706	0.795565
Fancc	ENSMUSG00000021461	543.7591	0.265833	0.0935	2.843151
Crcp	ENSMUSG00000025532	825.2196	0.104387	0.097398	1.071755
Faf1	ENSMUSG00000010517	3981.631	0.18575	0.066284	2.802344

Ercc6l	ENSMUSG000000051220	1379.574	0.152057	0.10051	1.512858
Gps2	ENSMUSG000000023170	2435.461	0.077056	0.076392	1.008684
Pam16	ENSMUSG000000014301	542.7947	0.165782	0.125843	1.317378
Selenop	ENSMUSG000000064373	3596.905	-0.06541	0.142822	-0.458
Mum1l1	ENSMUSG000000042515	978.2059	0.085688	0.109323	0.783805
Zfand6	ENSMUSG000000030629	3744.46	0.188641	0.072629	2.597329
Timm8b	ENSMUSG000000039016	1381.869	0.136167	0.108024	1.260523
Fancg	ENSMUSG000000028453	792.9269	0.154806	0.079172	1.955313
Sypl	ENSMUSG000000020570	1276.969	0.264734	0.078604	3.367954
Tmem9	ENSMUSG000000026411	1881.364	0.054217	0.108137	0.501371
A630095E1	ENSMUSG000000070313	149.6837	0.019158	0.122102	0.156901
Cnih1	ENSMUSG000000015759	3907.252	0.111116	0.076592	1.450756
Eya3	ENSMUSG000000028886	1636.021	0.191337	0.081581	2.345349
Atp5o	ENSMUSG000000022956	10487.31	0.230915	0.096546	2.391759
Uqcr10	ENSMUSG000000059534	3749.293	0.202771	0.108048	1.876674
Smpdl3a	ENSMUSG000000019872	1342.575	0.122277	0.133333	0.917082
Acvr1	ENSMUSG000000026836	717.5006	0.164947	0.074723	2.207449
Rps6	ENSMUSG000000028495	15017.26	0.138644	0.090322	1.53499
Mrps5	ENSMUSG000000027374	1408.294	0.113091	0.09524	1.187434
Nln	ENSMUSG000000021710	292.9434	0.188391	0.087498	2.153078
Zdhhc14	ENSMUSG000000034265	997.67	0.220476	0.066918	3.294739
Vps53	ENSMUSG000000017288	2107.78	0.224509	0.098865	2.270859
Abcf3	ENSMUSG000000003234	1994.064	0.103089	0.089884	1.146912
Eif3l	ENSMUSG000000033047	6463.168	0.096185	0.063322	1.518991
Plpbp	ENSMUSG000000031485	2395.317	0.10722	0.088286	1.214464
Nr6a1	ENSMUSG000000063972	429.6287	0.151412	0.109466	1.38318
Ankrd52	ENSMUSG000000014498	2868.96	0.285864	0.135089	2.116117
Spast	ENSMUSG000000024068	1529.886	0.303276	0.074731	4.058228
Ergic1	ENSMUSG000000001576	7164.526	0.329279	0.092289	3.567893
Zfp275	ENSMUSG000000031365	1715.244	0.135976	0.101901	1.334399
Hus1	ENSMUSG000000020413	579.3551	0.136566	0.101786	1.341702
Dynlt1b	ENSMUSG000000096255	8035.072	0.140323	0.123523	1.136008
Sec23b	ENSMUSG000000027429	5104.576	0.115904	0.067208	1.724548
Bhlhe40	ENSMUSG000000030103	1361.524	-0.06288	0.111523	-0.56383
Klf7	ENSMUSG000000025959	1023.574	0.073962	0.089516	0.826247
Atp5j2	ENSMUSG000000038690	5626.253	0.170649	0.107844	1.582369
Alg2	ENSMUSG000000039740	5141.268	0.050744	0.086951	0.583593
Sesn1	ENSMUSG000000038332	782.9324	0.297844	0.104857	2.840478
Etf1	ENSMUSG000000024360	5396.693	0.219045	0.07017	3.121626
Aqp11	ENSMUSG000000042797	431.4483	0.292709	0.134837	2.170833
Tmem206	ENSMUSG000000026627	2989.545	0.218372	0.080731	2.704918
Tceal8	ENSMUSG000000051579	1744.271	0.190542	0.106946	1.781666
Myadm	ENSMUSG000000068566	2301.626	0.100158	0.069803	1.434854
Rras2	ENSMUSG000000055723	1312.718	0.140621	0.086346	1.628572
Carmil2	ENSMUSG000000050357	1210.287	0.458724	0.10791	4.250984
Orc1	ENSMUSG000000028587	296.9602	0.212525	0.095385	2.228069
Rab5a	ENSMUSG000000017831	2405.704	0.216786	0.105884	2.047383
Xpr1	ENSMUSG000000026469	1678.857	0.43905	0.097594	4.498751
2300009A	ENSMUSG000000032403	1028.75	0.071757	0.116866	0.614006
Zfp563	ENSMUSG000000067424	112.1746	0.093704	0.139999	0.66932
Tbc1d13	ENSMUSG000000039678	1223.566	0.15006	0.059482	2.522798
Armc8	ENSMUSG000000032468	1937.349	0.09122	0.073245	1.24541

Pim2	ENSMUSG000000031155	2316.851	0.373631	0.107884	3.463259
Slc35a2	ENSMUSG000000031156	901.4914	0.268955	0.11883	2.263354
Dbt	ENSMUSG000000000340	509.0256	0.112533	0.088355	1.273647
Ascc3	ENSMUSG000000038774	2538.266	0.099953	0.116403	0.858678
Prkaca	ENSMUSG000000005469	5827.867	0.1925	0.067377	2.85707
Grin1	ENSMUSG000000026959	2916.675	0.316382	0.114464	2.764019
Arpc4	ENSMUSG000000079426	2396.909	0.178402	0.104155	1.712861
Hist1h2bc	ENSMUSG000000018102	1018.553	0.020417	0.145368	0.140448
Prdx3	ENSMUSG000000024997	2606.949	0.271155	0.096149	2.820141
Gstm5	ENSMUSG000000004032	1546.102	0.137182	0.08531	1.608051
mt-Nd5	ENSMUSG000000064367	104790.1	0.005595	0.102853	0.054393
Aldh18a1	ENSMUSG000000025007	4180.301	0.059812	0.137911	0.433699
Prep	ENSMUSG000000019849	2156.373	0.070941	0.069636	1.018736
Map2	ENSMUSG000000015222	7692.38	0.182475	0.114359	1.595633
Nmt1	ENSMUSG000000020936	3576.719	0.053287	0.06945	0.767262
Srrt	ENSMUSG000000037364	5973.23	0.179234	0.050493	3.549673
Tpt1	ENSMUSG000000060126	38056.92	0.105921	0.118357	0.894931
Ap2m1	ENSMUSG000000022841	16814.31	0.296457	0.084731	3.498802
Slc19a2	ENSMUSG000000040918	967.9466	0.292361	0.143492	2.037473
Grid1	ENSMUSG000000041078	179.1547	-0.05587	0.142798	-0.39128
Gap43	ENSMUSG000000047261	911.0972	0.34996	0.123429	2.835309
Foxj3	ENSMUSG000000032998	2917.206	0.274737	0.067938	4.043918
Nup43	ENSMUSG000000040034	1091.627	0.403203	0.082357	4.895775
Rpl37	ENSMUSG000000041841	5305.511	0.098989	0.116191	0.851949
Emb	ENSMUSG000000021728	16588.95	0.329757	0.080423	4.100269
Ncapd3	ENSMUSG000000035024	3058.516	0.001061	0.070539	0.015037
0610009B2	ENSMUSG000000007777	1327.748	0.126677	0.070462	1.797798
Pgap1	ENSMUSG000000073678	3604.044	0.258559	0.111385	2.321313
Gm10288	ENSMUSG000000070343	2570.022	0.189649	0.11541	1.643259
Gcg	ENSMUSG000000000394	30581.59	0.224639	0.128746	1.744825
Acat2	ENSMUSG000000023832	2253.744	0.419429	0.100244	4.184082
Ube2j1	ENSMUSG000000028277	5503.673	0.148013	0.060486	2.447048
Rer1	ENSMUSG000000029048	4420.757	0.156275	0.085969	1.81781
Rel1	ENSMUSG000000047881	1570.853	0.085611	0.066011	1.296918
Errfi1	ENSMUSG000000028967	2624.311	0.126197	0.083088	1.518833
Rpl31	ENSMUSG000000073702	6730.667	0.151212	0.107008	1.413097
Wdr19	ENSMUSG000000037890	435.6619	0.107602	0.094785	1.135225
Kn1	ENSMUSG000000027326	1367.069	-0.00323	0.125088	-0.0258
Ccdc124	ENSMUSG000000007721	2186.107	0.154191	0.105118	1.466838
Snrpc	ENSMUSG000000024217	2212.958	0.221756	0.106672	2.078864
Tubb2b	ENSMUSG000000045136	387.7736	0.56484	0.110735	5.100814
Zmym1	ENSMUSG000000043872	738.8377	0.324998	0.104136	3.120897
Mphosph8	ENSMUSG000000079184	2066.101	0.22051	0.083588	2.638045
Rps26	ENSMUSG000000025362	8535.699	0.20407	0.117173	1.741618
Pcp4	ENSMUSG000000090223	6374.766	0.348387	0.14318	2.433203
Glo1	ENSMUSG000000024026	1630.582	0.229566	0.101127	2.270068
1110008P1	ENSMUSG000000039195	2047.077	0.190475	0.11878	1.603595
Olfr1217	ENSMUSG0000000101391	2087.987	0.413691	0.080488	5.139784
Cldn11	ENSMUSG000000037625	460.5238	0.438918	0.127636	3.438832
Ndufaf5	ENSMUSG000000027384	744.827	0.427402	0.082337	5.190906
Gm15564	ENSMUSG000000086324	491.1599	0.129995	0.128162	1.014301
Mrpl42	ENSMUSG000000062981	2365.045	0.252777	0.092848	2.722496

Klhl18	ENSMUSG00000054792	414.8468	0.222156	0.078771	2.820272
Pxylp1	ENSMUSG00000043587	574.7142	0.147168	0.125216	1.175317
Rsrp1	ENSMUSG00000037266	10167.21	0.013273	0.109961	0.120704
Polk	ENSMUSG00000021668	442.1749	0.094649	0.091348	1.036135
Cplx1	ENSMUSG00000033615	140.005	0.261469	0.131181	1.993188
Pip4p2	ENSMUSG00000028221	895.6905	0.223972	0.092436	2.423002
Cox7b	ENSMUSG00000031231	4090.946	0.211664	0.110179	1.921098
Mapk6	ENSMUSG00000042688	2798.21	0.199356	0.092072	2.165214
Nup98	ENSMUSG00000063550	2376.113	0.009205	0.095493	0.096391
Fcgbp	ENSMUSG00000047730	80.20265	0.583658	0.131319	4.444572
Rap1b	ENSMUSG00000052681	13480.59	0.176722	0.11703	1.510059
Rpl5	ENSMUSG00000058558	2015.962	0.098766	0.075879	1.301631
Ldb1	ENSMUSG00000025223	1990.514	-0.06008	0.061517	-0.97661
Bag4	ENSMUSG00000037316	654.6702	0.106857	0.098119	1.089046
Nova1	ENSMUSG00000021047	1235.695	0.148038	0.085532	1.730778
Cep126	ENSMUSG00000040729	744.7954	0.310635	0.144656	2.147403
Copz1	ENSMUSG00000060992	6035.108	0.135252	0.079713	1.696738
Gyg	ENSMUSG00000019528	1330.747	0.063334	0.079562	0.796031
Zfhx2	ENSMUSG00000040721	3039.581	0.067435	0.113436	0.594478
Emd	ENSMUSG00000001964	3498.706	0.188395	0.0714	2.638581
Zfp738	ENSMUSG00000048280	403.8822	0.304039	0.085618	3.551108
Gng3	ENSMUSG00000071658	1738.941	0.643639	0.094966	6.777581
Impact	ENSMUSG00000024423	1733.508	0.275033	0.107595	2.556196
Ptprd	ENSMUSG00000028399	1180.551	0.183754	0.124207	1.479418
Mrps7	ENSMUSG00000046756	1856.908	0.267318	0.089652	2.981736
Svbp	ENSMUSG00000028643	141.6699	0.180364	0.144129	1.25141
Klhl42	ENSMUSG00000040102	1192.49	0.108857	0.089322	1.218705
Mthfs	ENSMUSG00000066442	201.4708	0.285029	0.13096	2.176464
Mapre1	ENSMUSG00000027479	8068.662	0.09032	0.06912	1.306715
Kat5	ENSMUSG00000024926	1596.97	0.276258	0.075724	3.648201
Hsd17b10	ENSMUSG00000025260	828.3966	0.32044	0.112081	2.859004
Scamp3	ENSMUSG00000028049	2860.985	0.24462	0.075999	3.218738
Bahd1	ENSMUSG00000040007	1349.329	0.139244	0.065206	2.135462
Ybx1	ENSMUSG00000028639	15915.37	0.198522	0.056283	3.527209
Socs1	ENSMUSG00000038037	50.26864	0.253425	0.145595	1.740617
Ccnk	ENSMUSG00000021258	1649.413	0.173892	0.064204	2.708444
Pole3	ENSMUSG00000028394	1693.401	0.277808	0.073788	3.764953
Dpagt1	ENSMUSG00000032123	1119.631	0.282181	0.078781	3.581835
Msl2	ENSMUSG00000066415	1135.332	0.065275	0.099915	0.653307
Ubtd2	ENSMUSG00000044949	353.1834	0.400113	0.133752	2.991458
Ndufa4	ENSMUSG00000029632	6572.039	0.164664	0.115251	1.42874
Pxmp2	ENSMUSG00000029499	74.17327	0.420443	0.140588	2.990604
Snai2	ENSMUSG00000022676	184.03	0.063608	0.133852	0.475213
Chchd10	ENSMUSG00000049422	3764.22	0.250106	0.143681	1.740712
Ppp6c	ENSMUSG00000026753	3778.326	0.229826	0.056172	4.091482
Hectd4	ENSMUSG00000042744	2310.527	0.042956	0.096925	0.443184
Ln timer	ENSMUSG00000009207	719.956	0.148586	0.114362	1.29926
Phb	ENSMUSG00000038845	3508.815	0.212261	0.065064	3.262327
Stip1	ENSMUSG00000024966	7842.834	0.245795	0.062558	3.929089
Cip2a	ENSMUSG00000033031	2688.418	0.060823	0.091792	0.66261
Uba6	ENSMUSG00000035898	1213.107	0.187955	0.107044	1.75587
mt-Rnr1	ENSMUSG00000064337	13329.41	0.135937	0.119004	1.142282

Dlg3	ENSMUSG00000000881	1278.84	0.138515	0.0858	1.6144
Fads1	ENSMUSG00000010663	10607.81	0.15247	0.136264	1.118934
Txn1	ENSMUSG00000028367	5761.69	0.150978	0.093429	1.615973
Pcgf3	ENSMUSG00000033623	2046.812	-0.03176	0.077589	-0.40934
Atp5c1	ENSMUSG00000025781	9437.1	0.153569	0.084398	1.819594
Tmem258	ENSMUSG00000036372	3125.45	0.105386	0.098976	1.064764
Dnaja2	ENSMUSG00000031701	5746.198	0.119457	0.077259	1.546203
Timmdc1	ENSMUSG00000002846	716.3266	-0.03378	0.089839	-0.37597
Pcdhb18	ENSMUSG00000048347	126.9202	0.271457	0.131508	2.064188
Tmem45b	ENSMUSG00000041737	525.0265	0.603376	0.145756	4.139627
Ttc39b	ENSMUSG00000038172	1743.543	0.371626	0.107644	3.452378
Smarcc1	ENSMUSG00000032481	3143.02	0.181893	0.080819	2.250608
Penk	ENSMUSG00000045573	444.297	0.130441	0.142236	0.917073
mt-Nd1	ENSMUSG00000064341	158431.4	0.226912	0.057818	3.924622
Itgb1bp1	ENSMUSG00000062352	824.6631	0.18939	0.098274	1.927163
Cenph	ENSMUSG00000045273	854.958	0.365352	0.082859	4.409322
Fbxo48	ENSMUSG00000044966	87.61721	0.219323	0.144972	1.512866
Crat	ENSMUSG00000026853	1487.089	0.207977	0.099155	2.097504
Syt14	ENSMUSG00000016200	1446.646	0.201638	0.109619	1.839454
Tmem60	ENSMUSG00000045435	844.4734	0.08725	0.101858	0.856583
Zfp420	ENSMUSG00000058402	208.0524	0.178124	0.117535	1.515493
Zik1	ENSMUSG00000030393	320.4803	0.252777	0.115315	2.19206
Cnn3	ENSMUSG00000053931	3353.125	0.140811	0.062855	2.240241
Cdh16	ENSMUSG00000031881	352.425	0.527148	0.134684	3.913959
Ppih	ENSMUSG00000060288	1018.371	0.23128	0.110085	2.100929
Cbx5	ENSMUSG00000009575	8763.95	0.181747	0.075959	2.392689
Spry3	ENSMUSG00000061654	147.2657	0.181316	0.117236	1.546585
E2f6	ENSMUSG00000057469	1000.236	0.230149	0.080356	2.864104
Chtf18	ENSMUSG00000019214	965.8016	0.298229	0.079061	3.772122
AW549877	ENSMUSG00000041935	2871.707	0.143323	0.124324	1.152813
Fam110c	ENSMUSG00000036136	117.9969	0.303906	0.112973	2.690072
Ndufa3	ENSMUSG00000035674	2402.068	0.26931	0.117038	2.301043
Nup62	ENSMUSG000000109511	3355.794	0.306319	0.065012	4.711711
1810022K	ENSMUSG00000078784	1295.399	0.167158	0.096566	1.731021
Arf2	ENSMUSG00000062421	2512.165	0.422398	0.10433	4.048656
Npc2	ENSMUSG00000021242	6409.811	0.094877	0.119193	0.795989
Aldh5a1	ENSMUSG00000035936	3135.085	0.440592	0.126088	3.494331
Entpd6	ENSMUSG00000033068	256.7173	0.304117	0.101342	3.000894
Gdap2	ENSMUSG00000027865	1672.088	0.206723	0.077202	2.677679
Zfp871	ENSMUSG00000024298	220.6553	0.116554	0.145852	0.799126
N4bp2	ENSMUSG00000037795	534.5901	0.251114	0.131754	1.905924
Scfd1	ENSMUSG00000020952	4983.362	0.173406	0.076664	2.261878
Cenpw	ENSMUSG00000075266	1143.428	0.188685	0.105658	1.785816
mt-Atp8	ENSMUSG00000064356	13021.41	0.047497	0.136633	0.347626
Pcnp	ENSMUSG00000071533	4037.312	0.084214	0.058115	1.449092
Rora	ENSMUSG00000032238	1173.392	0.081372	0.142508	0.570996
Dzip3	ENSMUSG00000064061	955.1319	0.147211	0.13375	1.100645
Kctd5	ENSMUSG00000016946	1213.247	0.427283	0.105809	4.038255
Rpl10a	ENSMUSG00000037805	5639.518	0.167001	0.100813	1.656535
Dad1	ENSMUSG00000022174	7307.079	0.118828	0.089821	1.322945
Gm20716	ENSMUSG00000093752	3496.311	-0.02574	0.078906	-0.32622
Calm3	ENSMUSG00000019370	11124.24	0.319219	0.111817	2.854844

Ptp4a1	ENSMUSG00000026064	4437.347	-0.02569	0.079448	-0.3234
Skp2	ENSMUSG00000054115	1023.722	0.147471	0.078436	1.880141
Rack1	ENSMUSG00000020372	19690.38	0.139159	0.106398	1.307911
Sik1	ENSMUSG00000024042	631.4575	0.245011	0.103322	2.37134
2810025M	ENSMUSG00000049881	2612.749	0.347272	0.126125	2.753406
Upp1	ENSMUSG00000020407	600.7088	0.501269	0.104853	4.780674
Klhl9	ENSMUSG00000070923	2827.064	0.18138	0.071474	2.537687
Tmem104	ENSMUSG00000045980	656.8363	0.330293	0.09413	3.508893
Sumo2	ENSMUSG00000020738	8697.24	0.128953	0.085606	1.506368
Cnnm4	ENSMUSG00000037408	759.0917	0.398656	0.088479	4.505675
Scoc	ENSMUSG00000063253	6643.762	0.281447	0.093058	3.02441
Glrx	ENSMUSG00000021591	2708.136	0.261234	0.112745	2.317031
Spsb3	ENSMUSG00000024160	1296.069	0.230434	0.099315	2.320232
Fbp1	ENSMUSG00000069805	235.6806	0.315823	0.145756	2.166791
Gpx2	ENSMUSG00000042808	5284.232	0.554861	0.12271	4.521729
9030612EC	ENSMUSG00000045008	53.22622	-0.02694	0.14197	-0.18979
Gsdma	ENSMUSG00000017204	3977.732	0.579569	0.121851	4.756384
mt-Nd4	ENSMUSG00000064363	175901.7	0.114076	0.069191	1.648715
mt-Co3	ENSMUSG00000064358	233004.9	0.096569	0.072154	1.338376
Rps14	ENSMUSG00000024608	12574.58	0.094913	0.109614	0.865876
Ddt	ENSMUSG00000001666	1441.77	0.221162	0.086816	2.547482
Nup85	ENSMUSG00000020739	4012.124	0.178938	0.071869	2.489771
Spry4	ENSMUSG00000024427	447.1138	0.267051	0.131583	2.029528
Armc6	ENSMUSG00000002343	858.1796	0.249925	0.068625	3.641865
2610002M	ENSMUSG00000031242	1109.232	-0.02984	0.091194	-0.32719
Msra	ENSMUSG00000054733	448.3547	0.232956	0.117716	1.978963
Ap2a1	ENSMUSG00000060279	6825.274	0.268181	0.080403	3.335452
Sdc4	ENSMUSG00000017009	472.6091	0.202653	0.13615	1.488446
Rassf8	ENSMUSG00000030259	1272.574	0.211216	0.109836	1.923006
Mad2l1	ENSMUSG00000029910	4375.239	0.153463	0.084136	1.823987
Tspan5	ENSMUSG00000028152	3430.987	0.115797	0.06035	1.918749
Rprd1a	ENSMUSG00000040446	3469.46	0.321567	0.068304	4.707895
Poc1a	ENSMUSG00000023345	1049.411	0.285308	0.085395	3.341042
Rpl12	ENSMUSG00000038900	551.8825	0.120401	0.117144	1.027806
Fibcd1	ENSMUSG00000026841	633.5281	0.781025	0.145541	5.366336
Fundc2	ENSMUSG00000031198	2562.139	0.141608	0.078206	1.810707
Grhl3	ENSMUSG00000037188	90.66802	0.489359	0.132708	3.687487
Map1lc3b	ENSMUSG00000031812	4585.838	0.068808	0.105543	0.651946
Gm14419	ENSMUSG00000078875	142.6741	0.190745	0.136459	1.397822
Sphk2	ENSMUSG00000057342	1272.52	0.353111	0.061341	5.756503
Pabpc1	ENSMUSG00000022283	15956.89	0.152817	0.106387	1.436426
Hadh	ENSMUSG00000027984	1836.878	0.421976	0.13409	3.146962
mt-Co1	ENSMUSG00000064351	433405.4	-0.03465	0.089748	-0.38609
Gramd3	ENSMUSG00000001700	3687.204	0.392852	0.118384	3.318448
Atp8b2	ENSMUSG00000060671	903.0663	0.189744	0.111189	1.706498
Ucp2	ENSMUSG00000033685	10913.35	0.283847	0.12667	2.240841
S100a1	ENSMUSG00000044080	1722.588	0.20466	0.106324	1.924866
Cul1	ENSMUSG00000029686	3112.84	0.018308	0.093323	0.196177
Zfp280b	ENSMUSG00000049764	975.7556	0.246815	0.103266	2.390082
Rmrp	ENSMUSG00000088088	46.61344	-0.04419	0.080069	-0.55193
Plp2	ENSMUSG00000031146	4521.63	0.146764	0.077403	1.896111
Cox5a	ENSMUSG00000000088	6676.802	0.323918	0.111498	2.905151

Tmem141	ENSMUSG00000026939	419.3459	0.337841	0.126144	2.678208
Gprasp1	ENSMUSG00000043384	1932.902	0.256716	0.110867	2.315528
Trappc13	ENSMUSG00000021711	2310.76	0.200699	0.056078	3.57895
St3gal1	ENSMUSG00000013846	789.0076	0.431503	0.125522	3.43768
Nme6	ENSMUSG00000032478	538.3195	0.252393	0.097337	2.592991
Sgo1	ENSMUSG00000023940	1150.937	0.027798	0.099399	0.279661
Snhg4	ENSMUSG00000097769	583.1531	0.469153	0.093307	5.028063
Ptp4a2	ENSMUSG00000028788	4800.086	0.000998	0.091466	0.010912
Nt5dc2	ENSMUSG00000071547	9451.193	0.299695	0.087061	3.442359
Zfp148	ENSMUSG00000022811	1715.104	0.013581	0.113871	0.119267
Tspan4	ENSMUSG00000025511	667.8063	0.118928	0.100993	1.177589
Mdh1	ENSMUSG00000020321	25406.1	0.537281	0.086066	6.242643
Nme2	ENSMUSG00000020857	7019.599	0.27424	0.095604	2.868486
Manea	ENSMUSG00000040520	537.1761	0.017833	0.097317	0.183249
Zfp91	ENSMUSG00000024695	4928.839	0.085786	0.098224	0.873363
Slc30a7	ENSMUSG00000054414	1845.298	-0.08651	0.109464	-0.7903
Gtpbp4	ENSMUSG00000021149	1482.252	0.160631	0.063412	2.533106
Syndig1l	ENSMUSG00000071234	3381.196	0.164084	0.089021	1.843203
Zfp185	ENSMUSG00000031351	3544.86	0.293441	0.087408	3.357128
mt-Nd2	ENSMUSG00000064345	92600.02	0.226521	0.089258	2.537839
Esf1	ENSMUSG00000045624	919.6475	0.178254	0.101109	1.762986
Cep192	ENSMUSG00000024542	1834.862	0.139656	0.122157	1.143253
Lurap1	ENSMUSG00000028701	221.806	0.187496	0.133057	1.409136
Atrip	ENSMUSG00000025646	533.8846	0.444051	0.090902	4.884941
Med19	ENSMUSG00000027080	1129.834	0.211513	0.093068	2.272677
Ndufa11	ENSMUSG00000002379	3685.669	0.156412	0.106801	1.46452
Fancb	ENSMUSG00000047757	548.3338	0.195464	0.101284	1.929862
Txndc9	ENSMUSG00000058407	2416.008	0.098932	0.08152	1.213593
Cdc45	ENSMUSG00000000028	2585.529	0.288628	0.079656	3.623419
Nfic	ENSMUSG00000055053	5590.359	0.373626	0.074496	5.015385
Ammecr1	ENSMUSG00000042225	341.9226	0.352865	0.109051	3.235784
Tspan7	ENSMUSG00000058254	14168.22	0.077445	0.052626	1.47162
Kpna1	ENSMUSG00000022905	2125.987	0.418566	0.075025	5.579
AU022252	ENSMUSG00000078584	678.0767	0.264917	0.112533	2.354116
Yrdc	ENSMUSG00000028889	1773.138	0.202107	0.09909	2.039624
Gm17201	ENSMUSG00000090761	390.5512	0.472485	0.111423	4.240447
Map3k3	ENSMUSG00000020700	902.6094	0.178888	0.118766	1.506214
Scml4	ENSMUSG00000044770	207.4447	0.381789	0.107644	3.546779
Tpst2	ENSMUSG00000029344	1867.326	0.203233	0.097006	2.095049
Tmem97	ENSMUSG00000037278	2443.293	0.347417	0.133592	2.600584
Kif3c	ENSMUSG00000020668	952.8643	0.421018	0.077666	5.420906
Cul4b	ENSMUSG00000031095	1594.327	0.206166	0.098256	2.098263
Dscr3	ENSMUSG00000022898	2625.163	0.124857	0.08239	1.515449
Cenpq	ENSMUSG00000023919	1059.619	0.232198	0.080543	2.882909
Srd5a1	ENSMUSG00000021594	469.2022	0.374879	0.128805	2.910452
Mmd	ENSMUSG00000003948	1806.689	0.402075	0.12357	3.253839
Rpl23	ENSMUSG00000071415	11186.31	0.084611	0.119411	0.708567
Zfp850	ENSMUSG00000096916	431.72	0.239891	0.103149	2.325678
Cggbp1	ENSMUSG00000054604	3596.488	0.301453	0.08091	3.725786
Mob3a	ENSMUSG00000003348	852.2333	0.392681	0.116782	3.362517
Soat1	ENSMUSG00000026600	1964.201	-0.00076	0.081402	-0.00939
Jrk	ENSMUSG00000046380	345.6564	-0.04498	0.082825	-0.54304

mt-Atp6	ENSMUSG00000064357	171096.3	0.092749	0.065727	1.411123
Gm45606	ENSMUSG000000109715	982.2151	0.305697	0.098443	3.105324
Pias1	ENSMUSG000000032405	1405.297	0.026101	0.087469	0.298406
mt-Co2	ENSMUSG000000064354	184168.4	0.063455	0.075338	0.842278
Neurod1	ENSMUSG000000034701	6817.062	-0.03331	0.125	-0.26648
Cdk1	ENSMUSG000000020990	122.0112	0.606998	0.14433	4.205621
Anxa6	ENSMUSG000000018340	5179.867	0.273582	0.088258	3.099789
Lbhd1	ENSMUSG000000096740	404.962	0.516961	0.141421	3.655479
Ap1g1	ENSMUSG000000031731	3828.24	0.173604	0.080994	2.143404
Gm17655	ENSMUSG000000090963	186.4012	0.194408	0.136045	1.428994
Mdn1	ENSMUSG000000058006	1041.264	0.286766	0.117723	2.435946
Igf2os	ENSMUSG000000086266	2170.551	0.186811	0.140937	1.325495
Zfp384	ENSMUSG000000038346	1797.508	-0.01825	0.088336	-0.20658
Fsd1l	ENSMUSG000000054752	1903.778	-0.01647	0.111267	-0.14806
Fyn	ENSMUSG000000019843	1344.068	0.185388	0.121658	1.523845
Mrm3	ENSMUSG000000038046	369.0567	0.320592	0.091943	3.486853
Cfl2	ENSMUSG000000062929	3337.104	0.341306	0.091117	3.745795
Hadhb	ENSMUSG000000059447	2035.604	0.455894	0.069989	6.51377
Jazf1	ENSMUSG000000063568	578.4942	0.262326	0.094924	2.763543
Ralgapa1	ENSMUSG000000021027	3256.678	0.285407	0.10294	2.772566
Gabpb1	ENSMUSG000000027361	986.6915	0.126057	0.070736	1.78208
Tst	ENSMUSG000000044986	238.4642	0.346015	0.122114	2.833543
Mthfsl	ENSMUSG000000079427	309.13	0.433063	0.111856	3.871611
Gpn3	ENSMUSG000000029464	981.9143	0.308474	0.074698	4.129615
Snca	ENSMUSG000000025889	208.4396	0.432603	0.131662	3.285707
Gm10163	ENSMUSG000000066443	1451.859	0.236204	0.099632	2.370759
Tmem154	ENSMUSG000000056498	132.0092	0.229685	0.143857	1.596622
Ppp3r1	ENSMUSG000000033953	4394.119	0.370861	0.084641	4.381567
Sema6d	ENSMUSG000000027200	305.2824	0.092201	0.141395	0.652079
Sfxn1	ENSMUSG000000021474	2464.179	0.135018	0.071454	1.88958
Map1lc3a	ENSMUSG000000027602	1377.992	-0.06409	0.111464	-0.57502
Rhog	ENSMUSG000000073982	769.2119	0.439086	0.088594	4.956163
Pdgfrl	ENSMUSG000000031595	284.1111	0.382992	0.100344	3.816777
mt-Nd3	ENSMUSG000000064360	14478.94	0.319238	0.110638	2.885425
mt-Rnr2	ENSMUSG000000064339	20317.73	0.201574	0.124106	1.624208
Naca	ENSMUSG000000061315	10893.88	0.225988	0.09553	2.365639
Washc1	ENSMUSG000000024101	1296.999	0.20285	0.068467	2.962755
Tuba1b	ENSMUSG000000023004	40175.41	0.223765	0.106275	2.105533
Tns3	ENSMUSG000000020422	2918.563	0.358905	0.119507	3.003204
Ppp1r15a	ENSMUSG000000040435	951.3937	0.10241	0.138232	0.740857
Wnk3	ENSMUSG000000041245	845.4985	0.246126	0.133182	1.848046
Rgmb	ENSMUSG000000048027	606.3256	0.130609	0.072492	1.801692
G6pc2	ENSMUSG000000005232	52494.89	0.341992	0.080942	4.225127
Gskip	ENSMUSG000000044715	592.0332	0.400821	0.092708	4.323465
Pcbp1	ENSMUSG000000051695	11946.02	0.097132	0.051456	1.887676
Id2	ENSMUSG000000020644	4537.472	0.080417	0.138358	0.581224
Rpl10-ps3	ENSMUSG000000058443	32219.64	0.224451	0.10868	2.065252
Prr14	ENSMUSG000000030822	1717.022	0.177471	0.082643	2.147436
Rpl10	ENSMUSG000000008682	5015.121	0.180216	0.103506	1.741119
Spp1	ENSMUSG000000029304	13081.47	-0.21595	0.133977	-1.61183
Olfm2	ENSMUSG000000032172	900.2868	0.293084	0.14327	2.045686
Gabarap	ENSMUSG000000018567	13965.05	0.214236	0.106589	2.009918

Mrpl38	ENSMUSG00000020775	1787.143	0.197963	0.086368	2.292098
Gm10275	ENSMUSG00000069682	8567.009	0.235258	0.10258	2.29342

je to T-RNA	Fold change of all	genes detected in both datasets in MIN6 cells transfected				with miR-1	
pvalue_T-R	padj_T-RNA	baseMean_log2	FoldCh	lfcSE_RIP	stat_RIP	pvalue_RIP	padj_RIP
0.018314	0.213187618	95.57365	1.13458	0.19877	5.708013	1.14E-08	1.31E-05
5.93E-05	0.00550167	746.5897	1.02798	0.131802	7.799439	6.22E-15	1.31E-11
1.03E-05	0.001549542	299.3447	0.837006	0.158261	5.288774	1.23E-07	8.19E-05
0.000325	0.017970088	125.2572	0.899535	0.180315	4.988683	6.08E-07	0.000334
0.167181	0.606598016	128.7581	1.133509	0.188767	6.004817	1.92E-09	2.42E-06
0.076772	0.439677063	1421.053	1.047326	0.11651	8.989174	2.49E-19	7.87E-16
0.162705	0.601575664	81.92764	0.974282	0.216843	4.493038	7.02E-06	0.002466
0.846346	0.968350774	301.6787	1.138383	0.157943	7.207558	5.70E-13	1.03E-09
0.905236	0.982337683	266.3943	1.036332	0.162462	6.378937	1.78E-10	2.82E-07
0.17006	0.611307739	221.7533	0.874438	0.160248	5.456771	4.85E-08	3.61E-05
0.308458	0.743099434	541.4403	0.857391	0.155997	5.496188	3.88E-08	3.43E-05
0.000689	0.029217956	180.659	0.60531	0.169874	3.563292	0.000366	0.055557
0.067124	0.416338554	360.7013	0.762589	0.159006	4.795978	1.62E-06	0.000682
1.41E-05	0.001862202	203.818	0.360731	0.16661	2.165114	0.030379	0.607634
0.000275	0.015819977	22.98167	0.42758	0.198489	2.154171	0.031227	0.612522
0.022973	0.241605014	215.7723	0.655865	0.170635	3.843674	0.000121	0.025043
0.005893	0.11400287	121.4457	0.652921	0.180838	3.610532	0.000306	0.049522
0.434892	0.817830347	28.52131	0.802883	0.21248	3.778626	0.000158	0.030204
0.002159	0.060136673	64.15722	0.504656	0.21378	2.360633	0.018244	0.486294
7.00E-05	0.006323848	48.19493	0.39892	0.21373	1.866465	0.061976	0.767757
4.64E-09	4.77E-06	8.715184	0.161319	0.177519	0.908742	0.363486	0.999277
0.593084	0.895885058	164.9173	0.959309	0.174816	5.487541	4.08E-08	3.43E-05
0.000214	0.013290189	40.85791	0.400549	0.215192	1.86136	0.062693	0.771083
0.100477	0.493641174	61.74263	0.998472	0.207605	4.809488	1.51E-06	0.00066
0.008715	0.141565957	79.48929	0.525872	0.206936	2.541232	0.011046	0.405918
0.000148	0.010790634	21.82283	0.361725	0.212424	1.702846	0.088597	0.851686
2.35E-10	3.92E-07	175.6653	0.27944	0.188611	1.481571	0.138454	0.963238
6.21E-07	0.000207669	115.6302	0.330455	0.183091	1.804875	0.071094	0.802413
0.791465	0.954486972	116.2097	0.886763	0.202943	4.369522	1.25E-05	0.003839
0.041576	0.330996125	332.7524	0.670257	0.144792	4.629106	3.67E-06	0.001365
0.24044	0.688509899	130.491	0.915373	0.209434	4.370709	1.24E-05	0.003839
0.110504	0.514156037	361.2077	0.729388	0.151319	4.820203	1.43E-06	0.000647
0.078719	0.445187123	33.28896	0.563425	0.210246	2.679842	0.007366	0.364449
0.006732	0.12349428	24.7371	0.422641	0.204022	2.07155	0.038307	0.661945
0.007289	0.129569077	109.1912	0.517494	0.198782	2.603328	0.009232	0.378917
0.005477	0.11009169	46.19966	0.531753	0.212912	2.497526	0.012506	0.42787
0.374253	0.787458382	83.46163	0.675332	0.216305	3.122124	0.001796	0.175435
0.044006	0.337833053	424.1743	0.563907	0.146835	3.840415	0.000123	0.025043
1.76E-05	0.002194781	29.41907	0.266207	0.216607	1.228988	0.219076	0.999277
0.059325	0.392678821	1247.671	0.622736	0.110885	5.616075	1.95E-08	2.06E-05
0.161078	0.600594474	37.34071	0.629418	0.21591	2.915191	0.003555	0.258248
5.95E-06	0.001120712	211.5085	0.353373	0.157073	2.249737	0.024466	0.542579
4.91E-06	0.000978921	111.7971	0.16781	0.186455	0.900002	0.368119	0.999277
0.021584	0.2338073	52.89199	0.552739	0.216594	2.551957	0.010712	0.40181
0.102611	0.499226634	892.9193	0.624083	0.127044	4.91233	9.00E-07	0.000455
0.016923	0.203527919	235.5228	0.585902	0.157433	3.721591	0.000198	0.036802
0.722084	0.937570682	118.8789	0.821691	0.216864	3.788979	0.000151	0.029418
0.111762	0.516979114	114.0232	0.615548	0.186156	3.306628	0.000944	0.11368
0.000169	0.011665894	45.17554	0.451495	0.2137	2.112754	0.034622	0.639558
0.002882	0.073435846	208.1467	0.514636	0.172014	2.991825	0.002773	0.232565

0.000347	0.018713898	28.70162	0.471304	0.217016	2.171746	0.029875	0.60715
1.16E-05	0.00161569	141.72	0.488144	0.176686	2.762783	0.005731	0.32943
2.07E-05	0.002495275	119.5011	0.341884	0.184551	1.852517	0.063952	0.774966
0.316977	0.750019078	15.66027	0.613446	0.200245	3.063483	0.002188	0.196139
0.31437	0.74740032	194.7865	0.675074	0.171479	3.93677	8.26E-05	0.017999
0.354186	0.774326904	55.58204	0.651452	0.214531	3.036633	0.002392	0.208965
0.000154	0.011066827	14.32714	0.233617	0.203607	1.147393	0.251219	0.999277
0.896519	0.980340433	182.2101	0.750453	0.17148	4.376333	1.21E-05	0.003839
1.43E-11	3.82E-08	13.67839	-0.05147	0.20402	-0.25228	0.800823	0.999277
2.73E-08	1.92E-05	406.5874	0.349544	0.154646	2.260284	0.023804	0.533496
0.46906	0.839347197	144.0781	0.807234	0.182122	4.432377	9.32E-06	0.003103
0.379046	0.789453621	363.8383	0.645618	0.145665	4.432222	9.33E-06	0.003103
1.91E-06	0.000463441	192.1299	0.31926	0.177723	1.79639	0.072433	0.804529
0.789843	0.954486972	126.8354	0.691648	0.215603	3.207965	0.001337	0.145674
3.00E-13	2.00E-09	133.3027	0.172874	0.18101	0.955053	0.339551	0.999277
2.93E-05	0.003238523	329.4361	0.362675	0.139278	2.603966	0.009215	0.378917
0.003731	0.08749433	42.866	0.407979	0.215871	1.889923	0.058768	0.752489
0.800101	0.956574326	96.41773	0.737812	0.213649	3.45338	0.000554	0.077758
0.000595	0.026493764	463.4239	0.440825	0.130228	3.385016	0.000712	0.095714
0.57222	0.889935037	56.51919	0.642044	0.216885	2.960299	0.003073	0.242818
0.013728	0.183043421	143.9843	0.424035	0.171737	2.469095	0.013546	0.441312
0.030679	0.28049317	42.83815	0.431328	0.211891	2.035612	0.041789	0.672512
0.077697	0.44194832	160.8403	0.445136	0.178145	2.498726	0.012464	0.42787
0.004412	0.097317191	173.322	0.394933	0.174616	2.261723	0.023715	0.533496
0.014494	0.188652122	112.0672	0.443286	0.191342	2.316724	0.020519	0.516689
1.19E-08	9.37E-06	27.06445	0.051396	0.216783	0.237085	0.812591	0.999277
0.62014	0.907694108	267.2186	0.640982	0.150193	4.267729	1.97E-05	0.005547
0.164734	0.603971115	986.3848	0.541906	0.156835	3.455258	0.00055	0.077758
0.003005	0.07536945	134.1744	0.306247	0.178243	1.718141	0.085771	0.84456
1.80E-07	8.61E-05	272.0222	0.295827	0.147285	2.008535	0.044586	0.684001
0.123045	0.535747264	227.3669	0.535634	0.161093	3.324995	0.000884	0.10958
1.75E-05	0.002194781	19.33611	0.082913	0.210193	0.394461	0.693241	0.999277
2.17E-07	9.35E-05	811.7951	0.145791	0.135689	1.074451	0.28262	0.999277
0.472674	0.841589306	127.0555	0.617563	0.186146	3.317624	0.000908	0.110868
0.082977	0.454942222	9.147819	0.461261	0.175855	2.622961	0.008717	0.375106
0.000906	0.035012796	28.63095	0.38594	0.21331	1.809292	0.070406	0.799638
0.593061	0.895885058	153.5922	0.626214	0.16869	3.71222	0.000205	0.037248
3.02E-10	4.49E-07	91.15222	0.163996	0.194866	0.841586	0.40002	0.999277
0.23248	0.682081023	163.3228	0.51696	0.180966	2.856669	0.004281	0.286337
0.000628	0.027326822	53.52657	0.257045	0.212046	1.212213	0.225431	0.999277
0.17498	0.617685473	65.22094	0.544674	0.207432	2.625802	0.008645	0.375106
0.17498	0.617685473	65.23017	0.544552	0.207424	2.625309	0.008657	0.375106
0.170685	0.612136288	423.9878	0.518694	0.198919	2.60756	0.009119	0.378917
0.63465	0.91246753	55.69862	0.599744	0.211391	2.83713	0.004552	0.302859
0.340257	0.763413261	29.15731	0.540761	0.21017	2.572965	0.010083	0.390227
0.735175	0.938791295	21.78589	0.617861	0.211223	2.925156	0.003443	0.25752
0.176864	0.619698727	32.89902	0.473584	0.202954	2.333458	0.019624	0.502163
0.001753	0.052203092	66.05342	0.331992	0.208215	1.594468	0.110831	0.91748
0.816109	0.959701794	494.5295	0.678783	0.142967	4.747835	2.06E-06	0.000838
0.121522	0.534218212	260.9813	0.519837	0.149202	3.484117	0.000494	0.071743
0.911979	0.983953937	81.62632	0.645216	0.214937	3.001881	0.002683	0.229176
0.001333	0.043550207	274.5108	0.337382	0.144492	2.334951	0.019546	0.501178

0.080498	0.448340184	237.66	0.454463	0.153837	2.954191	0.003135	0.243118
0.026763	0.261694682	14.70637	0.353959	0.202225	1.750323	0.080063	0.82821
0.963492	0.994289023	69.89654	0.66433	0.213996	3.104402	0.001907	0.18259
0.261527	0.705232158	170.095	0.54774	0.212774	2.574285	0.010045	0.390227
0.013301	0.180135941	157.5045	0.349192	0.170248	2.05107	0.04026	0.666004
0.00329	0.08062079	130.6145	0.350005	0.176431	1.983809	0.047277	0.690038
0.439036	0.820234435	51.14432	0.545387	0.212846	2.56235	0.010397	0.398254
0.031614	0.285726952	93.0844	0.385522	0.194829	1.978768	0.047842	0.692543
0.063185	0.404949474	114.8424	0.409831	0.190216	2.154557	0.031197	0.612522
0.000179	0.0120789	36.75275	0.232989	0.216849	1.07443	0.28263	0.999277
0.293925	0.733713995	89.00232	0.539584	0.216838	2.488419	0.012831	0.428018
0.850204	0.969418159	67.99183	0.626146	0.214462	2.919608	0.003505	0.257636
5.32E-05	0.005109937	16.46863	0.118757	0.196868	0.603231	0.546355	0.999277
0.102813	0.499383219	18.75929	0.448387	0.203255	2.206033	0.027382	0.582472
0.004473	0.097867715	29.82493	0.363876	0.217004	1.676818	0.093578	0.877776
1.38E-05	0.001857739	106.945	0.32807	0.200471	1.636496	0.101736	0.899753
0.807961	0.958353056	110.6736	0.621164	0.185484	3.348877	0.000811	0.104662
0.000493	0.023606365	47.2695	0.192771	0.214134	0.900232	0.367997	0.999277
0.001638	0.050228451	11.94963	0.212499	0.190872	1.113304	0.265578	0.999277
0.009965	0.152924716	129.8294	0.428514	0.182508	2.347922	0.018878	0.490098
0.000129	0.009751004	35.80308	0.201527	0.216899	0.929128	0.352823	0.999277
0.122965	0.535747264	200.1999	0.790881	0.163291	4.843372	1.28E-06	0.000598
9.18E-05	0.007655349	10.45974	0.07419	0.185013	0.400999	0.688421	0.999277
0.529489	0.86949405	47.51144	0.57958	0.213776	2.711157	0.006705	0.357623
0.129715	0.549048329	26.34797	0.433361	0.199042	2.177231	0.029463	0.602663
0.034529	0.300859743	231.9524	0.467272	0.174255	2.68155	0.007328	0.364449
0.00985	0.151863828	82.2693	0.427168	0.195277	2.187499	0.028706	0.593902
0.562347	0.885010828	53.55555	0.577376	0.212117	2.721977	0.006489	0.352599
0.062858	0.404145424	579.8535	0.444761	0.196771	2.260302	0.023802	0.533496
0.929401	0.98582665	75.24296	0.627487	0.210191	2.985314	0.002833	0.234055
0.114945	0.522571385	51.28635	0.482159	0.211754	2.27698	0.022787	0.533496
0.369082	0.784717333	121.0241	0.506673	0.192245	2.635561	0.0084	0.375106
0.011679	0.167681718	1206.049	0.366609	0.114057	3.214255	0.001308	0.14376
0.169369	0.610039483	133.79	0.468694	0.180703	2.593721	0.009494	0.384673
2.57E-06	0.000563629	163.8321	0.254611	0.175432	1.451335	0.146687	0.977404
0.009795	0.151369164	55.49567	0.321477	0.209959	1.531142	0.125734	0.942444
5.28E-05	0.005109937	293.5003	0.38209	0.153997	2.481153	0.013096	0.430481
0.791442	0.954486972	89.04843	0.589662	0.21681	2.719718	0.006534	0.352963
0.719421	0.936367462	94.12633	0.591347	0.213029	2.775896	0.005505	0.328151
0.737931	0.939957965	40.60023	0.570024	0.208349	2.735907	0.006221	0.344903
0.168603	0.609112633	24.96826	0.419133	0.199758	2.098199	0.035888	0.648078
0.036953	0.312233089	377.3559	0.387374	0.161678	2.395963	0.016577	0.474446
0.175309	0.617729055	651.4026	0.524447	0.135691	3.86501	0.000111	0.023404
0.130519	0.550710594	64.12041	0.461582	0.204101	2.261538	0.023726	0.533496
0.039508	0.322211861	98.22407	0.470792	0.19113	2.463201	0.01377	0.442926
0.101131	0.495898991	21.20639	0.411798	0.210824	1.953281	0.050786	0.70821
5.39E-05	0.005109937	9.050951	0.133381	0.187473	0.711472	0.476792	0.999277
0.058483	0.390693687	103.1435	0.43849	0.185806	2.359938	0.018278	0.486294
0.177097	0.619698727	55.0796	0.414779	0.213205	1.945445	0.051721	0.716898
0.056715	0.384967357	505.7771	0.41142	0.154822	2.657378	0.007875	0.366435
0.237744	0.686674178	104.2866	0.493477	0.189899	2.598623	0.00936	0.381671
0.271805	0.714919459	17.93286	0.479313	0.180238	2.659333	0.00783	0.366435

0.168521	0.609004816	276.3668	0.41874	0.19757	2.119445	0.034053	0.639431
0.064215	0.408436453	19.84507	0.374773	0.212438	1.764153	0.077706	0.819387
0.518801	0.864473599	64.63195	0.517426	0.213853	2.419536	0.01554	0.465067
0.744969	0.941278275	942.1741	0.564652	0.203227	2.778427	0.005462	0.328059
0.159223	0.596841784	52.89177	0.432678	0.217009	1.993828	0.046171	0.689171
4.99E-07	0.000180202	78.04501	-0.07935	0.211544	-0.3751	0.707589	0.999277
0.39248	0.795485504	194.8328	0.497921	0.194594	2.558764	0.010504	0.400596
0.829124	0.963218067	47.40192	0.572033	0.211544	2.704092	0.006849	0.359805
0.272325	0.715514773	129.4111	0.485366	0.18258	2.658366	0.007852	0.366435
1.09E-06	0.000297537	98.86784	-0.00916	0.189259	-0.04839	0.961407	0.999277
0.01524	0.193460495	18.37246	0.264036	0.200087	1.319605	0.186967	0.999277
0.001633	0.050185028	411.6168	0.222744	0.131474	1.694203	0.090227	0.856916
0.065948	0.413509306	38.30983	0.420968	0.215985	1.949061	0.051288	0.713238
0.816253	0.959755385	53.63221	0.562281	0.212488	2.646172	0.008141	0.374838
0.234525	0.683219522	48.15882	0.453128	0.216993	2.08821	0.036779	0.648426
0.922671	0.985704596	24.90783	0.581055	0.212137	2.739053	0.006162	0.344643
0.001788	0.052759548	211.4451	0.242241	0.178557	1.356663	0.174888	0.999277
0.003048	0.076179259	33.31261	0.231996	0.214171	1.083227	0.278707	0.999277
0.051958	0.369214961	59.99516	0.437325	0.206084	2.122077	0.033831	0.637349
0.336612	0.759804072	15.66102	0.466486	0.185489	2.514906	0.011906	0.419245
0.000354	0.018953111	14.70868	0.100791	0.204627	0.49256	0.622323	0.999277
0.130459	0.550675537	47.82122	0.389072	0.212688	1.829305	0.067354	0.786127
0.41507	0.807960817	9.615482	0.47162	0.172657	2.731543	0.006304	0.347978
0.668997	0.925067398	23.92517	0.526599	0.200156	2.630945	0.008515	0.375106
0.753731	0.943904156	15.99267	0.543709	0.190218	2.858345	0.004259	0.286337
0.001774	0.05245731	9.64613	0.139594	0.186105	0.750082	0.453205	0.999277
0.452172	0.827253765	288.2758	0.482417	0.194465	2.480742	0.013111	0.430481
0.020914	0.229471922	92.18889	0.412505	0.198144	2.081844	0.037357	0.654053
0.009793	0.151369164	12.49854	0.202621	0.201492	1.005603	0.314606	0.999277
0.001836	0.053630802	119.8117	0.269741	0.191421	1.409152	0.15879	0.999277
0.000194	0.012681729	24.84067	0.087152	0.216517	0.40252	0.687302	0.999277
0.544261	0.875219687	79.51248	0.623795	0.196333	3.177235	0.001487	0.157945
4.65E-06	0.00095728	155.0725	0.181664	0.170464	1.065705	0.286557	0.999277
0.076707	0.439587194	21.36792	0.32181	0.212867	1.511786	0.130588	0.954087
0.455749	0.829671446	476.1647	0.525174	0.126604	4.148159	3.35E-05	0.008646
0.737259	0.939837349	43.65993	0.526514	0.20847	2.525612	0.01155	0.411141
0.176892	0.619698727	60.10032	0.389471	0.213923	1.820616	0.068665	0.789424
0.019254	0.218470576	412.4753	0.376577	0.131663	2.860163	0.004234	0.286337
0.148007	0.580178497	173.9388	0.738608	0.175857	4.200038	2.67E-05	0.007334
0.022695	0.240110536	65.95437	0.360122	0.206975	1.739935	0.08187	0.833811
0.799583	0.956574326	57.89777	0.536265	0.212372	2.525124	0.011566	0.411141
0.34711	0.768692073	22.62376	0.434496	0.204649	2.123124	0.033743	0.637349
0.029326	0.274893673	93.28712	0.410804	0.191375	2.146588	0.031826	0.617045
0.168917	0.609422997	65.77387	0.444144	0.216403	2.05239	0.040132	0.666004
0.411785	0.805080679	157.3044	0.471446	0.182732	2.579986	0.00988	0.390227
0.066125	0.413684134	89.18226	0.370634	0.192819	1.922185	0.054583	0.729459
0.200285	0.647762863	138.5291	0.447001	0.193902	2.305297	0.02115	0.520955
0.21609	0.667087859	54.20416	0.400781	0.209867	1.909692	0.056173	0.740613
0.007561	0.131430449	28.41092	0.264876	0.21642	1.223899	0.22099	0.999277
0.005038	0.104088669	21.00464	0.182819	0.204891	0.892271	0.372248	0.999277
0.000315	0.017516511	15.91082	0.08636	0.203882	0.423576	0.671875	0.999277
5.34E-06	0.001045739	27.41887	0.1433	0.216772	0.66106	0.508574	0.999277

0.001415	0.045134848	14.14278	0.114498	0.185998	0.615587	0.538167	0.999277
0.038183	0.317595678	205.177	0.378254	0.15984	2.366449	0.01796	0.483486
0.349949	0.771454722	538.4624	0.655012	0.157382	4.161917	3.16E-05	0.008311
0.110109	0.513545709	20.30069	0.34714	0.186251	1.863823	0.062347	0.769615
8.91E-05	0.007588847	47.54574	0.181075	0.213524	0.848033	0.39642	0.999277
0.12824	0.547436547	39.06903	0.395591	0.216803	1.824655	0.068053	0.786955
0.004822	0.101930005	388.7365	0.17206	0.145124	1.185604	0.235779	0.999277
0.35494	0.774326904	14.08131	0.427281	0.201717	2.118218	0.034157	0.639558
0.11142	0.516062135	82.90073	0.354414	0.198391	1.786447	0.074027	0.808557
0.370188	0.785063019	94.47488	0.458907	0.216572	2.118963	0.034094	0.639431
8.08E-06	0.001421869	86.04799	0.10678	0.20661	0.516817	0.605284	0.999277
0.072668	0.430201108	110.7386	0.412376	0.183908	2.242302	0.024942	0.550245
0.005198	0.106117678	153.023	0.308524	0.189453	1.628499	0.103419	0.899761
0.136287	0.562788714	16.08166	0.329821	0.186456	1.768891	0.076912	0.819234
0.582799	0.892926328	132.0704	0.503874	0.185706	2.713286	0.006662	0.356839
0.228557	0.678012023	27.93251	0.377176	0.202692	1.860835	0.062767	0.771083
0.00156	0.048380386	21.73858	0.184283	0.208659	0.883178	0.37714	0.999277
0.000229	0.013922522	14.51006	0.19098	0.205308	0.930215	0.35226	0.999277
0.056593	0.384777564	106.6527	0.336372	0.187366	1.795264	0.072612	0.804529
0.006879	0.124570851	291.8427	0.265851	0.20969	1.267828	0.204859	0.999277
0.003924	0.090286521	35.19068	0.131266	0.215977	0.607775	0.543337	0.999277
0.005114	0.105325013	128.6651	0.171435	0.178236	0.961843	0.336129	0.999277
0.001132	0.039703888	17.16238	0.084297	0.21092	0.399665	0.689403	0.999277
0.437485	0.819027755	632.1008	0.463773	0.202103	2.294736	0.021748	0.526666
8.72E-16	1.17E-11	2185.281	-0.08917	0.117182	-0.76095	0.44669	0.999277
0.659924	0.922888851	92.26447	0.482303	0.213115	2.263117	0.023628	0.533496
0.598961	0.898777574	121.6966	0.466489	0.197142	2.366259	0.017969	0.483486
0.997102	0.998970767	238.8402	0.537387	0.197462	2.721475	0.006499	0.352599
0.31836	0.7500298	54.32634	0.423564	0.215374	1.966643	0.049224	0.700473
0.10694	0.507302189	14.49868	0.308446	0.192359	1.603496	0.108825	0.909828
0.151916	0.58757477	286.9705	0.386093	0.191474	2.016418	0.043756	0.679331
0.023716	0.245556654	570.6911	0.673269	0.128612	5.234887	1.65E-07	0.000104
0.035573	0.304807062	26.2924	0.234303	0.195663	1.197478	0.23112	0.999277
4.85E-06	0.000978921	1525.22	0.024596	0.124326	0.197834	0.843175	0.999277
0.874853	0.975929662	83.48848	0.547875	0.216851	2.5265	0.011521	0.411141
0.702305	0.934077476	20.88009	0.480243	0.198914	2.414326	0.015764	0.465067
0.061615	0.399420354	249.4761	0.286978	0.155597	1.844361	0.065131	0.780408
0.493349	0.852802998	304.7269	0.443261	0.151314	2.92941	0.003396	0.255534
0.000505	0.023878396	112.6278	0.266176	0.189997	1.400946	0.16123	0.999277
0.0002	0.012736172	20.83677	0.086781	0.21046	0.412341	0.68009	0.999277
0.032901	0.290868783	848.9855	0.300327	0.169315	1.773774	0.0761	0.816627
0.581969	0.892926328	86.39961	0.45439	0.206128	2.204401	0.027496	0.582472
0.003194	0.078628627	660.7884	0.195576	0.12035	1.62506	0.10415	0.901134
0.512517	0.861822466	31.84219	0.4388	0.210113	2.088402	0.036762	0.648426
0.378399	0.789109046	24.73728	0.419998	0.207773	2.021431	0.043235	0.677263
0.148703	0.58137397	12.34159	0.322522	0.185143	1.74202	0.081505	0.832613
0.741976	0.94054009	55.269	0.484188	0.211839	2.28564	0.022275	0.532365
3.51E-12	1.56E-08	21.99165	-0.19922	0.21455	-0.92853	0.353135	0.999277
0.070967	0.425044249	30.54065	0.296188	0.216836	1.365951	0.171954	0.999277
0.53002	0.869704317	226.8686	0.585553	0.169904	3.446369	0.000568	0.078926
0.018857	0.216060658	840.5403	0.304819	0.121827	2.50207	0.012347	0.42787
0.34161	0.764106026	51.80203	0.39318	0.214188	1.835675	0.066406	0.782967

0.285055	0.725657496	345.7855	0.414629	0.171945	2.411408	0.015891	0.465067
0.38721	0.793232151	224.6711	0.460373	0.162977	2.824777	0.004731	0.309064
0.046648	0.348543653	51.16988	0.335758	0.213933	1.569453	0.116542	0.929931
0.007237	0.128979556	14.668	0.173302	0.204073	0.849215	0.395761	0.999277
0.898245	0.981031438	322.8899	0.54202	0.201821	2.685643	0.007239	0.364449
1.13E-05	0.001605239	454.4734	-0.01134	0.127705	-0.08883	0.929221	0.999277
1.91E-05	0.002362366	9.470586	-0.00842	0.187859	-0.04481	0.964263	0.999277
0.012457	0.17275389	15.96082	0.190546	0.197146	0.96652	0.333784	0.999277
0.125435	0.541463398	217.4776	0.350146	0.158618	2.207479	0.027281	0.582472
0.048189	0.354315869	19.18572	0.267094	0.211162	1.264875	0.205916	0.999277
0.673257	0.927156241	590.888	0.572612	0.122851	4.661034	3.15E-06	0.001243
0.698548	0.93369059	26.20568	0.46377	0.204123	2.272015	0.023086	0.533496
0.003367	0.081303821	70.87859	0.306843	0.203016	1.511423	0.130681	0.954087
0.076094	0.438116456	21.10942	0.275705	0.214339	1.2863	0.198338	0.999277
0.696054	0.933215429	19.17877	0.461261	0.198758	2.320713	0.020302	0.515345
0.555087	0.881860015	113.1703	0.597787	0.191622	3.119618	0.001811	0.175435
0.473629	0.841899731	771.9477	0.454928	0.114179	3.984338	6.77E-05	0.015275
0.000558	0.025608997	40.63985	0.144805	0.214544	0.674945	0.49971	0.999277
0.22982	0.679946751	14.37851	0.340545	0.204053	1.668905	0.095136	0.886233
0.884728	0.977581014	66.89949	0.496426	0.21411	2.318557	0.020419	0.515669
0.878084	0.976223954	353.0628	0.532496	0.1987	2.679899	0.007364	0.364449
0.890133	0.978648335	151.7777	0.523496	0.210405	2.488043	0.012845	0.428018
0.306826	0.743080656	171.5964	0.373936	0.201656	1.854324	0.063693	0.774966
0.021242	0.231562844	39.52605	0.26012	0.216397	1.202048	0.229345	0.999277
0.334774	0.759008088	12.02447	0.37067	0.170546	2.173431	0.029748	0.605545
0.322928	0.752410022	15.14696	0.40074	0.1932	2.074228	0.038058	0.659631
0.699797	0.933914128	36.72298	0.564393	0.214559	2.630483	0.008526	0.375106
0.699797	0.933914128	36.72179	0.564391	0.214559	2.630468	0.008527	0.375106
0.001877	0.05454425	79.77932	0.295008	0.203356	1.450696	0.146864	0.977404
0.004905	0.102353266	97.42495	0.219268	0.188559	1.162858	0.244887	0.999277
0.623122	0.907988155	365.2908	0.465126	0.135982	3.420491	0.000625	0.085888
0.09605	0.486139841	157.6643	0.37821	0.185828	2.035267	0.041824	0.672512
0.335595	0.759008088	19.88411	0.3821	0.204882	1.864975	0.062185	0.769158
0.380895	0.790279608	68.00031	0.44205	0.207417	2.131214	0.033072	0.632021
0.758482	0.945376634	128.1038	0.466418	0.193985	2.404402	0.016199	0.470737
0.725366	0.938023838	42.26963	0.460625	0.210525	2.187983	0.028671	0.593902
0.623498	0.907988155	168.011	0.450686	0.180863	2.491858	0.012708	0.428018
0.079816	0.446860496	31.08698	0.274411	0.215955	1.270685	0.203841	0.999277
0.16138	0.600917879	116.9905	0.396928	0.199294	1.99167	0.046407	0.689909
0.299275	0.737986555	132.2058	0.413611	0.21591	1.915669	0.055407	0.734176
0.000539	0.024952723	12.99121	0.093301	0.20221	0.461408	0.644506	0.999277
0.053495	0.374910234	70.05946	0.310634	0.216115	1.437353	0.150618	0.982434
0.023089	0.242254506	120.2731	0.322238	0.188922	1.705673	0.088069	0.851131
0.00058	0.026089696	25.5854	0.245725	0.216469	1.135152	0.256312	0.999277
0.018698	0.21588983	74.89043	0.23361	0.206098	1.133488	0.257009	0.999277
0.167776	0.607654212	17.87091	0.341173	0.208703	1.634727	0.102106	0.899753
0.853733	0.970113985	264.6443	0.480308	0.156007	3.078763	0.002079	0.191794
0.006681	0.123009037	12.48181	0.108884	0.198565	0.548352	0.58345	0.999277
0.000135	0.010040562	16.1092	0.013019	0.208613	0.062406	0.95024	0.999277
0.97275	0.995768532	53.73911	0.506946	0.21357	2.373674	0.017612	0.480853
0.592048	0.895697175	184.8643	0.577679	0.194638	2.967967	0.002998	0.23984
0.836114	0.965088948	57.33573	0.479864	0.206889	2.31943	0.020372	0.515669

0.165106	0.60431758	12.3288	0.308708	0.186491	1.655344	0.097855	0.893773
2.79E-05	0.003129279	472.1232	0.132252	0.137934	0.958805	0.337657	0.999277
0.565332	0.886634926	29.88123	0.451309	0.2159	2.090364	0.036585	0.648426
0.111296	0.515826616	369.336	0.281444	0.134628	2.090531	0.03657	0.648426
0.709826	0.934993152	48.49986	0.449472	0.216733	2.073855	0.038093	0.659631
8.70E-06	0.001435597	141.5512	0.175779	0.177327	0.991267	0.321555	0.999277
0.611668	0.904588989	50.9999	0.427633	0.214239	1.996052	0.045928	0.687973
0.846703	0.968350774	686.3015	0.470238	0.124055	3.79055	0.00015	0.029418
0.00019	0.012497552	27.99811	0.042124	0.213628	0.197186	0.843682	0.999277
0.038206	0.317595678	52.87743	0.229948	0.209402	1.098115	0.272154	0.999277
0.007963	0.135765069	18.41713	0.155089	0.211812	0.732202	0.464045	0.999277
0.876051	0.975929662	250.6677	0.507046	0.151713	3.342135	0.000831	0.106155
0.575423	0.890535872	36.3873	0.421062	0.215645	1.95257	0.050871	0.70821
0.000141	0.010400039	120.2566	0.182525	0.181748	1.004272	0.315247	0.999277
0.011725	0.167976904	13.95404	0.235754	0.195876	1.203587	0.228749	0.999277
0.037785	0.315279789	25.06877	0.220889	0.20922	1.055773	0.291072	0.999277
0.54366	0.875213603	56.88026	0.557374	0.209876	2.655731	0.007914	0.366435
0.578158	0.891993777	24.82415	0.408371	0.204839	1.993616	0.046194	0.689171
0.975987	0.996295705	36.56646	0.493385	0.211723	2.330331	0.019789	0.504033
0.007856	0.134441014	83.89612	0.174523	0.210767	0.82804	0.407648	0.999277
0.047742	0.35185556	13.34039	0.215783	0.187615	1.150142	0.250086	0.999277
0.313965	0.747208845	158.1519	0.427045	0.174903	2.441616	0.014622	0.45844
0.141434	0.571236062	51.08198	0.320928	0.213169	1.505512	0.132193	0.95762
0.441012	0.821346459	9.301966	0.371402	0.15804	2.350047	0.018771	0.490098
0.91722	0.98454795	80.19927	0.498368	0.216145	2.305714	0.021127	0.520955
0.00695	0.125542947	8.941571	0.114466	0.182641	0.626726	0.530839	0.999277
0.038046	0.31705431	13.62707	0.26012	0.20002	1.300469	0.19344	0.999277
0.627431	0.910068548	17.38145	0.411867	0.190367	2.16354	0.0305	0.607634
0.215417	0.666546901	57.25503	0.311447	0.214058	1.454961	0.14568	0.977082
0.74084	0.940437483	17.15347	0.433007	0.191275	2.263793	0.023587	0.533496
0.000198	0.012736172	299.8391	0.173495	0.147416	1.17691	0.239231	0.999277
0.050234	0.362566495	36.04664	0.254329	0.21612	1.176796	0.239277	0.999277
0.798983	0.956480844	51.28006	0.451402	0.215707	2.092663	0.036379	0.648426
0.481205	0.846450746	180.3656	0.405318	0.199443	2.032251	0.042128	0.672512
0.002765	0.07190299	107.6364	0.262261	0.189342	1.385119	0.166016	0.999277
1.08E-05	0.001588797	15.2203	-0.06023	0.206264	-0.29202	0.770271	0.999277
0.425797	0.814589985	60.82004	0.581879	0.208551	2.790106	0.005269	0.324909
0.831376	0.963528861	42.2109	0.507902	0.214587	2.366881	0.017939	0.483486
8.53E-06	0.001435597	237.1171	0.1354	0.15718	0.861433	0.389	0.999277
0.000342	0.018565348	16.49147	0.022113	0.208301	0.10616	0.915455	0.999277
0.020769	0.228494187	204.132	0.235551	0.163148	1.443782	0.1488	0.980191
0.442671	0.822412917	40.85694	0.582641	0.216588	2.690082	0.007143	0.364449
0.557945	0.882863308	50.40607	0.422153	0.21071	2.003484	0.045125	0.686886
0.040636	0.327813378	31.6942	0.212458	0.216169	0.98283	0.325691	0.999277
0.002351	0.064146984	28.99487	0.184921	0.217013	0.85212	0.394148	0.999277
0.004031	0.091739612	82.44892	0.220479	0.199694	1.104083	0.269557	0.999277
0.487186	0.849936957	53.01296	0.386059	0.214169	1.802596	0.071452	0.804293
0.001542	0.048156936	248.7339	0.180744	0.148784	1.214806	0.22444	0.999277
0.026975	0.262366343	64.89563	0.273006	0.204544	1.334705	0.181973	0.999277
0.680912	0.929224191	240.055	0.439179	0.169729	2.587536	0.009667	0.387385
0.027021	0.262366343	22.97819	0.154911	0.213785	0.724615	0.468688	0.999277
0.40564	0.801779895	97.75766	0.534942	0.193633	2.762657	0.005733	0.32943

0.569067	0.888531276	167.905	0.406568	0.210548	1.931002	0.053483	0.722621
0.012013	0.169924609	154.492	0.144382	0.169668	0.850969	0.394787	0.999277
0.618893	0.907334933	40.82961	0.416211	0.215231	1.933786	0.053139	0.722621
0.451335	0.82688985	121.7253	0.395298	0.197861	1.997859	0.045732	0.687973
0.120789	0.533405714	8.785287	0.254084	0.172835	1.470095	0.141536	0.97436
0.014017	0.185007095	131.0853	0.263709	0.183595	1.436361	0.1509	0.983766
5.35E-05	0.005109937	17.69242	0.160356	0.210834	0.760578	0.446909	0.999277
0.180168	0.624559908	83.24521	0.34547	0.213653	1.616969	0.105885	0.903395
0.426542	0.814589985	36.71679	0.378238	0.216181	1.749631	0.080182	0.828748
0.341082	0.763821331	17.52412	0.368147	0.194794	1.889932	0.058767	0.752489
0.764646	0.947560599	25.90675	0.434816	0.216674	2.006774	0.044774	0.686043
2.38E-06	0.000547943	195.7354	0.04466	0.160079	0.27899	0.780252	0.999277
0.787749	0.954125065	25.90184	0.44083	0.206217	2.137701	0.032541	0.626569
0.500839	0.855663996	148.7921	0.377609	0.188555	2.002644	0.045215	0.686886
0.267266	0.710389794	441.7353	0.369828	0.131128	2.820367	0.004797	0.31096
0.321292	0.751563358	165.6815	0.402921	0.17646	2.283349	0.02241	0.533496
0.011338	0.165004048	17.33366	0.176711	0.196007	0.901556	0.367293	0.999277
0.013259	0.179926318	13.13161	0.185042	0.195928	0.944436	0.344947	0.999277
0.074267	0.433129329	45.76462	0.301859	0.212064	1.42343	0.154611	0.990194
8.99E-05	0.007602176	21.5309	0.071001	0.213852	0.332013	0.73988	0.999277
0.336384	0.759706734	224.3328	0.558724	0.167336	3.338938	0.000841	0.10631
0.002129	0.059402998	17.04942	0.095768	0.210191	0.455622	0.648662	0.999277
0.050628	0.363626111	169.7406	0.227793	0.176969	1.287191	0.198028	0.999277
0.878029	0.976223954	33.58058	0.445297	0.211499	2.105436	0.035253	0.644486
0.539034	0.873794135	12.75617	0.378292	0.186003	2.033793	0.041972	0.672512
0.612116	0.904604665	190.2286	0.539343	0.191479	2.816715	0.004852	0.3121
0.000306	0.017137892	29.25344	0.00247	0.216999	0.011381	0.99092	0.999277
0.821045	0.960727032	22.37345	0.43159	0.208882	2.066194	0.03881	0.661945
0.081087	0.450318708	94.68099	0.316449	0.203213	1.557226	0.119417	0.929931
0.499016	0.854405107	119.218	0.404407	0.179179	2.256994	0.024008	0.535257
0.044006	0.337833053	11.11085	0.172044	0.183856	0.935751	0.349401	0.999277
0.287378	0.72790282	171.9693	0.367919	0.178388	2.062461	0.039164	0.661945
0.41592	0.808403335	204.4447	0.568402	0.205309	2.768517	0.005631	0.32943
0.008879	0.143166273	191.0656	0.256956	0.170166	1.510029	0.131036	0.954163
0.317757	0.750019078	96.48936	0.355081	0.207511	1.711145	0.087054	0.847264
0.620166	0.907694108	46.60392	0.404356	0.214337	1.886548	0.059221	0.753892
0.0275	0.264832946	274.4518	0.251308	0.185665	1.353557	0.175878	0.999277
0.337424	0.760158764	34.50678	0.396717	0.216578	1.831754	0.066988	0.784834
0.263507	0.706861997	44.5095	0.314291	0.212129	1.481606	0.138445	0.963238
0.837039	0.965541422	107.413	0.446766	0.183644	2.432787	0.014983	0.45844
0.809902	0.958353056	367.8298	0.492155	0.196944	2.498964	0.012456	0.42787
0.000122	0.009439877	74.6637	0.026405	0.210603	0.125377	0.900225	0.999277
0.198156	0.64523528	140.3889	0.327337	0.182419	1.794429	0.072745	0.804529
0.265293	0.708525534	29.6491	0.32662	0.216839	1.506278	0.131996	0.957559
0.978176	0.996591693	225.9859	0.461092	0.156318	2.949707	0.003181	0.245171
0.592195	0.895697175	13.85143	0.38017	0.180894	2.101619	0.035587	0.644486
0.96724	0.995086243	128.7069	0.463332	0.179807	2.576839	0.009971	0.390227
0.035534	0.304673003	179.2211	0.277417	0.173926	1.595026	0.110706	0.91748
0.247377	0.695372431	21.76764	0.326308	0.212763	1.533671	0.125111	0.940007
0.581392	0.892861249	148.2767	0.527027	0.195356	2.697773	0.006981	0.361691
0.306724	0.743080656	240.0999	0.324291	0.15165	2.138418	0.032483	0.626569
0.393037	0.795485504	16.7652	0.354261	0.209415	1.691667	0.090709	0.85892

1.04E-05	0.001549542	191.3614	-0.03282	0.168566	-0.19468	0.845643	0.999277
0.027424	0.264293437	14.41242	0.206417	0.193962	1.064212	0.287233	0.999277
0.001127	0.03963285	218.7949	0.056888	0.155257	0.366413	0.714057	0.999277
0.970343	0.99553873	354.4883	0.451015	0.176459	2.555922	0.010591	0.401402
0.007703	0.132851345	11.22252	0.110043	0.179889	0.611724	0.54072	0.999277
0.10177	0.497206985	179.9943	0.287133	0.162445	1.767572	0.077133	0.819234
0.01167	0.167681718	17.93328	0.088341	0.211247	0.418189	0.675809	0.999277
0.019782	0.222458274	40.0198	0.144792	0.216866	0.667656	0.504353	0.999277
0.852732	0.969800108	155.737	0.426772	0.213724	1.996839	0.045843	0.687973
0.233452	0.683219522	12.464	0.308479	0.198728	1.552265	0.120599	0.929931
0.022101	0.236909289	79.50909	0.294737	0.20218	1.457794	0.144897	0.977082
0.378973	0.789428059	68.82187	0.335843	0.201513	1.666605	0.095593	0.88793
0.163869	0.603036338	65.38617	0.631589	0.204248	3.092257	0.001986	0.187429
0.000187	0.012457785	51.7215	0.164745	0.212638	0.774767	0.438478	0.999277
0.02957	0.275634817	61.96502	0.175288	0.213877	0.819572	0.41246	0.999277
0.376692	0.788552212	58.78546	0.382794	0.210665	1.817073	0.069206	0.79314
0.21878	0.669212189	86.39684	0.305896	0.199537	1.53303	0.125269	0.940007
0.003192	0.078628627	103.1355	0.223205	0.189855	1.175664	0.239729	0.999277
0.012138	0.170953288	201.6654	0.166803	0.160809	1.037277	0.299607	0.999277
0.747972	0.942119652	130.9247	0.419836	0.191002	2.198073	0.027944	0.586641
0.174296	0.616842471	150.5943	0.305884	0.194386	1.573597	0.115581	0.929931
0.000439	0.022152973	14.00598	0.122288	0.202392	0.604215	0.5457	0.999277
0.023247	0.243143912	43.14863	0.136124	0.213885	0.636437	0.524491	0.999277
0.174188	0.616765794	162.0277	0.355421	0.17125	2.075448	0.037945	0.658878
0.341231	0.763898009	22.57568	0.309175	0.21212	1.457548	0.144965	0.977082
0.023669	0.245556654	284.0423	0.20005	0.145314	1.376674	0.168613	0.999277
0.013582	0.1819156	40.33719	0.157344	0.216096	0.72812	0.46654	0.999277
0.195586	0.641476844	12.96753	0.277461	0.197554	1.404482	0.160175	0.999277
0.156467	0.595337949	53.80066	0.295852	0.210631	1.404601	0.16014	0.999277
0.002771	0.07191786	42.1366	0.128661	0.216851	0.593315	0.55297	0.999277
0.65652	0.921043322	16.1276	0.504359	0.207381	2.432037	0.015014	0.45844
0.533995	0.871974168	69.18945	0.374457	0.209901	1.783972	0.074428	0.809906
0.609727	0.90397267	101.0285	0.371533	0.182168	2.039508	0.041399	0.672512
0.001353	0.044012607	14.58157	-0.00572	0.200624	-0.02851	0.977258	0.999277
0.242135	0.689521761	56.87008	0.27933	0.213839	1.306264	0.191463	0.999277
0.04878	0.356386431	42.56	0.174084	0.21527	0.808676	0.418701	0.999277
0.725095	0.938023838	88.85969	0.398421	0.199007	2.002049	0.045279	0.686886
0.089494	0.471339513	75.16567	0.6152	0.202886	3.032246	0.002427	0.210171
0.112583	0.518563319	40.80744	0.238402	0.214122	1.113392	0.26554	0.999277
0.666173	0.925067398	77.14417	0.403309	0.215511	1.871405	0.061289	0.763771
0.132203	0.554860347	8.854269	0.222659	0.160413	1.388037	0.165126	0.999277
0.033098	0.291838339	150.783	0.232731	0.172596	1.348414	0.177525	0.999277
0.012064	0.1703885	26.99519	0.102204	0.214881	0.475634	0.634335	0.999277
0.01817	0.212116628	9.785385	0.108672	0.190314	0.571015	0.56799	0.999277
0.010381	0.157327475	30.97698	0.18449	0.216583	0.851821	0.394313	0.999277
0.033264	0.292907863	114.9081	0.267067	0.187355	1.425457	0.154025	0.990194
0.024549	0.249921063	20.47309	0.139082	0.213518	0.651383	0.514799	0.999277
0.767735	0.948584137	27.73887	0.483759	0.206074	2.347501	0.0189	0.490098
0.010805	0.161189952	27.49446	0.072125	0.216457	0.333208	0.738978	0.999277
0.492445	0.852802998	119.9533	0.370435	0.184803	2.004482	0.045018	0.686886
0.039158	0.32155264	34.40604	0.17652	0.216324	0.816001	0.4145	0.999277
0.766711	0.948420265	40.63855	0.482231	0.209219	2.304907	0.021172	0.520955

0.783646	0.952780452	14.52711	0.400221	0.194648	2.056127	0.03977	0.666004
0.786516	0.953593071	3853.497	0.468526	0.194037	2.414626	0.015751	0.465067
0.385794	0.792576238	108.0108	0.32335	0.185641	1.741807	0.081542	0.832613
0.010016	0.153360413	29.53818	0.159076	0.217011	0.73303	0.46354	0.999277
0.237104	0.685861918	209.4841	0.322132	0.167423	1.924061	0.054347	0.729298
0.419759	0.811450072	33.94721	0.346855	0.216607	1.601311	0.109308	0.912657
0.296262	0.735498118	115.1643	0.504212	0.197311	2.555425	0.010606	0.401402
0.021428	0.232863371	9.414588	0.106788	0.181529	0.588273	0.556349	0.999277
0.001706	0.051425719	18.70351	0.020631	0.210223	0.09814	0.921821	0.999277
0.817594	0.959878204	73.51269	0.411162	0.203898	2.016506	0.043747	0.679331
0.018582	0.215051949	16.50667	0.159679	0.208058	0.767472	0.442801	0.999277
0.001159	0.04013702	100.2737	0.105706	0.194128	0.544516	0.586086	0.999277
0.015755	0.197000514	20.62464	0.215036	0.213388	1.007724	0.313587	0.999277
0.350126	0.771619941	72.81885	0.376416	0.216983	1.734773	0.082781	0.83449
0.73582	0.939059287	298.5146	0.465721	0.146938	3.169494	0.001527	0.158518
0.012382	0.172399668	20.35561	0.08739	0.211132	0.413913	0.678938	0.999277
0.57296	0.889997702	13.65673	0.363091	0.16804	2.160735	0.030716	0.607634
9.32E-05	0.007688709	28.78532	0.077986	0.21169	0.368398	0.712576	0.999277
0.086548	0.463715767	653.2213	0.262584	0.129166	2.032921	0.04206	0.672512
0.962913	0.994289023	71.7506	0.430249	0.213559	2.014654	0.043941	0.679873
0.029092	0.273827696	367.5248	0.267246	0.142597	1.874133	0.060912	0.763542
0.882512	0.976939501	76.78103	0.41585	0.205722	2.021419	0.043236	0.677263
0.143068	0.572229119	53.67818	0.299684	0.212899	1.407631	0.15924	0.999277
0.334971	0.759008088	159.3111	0.566358	0.174366	3.2481	0.001162	0.132307
0.675148	0.927604313	10.43292	0.377939	0.169485	2.229925	0.025752	0.564188
0.830748	0.963218067	14.3438	0.462796	0.195135	2.37167	0.017708	0.482426
0.092056	0.476386823	243.7061	0.206625	0.153633	1.34493	0.178648	0.999277
0.018663	0.215799772	62.76194	0.179107	0.210805	0.849636	0.395527	0.999277
8.74E-06	0.001435597	91.29069	0.112158	0.190552	0.588596	0.556132	0.999277
0.011041	0.163083191	16.24255	0.066561	0.198434	0.335432	0.737299	0.999277
0.753288	0.943880604	10.42763	0.385481	0.186253	2.069662	0.038484	0.661945
0.000721	0.030013991	279.2333	0.186098	0.147732	1.2597	0.207777	0.999277
0.214968	0.665774183	181.3445	0.269862	0.172388	1.565433	0.117481	0.929931
0.06874	0.421069867	47.91879	0.192099	0.214991	0.893525	0.371576	0.999277
0.10606	0.505239899	124.7178	0.287795	0.179834	1.600333	0.109525	0.913261
0.046983	0.349223915	110.6825	0.234784	0.184278	1.274073	0.202638	0.999277
0.474475	0.842114432	333.6574	0.465199	0.156059	2.980917	0.002874	0.2359
1.73E-06	0.000432469	59.85695	0.003374	0.205682	0.016406	0.986911	0.999277
0.026139	0.258488419	20.19265	0.231971	0.211711	1.095699	0.273211	0.999277
0.223487	0.673576895	426.2721	0.260701	0.174321	1.495526	0.134777	0.961274
0.215793	0.666938278	211.8935	0.3352	0.155757	2.152066	0.031392	0.612927
0.165909	0.605102404	33.17318	0.255036	0.216992	1.175325	0.239865	0.999277
0.621982	0.907988155	125.7387	0.469812	0.178449	2.632748	0.00847	0.375106
0.491622	0.852802998	109.9256	0.369404	0.209434	1.763824	0.077762	0.819387
0.039676	0.322987351	44.12232	0.172396	0.21457	0.80345	0.421715	0.999277
0.056471	0.38431437	72.54256	0.267557	0.212017	1.261957	0.206964	0.999277
0.484576	0.84842492	261.33	0.355601	0.170252	2.088671	0.036737	0.648426
0.008325	0.138933154	38.62403	0.15203	0.216959	0.700733	0.48347	0.999277
0.491988	0.852802998	104.1112	0.369012	0.193535	1.906696	0.05656	0.740613
0.255505	0.701792046	8.825821	0.268394	0.17292	1.55213	0.120631	0.929931
0.478491	0.844312989	93.81438	0.329173	0.201774	1.631397	0.102807	0.899753
0.935789	0.98687852	11.62941	0.413724	0.179627	2.303244	0.021265	0.520955

0.416665	0.80870583	199.8528	0.32896	0.178896	1.838829	0.06594	0.782967
0.377495	0.788723282	26.08009	0.310795	0.207512	1.497721	0.134206	0.96056
7.14E-07	0.000223505	90.46767	0.020159	0.193033	0.104431	0.916828	0.999277
0.575846	0.890535872	161.6475	0.361116	0.187902	1.921832	0.054627	0.729459
0.642593	0.914852273	40.09143	0.372976	0.214588	1.738099	0.082193	0.83449
0.001083	0.038824078	11.31379	0.037425	0.19635	0.190604	0.848836	0.999277
0.949689	0.991323144	348.693	0.4303	0.155736	2.763011	0.005727	0.32943
0.065214	0.41179587	9.054539	0.176352	0.188486	0.935623	0.349467	0.999277
0.737555	0.939837349	153.2764	0.392773	0.178044	2.20605	0.027381	0.582472
0.722643	0.937706262	17.13849	0.468822	0.207349	2.261033	0.023757	0.533496
0.670415	0.925767822	52.55032	0.359212	0.20874	1.72086	0.085276	0.84456
0.200128	0.647412042	83.20137	0.583485	0.217008	2.688767	0.007172	0.364449
0.069067	0.421143478	8.710271	0.155284	0.184043	0.843737	0.398816	0.999277
0.618985	0.907334933	42.28276	0.352937	0.216461	1.630485	0.102999	0.899753
0.046792	0.348768315	361.7653	0.282848	0.134405	2.10445	0.035339	0.644486
3.15E-05	0.003426367	162.1173	-0.11667	0.167833	-0.69514	0.48697	0.999277
0.315082	0.747985414	23.94776	0.541199	0.204859	2.641808	0.008246	0.375106
0.234664	0.683219522	10.34706	0.24639	0.184551	1.335077	0.181851	0.999277
0.972074	0.99553873	404.4248	0.416124	0.138861	2.996692	0.002729	0.231548
9.22E-05	0.007655349	37.7596	-0.06645	0.215416	-0.30847	0.757726	0.999277
0.025652	0.256464687	54.43079	0.206764	0.213103	0.970254	0.33192	0.999277
0.644342	0.915153198	193.099	0.353238	0.165014	2.140654	0.032302	0.625011
0.191957	0.638821592	32.9418	0.233932	0.208444	1.122278	0.261744	0.999277
0.241077	0.689435681	144.8018	0.543451	0.210715	2.57908	0.009906	0.390227
0.331075	0.75739504	128.6254	0.321836	0.176456	1.823893	0.068168	0.786955
0.099585	0.492105752	37.29531	0.178589	0.217011	0.822947	0.410538	0.999277
0.156155	0.594679472	63.28538	0.22416	0.209152	1.071756	0.28383	0.999277
0.939639	0.987896639	56.47185	0.408612	0.214087	1.908626	0.05631	0.740613
0.050425	0.362966388	235.2244	0.172011	0.157944	1.089066	0.276125	0.999277
0.003797	0.088876116	464.0047	0.106199	0.129011	0.823176	0.410408	0.999277
8.62E-07	0.000256195	97.40097	-0.02013	0.1881	-0.10704	0.914756	0.999277
0.88895	0.978618144	973.6403	0.397066	0.183712	2.161355	0.030668	0.607634
0.792417	0.954966399	223.9774	0.438314	0.167381	2.618663	0.008828	0.37572
0.158884	0.596830002	160.9844	0.294278	0.165623	1.776793	0.075602	0.814774
0.067446	0.417181262	21.15421	0.149287	0.200485	0.744629	0.456496	0.999277
0.130349	0.550675537	49.07319	0.27033	0.216742	1.247246	0.212307	0.999277
0.000126	0.009655216	56.40523	0.027345	0.210148	0.130121	0.89647	0.999277
0.05035	0.362810519	171.9879	0.270482	0.165463	1.634696	0.102113	0.899753
8.67E-08	4.64E-05	77.54448	0.028342	0.200936	0.141051	0.88783	0.999277
0.901155	0.981243428	158.2953	0.396879	0.191617	2.071214	0.038339	0.661945
0.258167	0.702821884	110.0836	0.302796	0.189969	1.593922	0.110954	0.91748
0.637295	0.91275233	119.2104	0.361508	0.197051	1.83459	0.066566	0.782967
0.099023	0.491241978	79.52096	0.212891	0.202733	1.050102	0.293671	0.999277
0.558491	0.883055067	90.22158	0.351629	0.192507	1.826576	0.067764	0.786739
0.690887	0.93167865	60.41149	0.370138	0.210892	1.755107	0.079241	0.825865
0.394283	0.796246138	527.4405	0.288748	0.129732	2.225725	0.026033	0.56934
0.013998	0.185007095	14.16243	0.093064	0.204866	0.454267	0.649637	0.999277
0.44895	0.825078456	19.92501	0.304951	0.210607	1.447964	0.147627	0.979095
0.28642	0.726761168	29.72092	0.273329	0.209813	1.302727	0.192668	0.999277
0.202298	0.650197277	63.41804	0.256339	0.214076	1.197421	0.231142	0.999277
0.033545	0.294416406	623.0507	0.270995	0.122877	2.205416	0.027425	0.582472
0.079316	0.445470122	87.61585	0.233214	0.193591	1.204677	0.228328	0.999277

8.22E-06	0.001427572	82.14251	-0.01564	0.197347	-0.07925	0.936836	0.999277
0.020953	0.229471922	15.03593	0.161807	0.206997	0.781689	0.434398	0.999277
0.897101	0.980340433	121.7981	0.421938	0.194512	2.169214	0.030066	0.607634
0.001315	0.043298428	102.213	0.024158	0.194293	0.124337	0.901048	0.999277
0.75665	0.944805241	76.25749	0.444453	0.216911	2.049013	0.040461	0.666839
0.07202	0.428814436	15.88248	0.18641	0.207709	0.897457	0.369475	0.999277
0.155937	0.594363605	337.0216	0.231619	0.149668	1.547554	0.12173	0.931292
0.394762	0.79659771	24.15583	0.289655	0.194101	1.492292	0.135623	0.961317
0.73903	0.940232174	31.95676	0.380128	0.216982	1.751887	0.079793	0.826776
0.933567	0.986607773	46.94312	0.416221	0.212986	1.954222	0.050675	0.707825
0.010823	0.161289594	179.764	0.171915	0.173803	0.989136	0.322597	0.999277
0.403572	0.800156836	59.55349	0.33128	0.208849	1.586222	0.112689	0.925001
0.719917	0.936421107	104.5157	0.360345	0.180001	2.001911	0.045294	0.686886
0.293053	0.733373406	180.5392	0.312095	0.161582	1.93149	0.053422	0.722621
0.000272	0.015738604	197.1573	0.041117	0.186996	0.219884	0.825962	0.999277
0.043968	0.337833053	200.4103	0.250622	0.163967	1.528492	0.12639	0.94543
0.007719	0.132963441	285.7655	0.132249	0.1442	0.917117	0.359081	0.999277
0.034643	0.301269986	34.77905	0.193935	0.216754	0.894728	0.370933	0.999277
0.130652	0.550923363	51.61854	0.529944	0.214112	2.475075	0.013321	0.43624
0.434833	0.817830347	57.66909	0.319743	0.208175	1.535937	0.124554	0.939213
0.525221	0.868245196	33.16442	0.497541	0.206366	2.410963	0.01591	0.465067
0.105741	0.504407272	139.5623	0.267308	0.178473	1.497749	0.134199	0.96056
0.001094	0.038969125	177.0792	0.174041	0.187638	0.927538	0.353647	0.999277
0.308918	0.743403915	397.8657	0.513268	0.214247	2.395686	0.016589	0.474446
0.635793	0.912524658	47.69797	0.471195	0.215619	2.185311	0.028866	0.595666
0.002877	0.073435846	9.699084	0.034384	0.188141	0.182756	0.85499	0.999277
0.641156	0.914411444	155.6854	0.345182	0.197857	1.744602	0.081054	0.83161
0.915363	0.984522157	83.85769	0.412687	0.19874	2.07652	0.037846	0.65806
0.124082	0.538529622	10.65594	0.193693	0.19374	0.999754	0.31743	0.999277
0.370302	0.785063019	52.87599	0.297944	0.211674	1.407556	0.159263	0.999277
0.013057	0.178463521	99.18122	0.119997	0.194259	0.617717	0.536762	0.999277
0.096085	0.486139841	11.72639	0.15699	0.199076	0.788593	0.43035	0.999277
0.42711	0.814589985	28.13496	0.311829	0.209771	1.486524	0.13714	0.961317
0.040046	0.325011336	593.7173	0.168004	0.119661	1.404002	0.160318	0.999277
0.137741	0.565127216	48.32574	0.267949	0.212672	1.259914	0.2077	0.999277
0.843873	0.967663768	139.0703	0.416371	0.174812	2.381817	0.017227	0.480734
0.395182	0.796836245	27.69372	0.292362	0.216398	1.351039	0.176683	0.999277
0.032475	0.289526153	14.35297	0.112478	0.202609	0.555146	0.578795	0.999277
0.34291	0.765527629	25.86582	0.283953	0.216638	1.310723	0.189951	0.999277
0.022638	0.240110536	21.58154	0.093786	0.211494	0.443445	0.657444	0.999277
0.069067	0.421143478	8.96125	0.133544	0.184587	0.723476	0.469388	0.999277
0.374048	0.787458382	273.8664	0.505775	0.188202	2.687409	0.007201	0.364449
0.011828	0.169089016	15.26987	0.044075	0.185309	0.237843	0.812003	0.999277
0.057291	0.386285247	300.8938	0.120069	0.1457	0.824083	0.409893	0.999277
0.024689	0.250392406	13.40574	0.083198	0.203787	0.408261	0.683082	0.999277
0.58615	0.894127733	60.35448	0.334543	0.21544	1.552835	0.120463	0.929931
0.003893	0.089873969	24.90116	-0.01926	0.216133	-0.08912	0.928984	0.999277
0.000753	0.030955964	14.48244	-0.02498	0.198237	-0.12602	0.899715	0.999277
0.920846	0.985704596	225.3167	0.387905	0.163182	2.377134	0.017448	0.480853
0.043316	0.335849873	61.71957	0.173496	0.207686	0.835378	0.403505	0.999277
0.009372	0.148039738	335.9371	0.595578	0.147015	4.051123	5.10E-05	0.011992
0.140908	0.57118319	27.84544	0.251316	0.216769	1.159375	0.246303	0.999277

0.128236	0.547436547	54.19035	0.286357	0.209295	1.368201	0.171249	0.999277
0.889605	0.978618144	21.58241	0.372683	0.20906	1.782662	0.074641	0.809906
0.377956	0.78898728	53.08741	0.302432	0.215882	1.400912	0.16124	0.999277
0.076894	0.439999086	60.67181	0.199324	0.208748	0.954857	0.33965	0.999277
0.798475	0.956401774	16.0424	0.428667	0.185726	2.308067	0.020995	0.520955
0.839017	0.965740316	67.47962	0.421355	0.20811	2.024675	0.042901	0.675652
0.029155	0.273827696	11.94855	0.09732	0.198645	0.489918	0.624192	0.999277
0.564892	0.886153964	65.91478	0.325686	0.212272	1.534286	0.124959	0.940007
0.05507	0.379148447	26.72618	0.161674	0.216484	0.746819	0.455173	0.999277
0.039174	0.32155264	41.52847	0.098319	0.21646	0.454214	0.649675	0.999277
0.037564	0.314791755	155.9176	0.193402	0.191189	1.011573	0.311742	0.999277
0.024516	0.249777849	10.77521	0.108308	0.183791	0.5893	0.55566	0.999277
0.006831	0.124416605	14.0025	0.14207	0.20121	0.706081	0.480138	0.999277
0.001148	0.03988737	96.45398	0.124581	0.196256	0.634791	0.525565	0.999277
0.787556	0.954125065	87.64751	0.414619	0.205289	2.019683	0.043416	0.67836
0.678274	0.928687921	73.99473	0.343293	0.207947	1.650866	0.098766	0.896911
0.152785	0.589042386	401.0662	0.24597	0.137103	1.794057	0.072804	0.804529
0.007875	0.134441014	10.63324	0.011743	0.185446	0.063322	0.94951	0.999277
0.696632	0.933417775	46.81828	0.332348	0.210956	1.575435	0.115156	0.929931
0.230935	0.680589817	221.3825	0.296633	0.1641	1.807639	0.070663	0.800228
0.041899	0.332383335	14.35088	0.13231	0.204172	0.648031	0.516965	0.999277
0.016702	0.202596629	37.29963	0.157488	0.215988	0.729151	0.465909	0.999277
0.020388	0.225784352	77.97198	0.156551	0.199504	0.784703	0.432628	0.999277
0.490045	0.85150948	15.17623	0.311499	0.20112	1.54882	0.121425	0.931292
0.069014	0.421143478	62.8782	0.196073	0.206953	0.947428	0.343421	0.999277
0.001384	0.044270258	64.3207	0.07051	0.203829	0.345925	0.729399	0.999277
0.246812	0.695268245	480.3942	0.476517	0.181718	2.622296	0.008734	0.375106
0.004751	0.101278619	487.8002	0.024888	0.138442	0.179771	0.857332	0.999277
0.071829	0.428248021	10.29446	0.131341	0.176935	0.742311	0.457899	0.999277
0.000102	0.008224756	16.14533	-0.04851	0.203461	-0.23843	0.811549	0.999277
0.773326	0.949821182	39.47516	0.343464	0.216239	1.588354	0.112206	0.922377
0.116098	0.525525915	355.8722	0.187021	0.143027	1.307594	0.191011	0.999277
0.07848	0.444318403	16.01553	0.156985	0.205687	0.763224	0.44533	0.999277
0.225316	0.675141246	9.162496	0.22838	0.16513	1.38303	0.166656	0.999277
0.971362	0.99553873	12.12858	0.389112	0.194466	2.000924	0.045401	0.686886
0.135515	0.56116272	91.76078	0.238755	0.194603	1.226885	0.219866	0.999277
0.735	0.938791295	847.7829	0.353343	0.145179	2.433836	0.01494	0.45844
0.382092	0.790738618	36.04304	0.290909	0.216426	1.34415	0.1789	0.999277
0.211462	0.660664898	10.03109	0.222279	0.178558	1.244853	0.213186	0.999277
0.304656	0.740425055	9.140363	0.256907	0.181419	1.416096	0.156747	0.996626
0.755155	0.944437932	391.801	0.352461	0.176108	2.001391	0.04535	0.686886
0.031913	0.286708803	135.0901	0.219785	0.182984	1.201114	0.229707	0.999277
0.149128	0.582539588	301.7659	0.233708	0.17041	1.371449	0.170235	0.999277
0.364427	0.781659031	12.06223	0.250321	0.165187	1.515382	0.129676	0.95304
0.688615	0.931407252	378.3881	0.359053	0.142216	2.524706	0.01158	0.411141
0.436472	0.819027755	55.19145	0.314587	0.214717	1.465122	0.142888	0.976872
0.949191	0.991148678	40.6797	0.37284	0.216024	1.725922	0.084361	0.841745
0.037609	0.314791755	212.676	0.149267	0.16192	0.921854	0.356605	0.999277
0.504734	0.857065235	82.31426	0.433576	0.197945	2.190391	0.028496	0.592334
0.780874	0.951539521	33.52699	0.343934	0.210635	1.632847	0.102501	0.899753
0.00738	0.130484285	99.42608	0.086606	0.196687	0.440325	0.659702	0.999277
0.902546	0.981785171	40.97476	0.366689	0.214907	1.706265	0.087959	0.850716

0.902546	0.981785171	40.97476	0.366689	0.214907	1.706265	0.087959	0.850716
0.989373	0.998538548	182.5432	0.381635	0.171893	2.220184	0.026406	0.573542
0.273594	0.71652177	50.22991	0.25031	0.211889	1.181323	0.237474	0.999277
0.015824	0.197493818	17.7171	0.038064	0.207523	0.183421	0.854467	0.999277
0.738116	0.940097036	12.39756	0.334488	0.185144	1.806643	0.070818	0.800725
0.001055	0.038025302	67.70904	0.048039	0.207021	0.232049	0.8165	0.999277
0.789693	0.954486972	11.11907	0.347332	0.192661	1.80281	0.071418	0.804293
0.74963	0.942352049	101.829	0.356415	0.194465	1.8328	0.066832	0.784426
0.026979	0.262366343	54.16092	0.178391	0.208777	0.854459	0.392851	0.999277
0.002168	0.060236317	97.01289	0.052254	0.190108	0.274863	0.783422	0.999277
0.005451	0.109745734	94.79781	0.167074	0.190447	0.877272	0.380339	0.999277
0.061239	0.398334663	51.11053	0.178891	0.212688	0.841096	0.400294	0.999277
0.000606	0.026653241	20.89783	-0.03379	0.213678	-0.15813	0.874351	0.999277
0.005785	0.11400287	34.40837	0.014543	0.216677	0.067117	0.946488	0.999277
0.141563	0.571336955	64.95882	0.244714	0.202977	1.205623	0.227963	0.999277
0.358706	0.776427317	644.3031	0.26267	0.172666	1.52126	0.128195	0.951183
0.618435	0.907334933	32.62977	0.448743	0.212875	2.108012	0.03503	0.642691
0.209539	0.658416566	109.423	0.289915	0.18648	1.554667	0.120025	0.929931
0.014716	0.190243188	182.8146	0.218187	0.16169	1.349416	0.177203	0.999277
0.018806	0.216060658	10.45888	0.113683	0.185161	0.613971	0.539234	0.999277
0.401437	0.799749836	90.2899	0.297725	0.193413	1.539322	0.123726	0.936772
0.27298	0.715639956	60.14613	0.256321	0.211904	1.209612	0.226428	0.999277
0.018194	0.212218942	103.6518	0.121628	0.201179	0.604577	0.54546	0.999277
0.0133	0.180135941	31.86664	0.086257	0.216941	0.397606	0.690921	0.999277
0.271428	0.714347892	17.45819	0.216699	0.19855	1.091408	0.275093	0.999277
4.63E-05	0.004723346	67.85637	0.030349	0.203088	0.149437	0.881209	0.999277
0.245258	0.693511647	453.8208	0.484944	0.180748	2.682984	0.007297	0.364449
0.387372	0.793285967	11.92641	0.25455	0.185643	1.37118	0.170319	0.999277
0.187612	0.635226724	10.55099	0.182798	0.180275	1.013996	0.310585	0.999277
0.012814	0.176044802	365.0525	0.082866	0.137468	0.602803	0.54664	0.999277
0.646158	0.916607826	53.47677	0.331674	0.211388	1.569032	0.11664	0.929931
0.373788	0.787458382	147.9461	0.475549	0.171591	2.771419	0.005581	0.328151
0.047371	0.350611982	29.15465	0.165616	0.216998	0.763214	0.445336	0.999277
0.243706	0.691346371	33.65048	0.215411	0.216679	0.994145	0.320152	0.999277
0.000503	0.023878396	180.2244	0.120904	0.16233	0.744805	0.45639	0.999277
0.01696	0.203527919	72.24054	0.140123	0.200813	0.697782	0.485314	0.999277
0.682915	0.93032421	310.4192	0.320162	0.148754	2.152287	0.031375	0.612927
0.012292	0.17168784	73.35917	0.095382	0.204889	0.465533	0.64155	0.999277
0.008561	0.14072861	28.26398	0.103635	0.217009	0.477563	0.632961	0.999277
0.716654	0.935880005	19.85708	0.321715	0.205349	1.566678	0.11719	0.929931
0.468231	0.838975872	53.5276	0.275487	0.211572	1.302095	0.192884	0.999277
0.005187	0.106117678	360.4248	0.179236	0.143083	1.252667	0.210327	0.999277
0.894576	0.979860336	22.30267	0.352753	0.204412	1.725699	0.084402	0.841745
0.54284	0.875213603	24.70988	0.302746	0.209982	1.441768	0.149368	0.981396
0.89682	0.980340433	42.6869	0.386862	0.216235	1.789077	0.073602	0.806246
0.749325	0.942352049	133.1284	0.40833	0.200275	2.038845	0.041466	0.672512
0.234135	0.683219522	10.73829	0.198682	0.185452	1.071338	0.284017	0.999277
0.001102	0.038969125	200.0228	0.077397	0.162719	0.475647	0.634326	0.999277
0.003945	0.090353526	47.87512	0.093921	0.214928	0.436989	0.662119	0.999277
0.374843	0.787458382	30.67522	0.244813	0.21534	1.136865	0.255595	0.999277
0.106215	0.505617893	17.54214	0.166984	0.210038	0.795017	0.426604	0.999277
0.218877	0.669212189	28.85928	0.209367	0.216732	0.966017	0.334036	0.999277

0.138453	0.566309547	45.334	0.174718	0.215008	0.812608	0.416443	0.999277
0.211656	0.661030643	103.4062	0.200789	0.186208	1.078305	0.280898	0.999277
0.201971	0.649916138	52.09159	0.268124	0.209063	1.282499	0.199668	0.999277
8.79E-05	0.007527562	24.12426	-0.17534	0.216248	-0.81084	0.41746	0.999277
0.116326	0.525543383	171.9671	0.177138	0.188506	0.939694	0.347375	0.999277
0.707108	0.93479128	135.4002	0.40813	0.211881	1.926219	0.054077	0.726449
0.389149	0.79458437	505.2427	0.284115	0.143418	1.981023	0.047589	0.692254
0.2542	0.700275264	161.9047	0.281998	0.173058	1.6295	0.103207	0.899753
0.010135	0.154304877	69.1786	0.11077	0.209981	0.527525	0.597829	0.999277
0.008378	0.139284537	30.1658	0.020029	0.216876	0.092352	0.926418	0.999277
0.274617	0.716893573	15.65736	0.222269	0.200841	1.106691	0.268427	0.999277
0.987359	0.998337687	272.9759	0.365336	0.172932	2.112601	0.034635	0.639558
0.297476	0.73607616	127.037	0.443965	0.185891	2.388309	0.016926	0.476532
0.182116	0.628216762	15.36203	0.239809	0.207123	1.157813	0.24694	0.999277
0.495417	0.853711712	140.0539	0.307801	0.204866	1.502448	0.132982	0.959746
0.002729	0.071252472	10.02579	-0.04295	0.18501	-0.23214	0.816429	0.999277
0.017216	0.204196309	30.42834	0.130669	0.21624	0.604277	0.545659	0.999277
0.84454	0.967713968	125.3237	0.348235	0.21092	1.651023	0.098734	0.896911
0.366815	0.783262699	145.7102	0.258005	0.204085	1.264204	0.206157	0.999277
0.002031	0.057382706	18.83106	0.086657	0.212057	0.408651	0.682796	0.999277
0.390649	0.794805703	22.38648	0.490478	0.197394	2.484773	0.012963	0.42898
0.383769	0.790851448	92.75848	0.442186	0.204203	2.165422	0.030355	0.607634
0.006151	0.116959589	22.44975	0.170414	0.209918	0.811813	0.416899	0.999277
0.014173	0.186006387	152.1666	0.177614	0.184679	0.96174	0.33618	0.999277
0.027291	0.263586645	132.9677	0.172157	0.184686	0.932161	0.351253	0.999277
0.49241	0.852802998	90.10736	0.416436	0.202309	2.058417	0.03955	0.665714
0.224106	0.67387367	13.83242	0.224251	0.193265	1.160329	0.245915	0.999277
0.407912	0.802350555	337.0367	0.430785	0.144757	2.975918	0.002921	0.236705
0.000793	0.031814365	154.2651	0.132046	0.175147	0.753915	0.4509	0.999277
0.004957	0.102892844	9.72617	0.057344	0.186353	0.307718	0.758297	0.999277
0.839835	0.966267225	90.48758	0.388893	0.217024	1.791934	0.073144	0.805407
0.352725	0.773559122	29.8471	0.235403	0.216941	1.085101	0.277877	0.999277
0.170108	0.611307739	76.73286	0.197575	0.198385	0.995919	0.319289	0.999277
0.178773	0.622791952	14.53141	0.182915	0.202872	0.901629	0.367254	0.999277
0.026086	0.258488419	12.18269	0.056611	0.200786	0.281949	0.777983	0.999277
0.16034	0.599010814	25.69283	0.167664	0.211249	0.79368	0.427382	0.999277
0.630276	0.911456731	101.3462	0.303026	0.186129	1.628043	0.103516	0.899961
0.540296	0.873794135	87.2901	0.275341	0.196934	1.398139	0.162071	0.999277
0.478364	0.844241562	24.91174	0.28954	0.215593	1.342989	0.179275	0.999277
0.079972	0.44737339	454.6296	0.115162	0.132352	0.870114	0.384238	0.999277
0.096697	0.486524812	28.07642	0.211806	0.21699	0.976111	0.32901	0.999277
0.654579	0.919908379	121.9342	0.392139	0.182263	2.151501	0.031437	0.612927
0.011886	0.169569232	10.15515	0.008668	0.194058	0.044665	0.964374	0.999277
0.686001	0.931172733	191.454	0.392005	0.159009	2.465303	0.01369	0.442588
0.022778	0.240413525	26.85979	0.051655	0.216609	0.238472	0.811515	0.999277
0.944806	0.989441125	574.6429	0.364878	0.135028	2.702237	0.006887	0.359805
0.838654	0.96567072	34.14677	0.333163	0.207488	1.605698	0.10834	0.909828
0.815075	0.9594188	22.06092	0.339175	0.211895	1.60068	0.109448	0.913221
0.355365	0.774871619	428.3676	0.238231	0.131416	1.812799	0.069863	0.796336
0.063767	0.406470752	43.0294	0.150454	0.214976	0.699865	0.484012	0.999277
0.708465	0.93479128	126.8501	0.305817	0.176241	1.73522	0.082702	0.83449
0.289063	0.728676762	132.3771	0.44195	0.188519	2.344324	0.019062	0.49175

0.063458	0.405273619	89.90566	0.157734	0.207603	0.759788	0.447382	0.999277
0.275381	0.716915261	15.68399	0.198882	0.20707	0.960458	0.336825	0.999277
0.023941	0.246928511	69.52337	0.142778	0.20204	0.706683	0.479764	0.999277
0.770231	0.94929683	94.97873	0.399771	0.188031	2.126085	0.033496	0.63482
0.409109	0.803007486	122.2891	0.265057	0.198601	1.334619	0.182001	0.999277
0.506391	0.858530454	207.7398	0.436649	0.169732	2.572577	0.010094	0.390227
0.096085	0.486139841	11.24435	0.113912	0.197584	0.576526	0.56426	0.999277
9.46E-05	0.007713342	714.4307	-0.03506	0.114452	-0.30633	0.759352	0.999277
0.51534	0.862902266	38.96479	0.293401	0.215133	1.363814	0.172626	0.999277
0.233511	0.683219522	13.63287	0.189053	0.203494	0.929031	0.352873	0.999277
0.000407	0.020862582	127.7901	-0.00729	0.181849	-0.0401	0.968013	0.999277
0.164095	0.603036338	228.2126	0.177716	0.159303	1.115584	0.2646	0.999277
0.053225	0.374910234	30.43345	0.194229	0.216965	0.895207	0.370677	0.999277
0.321384	0.751563358	57.21724	0.241983	0.211684	1.143135	0.252982	0.999277
0.286544	0.726931436	194.3061	0.231637	0.169295	1.368247	0.171235	0.999277
0.798337	0.956401774	81.52086	0.325396	0.211163	1.54097	0.123324	0.9363
0.828879	0.963218067	20.37204	0.386041	0.202637	1.905086	0.056769	0.740613
0.653366	0.919811662	248.2343	0.381444	0.157552	2.421075	0.015475	0.465067
0.599671	0.898933866	163.0334	0.424351	0.192556	2.203778	0.02754	0.582472
0.805495	0.958008407	27.68545	0.336908	0.213122	1.580818	0.11392	0.92907
0.796741	0.955760717	18.28728	0.389549	0.198709	1.960393	0.04995	0.70392
0.321171	0.751482438	53.53826	0.434592	0.213046	2.039892	0.041361	0.672512
0.592713	0.895885058	24.60601	0.294849	0.201599	1.462553	0.14359	0.976872
0.654548	0.919908379	49.89956	0.327516	0.214965	1.523578	0.127614	0.949483
0.17704	0.619698727	70.25003	0.167248	0.213165	0.784594	0.432692	0.999277
0.971137	0.99553873	139.7063	0.3484	0.188224	1.850983	0.064172	0.776049
0.060721	0.396897526	18.08991	0.098779	0.189054	0.522492	0.601328	0.999277
0.083988	0.457485112	45.18937	0.209323	0.214755	0.97471	0.329704	0.999277
0.059912	0.394700044	9.730108	0.166571	0.189559	0.878733	0.379546	0.999277
0.939294	0.987896639	36.00404	0.363968	0.21163	1.719835	0.085462	0.84456
0.687256	0.931172733	769.9589	0.313828	0.143948	2.180144	0.029247	0.600176
0.074462	0.433401056	83.70426	0.193855	0.202834	0.95573	0.339208	0.999277
0.101222	0.496164496	73.3865	0.562878	0.217009	2.593801	0.009492	0.384673
1.37E-06	0.000365646	93.31867	-0.2967	0.194396	-1.52627	0.126943	0.948395
0.008831	0.142912407	26.48274	0.111062	0.216854	0.51215	0.608546	0.999277
0.683566	0.930609678	78.27235	0.313354	0.203149	1.542489	0.122955	0.93462
0.120643	0.533405714	77.58685	0.221072	0.200287	1.103775	0.269691	0.999277
0.25547	0.701792046	44.26209	0.194081	0.21546	0.900772	0.36771	0.999277
0.562341	0.885010828	50.8784	0.405424	0.212964	1.903717	0.056947	0.740812
0.011886	0.169569232	10.66583	-0.00089	0.196039	-0.00456	0.996364	0.999367
0.676853	0.927787926	108.9911	0.306625	0.215842	1.420601	0.155433	0.992837
0.935401	0.986761346	163.133	0.341166	0.171444	1.989961	0.046595	0.690038
0.202221	0.650197277	92.37909	0.260117	0.201768	1.28919	0.197332	0.999277
0.001703	0.051425719	19.78569	-0.04819	0.208967	-0.2306	0.817622	0.999277
0.480456	0.846258076	34.38215	0.246004	0.213338	1.153118	0.248862	0.999277
0.746333	0.941321938	193.6006	0.313118	0.189493	1.652402	0.098453	0.895353
0.000495	0.023622761	858.8453	0.038512	0.121276	0.317557	0.750821	0.999277
0.086982	0.464218963	18.25607	0.166714	0.212437	0.784768	0.432589	0.999277
0.289484	0.728999304	23.39959	0.225852	0.215024	1.050355	0.293555	0.999277
0.109648	0.512855014	840.0095	0.192871	0.138377	1.393811	0.163375	0.999277
0.430017	0.815670844	49.49472	0.233077	0.211337	1.10287	0.270084	0.999277
0.516933	0.863299525	36.7651	0.416621	0.215621	1.932191	0.053336	0.722621

0.414491	0.807887888	41.73385	0.275963	0.216736	1.273272	0.202922	0.999277
0.039231	0.32155264	93.06811	0.210566	0.19735	1.066963	0.285989	0.999277
0.26474	0.708038282	19.63603	0.243048	0.210778	1.1531	0.248869	0.999277
0.204087	0.652171829	304.3053	0.225565	0.144346	1.562672	0.11813	0.929931
0.356928	0.77540333	43.36086	0.265666	0.21381	1.242536	0.214039	0.999277
0.669676	0.925330569	47.58711	0.39935	0.216871	1.841417	0.06556	0.782578
0.991181	0.998538548	48.71225	0.34799	0.213872	1.627098	0.103716	0.900395
0.195321	0.641175643	30.76566	0.23566	0.217013	1.085926	0.277512	0.999277
0.464209	0.835710661	21.38654	0.440444	0.181512	2.426521	0.015244	0.463231
0.046738	0.348720368	196.1512	0.165924	0.162138	1.023347	0.306144	0.999277
0.01848	0.214650614	11.58304	0.002312	0.195271	0.011841	0.990553	0.999277
0.810655	0.958380374	98.93441	0.375099	0.191487	1.958873	0.050128	0.704854
0.988394	0.998397499	35.3187	0.344506	0.216709	1.589718	0.111898	0.921503
0.452276	0.827253765	58.14321	0.437673	0.206853	2.115864	0.034356	0.639558
0.829144	0.963218067	23.68853	0.376177	0.205393	1.831505	0.067025	0.784834
0.874258	0.975929662	143.838	0.36781	0.190033	1.935502	0.052929	0.722139
0.781219	0.951571897	282.7696	0.374091	0.15653	2.389902	0.016853	0.476532
0.153539	0.590097357	117.7706	0.214232	0.183287	1.168831	0.242472	0.999277
0.283887	0.725004462	12.04443	0.189348	0.18826	1.005778	0.314523	0.999277
0.223173	0.673246712	32.60719	0.232315	0.216613	1.072487	0.283501	0.999277
6.00E-07	0.000205666	316.1831	-0.04595	0.141733	-0.32417	0.745812	0.999277
0.99907	0.999408057	26.82856	0.344301	0.191471	1.798188	0.072147	0.804391
0.005614	0.111844937	283.314	0.128338	0.142411	0.90118	0.367493	0.999277
0.72899	0.938791295	48.50252	0.370759	0.213662	1.735257	0.082695	0.83449
0.251377	0.697958034	22.50633	0.17705	0.213168	0.830565	0.406219	0.999277
0.096912	0.486645207	224.8371	0.165797	0.15882	1.043927	0.296519	0.999277
0.207768	0.655782194	150.1995	0.223842	0.172048	1.30104	0.193245	0.999277
0.002055	0.057874162	15.74162	-0.10615	0.207232	-0.51222	0.6085	0.999277
0.28969	0.729243861	38.21058	0.213517	0.215977	0.988613	0.322852	0.999277
0.146161	0.576834739	206.8977	0.196205	0.162687	1.20603	0.227806	0.999277
0.000291	0.016537193	39.23396	-0.04269	0.215172	-0.19838	0.84275	0.999277
0.113208	0.51859098	50.22326	0.147772	0.214096	0.690217	0.490058	0.999277
0.049431	0.359100452	79.07816	0.088178	0.213503	0.413006	0.679603	0.999277
0.442546	0.822412917	17.77416	0.233592	0.204074	1.144644	0.252357	0.999277
0.196138	0.64227649	13.20741	0.169058	0.201542	0.838821	0.40157	0.999277
0.933527	0.986607773	112.2786	0.332086	0.186461	1.780991	0.074914	0.810687
0.330555	0.757116414	83.14421	0.245457	0.200855	1.222057	0.221686	0.999277
0.736121	0.939196077	82.04072	0.378042	0.204438	1.849179	0.064432	0.777181
0.057627	0.387668322	33.14638	0.523771	0.214709	2.439451	0.01471	0.45844
0.129173	0.548333708	67.09194	0.120417	0.208288	0.578124	0.56318	0.999277
0.16625	0.605328888	120.9824	0.1836	0.201113	0.91292	0.361285	0.999277
0.352936	0.773559122	420.1151	0.278906	0.16205	1.721113	0.08523	0.84456
0.406781	0.801957174	48.615	0.232039	0.216972	1.069441	0.284871	0.999277
0.006475	0.120620851	90.68133	0.059042	0.195654	0.301766	0.76283	0.999277
0.000423	0.021488847	107.0103	0.001724	0.182847	0.009427	0.992478	0.999277
0.401773	0.799749836	14.35899	0.228182	0.204535	1.11561	0.264589	0.999277
0.552852	0.880912848	34.3928	0.413656	0.21698	1.906427	0.056595	0.740613
0.053493	0.374910234	143.0512	0.152836	0.17205	0.888323	0.374367	0.999277
0.133623	0.556756887	33.11464	0.125359	0.217022	0.577631	0.563513	0.999277
0.426612	0.814589985	18.01049	0.253307	0.208221	1.216527	0.223784	0.999277
0.745922	0.941321938	35.70674	0.376937	0.216217	1.743331	0.081276	0.83161
0.791895	0.954659283	58.07191	0.360197	0.206639	1.743121	0.081312	0.83161

0.330403	0.757080095	181.2885	0.246612	0.175931	1.401756	0.160988	0.999277
0.280461	0.721618953	72.78825	0.211676	0.203254	1.041436	0.297673	0.999277
0.320228	0.750866885	25.78871	0.474338	0.208903	2.270612	0.02317	0.533496
0.617004	0.906916399	17.255	0.266627	0.210346	1.267564	0.204954	0.999277
0.012008	0.169924609	12.40291	-0.02419	0.199291	-0.12138	0.90339	0.999277
0.690732	0.93167865	251.9192	0.365776	0.147441	2.480834	0.013108	0.430481
0.763079	0.946679481	25.00778	0.380985	0.204346	1.864413	0.062264	0.76938
0.36875	0.784562847	136.6918	0.418525	0.184554	2.267758	0.023344	0.533496
0.071472	0.4271135	13.24219	0.115322	0.202528	0.569415	0.569075	0.999277
0.001099	0.038969125	150.8273	0.030062	0.171587	0.175201	0.860921	0.999277
1.74E-07	8.61E-05	122.9389	-0.12547	0.179049	-0.70074	0.483463	0.999277
0.179809	0.623888114	49.5529	0.14683	0.211466	0.694342	0.487468	0.999277
0.74038	0.940232174	67.16192	0.37691	0.210825	1.787782	0.073811	0.807834
0.571209	0.889450986	43.30254	0.26719	0.216085	1.236505	0.216271	0.999277
0.001197	0.041133244	54.24674	-0.09313	0.207784	-0.4482	0.654011	0.999277
0.473389	0.841899731	128.7313	0.249593	0.179892	1.387461	0.165301	0.999277
0.751963	0.943270258	64.7351	0.291169	0.2142	1.35933	0.174042	0.999277
0.004128	0.092734767	347.7088	0.074205	0.164674	0.450618	0.652265	0.999277
0.330403	0.757080095	181.7724	0.244132	0.17564	1.389958	0.164542	0.999277
0.004738	0.101198853	35.25616	0.046704	0.216591	0.215634	0.829273	0.999277
0.907869	0.982426881	157.6193	0.344845	0.182655	1.887959	0.059031	0.752489
0.429147	0.815457184	331.6126	0.413025	0.141376	2.921476	0.003484	0.257636
0.731489	0.938791295	18.02713	0.307121	0.210868	1.456458	0.145266	0.977082
0.494178	0.852929488	10.67495	0.246463	0.186336	1.322679	0.185942	0.999277
0.347219	0.768755521	78.72788	0.227132	0.195922	1.159297	0.246335	0.999277
0.002482	0.067001372	13.39435	0.022378	0.203199	0.110127	0.912309	0.999277
0.337223	0.760158764	64.75546	0.272176	0.208457	1.305672	0.191664	0.999277
0.39283	0.795485504	30.62216	0.230421	0.216922	1.06223	0.288131	0.999277
0.54001	0.873794135	126.672	0.412164	0.179612	2.294748	0.021748	0.526666
0.614568	0.905840947	152.7036	0.279583	0.185205	1.509583	0.13115	0.954441
0.879431	0.97662978	48.96746	0.313498	0.216646	1.447049	0.147883	0.979444
0.828924	0.963218067	16.05358	0.306533	0.206516	1.484306	0.137728	0.963238
0.009518	0.149333589	51.29989	0.104662	0.209598	0.499346	0.617535	0.999277
0.62473	0.908090896	38.64771	0.387239	0.216188	1.79121	0.07326	0.805483
0.12486	0.540049533	58.51447	0.173663	0.211294	0.8219	0.411134	0.999277
0.014047	0.185007095	9.778607	-0.02098	0.19051	-0.11013	0.912306	0.999277
0.636761	0.912672648	121.8671	0.393759	0.188211	2.092115	0.036428	0.648426
0.686562	0.931172733	35.49817	0.393686	0.206854	1.903214	0.057013	0.740812
0.675301	0.927604313	54.56575	0.276957	0.217021	1.276178	0.201892	0.999277
0.437676	0.819206029	71.44329	0.255464	0.207499	1.231155	0.218265	0.999277
0.368272	0.784139094	41.57662	0.252251	0.21536	1.171304	0.241477	0.999277
0.122604	0.535500153	18.28919	0.193815	0.211883	0.914729	0.360334	0.999277
0.107979	0.510417982	55.29602	0.114517	0.216922	0.527918	0.597557	0.999277
0.168528	0.609004816	71.39283	0.16065	0.205637	0.781232	0.434666	0.999277
0.633936	0.912411508	39.58403	0.267949	0.212242	1.26247	0.20678	0.999277
0.120791	0.533405714	53.35372	0.224797	0.21265	1.057121	0.290456	0.999277
0.14261	0.572012811	163.6248	0.240791	0.18293	1.316303	0.188072	0.999277
0.753833	0.943932775	17.62846	0.297972	0.204376	1.457957	0.144852	0.977082
0.142355	0.571875272	90.54675	0.122235	0.19224	0.635845	0.524877	0.999277
0.429205	0.815457184	9.774156	0.227345	0.172443	1.318376	0.187378	0.999277
0.067792	0.418559944	50.36781	0.126453	0.21021	0.601556	0.54747	0.999277
0.120613	0.533405714	240.4004	0.204661	0.155238	1.318372	0.187379	0.999277

0.750782	0.942711807	38.41137	0.295073	0.215293	1.370567	0.17051	0.999277
0.01429	0.186532107	16.77414	-0.02501	0.204358	-0.12239	0.902591	0.999277
9.64E-06	0.001528394	1111.206	-0.00196	0.125422	-0.01562	0.987536	0.999277
0.000704	0.02962597	24.30792	-0.0335	0.214966	-0.15586	0.876143	0.999277
0.717905	0.935996695	49.89524	0.286509	0.212183	1.350296	0.176921	0.999277
0.888852	0.978618144	68.06455	0.343676	0.21291	1.614185	0.106487	0.90525
0.24932	0.696085436	327.4455	0.233194	0.178062	1.309622	0.190324	0.999277
0.039283	0.32155264	9.571128	0.034482	0.191371	0.180183	0.857009	0.999277
0.254403	0.700275264	19.49739	0.220743	0.213452	1.034158	0.301062	0.999277
0.004611	0.099086145	8.961196	-0.04772	0.178109	-0.26792	0.788763	0.999277
0.965513	0.994841882	38.32335	0.324832	0.216965	1.497164	0.13435	0.96056
0.226194	0.675763848	42.97486	0.154853	0.215914	0.717196	0.473253	0.999277
0.427917	0.815001869	10.98154	0.21859	0.187349	1.166755	0.243309	0.999277
0.009574	0.149522916	24.83717	0.030789	0.216009	0.142537	0.886656	0.999277
0.676839	0.927787926	79.54581	0.285912	0.198726	1.43872	0.15023	0.982122
0.396452	0.797240884	123.2502	0.247671	0.181876	1.361757	0.173275	0.999277
0.831827	0.963528861	16.68978	0.358203	0.190271	1.882594	0.059755	0.756124
0.601113	0.899179976	12.99427	0.252527	0.193494	1.305093	0.191861	0.999277
0.5517	0.880267949	44.8577	0.255284	0.216046	1.181616	0.237358	0.999277
0.555843	0.882189828	10.75522	0.241549	0.186416	1.29575	0.195062	0.999277
0.68311	0.93032421	48.55397	0.383811	0.217018	1.76857	0.076966	0.819234
0.543677	0.875213603	685.4815	0.25402	0.131259	1.93526	0.052958	0.722139
0.440429	0.821185993	169.4703	0.248353	0.188701	1.316119	0.188134	0.999277
0.185522	0.631890551	23.00153	0.153216	0.21501	0.7126	0.476093	0.999277
0.038903	0.320909863	18.56597	0.098972	0.211476	0.468008	0.639779	0.999277
0.030027	0.277961936	58.30149	0.099706	0.207629	0.480213	0.631076	0.999277
0.035119	0.303099049	123.4523	0.195457	0.182414	1.071503	0.283944	0.999277
0.623948	0.907988155	11.9398	0.255689	0.199423	1.282145	0.199792	0.999277
0.256235	0.702061462	130.9871	0.184449	0.200552	0.919706	0.357727	0.999277
0.048464	0.35537572	39.97694	0.101442	0.21516	0.47147	0.637305	0.999277
0.216548	0.66711094	21.53886	0.160551	0.213256	0.752855	0.451537	0.999277
0.110299	0.514156037	356.9428	0.17241	0.147626	1.167887	0.242852	0.999277
0.007544	0.131385984	37.99755	0.038504	0.216255	0.17805	0.858684	0.999277
0.317714	0.750019078	14.15354	0.204423	0.187672	1.089254	0.276042	0.999277
0.009292	0.147167918	8.770888	-0.03736	0.185634	-0.20128	0.840482	0.999277
0.568573	0.888146309	122.8463	0.275004	0.190647	1.442479	0.149167	0.981073
0.104812	0.501924467	301.1044	0.091108	0.14922	0.610563	0.541489	0.999277
0.398999	0.799373427	22.79148	0.401997	0.209949	1.914737	0.055526	0.734979
0.118448	0.528824053	32.12276	0.122434	0.21672	0.56494	0.572115	0.999277
0.07907	0.445187123	21.08178	0.096443	0.212581	0.453676	0.650062	0.999277
0.002525	0.067553382	136.3637	0.089299	0.174548	0.5116	0.608931	0.999277
0.100154	0.493095328	309.178	0.202764	0.148071	1.369371	0.170883	0.999277
0.134947	0.560072582	11.68874	0.112167	0.187269	0.598964	0.549197	0.999277
5.71E-08	3.60E-05	45.14583	-0.34558	0.212991	-1.62249	0.104698	0.902091
0.129711	0.549048329	55.14808	0.151723	0.210957	0.719212	0.472011	0.999277
0.011252	0.164371661	29.5893	0.049919	0.215207	0.23196	0.816569	0.999277
0.065699	0.413074531	98.73601	0.138064	0.194964	0.708152	0.478851	0.999277
0.234286	0.683219522	34.10872	0.190259	0.217009	0.876736	0.38063	0.999277
0.920319	0.985704596	86.46141	0.316536	0.200937	1.575294	0.115189	0.929931
0.019015	0.217113564	70.3454	0.125534	0.202447	0.620085	0.535202	0.999277
0.297631	0.73607616	122.0923	0.222677	0.201661	1.104214	0.2695	0.999277
0.497503	0.853814273	154.7068	0.242786	0.209211	1.160483	0.245852	0.999277

0.979095	0.996602004	98.15857	0.321266	0.206265	1.557538	0.119343	0.929931
0.00502	0.103951373	48.12509	-0.01237	0.212938	-0.05809	0.953678	0.999277
0.426283	0.814589985	71.78013	0.217872	0.200571	1.086259	0.277364	0.999277
0.910431	0.983347023	129.4031	0.337823	0.184499	1.83103	0.067096	0.784834
0.201232	0.648578288	69.82218	0.21591	0.201953	1.069109	0.285021	0.999277
0.322285	0.751983433	244.2244	0.412411	0.178889	2.305402	0.021144	0.520955
0.00883	0.142912407	42.33181	0.07875	0.215624	0.365218	0.714949	0.999277
0.513116	0.861882292	343.1584	0.267672	0.142501	1.878396	0.060327	0.760252
0.29639	0.735498118	2456.673	0.237945	0.09511	2.501787	0.012357	0.42787
0.265206	0.708435983	166.5456	0.404291	0.176887	2.285588	0.022278	0.532365
0.582677	0.892926328	76.92717	0.249702	0.199922	1.248998	0.211666	0.999277
0.108407	0.510417982	266.3561	0.167973	0.168319	0.997941	0.318308	0.999277
0.76587	0.947875748	41.66681	0.284836	0.215923	1.319157	0.187117	0.999277
0.233761	0.683219522	17.17167	0.146413	0.201589	0.726298	0.467656	0.999277
0.179197	0.623409084	31.15846	0.124343	0.215015	0.578298	0.563063	0.999277
0.380553	0.790279608	9.870497	0.199082	0.188671	1.055184	0.291341	0.999277
0.081809	0.451876349	170.9525	0.182317	0.173081	1.053361	0.292176	0.999277
0.562442	0.885010828	9.078709	0.391409	0.166319	2.353362	0.018604	0.488938
0.230965	0.680589817	24.03261	0.166091	0.216236	0.768098	0.442429	0.999277
0.086367	0.463081933	202.5809	0.135474	0.163816	0.826986	0.408245	0.999277
0.067119	0.416338554	17.14923	0.081253	0.200765	0.404715	0.685687	0.999277
1.69E-06	0.000432469	229.6107	-0.06733	0.159643	-0.42177	0.67319	0.999277
0.06531	0.41179587	39.10642	0.173066	0.215846	0.801801	0.422668	0.999277
0.178682	0.622638105	13.30997	0.160936	0.201249	0.799686	0.423892	0.999277
0.799454	0.956574326	60.3201	0.296571	0.212945	1.39271	0.163707	0.999277
0.9867	0.998041473	13.3588	0.315746	0.189878	1.662886	0.096335	0.889738
0.028113	0.269185505	22.58461	0.048586	0.214767	0.226227	0.821025	0.999277
0.049152	0.35843728	79.58701	0.105959	0.201894	0.524826	0.599704	0.999277
0.311846	0.745302162	144.4423	0.215856	0.173347	1.245226	0.213049	0.999277
0.000683	0.029067334	523.1536	0.058636	0.130721	0.448554	0.653754	0.999277
0.663005	0.924637662	65.47603	0.270677	0.21065	1.284959	0.198807	0.999277
0.211738	0.661131339	18.44611	0.173711	0.207152	0.83857	0.40171	0.999277
0.067017	0.416338554	33.42281	0.056852	0.216543	0.262542	0.792903	0.999277
0.128195	0.547436547	312.3175	0.492595	0.172431	2.856768	0.00428	0.286337
0.000276	0.015819977	121.5936	-0.00172	0.180606	-0.00954	0.992392	0.999277
0.406752	0.801957174	232.4996	0.389779	0.172174	2.263864	0.023582	0.533496
0.212956	0.662162147	318.2015	0.446209	0.16054	2.779419	0.005446	0.328059
0.32882	0.755404931	232.6935	0.184037	0.149783	1.228686	0.21919	0.999277
0.203545	0.651685592	38.72772	0.16019	0.216808	0.738854	0.459996	0.999277
0.142423	0.571875272	40.12025	0.171147	0.215694	0.793474	0.427502	0.999277
0.580286	0.892820666	115.5462	0.27566	0.181204	1.521266	0.128193	0.951183
0.434948	0.817830347	58.2216	0.418348	0.211155	1.98124	0.047564	0.692254
0.423483	0.813443725	346.2064	0.211027	0.14451	1.460288	0.144211	0.977082
0.955346	0.992623776	38.99536	0.311991	0.216992	1.437796	0.150492	0.982122
0.767271	0.948582884	28.76168	0.27288	0.216775	1.258816	0.208097	0.999277
0.005891	0.11400287	46.09792	0.106251	0.211843	0.501555	0.61598	0.999277
0.055071	0.379148447	191.6279	0.138948	0.16984	0.818116	0.413291	0.999277
0.107589	0.509437032	127.1994	0.145643	0.191461	0.760691	0.446842	0.999277
0.026369	0.259172871	33.53934	0.085148	0.216887	0.392592	0.694621	0.999277
0.145037	0.57494377	29.8051	0.177283	0.216849	0.817542	0.413619	0.999277
0.221595	0.671974837	66.53495	0.420959	0.214545	1.962101	0.049751	0.703466
0.045582	0.344040196	49.9021	0.10313	0.210132	0.490788	0.623576	0.999277

0.050844	0.364801743	150.2565	0.156382	0.173403	0.90184	0.367142	0.999277
0.230597	0.680589817	10.94649	0.141603	0.181973	0.778152	0.43648	0.999277
0.375033	0.787458382	975.0096	0.258284	0.113154	2.282585	0.022455	0.533496
0.001448	0.045967516	13.57804	-0.0665	0.194272	-0.3423	0.732125	0.999277
0.038182	0.317595678	202.677	0.127128	0.162738	0.781186	0.434693	0.999277
0.002755	0.071796796	139.8273	-0.01095	0.173523	-0.06308	0.949703	0.999277
0.874861	0.975929662	37.74127	0.327326	0.209861	1.559729	0.118824	0.929931
0.642234	0.914729553	9.731798	0.244477	0.169066	1.446046	0.148164	0.979444
0.430559	0.816125337	21.13195	0.238927	0.2141	1.115957	0.26444	0.999277
0.096625	0.486524812	11.78499	0.094195	0.186878	0.504043	0.614231	0.999277
0.75032	0.942407307	132.0878	0.345577	0.215494	1.60365	0.108791	0.909828
0.00254	0.067634671	13.59694	-0.02067	0.204493	-0.10108	0.919485	0.999277
0.675712	0.927604313	9.85446	0.250268	0.183178	1.366253	0.171859	0.999277
0.096227	0.486482538	108.9248	0.178239	0.187166	0.952305	0.340942	0.999277
0.000954	0.035993171	37.06803	-0.10114	0.216594	-0.46697	0.640521	0.999277
0.00262	0.069354474	13.58114	-0.1281	0.201966	-0.63428	0.5259	0.999277
0.011979	0.169924609	11.55485	-0.01206	0.191891	-0.06282	0.949907	0.999277
0.05937	0.392678821	9.419565	0.034433	0.189385	0.181815	0.855728	0.999277
0.35323	0.773626982	100.7215	0.438403	0.190869	2.296873	0.021626	0.526666
0.077083	0.440137403	171.9206	0.179475	0.178814	1.003693	0.315527	0.999277
0.272226	0.715514773	34.82272	0.17068	0.21631	0.789055	0.43008	0.999277
0.901807	0.981696482	44.81875	0.324221	0.216516	1.497446	0.134277	0.96056
0.305689	0.741541601	62.54964	0.214828	0.211184	1.017255	0.309032	0.999277
0.065909	0.413509306	34.81444	0.116394	0.216272	0.538183	0.590451	0.999277
3.91E-05	0.004083748	36.28062	-0.0341	0.216617	-0.1574	0.874926	0.999277
0.98422	0.997439038	22.93625	0.310483	0.20221	1.535449	0.124674	0.939213
0.421427	0.812024774	80.06338	0.243003	0.201443	1.206309	0.227698	0.999277
0.001371	0.044194033	422.8013	0.034	0.153618	0.221325	0.824839	0.999277
0.142366	0.571875272	17.91401	0.1155	0.204622	0.564454	0.572445	0.999277
0.836284	0.965088948	204.477	0.331869	0.179093	1.853054	0.063875	0.774966
0.702353	0.934077476	11.41783	0.25743	0.183407	1.403599	0.160438	0.999277
0.222469	0.672791931	619.0613	0.154577	0.136043	1.136234	0.255859	0.999277
0.118403	0.528824053	9.143482	0.090016	0.179874	0.500438	0.616767	0.999277
0.544195	0.875219687	217.6817	0.249863	0.168991	1.47856	0.139258	0.965639
0.00625	0.11793375	256.1933	-0.0057	0.155638	-0.03665	0.970763	0.999277
0.2741	0.716676312	268.0196	0.20976	0.15189	1.381005	0.167278	0.999277
0.962696	0.994289023	22.46643	0.311332	0.214345	1.452482	0.146368	0.977082
0.255599	0.701792046	27.55268	0.458395	0.212134	2.160874	0.030705	0.607634
0.313126	0.746673364	13.53157	0.180813	0.198921	0.908967	0.363367	0.999277
0.406858	0.801957174	165.3921	0.190283	0.167156	1.138357	0.254971	0.999277
0.099791	0.492764013	91.69792	0.207178	0.192972	1.073621	0.282993	0.999277
0.665824	0.925067398	25.13978	0.256907	0.216054	1.189086	0.234406	0.999277
0.753337	0.943880604	9.591147	0.260062	0.166413	1.562748	0.118112	0.929931
5.71E-08	3.60E-05	44.71047	-0.36463	0.213364	-1.70897	0.087457	0.847806
0.556572	0.882675674	70.27609	0.235039	0.204185	1.151111	0.249686	0.999277
0.221826	0.672097082	386.0223	0.191158	0.147899	1.292487	0.196189	0.999277
0.334782	0.759008088	10.04181	0.171868	0.179617	0.956855	0.33864	0.999277
0.040981	0.329086972	383.0253	0.10479	0.143166	0.731949	0.464199	0.999277
0.056813	0.385004497	49.38119	0.066259	0.211415	0.313409	0.75397	0.999277
0.530439	0.869877719	73.6649	0.224823	0.204615	1.098762	0.271872	0.999277
0.115203	0.522715569	116.2047	0.154624	0.19616	0.788255	0.430548	0.999277
0.669008	0.925067398	12.70258	0.364146	0.183184	1.987866	0.046826	0.690038

0.594694	0.896527484	179.1265	0.26063	0.209516	1.24396	0.213514	0.999277
0.076065	0.438116456	30.30271	0.075725	0.216993	0.348973	0.72711	0.999277
0.009508	0.149333589	4035.575	-0.0353	0.11188	-0.3155	0.752385	0.999277
0.755704	0.944599196	20.75184	0.26098	0.21112	1.236169	0.216396	0.999277
0.067538	0.417181262	287.8173	0.078246	0.145112	0.53921	0.589742	0.999277
0.053234	0.374910234	131.397	0.132321	0.178562	0.741035	0.458673	0.999277
0.66344	0.924637662	85.20437	0.244962	0.212156	1.154629	0.248242	0.999277
0.692467	0.932146066	60.32495	0.355527	0.216676	1.640822	0.100834	0.899753
0.023564	0.244935088	13.39546	0.009532	0.188472	0.050574	0.959665	0.999277
0.010173	0.154696813	440.3974	0.064079	0.131286	0.488088	0.625488	0.999277
0.008388	0.139284537	2464.743	0.029924	0.094369	0.31709	0.751175	0.999277
0.533011	0.871743179	11.40541	0.211765	0.195027	1.085828	0.277555	0.999277
0.982059	0.997345179	63.16229	0.304803	0.216833	1.405708	0.159811	0.999277
0.528905	0.86938189	461.6831	0.227856	0.128658	1.77102	0.076557	0.81875
0.000862	0.033718441	60.51257	-0.0486	0.208057	-0.23357	0.815315	0.999277
0.011341	0.165004048	221.4014	0.019089	0.170745	0.111796	0.910986	0.999277
0.039999	0.324878518	89.53938	0.126995	0.199114	0.637797	0.523606	0.999277
0.198043	0.64523528	203.9073	0.120256	0.16326	0.73659	0.461372	0.999277
0.138238	0.566241658	602.1471	0.156817	0.148745	1.054264	0.291762	0.999277
0.078936	0.445187123	31.0384	0.047597	0.216977	0.219362	0.826368	0.999277
0.69923	0.933914128	108.1153	0.269505	0.18786	1.434606	0.151399	0.984817
0.020128	0.22458316	146.2991	0.114088	0.184191	0.6194	0.535653	0.999277
0.00083	0.033093416	180.2524	-0.00305	0.162484	-0.01879	0.985009	0.999277
0.430623	0.816125337	33.48088	0.229498	0.21702	1.057494	0.290286	0.999277
0.384255	0.791060127	64.25596	0.423886	0.21477	1.973672	0.048419	0.692668
0.349974	0.771454722	19.37512	0.4297	0.188661	2.27763	0.022749	0.533496
0.714709	0.935646775	33.40598	0.352608	0.216879	1.625831	0.103986	0.900395
0.001263	0.042541762	187.0848	0.061632	0.16502	0.373482	0.70879	0.999277
0.157802	0.596629211	10.24315	0.144356	0.187087	0.771598	0.440353	0.999277
0.18527	0.631890551	37.34384	0.198266	0.216996	0.913684	0.360883	0.999277
0.768678	0.949008704	24.92043	0.25875	0.215142	1.202692	0.229096	0.999277
0.016555	0.202349152	391.6599	0.058571	0.140887	0.415732	0.677606	0.999277
0.271218	0.713936492	145.9026	0.415522	0.170926	2.431002	0.015057	0.458644
0.94353	0.98909524	418.3309	0.292145	0.156544	1.866218	0.062011	0.767757
0.621894	0.907988155	93.15583	0.344454	0.194766	1.768551	0.076969	0.819234
0.592606	0.895885058	209.2307	0.338176	0.155801	2.170564	0.029964	0.607634
0.512452	0.861822466	46.97013	0.222911	0.21423	1.040518	0.298099	0.999277
0.004916	0.102353266	97.27091	0.035497	0.187436	0.189381	0.849794	0.999277
0.031907	0.286708803	22.72252	-0.00459	0.213665	-0.02147	0.982868	0.999277
0.730976	0.938791295	1574.512	0.269462	0.111662	2.413196	0.015813	0.465067
0.134902	0.560072582	46.562	0.164222	0.21468	0.764961	0.444295	0.999277
6.44E-05	0.005860132	14.73796	-0.06706	0.20378	-0.32908	0.742096	0.999277
0.480771	0.846450746	138.7373	0.23778	0.17533	1.356186	0.17504	0.999277
0.668429	0.925067398	57.49927	0.262887	0.211404	1.243525	0.213675	0.999277
0.075308	0.43596186	124.4367	0.186266	0.190441	0.978081	0.328034	0.999277
0.128391	0.547436547	67.43572	0.164765	0.201671	0.817	0.413928	0.999277
0.010134	0.154304877	14.561	-0.00894	0.205096	-0.0436	0.965226	0.999277
0.873588	0.975929662	192.6501	0.280133	0.17469	1.603603	0.108802	0.909828
0.018771	0.216060658	42.20683	0.060413	0.213755	0.282628	0.777462	0.999277
0.175473	0.617729055	19.35162	0.138813	0.208319	0.666349	0.505188	0.999277
0.165797	0.605102404	16.3962	0.112211	0.208988	0.536924	0.59132	0.999277
0.685392	0.931172733	93.58566	0.254933	0.202162	1.261033	0.207297	0.999277

0.123009	0.535747264	53.07528	0.072321	0.21316	0.33928	0.734399	0.999277
0.940517	0.988134075	45.51996	0.290722	0.215385	1.349773	0.177089	0.999277
0.286284	0.726761168	14.01946	0.145413	0.200276	0.726063	0.4678	0.999277
0.045484	0.343886181	73.74274	0.042621	0.198572	0.21464	0.830048	0.999277
0.226483	0.675763848	78.17433	0.392158	0.20266	1.935047	0.052984	0.722139
0.39994	0.799749836	15.37819	0.182342	0.202715	0.899498	0.368387	0.999277
0.793794	0.95537781	59.12838	0.326666	0.216216	1.510833	0.130831	0.954087
0.347254	0.768755521	42.09184	0.407169	0.214297	1.900027	0.05743	0.743058
0.064747	0.410694195	267.2222	0.110146	0.149071	0.738881	0.459979	0.999277
0.427375	0.814589985	144.1477	0.194925	0.188067	1.036466	0.299985	0.999277
0.840892	0.966670198	38.79619	0.313346	0.216702	1.445976	0.148184	0.979444
0.138825	0.566965145	47.67205	0.120924	0.211916	0.57062	0.568257	0.999277
0.070214	0.423979758	112.4472	0.172699	0.185536	0.930811	0.351952	0.999277
0.519717	0.86503021	118.0866	0.245894	0.193929	1.267963	0.204811	0.999277
0.047047	0.349223915	10.1967	0.061007	0.19291	0.316244	0.751818	0.999277
0.783015	0.952631912	467.3358	0.272649	0.130189	2.094251	0.036238	0.648426
0.099989	0.493095328	24.63715	0.111256	0.214316	0.519122	0.603676	0.999277
0.059485	0.392821957	259.9964	0.469372	0.168035	2.793299	0.005217	0.323296
0.222754	0.672985137	105.1406	0.164495	0.189421	0.868408	0.385171	0.999277
0.653736	0.919811662	16.09579	0.246393	0.202595	1.216184	0.223915	0.999277
0.74191	0.94054009	46.63909	0.254885	0.213654	1.192981	0.232877	0.999277
0.837411	0.965547986	828.8969	0.270798	0.211732	1.278965	0.200909	0.999277
0.135976	0.562374843	47.89334	0.121769	0.217026	0.56108	0.574743	0.999277
0.117416	0.527207809	12.13364	0.073163	0.183014	0.399765	0.68933	0.999277
0.312959	0.746673364	46.66072	0.192065	0.216309	0.887918	0.374585	0.999277
0.847784	0.968759212	92.61824	0.281789	0.192474	1.464035	0.143184	0.976872
0.023011	0.241810311	9.295553	0.055247	0.179472	0.307834	0.758209	0.999277
0.123098	0.535802231	565.5721	0.133067	0.125314	1.061868	0.288295	0.999277
0.218262	0.66879159	31.95096	0.155715	0.215724	0.721826	0.470402	0.999277
0.19111	0.638322013	46.75893	0.169224	0.212483	0.796409	0.425794	0.999277
0.515467	0.862922818	18.43532	0.203095	0.198593	1.022668	0.306465	0.999277
0.000634	0.027520751	367.9333	0.016773	0.132803	0.126299	0.899495	0.999277
0.730058	0.938791295	82.70189	0.261727	0.194083	1.34853	0.177488	0.999277
0.60539	0.902145349	8.98402	0.217846	0.183534	1.186951	0.235247	0.999277
2.68E-06	0.000578682	83.47294	-0.08227	0.199094	-0.41321	0.679454	0.999277
0.650289	0.91886709	91.30692	0.24868	0.19374	1.283574	0.199291	0.999277
0.147735	0.57962793	35.52328	0.165609	0.217007	0.763148	0.445375	0.999277
0.069843	0.423395919	184.5817	0.189503	0.171837	1.102811	0.270109	0.999277
5.84E-06	0.001115207	25.07386	-0.1196	0.21155	-0.56537	0.571824	0.999277
0.042461	0.333068766	23.66385	-0.00427	0.215645	-0.01982	0.984187	0.999277
0.014696	0.190243188	94.01985	0.008323	0.213659	0.038956	0.968925	0.999277
0.606682	0.902971976	26.2261	0.235761	0.216381	1.089562	0.275906	0.999277
0.688458	0.931407252	125.1547	0.335291	0.184615	1.816166	0.069345	0.793294
0.382682	0.790738618	15.56171	0.418195	0.196133	2.132207	0.03299	0.632021
0.385946	0.792576238	288.2536	0.223257	0.169934	1.313792	0.188916	0.999277
0.920261	0.985704596	135.6128	0.297445	0.17472	1.702407	0.088679	0.851686
0.780242	0.951422339	133.3883	0.266215	0.180257	1.47686	0.139713	0.966938
0.141385	0.571236062	101.206	0.111436	0.190095	0.586215	0.557731	0.999277
0.073464	0.431351972	97.77645	0.127971	0.194613	0.657566	0.510817	0.999277
0.953711	0.992357094	143.9474	0.284728	0.182516	1.560019	0.118755	0.929931
0.635605	0.912524658	173.6784	0.233316	0.168809	1.382128	0.166932	0.999277
0.002619	0.069354474	211.8616	0.032922	0.160157	0.205561	0.837134	0.999277

0.369751	0.784800637	19.96478	0.161714	0.205355	0.787486	0.430998	0.999277
0.904314	0.982337683	167.3058	0.299641	0.208353	1.438142	0.150394	0.982122
0.551942	0.880406845	180.4781	0.247165	0.166618	1.48342	0.137963	0.963238
0.59745	0.897840318	135.2873	0.357474	0.186196	1.919882	0.054873	0.729914
0.008985	0.144251328	15.56653	0.03707	0.206441	0.179568	0.857492	0.999277
0.959193	0.993223953	11.64792	0.296456	0.192088	1.543331	0.12275	0.934442
0.142416	0.571875272	8.890045	0.082085	0.18093	0.453685	0.650055	0.999277
0.189667	0.637323952	188.236	0.195104	0.160272	1.217336	0.223477	0.999277
0.800425	0.956574326	191.6147	0.314203	0.161724	1.94284	0.052035	0.718885
0.132625	0.555040519	10.31474	0.437619	0.191259	2.288102	0.022132	0.531874
0.757212	0.945084702	24.07076	0.26168	0.215614	1.213655	0.22488	0.999277
0.458616	0.832244861	9.060524	0.181171	0.169376	1.069642	0.28478	0.999277
0.190833	0.63818851	14.82366	0.168689	0.188694	0.893978	0.371334	0.999277
0.184204	0.631890551	283.6913	0.168682	0.152586	1.105491	0.268947	0.999277
0.928924	0.985704596	295.1153	0.296375	0.151434	1.957129	0.050332	0.705752
0.369894	0.784800637	59.37441	0.209113	0.207662	1.006986	0.313942	0.999277
0.341327	0.763927027	11.59912	0.149424	0.177358	0.842495	0.399511	0.999277
0.269117	0.711911233	45.75288	0.177605	0.214317	0.828702	0.407273	0.999277
0.074212	0.433062809	124.4542	0.180478	0.185894	0.970867	0.331614	0.999277
0.056758	0.384967357	25.47512	0.129229	0.216057	0.598125	0.549756	0.999277
0.026278	0.258836053	71.922	-0.01543	0.203137	-0.07594	0.939466	0.999277
0.396394	0.797240884	25.42621	0.165979	0.213956	0.77576	0.437891	0.999277
0.24249	0.689768035	29.69513	0.163307	0.214135	0.762638	0.445679	0.999277
0.681291	0.929551958	80.69538	0.228014	0.20305	1.122947	0.26146	0.999277
0.920561	0.985704596	60.95865	0.274777	0.2122	1.294896	0.195356	0.999277
0.040237	0.325504098	32.42548	0.086238	0.216801	0.397777	0.690794	0.999277
0.063286	0.404949474	56.87811	0.152908	0.211363	0.723441	0.469409	0.999277
0.424332	0.813996405	114.4096	0.179002	0.188725	0.948478	0.342886	0.999277
0.024427	0.249486288	25.67391	-0.0397	0.210514	-0.1886	0.850405	0.999277
0.025345	0.254537379	239.2786	0.005448	0.156623	0.034782	0.972254	0.999277
0.023463	0.244449278	1163.703	0.024696	0.120719	0.204571	0.837907	0.999277
0.343333	0.765527629	16.62014	0.149296	0.198243	0.753092	0.451394	0.999277
0.40154	0.799749836	11.72232	0.185378	0.198627	0.933297	0.350667	0.999277
0.19111	0.638322013	46.97451	0.160621	0.212462	0.755995	0.449652	0.999277
0.021484	0.233093879	196.7266	0.057191	0.171294	0.333876	0.738473	0.999277
0.012071	0.1703885	46.21439	-0.01736	0.214401	-0.08099	0.93545	0.999277
0.043876	0.337833053	133.9775	0.101819	0.183532	0.554775	0.579048	0.999277
0.076505	0.439093051	322.111	0.127843	0.165476	0.772578	0.439772	0.999277
0.680841	0.929221838	189.5532	0.248068	0.159862	1.551758	0.12072	0.929931
0.534571	0.872130388	20.48441	0.208991	0.213553	0.978638	0.327759	0.999277
0.973497	0.995861805	12.53765	0.278203	0.190143	1.463125	0.143433	0.976872
0.030434	0.279438008	2492.991	0.087474	0.101486	0.861932	0.388725	0.999277
0.953145	0.992357094	9.13492	0.291328	0.168457	1.729385	0.08374	0.838795
0.219078	0.669212189	45.41426	0.157843	0.214408	0.736183	0.461619	0.999277
0.542071	0.875015043	109.3177	0.365508	0.191808	1.905595	0.056703	0.740613
0.387841	0.793552228	89.86304	0.366417	0.203915	1.796911	0.07235	0.804529
0.654001	0.919900598	280.6138	0.31222	0.157759	1.97909	0.047806	0.692543
0.790637	0.954486972	30.34708	0.255707	0.216947	1.178663	0.238532	0.999277
0.011442	0.165710091	11.18761	-0.04189	0.190745	-0.21959	0.826193	0.999277
0.50668	0.858732327	147.773	0.227448	0.184325	1.233954	0.21722	0.999277
0.318292	0.7500298	35.5128	0.207694	0.216059	0.961284	0.336409	0.999277
0.300846	0.739126568	50.32113	0.175971	0.215565	0.816324	0.414315	0.999277

0.223497	0.673576895	150.34	0.418098	0.181644	2.301747	0.021349	0.522009
0.482118	0.846450746	81.45503	0.215995	0.200395	1.077844	0.281103	0.999277
0.000698	0.029514274	28.28317	-0.07964	0.21694	-0.36712	0.713526	0.999277
0.869091	0.974861224	9.840895	0.303255	0.187043	1.621311	0.104951	0.902508
0.97143	0.99553873	38.03507	0.284358	0.215817	1.317589	0.187641	0.999277
0.007527	0.131356289	196.6464	0.065423	0.168498	0.388272	0.697815	0.999277
0.807015	0.958353056	37.37072	0.252756	0.215244	1.174276	0.240284	0.999277
0.681515	0.929694584	30.75174	0.33922	0.210548	1.611124	0.107153	0.906031
0.795871	0.95546283	28.27121	0.24378	0.212766	1.145766	0.251892	0.999277
0.342016	0.764757824	27.707	0.161919	0.216273	0.74868	0.45405	0.999277
0.001232	0.041790739	69.95026	-0.07183	0.203393	-0.35315	0.723973	0.999277
0.021556	0.2336855	165.5557	0.106056	0.16911	0.62714	0.530568	0.999277
0.091904	0.476155903	185.4027	0.116578	0.182481	0.638852	0.522919	0.999277
0.38052	0.790279608	407.4302	0.204843	0.138244	1.481743	0.138409	0.963238
0.199587	0.64680299	42.38007	0.150912	0.21534	0.700807	0.483424	0.999277
0.215225	0.666260465	55.0106	0.099789	0.209048	0.47735	0.633113	0.999277
0.885741	0.977748426	59.36822	0.258045	0.211048	1.222688	0.221448	0.999277
0.529276	0.86938189	22.895	0.223887	0.215085	1.040926	0.29791	0.999277
0.047463	0.350714074	11.393	0.100829	0.186847	0.539637	0.589447	0.999277
0.036591	0.309564578	31.03052	-0.00213	0.216955	-0.00982	0.992161	0.999277
0.587557	0.894310786	16.10143	0.207671	0.196839	1.055029	0.291412	0.999277
0.001882	0.054575834	82.59752	0.059189	0.200616	0.295038	0.767965	0.999277
0.008038	0.136870483	19.70702	-0.10664	0.209625	-0.50874	0.610933	0.999277
0.801869	0.956760489	325.6124	0.299347	0.167249	1.789825	0.073482	0.805627
0.926513	0.985704596	166.0309	0.270517	0.172467	1.568514	0.116761	0.929931
0.649518	0.918644615	29.07517	0.22026	0.216184	1.018855	0.308272	0.999277
0.521015	0.865896853	243.3386	0.337575	0.165352	2.041556	0.041196	0.672512
0.265879	0.709023436	35.10435	0.14533	0.216651	0.670803	0.502346	0.999277
0.63658	0.912524658	279.3284	0.328432	0.157702	2.082608	0.037287	0.654053
0.749502	0.942352049	88.13358	0.314055	0.21557	1.456856	0.145156	0.977082
0.205233	0.653022736	63.52157	0.140721	0.210557	0.668328	0.503924	0.999277
0.217046	0.667876517	83.19472	0.101549	0.197897	0.513141	0.607853	0.999277
0.065453	0.411922309	17.67075	0.077221	0.209697	0.368252	0.712685	0.999277
0.016971	0.203527919	12.0595	0.051288	0.196577	0.260902	0.794168	0.999277
0.991062	0.998538548	193.0557	0.275984	0.173769	1.588225	0.112235	0.922377
0.551831	0.880334166	29.24055	0.232336	0.216771	1.071804	0.283808	0.999277
0.688123	0.931362749	45.31344	0.231975	0.212111	1.093646	0.27411	0.999277
0.729023	0.938791295	246.8182	0.308378	0.19649	1.569433	0.116547	0.929931
0.527649	0.868926879	53.70519	0.228892	0.21159	1.081769	0.279355	0.999277
0.079197	0.445187123	24.7268	0.113466	0.214042	0.530111	0.596035	0.999277
0.365561	0.782457971	167.4091	0.154751	0.175656	0.880989	0.378324	0.999277
0.929202	0.98582665	116.3744	0.263889	0.194083	1.359671	0.173934	0.999277
0.103665	0.500588036	110.1368	0.158172	0.189501	0.834679	0.403898	0.999277
0.184064	0.631890551	60.45072	0.426613	0.206447	2.06646	0.038785	0.661945
0.802459	0.9570317	63.34626	0.236822	0.204404	1.1586	0.246619	0.999277
0.260487	0.704211455	436.4782	0.135025	0.149118	0.905491	0.365205	0.999277
0.180237	0.624638633	99.94472	0.183309	0.189223	0.968746	0.332672	0.999277
0.449403	0.825288156	354.3626	0.215465	0.149503	1.441205	0.149527	0.981396
0.936683	0.986885744	22.14167	0.265684	0.214028	1.241349	0.214477	0.999277
0.653205	0.919811662	48.04317	0.207414	0.213925	0.969562	0.332265	0.999277
0.697887	0.93369059	30.26422	0.31616	0.212061	1.490897	0.135988	0.961317
0.576486	0.890535872	19.04829	0.346736	0.211407	1.640133	0.100977	0.899753

0.407612	0.802350555	35.03887	0.180093	0.216828	0.830577	0.406213	0.999277
0.830765	0.963218067	118.765	0.290119	0.178012	1.629776	0.103149	0.899753
0.000683	0.029067334	23.20881	-0.15352	0.214074	-0.71712	0.4733	0.999277
0.247322	0.695372431	233.953	0.178776	0.156752	1.140501	0.254078	0.999277
0.826644	0.962521459	15.85745	0.304109	0.205192	1.482072	0.138321	0.963238
0.000521	0.024268502	272.3098	-0.09145	0.149724	-0.61076	0.541358	0.999277
0.059236	0.392678821	16.25259	0.029179	0.208593	0.139883	0.888752	0.999277
0.455803	0.829671446	13.8199	0.163167	0.19234	0.848324	0.396258	0.999277
0.162138	0.601189469	111.4653	0.123836	0.1881	0.658353	0.510311	0.999277
0.043577	0.337289292	59.40563	0.098607	0.20842	0.473117	0.63613	0.999277
0.450611	0.826357738	233.417	0.318445	0.160124	1.988747	0.046729	0.690038
0.004036	0.091739612	16.61973	-0.1062	0.208927	-0.50833	0.611222	0.999277
0.457968	0.831747418	12.13232	0.169406	0.197909	0.855982	0.392008	0.999277
0.326629	0.754362047	93.52043	0.172075	0.193505	0.889252	0.373868	0.999277
0.013328	0.18032234	11.83655	-0.02139	0.197693	-0.10821	0.913829	0.999277
2.06E-05	0.002495275	75.32984	-0.20269	0.199585	-1.01558	0.30983	0.999277
0.036831	0.31139958	109.7907	0.083618	0.188023	0.444724	0.656519	0.999277
0.01096	0.162423591	46.26364	0.020703	0.212896	0.097243	0.922534	0.999277
0.808579	0.958353056	22.94473	0.24451	0.214634	1.139198	0.254621	0.999277
0.56026	0.88393878	18.23805	0.214078	0.211847	1.010532	0.312241	0.999277
0.942694	0.988829207	38.7904	0.277876	0.21693	1.280946	0.200212	0.999277
0.608932	0.903795926	20903.47	0.335305	0.202895	1.652604	0.098411	0.895353
0.608932	0.903795926	20903.33	0.335304	0.202895	1.652596	0.098413	0.895353
0.608932	0.903795926	20903.18	0.335303	0.202896	1.652589	0.098415	0.895353
0.889553	0.978618144	41.52862	0.288896	0.215747	1.339052	0.180554	0.999277
0.224	0.67387367	14.20072	0.109436	0.204415	0.535363	0.592399	0.999277
0.867752	0.974472542	197.4515	0.251036	0.172291	1.457042	0.145105	0.977082
0.902608	0.981785171	117.331	0.253909	0.204913	1.239108	0.215306	0.999277
0.017124	0.203674902	1695.91	-0.03391	0.116152	-0.29196	0.770314	0.999277
0.04115	0.32976753	106.319	0.018572	0.195592	0.09495	0.924354	0.999277
0.052354	0.370860314	88.8712	0.07776	0.193811	0.401215	0.688262	0.999277
0.69288	0.932282511	95.74232	0.299891	0.19717	1.520981	0.128265	0.951183
0.992406	0.998538548	13.24495	0.267428	0.18396	1.453727	0.146022	0.977082
0.065968	0.413509306	18.8775	0.008974	0.210948	0.042543	0.966066	0.999277
0.0562	0.3832791	329.163	0.078932	0.15548	0.507663	0.61169	0.999277
0.111773	0.516979114	62.7608	0.108831	0.209739	0.51889	0.603837	0.999277
0.145035	0.57494377	645.0545	0.131045	0.139483	0.939506	0.347471	0.999277
0.362823	0.780559211	99.79537	0.341398	0.198472	1.720132	0.085408	0.84456
0.315051	0.747985414	1276.12	0.171802	0.105319	1.631256	0.102836	0.899753
0.640219	0.914197622	309.126	0.235682	0.147396	1.59897	0.109827	0.915086
0.936983	0.986970451	141.6204	0.263073	0.179214	1.467925	0.142124	0.974659
0.039459	0.322088764	29.98442	0.018976	0.216993	0.08745	0.930314	0.999277
0.100261	0.49325941	13.26329	0.086295	0.202503	0.426142	0.670004	0.999277
0.003453	0.082559903	349.6836	-0.01295	0.138465	-0.09355	0.925468	0.999277
0.645091	0.915384935	31.76106	0.318484	0.216963	1.467921	0.142126	0.974659
0.247285	0.695372431	93.62124	0.173851	0.191533	0.907678	0.364048	0.999277
0.195418	0.641175643	198.44	0.124872	0.166443	0.75024	0.45311	0.999277
0.657471	0.921426159	16.28872	0.330413	0.202054	1.635268	0.101993	0.899753
0.027218	0.263586645	11.92014	-0.04637	0.195448	-0.23723	0.812477	0.999277
0.305115	0.741136509	19.89014	0.117789	0.210135	0.560542	0.57511	0.999277
0.698574	0.93369059	23.96863	0.225793	0.215574	1.047403	0.294914	0.999277
0.000917	0.035241138	71.63288	0.032861	0.201004	0.163484	0.870137	0.999277

0.522191	0.866666228	10.14605	0.173666	0.179613	0.966892	0.333598	0.999277
0.000111	0.008677117	18.4975	-0.08587	0.211388	-0.40622	0.684583	0.999277
0.136211	0.562678996	41.73023	0.109133	0.214565	0.508626	0.611014	0.999277
0.52054	0.865430375	30.34305	0.353689	0.216932	1.630414	0.103014	0.899753
0.342678	0.765527629	26.70404	0.189236	0.212887	0.888905	0.374054	0.999277
0.483435	0.847747853	54.18926	0.348352	0.216976	1.605486	0.108387	0.909828
0.579923	0.892778779	26.22426	0.322912	0.21536	1.499404	0.133769	0.96056
0.348874	0.770810311	130.4913	0.149169	0.187755	0.79449	0.42691	0.999277
0.000999	0.036594267	134.4211	-0.07884	0.177737	-0.44355	0.657366	0.999277
7.84E-09	6.99E-06	74.26558	-0.15524	0.206713	-0.75098	0.452664	0.999277
0.121383	0.534218212	116.3394	0.136109	0.189758	0.71728	0.473202	0.999277
0.454016	0.828567096	32.26015	0.197329	0.21701	0.90931	0.363187	0.999277
0.285969	0.726582163	18.20899	0.118676	0.210727	0.563175	0.573315	0.999277
0.119172	0.530106173	9.009553	0.05097	0.189031	0.269636	0.78744	0.999277
0.595125	0.896659304	27.6346	0.201596	0.215958	0.933493	0.350565	0.999277
0.610867	0.904473039	54.88881	0.216514	0.213387	1.014656	0.31027	0.999277
0.23055	0.680589817	513.6895	0.387145	0.140733	2.750913	0.005943	0.338399
0.036123	0.306769911	32.41419	0.098633	0.216861	0.454822	0.649237	0.999277
0.596641	0.897840318	243.0995	0.201117	0.155193	1.295916	0.195004	0.999277
0.940642	0.988134075	50.61532	0.258675	0.215847	1.198419	0.230754	0.999277
0.945859	0.989708344	1271.046	0.272591	0.113948	2.392253	0.016745	0.476156
0.290927	0.730514779	370.1256	0.324327	0.137561	2.357702	0.018388	0.486294
0.067334	0.416747554	12.15053	0.009873	0.195963	0.05038	0.95982	0.999277
0.402831	0.799980829	477.3673	0.151366	0.138012	1.096756	0.272748	0.999277
0.069262	0.421786109	147.755	-0.00181	0.199964	-0.00905	0.992777	0.999277
0.356728	0.77522156	29.18251	0.148037	0.216795	0.682845	0.494705	0.999277
0.122592	0.535500153	32.53384	0.10261	0.216873	0.473132	0.636119	0.999277
0.040117	0.32519701	18.88795	0.063227	0.21023	0.300753	0.763603	0.999277
0.124574	0.539415418	74.18474	0.091604	0.2107	0.434761	0.663736	0.999277
0.422789	0.812942386	51.45553	0.208706	0.215718	0.967495	0.333297	0.999277
0.445062	0.823581052	151.417	0.326826	0.182087	1.794882	0.072673	0.804529
0.649499	0.918644615	30.77398	0.203538	0.217011	0.937915	0.348288	0.999277
0.177056	0.619698727	30.02532	0.112412	0.216915	0.51823	0.604298	0.999277
0.06523	0.41179587	272.7073	0.121584	0.148031	0.821344	0.41145	0.999277
0.004128	0.092734767	17.79543	-0.03541	0.21037	-0.1683	0.866346	0.999277
0.267619	0.710903914	46.97134	0.153937	0.212565	0.724186	0.468952	0.999277
0.513878	0.862500672	19.1646	0.353744	0.191737	1.844937	0.065047	0.780408
0.466911	0.837742044	107.7768	0.198942	0.189697	1.048734	0.294301	0.999277
0.496488	0.853814273	494.2645	0.193146	0.13151	1.468684	0.141918	0.974659
0.49349	0.852884847	85.4463	0.340779	0.18399	1.852158	0.064003	0.774966
0.005432	0.109745734	94.57372	-0.01704	0.197955	-0.08609	0.931394	0.999277
0.471417	0.840863725	28.12966	0.176289	0.216472	0.814372	0.415432	0.999277
0.688526	0.931407252	1065.838	0.313057	0.10632	2.94449	0.003235	0.24783
0.231923	0.681654393	21.97508	0.130956	0.214948	0.609244	0.542363	0.999277
0.544815	0.875466782	67.08564	0.183323	0.208722	0.878309	0.379776	0.999277
0.226905	0.676326333	75.86044	0.106437	0.205205	0.518686	0.603979	0.999277
0.045094	0.342308082	1541.854	0.055104	0.104789	0.525858	0.598987	0.999277
0.693426	0.93240872	30.51632	0.316063	0.211301	1.4958	0.134706	0.961274
0.169495	0.610190849	31.72574	0.128877	0.217018	0.593853	0.55261	0.999277
0.623101	0.907988155	2975.807	0.311063	0.2141	1.45289	0.146254	0.977082
0.027969	0.268001997	124.8721	0.039555	0.182595	0.216625	0.8285	0.999277
0.039382	0.321967516	47.93749	0.029677	0.214263	0.138507	0.889839	0.999277

0.089411	0.47127861	11.8509	0.124249	0.190994	0.650537	0.515345	0.999277
0.263814	0.706972283	11.27944	0.098474	0.1929	0.510491	0.609708	0.999277
0.714988	0.935646775	154.2364	0.284293	0.174187	1.632112	0.102656	0.899753
0.930136	0.985895693	342.7742	0.269874	0.152742	1.766865	0.077251	0.819234
0.803509	0.957178987	43.3389	0.290908	0.216931	1.341018	0.179915	0.999277
0.380379	0.790279608	80.74484	0.131617	0.211288	0.622928	0.533332	0.999277
0.83395	0.964463864	165.5094	0.279563	0.16745	1.669533	0.095012	0.885726
0.542133	0.875015043	52.67217	0.192212	0.212109	0.906194	0.364833	0.999277
0.001731	0.051761878	19.10344	-0.11689	0.20978	-0.55718	0.577402	0.999277
0.377459	0.788723282	200.0638	0.331375	0.170101	1.948108	0.051402	0.713793
0.487898	0.850257924	176.7205	0.178936	0.16498	1.084591	0.278103	0.999277
0.162826	0.601739011	55.86132	0.378758	0.210035	1.803308	0.07134	0.804293
0.061122	0.397916607	11.20534	0.016616	0.193032	0.086081	0.931402	0.999277
0.839904	0.966267225	12.18263	0.280357	0.200028	1.401588	0.161038	0.999277
0.830971	0.963364137	105.0317	0.227432	0.203094	1.119835	0.262784	0.999277
0.490318	0.851511049	151.5721	0.192568	0.171098	1.125484	0.260384	0.999277
0.156596	0.595337949	45.61416	0.452923	0.212672	2.129675	0.033198	0.632021
0.65765	0.921426159	96.6345	0.215188	0.193736	1.11073	0.266685	0.999277
0.000732	0.030403978	75.8163	-0.05166	0.204533	-0.25259	0.800587	0.999277
0.482272	0.846450746	30.87769	0.178964	0.216785	0.825538	0.409066	0.999277
0.203048	0.650453833	935.2227	0.135168	0.109816	1.230862	0.218375	0.999277
0.793591	0.955328559	83.4756	0.23771	0.204324	1.163398	0.244668	0.999277
0.060615	0.396827752	811.004	0.044072	0.116318	0.378893	0.704767	0.999277
0.808203	0.958353056	108.8645	0.230541	0.184363	1.250471	0.211128	0.999277
0.496164	0.853814273	52.61105	0.172188	0.209197	0.82309	0.410457	0.999277
0.359611	0.777189198	41.37607	0.155046	0.214374	0.723251	0.469526	0.999277
0.028278	0.269609157	34.19784	0.003276	0.216312	0.015143	0.987918	0.999277
0.382494	0.790738618	16.79612	0.156519	0.207817	0.753158	0.451355	0.999277
0.217283	0.667997063	40.94835	0.153878	0.215876	0.712808	0.475965	0.999277
0.503453	0.856224864	27.74408	0.185225	0.216968	0.853699	0.393272	0.999277
0.001042	0.037649031	51.5586	-0.08196	0.21108	-0.38827	0.697814	0.999277
0.551723	0.880267949	82.50338	0.218148	0.194268	1.122924	0.26147	0.999277
0.691493	0.93167865	71.75575	0.226255	0.200845	1.126518	0.259946	0.999277
0.186976	0.633811684	26.64164	0.10662	0.216833	0.491712	0.622923	0.999277
0.718505	0.935996695	17.8375	0.214492	0.208864	1.026946	0.304446	0.999277
0.066561	0.414415546	73.70475	0.0932	0.202809	0.459547	0.645842	0.999277
0.409189	0.803007486	119.0654	0.330202	0.194293	1.699505	0.089224	0.851686
0.665159	0.925057641	59.11773	0.206565	0.211689	0.975791	0.329168	0.999277
0.801597	0.95675967	48.96304	0.224363	0.213525	1.050758	0.29337	0.999277
0.224719	0.674863013	115.6498	0.145346	0.181279	0.801778	0.422681	0.999277
0.041253	0.329909801	39.95237	0.018116	0.215851	0.083927	0.933115	0.999277
0.259942	0.704211455	201.2104	0.147924	0.16526	0.895096	0.370736	0.999277
0.016977	0.203527919	71.46098	-0.01496	0.203202	-0.07363	0.941301	0.999277
0.90526	0.982337683	61.41049	0.264049	0.209686	1.25926	0.207936	0.999277
0.775352	0.950136239	98.61721	0.280114	0.20804	1.346443	0.17816	0.999277
0.000295	0.016694676	216.7382	-0.00557	0.171441	-0.03247	0.974099	0.999277
0.781731	0.951692757	28.6111	0.223257	0.215469	1.036141	0.300136	0.999277
0.879936	0.97662978	53.84932	0.268795	0.208368	1.289998	0.197051	0.999277
0.003299	0.08062079	81.45249	0.039794	0.195611	0.203432	0.838797	0.999277
0.531581	0.870719093	98.06261	0.316058	0.192609	1.64093	0.100812	0.899753
0.159667	0.597812924	52.26431	0.088719	0.21216	0.418169	0.675824	0.999277
0.236831	0.685759421	381.3783	0.336943	0.137894	2.443484	0.014546	0.45844

0.086145	0.462935946	19.94857	0.052433	0.212399	0.24686	0.805016	0.999277
0.570354	0.888935841	19.43739	0.17395	0.212423	0.818886	0.412852	0.999277
0.422627	0.812942386	235.3819	0.169545	0.156541	1.083075	0.278775	0.999277
0.000179	0.0120789	23.3613	-0.06154	0.215791	-0.28519	0.775501	0.999277
0.889504	0.978618144	217.8656	0.240308	0.194741	1.233991	0.217206	0.999277
0.917448	0.98454795	39.00899	0.242555	0.216835	1.118615	0.263304	0.999277
0.000206	0.012989456	27.77711	-0.17411	0.216975	-0.80244	0.422297	0.999277
0.739631	0.940232174	108.4059	0.28438	0.183832	1.546952	0.121875	0.93145
0.875409	0.975929662	31.17568	0.274938	0.208849	1.316444	0.188025	0.999277
0.407808	0.802350555	39.8405	0.374139	0.215484	1.736274	0.082515	0.83449
0.618338	0.907334933	67.59159	0.214949	0.207021	1.038297	0.299132	0.999277
0.614471	0.905840947	25.44545	0.29886	0.215385	1.387562	0.165271	0.999277
0.97162	0.99553873	9.894103	0.258184	0.172042	1.5007	0.133433	0.960005
0.837957	0.965547986	28.2557	0.231028	0.21666	1.066316	0.286281	0.999277
0.137302	0.56436689	82.4459	0.094449	0.200635	0.470748	0.637821	0.999277
0.534754	0.872130388	63.79672	0.177116	0.21104	0.839256	0.401325	0.999277
0.572517	0.88993891	115.5365	0.196418	0.187212	1.049174	0.294098	0.999277
0.003061	0.07634132	25.97707	0.012492	0.215977	0.057837	0.953878	0.999277
0.011779	0.168580738	135.0195	0.020545	0.179908	0.114195	0.909083	0.999277
0.857757	0.971994044	26.24495	0.276774	0.216516	1.278303	0.201143	0.999277
0.140666	0.570994748	8.808958	0.038565	0.166818	0.231179	0.817176	0.999277
0.745268	0.941321938	25.79129	0.208719	0.216419	0.964423	0.334834	0.999277
0.367398	0.783695365	12.13504	0.12575	0.194941	0.645065	0.518885	0.999277
0.265139	0.708435983	20.47267	0.095836	0.198208	0.483514	0.628731	0.999277
0.171835	0.61374382	119.6249	0.380994	0.191271	1.99191	0.046381	0.689909
0.042681	0.333442353	77.97101	0.093044	0.198428	0.468907	0.639136	0.999277
0.121685	0.53435066	40.20659	0.060968	0.215576	0.282813	0.77732	0.999277
0.001365	0.044186789	679.1309	-0.01614	0.120065	-0.13444	0.893056	0.999277
0.083922	0.457313245	17.0617	0.007619	0.200391	0.038019	0.969672	0.999277
2.49E-05	0.002868919	265.9815	-0.04332	0.146927	-0.29487	0.768094	0.999277
0.116926	0.526066407	179.8496	0.101551	0.173479	0.58538	0.558292	0.999277
0.044458	0.339973384	60.8529	-0.0096	0.206702	-0.04645	0.962955	0.999277
0.553667	0.881128175	18.94111	0.188102	0.206839	0.909413	0.363132	0.999277
0.302912	0.739758551	88.89025	0.156302	0.203515	0.768013	0.442479	0.999277
0.175017	0.617685473	19.95292	0.067479	0.181211	0.37238	0.70961	0.999277
0.309061	0.743522207	327.402	0.148479	0.144341	1.02867	0.303635	0.999277
0.163654	0.602799383	234.4474	0.153976	0.158699	0.970241	0.331926	0.999277
0.458964	0.832244861	180.8406	0.191838	0.194313	0.987263	0.323514	0.999277
0.206921	0.654345166	497.6005	0.13873	0.145431	0.953923	0.340123	0.999277
0.700323	0.933973999	37.95165	0.2016	0.216153	0.932673	0.350989	0.999277
0.395928	0.797139123	67.78566	0.317743	0.203488	1.561482	0.11841	0.929931
0.034847	0.302464388	11.19481	-0.00712	0.193832	-0.03671	0.970715	0.999277
0.290009	0.729771605	17.52959	0.099406	0.210909	0.471321	0.637411	0.999277
0.256686	0.702235305	97.99277	0.135689	0.21166	0.641071	0.521477	0.999277
0.823743	0.961825561	22.01072	0.223202	0.206777	1.079435	0.280394	0.999277
0.002112	0.059063693	147.1947	-0.09872	0.171108	-0.57695	0.563975	0.999277
0.574601	0.890535872	26.45444	0.194721	0.215017	0.905607	0.365144	0.999277
0.992217	0.998538548	26.89034	0.248089	0.215529	1.15107	0.249704	0.999277
0.128361	0.547436547	68.79018	0.096668	0.206812	0.46742	0.640199	0.999277
0.416272	0.808586329	21.36784	0.333484	0.211055	1.580078	0.114089	0.92985
0.220643	0.671412196	30.67187	0.106341	0.216997	0.490056	0.624094	0.999277
0.458739	0.832244861	34.28008	0.183272	0.216573	0.846235	0.397422	0.999277

0.017214	0.204196309	159.0887	0.055192	0.173635	0.317859	0.750592	0.999277
0.52463	0.867773724	109.5717	0.188483	0.183365	1.027912	0.303991	0.999277
0.993331	0.998538548	21.48197	0.249122	0.21414	1.163363	0.244682	0.999277
0.257925	0.702821884	12.88117	0.135013	0.197941	0.682089	0.495182	0.999277
0.984864	0.997439038	183.7169	0.24921	0.167475	1.488046	0.136739	0.961317
0.003846	0.089418718	81.18996	-0.14064	0.201555	-0.6978	0.485305	0.999277
0.465873	0.836780148	147.0265	0.347133	0.179738	1.931324	0.053443	0.722621
0.692577	0.932146066	35.4374	0.283243	0.216098	1.310713	0.189955	0.999277
0.138282	0.566241658	40.51216	0.106226	0.214112	0.49612	0.619809	0.999277
0.166281	0.605328888	224.5885	0.117773	0.153165	0.768928	0.441936	0.999277
0.485813	0.848649042	49.19875	0.322693	0.21549	1.497486	0.134267	0.96056
0.213243	0.662733096	11.33934	0.427969	0.177357	2.413039	0.01582	0.465067
0.097946	0.48888938	48.0093	0.4271	0.216041	1.976936	0.048049	0.692543
0.103834	0.500701433	469.4901	0.070689	0.144805	0.488171	0.625429	0.999277
0.851934	0.969800108	195.2329	0.23044	0.192067	1.199793	0.23022	0.999277
0.867829	0.974472542	14.84626	0.222371	0.189653	1.172514	0.240991	0.999277
0.041568	0.330996125	102.7674	-0.02157	0.18627	-0.11581	0.907799	0.999277
0.928621	0.985704596	327.5711	0.239413	0.160496	1.491706	0.135776	0.961317
0.069926	0.423461594	20.75869	0.038828	0.212419	0.182791	0.854962	0.999277
0.157923	0.596653429	26.43403	0.104476	0.216805	0.481889	0.629885	0.999277
0.513943	0.862500672	126.4826	0.185071	0.18889	0.979778	0.327196	0.999277
0.66718	0.925067398	69.16233	0.30694	0.209534	1.464869	0.142957	0.976872
0.062525	0.40316769	166.4857	0.118893	0.167926	0.708009	0.47894	0.999277
0.505223	0.857564719	43.91836	0.308711	0.213185	1.448091	0.147591	0.979095
0.102185	0.498500247	65.52087	0.460559	0.207727	2.217133	0.026614	0.57368
0.407703	0.802350555	11.62094	0.124651	0.187742	0.663951	0.506722	0.999277
0.570456	0.888935841	76.01803	0.17369	0.199524	0.870522	0.384015	0.999277
0.99917	0.999408057	75.26744	0.244943	0.208228	1.176319	0.239467	0.999277
0.956351	0.992867693	41.13178	0.252339	0.2165	1.165535	0.243802	0.999277
0.283992	0.725004462	119.3204	0.161995	0.186093	0.870508	0.384023	0.999277
0.506864	0.858749908	66.75878	0.334441	0.213689	1.565086	0.117563	0.929931
0.000959	0.035993171	336.0738	0.425133	0.1465	2.901929	0.003709	0.267897
0.303197	0.739758551	11.31478	0.097639	0.17793	0.54875	0.583177	0.999277
0.692016	0.93199138	84.61879	0.205223	0.202228	1.014813	0.310195	0.999277
0.445488	0.823970197	12.01863	0.135139	0.196218	0.688719	0.491	0.999277
0.092896	0.47785484	21.18907	-0.00138	0.214822	-0.00644	0.994863	0.999277
0.462871	0.83497984	101.1695	0.183351	0.197337	0.929123	0.352826	0.999277
0.562831	0.885085584	28.20977	0.171781	0.215107	0.798583	0.424532	0.999277
0.18653	0.632742223	63.54861	0.148692	0.208852	0.711948	0.476497	0.999277
0.129586	0.549048329	24.22683	0.091037	0.215972	0.421522	0.673374	0.999277
0.804037	0.957461615	78.63912	0.262284	0.207793	1.262236	0.206864	0.999277
0.159811	0.598037461	14.08787	0.048747	0.195176	0.249758	0.802775	0.999277
0.16251	0.601189469	196.4509	0.101202	0.173134	0.584527	0.558866	0.999277
0.912172	0.983953937	80.73755	0.23151	0.208093	1.112531	0.26591	0.999277
0.530203	0.869704317	214.4694	0.190784	0.166557	1.145458	0.252019	0.999277
0.008212	0.138244522	92.52304	-0.01606	0.212829	-0.07548	0.939832	0.999277
0.158076	0.596830002	33.06951	0.096309	0.216942	0.443941	0.657085	0.999277
0.001067	0.038329452	83.28752	-0.01032	0.195201	-0.05289	0.957819	0.999277
0.021256	0.231562844	18.69016	-0.08616	0.210449	-0.40942	0.682231	0.999277
0.431244	0.816304844	23.93399	0.138738	0.215481	0.643854	0.51967	0.999277
0.86352	0.9735332	173.2816	0.258089	0.167402	1.541731	0.123139	0.935456
0.803394	0.957127223	15.08206	0.264681	0.204963	1.291362	0.196578	0.999277

0.063441	0.405273619	24.86066	0.003001	0.213782	0.014036	0.988801	0.999277
0.443937	0.823152216	151.1505	0.133383	0.170512	0.782249	0.434068	0.999277
0.858665	0.972363388	554.7671	0.222997	0.164641	1.35444	0.175596	0.999277
0.324987	0.754224459	259.5621	0.154077	0.151241	1.018748	0.308323	0.999277
0.250671	0.697484296	50.65803	0.351086	0.210515	1.667749	0.095366	0.887061
0.925111	0.985704596	15.80525	0.253607	0.192469	1.317649	0.187621	0.999277
0.157267	0.596363519	114.41	0.154548	0.189142	0.8171	0.413871	0.999277
0.486158	0.849055491	14.52619	0.171744	0.201577	0.852004	0.394212	0.999277
0.928135	0.985704596	22.2635	0.231136	0.214701	1.076544	0.281684	0.999277
0.172125	0.613849437	39.34969	0.095484	0.21611	0.441828	0.658614	0.999277
6.11E-05	0.005634184	29.38894	-0.20564	0.216937	-0.94794	0.343159	0.999277
0.019158	0.218112422	140.2898	-0.00528	0.180064	-0.02933	0.976605	0.999277
0.249197	0.696015371	33.34203	0.088642	0.216972	0.40854	0.682877	0.999277
0.56999	0.888935841	37.24868	0.180074	0.216729	0.83087	0.406047	0.999277
0.728027	0.938587002	25.77473	0.205082	0.212557	0.964833	0.334628	0.999277
0.666937	0.925067398	24.89011	0.179352	0.216108	0.829918	0.406585	0.999277
0.64385	0.914980232	253.8926	0.291454	0.155054	1.879694	0.06015	0.758835
0.042038	0.332540301	12.91726	-0.01641	0.202889	-0.08088	0.935534	0.999277
0.596249	0.897528656	98.3209	0.28827	0.200468	1.437988	0.150437	0.982122
0.173292	0.615485608	126.0457	0.042485	0.178789	0.237627	0.81217	0.999277
0.088139	0.4678951	947.9685	0.43374	0.124931	3.471843	0.000517	0.074251
0.950662	0.991534014	71.4442	0.245237	0.202951	1.208353	0.226912	0.999277
0.982494	0.997409543	18.84589	0.241168	0.211722	1.139074	0.254672	0.999277
0.412864	0.806598515	64.81887	0.141991	0.204083	0.695749	0.486586	0.999277
0.975875	0.996295705	9.350647	0.242774	0.170594	1.423106	0.154706	0.990194
0.653887	0.919859143	212.3277	0.19396	0.159464	1.216323	0.223862	0.999277
0.454839	0.829445742	48.40062	0.339765	0.213679	1.590073	0.111818	0.921444
0.000943	0.035987045	48.46573	-0.03477	0.213307	-0.16301	0.870508	0.999277
0.170905	0.612136288	209.8449	0.059139	0.164799	0.358857	0.719702	0.999277
0.097148	0.4870882	9.447426	-0.00372	0.18095	-0.02058	0.983579	0.999277
0.357538	0.77605563	92.23783	0.153826	0.204865	0.750865	0.452734	0.999277
0.853593	0.970089018	41.34803	0.218739	0.215532	1.014876	0.310165	0.999277
0.299251	0.737986555	67.51167	0.144867	0.20632	0.702146	0.482588	0.999277
0.18653	0.632742223	63.76211	0.143208	0.20825	0.687674	0.491658	0.999277
0.285292	0.725910798	47.52832	0.149852	0.214208	0.699562	0.484201	0.999277
0.066475	0.414252049	59.29542	0.064836	0.209267	0.309822	0.756696	0.999277
0.382971	0.790738618	14.5072	0.111637	0.200888	0.555716	0.578405	0.999277
0.001754	0.052203092	46.96199	-0.1238	0.212338	-0.58304	0.559863	0.999277
0.59498	0.896659304	82.35085	0.173567	0.213186	0.814158	0.415554	0.999277
0.319276	0.75036818	9.572038	0.095013	0.184372	0.515334	0.60632	0.999277
0.134527	0.559324055	19.69825	0.028155	0.213582	0.131824	0.895123	0.999277
0.026281	0.258836053	124.4657	0.016538	0.186336	0.088753	0.929279	0.999277
0.702732	0.934077476	11.64229	0.184837	0.191657	0.964414	0.334838	0.999277
0.12045	0.533405714	96.76889	0.040601	0.191711	0.211782	0.832277	0.999277
0.179158	0.623409084	10.25819	0.044273	0.191659	0.230996	0.817318	0.999277
0.245485	0.693665521	44.89114	0.101592	0.21687	0.468447	0.639465	0.999277
0.133286	0.555892843	54.73368	0.017819	0.212655	0.083795	0.93322	0.999277
0.5816	0.89287357	196.1753	0.18644	0.163729	1.138709	0.254824	0.999277
0.294426	0.733827953	556.2636	0.143327	0.129442	1.107273	0.268176	0.999277
0.732689	0.938791295	134.4505	0.271106	0.180536	1.501674	0.133181	0.959746
0.393924	0.796246138	86.78828	0.324473	0.198741	1.632645	0.102544	0.899753
0.067184	0.416338554	292.4356	-0.01637	0.149127	-0.10974	0.912612	0.999277

0.880092	0.97662978	397.9523	0.216639	0.17978	1.20502	0.228195	0.999277
0.297071	0.735610983	61.62996	0.128111	0.210981	0.607218	0.543706	0.999277
0.292613	0.732875993	24.105	0.112497	0.216141	0.520479	0.60273	0.999277
0.494056	0.852929488	31.91535	0.145258	0.216728	0.670229	0.502712	0.999277
0.13261	0.555040519	27.97313	0.019068	0.216948	0.08789	0.929964	0.999277
0.701525	0.934077476	106.5643	0.215315	0.189327	1.137264	0.255428	0.999277
0.375034	0.787458382	140.127	0.124039	0.180945	0.685506	0.493025	0.999277
0.176075	0.618716863	885.6137	0.132501	0.114127	1.160989	0.245646	0.999277
0.225218	0.674997191	38.16995	0.079435	0.215798	0.3681	0.712798	0.999277
0.268711	0.711911233	21.75991	0.121115	0.21495	0.563453	0.573126	0.999277
0.26236	0.705744981	78.32087	0.134569	0.199684	0.673909	0.500369	0.999277
0.174228	0.616765794	182.7094	0.105839	0.162465	0.651459	0.51475	0.999277
0.51481	0.862555793	103.2576	0.295837	0.216342	1.36745	0.171484	0.999277
0.11833	0.528824053	242.7269	0.066238	0.154028	0.430041	0.667166	0.999277
0.556847	0.882857716	25.8423	0.154048	0.216253	0.712352	0.476247	0.999277
0.035925	0.30625827	68.2511	0.024937	0.206702	0.12064	0.903976	0.999277
0.305482	0.741488163	9.810787	0.089498	0.189888	0.471317	0.637414	0.999277
0.020265	0.225289861	61.36079	0.021062	0.206871	0.101814	0.918904	0.999277
0.452663	0.827495884	214.1346	0.285956	0.192782	1.483313	0.137991	0.963238
0.008129	0.137724381	645.6233	0.412876	0.142616	2.89501	0.003791	0.270667
0.409764	0.803007486	38.30967	0.115607	0.216118	0.534925	0.592702	0.999277
0.810101	0.958353056	81.24092	0.199813	0.198548	1.006371	0.314237	0.999277
0.042535	0.333068766	68.26139	-0.04739	0.202843	-0.23363	0.815275	0.999277
0.001554	0.048380386	34.30313	-0.04387	0.216721	-0.20245	0.839567	0.999277
0.375034	0.787458382	140.4219	0.122242	0.180705	0.676476	0.498739	0.999277
0.445062	0.823581052	29.13244	0.166628	0.217016	0.767815	0.442597	0.999277
0.008876	0.143166273	218.7748	0.059015	0.154507	0.381959	0.702492	0.999277
0.128773	0.547624428	48.21527	0.015085	0.216179	0.069778	0.94437	0.999277
0.442591	0.822412917	55.60746	0.324761	0.209081	1.553283	0.120356	0.929931
0.149485	0.582896241	39.06357	0.100314	0.215564	0.465356	0.641677	0.999277
0.15044	0.583808726	28.91227	0.375123	0.217022	1.728502	0.083898	0.839713
0.44208	0.822000753	48.65489	0.134489	0.216677	0.620689	0.534804	0.999277
0.108115	0.510417982	201.8593	0.071169	0.160394	0.443711	0.657251	0.999277
0.662013	0.924287347	23.24042	0.179084	0.21273	0.841835	0.39988	0.999277
0.66814	0.925067398	11.68935	0.295601	0.177579	1.664615	0.09599	0.889738
0.575984	0.890535872	59.31272	0.29157	0.21141	1.379167	0.167843	0.999277
0.539786	0.873794135	43.02148	0.157894	0.215636	0.732225	0.464031	0.999277
0.641252	0.914411444	286.5526	0.193778	0.145233	1.334258	0.182119	0.999277
0.962556	0.994289023	39.7265	0.236349	0.214795	1.100347	0.271181	0.999277
0.764777	0.947560599	19.75713	0.266094	0.212622	1.251489	0.210756	0.999277
0.777922	0.950566762	182.5557	0.207856	0.170115	1.221859	0.221761	0.999277
0.814202	0.9594188	31.70395	0.204095	0.216959	0.940711	0.346853	0.999277
0.002907	0.073722181	1269.982	0.03152	0.104833	0.300668	0.763667	0.999277
0.008872	0.143166273	129.3193	-0.00827	0.175473	-0.04713	0.962412	0.999277
0.371902	0.786113378	52.71221	0.170447	0.211733	0.805008	0.420815	0.999277
0.623796	0.907988155	17.63672	0.163573	0.197831	0.826831	0.408333	0.999277
0.713329	0.935646775	179.8571	0.198909	0.167347	1.188601	0.234597	0.999277
0.185272	0.631890551	55.94407	0.102099	0.207501	0.492039	0.622691	0.999277
0.784904	0.953194003	10.01575	0.271282	0.182012	1.490464	0.136102	0.961317
0.12681	0.544513794	208.242	0.034079	0.181857	0.187395	0.851351	0.999277
0.039241	0.32155264	214.099	0.053033	0.164957	0.321493	0.747837	0.999277
0.961161	0.994289023	42.24846	0.225518	0.213388	1.056848	0.290581	0.999277

0.172759	0.61465782	39.38208	0.090238	0.216079	0.417618	0.676227	0.999277
0.264962	0.708435983	14.41385	0.070651	0.204888	0.344828	0.730223	0.999277
0.604048	0.901150925	206.5141	0.259162	0.16895	1.533961	0.125039	0.940007
0.676571	0.927787926	93.97571	0.204151	0.188789	1.081375	0.27953	0.999277
0.675685	0.927604313	39.83746	0.183472	0.214432	0.855618	0.392209	0.999277
0.96822	0.995518796	89.7673	0.227576	0.195657	1.163139	0.244773	0.999277
0.399276	0.799634579	99.11767	0.145027	0.190747	0.760311	0.447069	0.999277
0.442086	0.822000753	214.8943	0.293265	0.154386	1.899551	0.057492	0.743105
0.060226	0.39579154	180.369	0.052033	0.194899	0.266972	0.789491	0.999277
0.120352	0.533227049	26.37274	0.103617	0.215453	0.480926	0.630569	0.999277
0.344113	0.766294086	102.9279	0.166009	0.190619	0.870896	0.383811	0.999277
0.772259	0.949459554	72.22078	0.197942	0.199356	0.992908	0.320755	0.999277
0.47168	0.841220662	95.79495	0.276587	0.190191	1.454261	0.145874	0.977082
0.769318	0.94929683	71.54765	0.202615	0.202481	1.000666	0.316989	0.999277
0.880635	0.97662978	10.78151	0.208129	0.187553	1.109712	0.267123	0.999277
0.345682	0.767180599	12.32473	0.097129	0.198267	0.489891	0.624211	0.999277
0.511208	0.860852133	10.92714	0.325111	0.186207	1.745968	0.080817	0.83161
0.608762	0.903795926	127.59	0.176312	0.184528	0.955476	0.339337	0.999277
0.019284	0.218470576	208.8447	-0.09695	0.162585	-0.59628	0.550988	0.999277
0.421688	0.812204448	53.98864	0.114214	0.209332	0.545612	0.585332	0.999277
0.599597	0.898925427	40.32319	0.189881	0.214227	0.886351	0.375428	0.999277
0.951488	0.992011384	14.55644	0.237363	0.197314	1.202975	0.228986	0.999277
0.044508	0.340155554	90.34522	-0.03253	0.18966	-0.17152	0.863815	0.999277
0.268841	0.711911233	11.45863	0.102873	0.19299	0.533051	0.593998	0.999277
0.712874	0.935646775	75.70085	0.256668	0.202278	1.268888	0.204481	0.999277
0.002255	0.062147479	15.70826	-0.19444	0.209104	-0.92985	0.352447	0.999277
0.596675	0.897840318	55.66078	0.152237	0.212771	0.715497	0.474302	0.999277
0.000126	0.009655216	215.329	-0.10668	0.158392	-0.67352	0.500615	0.999277
0.892673	0.979423868	12.59867	0.240815	0.199916	1.204579	0.228366	0.999277
0.276158	0.717891813	594.2978	0.139125	0.146613	0.948928	0.342657	0.999277
0.143419	0.572261075	12.37445	0.032948	0.200145	0.164622	0.869242	0.999277
0.386367	0.792576238	618.0081	0.311441	0.202149	1.540649	0.123402	0.936331
0.001859	0.054142391	46.15091	-0.0152	0.213281	-0.07127	0.943183	0.999277
0.44725	0.824037121	10.36205	0.124953	0.194253	0.643248	0.520063	0.999277
0.986237	0.997898544	21.20495	0.225509	0.210671	1.070434	0.284424	0.999277
0.658097	0.921545497	421.739	0.189003	0.141106	1.33944	0.180428	0.999277
0.493186	0.852802998	139.3916	0.187131	0.17207	1.087525	0.276805	0.999277
0.399728	0.79970322	168.5605	0.127434	0.172312	0.739552	0.459572	0.999277
0.96897	0.99553873	9.409943	0.221013	0.171382	1.289593	0.197192	0.999277
0.728063	0.938587002	153.8059	0.193741	0.171644	1.128734	0.25901	0.999277
0.711464	0.935646775	226.9838	0.263161	0.175805	1.496889	0.134422	0.96056
0.490082	0.85150948	61.02329	0.149186	0.211323	0.70596	0.480213	0.999277
0.907018	0.982337683	21.90809	0.239733	0.214948	1.115306	0.264719	0.999277
0.024622	0.250278763	17.40976	-0.08961	0.208812	-0.42915	0.667812	0.999277
0.282756	0.723889658	38.19631	0.137169	0.216657	0.633112	0.52666	0.999277
0.363209	0.780897006	45.99942	0.120452	0.214033	0.562774	0.573588	0.999277
0.036283	0.307345474	53.04219	0.038248	0.210924	0.181335	0.856104	0.999277
0.000987	0.036348823	99.04473	-0.02435	0.191791	-0.12698	0.898956	0.999277
0.781887	0.951692757	49.44327	0.245659	0.212746	1.15471	0.248209	0.999277
0.979377	0.996602004	90.33645	0.224519	0.204887	1.095821	0.273157	0.999277
0.225033	0.674923769	24.01708	0.070662	0.203212	0.347725	0.728047	0.999277
0.721723	0.93735594	82.32524	0.197364	0.197195	1.000857	0.316896	0.999277

0.340386	0.763413261	8.686425	0.092677	0.172769	0.536423	0.591666	0.999277
0.797347	0.955972774	117.3534	0.262787	0.191611	1.371463	0.170231	0.999277
0.347678	0.769335577	32.99187	0.133521	0.216983	0.615355	0.53832	0.999277
0.798707	0.956401774	100.2296	0.244766	0.189235	1.293453	0.195855	0.999277
0.973799	0.995861805	9.002084	0.229199	0.181951	1.259673	0.207788	0.999277
0.355594	0.774871619	31.94378	0.336986	0.216591	1.55586	0.119741	0.929931
0.598392	0.898428286	24.89796	0.171287	0.216119	0.79256	0.428034	0.999277
0.150462	0.583808726	16.21886	0.020191	0.202049	0.099933	0.920398	0.999277
0.128242	0.547436547	67.37797	0.06196	0.202016	0.306708	0.759065	0.999277
0.109355	0.512855014	24.20457	0.027995	0.212388	0.131812	0.895133	0.999277
0.190154	0.637982754	41.90679	0.103246	0.213529	0.483523	0.628724	0.999277
0.954604	0.992605014	490.8942	0.229902	0.156319	1.470723	0.141366	0.97436
0.945212	0.989670978	755.2401	0.21408	0.118305	1.809557	0.070365	0.799638
0.320093	0.750866885	28.45627	0.15303	0.216987	0.705249	0.480655	0.999277
0.047105	0.349223915	17.71542	-0.06545	0.211817	-0.30899	0.757331	0.999277
0.505417	0.85767591	165.7989	0.153453	0.172078	0.891767	0.372518	0.999277
0.814717	0.9594188	42.09238	0.247765	0.216276	1.145598	0.251961	0.999277
0.04391	0.337833053	19.22708	0.01993	0.211827	0.094085	0.925042	0.999277
0.823567	0.961800984	178.5864	0.240902	0.191428	1.258447	0.20823	0.999277
0.208506	0.656690788	77.84068	0.138518	0.197866	0.700062	0.483888	0.999277
0.501258	0.856161589	48.57009	0.157441	0.212077	0.742375	0.45786	0.999277
0.429011	0.815457184	94.10167	0.160932	0.202754	0.793733	0.427351	0.999277
0.373894	0.787458382	45.53355	0.102674	0.212696	0.482727	0.629289	0.999277
0.86156	0.97286097	238.3068	0.203346	0.156012	1.303402	0.192438	0.999277
0.014843	0.190902506	62.51071	0.440743	0.216643	2.034415	0.04191	0.672512
0.194359	0.639900752	21.13106	0.056582	0.204499	0.276684	0.782022	0.999277
0.584322	0.893086908	13.90808	0.143746	0.199237	0.72148	0.470614	0.999277
0.502024	0.856224747	194.2155	0.146096	0.163589	0.893064	0.371823	0.999277
0.54385	0.875213603	125.5698	0.169307	0.184798	0.916174	0.359576	0.999277
0.953225	0.992357094	9.123695	0.229468	0.188139	1.219672	0.222589	0.999277
0.079991	0.44737339	289.8185	0.071832	0.167383	0.429149	0.667815	0.999277
0.746614	0.94141995	31.81184	0.246803	0.216951	1.137597	0.255289	0.999277
0.578441	0.892224608	36.6185	0.169218	0.216619	0.781178	0.434698	0.999277
0.137834	0.565336873	58.13	0.10824	0.209219	0.517353	0.60491	0.999277
0.156715	0.595337949	44.4721	0.022516	0.216982	0.103771	0.917351	0.999277
0.523247	0.867229944	144.4462	0.15187	0.175516	0.865275	0.386888	0.999277
0.08612	0.462935946	15.46586	0.03144	0.207703	0.151371	0.879683	0.999277
0.007355	0.130240491	133.9074	-0.07379	0.176624	-0.41776	0.676124	0.999277
0.375047	0.787458382	31.13309	0.323349	0.204969	1.577548	0.11467	0.929931
0.198867	0.645843496	15.94439	0.04345	0.200906	0.216272	0.828775	0.999277
0.534	0.871974168	49.59136	0.293104	0.214468	1.366661	0.171732	0.999277
0.426831	0.814589985	114.4609	0.157978	0.187498	0.842557	0.399476	0.999277
0.139212	0.567677313	241.4923	0.089991	0.163283	0.551136	0.58154	0.999277
0.139212	0.567677313	241.4923	0.089991	0.163283	0.551136	0.58154	0.999277
0.139037	0.567481859	18.44325	0.019667	0.190708	0.103126	0.917863	0.999277
0.851227	0.96960608	12.70059	0.192533	0.186938	1.029929	0.303043	0.999277
0.539152	0.873794135	55.22571	0.134011	0.214922	0.623533	0.532934	0.999277
0.524483	0.867773724	266.7056	0.13996	0.169286	0.826764	0.408371	0.999277
0.444979	0.823581052	41.60421	0.149419	0.215109	0.694617	0.487295	0.999277
0.178129	0.621198638	1708.249	0.368265	0.112869	3.262768	0.001103	0.127952
0.014901	0.19133676	141.1564	-0.03377	0.187079	-0.18053	0.856739	0.999277
0.082565	0.454148982	11.65277	0.04013	0.197848	0.20283	0.839268	0.999277

0.914419	0.98409205	41.12639	0.234905	0.216379	1.085616	0.277649	0.999277
0.238835	0.687956644	13.26979	0.062279	0.201183	0.309563	0.756893	0.999277
0.426604	0.814589985	24.68078	0.1431	0.215019	0.665521	0.505717	0.999277
0.778234	0.950724178	678.3234	0.181383	0.124503	1.45686	0.145155	0.977082
0.002369	0.064504253	262.3362	-0.16682	0.158719	-1.05104	0.293239	0.999277
0.235815	0.68457409	292.8962	0.35385	0.145466	2.432523	0.014994	0.45844
0.661371	0.923825455	29.88462	0.169412	0.216987	0.780747	0.434951	0.999277
0.079071	0.445187123	9.547792	-0.00977	0.186527	-0.05239	0.958219	0.999277
0.011551	0.166556073	120.561	-0.11841	0.185262	-0.63915	0.522725	0.999277
0.185781	0.631890551	115.8568	0.09113	0.181248	0.502794	0.615109	0.999277
0.574626	0.890535872	137.5433	0.1628	0.172792	0.942174	0.346104	0.999277
0.535878	0.872591863	35.02113	0.169341	0.216966	0.780496	0.435099	0.999277
0.569799	0.888935841	165.7949	0.278987	0.172314	1.61906	0.105434	0.903164
0.167407	0.607180741	192.4134	0.074783	0.161978	0.461688	0.644305	0.999277
0.16588	0.605102404	17.40508	0.018939	0.207986	0.091057	0.927447	0.999277
0.005842	0.11400287	11.80161	-0.18389	0.198277	-0.92746	0.353687	0.999277
0.768802	0.949074248	347.5345	0.184701	0.150679	1.225797	0.220275	0.999277
0.665526	0.925067398	15.76312	0.175633	0.202586	0.866953	0.385968	0.999277
0.461652	0.833915601	102.0959	0.27213	0.189191	1.438389	0.150324	0.982122
0.526113	0.868304398	59.38367	0.165211	0.212128	0.778824	0.436084	0.999277
0.610169	0.904226992	10.46854	0.27993	0.192942	1.450851	0.146821	0.977404
0.325614	0.754238284	459.6692	0.331341	0.138206	2.397445	0.01651	0.474446
0.362379	0.780559211	16.31366	0.104454	0.206901	0.504851	0.613663	0.999277
0.446773	0.824037121	19.49633	0.328012	0.207145	1.58349	0.11331	0.925888
0.846465	0.968350774	22.02071	0.190009	0.204623	0.928578	0.353108	0.999277
0.056352	0.383728884	58.24003	0.061258	0.208754	0.293447	0.76918	0.999277
0.711707	0.935646775	8.659682	0.163056	0.179599	0.907889	0.363937	0.999277
0.295192	0.734380892	43.1137	0.102047	0.214964	0.474719	0.634987	0.999277
0.14457	0.574285215	359.9325	0.020026	0.138033	0.145079	0.884648	0.999277
0.707358	0.93479128	75.40491	0.162183	0.203473	0.797073	0.425409	0.999277
0.51942	0.864779649	16.13836	0.309701	0.186312	1.66227	0.096459	0.889738
0.154166	0.59087375	44.47876	0.092885	0.214366	0.433302	0.664796	0.999277
0.917605	0.984558013	34.21795	0.205327	0.216969	0.946347	0.343972	0.999277
0.514574	0.862555793	204.457	0.150458	0.175647	0.856597	0.391668	0.999277
0.287463	0.72790282	13.8297	0.065444	0.198041	0.330458	0.741054	0.999277
0.49784	0.853814273	57.51147	0.145493	0.206322	0.705177	0.4807	0.999277
0.505042	0.857474699	28.8193	0.29281	0.215225	1.360485	0.173676	0.999277
0.144613	0.574285215	68.43443	0.405194	0.206068	1.966317	0.049262	0.700473
0.199607	0.64680299	25.43403	0.076287	0.216543	0.352296	0.724616	0.999277
0.512935	0.861822466	34.1161	0.121708	0.202493	0.601046	0.547809	0.999277
0.004873	0.102129912	192.8934	-0.00631	0.171297	-0.03684	0.970612	0.999277
0.572057	0.889873857	25.24408	0.15666	0.215014	0.728604	0.466244	0.999277
0.728338	0.938587002	25.12163	0.165536	0.214439	0.77195	0.440144	0.999277
0.105268	0.503079308	55.90898	0.03092	0.209973	0.147258	0.882929	0.999277
0.521199	0.865988023	28.11018	0.151532	0.216435	0.700128	0.483848	0.999277
0.152836	0.589042386	24.58788	0.023362	0.216281	0.108016	0.913983	0.999277
0.449023	0.825078456	373.7277	0.114438	0.14608	0.783395	0.433395	0.999277
0.040459	0.326976333	233.2952	-0.01254	0.185303	-0.06765	0.946066	0.999277
0.796057	0.955540377	9.890417	0.177605	0.183269	0.969094	0.332498	0.999277
0.120585	0.533405714	11.47819	0.034162	0.199123	0.171562	0.863782	0.999277
0.142385	0.571875272	100.0235	0.327412	0.195644	1.673509	0.094227	0.88101
0.721298	0.937077062	165.8379	0.265995	0.187843	1.41605	0.156761	0.996626

0.004473	0.097867715	143.569	-0.08514	0.17424	-0.48866	0.625085	0.999277
0.741448	0.94054009	56.20875	0.241883	0.207142	1.167716	0.242921	0.999277
0.142345	0.571875272	253.7094	0.067723	0.155653	0.43509	0.663497	0.999277
0.463464	0.835259367	32.37047	0.137274	0.216977	0.632665	0.526952	0.999277
0.090571	0.473414303	501.4248	0.067572	0.133247	0.507122	0.612069	0.999277
0.58226	0.892926328	65.41715	0.271929	0.212543	1.279409	0.200753	0.999277
0.496213	0.853814273	15.79442	0.114968	0.203264	0.565612	0.571657	0.999277
0.333626	0.758949115	64.01467	0.092103	0.204676	0.449996	0.652713	0.999277
0.35433	0.774326904	28.0596	0.32981	0.210394	1.567584	0.116978	0.929931
0.240069	0.688236474	20.94677	0.381807	0.192851	1.979808	0.047725	0.692543
0.25636	0.702061462	52.14216	0.098921	0.209935	0.4712	0.637498	0.999277
0.080237	0.447549	11.03101	-0.04033	0.195159	-0.20663	0.836296	0.999277
0.368175	0.784139094	504.891	0.139156	0.13913	1.000184	0.317221	0.999277
0.933256	0.986607773	131.477	0.202682	0.182869	1.108341	0.267715	0.999277
0.052127	0.369840117	1593.846	0.085465	0.216266	0.395186	0.692706	0.999277
0.293445	0.733452399	430.8865	0.108402	0.127869	0.847755	0.396575	0.999277
0.697821	0.93369059	110.4427	0.165132	0.187004	0.883041	0.377214	0.999277
0.190492	0.638148448	15.24608	0.022259	0.199357	0.111654	0.911098	0.999277
0.824341	0.961934902	71.73903	0.23581	0.201151	1.172305	0.241075	0.999277
0.112492	0.518563319	87.36791	-0.01706	0.204733	-0.08331	0.933606	0.999277
0.038776	0.320544911	49.78829	0.01839	0.211024	0.087146	0.930555	0.999277
0.277674	0.719454224	28.79088	0.346112	0.216967	1.595232	0.11066	0.91748
0.528577	0.86938189	335.7445	0.166139	0.159239	1.043329	0.296796	0.999277
0.449678	0.825539117	44.776	0.111796	0.214789	0.520495	0.602719	0.999277
0.802065	0.956825956	64.82927	0.24361	0.210634	1.156559	0.247452	0.999277
0.493944	0.852929488	14.22581	0.302717	0.186931	1.619403	0.105361	0.903164
0.043233	0.335849873	11.43229	-0.06189	0.189118	-0.32723	0.743494	0.999277
0.794625	0.955450804	40.46936	0.24043	0.215069	1.117917	0.263602	0.999277
0.025625	0.256430715	175.3795	-0.0291	0.167549	-0.17369	0.862105	0.999277
0.237571	0.686469556	18.24015	0.044853	0.211039	0.212532	0.831692	0.999277
0.054697	0.378393013	77.77891	0.0336	0.195807	0.171599	0.863753	0.999277
0.181668	0.627796526	748.0695	0.131709	0.114193	1.153392	0.24875	0.999277
0.673755	0.927574661	148.9916	0.158908	0.174405	0.911143	0.36222	0.999277
0.028995	0.273827696	66.91719	0.40746	0.21131	1.928258	0.053823	0.724904
0.334955	0.759008088	266.1242	0.085884	0.151312	0.567592	0.570312	0.999277
0.252749	0.698467085	238.0194	0.311273	0.169792	1.833257	0.066764	0.784357
0.144313	0.573945795	8.986902	0.008711	0.176227	0.049431	0.960576	0.999277
0.642951	0.914852273	135.1609	0.155471	0.206394	0.753274	0.451285	0.999277
0.491978	0.852802998	46.77603	0.116031	0.212833	0.545175	0.585633	0.999277
0.808617	0.958353056	32.76252	0.186908	0.216525	0.863215	0.388019	0.999277
0.802829	0.957090635	29.67112	0.181341	0.216626	0.837113	0.402529	0.999277
0.342311	0.765290032	31.31804	0.112136	0.216858	0.517095	0.60509	0.999277
0.20107	0.648578288	277.9597	0.054885	0.146235	0.375322	0.707421	0.999277
0.540219	0.873794135	153.8792	0.150508	0.186899	0.805288	0.420653	0.999277
0.893183	0.979423868	10.95095	0.193824	0.190048	1.019867	0.307791	0.999277
0.045961	0.344757485	117.4226	0.051287	0.196544	0.260944	0.794135	0.999277
0.531965	0.870779102	8.882695	0.13523	0.160159	0.844351	0.398473	0.999277
0.106898	0.507302189	75.34958	0.076842	0.203057	0.378424	0.705116	0.999277
0.055093	0.379148447	16.70891	-0.06196	0.208349	-0.29741	0.766155	0.999277
0.677757	0.928330208	179.7799	0.177184	0.184715	0.95923	0.337443	0.999277
0.128496	0.547610488	53.61253	0.090863	0.211594	0.429421	0.667617	0.999277
0.83182	0.963528861	41.73772	0.184736	0.217005	0.851298	0.394604	0.999277

0.302945	0.739758551	38.57449	0.323704	0.216201	1.497236	0.134332	0.96056
0.087112	0.464287349	22.21985	-0.03176	0.214061	-0.14837	0.882048	0.999277
0.045111	0.342308082	18.27224	-0.07945	0.211824	-0.37509	0.707596	0.999277
0.942147	0.988669996	9.814908	0.220758	0.169824	1.299919	0.193629	0.999277
0.395782	0.797110796	42.83932	0.281596	0.216238	1.302247	0.192832	0.999277
0.962156	0.994289023	138.7407	0.215894	0.172604	1.250807	0.211005	0.999277
0.309785	0.743963115	126.2634	0.117325	0.178272	0.658128	0.510456	0.999277
0.45929	0.832244861	290.1571	0.281883	0.146654	1.922095	0.054594	0.729459
0.507006	0.858749908	113.543	0.15086	0.191288	0.788654	0.430314	0.999277
0.441439	0.821483876	95.66302	0.140538	0.200397	0.7013	0.483116	0.999277
0.104266	0.501644228	84.41442	0.0334	0.192362	0.17363	0.862156	0.999277
0.615977	0.9063422	91.44735	0.264857	0.192796	1.373768	0.169514	0.999277
0.957358	0.993011151	184.8018	0.205299	0.162899	1.260283	0.207567	0.999277
0.435249	0.818033868	54.2035	0.112821	0.209285	0.539079	0.589832	0.999277
0.621219	0.907988155	35.82615	0.139856	0.216269	0.646679	0.51784	0.999277
0.356061	0.774871619	73.2716	0.120616	0.202157	0.596643	0.550745	0.999277
0.346452	0.767997397	14.18581	0.346116	0.185393	1.866928	0.061912	0.767757
0.097485	0.487796378	24.57111	0.071628	0.216144	0.331389	0.74035	0.999277
0.8739	0.975929662	44.20559	0.189696	0.215714	0.879385	0.379192	0.999277
0.964508	0.994711448	73.89971	0.213862	0.178457	1.198395	0.230763	0.999277
0.376852	0.788552212	30.21122	0.288528	0.216988	1.329695	0.183619	0.999277
0.067512	0.417181262	30.90594	0.047358	0.216913	0.218327	0.827174	0.999277
0.717368	0.935996695	100.4281	0.232376	0.188425	1.233254	0.217481	0.999277
0.703171	0.934077476	69.87534	0.15749	0.20156	0.781358	0.434592	0.999277
0.157872	0.596629211	181.2695	0.102797	0.168524	0.609987	0.54187	0.999277
0.389636	0.794805703	42.73406	0.108078	0.214155	0.504672	0.613789	0.999277
0.651964	0.919811662	122.1664	0.274347	0.181366	1.512669	0.130364	0.954087
0.021836	0.235508283	288.8903	0.046047	0.158192	0.291086	0.770986	0.999277
0.155822	0.594363605	229.1056	0.068248	0.15762	0.43299	0.665022	0.999277
0.89299	0.979423868	11.16096	0.191052	0.197467	0.967514	0.333287	0.999277
0.026941	0.262366343	154.6252	0.00792	0.174348	0.045426	0.963768	0.999277
0.546928	0.87659322	44.11444	0.152577	0.213763	0.713768	0.475371	0.999277
0.546697	0.876523693	266.0899	0.135077	0.161013	0.838919	0.401515	0.999277
9.95E-06	0.001547023	60.14655	-0.22969	0.205461	-1.11792	0.263601	0.999277
0.110365	0.514156037	121.5329	0.369169	0.197007	1.87389	0.060946	0.763542
0.070944	0.425044249	26.03517	-0.05139	0.216711	-0.23714	0.812547	0.999277
0.121575	0.534218212	43.27219	0.07965	0.215086	0.37032	0.711144	0.999277
0.907672	0.982337683	11.90506	0.223463	0.190096	1.175531	0.239783	0.999277
0.073068	0.431176533	115.5079	0.375187	0.18797	1.995995	0.045934	0.687973
0.459227	0.832244861	521.6972	0.133487	0.131247	1.017068	0.309121	0.999277
0.065672	0.413074531	89.34552	0.066708	0.191895	0.347628	0.728119	0.999277
0.557355	0.882863308	31.93	0.13197	0.214566	0.615057	0.538517	0.999277
0.278237	0.72007669	73.24024	0.071114	0.202659	0.350906	0.725659	0.999277
0.471027	0.840393952	78.54438	0.121738	0.204183	0.596223	0.551026	0.999277
0.125546	0.541522853	30.21141	0.041651	0.216754	0.192157	0.847619	0.999277
0.047776	0.35185556	178.4656	0.012926	0.168149	0.076872	0.938726	0.999277
0.371353	0.785869821	26.14178	0.088213	0.214998	0.410299	0.681587	0.999277
0.517639	0.86393847	43.69441	0.130114	0.216722	0.600372	0.548259	0.999277
0.416125	0.808479443	276.4322	0.136817	0.144383	0.947597	0.343335	0.999277
0.397033	0.797477006	25.52606	0.285793	0.21472	1.331007	0.183187	0.999277
0.149183	0.582539588	107.0628	0.03094	0.189996	0.162847	0.870639	0.999277
0.006866	0.124537418	76.36972	-0.03979	0.19739	-0.2016	0.840228	0.999277

0.273857	0.716676312	11.45691	0.049801	0.192684	0.258459	0.796053	0.999277
0.109592	0.512855014	256.31	0.041422	0.150311	0.275577	0.782873	0.999277
0.928591	0.985704596	37.94846	0.197475	0.215169	0.917769	0.35874	0.999277
0.451746	0.827016761	12.11966	0.099462	0.186887	0.532205	0.594584	0.999277
0.176653	0.619698727	43.21734	0.01645	0.215125	0.076469	0.939046	0.999277
0.485191	0.84842492	13.18344	0.108994	0.198748	0.548405	0.583414	0.999277
0.196843	0.64352339	64.47184	0.385685	0.21104	1.827544	0.067618	0.786471
0.274423	0.716737013	13.25604	0.048528	0.199605	0.243122	0.807911	0.999277
0.37303	0.786854478	12.01197	0.088022	0.192524	0.457201	0.647526	0.999277
0.863432	0.9735332	62.12193	0.225973	0.217027	1.04122	0.297773	0.999277
0.256232	0.702061462	53.3652	0.073567	0.21172	0.347472	0.728237	0.999277
0.653784	0.919811662	10.60351	0.144753	0.195808	0.739258	0.45975	0.999277
0.003218	0.07907168	409.6048	-0.1443	0.137908	-1.04634	0.295405	0.999277
0.810684	0.958380374	39.59692	0.175035	0.215648	0.811672	0.41698	0.999277
0.997888	0.998980571	37.73764	0.204754	0.21573	0.949118	0.34256	0.999277
0.293936	0.733713995	171.6998	0.287991	0.176285	1.633662	0.10233	0.899753
0.816767	0.959821979	133.1066	0.181818	0.182331	0.997184	0.318675	0.999277
0.378399	0.789109046	31.47455	0.080184	0.217007	0.369502	0.711753	0.999277
0.351277	0.772925103	53.6894	0.068446	0.209275	0.327062	0.743621	0.999277
0.121826	0.534793662	238.9899	-0.00825	0.151933	-0.05428	0.956713	0.999277
0.733526	0.938791295	27.17074	0.160655	0.216394	0.742421	0.457832	0.999277
0.424991	0.814226822	54.51943	0.134395	0.213684	0.628943	0.529386	0.999277
0.373937	0.787458382	47.71706	0.079183	0.211647	0.374127	0.70831	0.999277
0.878539	0.976223954	903.9593	0.186207	0.11922	1.561876	0.118317	0.929931
0.196926	0.64352339	151.1245	0.364224	0.187456	1.94298	0.052019	0.718885
0.852727	0.969800108	86.35605	0.184165	0.193661	0.950968	0.341621	0.999277
0.312058	0.745671156	39.67994	0.09648	0.21686	0.444896	0.656395	0.999277
0.040739	0.328439878	120.7007	0.025422	0.181508	0.140063	0.88861	0.999277
0.112201	0.518280026	89.64084	0.013217	0.192906	0.068514	0.945376	0.999277
0.47667	0.84304528	34.79439	0.11758	0.216377	0.543403	0.586852	0.999277
0.588089	0.894310786	127.3584	0.159951	0.176742	0.904995	0.365468	0.999277
0.883264	0.976958449	18.61929	0.222581	0.202365	1.099895	0.271378	0.999277
0.715499	0.935646775	47.73687	0.234446	0.216907	1.080859	0.27976	0.999277
0.582553	0.892926328	23.28152	0.129326	0.214257	0.603601	0.546109	0.999277
0.055998	0.382861867	23.84015	0.479321	0.204854	2.339819	0.019293	0.496708
0.075909	0.437735521	15.256	-0.01999	0.206341	-0.09689	0.922817	0.999277
0.880698	0.97662978	172.6991	0.187744	0.180092	1.04249	0.297184	0.999277
0.01101	0.162800872	382.0067	0.008456	0.146797	0.057606	0.954062	0.999277
0.088914	0.469951583	27.67794	-0.02241	0.215339	-0.10406	0.917121	0.999277
0.11456	0.522074639	257.7333	0.069772	0.150269	0.464313	0.642424	0.999277
0.266426	0.70955411	9.913559	0.059652	0.191975	0.310726	0.756009	0.999277
0.042639	0.333357607	26.17165	-0.00448	0.216411	-0.02071	0.983473	0.999277
0.158589	0.596830002	27.61902	0.039531	0.214912	0.183938	0.854062	0.999277
0.862284	0.973163445	9.017663	0.22696	0.167437	1.355491	0.175261	0.999277
0.216191	0.66711094	20.12411	0.101707	0.176136	0.577434	0.563646	0.999277
0.86746	0.974472542	105.1638	0.222507	0.18412	1.208487	0.22686	0.999277
0.062751	0.404145424	83.04541	0.011289	0.205054	0.055055	0.956095	0.999277
0.064031	0.407569633	27.76653	-0.06635	0.21695	-0.30582	0.759739	0.999277
0.31567	0.748547698	95.8086	0.108132	0.189086	0.571866	0.567413	0.999277
0.064818	0.410694195	94.88896	0.371149	0.194452	1.908687	0.056302	0.740613
0.302313	0.739758551	9.330727	0.08258	0.182485	0.45253	0.650887	0.999277
0.398476	0.798846944	21.43329	0.095005	0.213466	0.44506	0.656276	0.999277

0.173197	0.615469482	12.0284	0.025022	0.197987	0.12638	0.899431	0.999277
0.418689	0.810634665	61.20482	0.099539	0.2073	0.480168	0.631108	0.999277
0.100078	0.493095328	41.02329	0.069774	0.213958	0.326111	0.74434	0.999277
0.34055	0.763525389	529.1886	0.080547	0.123862	0.650301	0.515498	0.999277
0.196113	0.64227649	35.51043	0.386249	0.209367	1.844837	0.065061	0.780408
0.058898	0.391852183	82.75276	0.35987	0.194453	1.850681	0.064215	0.776049
0.362831	0.780559211	15.43381	0.084147	0.205656	0.409162	0.682421	0.999277
0.205193	0.653022736	23.68415	0.081567	0.215155	0.37911	0.704606	0.999277
0.250649	0.697484296	148.7924	0.282886	0.176546	1.602343	0.10908	0.911354
0.253453	0.699292059	223.9836	0.134535	0.160214	0.839721	0.401065	0.999277
0.061099	0.397916607	99.04729	-0.01413	0.199754	-0.07072	0.943618	0.999277
0.823836	0.961847422	143.9706	0.212545	0.184711	1.15069	0.24986	0.999277
0.278829	0.720991002	118.3489	0.084743	0.184777	0.458624	0.646504	0.999277
0.388117	0.793631016	126.1927	0.083401	0.177929	0.468731	0.639262	0.999277
0.307715	0.743099434	141.9095	0.114962	0.171795	0.669182	0.503379	0.999277
0.203805	0.652048389	109.2242	0.090421	0.196422	0.460339	0.645273	0.999277
0.020037	0.224131956	176.1294	-0.00156	0.183863	-0.00851	0.993213	0.999277
0.111331	0.515826616	28.71399	0.032874	0.216995	0.151496	0.879585	0.999277
0.74375	0.940717284	27.98446	0.161601	0.216986	0.744752	0.456422	0.999277
0.738375	0.940125364	9.05595	0.151428	0.179797	0.842215	0.399667	0.999277
0.68777	0.931172733	104.0497	0.159028	0.21129	0.752653	0.451658	0.999277
0.187696	0.635226724	42.94392	0.085291	0.215887	0.39507	0.692791	0.999277
0.354899	0.774326904	67.54726	0.14007	0.201487	0.69518	0.486942	0.999277
0.305715	0.741541601	116.0109	0.121913	0.184398	0.661142	0.508522	0.999277
0.096871	0.486645207	179.9119	0.07323	0.182456	0.401357	0.688157	0.999277
0.143184	0.572261075	19.32964	-0.0134	0.210912	-0.06351	0.949357	0.999277
0.46611	0.836798902	201.8025	0.130626	0.161196	0.810352	0.417738	0.999277
0.370852	0.785482522	113.7127	0.26217	0.194736	1.346284	0.178211	0.999277
0.354524	0.774326904	83.90776	0.302309	0.201338	1.5015	0.133226	0.959746
0.486772	0.849658493	242.9049	0.138937	0.167282	0.830552	0.406227	0.999277
0.914045	0.983953937	86.30732	0.188722	0.199951	0.943839	0.345252	0.999277
0.804044	0.957461615	108.957	0.169282	0.19639	0.861966	0.388706	0.999277
0.121055	0.533865257	453.3652	0.00353	0.126014	0.02801	0.977654	0.999277
0.206287	0.65381832	12.18704	0.032162	0.195885	0.16419	0.869582	0.999277
0.608083	0.903740551	19.35436	0.268843	0.208993	1.286374	0.198313	0.999277
0.256664	0.702235305	120.6556	0.039241	0.180792	0.217053	0.828167	0.999277
0.007132	0.128018635	83.62825	-0.03301	0.194905	-0.16939	0.865492	0.999277
0.770061	0.94929683	33.16555	0.239235	0.216952	1.102711	0.270153	0.999277
0.952528	0.992357094	78.76997	0.205628	0.209236	0.982757	0.325727	0.999277
0.000354	0.018953111	217.0305	-0.14202	0.164214	-0.86482	0.387138	0.999277
0.088476	0.468934866	13.40481	-0.00236	0.202956	-0.01162	0.990725	0.999277
0.605666	0.902356354	14.55302	0.136578	0.205464	0.664733	0.506221	0.999277
0.77016	0.94929683	61.8725	0.164119	0.207135	0.792326	0.42817	0.999277
0.459612	0.832367291	120.5703	0.257986	0.187403	1.376636	0.168625	0.999277
0.595384	0.896810505	82.78447	0.232516	0.202492	1.148274	0.250855	0.999277
0.31144	0.745302162	17.09817	0.085455	0.209813	0.40729	0.683795	0.999277
0.009	0.144251328	542.4648	-0.01168	0.127991	-0.09128	0.927271	0.999277
0.383285	0.790738618	55.71198	0.091591	0.216815	0.422436	0.672706	0.999277
0.399762	0.79970322	44.54979	0.298282	0.212827	1.401521	0.161058	0.999277
0.344575	0.766383255	86.38679	0.117638	0.197503	0.595624	0.551426	0.999277
0.289192	0.728676762	201.5397	0.10654	0.169333	0.629175	0.529234	0.999277
0.431594	0.816304844	408.073	0.253528	0.155124	1.634364	0.102183	0.899753

0.070692	0.425044249	960.4805	-0.00298	0.115123	-0.02591	0.979328	0.999277
0.540435	0.873794135	17.9997	0.123355	0.209517	0.588756	0.556025	0.999277
0.010414	0.15740509	30.22101	-0.04721	0.217021	-0.21753	0.827792	0.999277
0.336155	0.759653928	184.9567	0.315517	0.165793	1.903084	0.05703	0.740812
0.63267	0.911817079	740.0529	0.148203	0.114513	1.294201	0.195596	0.999277
0.698415	0.93369059	858.2453	0.251157	0.141512	1.774805	0.07593	0.816627
0.059977	0.394933048	45.33982	0.032136	0.215668	0.149006	0.881549	0.999277
0.665919	0.925067398	249.6005	0.16196	0.150662	1.074992	0.282378	0.999277
0.311848	0.745302162	324.7704	0.076952	0.145133	0.530219	0.59596	0.999277
0.761447	0.946374842	22.61333	0.232541	0.215241	1.080373	0.279976	0.999277
0.567454	0.888146309	409.8246	0.115654	0.146745	0.78813	0.430621	0.999277
0.096683	0.486524812	507.428	-0.01437	0.130922	-0.10978	0.912587	0.999277
0.512814	0.861822466	37.12804	0.273031	0.213325	1.279886	0.200585	0.999277
0.148252	0.580458144	433.9269	0.288103	0.140672	2.048048	0.040555	0.667525
0.116675	0.526037829	84.33324	0.051584	0.193368	0.266767	0.789649	0.999277
0.692607	0.932146066	389.5667	0.152105	0.132391	1.148908	0.250594	0.999277
0.79833	0.956401774	14.64924	0.160913	0.203354	0.791294	0.428773	0.999277
0.77997	0.951422339	95.2315	0.231185	0.212529	1.087778	0.276693	0.999277
0.101364	0.496492109	182.1287	0.089712	0.170328	0.5267	0.598402	0.999277
0.902391	0.981785171	10.60568	0.177658	0.185861	0.955865	0.339141	0.999277
0.679466	0.928687921	67.58821	0.251566	0.20867	1.205573	0.227982	0.999277
0.176547	0.619698727	451.9759	0.28507	0.166689	1.710184	0.087232	0.847577
0.119154	0.530106173	247.31	0.061539	0.158999	0.387042	0.698725	0.999277
0.631617	0.911456731	51.44429	0.150383	0.213174	0.705445	0.480533	0.999277
0.649277	0.918644615	79.788	0.238982	0.203425	1.174795	0.240077	0.999277
0.461805	0.833915601	9.765731	0.293254	0.192532	1.523149	0.127721	0.949721
0.358355	0.776232985	33.67134	0.123801	0.216908	0.570752	0.568168	0.999277
0.090339	0.473154352	430.7765	-0.00174	0.16598	-0.01049	0.99163	0.999277
0.156818	0.595337949	12.73595	0.039807	0.200493	0.198548	0.842617	0.999277
0.528678	0.86938189	326.5626	0.145215	0.143293	1.013416	0.310862	0.999277
0.841039	0.966670198	17.69073	0.170612	0.211334	0.807308	0.419489	0.999277
0.013488	0.181194434	54.27511	-0.04147	0.207825	-0.19954	0.841844	0.999277
0.64151	0.914411444	61.08589	0.146174	0.211985	0.689549	0.490478	0.999277
0.016693	0.202596629	307.1721	0.037952	0.139634	0.271797	0.785778	0.999277
0.035596	0.30481364	259.2523	-0.03094	0.165114	-0.18736	0.851379	0.999277
0.811621	0.958640484	57.91243	0.220091	0.209064	1.052743	0.292459	0.999277
0.225561	0.675194667	295.3117	0.316243	0.144814	2.183795	0.028977	0.595666
0.294966	0.734108082	14.60269	0.066693	0.198786	0.335503	0.737245	0.999277
0.871282	0.975692252	47.64255	0.212809	0.21273	1.000368	0.317132	0.999277
0.863455	0.9735332	16.84153	0.180479	0.210343	0.858027	0.390878	0.999277
0.007078	0.127502089	115.777	-0.10999	0.184069	-0.59752	0.550157	0.999277
0.540003	0.873794135	27.33021	0.247024	0.216935	1.138701	0.254828	0.999277
0.318315	0.7500298	37.0563	0.099443	0.215948	0.460495	0.645161	0.999277
0.325785	0.754238284	71.14106	0.097215	0.204601	0.475147	0.634682	0.999277
0.078959	0.445187123	12.28355	-0.00308	0.183801	-0.01674	0.986644	0.999277
0.575836	0.890535872	127.2494	0.266766	0.191959	1.389701	0.16462	0.999277
0.248821	0.696015371	14.31942	0.047693	0.202996	0.234948	0.814249	0.999277
0.097126	0.4870882	92.52808	0.078841	0.192726	0.40908	0.682481	0.999277
0.21149	0.660664898	36.85111	0.047768	0.216411	0.22073	0.825302	0.999277
0.342971	0.765527629	13.65757	0.059962	0.200234	0.299458	0.764591	0.999277
0.042645	0.333357607	473.6943	0.019322	0.148178	0.130399	0.896251	0.999277
0.061683	0.399669219	43.17509	0.014508	0.215253	0.067402	0.946262	0.999277

0.339527	0.762766007	76.42396	0.124697	0.206827	0.602906	0.546571	0.999277
0.569472	0.888674368	11.85186	0.116576	0.19818	0.588234	0.556375	0.999277
0.914916	0.984247665	11.68228	0.207719	0.182087	1.140765	0.253968	0.999277
0.236838	0.685759421	302.3861	0.311675	0.15371	2.027684	0.042592	0.674178
0.16993	0.611307739	340.8258	0.094911	0.143932	0.659416	0.509629	0.999277
0.791536	0.954486972	311.9909	0.164825	0.156615	1.052421	0.292606	0.999277
0.65686	0.921230929	68.84166	0.244936	0.212653	1.151808	0.2494	0.999277
0.029844	0.277106591	12.14073	-0.05594	0.197838	-0.28278	0.777346	0.999277
0.990146	0.998538548	841.9967	0.193282	0.128744	1.501291	0.13328	0.959746
0.92871	0.985704596	94.00179	0.198938	0.193624	1.027447	0.30421	0.999277
0.796362	0.955633691	17.16167	0.158402	0.207422	0.76367	0.445064	0.999277
0.291667	0.731528087	36.40306	0.281838	0.216046	1.304528	0.192054	0.999277
0.229436	0.679572098	18.98246	0.025232	0.212925	0.118502	0.90567	0.999277
0.079226	0.445187123	59.55351	0.007972	0.20568	0.038761	0.969081	0.999277
0.200002	0.64716215	135.3527	0.30344	0.185349	1.637123	0.101605	0.899753
0.157484	0.596613791	105.259	0.043788	0.192513	0.227452	0.820072	0.999277
0.062982	0.404552685	37.85231	-0.0213	0.215478	-0.09884	0.921262	0.999277
0.366036	0.782722969	57.848	0.078637	0.20975	0.374905	0.707731	0.999277
0.146898	0.578377058	138.7831	0.062082	0.174398	0.355976	0.721859	0.999277
0.264179	0.707245544	38.98476	0.071926	0.215134	0.334329	0.738131	0.999277
0.208763	0.656907076	11.73614	0.038705	0.197672	0.195804	0.844764	0.999277
0.010593	0.158984594	32.16782	-0.04206	0.216895	-0.19392	0.846239	0.999277
0.604427	0.901615674	15.02491	0.114765	0.204924	0.560036	0.575455	0.999277
0.419743	0.811450072	542.0088	0.276575	0.152282	1.816203	0.069339	0.793294
0.538971	0.873794135	63.54814	0.151943	0.203178	0.747832	0.454561	0.999277
0.052186	0.370065367	37.36756	-0.05309	0.216957	-0.24469	0.806694	0.999277
0.03249	0.289526153	31.35889	-0.10153	0.216935	-0.46801	0.63978	0.999277
0.034572	0.300859743	16.76473	-0.04539	0.210084	-0.21607	0.828934	0.999277
0.072655	0.430201108	68.84111	-0.03648	0.201888	-0.18069	0.856609	0.999277
0.064906	0.410832827	303.6435	0.068758	0.149575	0.459687	0.645741	0.999277
0.210555	0.659576262	190.5033	0.081472	0.161334	0.504992	0.613565	0.999277
0.708075	0.93479128	39.23965	0.164085	0.215313	0.762075	0.446015	0.999277
0.564124	0.885572292	25.15771	0.109312	0.212604	0.514156	0.607143	0.999277
0.803005	0.957090635	207.335	0.170901	0.158741	1.076602	0.281658	0.999277
0.895861	0.980269739	55.0001	0.178885	0.209307	0.854653	0.392743	0.999277
8.57E-06	0.001435597	47.05577	-0.23148	0.213123	-1.08613	0.277423	0.999277
0.874711	0.975929662	108.6085	0.171537	0.188061	0.912134	0.361698	0.999277
0.943612	0.98909524	103.6542	0.178678	0.192185	0.92972	0.352516	0.999277
0.220317	0.671310521	50.64235	0.059825	0.211595	0.282731	0.777383	0.999277
0.005674	0.112454204	9.689765	-0.19559	0.187249	-1.04452	0.296244	0.999277
0.229677	0.679825262	36.32496	0.102874	0.215979	0.476313	0.633852	0.999277
0.92413	0.985704596	25.46072	0.178643	0.216364	0.82566	0.408997	0.999277
0.217335	0.667997063	13.45737	0.007821	0.20121	0.038869	0.968995	0.999277
0.284113	0.725104907	381.1137	0.062907	0.146143	0.430448	0.66687	0.999277
0.24283	0.689924162	17.43795	0.07133	0.209064	0.341188	0.732962	0.999277
0.095972	0.486139841	22.75716	-0.00892	0.215333	-0.04144	0.966947	0.999277
0.76025	0.945975258	52.91783	0.159768	0.211299	0.756126	0.449574	0.999277
0.063203	0.404949474	11.89901	-0.06205	0.195976	-0.31661	0.751542	0.999277
0.918401	0.984937437	308.7867	0.199156	0.151271	1.316551	0.187989	0.999277
0.007175	0.128218918	126.1245	-0.04988	0.184576	-0.27027	0.786955	0.999277
0.000837	0.033093416	77.85266	-0.19538	0.209396	-0.93309	0.350776	0.999277
0.0153	0.193857506	13.89424	-0.08061	0.202056	-0.39894	0.689941	0.999277

0.490066	0.85150948	31.86025	0.102665	0.216902	0.473325	0.635981	0.999277
0.12615	0.542724141	417.8108	0.347999	0.133582	2.605131	0.009184	0.378917
0.841611	0.966811735	58.57166	0.204389	0.207382	0.985567	0.324345	0.999277
0.340915	0.763821331	53.08283	0.277898	0.21424	1.297136	0.194584	0.999277
0.347436	0.769030666	121.3428	0.067655	0.208091	0.325121	0.74509	0.999277
0.241699	0.689435681	238.5413	0.255185	0.169365	1.506718	0.131883	0.957559
0.098446	0.490347179	17.55856	0.014876	0.20978	0.070911	0.943468	0.999277
0.985236	0.997549213	124.6787	0.189207	0.181677	1.041444	0.29767	0.999277
0.101732	0.497206985	14.31644	0.018914	0.199084	0.095003	0.924313	0.999277
0.257245	0.702471191	13.95847	0.047418	0.198965	0.238324	0.81163	0.999277
0.639328	0.913804175	39.55742	0.138137	0.217019	0.636521	0.524437	0.999277
0.538762	0.873794135	435.6926	0.140738	0.189228	0.743749	0.457028	0.999277
0.993199	0.998538548	102.7255	0.186741	0.189692	0.984445	0.324897	0.999277
0.53375	0.871787646	44.65325	0.268245	0.21541	1.245275	0.213031	0.999277
0.907547	0.982337683	8.664102	0.170324	0.166396	1.023605	0.306022	0.999277
0.356222	0.774871619	242.3184	0.270267	0.151648	1.782202	0.074716	0.810024
0.295901	0.735324226	63.74781	0.067537	0.212979	0.317108	0.751161	0.999277
0.710094	0.935155315	25.60156	0.226946	0.215993	1.050709	0.293392	0.999277
0.000999	0.036594267	83.96436	-0.21174	0.196495	-1.07759	0.281215	0.999277
0.594562	0.896527484	32.14571	0.147043	0.216826	0.678161	0.49767	0.999277
0.406031	0.801957174	89.97085	0.083985	0.193652	0.433689	0.664515	0.999277
0.622022	0.907988155	44.15486	0.222908	0.215504	1.034354	0.30097	0.999277
0.382849	0.790738618	24.72444	0.063992	0.216001	0.296261	0.767031	0.999277
0.198473	0.645340606	401.8237	0.075615	0.158938	0.475751	0.634252	0.999277
0.327468	0.754803522	23.50217	0.320367	0.214876	1.490941	0.135977	0.961317
0.909419	0.983107133	193.0833	0.176375	0.166184	1.061322	0.288544	0.999277
0.735301	0.938791295	43.28073	0.154125	0.213278	0.72265	0.469895	0.999277
0.061995	0.401295255	209.9023	0.079073	0.166834	0.473961	0.635527	0.999277
0.305421	0.741488163	638.8357	0.258541	0.127049	2.034979	0.041853	0.672512
0.989756	0.998538548	75.79413	0.186314	0.200981	0.927024	0.353914	0.999277
0.080122	0.447549	68.92239	-0.04418	0.202249	-0.21844	0.827089	0.999277
0.478553	0.844312989	13.82702	0.28823	0.183642	1.569521	0.116527	0.929931
0.721645	0.937346103	15.83937	0.139047	0.203396	0.683623	0.494213	0.999277
0.777175	0.950382298	14.64149	0.145659	0.20379	0.71475	0.474764	0.999277
0.193622	0.639447293	101.1515	0.043989	0.192615	0.228375	0.819355	0.999277
0.900514	0.981243428	908.5279	0.167459	0.121769	1.375214	0.169065	0.999277
0.211111	0.660253749	21.37932	0.05136	0.214042	0.239951	0.810368	0.999277
0.272727	0.715514773	62.19955	0.343582	0.211581	1.62388	0.104402	0.901603
0.653516	0.919811662	187.0256	0.217947	0.16678	1.306795	0.191282	0.999277
0.557653	0.882863308	266.0506	0.122557	0.149829	0.817981	0.413368	0.999277
0.811609	0.958640484	17.96163	0.149521	0.210826	0.709216	0.478191	0.999277
0.039264	0.32155264	166.0297	-0.01731	0.164091	-0.10552	0.915964	0.999277
0.604764	0.901816894	228.2899	0.230565	0.156597	1.472343	0.140928	0.97189
0.04576	0.344606106	10.28681	-0.10756	0.194314	-0.55356	0.579881	0.999277
0.868361	0.974598067	10.73961	0.205126	0.186922	1.097389	0.272471	0.999277
0.463247	0.835155013	84.85617	0.114051	0.197683	0.576936	0.563983	0.999277
0.047602	0.351153019	208.8359	0.055432	0.160497	0.345381	0.729808	0.999277
0.363846	0.781416284	457.7366	0.257387	0.212847	1.209256	0.226564	0.999277
0.808259	0.958353056	28.26278	0.156012	0.216227	0.721518	0.470591	0.999277
0.459362	0.832244861	114.8289	0.089324	0.191828	0.46565	0.641466	0.999277
0.561419	0.884546577	31.13108	0.240638	0.213746	1.125814	0.260244	0.999277
0.409692	0.803007486	16.06203	0.063837	0.208359	0.306379	0.759316	0.999277

0.092017	0.476370798	12.90956	-0.04207	0.199987	-0.21039	0.833367	0.999277
0.021627	0.23401794	176.2454	-0.07255	0.168413	-0.4308	0.666615	0.999277
0.730487	0.938791295	9.140494	0.135519	0.187007	0.724675	0.468652	0.999277
0.821692	0.96101795	50.38228	0.169731	0.214884	0.789876	0.4296	0.999277
0.158872	0.596830002	147.581	0.084896	0.177029	0.479559	0.631541	0.999277
0.702296	0.934077476	10.69546	0.134454	0.182053	0.738546	0.460183	0.999277
0.247897	0.695558724	96.67396	0.015134	0.188617	0.080234	0.936051	0.999277
0.812511	0.958720759	145.4394	0.157647	0.169448	0.930352	0.352189	0.999277
0.602822	0.900215646	8.738575	0.11554	0.187149	0.617371	0.53699	0.999277
0.003555	0.084333599	105.0087	-0.03263	0.186708	-0.17477	0.86126	0.999277
0.105953	0.504909551	12.19849	-0.0158	0.190947	-0.08277	0.934035	0.999277
0.434389	0.817774782	65.44931	0.083493	0.203047	0.411202	0.680925	0.999277
0.159167	0.596841784	27.73077	0.016073	0.216804	0.074136	0.940902	0.999277
0.582961	0.892926328	83.61402	0.23735	0.200512	1.183721	0.236523	0.999277
0.552249	0.880447357	48.79331	0.122532	0.212874	0.575606	0.564881	0.999277
0.690633	0.93167865	158.9645	0.222147	0.206216	1.077254	0.281367	0.999277
0.713217	0.935646775	298.9851	0.207425	0.150323	1.379861	0.167629	0.999277
0.241953	0.689488429	587.9604	0.059837	0.136475	0.438448	0.661062	0.999277
0.113118	0.518563319	570.0063	0.076788	0.125514	0.611793	0.540674	0.999277
0.275294	0.716915261	222.7189	0.111118	0.16369	0.678832	0.497244	0.999277
0.288654	0.728621266	316.7793	0.102202	0.139707	0.731547	0.464445	0.999277
0.005515	0.110519821	291.9987	-0.13506	0.161266	-0.83748	0.402325	0.999277
0.943201	0.988999744	41.1565	0.191239	0.216636	0.882768	0.377361	0.999277
0.390374	0.794805703	46.02756	0.089581	0.21419	0.41823	0.675779	0.999277
0.810236	0.958353056	28.08041	0.153106	0.215787	0.709525	0.477999	0.999277
0.171643	0.61337888	208.497	0.264554	0.168273	1.572167	0.115912	0.929931
0.180023	0.624218914	624.8147	0.279001	0.124356	2.243564	0.02486	0.549407
0.366231	0.782890582	133.3824	0.131993	0.177737	0.74263	0.457706	0.999277
0.152362	0.588279452	200.655	0.050666	0.158701	0.319256	0.749532	0.999277
0.48518	0.84842492	20.06759	0.116913	0.213915	0.54654	0.584695	0.999277
0.455586	0.829671446	110.1088	0.241294	0.187207	1.288913	0.197428	0.999277
0.533008	0.871743179	9.995884	0.091138	0.189937	0.47983	0.631348	0.999277
0.464614	0.835901401	92.54261	0.099114	0.195508	0.506959	0.612184	0.999277
0.118573	0.529026498	137.0302	0.025496	0.176203	0.144698	0.884949	0.999277
0.779129	0.951367798	9.353649	0.221497	0.181348	1.221389	0.221939	0.999277
0.352624	0.773559122	94.8842	0.284457	0.189495	1.501133	0.133321	0.959746
0.699649	0.933914128	51.63414	0.144101	0.209492	0.68786	0.491541	0.999277
0.67164	0.926476631	38.91626	0.211087	0.21566	0.978795	0.327681	0.999277
0.882511	0.976939501	13.66585	0.198906	0.187896	1.058598	0.289783	0.999277
0.612644	0.904985593	89.48884	0.231799	0.211763	1.094613	0.273686	0.999277
0.557417	0.882863308	137.4642	0.251413	0.180169	1.395426	0.162887	0.999277
0.591447	0.895697175	65.55944	0.13729	0.213874	0.641921	0.520924	0.999277
0.305648	0.741541601	34.99656	0.072805	0.217019	0.33548	0.737263	0.999277
0.419459	0.811420051	22.3263	0.099474	0.214714	0.463287	0.643159	0.999277
0.917441	0.98454795	35.97339	0.166339	0.212642	0.78225	0.434067	0.999277
0.576557	0.890535872	26.30542	0.099368	0.215849	0.460358	0.645259	0.999277
0.995683	0.998654685	96.05958	0.180472	0.189348	0.953125	0.340527	0.999277
0.648777	0.918471129	35.22877	0.231528	0.21638	1.070006	0.284616	0.999277
0.848402	0.968842937	65.35085	0.160179	0.205369	0.779957	0.435416	0.999277
0.162542	0.601189469	1861.504	0.306834	0.128761	2.382971	0.017174	0.480734
0.090387	0.473154352	153.9064	0.074789	0.180287	0.41483	0.678266	0.999277
0.321105	0.751482438	48.56453	0.2698	0.212194	1.27148	0.203558	0.999277

0.138219	0.566241658	64.16841	0.061252	0.203938	0.300347	0.763912	0.999277
0.140216	0.570712753	72.01418	0.313611	0.213278	1.470436	0.141444	0.97436
0.538741	0.873794135	237.5142	0.093578	0.1508	0.620543	0.5349	0.999277
0.715464	0.935646775	24.59159	0.12637	0.214359	0.589525	0.555509	0.999277
0.975242	0.996034757	477.806	0.182391	0.139899	1.303728	0.192326	0.999277
0.487647	0.850075728	424.9242	0.112038	0.138306	0.810076	0.417897	0.999277
0.027017	0.262366343	65.74949	-0.04918	0.207626	-0.23687	0.812758	0.999277
0.021215	0.231562844	380.1827	-0.03576	0.134019	-0.26686	0.789581	0.999277
0.434389	0.817774782	65.31849	0.079702	0.203079	0.392466	0.694714	0.999277
0.04209	0.332540301	27.75505	-0.02346	0.216751	-0.10825	0.913801	0.999277
0.206291	0.65381832	10.46855	0.005338	0.187941	0.028402	0.977341	0.999277
0.868328	0.974598067	11.07972	0.159966	0.19175	0.834243	0.404144	0.999277
0.887583	0.978595482	109.2799	0.160191	0.206215	0.776816	0.437267	0.999277
0.998331	0.998980571	57.58589	0.178475	0.211554	0.843636	0.398873	0.999277
0.018483	0.214650614	54.19051	-0.00417	0.212699	-0.01959	0.984373	0.999277
0.847058	0.968350774	45.53119	0.157625	0.212168	0.742927	0.457526	0.999277
0.992342	0.998538548	37.78324	0.177136	0.215934	0.820322	0.412033	0.999277
0.126704	0.54424251	187.038	0.000991	0.173439	0.005717	0.995439	0.999303
0.524326	0.867731197	27.74482	0.233782	0.216157	1.081538	0.279458	0.999277
0.401715	0.799749836	65.34498	0.251278	0.202138	1.243106	0.213829	0.999277
0.512844	0.861822466	670.9269	0.223806	0.121165	1.84712	0.06473	0.779285
0.829092	0.963218067	55.04529	0.153122	0.207777	0.736954	0.461151	0.999277
0.542944	0.875213603	521.9991	0.121167	0.121181	0.999883	0.317367	0.999277
0.394407	0.796259984	94.25438	0.062189	0.194204	0.320224	0.748799	0.999277
0.288882	0.728676762	50.26995	0.100749	0.212001	0.475231	0.634622	0.999277
0.689575	0.93158774	38.11818	0.206724	0.216021	0.956964	0.338586	0.999277
0.650676	0.91886709	309.9354	0.126792	0.144956	0.874694	0.38174	0.999277
0.507312	0.858749908	18.58631	0.103218	0.211106	0.488938	0.624886	0.999277
0.162473	0.601189469	9.247702	0.018834	0.184964	0.101826	0.918895	0.999277
0.982273	0.997345179	35.34539	0.180123	0.21692	0.830367	0.406331	0.999277
0.234244	0.683219522	11.99214	0.058049	0.196181	0.295895	0.76731	0.999277
0.063268	0.404949474	48.84385	0.047109	0.211486	0.222751	0.82373	0.999277
0.295774	0.73528146	14.54384	0.032215	0.203395	0.158385	0.874154	0.999277
0.496199	0.853814273	78.5502	0.275529	0.201948	1.364354	0.172456	0.999277
0.410032	0.803289237	41.07357	0.256781	0.216999	1.183326	0.23668	0.999277
0.35067	0.772225327	23.67606	0.080563	0.207473	0.388306	0.69779	0.999277
0.761681	0.946480442	19.7389	0.147375	0.211954	0.695314	0.486859	0.999277
0.627455	0.910068548	10.70289	0.119303	0.189426	0.629814	0.528816	0.999277
0.496589	0.853814273	671.8455	0.101469	0.156859	0.64688	0.517709	0.999277
0.300938	0.739126568	203.7755	0.080124	0.184124	0.435165	0.663443	0.999277
0.936346	0.986885744	183.5243	0.183122	0.19172	0.955155	0.339499	0.999277
0.018846	0.216060658	21.56259	-0.03852	0.212987	-0.18088	0.856462	0.999277
0.014229	0.186305786	42.05818	-0.09062	0.133021	-0.68127	0.4957	0.999277
0.65891	0.922096564	415.4211	0.229944	0.133835	1.718119	0.085775	0.84456
0.258071	0.702821884	702.9909	0.262961	0.121686	2.160978	0.030697	0.607634
0.437064	0.819027755	69.91015	0.222624	0.201954	1.102347	0.270311	0.999277
0.417666	0.809847715	35.38011	0.057063	0.216302	0.263814	0.791923	0.999277
0.136642	0.563112253	261.9647	0.049454	0.148067	0.333996	0.738382	0.999277
0.049282	0.358873755	198.2935	-0.11101	0.167493	-0.66275	0.507493	0.999277
0.028784	0.272686331	32.60713	-0.11171	0.217021	-0.51473	0.606741	0.999277
0.161484	0.600934292	72.06517	0.041631	0.211797	0.196562	0.84417	0.999277
0.228554	0.678012023	26.52749	0.008152	0.215428	0.037841	0.969814	0.999277

0.077183	0.440335591	10.03319	-0.04073	0.192328	-0.21178	0.83228	0.999277
0.354365	0.774326904	59.107	0.09025	0.207561	0.434813	0.663698	0.999277
0.925825	0.985704596	28.04731	0.188479	0.216605	0.870153	0.384217	0.999277
0.214255	0.664487944	14.16806	0.074252	0.203101	0.365592	0.71467	0.999277
0.385352	0.792576238	33.13465	0.054474	0.216563	0.25154	0.801396	0.999277
0.881854	0.97678025	415.7897	0.163104	0.168951	0.965391	0.334349	0.999277
0.081089	0.450318708	326.4598	-0.00583	0.145948	-0.03997	0.968117	0.999277
0.425054	0.814229635	46.85694	0.260005	0.214066	1.214604	0.224517	0.999277
0.310424	0.744596715	276.5073	0.047296	0.146948	0.321855	0.747563	0.999277
0.735242	0.938791295	188.8901	0.198222	0.177217	1.118524	0.263343	0.999277
0.000472	0.023195661	59.63222	-0.23759	0.211631	-1.12265	0.261588	0.999277
0.833133	0.964281445	99.69956	0.189155	0.18865	1.002676	0.316017	0.999277
0.08358	0.456095855	166.1569	0.338877	0.203772	1.663024	0.096308	0.889738
0.629519	0.910993455	167.4585	0.14836	0.164373	0.90258	0.366749	0.999277
0.789853	0.954486972	36.04969	0.147054	0.215994	0.680827	0.495981	0.999277
0.918196	0.98484315	855.6119	0.182339	0.14076	1.295391	0.195185	0.999277
0.012231	0.17168784	33.20155	-0.11532	0.216673	-0.53225	0.594555	0.999277
0.947011	0.990336113	44.9799	0.164649	0.21671	0.759767	0.447394	0.999277
0.609825	0.904018774	26.25313	0.101567	0.216099	0.470003	0.638353	0.999277
0.553745	0.881128175	9.706548	0.119231	0.191055	0.624069	0.532582	0.999277
0.470195	0.839917447	101.8842	0.084944	0.193588	0.438789	0.660814	0.999277
0.057845	0.388037243	20.32588	-0.10021	0.214216	-0.4678	0.639931	0.999277
0.927124	0.985704596	290.0731	0.182966	0.158341	1.155521	0.247877	0.999277
0.893954	0.979690542	79.91649	0.161553	0.197382	0.818481	0.413082	0.999277
0.585709	0.894063007	83.35514	0.23487	0.200356	1.172262	0.241092	0.999277
0.996235	0.998797671	89.82145	0.173713	0.205357	0.845906	0.397605	0.999277
0.072377	0.429217703	534.4795	0.038639	0.1324	0.291835	0.770413	0.999277
0.193148	0.639447293	172.3752	0.033652	0.164098	0.205072	0.837516	0.999277
0.93102	0.986301231	1245.603	0.180228	0.113806	1.583641	0.113276	0.925888
0.70289	0.934077476	78.78962	0.217944	0.203084	1.073173	0.283193	0.999277
0.562427	0.885010828	93.69689	0.129661	0.195092	0.664615	0.506297	0.999277
0.693729	0.932436528	14.12352	0.120116	0.197284	0.60885	0.542624	0.999277
0.075851	0.437735521	41.59276	0.037541	0.214986	0.174618	0.861379	0.999277
0.232003	0.681728291	30.22153	0.001058	0.216217	0.004891	0.996098	0.999339
0.321126	0.751482438	63.47123	0.058916	0.209128	0.281723	0.778156	0.999277
0.916814	0.98454795	46.00654	0.162473	0.21483	0.756289	0.449476	0.999277
0.945727	0.989708344	67.49816	0.182378	0.207599	0.878511	0.379666	0.999277
0.855474	0.970970725	68.53037	0.196002	0.205356	0.954448	0.339857	0.999277
0.590207	0.895584283	122.1209	0.227577	0.187813	1.211722	0.225619	0.999277
1.70E-05	0.00216581	133.5767	-0.04887	0.182507	-0.26778	0.788869	0.999277
0.829092	0.963218067	55.56862	0.148046	0.207471	0.713578	0.475488	0.999277
0.827553	0.962788513	161.091	0.187202	0.16779	1.115691	0.264554	0.999277
0.860597	0.972797288	66.69538	0.193468	0.207661	0.931653	0.351516	0.999277
0.203974	0.6521121	1707.69	0.086432	0.126015	0.685885	0.492785	0.999277
0.000135	0.010040562	93.76883	-0.11297	0.200911	-0.56231	0.573903	0.999277
0.286195	0.726741049	99.97986	0.067822	0.197056	0.344175	0.730715	0.999277
0.183021	0.629886351	24.12047	-0.01336	0.216145	-0.06182	0.950703	0.999277
0.79966	0.956574326	28.97804	0.144047	0.217021	0.663745	0.506853	0.999277
0.191214	0.638510137	139.7218	0.319571	0.187941	1.700378	0.08906	0.851686
0.864794	0.973827576	11.44291	0.149129	0.189203	0.788198	0.430581	0.999277
0.594011	0.896300491	382.7591	0.113106	0.174242	0.649133	0.516253	0.999277
0.885803	0.977748426	59.6847	0.156725	0.214092	0.732045	0.464141	0.999277

0.31122	0.745298012	26.61072	0.06911	0.215254	0.321062	0.748163	0.999277
0.907614	0.982337683	58.53379	0.15958	0.208955	0.763707	0.445042	0.999277
0.725204	0.938023838	176.5117	0.19024	0.163919	1.160572	0.245816	0.999277
0.045947	0.344757485	32.9473	-0.05429	0.216836	-0.25038	0.802295	0.999277
0.121494	0.534218212	43.85872	0.054865	0.216319	0.253632	0.79978	0.999277
0.123263	0.536346627	200.9484	-0.02625	0.171244	-0.15329	0.878172	0.999277
0.191768	0.638821592	207.1077	0.026939	0.192792	0.13973	0.888873	0.999277
0.357584	0.77605563	12.95828	0.037693	0.20011	0.188364	0.850592	0.999277
0.199843	0.64705387	16.56921	0.008592	0.201583	0.042624	0.966001	0.999277
0.269308	0.711994898	91.48047	0.093287	0.192415	0.484821	0.627803	0.999277
0.294441	0.733827953	66.75908	0.280643	0.203621	1.37826	0.168123	0.999277
0.399086	0.799428422	193.2471	0.111966	0.160654	0.69694	0.485841	0.999277
0.401715	0.799749836	65.72834	0.244369	0.201866	1.21055	0.226068	0.999277
0.01731	0.20475818	146.0121	-0.17028	0.191521	-0.88907	0.373963	0.999277
0.082106	0.452768273	15.32187	-0.03415	0.207491	-0.16457	0.869281	0.999277
0.017009	0.203603882	45.61144	-0.04673	0.214287	-0.21807	0.827375	0.999277
0.367786	0.783958055	110.3298	0.084058	0.187108	0.44925	0.653252	0.999277
0.00043	0.021762583	33.27191	-0.23584	0.216937	-1.08714	0.276974	0.999277
0.607918	0.903740551	102.5929	0.109889	0.190469	0.57694	0.56398	0.999277
0.609131	0.903795926	122.6608	0.244206	0.182947	1.334848	0.181926	0.999277
0.327942	0.754803522	122.6009	0.248539	0.185009	1.343392	0.179145	0.999277
0.209285	0.65808293	38.06073	0.041927	0.216988	0.193224	0.846783	0.999277
0.838851	0.965715652	64.4343	0.154355	0.206089	0.748973	0.453873	0.999277
0.640982	0.914411444	95.47469	0.113173	0.20078	0.563666	0.572982	0.999277
0.431555	0.816304844	176.0321	0.251152	0.182028	1.379747	0.167665	0.999277
0.095406	0.485498497	233.4532	0.330463	0.20039	1.649103	0.099127	0.89825
0.611101	0.904473039	33.61409	0.123697	0.216994	0.570048	0.568645	0.999277
0.759116	0.945577828	23.53541	0.204753	0.208636	0.981393	0.326399	0.999277
0.326411	0.754362047	40.32838	0.054624	0.215821	0.253097	0.800193	0.999277
0.043043	0.335092988	64.40441	-0.10854	0.203808	-0.53257	0.594332	0.999277
0.013453	0.1810944	93.11747	-0.1352	0.18882	-0.71601	0.473987	0.999277
0.38347	0.790738618	181.7295	0.233868	0.165222	1.415474	0.15693	0.996626
0.022863	0.241016941	9.394989	-0.1122	0.184294	-0.6088	0.542657	0.999277
0.624782	0.908090896	14.71149	0.111184	0.196608	0.568845	0.569461	0.999277
0.74339	0.940717284	44.85702	0.135252	0.21433	0.631042	0.528013	0.999277
0.005872	0.11400287	87.72767	-0.09687	0.192621	-0.5029	0.615034	0.999277
0.905625	0.982337683	29.15509	0.183998	0.216978	0.848003	0.396436	0.999277
0.012124	0.170952455	66.43411	-0.07173	0.20392	-0.35175	0.725027	0.999277
0.98589	0.997877146	73.16326	0.170781	0.202966	0.841423	0.400111	0.999277
0.95825	0.993016963	70.29668	0.164459	0.202855	0.810721	0.417526	0.999277
0.953806	0.992357094	43.68157	0.161389	0.216399	0.745793	0.455792	0.999277
0.206017	0.65381832	28.44815	0.01378	0.21658	0.063623	0.94927	0.999277
0.566439	0.887330286	144.7541	0.215932	0.17668	1.22216	0.221647	0.999277
0.160649	0.599495923	65.48367	0.020406	0.207666	0.098263	0.921724	0.999277
0.944402	0.989405716	13.30492	0.178649	0.200589	0.890624	0.373131	0.999277
0.222183	0.672473229	33.32734	0.044995	0.216862	0.207482	0.835633	0.999277
0.584286	0.893086908	38.29532	0.239519	0.216897	1.104302	0.269462	0.999277
0.431703	0.816304844	412.4293	0.210065	0.173805	1.208623	0.226808	0.999277
0.26395	0.706972283	14.05678	0.007925	0.202872	0.039065	0.968838	0.999277
0.686804	0.931172733	44.40131	0.20058	0.215028	0.932808	0.350919	0.999277
0.145755	0.575953236	16.28432	0.379785	0.19449	1.952725	0.050852	0.70821
0.066743	0.415041821	45.99843	0.041488	0.211808	0.195875	0.844708	0.999277

0.083586	0.456095855	51.7698	0.33876	0.211243	1.60365	0.108791	0.909828
0.567456	0.888146309	12.57453	0.232334	0.193503	1.200672	0.229879	0.999277
0.2173	0.667997063	18.38456	0.026519	0.211221	0.12555	0.900088	0.999277
0.533387	0.871779365	12.96078	0.089989	0.19985	0.450283	0.652506	0.999277
0.243998	0.691770968	111.2795	0.249188	0.193731	1.286259	0.198353	0.999277
0.652544	0.919811662	51.48472	0.206701	0.216659	0.954036	0.340065	0.999277
0.847072	0.968350774	77.1932	0.138766	0.197397	0.70298	0.482068	0.999277
0.636956	0.912683411	23.3516	0.110489	0.215785	0.512031	0.608629	0.999277
0.587782	0.894310786	44.11282	0.118204	0.215871	0.547569	0.583988	0.999277
0.331914	0.757999532	34.92832	0.025154	0.216599	0.11613	0.907549	0.999277
0.145586	0.575753135	37.38175	0.043041	0.216884	0.198451	0.842692	0.999277
0.441943	0.822000753	104.2643	0.120511	0.190954	0.6311	0.527975	0.999277
0.069546	0.422360631	32.94719	-0.0705	0.216956	-0.32494	0.745226	0.999277
0.492803	0.852802998	12.81169	0.067418	0.199243	0.338371	0.735083	0.999277
0.374095	0.787458382	40.00631	0.05438	0.215826	0.25196	0.801072	0.999277
0.770316	0.94929683	28.36719	0.125794	0.216914	0.579925	0.561965	0.999277
0.380962	0.790279608	23.80627	0.060101	0.209012	0.287549	0.773692	0.999277
0.943103	0.988974432	257.2098	0.174172	0.147649	1.179639	0.238144	0.999277
0.025773	0.256884138	449.4561	-0.05748	0.134596	-0.42708	0.669318	0.999277
0.031214	0.283484603	44.59129	-0.06045	0.216028	-0.27981	0.779622	0.999277
0.497037	0.853814273	82.74504	0.210536	0.198215	1.062159	0.288163	0.999277
0.625611	0.908394189	47.40528	0.097367	0.212273	0.458691	0.646456	0.999277
0.135758	0.561647732	379.1218	-0.01889	0.149195	-0.12664	0.899225	0.999277
0.87858	0.976223954	625.959	0.185087	0.119937	1.543194	0.122784	0.934442
0.498986	0.854405107	307.2123	0.215825	0.15636	1.380311	0.167491	0.999277
0.13798	0.565587606	282.9086	-0.0063	0.142585	-0.0442	0.964744	0.999277
0.099226	0.491241978	387.2557	0.038432	0.135761	0.283087	0.77711	0.999277
0.590789	0.895697175	25.206	0.097689	0.213753	0.457017	0.647659	0.999277
0.676429	0.927787926	86.8874	0.11197	0.1992	0.562097	0.57405	0.999277
0.38843	0.794025943	23.11972	0.039871	0.214515	0.185868	0.852548	0.999277
0.245224	0.693511647	113.0112	0.049052	0.181771	0.269853	0.787273	0.999277
0.423939	0.813996405	50.05695	0.058085	0.214516	0.270774	0.786565	0.999277
0.153645	0.590101439	10.42566	0.338937	0.187199	1.810573	0.070207	0.798817
0.795125	0.955450804	81.7876	0.191706	0.202294	0.94766	0.343302	0.999277
0.576295	0.890535872	15.31635	0.096191	0.202412	0.475224	0.634627	0.999277
0.385879	0.792576238	61.12775	0.06151	0.211192	0.291252	0.770858	0.999277
0.559829	0.88393878	75.99953	0.114238	0.21086	0.541773	0.587975	0.999277
0.351359	0.772978113	195.8358	0.058918	0.170383	0.345796	0.729496	0.999277
0.003423	0.082143882	47.99675	-0.09346	0.212225	-0.44037	0.659668	0.999277
0.339748	0.763006647	143.9413	0.099229	0.177036	0.560503	0.575136	0.999277
0.503457	0.856224864	286.2888	0.079652	0.170613	0.466857	0.640602	0.999277
0.561159	0.884505763	798.4051	0.119121	0.118393	1.006152	0.314342	0.999277
0.000199	0.012736172	858.7812	-0.17185	0.130955	-1.31231	0.189416	0.999277
0.713365	0.935646775	145.2584	0.188571	0.175201	1.076317	0.281786	0.999277
0.099122	0.491241978	943.2192	0.016924	0.145817	0.11606	0.907605	0.999277
0.468413	0.838975872	57.34846	0.226473	0.211518	1.070704	0.284303	0.999277
0.145159	0.575086942	319.345	0.055445	0.151915	0.364972	0.715133	0.999277
0.952801	0.992357094	105.303	0.155554	0.191036	0.814265	0.415493	0.999277
0.144944	0.574915868	158.3286	0.047218	0.175973	0.268325	0.788449	0.999277
0.053473	0.374910234	596.3672	-0.00404	0.123945	-0.03259	0.974004	0.999277
0.175042	0.617685473	111.444	0.342483	0.189496	1.807331	0.070711	0.800228
0.172164	0.613849437	28.91338	-0.01172	0.216995	-0.05399	0.956945	0.999277

0.498433	0.854020462	37.60036	0.242379	0.215754	1.123403	0.261266	0.999277
0.665755	0.925067398	533.6635	0.190516	0.121582	1.566983	0.117119	0.929931
0.489782	0.85150948	197.0474	0.077162	0.177041	0.435841	0.662952	0.999277
0.266116	0.709276629	117.8802	0.058323	0.182462	0.319644	0.749238	0.999277
0.781717	0.951692757	52.93992	0.129211	0.21483	0.601456	0.547536	0.999277
0.731907	0.938791295	73.26183	0.128748	0.211058	0.610013	0.541853	0.999277
0.044724	0.341612835	13.38436	-0.055	0.198661	-0.27683	0.781911	0.999277
0.115182	0.522715569	22.70986	0.002862	0.213572	0.013399	0.98931	0.999277
0.5684	0.888146309	67.18924	0.109714	0.20092	0.546057	0.585027	0.999277
0.917208	0.98454795	50.83108	0.170815	0.210668	0.810826	0.417465	0.999277
0.773528	0.949821182	11.49755	0.125116	0.182999	0.683696	0.494167	0.999277
0.308941	0.743403915	146.4719	0.053277	0.184486	0.288783	0.772748	0.999277
0.482083	0.846450746	151.6137	0.102824	0.172516	0.596023	0.55116	0.999277
0.595201	0.896659304	141.4474	0.085806	0.174284	0.492335	0.622483	0.999277
0.184473	0.631890551	182.6926	0.042008	0.167035	0.251495	0.801431	0.999277
0.319913	0.75070949	104.7625	0.042471	0.187596	0.226398	0.820892	0.999277
0.809859	0.958353056	112.8221	0.149025	0.186387	0.799547	0.423973	0.999277
0.181712	0.627796526	433.3907	0.07509	0.127847	0.58734	0.556975	0.999277
0.619228	0.907334933	15.20252	0.10445	0.205111	0.509235	0.610587	0.999277
0.284313	0.725104907	213.8539	0.062538	0.16102	0.388387	0.69773	0.999277
0.427158	0.814589985	27.72907	0.096575	0.216332	0.446421	0.655293	0.999277
0.341003	0.763821331	16.87172	0.023279	0.210472	0.110603	0.911931	0.999277
0.792696	0.955108134	38.0868	0.140389	0.216795	0.647566	0.517265	0.999277
0.748579	0.942119652	26.0981	0.129316	0.216841	0.596363	0.550933	0.999277
0.219811	0.670518506	77.95895	0.310983	0.208135	1.494137	0.13514	0.961317
0.018958	0.216959832	33.41056	0.359566	0.216603	1.660029	0.096909	0.890143
0.967789	0.9953403	59.74143	0.165407	0.210264	0.786665	0.431478	0.999277
0.578577	0.892245762	19.74731	0.107064	0.21329	0.501965	0.615692	0.999277
0.930613	0.986088155	364.5535	0.170182	0.137305	1.239443	0.215182	0.999277
0.946072	0.989708344	48.3285	0.154687	0.210756	0.733961	0.462973	0.999277
0.075065	0.435125142	31.05214	-0.04346	0.216886	-0.20036	0.841198	0.999277
0.790607	0.954486972	527.9915	0.182046	0.131009	1.389572	0.164659	0.999277
0.723089	0.937762828	98.40753	0.12402	0.191401	0.64796	0.517011	0.999277
0.741356	0.94054009	129.2811	0.198196	0.180393	1.098691	0.271903	0.999277
0.86629	0.974431862	119.1521	0.176019	0.179064	0.982997	0.325609	0.999277
0.025268	0.253953705	114.7005	-0.08116	0.184154	-0.44073	0.659408	0.999277
0.887984	0.978595482	24.53958	0.177116	0.214857	0.824344	0.409744	0.999277
0.003868	0.089612852	26.01276	-0.21911	0.216727	-1.01102	0.312008	0.999277
0.650355	0.91886709	32.66031	0.113283	0.216659	0.522862	0.601071	0.999277
0.433057	0.817148019	73.36338	0.218582	0.200421	1.090615	0.275442	0.999277
0.626313	0.909102733	90.70482	0.12979	0.19847	0.653951	0.513143	0.999277
0.007497	0.131193842	138.9959	0.359336	0.181068	1.98454	0.047196	0.690038
0.440589	0.821221377	181.0095	0.222634	0.177839	1.251886	0.210611	0.999277
0.724034	0.937851817	31.71564	0.115323	0.216986	0.531477	0.595088	0.999277
0.4017	0.799749836	43.1579	0.277077	0.215985	1.28285	0.199545	0.999277
0.642797	0.914852273	116.3919	0.107119	0.192077	0.557686	0.577059	0.999277
0.640068	0.914080615	95.99848	0.213506	0.191573	1.114491	0.265069	0.999277
0.903927	0.982298099	23.28303	0.14566	0.214525	0.678991	0.497144	0.999277
0.697015	0.933417775	210.0845	0.118338	0.160986	0.735082	0.46229	0.999277
0.489862	0.85150948	27.78815	0.215544	0.216935	0.993588	0.320424	0.999277
0.152532	0.588764738	24.06369	-0.04631	0.215821	-0.21458	0.830095	0.999277
0.311682	0.745302162	66.29539	0.282774	0.209411	1.350329	0.176911	0.999277

0.745543	0.941321938	47.0617	0.113612	0.215268	0.527769	0.59766	0.999277
0.912368	0.983953937	415.4067	0.147515	0.130389	1.131343	0.257911	0.999277
0.057418	0.38645833	53.36363	-0.00874	0.209162	-0.04177	0.966685	0.999277
0.62278	0.907988155	85.63587	0.094909	0.20736	0.457704	0.647165	0.999277
0.124087	0.538529622	140.6895	0.270221	0.185236	1.45879	0.144623	0.977082
0.346796	0.768352388	301.8004	0.063826	0.139731	0.456779	0.64783	0.999277
0.987482	0.998384791	120.1098	0.157518	0.208108	0.756907	0.449106	0.999277
0.859665	0.972502766	51.24615	0.175048	0.214075	0.817697	0.41353	0.999277
0.034565	0.300859743	340.8743	0.001487	0.144895	0.01026	0.991814	0.999277
0.263111	0.706507506	24.29352	0.318064	0.208134	1.528167	0.126471	0.94543
0.541364	0.874714072	234.5099	0.222497	0.162926	1.365629	0.172055	0.999277
0.368389	0.784241333	130.1146	0.26293	0.191517	1.372878	0.16979	0.999277
0.084835	0.459517368	43.72991	0.01596	0.213249	0.074842	0.94034	0.999277
0.414463	0.807887888	162.8024	0.091795	0.18011	0.509662	0.610288	0.999277
0.817277	0.959821979	32.12026	0.130586	0.216867	0.602151	0.547074	0.999277
0.738484	0.940125364	22.78006	0.125917	0.215677	0.583819	0.559342	0.999277
0.816355	0.959755385	111.6047	0.174844	0.184924	0.945492	0.344408	0.999277
0.391618	0.794949112	27.39837	0.25528	0.216777	1.177616	0.23895	0.999277
0.364766	0.781918746	231.5408	0.047061	0.152283	0.309038	0.757293	0.999277
0.076185	0.438192021	18.31741	-0.09909	0.212109	-0.46718	0.640369	0.999277
0.056036	0.382861867	30.37064	-0.10639	0.216987	-0.49032	0.623909	0.999277
0.166507	0.605328888	63.18873	0.309411	0.216523	1.428998	0.153005	0.990194
0.445747	0.824037121	20.69617	0.074092	0.212315	0.34897	0.727112	0.999277
0.158323	0.596830002	96.16503	-0.00591	0.18832	-0.03137	0.974978	0.999277
0.199837	0.64705387	18.26482	-0.02866	0.204046	-0.14045	0.888303	0.999277
0.675296	0.927604313	456.4921	0.116187	0.12777	0.909343	0.363169	0.999277
0.039326	0.321706009	23.09099	-0.04229	0.214247	-0.1974	0.843513	0.999277
0.762389	0.946665232	16.14697	0.117593	0.208367	0.564358	0.57251	0.999277
0.661475	0.923825455	471.0059	0.119463	0.124934	0.956213	0.338965	0.999277
0.357291	0.775785963	190.153	0.081432	0.166158	0.490085	0.624074	0.999277
0.941674	0.98856178	16.82922	0.149086	0.204751	0.728134	0.466531	0.999277
0.043779	0.337833053	9.195559	-0.10718	0.183133	-0.58526	0.55837	0.999277
0.646027	0.916536213	22.94047	0.11403	0.214308	0.532085	0.594667	0.999277
0.265183	0.708435983	101.6274	0.266937	0.200168	1.333568	0.182345	0.999277
0.664384	0.924678622	71.2664	0.103381	0.204586	0.505319	0.613335	0.999277
0.994047	0.998654685	68.91435	0.158628	0.201852	0.785861	0.431949	0.999277
0.662654	0.924602564	36.52544	0.187854	0.216297	0.868498	0.385122	0.999277
0.351768	0.773305507	15.92312	0.030307	0.204099	0.148492	0.881954	0.999277
0.770959	0.94929683	78.36989	0.199999	0.195961	1.020604	0.307442	0.999277
0.096804	0.486645207	38.51517	-0.07374	0.215284	-0.34254	0.731945	0.999277
0.905395	0.982337683	74.88901	0.149157	0.199887	0.746204	0.455544	0.999277
0.767128	0.948582884	59.27313	0.176642	0.207339	0.851947	0.394244	0.999277
0.770959	0.94929683	78.35214	0.199736	0.195904	1.019559	0.307938	0.999277
0.043973	0.337833053	225.8246	0.0201	0.155969	0.128869	0.897461	0.999277
0.348298	0.770174118	168.0742	0.04083	0.169432	0.240981	0.80957	0.999277
0.230789	0.680589817	99.74027	0.077678	0.199107	0.390129	0.696441	0.999277
0.993891	0.99861182	220.1488	0.156555	0.163411	0.958045	0.33804	0.999277
0.296246	0.735498118	281.0636	0.070855	0.157178	0.450793	0.652139	0.999277
0.5702	0.888935841	252.6598	0.110387	0.158013	0.698595	0.484805	0.999277
0.103435	0.499892244	44.66704	-0.01555	0.216604	-0.07181	0.942754	0.999277
0.920259	0.985704596	8.756105	0.142653	0.138273	1.03168	0.302222	0.999277
0.517716	0.863952116	42.47286	0.231138	0.216524	1.067492	0.28575	0.999277

0.551589	0.880267949	12.93184	0.076643	0.202723	0.378069	0.705379	0.999277
0.29817	0.736579797	38.48941	0.037748	0.216993	0.173962	0.861896	0.999277
0.92582	0.985704596	56.51047	0.170584	0.213514	0.798935	0.424328	0.999277
0.017039	0.203603882	857.2915	-0.01863	0.132095	-0.14105	0.887833	0.999277
0.185177	0.631890551	9.167737	-0.0289	0.189041	-0.15286	0.878507	0.999277
0.507443	0.858749908	11.13921	0.090492	0.195256	0.463453	0.64304	0.999277
0.811509	0.958640484	54.92347	0.126572	0.21591	0.586227	0.557723	0.999277
0.96632	0.994967341	39.12175	0.152244	0.217028	0.701497	0.482993	0.999277
0.797234	0.955972774	288.8744	0.13242	0.162135	0.816729	0.414083	0.999277
0.103985	0.501070833	18.60853	-0.07698	0.211835	-0.36337	0.716325	0.999277
0.64438	0.915153198	78.63498	0.118325	0.207305	0.57078	0.568149	0.999277
0.21492	0.665774183	55.69648	0.252588	0.209319	1.206718	0.227541	0.999277
0.314404	0.74740032	10.36098	0.302922	0.172674	1.754302	0.079379	0.825865
0.147832	0.579834611	24.75092	-0.05239	0.208933	-0.25073	0.802022	0.999277
0.299574	0.737986555	52.45909	0.081419	0.211312	0.385305	0.700011	0.999277
0.147362	0.578667199	10.4638	-0.02544	0.192316	-0.1323	0.894748	0.999277
0.180622	0.625809348	51.14514	0.057457	0.210412	0.273066	0.784802	0.999277
0.090596	0.473414303	10.31782	-0.07413	0.189766	-0.39066	0.696049	0.999277
0.179252	0.623409084	11.29209	-0.02598	0.195028	-0.13319	0.894045	0.999277
0.586151	0.894127733	264.3414	0.122371	0.15804	0.774304	0.438751	0.999277
0.042471	0.333068766	28.348	-0.02347	0.216998	-0.10814	0.913883	0.999277
0.667175	0.925067398	53.93746	0.206976	0.210547	0.983041	0.325587	0.999277
0.257875	0.702821884	38.43331	0.044477	0.214933	0.206936	0.83606	0.999277
0.958987	0.993223953	49.27494	0.162841	0.215985	0.753946	0.450881	0.999277
0.493666	0.85290268	24.85727	0.089413	0.216124	0.413712	0.679085	0.999277
0.782267	0.951981881	144.7974	0.123431	0.185184	0.666529	0.505073	0.999277
0.263428	0.706792356	139.4451	0.27771	0.179138	1.550262	0.121079	0.929931
0.093185	0.478749206	38.81989	0.29753	0.216455	1.374555	0.16927	0.999277
0.042779	0.333872248	66.93202	0.013298	0.202053	0.065817	0.947524	0.999277
0.706765	0.93479128	185.8938	0.116477	0.165896	0.702107	0.482612	0.999277
0.039069	0.321180879	8395.758	0.45594	0.197479	2.308796	0.020955	0.520955
0.137375	0.564491126	56.05177	-0.05914	0.212503	-0.2783	0.780783	0.999277
0.26383	0.706972283	68.17402	0.058375	0.203995	0.286161	0.774755	0.999277
0.059891	0.394700044	75.60769	-0.02356	0.198628	-0.11863	0.905568	0.999277
0.039975	0.324878518	569.9076	-0.07169	0.130524	-0.54926	0.58283	0.999277
0.75248	0.943652971	88.18335	0.12984	0.200953	0.646122	0.5182	0.999277
0.954279	0.992518125	77.35971	0.160772	0.208633	0.7706	0.440944	0.999277
0.129101	0.548333708	219.5832	0.019867	0.159971	0.124191	0.901164	0.999277
0.632027	0.911471704	19.51092	0.223824	0.206451	1.084149	0.278299	0.999277
0.497763	0.853814273	23.46255	0.063783	0.213467	0.298796	0.765096	0.999277
0.227711	0.67701004	14.8351	0.032745	0.206427	0.158628	0.873962	0.999277
0.921107	0.985704596	12.65737	0.165667	0.193706	0.85525	0.392413	0.999277
0.85802	0.972126647	126.5615	0.163278	0.180078	0.906709	0.364561	0.999277
0.092436	0.477433619	54.83881	-0.05264	0.211556	-0.2488	0.803514	0.999277
0.338188	0.760860289	307.3783	0.044802	0.141067	0.317592	0.750795	0.999277
0.465701	0.836748046	58.69906	0.100015	0.206082	0.485316	0.627452	0.999277
0.042912	0.334270518	195.7125	-0.08823	0.183305	-0.48131	0.630297	0.999277
0.390516	0.794805703	24.73267	0.039582	0.214077	0.184896	0.85331	0.999277
0.378517	0.789109046	13.76643	0.048563	0.20177	0.240683	0.809801	0.999277
0.009162	0.14613942	130.6681	-0.09742	0.175548	-0.55497	0.578914	0.999277
0.049514	0.359509058	114.1243	-0.00024	0.185474	-0.00132	0.998948	0.999986
0.435481	0.818141245	67.69722	0.200018	0.202004	0.990172	0.32209	0.999277

0.022649	0.240110536	66.18724	-0.14516	0.205433	-0.70662	0.479803	0.999277
0.402841	0.799980829	20.38201	0.063522	0.212568	0.298833	0.765068	0.999277
0.885336	0.977636737	10.68975	0.131698	0.183963	0.715893	0.474057	0.999277
0.050913	0.364803701	14.51297	-0.10512	0.20223	-0.5198	0.603206	0.999277
0.523001	0.867041719	118.3045	0.218759	0.187927	1.164064	0.244398	0.999277
0.908318	0.982479562	164.0577	0.162227	0.186561	0.869566	0.384537	0.999277
0.471889	0.841369349	134.7766	0.04709	0.186284	0.252786	0.800434	0.999277
0.904032	0.982298099	26.24538	0.13444	0.202886	0.662638	0.507562	0.999277
0.808824	0.958353056	80.08127	0.123931	0.196367	0.63112	0.527962	0.999277
0.236941	0.685801987	57.41503	0.018683	0.207971	0.089835	0.928418	0.999277
0.791538	0.954486972	9.633006	0.113977	0.180611	0.631062	0.528	0.999277
0.169071	0.609649656	36.21889	0.007296	0.215687	0.033826	0.973016	0.999277
0.870037	0.975011477	155.5824	0.137099	0.189614	0.723043	0.469654	0.999277
0.928421	0.985704596	18.68379	0.164129	0.19557	0.839233	0.401338	0.999277
0.010579	0.158984594	95.8311	-0.09423	0.19648	-0.47956	0.631537	0.999277
0.32909	0.755757664	19.96542	0.292897	0.210096	1.394111	0.163284	0.999277
3.68E-05	0.003868694	135.5119	-0.07957	0.175994	-0.45214	0.651169	0.999277
0.037125	0.312442923	11.23894	-0.13699	0.192388	-0.71207	0.476419	0.999277
0.516199	0.863162089	71.21458	0.101639	0.20243	0.502093	0.615602	0.999277
0.385821	0.792576238	51.2705	0.043807	0.216843	0.202021	0.8399	0.999277
0.531509	0.870719093	1958.896	0.104474	0.111179	0.939689	0.347377	0.999277
0.045121	0.342308082	134.8203	0.314501	0.172529	1.822887	0.06832	0.787274
0.382027	0.790738618	31.86974	0.082784	0.216553	0.382281	0.702253	0.999277
0.272588	0.715514773	22.2261	0.247093	0.213706	1.156229	0.247588	0.999277
0.209688	0.658575401	237.8435	0.023184	0.160128	0.144784	0.884881	0.999277
0.572692	0.88993891	392.7182	0.09393	0.136352	0.688878	0.4909	0.999277
0.325147	0.754238284	456.5915	0.092772	0.142432	0.65134	0.514827	0.999277
0.253465	0.699292059	197.6798	0.031226	0.166344	0.187719	0.851097	0.999277
0.572692	0.88993891	392.7341	0.093625	0.136231	0.687249	0.491926	0.999277
0.235423	0.68381144	97.60904	0.232264	0.190811	1.217243	0.223512	0.999277
0.08522	0.460072324	12.38836	-0.09933	0.188854	-0.52594	0.598927	0.999277
0.736391	0.939196077	37.21446	0.188454	0.215755	0.873463	0.382411	0.999277
0.354708	0.774326904	114.4912	0.044843	0.191214	0.234519	0.814582	0.999277
0.428986	0.815457184	28.13051	0.047077	0.216489	0.217455	0.827854	0.999277
0.789309	0.954486972	10.45244	0.113581	0.195353	0.581411	0.560964	0.999277
0.047099	0.349223915	9.663674	-0.05229	0.184215	-0.28383	0.776538	0.999277
0.709803	0.934993152	10.29024	0.101818	0.189098	0.538441	0.590273	0.999277
0.543392	0.875213603	9.853787	0.221173	0.183662	1.204239	0.228497	0.999277
0.996004	0.998768276	378.6821	0.150084	0.136817	1.096973	0.272653	0.999277
0.084835	0.459517368	44.28501	0.006089	0.213048	0.028581	0.977199	0.999277
0.108719	0.511167041	156.8232	-0.08431	0.170402	-0.49478	0.620758	0.999277
0.544139	0.875219687	43.88188	0.077149	0.21382	0.360814	0.718239	0.999277
0.474177	0.842005284	134.0603	0.191465	0.184423	1.038182	0.299185	0.999277
0.854264	0.970421812	23.74501	0.175419	0.207953	0.843549	0.398921	0.999277
0.239101	0.68795759	81.58643	0.05361	0.201411	0.266173	0.790106	0.999277
0.97878	0.996602004	11.46539	0.14522	0.18911	0.767913	0.442539	0.999277
0.332811	0.758643978	103.6992	0.051045	0.195558	0.261022	0.794075	0.999277
0.641945	0.914415801	32.45386	0.110268	0.215317	0.51212	0.608567	0.999277
0.086214	0.462935946	175.6053	-0.0114	0.164662	-0.06926	0.94478	0.999277
0.127769	0.547224767	296.2136	0.048966	0.142783	0.342941	0.731643	0.999277
0.530552	0.869947789	9.078833	0.064296	0.187014	0.343802	0.730995	0.999277
0.983045	0.997427682	36.40843	0.146412	0.216862	0.67514	0.499587	0.999277

0.418644	0.810634665	29.9112	0.067636	0.214856	0.314799	0.752914	0.999277
0.989789	0.998538548	29.88943	0.147116	0.217008	0.677929	0.497817	0.999277
0.308777	0.743403915	207.8806	0.289338	0.166824	1.734394	0.082848	0.83449
0.122169	0.535362129	10.22548	-0.07714	0.167449	-0.46066	0.645041	0.999277
0.679301	0.928687921	165.6913	0.100652	0.175801	0.572533	0.566961	0.999277
0.463747	0.835431694	210.5583	0.201688	0.186875	1.079267	0.280469	0.999277
0.634175	0.912411508	111.606	0.090687	0.196627	0.46121	0.644648	0.999277
0.547816	0.877280336	107.3262	0.091975	0.197775	0.46505	0.641896	0.999277
0.694506	0.932823683	14.44688	0.111147	0.204815	0.542673	0.587355	0.999277
0.24616	0.693889675	709.6799	0.006822	0.121981	0.055927	0.9554	0.999277
0.136501	0.563112253	24.89122	-0.05577	0.209924	-0.26567	0.790496	0.999277
0.331424	0.757439657	140.4647	0.080955	0.17635	0.459058	0.646192	0.999277
0.179441	0.623409084	12.05718	-0.01371	0.19238	-0.07128	0.943171	0.999277
0.540201	0.873794135	33.90216	0.068974	0.21692	0.317968	0.750509	0.999277
0.811007	0.958640484	68.06629	0.167987	0.204983	0.81952	0.41249	0.999277
0.731822	0.938791295	403.6597	0.195655	0.143159	1.366694	0.171721	0.999277
0.52147	0.866330057	18.1298	0.058985	0.212104	0.278095	0.780939	0.999277
0.518112	0.863995421	13.90316	0.053017	0.198904	0.266545	0.789819	0.999277
0.507294	0.858749908	3281.313	0.079446	0.108797	0.73022	0.465256	0.999277
0.227545	0.676810982	43.07706	-0.02931	0.213541	-0.13728	0.890811	0.999277
0.490898	0.852126386	55.97849	0.246974	0.216716	1.13962	0.254445	0.999277
0.38798	0.793592699	21.31783	0.043675	0.21397	0.204118	0.838261	0.999277
0.38798	0.793592699	21.31785	0.043675	0.21397	0.204117	0.838262	0.999277
0.391736	0.794949112	91.71897	0.058337	0.193223	0.301915	0.762717	0.999277
0.153727	0.590116182	23.36763	0.317369	0.21133	1.501768	0.133157	0.959746
1.61E-06	0.000421214	485.2536	-0.14081	0.141018	-0.99852	0.318026	0.999277
0.009079	0.145166593	92.37258	-0.08322	0.190823	-0.43611	0.662755	0.999277
0.323496	0.752685089	10.94034	0.00296	0.195892	0.015109	0.987945	0.999277
0.79982	0.956574326	301.5378	0.12375	0.143332	0.863376	0.387931	0.999277
0.709502	0.934928732	104.5731	0.118055	0.186172	0.634118	0.526004	0.999277
0.302866	0.739758551	9.442264	0.048799	0.190483	0.256185	0.797808	0.999277
0.77391	0.949821182	40.17162	0.112781	0.216591	0.520709	0.602569	0.999277
0.498258	0.854017559	73.37666	0.094058	0.200612	0.468858	0.639171	0.999277
0.124315	0.53891009	21.76614	-0.06874	0.214766	-0.32006	0.74892	0.999277
0.525674	0.868304398	76.76803	0.076546	0.198682	0.385271	0.700037	0.999277
0.141045	0.57119039	65.12972	-0.01583	0.201808	-0.07843	0.937482	0.999277
0.345121	0.76657301	16.07846	0.035035	0.207067	0.169196	0.865642	0.999277
0.23491	0.683219522	15.31926	0.041276	0.206577	0.199808	0.84163	0.999277
0.987794	0.998384791	71.34667	0.147359	0.208446	0.706944	0.479601	0.999277
0.265749	0.708960825	124.2674	0.031018	0.179952	0.172369	0.863147	0.999277
0.723559	0.937851817	35.18426	0.176837	0.216152	0.818117	0.41329	0.999277
0.849859	0.96939872	142.8433	0.171336	0.17625	0.972118	0.330992	0.999277
0.088542	0.46910051	128.6865	0.287202	0.183067	1.568834	0.116687	0.929931
0.829566	0.963218067	73.21221	0.12364	0.208472	0.593079	0.553128	0.999277
0.204792	0.652864071	122.7896	0.265434	0.197476	1.344136	0.178904	0.999277
0.132521	0.555040519	269.0423	-0.07044	0.167227	-0.42123	0.673584	0.999277
0.178127	0.621198638	144.3036	0.044484	0.174168	0.25541	0.798406	0.999277
0.881857	0.97678025	134.8808	0.128142	0.176726	0.725088	0.468398	0.999277
0.618988	0.907334933	30.30679	0.217517	0.217006	1.002358	0.316171	0.999277
0.308536	0.743099434	40.00023	0.000946	0.216987	0.00436	0.996521	0.999367
0.011143	0.163343338	110.2662	-0.03426	0.194324	-0.17628	0.860075	0.999277
0.369039	0.784717333	31.46691	0.246151	0.216987	1.134406	0.256624	0.999277

0.298945	0.737813021	591.5745	0.049956	0.132308	0.377573	0.705748	0.999277
0.857058	0.971778359	43.485	0.124173	0.214954	0.577673	0.563485	0.999277
0.958196	0.993016963	119.9193	0.139907	0.180204	0.776383	0.437523	0.999277
0.018839	0.216060658	63.5325	-0.06439	0.204164	-0.31538	0.752474	0.999277
0.791442	0.954486972	915.6148	0.109646	0.112273	0.976602	0.328766	0.999277
0.280092	0.721360425	12.5932	-0.00431	0.200855	-0.02148	0.982865	0.999277
0.736356	0.939196077	824.4398	0.109874	0.12104	0.907747	0.364012	0.999277
0.790904	0.954486972	59.76534	0.118828	0.216805	0.548086	0.583633	0.999277
0.030092	0.277985761	156.1784	-0.02745	0.17205	-0.15954	0.87324	0.999277
0.024862	0.251952108	175.863	-0.08227	0.174091	-0.47254	0.63654	0.999277
0.932581	0.986607773	115.1044	0.151345	0.188552	0.80267	0.422166	0.999277
0.819809	0.960194571	138.397	0.16905	0.184321	0.91715	0.359064	0.999277
0.787972	0.954146112	13.12291	0.174349	0.201431	0.865549	0.386737	0.999277
0.000165	0.011578541	72.81222	-0.09602	0.20725	-0.46329	0.643159	0.999277
0.621123	0.907988155	474.7476	0.104966	0.12984	0.808428	0.418844	0.999277
0.020276	0.225289861	35.77765	-0.05391	0.216188	-0.24937	0.803075	0.999277
0.321801	0.751750527	16.34896	0.010597	0.207618	0.05104	0.959293	0.999277
0.322297	0.751983433	71.56606	0.040588	0.201389	0.20154	0.840276	0.999277
0.929787	0.98582665	36.93999	0.133177	0.216013	0.616523	0.537549	0.999277
0.027282	0.263586645	61.75855	-0.02712	0.204464	-0.13263	0.894487	0.999277
0.448587	0.824927043	112.1903	0.056979	0.205334	0.277494	0.781401	0.999277
0.624632	0.908090896	24.42216	0.090303	0.215278	0.419472	0.674872	0.999277
0.575661	0.890535872	9.197662	0.077312	0.18865	0.409817	0.68194	0.999277
0.084677	0.459368307	255.4825	0.005044	0.152233	0.033133	0.973568	0.999277
0.376756	0.788552212	36.36109	0.046422	0.216261	0.214658	0.830034	0.999277
0.699883	0.933914128	221.9256	0.180314	0.166228	1.084739	0.278037	0.999277
0.585956	0.894127733	337.8533	0.086575	0.144316	0.599894	0.548577	0.999277
0.483716	0.847977761	215.8366	0.074833	0.161711	0.462756	0.643539	0.999277
0.100179	0.493095328	9.399492	-0.08012	0.183123	-0.43751	0.661738	0.999277
0.546024	0.876016244	291.7707	0.209334	0.148732	1.40746	0.159291	0.999277
0.886179	0.977921283	301.17	0.12383	0.156719	0.790145	0.429443	0.999277
0.185762	0.631890551	216.5673	-0.0002	0.172687	-0.00113	0.999098	0.999986
0.679442	0.928687921	156.7701	0.103677	0.169635	0.61118	0.54108	0.999277
0.035853	0.306225078	301.4731	-0.04192	0.14435	-0.29039	0.771515	0.999277
0.621492	0.907988155	446.7746	0.070964	0.161505	0.439389	0.660379	0.999277
0.050376	0.362810519	207.9217	-0.05709	0.160209	-0.35633	0.721591	0.999277
0.016668	0.202541861	126.1323	-0.15903	0.188177	-0.8451	0.398055	0.999277
0.587456	0.894310786	137.062	0.189466	0.182294	1.039342	0.298646	0.999277
0.794311	0.95537781	78.49943	0.167305	0.198181	0.844204	0.398555	0.999277
0.604973	0.902026501	13.9693	0.218037	0.203741	1.070168	0.284544	0.999277
0.514344	0.862555793	201.1405	0.056435	0.166975	0.337983	0.735376	0.999277
0.172745	0.61465782	29.36052	0.035148	0.216615	0.162262	0.8711	0.999277
0.164562	0.603971115	45.38784	-0.0443	0.21695	-0.20419	0.838202	0.999277
0.855662	0.971101991	41.09569	0.162524	0.215046	0.755763	0.449791	0.999277
0.515481	0.862922818	35.77489	0.078623	0.216965	0.362377	0.717107	0.999277
0.452965	0.827495884	78.34921	0.060526	0.201597	0.300233	0.763999	0.999277
0.839837	0.966267225	100.3453	0.163718	0.191097	0.856727	0.391596	0.999277
0.945033	0.989600487	233.077	0.13524	0.179926	0.75164	0.452267	0.999277
0.99205	0.998538548	88.77566	0.141215	0.194367	0.726538	0.467509	0.999277
0.501917	0.856224747	20.35386	0.08053	0.213927	0.376435	0.706594	0.999277
0.925555	0.985704596	35.61671	0.13295	0.216442	0.614252	0.539049	0.999277
0.983639	0.997439038	10.51747	0.138863	0.19361	0.717229	0.473233	0.999277

0.403923	0.800156836	282.5813	0.210165	0.144605	1.453376	0.146119	0.977082
0.050987	0.364803701	160.8582	-0.02354	0.168075	-0.14009	0.888593	0.999277
0.398388	0.798846944	198.5691	0.024649	0.202449	0.121753	0.903095	0.999277
0.788372	0.954284925	183.6071	0.114185	0.177858	0.641999	0.520874	0.999277
0.265571	0.708960825	53.73732	0.271758	0.216155	1.257234	0.208669	0.999277
0.386928	0.792934228	41.24529	0.206369	0.217005	0.950987	0.341611	0.999277
0.364	0.781495765	47.47192	0.248791	0.212488	1.170849	0.241659	0.999277
0.641208	0.914411444	1274.359	0.198473	0.116418	1.70483	0.088226	0.851686
0.242071	0.689488429	63.41427	0.286548	0.203244	1.409873	0.158577	0.999277
0.224338	0.674326176	112.372	0.231497	0.185657	1.246907	0.212431	0.999277
0.179253	0.623409084	12.34561	-0.02678	0.196038	-0.13662	0.891332	0.999277
0.677014	0.927787926	43.96954	0.175905	0.213164	0.825212	0.409251	0.999277
0.594159	0.896300491	13.41741	0.07318	0.202767	0.360909	0.718168	0.999277
0.836283	0.965088948	9.702862	0.116054	0.182841	0.634728	0.525606	0.999277
0.429084	0.815457184	61.35952	0.054598	0.206605	0.26426	0.791579	0.999277
0.413909	0.807542972	190.3584	0.075079	0.170803	0.439564	0.660253	0.999277
0.86148	0.97286097	31.39442	0.162712	0.216872	0.750269	0.453093	0.999277
0.492643	0.852802998	55.26181	0.082244	0.211452	0.388949	0.697314	0.999277
0.172049	0.613849437	116.8135	0.048879	0.188365	0.259493	0.795255	0.999277
0.86793	0.974472542	68.83741	0.125219	0.202289	0.619013	0.535908	0.999277
0.022396	0.238757587	91.59742	-0.08901	0.190327	-0.46768	0.640016	0.999277
0.395678	0.797110796	270.2061	0.052655	0.168556	0.312389	0.754745	0.999277
0.582346	0.892926328	46.25873	0.1936	0.214555	0.902334	0.36688	0.999277
0.300583	0.738861619	20.65231	0.237494	0.206987	1.147388	0.251221	0.999277
0.460899	0.833446605	94.61367	0.039573	0.188898	0.209494	0.834063	0.999277
0.611405	0.904554034	40.63339	0.176279	0.215296	0.818775	0.412915	0.999277
0.397792	0.798440835	172.3126	0.022419	0.171651	0.130607	0.896086	0.999277
0.756219	0.944670939	122.1615	0.110876	0.187368	0.591756	0.554014	0.999277
0.262454	0.705744981	148.3225	0.037296	0.178492	0.208949	0.834488	0.999277
0.977629	0.996413777	279.734	0.137159	0.207678	0.660441	0.508971	0.999277
0.890426	0.978648335	92.52047	0.154937	0.192187	0.806177	0.420141	0.999277
0.125452	0.541463398	124.9676	0.022114	0.188489	0.117325	0.906602	0.999277
0.734984	0.938791295	37.09253	0.102499	0.21638	0.473699	0.635715	0.999277
0.243467	0.690812704	148.6268	0.026758	0.179845	0.148783	0.881725	0.999277
0.317552	0.750019078	67.67097	0.050145	0.213288	0.235107	0.814126	0.999277
0.835276	0.964924162	312.4078	0.128166	0.148111	0.865337	0.386854	0.999277
0.756339	0.944670939	38.48151	0.106504	0.216904	0.491018	0.623414	0.999277
0.502184	0.856224747	314.5064	0.234057	0.170399	1.37358	0.169572	0.999277
0.113796	0.520150883	12.69821	-0.04064	0.196406	-0.20691	0.836078	0.999277
0.934853	0.986607773	29.34873	0.148524	0.217004	0.684428	0.493705	0.999277
0.283952	0.725004462	1050.582	0.058334	0.110402	0.528378	0.597237	0.999277
0.612986	0.905090002	63.31138	0.213181	0.211382	1.008511	0.313209	0.999277
0.003359	0.081303821	220.0765	-0.11394	0.153268	-0.74338	0.457249	0.999277
0.000388	0.020088507	792.2033	-0.18318	0.121242	-1.5109	0.130814	0.954087
0.699789	0.933914128	95.08068	0.084695	0.194358	0.435769	0.663004	0.999277
0.051145	0.365392144	131.908	-0.11997	0.185689	-0.6461	0.518211	0.999277
0.838308	0.96567072	17.88276	0.166073	0.211163	0.786468	0.431593	0.999277
0.305435	0.741488163	85.73475	-0.01018	0.194746	-0.05229	0.958298	0.999277
0.303775	0.739758551	9.01178	0.024883	0.18702	0.13305	0.894154	0.999277
0.43962	0.820655814	31.69185	0.244979	0.216733	1.130327	0.258339	0.999277
0.415593	0.808339941	34.03967	0.044246	0.216712	0.20417	0.838221	0.999277
0.43223	0.816304844	24.01079	0.024174	0.21087	0.114641	0.90873	0.999277

0.644874	0.915384904	27.65096	0.178638	0.216823	0.823889	0.410003	0.999277
0.864902	0.973827576	109.6366	0.128383	0.195228	0.657605	0.510792	0.999277
0.078305	0.443891664	35.15208	-0.04239	0.216283	-0.19598	0.844628	0.999277
0.663817	0.924678622	81.91557	0.079261	0.194209	0.408121	0.683185	0.999277
0.246082	0.693889675	25.07463	0.016936	0.216457	0.078242	0.937636	0.999277
0.413936	0.807542972	10.79075	0.025882	0.192123	0.134717	0.892836	0.999277
0.638565	0.913202151	90.32321	0.07614	0.208718	0.364797	0.715263	0.999277
0.334448	0.759008088	10.48975	0.007604	0.19052	0.039913	0.968162	0.999277
0.720917	0.936855244	81.60669	0.11754	0.194819	0.603328	0.54629	0.999277
0.343283	0.765527629	30.8875	0.02804	0.216964	0.12924	0.897167	0.999277
0.717966	0.935996695	44.98881	0.170958	0.21342	0.801041	0.423108	0.999277
0.111694	0.516972995	93.61615	0.339627	0.193522	1.754979	0.079263	0.825865
0.20402	0.6521121	67.50776	-0.00545	0.200746	-0.02716	0.978328	0.999277
0.387379	0.793285967	43.07653	0.046392	0.214122	0.216662	0.828472	0.999277
0.221516	0.671888004	439.1705	0.046242	0.126147	0.366576	0.713936	0.999277
0.504217	0.856836291	335.7119	0.188366	0.18857	0.998919	0.317834	0.999277
0.96973	0.99553873	16.50651	0.132241	0.204152	0.647759	0.517141	0.999277
0.903362	0.982046283	213.1899	0.12795	0.166496	0.768489	0.442197	0.999277
0.731299	0.938791295	25.35169	0.187607	0.216007	0.868522	0.385109	0.999277
0.640512	0.914323985	13.2396	0.091012	0.199205	0.456873	0.647762	0.999277
0.964573	0.994711448	150.0238	0.133303	0.199249	0.669024	0.50348	0.999277
0.539196	0.873794135	12.36647	0.067388	0.196161	0.343534	0.731197	0.999277
0.198852	0.645843496	175.0743	-0.02988	0.175519	-0.17024	0.864821	0.999277
0.02417	0.248526977	91.59209	-0.08405	0.201394	-0.41734	0.676429	0.999277
0.835889	0.965088948	231.8432	0.122341	0.151572	0.807149	0.419581	0.999277
0.928374	0.985704596	11.00557	0.125369	0.193284	0.648624	0.516582	0.999277
0.848934	0.96895219	8.769352	0.111288	0.184646	0.602706	0.546704	0.999277
0.794932	0.955450804	50.47591	0.105812	0.216846	0.487961	0.625577	0.999277
0.892166	0.979423868	75.55331	0.146217	0.204513	0.714954	0.474638	0.999277
0.303772	0.739758551	14.26854	-0.00115	0.201326	-0.00573	0.995425	0.999303
0.326262	0.754362047	28.96562	0.049236	0.216914	0.226984	0.820437	0.999277
0.990888	0.998538548	34.23114	0.138314	0.216808	0.637959	0.523501	0.999277
0.927858	0.985704596	36.38756	0.144226	0.216369	0.666577	0.505043	0.999277
0.52752	0.868821892	197.096	0.20852	0.166087	1.255489	0.209301	0.999277
0.144044	0.573945795	99.97713	0.244691	0.189486	1.291338	0.196586	0.999277
0.576176	0.890535872	28.76327	0.087689	0.217001	0.404094	0.686144	0.999277
0.059456	0.392821957	13.59579	-0.061	0.201709	-0.30243	0.762327	0.999277
0.866431	0.974471074	124.4155	0.120627	0.182315	0.661639	0.508202	0.999277
0.302873	0.739758551	1152.05	0.22783	0.13284	1.715073	0.086332	0.847035
0.051568	0.367401959	81.17545	-0.05448	0.196422	-0.27734	0.781516	0.999277
0.677014	0.927787926	43.85309	0.170511	0.213297	0.799408	0.424054	0.999277
0.300685	0.73896882	20.90424	0.26092	0.208891	1.249071	0.211639	0.999277
0.348293	0.770174118	211.9635	0.031009	0.165887	0.186928	0.851717	0.999277
0.369573	0.784800637	833.6424	0.19925	0.117086	1.701738	0.088805	0.851686
0.97507	0.996034757	590.9677	0.131528	0.123075	1.06868	0.285214	0.999277
0.056232	0.383299921	52.24744	0.328848	0.212109	1.550373	0.121052	0.929931
0.33166	0.757645795	13.35637	0.049117	0.203595	0.241246	0.809364	0.999277
0.021297	0.231825016	46.71072	-0.07159	0.213313	-0.3356	0.737169	0.999277
0.523439	0.867229944	201.8447	0.068228	0.159232	0.428483	0.6683	0.999277
0.69343	0.93240872	19.50097	0.190536	0.2103	0.906017	0.364927	0.999277
0.610788	0.904473039	190.566	0.076866	0.165683	0.463932	0.642696	0.999277
0.601924	0.89958899	155.8779	0.091827	0.177731	0.51666	0.605393	0.999277

0.762962	0.946679481	8.760577	0.179442	0.179619	0.999016	0.317787	0.999277
0.850262	0.969418159	48.54122	0.152625	0.214072	0.712962	0.475869	0.999277
0.03628	0.307345474	190.0397	-0.02945	0.171165	-0.17205	0.8634	0.999277
0.971312	0.99553873	14.02408	0.139475	0.200788	0.694638	0.487282	0.999277
0.006356	0.118991378	259.7565	-0.02317	0.148894	-0.15562	0.876334	0.999277
0.755295	0.94451048	58.02771	0.094419	0.211161	0.447142	0.654772	0.999277
0.268028	0.711565402	96.29669	0.057823	0.195658	0.29553	0.767589	0.999277
0.099898	0.493095328	19.63173	0.365006	0.210393	1.734876	0.082763	0.83449
0.616597	0.906747483	184.7173	0.064699	0.186122	0.347614	0.72813	0.999277
0.222212	0.672473229	18.14512	-0.00831	0.211284	-0.03933	0.968625	0.999277
0.074417	0.433401056	124.8954	-0.06145	0.178669	-0.34392	0.730907	0.999277
0.049003	0.357743546	252.6931	0.347159	0.162478	2.136648	0.032627	0.626799
0.313012	0.746673364	71.94774	0.035835	0.200423	0.178797	0.858097	0.999277
0.25554	0.701792046	52.53705	-0.03173	0.210693	-0.15062	0.880275	0.999277
0.608453	0.903795926	137.7282	0.096433	0.192857	0.500021	0.61706	0.999277
0.558053	0.882863308	81.36321	0.171021	0.195876	0.873106	0.382605	0.999277
0.623821	0.907988155	118.8984	0.203079	0.185934	1.092212	0.27474	0.999277
0.970734	0.99553873	79.3384	0.129488	0.205884	0.628937	0.52939	0.999277
0.720199	0.936468484	135.2868	0.178825	0.188314	0.949609	0.342311	0.999277
0.006009	0.115243778	68.6239	-0.14715	0.205719	-0.71531	0.474415	0.999277
0.969183	0.99553873	309.0248	0.131006	0.16555	0.791339	0.428746	0.999277
0.63906	0.913617196	10.56884	0.201595	0.190918	1.055922	0.291004	0.999277
0.998258	0.998980571	42.10396	0.133826	0.214828	0.622945	0.533321	0.999277
0.020961	0.229471922	179.5005	-0.09299	0.16921	-0.54956	0.582618	0.999277
0.017689	0.207776606	81.73826	0.336822	0.200885	1.676688	0.093603	0.877776
0.962166	0.994289023	64.02101	0.127577	0.204252	0.624607	0.532229	0.999277
0.051203	0.365418949	37.02912	-0.12376	0.216091	-0.57273	0.566824	0.999277
0.621716	0.907988155	16.86247	0.204015	0.196138	1.040157	0.298267	0.999277
0.842672	0.967115801	145.3136	0.111444	0.189512	0.588056	0.556495	0.999277
0.301851	0.739758551	107.5806	0.03164	0.197971	0.159819	0.873024	0.999277
0.193947	0.639447293	383.8181	-0.0162	0.154862	-0.1046	0.916695	0.999277
0.369942	0.784800637	325.4296	0.187647	0.142851	1.313585	0.188986	0.999277
0.56658	0.887446868	121.5934	0.075836	0.181865	0.416989	0.676686	0.999277
0.795699	0.95546283	135.1386	0.112203	0.17796	0.630497	0.528369	0.999277
0.162461	0.601189469	149.3473	0.008081	0.172115	0.046953	0.962551	0.999277
0.070275	0.424090446	41.93885	-0.11936	0.214314	-0.55693	0.577574	0.999277
0.006979	0.12590408	266.0374	0.525739	0.212531	2.473709	0.013372	0.43678
0.627668	0.91027914	14.36661	0.069108	0.201862	0.342355	0.732084	0.999277
0.575	0.890535872	15.10175	0.059585	0.206312	0.288809	0.772727	0.999277
0.027594	0.26535923	72.88908	-0.15111	0.20606	-0.73333	0.463359	0.999277
0.007661	0.132306073	42.23609	-0.25701	0.21522	-1.19415	0.232418	0.999277
0.799938	0.956574326	253.1106	0.16651	0.164604	1.011578	0.31174	0.999277
0.666964	0.925067398	19.03712	0.192076	0.211465	0.908311	0.363714	0.999277
0.830773	0.963218067	195.0471	0.119424	0.157825	0.756687	0.449237	0.999277
0.46323	0.835155013	72.08204	0.027525	0.200663	0.137172	0.890895	0.999277
0.401786	0.799749836	49.86418	0.051245	0.212799	0.240812	0.809701	0.999277
0.071624	0.427602729	125.8197	-0.02325	0.176176	-0.13195	0.895026	0.999277
0.015089	0.192641123	70.08668	-0.04879	0.200172	-0.24373	0.807438	0.999277
0.00785	0.134441014	1511.279	0.278743	0.114487	2.434706	0.014904	0.45844
0.815066	0.9594188	50.99835	0.151278	0.211809	0.71422	0.475091	0.999277
0.414039	0.807595867	17.94685	0.036761	0.211116	0.174125	0.861767	0.999277
0.253973	0.699971606	26.686	-0.0181	0.216889	-0.08347	0.933479	0.999277

0.541235	0.874705341	119.548	0.182099	0.186818	0.974741	0.329689	0.999277
0.71833	0.935996695	58.29476	0.087248	0.212894	0.409817	0.68194	0.999277
0.555096	0.881860015	124.8327	0.186059	0.178512	1.042277	0.297283	0.999277
0.384813	0.791962849	10.89419	0.242328	0.18387	1.31793	0.187527	0.999277
0.042856	0.334029729	27.56939	-0.02717	0.216451	-0.12552	0.900109	0.999277
0.372632	0.786633976	250.6346	0.196827	0.158298	1.243393	0.213723	0.999277
0.360794	0.778865787	22.51203	0.067735	0.214778	0.31537	0.752481	0.999277
0.477651	0.843541308	12.79986	0.031954	0.197243	0.162003	0.871304	0.999277
0.637007	0.912683411	34.20614	0.089612	0.216408	0.414089	0.678809	0.999277
0.380266	0.790279608	60.29325	0.009317	0.210897	0.044178	0.964762	0.999277
0.402731	0.799980829	130.0818	0.074835	0.176085	0.42499	0.670844	0.999277
0.7442	0.940717284	171.6104	0.176426	0.186058	0.948233	0.343011	0.999277
0.049902	0.361005205	397.2062	0.007868	0.144998	0.054262	0.956726	0.999277
0.371578	0.785869821	90.19636	0.052841	0.20568	0.256909	0.797249	0.999277
0.446836	0.824037121	395.2052	0.221951	0.171888	1.291258	0.196614	0.999277
0.929997	0.98582665	92.63736	0.141841	0.192199	0.737993	0.460519	0.999277
0.087011	0.464218963	78.20981	-0.00732	0.203009	-0.03608	0.971217	0.999277
0.790226	0.954486972	32.472	0.094059	0.216898	0.433653	0.66454	0.999277
0.830664	0.963218067	18.11492	0.16143	0.209269	0.771402	0.440469	0.999277
0.165505	0.604950098	58.97384	-0.00766	0.207467	-0.03692	0.97055	0.999277
0.416324	0.808586329	59.97066	0.06359	0.205952	0.308763	0.757501	0.999277
0.042143	0.332540301	438.1184	-0.00718	0.136574	-0.0526	0.958053	0.999277
0.317629	0.750019078	173.7575	0.00921	0.167729	0.054907	0.956212	0.999277
0.733488	0.938791295	82.06834	0.091223	0.205042	0.444899	0.656393	0.999277
0.566326	0.887313651	31.19141	0.181605	0.216974	0.83699	0.402598	0.999277
0.880238	0.97662978	979.1619	0.145602	0.116842	1.246145	0.212711	0.999277
0.09385	0.480647128	49.01852	-0.01454	0.211865	-0.06864	0.945277	0.999277
0.217508	0.6680438	104.6919	0.020935	0.190895	0.10967	0.912671	0.999277
0.81009	0.958353056	51.95129	0.154605	0.210245	0.735355	0.462123	0.999277
0.308646	0.743229119	22.39482	0.009626	0.215612	0.044646	0.964389	0.999277
0.671968	0.926476631	201.9611	0.171656	0.167962	1.021989	0.306786	0.999277
0.850418	0.969429639	26.94862	0.108476	0.216674	0.50064	0.616625	0.999277
0.065876	0.413509306	103.5202	-0.10278	0.187133	-0.54922	0.582851	0.999277
0.403265	0.800156836	631.2214	0.058477	0.119894	0.487739	0.625735	0.999277
0.299814	0.738050287	55.46926	0.049183	0.211897	0.232107	0.816455	0.999277
0.003298	0.08062079	51.46748	-0.28045	0.212455	-1.32004	0.186823	0.999277
0.548927	0.878215662	163.4044	0.063716	0.186704	0.341269	0.732901	0.999277
0.122628	0.535500153	10.95381	-0.08204	0.196291	-0.41795	0.675984	0.999277
0.42146	0.812024774	47.41128	0.222649	0.215021	1.035474	0.300447	0.999277
0.962967	0.994289023	16.48915	0.132459	0.199646	0.663467	0.507032	0.999277
0.337853	0.760667525	287.7997	0.032945	0.143488	0.229602	0.818401	0.999277
0.685048	0.931172733	121.2458	0.170183	0.186856	0.910771	0.362416	0.999277
0.650556	0.91886709	370.1407	0.106226	0.15225	0.69771	0.485359	0.999277
0.929475	0.98582665	27.69291	0.121533	0.216454	0.561473	0.574475	0.999277
0.309195	0.743522207	13.2547	-0.01154	0.202584	-0.05699	0.954555	0.999277
0.99318	0.998538548	104.7657	0.128479	0.186324	0.689549	0.490478	0.999277
0.191511	0.638563236	29.05084	-0.02024	0.21698	-0.09326	0.925697	0.999277
0.064829	0.410694195	136.4938	-0.03499	0.176412	-0.19832	0.842791	0.999277
0.759346	0.945577828	141.9179	0.093975	0.178913	0.525253	0.599407	0.999277
0.426243	0.814589985	120.9196	0.217408	0.19735	1.101633	0.270621	0.999277
0.507952	0.85889821	245.2194	0.191701	0.149264	1.284306	0.199035	0.999277
0.977391	0.996394356	27.00907	0.131162	0.216663	0.60537	0.544933	0.999277

0.475376	0.842414553	289.6878	0.184597	0.151788	1.216153	0.223927	0.999277
0.897325	0.980346413	41.019	0.140863	0.214427	0.656929	0.511227	0.999277
0.004941	0.102718532	59.30922	-0.09308	0.207353	-0.4489	0.6535	0.999277
0.73224	0.938791295	107.3622	0.096311	0.193447	0.497869	0.618577	0.999277
0.440622	0.821221377	8.762117	0.023742	0.187007	0.126955	0.898976	0.999277
0.861711	0.97286097	13.40355	0.102006	0.199817	0.510497	0.609703	0.999277
0.303579	0.739758551	177.7452	-0.01391	0.18259	-0.07616	0.939289	0.999277
0.286901	0.727292174	15.42335	-0.01254	0.205535	-0.06101	0.951354	0.999277
0.282851	0.723889658	15.91642	-0.02293	0.209009	-0.10973	0.912622	0.999277
0.661415	0.923825455	39.32584	0.164974	0.216452	0.762171	0.445958	0.999277
0.672753	0.926890265	46.5333	0.176663	0.215031	0.821568	0.411323	0.999277
0.959674	0.993414205	33.56067	0.121184	0.216447	0.559877	0.575564	0.999277
0.26017	0.704211455	191.9955	0.21628	0.17154	1.260814	0.207376	0.999277
0.892965	0.979423868	124.3573	0.139072	0.202416	0.687063	0.492043	0.999277
0.084109	0.457758486	486.2239	0.032535	0.125856	0.258506	0.796016	0.999277
0.07685	0.439936777	268.7963	-0.04855	0.171602	-0.28292	0.777242	0.999277
0.620726	0.9077947	228.1948	0.089183	0.151167	0.589964	0.555215	0.999277
0.627374	0.910068548	113.5912	0.194113	0.182353	1.06449	0.287107	0.999277
0.278803	0.720991002	30.27861	-0.02477	0.216956	-0.11417	0.909106	0.999277
0.920603	0.985704596	143.37	0.115697	0.177279	0.652629	0.513996	0.999277
0.022788	0.240413525	24.2556	-0.13793	0.214014	-0.64451	0.519245	0.999277
0.214598	0.665397638	46.67137	-0.02304	0.212024	-0.10866	0.913473	0.999277
0.460516	0.833091581	80.77805	0.180119	0.199687	0.902003	0.367055	0.999277
0.324927	0.754224459	16.47118	0.008469	0.209844	0.040358	0.967808	0.999277
0.995184	0.998654685	52.96366	0.124923	0.212285	0.58847	0.556217	0.999277
0.579407	0.892778779	135.7471	0.171629	0.181404	0.946113	0.344091	0.999277
0.68481	0.931172733	256.7346	0.085639	0.149191	0.574024	0.565951	0.999277
0.333002	0.758647824	315.8549	0.045097	0.137497	0.327986	0.742922	0.999277
0.907299	0.982337683	56.13941	0.116428	0.207496	0.56111	0.574722	0.999277
0.475067	0.842372801	72.78617	0.082753	0.201375	0.410938	0.681118	0.999277
0.842284	0.967031656	71.30959	0.108532	0.203855	0.532395	0.594452	0.999277
0.838541	0.96567072	196.9005	0.137681	0.159645	0.86242	0.388456	0.999277
0.515219	0.862902266	76.27463	0.191543	0.199369	0.960747	0.33668	0.999277
0.132562	0.555040519	53.57841	0.299067	0.209875	1.424978	0.154163	0.990194
0.045053	0.342308082	1066.452	-0.10808	0.114565	-0.94336	0.345499	0.999277
0.926865	0.985704596	61.00936	0.115788	0.206186	0.561569	0.57441	0.999277
0.643073	0.914852273	36.64401	0.0746	0.216534	0.344519	0.730456	0.999277
0.344298	0.766294086	141.4536	0.041313	0.173427	0.238215	0.811714	0.999277
0.534944	0.872130388	75.60454	0.066002	0.200576	0.329062	0.742109	0.999277
0.719744	0.936421107	80.37744	0.159012	0.203519	0.781312	0.434619	0.999277
0.800204	0.956574326	11.15352	0.087821	0.190195	0.461741	0.644267	0.999277
0.707937	0.93479128	178.6122	0.070107	0.164329	0.426626	0.669652	0.999277
0.307127	0.743099434	29.74594	0.002305	0.216995	0.010621	0.991526	0.999277
0.752352	0.943581659	23.83432	0.091343	0.213228	0.428382	0.668373	0.999277
0.552371	0.880461322	234.293	0.168062	0.175608	0.957028	0.338553	0.999277
0.206713	0.654151363	83.96621	0.013593	0.196741	0.069092	0.944916	0.999277
0.777209	0.950382298	63.71953	0.093075	0.20642	0.450901	0.652061	0.999277
0.482275	0.846450746	1846.925	0.225893	0.120139	1.880269	0.060071	0.758835
0.96128	0.994289023	77.02653	0.129617	0.200882	0.64524	0.518772	0.999277
0.269954	0.712997018	34.65358	0.222383	0.216316	1.028051	0.303926	0.999277
0.407959	0.802350555	215.9901	0.056873	0.16648	0.34162	0.732637	0.999277
0.137515	0.564546975	34.10497	-0.06919	0.216569	-0.3195	0.749347	0.999277

0.953544	0.992357094	56.54524	0.11791	0.207958	0.566988	0.570722	0.999277
0.965258	0.994841882	181.334	0.119471	0.173339	0.689231	0.490678	0.999277
0.302966	0.739758551	13.2154	-0.02558	0.199599	-0.12814	0.89804	0.999277
0.502632	0.856224864	36.98976	0.050641	0.2167	0.23369	0.815225	0.999277
0.360872	0.778907724	18.0651	-0.00389	0.206286	-0.01886	0.984951	0.999277
0.856968	0.971766934	114.4706	0.140736	0.184596	0.762399	0.445822	0.999277
0.303547	0.739758551	87.70551	0.209344	0.196084	1.067623	0.285691	0.999277
0.466122	0.836798902	34.60361	0.047334	0.216319	0.218818	0.826792	0.999277
0.37552	0.787930192	79.21541	0.180696	0.198121	0.912051	0.361742	0.999277
0.473597	0.841899731	94.52647	0.036866	0.201624	0.182845	0.854919	0.999277
0.852125	0.969800108	405.2536	0.105273	0.133095	0.790962	0.428966	0.999277
0.584369	0.893086908	88.47846	0.185094	0.191137	0.968384	0.332852	0.999277
0.08917	0.47037753	26.34988	-0.06571	0.209702	-0.31335	0.754017	0.999277
0.751329	0.942829196	18.54619	0.080796	0.210812	0.383259	0.701527	0.999277
0.13294	0.555792434	58.4664	-0.09599	0.217006	-0.44235	0.658237	0.999277
0.240217	0.688236474	221.3529	0.041418	0.16229	0.25521	0.798561	0.999277
0.551555	0.880267949	38.02743	0.035871	0.215569	0.166401	0.867841	0.999277
0.508294	0.858925869	18.0066	0.057461	0.211746	0.271367	0.786109	0.999277
0.428907	0.815457184	13.1536	0.040559	0.187723	0.216059	0.828942	0.999277
0.75415	0.943985595	786.8316	0.081875	0.13889	0.589494	0.55553	0.999277
0.669752	0.925330569	39.89755	0.085932	0.215028	0.399631	0.689428	0.999277
0.934769	0.986607773	15.36597	0.113128	0.206315	0.548326	0.583468	0.999277
0.007549	0.131385984	22.12452	-0.25691	0.214885	-1.19555	0.231872	0.999277
0.308358	0.743099434	81.78718	0.218186	0.197679	1.10374	0.269706	0.999277
0.086158	0.462935946	236.4843	-0.02823	0.16493	-0.17118	0.86408	0.999277
0.225636	0.675194667	29.29188	-0.03222	0.216987	-0.14848	0.881962	0.999277
0.921088	0.985704596	9.217728	0.136091	0.177836	0.765265	0.444114	0.999277
0.633479	0.912379595	35.26192	0.078577	0.215988	0.363804	0.716004	0.999277
0.79429	0.95537781	89.33029	0.09789	0.192149	0.50945	0.610437	0.999277
0.945587	0.989708344	61.63076	0.114389	0.212194	0.539079	0.589832	0.999277
0.010105	0.154189183	65.5375	-0.20948	0.205521	-1.01927	0.308075	0.999277
0.580517	0.892820666	24.00606	0.073667	0.214029	0.344192	0.730702	0.999277
0.92533	0.985704596	61.36098	0.108324	0.213788	0.506689	0.612373	0.999277
0.831414	0.963528861	41.42784	0.100762	0.21501	0.468636	0.63933	0.999277
0.335592	0.759008088	196.0028	0.048684	0.162104	0.300324	0.76393	0.999277
0.839332	0.965936836	47.64077	0.09239	0.216822	0.426111	0.670027	0.999277
0.015973	0.198240169	195.0788	-0.03337	0.162577	-0.20524	0.837384	0.999277
0.442628	0.822412917	15.71482	0.048377	0.208756	0.231742	0.816739	0.999277
0.184648	0.631890551	615.1789	-0.0175	0.123901	-0.14128	0.887653	0.999277
0.757065	0.945084702	195.721	0.084466	0.158534	0.532795	0.594176	0.999277
0.5062	0.858350969	48.0574	0.196981	0.213247	0.923723	0.35563	0.999277
0.765105	0.947560599	33.64644	0.101312	0.216965	0.466948	0.640537	0.999277
0.50136	0.856224747	149.492	0.065369	0.17917	0.364842	0.71523	0.999277
0.91402	0.983953937	265.7891	0.110821	0.153465	0.722124	0.470218	0.999277
0.793401	0.955328559	34.0422	0.095144	0.2169	0.438653	0.660913	0.999277
0.878448	0.976223954	22.5422	0.103851	0.215029	0.482965	0.629121	0.999277
0.939114	0.987896639	23.3975	0.129878	0.213838	0.607366	0.543608	0.999277
0.675921	0.927604313	138.1563	0.084934	0.174579	0.486505	0.626609	0.999277
0.690616	0.93167865	153.2466	0.096777	0.173486	0.557839	0.576954	0.999277
0.253841	0.699751257	202.2249	0.009919	0.165905	0.059786	0.952326	0.999277
0.049428	0.359100452	29.50391	-0.10861	0.217008	-0.5005	0.616725	0.999277
0.852747	0.969800108	111.9709	0.108908	0.183781	0.592597	0.553451	0.999277

0.003089	0.076900586	21.17468	-0.1923	0.21412	-0.89808	0.36914	0.999277
0.501802	0.856224747	40.99534	0.062327	0.214252	0.290904	0.771125	0.999277
0.693002	0.932282511	11.18215	0.071299	0.189056	0.377131	0.706076	0.999277
0.249971	0.696989768	145.9018	0.021193	0.174946	0.121139	0.903581	0.999277
0.248103	0.69561779	56.21001	0.014063	0.208523	0.067443	0.946229	0.999277
0.456563	0.830662914	37.22229	0.216607	0.215752	1.003966	0.315395	0.999277
0.48989	0.85150948	11.89372	0.043218	0.193499	0.223348	0.823264	0.999277
0.711057	0.935646775	53.83903	0.080412	0.212307	0.378752	0.704872	0.999277
1.89E-07	8.69E-05	302.1835	-0.35971	0.150822	-2.385	0.017079	0.47977
0.633522	0.912379595	133.8102	0.077915	0.178394	0.436757	0.662288	0.999277
0.398051	0.798670341	558.1893	0.042684	0.130814	0.326299	0.744198	0.999277
0.14323	0.572261075	38.92455	-0.06393	0.216513	-0.29527	0.767791	0.999277
0.013248	0.179926318	14.20187	-0.1645	0.202676	-0.81164	0.416997	0.999277
0.41887	0.810866163	102.0671	0.193802	0.190121	1.01936	0.308032	0.999277
0.566263	0.887313651	108.4506	0.063946	0.188759	0.33877	0.734783	0.999277
0.444894	0.823581052	14.61514	0.011233	0.204729	0.054866	0.956246	0.999277
0.20488	0.652989119	907.2196	0.249515	0.13426	1.858452	0.063105	0.772973
0.745845	0.941321938	57.0266	0.156865	0.208562	0.75213	0.451973	0.999277
0.094605	0.48394528	642.7842	-0.04245	0.140788	-0.30149	0.76304	0.999277
0.519984	0.86522748	388.5909	0.198536	0.141171	1.406352	0.15962	0.999277
0.288996	0.728676762	157.9421	-0.03144	0.173214	-0.18152	0.855962	0.999277
0.294972	0.734108082	430.0652	0.033751	0.129721	0.260184	0.794721	0.999277
0.886867	0.97827644	16.16205	0.136438	0.209133	0.652398	0.514144	0.999277
0.695631	0.933115203	25.63686	0.066069	0.216292	0.305461	0.760015	0.999277
0.275853	0.717658148	253.5264	0.222052	0.178523	1.243832	0.213561	0.999277
0.249142	0.696015371	93.53274	-0.00561	0.190316	-0.0295	0.976464	0.999277
0.686067	0.931172733	69.98235	0.147704	0.200978	0.734927	0.462384	0.999277
0.657873	0.921507968	76.37768	0.173369	0.197434	0.878114	0.379882	0.999277
0.803317	0.957127223	12.89182	0.153323	0.189524	0.808989	0.418522	0.999277
0.413913	0.807542972	121.9599	0.015927	0.180587	0.088198	0.929719	0.999277
0.375597	0.787930192	723.7566	0.198619	0.115886	1.71392	0.086543	0.847035
0.286419	0.726761168	26.50653	0.25558	0.216393	1.181091	0.237567	0.999277
0.70278	0.934077476	215.0665	0.095235	0.155502	0.612436	0.540249	0.999277
0.020429	0.22605689	286.4388	-0.05356	0.150489	-0.35588	0.721933	0.999277
0.108068	0.510417982	10.28413	-0.07289	0.188749	-0.38617	0.699374	0.999277
0.675303	0.927604313	49.03684	0.171712	0.216587	0.79281	0.427888	0.999277
0.902867	0.98194044	781.8876	0.126433	0.117973	1.071712	0.28385	0.999277
0.159015	0.596830002	607.7649	0.033923	0.128066	0.264887	0.791096	0.999277
0.599505	0.898925427	49.33096	0.162438	0.214512	0.757247	0.448902	0.999277
0.386765	0.79280619	148.3234	0.176895	0.175923	1.005524	0.314645	0.999277
0.275088	0.716915261	13.02309	-0.03658	0.201989	-0.18109	0.856295	0.999277
0.245299	0.693511647	196.7516	0.216444	0.167497	1.292226	0.196279	0.999277
0.567868	0.888146309	49.0517	0.198308	0.215761	0.919109	0.358039	0.999277
0.711058	0.935646775	53.90221	0.081531	0.209344	0.38946	0.696936	0.999277
0.763508	0.946824068	93.80185	0.16232	0.189994	0.854344	0.392915	0.999277
0.686006	0.931172733	43.46232	0.16998	0.214549	0.792268	0.428204	0.999277
0.619461	0.907334933	304.7063	0.158053	0.147096	1.074484	0.282606	0.999277
0.512939	0.861822466	13.25007	0.042546	0.203009	0.209576	0.833999	0.999277
0.975062	0.996034757	58.51895	0.114071	0.212527	0.536737	0.59145	0.999277
0.580485	0.892820666	24.26246	0.067764	0.216238	0.313377	0.753994	0.999277
0.991516	0.998538548	52.21235	0.119205	0.214981	0.554493	0.579242	0.999277
0.787772	0.954125065	10.81653	0.155151	0.186636	0.831304	0.405802	0.999277

0.119719	0.531654923	16.89113	-0.04868	0.207882	-0.23418	0.814849	0.999277
0.763193	0.946679481	38.46643	0.148132	0.216433	0.684425	0.493707	0.999277
0.034946	0.302936396	39.42175	-0.09251	0.21539	-0.4295	0.667563	0.999277
0.186417	0.632742223	307.154	-0.00156	0.162013	-0.00965	0.992298	0.999277
0.936526	0.986885744	14.66779	0.128158	0.204552	0.626533	0.530965	0.999277
0.029475	0.275559843	92.23352	-0.03339	0.199256	-0.16758	0.866913	0.999277
0.101759	0.497206985	44.14494	-0.06338	0.214839	-0.29499	0.768	0.999277
0.237339	0.68594709	117.4809	-0.02979	0.182319	-0.16338	0.870215	0.999277
0.038237	0.317660416	29.00465	-0.04595	0.216697	-0.21204	0.832079	0.999277
0.894232	0.979690542	32.4193	0.102366	0.216919	0.471911	0.636991	0.999277
0.767481	0.948582884	34.34663	0.087177	0.216527	0.402614	0.687233	0.999277
0.70324	0.934077476	243.5622	0.068612	0.149718	0.458276	0.646754	0.999277
0.756401	0.944670939	310.3597	0.150608	0.14652	1.027897	0.303998	0.999277
0.318673	0.75032045	1360.005	0.233049	0.105976	2.199071	0.027873	0.586257
0.246525	0.694623975	48.04772	-0.04237	0.213102	-0.19882	0.842403	0.999277
0.880604	0.97662978	179.879	0.128103	0.184343	0.694915	0.487108	0.999277
0.4845	0.84842492	50.22368	0.17422	0.214023	0.814025	0.41563	0.999277
0.941122	0.988214221	26.68041	0.124557	0.216747	0.574666	0.565517	0.999277
0.93292	0.986607773	498.8059	0.126303	0.132167	0.955633	0.339258	0.999277
0.69599	0.933215429	151.7986	0.071977	0.171313	0.420149	0.674377	0.999277
0.055725	0.381596676	196.9437	0.379215	0.178015	2.13024	0.033152	0.632021
0.157704	0.596629211	136.837	0.016753	0.2022	0.082852	0.93397	0.999277
0.955338	0.992623776	29.29071	0.120819	0.216859	0.557132	0.577438	0.999277
0.81271	0.958740885	620.7793	0.097409	0.121946	0.798785	0.424415	0.999277
0.807728	0.958353056	45.98063	0.095834	0.214495	0.446787	0.655029	0.999277
0.122412	0.535500153	75.48228	-0.00265	0.197861	-0.01339	0.98932	0.999277
0.668387	0.925067398	188.6586	0.153625	0.160297	0.958379	0.337872	0.999277
0.437865	0.819206029	24.50861	0.211711	0.215863	0.980766	0.326708	0.999277
0.686067	0.931172733	70.49881	0.144015	0.200948	0.716678	0.473573	0.999277
0.383627	0.790738618	182.6637	0.049484	0.163867	0.301977	0.76267	0.999277
0.650433	0.91886709	203.5053	0.149859	0.164815	0.909254	0.363216	0.999277
0.391099	0.794949112	10.74339	0.006595	0.187576	0.035157	0.971954	0.999277
0.648303	0.918363176	16.73291	0.057371	0.207786	0.276109	0.782464	0.999277
0.650707	0.91886709	386.2812	0.142812	0.134924	1.058467	0.289843	0.999277
0.960524	0.993937723	10.79282	0.109356	0.189292	0.577709	0.563461	0.999277
0.446317	0.824037121	97.26032	0.179231	0.187885	0.953945	0.340112	0.999277
0.548164	0.877474855	45.80909	0.166742	0.214621	0.776914	0.43721	0.999277
0.203142	0.650551727	309.7875	0.224353	0.148435	1.511458	0.130672	0.954087
0.864154	0.973827576	225.2525	0.104474	0.152775	0.68384	0.494076	0.999277
0.390864	0.794949112	62.94217	0.017489	0.214761	0.081436	0.935095	0.999277
0.969489	0.99553873	307.8765	0.111118	0.16028	0.693273	0.488138	0.999277
0.60173	0.899470672	32.82488	0.039599	0.21699	0.18249	0.855198	0.999277
0.241623	0.689435681	34.67597	0.01672	0.21687	0.077098	0.938546	0.999277
0.322351	0.751983433	212.6385	0.198584	0.158778	1.250701	0.211044	0.999277
0.822061	0.96103601	471.4423	0.135132	0.127388	1.060791	0.288785	0.999277
0.07956	0.446274965	124.9585	0.222067	0.188504	1.178047	0.238778	0.999277
0.932329	0.986607773	42.80336	0.103177	0.214649	0.480676	0.630747	0.999277
0.077997	0.442523002	97.01422	0.258721	0.190246	1.359934	0.173851	0.999277
0.086898	0.464218963	41.41936	-0.05365	0.215021	-0.24953	0.802952	0.999277
0.395307	0.796836245	297.7151	0.04087	0.140184	0.291544	0.770635	0.999277
0.460683	0.833168286	14.71252	0.033853	0.204471	0.165564	0.8685	0.999277
0.543977	0.875213603	11.6601	0.048586	0.193558	0.251015	0.801803	0.999277

0.783238	0.952710845	69.0449	0.147086	0.203214	0.723801	0.469188	0.999277
0.674423	0.927604313	157.4402	0.173899	0.177861	0.977727	0.328209	0.999277
0.906127	0.982337683	91.22895	0.101959	0.195021	0.522809	0.601107	0.999277
0.237231	0.685884173	265.012	0.226693	0.149885	1.512439	0.130422	0.954087
0.000676	0.028954808	628.7222	-0.14833	0.137739	-1.07692	0.281516	0.999277
0.17403	0.61639086	571.2967	-0.05292	0.143442	-0.36896	0.712155	0.999277
0.01287	0.1766324	34.95674	-0.07752	0.216967	-0.35731	0.720863	0.999277
0.095409	0.485498497	310.6799	-0.10035	0.144606	-0.69394	0.487718	0.999277
0.856279	0.971471954	93.57826	0.09694	0.203842	0.475564	0.634385	0.999277
0.8451	0.967742485	55.4124	0.095024	0.208033	0.456772	0.647835	0.999277
0.182183	0.628287094	254.0679	-0.03915	0.154969	-0.25264	0.800543	0.999277
0.350923	0.772528395	265.515	0.203844	0.149835	1.360452	0.173687	0.999277
0.580929	0.892820666	63.55666	0.154325	0.210254	0.733994	0.462953	0.999277
0.185441	0.631890551	297.1188	0.240584	0.163736	1.469341	0.14174	0.97436
0.261058	0.704534574	374.1325	-0.01037	0.133291	-0.07782	0.937968	0.999277
0.156448	0.595337949	55.57122	-0.02528	0.208012	-0.12152	0.90328	0.999277
0.571805	0.889585318	100.4109	0.06988	0.188898	0.369937	0.71143	0.999277
0.733372	0.938791295	135.2196	0.072183	0.17789	0.405773	0.68491	0.999277
0.837745	0.965547986	42.58662	0.139359	0.217031	0.642114	0.520799	0.999277
0.385079	0.792388399	140.1126	0.033587	0.187952	0.178701	0.858173	0.999277
0.337501	0.760158764	43.71651	0.003197	0.214992	0.014869	0.988137	0.999277
0.427227	0.814589985	129.7903	0.203954	0.176134	1.157948	0.246885	0.999277
0.526857	0.868304398	211.022	0.170824	0.167043	1.022638	0.306479	0.999277
0.075851	0.437735521	70.46292	0.269041	0.213258	1.261575	0.207102	0.999277
0.074948	0.434822105	65.88597	-0.0693	0.2027	-0.34187	0.732449	0.999277
0.550526	0.879406992	273.8809	0.167997	0.14633	1.148068	0.25094	0.999277
0.105631	0.504407272	42.21158	-0.03771	0.214432	-0.17584	0.860416	0.999277
0.905226	0.982337683	56.01879	0.098242	0.212391	0.462554	0.643684	0.999277
0.671768	0.926476631	43.4477	0.074725	0.213697	0.349679	0.72658	0.999277
0.59408	0.896300491	26.53648	0.175974	0.207213	0.849244	0.395745	0.999277
0.921233	0.985704596	38.38793	0.124749	0.216942	0.575034	0.565268	0.999277
0.652355	0.919811662	604.7368	0.073813	0.128698	0.573537	0.566281	0.999277
0.0065	0.120841551	105.2752	-0.16019	0.191958	-0.83453	0.403983	0.999277
0.757674	0.945201458	21.2971	0.084126	0.209255	0.402026	0.687665	0.999277
0.213732	0.663635764	9.406268	-0.06801	0.190891	-0.3563	0.72162	0.999277
0.561061	0.884505763	10.27488	0.034785	0.192911	0.180317	0.856904	0.999277
0.032835	0.290469142	34.62302	-0.11217	0.216462	-0.51821	0.604313	0.999277
0.278952	0.720991002	75.95147	0.002761	0.197413	0.013986	0.988841	0.999277
0.060379	0.396425247	41.91255	-0.16181	0.214119	-0.75568	0.44984	0.999277
0.656354	0.920963494	204.8672	0.176991	0.159336	1.110807	0.266652	0.999277
0.465689	0.836748046	27.02597	0.045413	0.2169	0.209373	0.834157	0.999277
0.236063	0.684925496	46.2712	0.031863	0.212127	0.150208	0.8806	0.999277
0.995601	0.998654685	246.9437	0.112245	0.153389	0.731763	0.464313	0.999277
0.487909	0.850257924	55.45062	0.025561	0.213408	0.119776	0.904661	0.999277
0.096435	0.486524812	66.48866	0.298701	0.204528	1.460443	0.144168	0.977082
0.216091	0.667087859	238.1407	0.226705	0.176863	1.28181	0.199909	0.999277
0.27063	0.713936353	31.22828	0.001652	0.216985	0.007614	0.993925	0.999277
0.170401	0.611542694	154.8345	-0.04081	0.176008	-0.23189	0.816623	0.999277
0.391008	0.794949112	36.59917	0.236307	0.20992	1.125702	0.260292	0.999277
0.006242	0.11793375	1203.317	-0.26552	0.135686	-1.9569	0.050359	0.705752
0.049233	0.358832275	51.66529	-0.05556	0.211445	-0.26277	0.792726	0.999277
0.79083	0.954486972	141.1944	0.135041	0.181131	0.74554	0.455945	0.999277

0.972683	0.995768532	79.47707	0.107338	0.199915	0.536919	0.591324	0.999277
0.101678	0.497206985	99.54191	-0.08713	0.192666	-0.45222	0.651112	0.999277
0.959075	0.993223953	18.37633	0.118268	0.182607	0.647661	0.517204	0.999277
0.138451	0.566309547	31.58203	0.308711	0.216615	1.425163	0.15411	0.990194
0.034986	0.303080624	205.3341	-0.03958	0.162371	-0.24379	0.807392	0.999277
0.495602	0.853814273	48.31282	0.029714	0.211827	0.140273	0.888444	0.999277
0.531744	0.870719093	116.9023	0.021432	0.184166	0.116373	0.907357	0.999277
0.026465	0.259611524	166.9262	-0.08746	0.169141	-0.51706	0.605117	0.999277
0.659938	0.922888851	71.66647	0.13907	0.199878	0.695777	0.486569	0.999277
0.954662	0.992605014	17.21573	0.103217	0.209031	0.493788	0.621456	0.999277
0.866324	0.974431862	11.54645	0.092176	0.198639	0.464039	0.64262	0.999277
0.244995	0.693511647	130.7961	-0.00056	0.177514	-0.00315	0.997489	0.999942
0.921186	0.985704596	245.7044	0.120821	0.166697	0.724792	0.468579	0.999277
0.047967	0.352878821	51.32913	-0.1761	0.214978	-0.81916	0.412693	0.999277
0.526429	0.868304398	46.12714	0.167094	0.215902	0.773933	0.43897	0.999277
0.449387	0.825288156	106.5317	0.034521	0.188381	0.18325	0.854602	0.999277
0.671308	0.926357318	108.0032	0.067792	0.189857	0.357068	0.721041	0.999277
0.902469	0.981785171	99.95977	0.125911	0.196486	0.640812	0.521645	0.999277
0.851438	0.96960608	133.3752	0.137515	0.176122	0.780793	0.434924	0.999277
0.158233	0.596830002	18.43201	-0.07202	0.209201	-0.34427	0.730642	0.999277
0.446251	0.824037121	11.74277	0.212793	0.18514	1.149364	0.250406	0.999277
0.796405	0.955633691	45.1493	0.084437	0.216677	0.389692	0.696764	0.999277
0.048781	0.356386431	29.09504	-0.15674	0.216774	-0.72305	0.469649	0.999277
0.510883	0.860852133	107.3541	0.013951	0.189086	0.073779	0.941186	0.999277
0.425967	0.814589985	329.1338	0.167971	0.155469	1.080409	0.27996	0.999277
0.749794	0.942353483	68.91371	0.137066	0.215057	0.637348	0.523898	0.999277
0.035082	0.303099049	162.0045	0.290604	0.178442	1.628563	0.103406	0.899761
5.40E-06	0.001045739	309.8164	-0.18798	0.161285	-1.16551	0.243812	0.999277
0.849968	0.96939872	43.08374	0.087665	0.213538	0.410536	0.681413	0.999277
0.073261	0.431176533	62.09017	-0.11813	0.203383	-0.58081	0.561367	0.999277
0.682073	0.929953423	392.0429	0.062598	0.132379	0.472871	0.636305	0.999277
0.288441	0.728621266	81.03832	0.01623	0.196846	0.082451	0.934288	0.999277
0.704965	0.934710222	30.1543	0.158579	0.216031	0.734059	0.462913	0.999277
0.303622	0.739758551	35.61564	0.218321	0.216711	1.007429	0.313728	0.999277
0.690828	0.93167865	10.79185	0.052222	0.182988	0.285383	0.775351	0.999277
0.990433	0.998538548	99.85267	0.110711	0.196054	0.564694	0.572282	0.999277
0.599502	0.898925427	341.7493	0.064904	0.151401	0.428693	0.668147	0.999277
0.664994	0.925057641	65.96851	0.07265	0.202411	0.358925	0.719651	0.999277
0.007873	0.134441014	116.1165	-0.10574	0.181567	-0.58235	0.560331	0.999277
0.114924	0.522571385	448.4734	-0.02956	0.131519	-0.22477	0.82216	0.999277
0.266158	0.709276629	352.5616	0.225368	0.159715	1.411067	0.158225	0.999277
0.134272	0.558568523	64.52482	-0.06788	0.206399	-0.32885	0.742266	0.999277
0.583483	0.892957253	433.9537	0.18356	0.13445	1.365264	0.17217	0.999277
0.959413	0.993298498	104.3703	0.104325	0.19573	0.533007	0.594028	0.999277
0.459798	0.832372815	266.2692	0.071674	0.152699	0.469384	0.638795	0.999277
0.541371	0.874714072	57.91799	0.171999	0.214817	0.80068	0.423317	0.999277
0.988123	0.998384791	15.58399	0.107325	0.20402	0.526052	0.598852	0.999277
0.569853	0.888935841	91.89497	0.155192	0.191706	0.809534	0.418208	0.999277
0.103094	0.499892244	31.54909	-0.05986	0.216914	-0.27597	0.782572	0.999277
0.28076	0.721618953	16.16553	-0.04845	0.20805	-0.2329	0.81584	0.999277
0.433845	0.817250644	140.9242	0.220725	0.177458	1.243811	0.213569	0.999277
0.022517	0.23982491	127.3397	-0.10465	0.178043	-0.58777	0.556688	0.999277

0.1304	0.550675537	147.973	-0.0321	0.182597	-0.17581	0.860445	0.999277
0.513119	0.861882292	8.786594	0.013873	0.187958	0.073811	0.941161	0.999277
0.663599	0.924678622	79.08582	0.144111	0.204906	0.703304	0.481867	0.999277
0.923576	0.985704596	66.12967	0.116989	0.20348	0.574942	0.56533	0.999277
0.168901	0.609422997	19.92215	-0.08192	0.204775	-0.40006	0.689115	0.999277
0.24616	0.693889675	214.9902	-0.01922	0.163856	-0.11727	0.906645	0.999277
0.871848	0.975692252	94.15747	0.127433	0.196961	0.646996	0.517635	0.999277
0.695341	0.933115203	110.2082	0.077058	0.191149	0.403132	0.686851	0.999277
0.364392	0.781659031	11.49098	-0.02377	0.198001	-0.12007	0.904431	0.999277
0.520904	0.8658198	184.5251	0.151029	0.163984	0.920998	0.357052	0.999277
0.210427	0.659576262	12.67	-0.01932	0.198307	-0.09743	0.922384	0.999277
0.548126	0.877474855	186.1452	0.155602	0.170809	0.91097	0.362311	0.999277
0.273115	0.715828844	46.6246	-0.0522	0.213689	-0.24429	0.807009	0.999277
0.201763	0.649558046	24.82423	-0.02656	0.216461	-0.12271	0.90234	0.999277
0.574668	0.890535872	40.51621	0.050945	0.214175	0.237866	0.811985	0.999277
0.923557	0.985704596	183.4036	0.114384	0.179527	0.63714	0.524034	0.999277
0.433464	0.817250644	12.13756	-0.00102	0.198796	-0.00513	0.995903	0.999303
0.060411	0.396425247	172.0018	0.273869	0.166193	1.647897	0.099374	0.899753
0.132332	0.555028301	206.1129	-0.01031	0.165083	-0.06248	0.950178	0.999277
0.769341	0.94929683	1069.059	0.126867	0.11494	1.103761	0.269697	0.999277
0.621387	0.907988155	26.09363	0.173313	0.215554	0.804035	0.421377	0.999277
0.848642	0.968842937	26.38969	0.122567	0.216254	0.566773	0.570868	0.999277
0.862667	0.9732029	15.30705	0.132547	0.191085	0.693655	0.487899	0.999277
0.096667	0.486524812	30.26161	-0.09479	0.217014	-0.43679	0.662264	0.999277
0.773437	0.949821182	149.173	0.130165	0.170682	0.762615	0.445693	0.999277
0.979707	0.996602004	57.4521	0.104871	0.206951	0.506741	0.612336	0.999277
0.148945	0.582148301	92.79465	-0.0243	0.191225	-0.12708	0.89888	0.999277
0.591476	0.895697175	154.4942	0.06047	0.177283	0.341092	0.733034	0.999277
0.1974	0.644398581	62.7894	0.21456	0.204114	1.051175	0.293178	0.999277
0.308296	0.743099434	44.5711	0.190138	0.213855	0.889094	0.373953	0.999277
0.040943	0.329086972	352.2102	-0.07917	0.14299	-0.55368	0.579797	0.999277
0.687816	0.931172733	206.2376	0.049586	0.156025	0.317806	0.750632	0.999277
0.971535	0.99553873	220.839	0.110075	0.15789	0.697158	0.485704	0.999277
0.01805	0.210909965	69.51971	-0.13321	0.203571	-0.65436	0.512882	0.999277
0.439494	0.820655814	66.80939	0.018785	0.207205	0.090659	0.927764	0.999277
0.609147	0.903795926	44.65459	0.159453	0.21291	0.748921	0.453905	0.999277
0.522775	0.867041719	4306.001	0.176129	0.096643	1.82247	0.068384	0.787284
0.045216	0.342435573	68.74015	-0.18163	0.205641	-0.88323	0.377114	0.999277
0.200549	0.647989499	74.43641	0.291917	0.210569	1.386321	0.165649	0.999277
0.469743	0.839781866	215.7125	0.155139	0.173898	0.892127	0.372325	0.999277
0.150173	0.583703479	443.1866	-0.0394	0.15574	-0.25298	0.800287	0.999277
0.481794	0.846450746	162.1766	0.167771	0.185281	0.905496	0.365203	0.999277
0.326254	0.754362047	13.2168	-0.02715	0.203141	-0.13367	0.89366	0.999277
0.349358	0.771314219	26.87117	0.004614	0.21648	0.021314	0.982995	0.999277
0.211358	0.660664898	18.6823	-0.05066	0.204714	-0.24748	0.80454	0.999277
0.389832	0.794805703	137.3034	0.211763	0.187485	1.129495	0.258689	0.999277
0.426357	0.814589985	98.096	0.011115	0.191874	0.05793	0.953804	0.999277
0.715984	0.935880005	15.95843	0.052826	0.208893	0.252885	0.800357	0.999277
0.712994	0.935646775	13.30919	0.071144	0.202949	0.350551	0.725925	0.999277
0.000486	0.023531085	180.3628	-0.17876	0.195187	-0.91584	0.359753	0.999277
0.493863	0.85290268	30.96829	0.028735	0.216527	0.13271	0.894423	0.999277
0.404798	0.800908086	82.31471	0.034817	0.199547	0.174479	0.861489	0.999277

0.990782	0.998538548	863.5094	0.104393	0.111102	0.940303	0.347062	0.999277
0.65254	0.919811662	23.95029	0.158133	0.212795	0.743126	0.457405	0.999277
0.052859	0.373447349	985.6899	-0.02854	0.126023	-0.2265	0.820814	0.999277
0.976777	0.996317022	689.465	0.10828	0.121266	0.892907	0.371907	0.999277
0.988573	0.998432418	21.29958	0.103484	0.214535	0.482363	0.629548	0.999277
0.644532	0.915184476	188.9043	0.150014	0.163369	0.918249	0.358488	0.999277
0.281019	0.721618953	232.4745	0.022193	0.155524	0.142696	0.88653	0.999277
0.418976	0.810944751	57.86568	0.186684	0.209251	0.892157	0.372309	0.999277
0.859441	0.972502766	134.3699	0.083243	0.187621	0.443674	0.657278	0.999277
0.807467	0.958353056	118.1887	0.126669	0.190772	0.663978	0.506705	0.999277
0.770571	0.94929683	39.69654	0.132114	0.216074	0.611431	0.540915	0.999277
0.691149	0.93167865	9.712259	0.049261	0.188858	0.260837	0.794218	0.999277
0.72258	0.937706262	64.01968	0.05883	0.206842	0.284421	0.776088	0.999277
0.451135	0.826751878	121.0185	0.046987	0.182875	0.256933	0.797231	0.999277
0.33393	0.759008088	38.05562	0.192588	0.21646	0.889718	0.373617	0.999277
0.314581	0.747422509	15.18455	0.222323	0.19414	1.145172	0.252138	0.999277
0.116878	0.526066407	104.0054	-0.02683	0.193953	-0.13831	0.889995	0.999277
0.402377	0.799980829	10.72064	0.226153	0.184641	1.224829	0.22064	0.999277
0.219561	0.669908559	11.05503	-0.0517	0.193045	-0.2678	0.788857	0.999277
0.995816	0.998654685	68.68212	0.103467	0.214322	0.482764	0.629263	0.999277
0.947824	0.990815593	63.7336	0.096046	0.204499	0.469663	0.638596	0.999277
0.367621	0.783729543	24.25131	0.189634	0.211859	0.895098	0.370734	0.999277
0.590421	0.895584283	597.2525	0.064793	0.121016	0.535406	0.592369	0.999277
0.747095	0.94175942	89.52291	0.056907	0.193449	0.294172	0.768626	0.999277
0.86079	0.972797288	84.07663	0.115621	0.204915	0.564238	0.572592	0.999277
0.893601	0.979634139	64.97625	0.118417	0.207505	0.570668	0.568225	0.999277
0.928735	0.985704596	92.05546	0.092963	0.191704	0.484927	0.627728	0.999277
0.190892	0.63818851	37.42114	-0.04385	0.215476	-0.20349	0.838751	0.999277
0.980899	0.997161793	113.2594	0.101282	0.196448	0.515564	0.606159	0.999277
0.619695	0.907482954	195.0406	0.035155	0.170167	0.206593	0.836328	0.999277
0.383401	0.790738618	55.40839	0.023095	0.207913	0.111081	0.911553	0.999277
0.093423	0.47938224	176.9396	0.264783	0.170698	1.551177	0.120859	0.929931
0.991737	0.998538548	10.61611	0.104585	0.191241	0.546874	0.584465	0.999277
0.853888	0.970158573	70.791	0.085143	0.200704	0.42422	0.671406	0.999277
0.946098	0.989708344	10.37743	0.112915	0.18697	0.603923	0.545895	0.999277
0.313646	0.747194522	18.95462	-0.02073	0.211933	-0.09782	0.922076	0.999277
0.019104	0.217695659	45.19606	-0.16011	0.214524	-0.74635	0.455454	0.999277
0.147179	0.578667199	105.0878	0.224773	0.184742	1.216685	0.223724	0.999277
0.082519	0.454111863	68.16824	-0.11766	0.20231	-0.58159	0.560844	0.999277
0.315941	0.74879056	39.46484	-0.03489	0.21676	-0.16098	0.872107	0.999277
0.511097	0.860852133	59.86332	0.034206	0.207102	0.165164	0.868815	0.999277
0.719848	0.936421107	223.2998	0.057696	0.151797	0.380086	0.703882	0.999277
0.312962	0.746673364	183.1088	-0.0346	0.167247	-0.20691	0.836083	0.999277
0.088678	0.469317496	407.1667	-0.07205	0.139796	-0.51536	0.606299	0.999277
0.329459	0.755901285	133.5271	0.001603	0.195205	0.008214	0.993447	0.999277
0.636148	0.912524658	41.72679	0.058321	0.213642	0.272986	0.784864	0.999277
1.27E-07	6.55E-05	119.8789	-0.40181	0.187183	-2.14663	0.031823	0.617045
0.877651	0.976223954	174.942	0.121941	0.163197	0.747202	0.454941	0.999277
0.270835	0.713936492	193.5435	0.176523	0.170294	1.036578	0.299932	0.999277
0.437299	0.819027755	10057.04	0.040866	0.087313	0.468039	0.639757	0.999277
0.239545	0.688236474	42.63034	-0.06448	0.214145	-0.30111	0.763328	0.999277
0.90198	0.981741328	10.49357	0.084715	0.192235	0.440685	0.659441	0.999277

0.573333	0.890076329	9.722801	0.045209	0.192664	0.234651	0.81448	0.999277
0.969628	0.99553873	10.47497	0.106845	0.193272	0.552825	0.580384	0.999277
0.91647	0.98454795	38.57725	0.114873	0.217007	0.529354	0.59656	0.999277
0.949919	0.991323144	84.80446	0.093633	0.198279	0.472229	0.636763	0.999277
0.740608	0.940232174	53.19052	0.14029	0.216346	0.648455	0.516691	0.999277
0.978094	0.996584223	65.75563	0.098328	0.213298	0.460989	0.644806	0.999277
0.886759	0.978237454	605.2795	0.089366	0.119824	0.745812	0.455781	0.999277
0.359752	0.777276904	88.49358	0.015488	0.20945	0.073945	0.941054	0.999277
0.434053	0.817527328	26.26308	0.007009	0.216717	0.032343	0.974199	0.999277
0.498342	0.854017559	72.1962	0.036862	0.21185	0.174001	0.861864	0.999277
0.336212	0.759653928	749.2641	0.012798	0.126769	0.100954	0.919587	0.999277
0.232385	0.682081023	349.7046	-0.01385	0.148822	-0.09306	0.925858	0.999277
0.144764	0.574544088	67.96974	-0.07825	0.211016	-0.37085	0.710752	0.999277
0.748549	0.942119652	33.15159	0.072959	0.217007	0.336206	0.736715	0.999277
0.674576	0.927604313	8.867126	0.055542	0.180936	0.306973	0.758864	0.999277
0.956045	0.99273361	88.96477	0.09474	0.206392	0.459027	0.646215	0.999277
0.712528	0.935646775	15.54538	0.144055	0.201225	0.715887	0.474061	0.999277
0.173217	0.615469482	143.5626	0.23546	0.18327	1.284766	0.198874	0.999277
0.785865	0.95351673	15.87086	0.136945	0.198175	0.691029	0.489547	0.999277
0.326456	0.754362047	50.3797	-0.02557	0.215838	-0.11847	0.905695	0.999277
0.670981	0.92607207	153.721	0.138574	0.168344	0.823161	0.410417	0.999277
0.313828	0.747208845	12.26048	0.204247	0.196905	1.037289	0.299601	0.999277
0.929945	0.98582665	70.40195	0.092996	0.207102	0.449034	0.653407	0.999277
0.586988	0.894310786	49.15542	0.168441	0.210858	0.798835	0.424386	0.999277
0.271185	0.713936492	193.7726	0.175171	0.17028	1.02872	0.303611	0.999277
0.439795	0.820748295	286.9434	0.03542	0.146555	0.24168	0.809028	0.999277
0.99061	0.998538548	24.0349	0.099576	0.214392	0.464459	0.642319	0.999277
0.003191	0.078628627	56.92912	-0.1021	0.209649	-0.48703	0.626239	0.999277
0.247072	0.695372431	74.73654	0.185876	0.198107	0.93826	0.348111	0.999277
0.490286	0.851511049	143.9116	0.172963	0.176332	0.980896	0.326644	0.999277
0.198345	0.64523528	90.78805	-0.07715	0.189895	-0.40628	0.684534	0.999277
0.288159	0.728621266	330.5355	-0.01319	0.160069	-0.0824	0.93433	0.999277
0.523861	0.867497986	87.19556	0.026121	0.195884	0.133348	0.893918	0.999277
0.441318	0.821483876	12.71768	-0.01056	0.198377	-0.05324	0.957544	0.999277
0.452035	0.827179801	129.9677	-0.0091	0.18888	-0.04819	0.961568	0.999277
0.422058	0.81256555	45.554	0.011753	0.213773	0.054979	0.956155	0.999277
0.840861	0.966670198	56.4728	0.118981	0.208087	0.571785	0.567467	0.999277
0.008666	0.141490918	21.18016	-0.22172	0.212282	-1.04444	0.296281	0.999277
0.443326	0.822590959	22.41756	0.023387	0.215284	0.108635	0.913492	0.999277
0.552992	0.88092468	443.7034	0.031345	0.15721	0.199383	0.841963	0.999277
0.165709	0.605102404	58.42078	0.286841	0.212775	1.348097	0.177627	0.999277
0.493807	0.85290268	54.27234	0.018957	0.212867	0.089055	0.929038	0.999277
0.780208	0.951422339	13.12914	0.136853	0.196983	0.694744	0.487216	0.999277
0.65464	0.919908379	89.58792	0.141398	0.195876	0.721874	0.470372	0.999277
0.676757	0.927787926	25.73134	0.054208	0.216191	0.250742	0.802013	0.999277
0.377187	0.788723282	10.66441	-0.00432	0.190657	-0.02267	0.981912	0.999277
0.602181	0.899847403	11.08314	0.04073	0.188955	0.215557	0.829333	0.999277
0.230943	0.680589817	60.68725	-0.02013	0.205772	-0.09785	0.922054	0.999277
0.614811	0.905900033	353.3664	0.053856	0.136479	0.394609	0.693131	0.999277
0.309888	0.744076174	20.82653	0.015969	0.214383	0.074488	0.940622	0.999277
0.822835	0.961436518	209.9599	0.122428	0.165604	0.739282	0.459735	0.999277
0.476416	0.84304528	19.36105	-0.0041	0.212294	-0.01932	0.984585	0.999277

0.448889	0.825078456	13.50522	-0.01046	0.196753	-0.05315	0.957614	0.999277
0.283589	0.72494346	10.45183	-0.01559	0.194377	-0.0802	0.93608	0.999277
0.687155	0.931172733	90.66147	0.070706	0.1948	0.362964	0.716632	0.999277
0.014818	0.190902506	32.77128	0.345406	0.217008	1.591675	0.111458	0.920875
0.073573	0.431524271	949.1752	0.251708	0.141171	1.783005	0.074585	0.809906
0.420639	0.81170587	29.66396	0.176272	0.216264	0.815076	0.415029	0.999277
0.282845	0.723889658	24.61059	-0.03086	0.214256	-0.14405	0.885459	0.999277
0.971663	0.99553873	89.03296	0.104577	0.205981	0.507704	0.611661	0.999277
0.091436	0.474777897	79.59249	-0.04797	0.201727	-0.23779	0.81204	0.999277
0.636148	0.912524658	42.29776	0.055217	0.213398	0.258752	0.795827	0.999277
0.856215	0.971471954	46.58497	0.073	0.211773	0.344708	0.730314	0.999277
0.940851	0.988134075	94.45029	0.092076	0.192593	0.478087	0.632588	0.999277
0.597615	0.897896957	618.0623	0.14434	0.126967	1.136824	0.255612	0.999277
0.108178	0.510417982	10.73115	-0.11511	0.19113	-0.60225	0.547008	0.999277
0.948629	0.991148678	149.2484	0.105342	0.189815	0.554973	0.578913	0.999277
0.819655	0.960194571	43.58583	0.075979	0.213997	0.355049	0.722553	0.999277
0.293115	0.733373406	173.6658	0.036306	0.170664	0.212736	0.831533	0.999277
0.984943	0.997439038	81.00711	0.096233	0.195884	0.491274	0.623233	0.999277
0.43713	0.819027755	576.2625	0.17649	0.13067	1.350656	0.176806	0.999277
0.118773	0.529492008	32.81804	-0.08159	0.216945	-0.3761	0.706843	0.999277
0.486761	0.849658493	15.34552	0.195222	0.205535	0.949826	0.342201	0.999277
0.817726	0.959878204	21.5243	0.118971	0.21141	0.562747	0.573607	0.999277
0.084897	0.459517368	82.41114	-0.03174	0.196131	-0.16185	0.871423	0.999277
0.436668	0.819027755	99.68305	0.042581	0.198255	0.214779	0.82994	0.999277
0.574065	0.890304334	10.76369	0.034151	0.190678	0.179102	0.857858	0.999277
0.091329	0.474777897	266.3794	-0.07234	0.153564	-0.47109	0.637574	0.999277
0.587555	0.894310786	109.2888	0.037063	0.18806	0.197083	0.843763	0.999277
0.386044	0.792576238	152.1342	0.015132	0.178662	0.084697	0.932502	0.999277
0.103441	0.499892244	86.29876	-0.01161	0.19687	-0.05896	0.952981	0.999277
0.826457	0.962521459	72.15164	0.120874	0.198509	0.608909	0.542585	0.999277
0.325682	0.754238284	57.76382	0.198751	0.212423	0.935634	0.349462	0.999277
0.407099	0.802193291	38.18047	0.188094	0.215889	0.871256	0.383615	0.999277
0.739869	0.940232174	195.4232	0.07139	0.168699	0.423181	0.672163	0.999277
0.383555	0.790738618	93.07494	0.033387	0.196448	0.169952	0.865048	0.999277
0.183154	0.630008499	115.0951	-0.00405	0.183614	-0.02208	0.982386	0.999277
0.729103	0.938791295	199.9332	0.060083	0.164246	0.365808	0.714508	0.999277
0.738478	0.940125364	34.67322	0.133063	0.216976	0.613262	0.539703	0.999277
0.097781	0.488613794	167.4594	-0.08099	0.170405	-0.47528	0.634591	0.999277
0.937918	0.987566423	218.331	0.103386	0.157002	0.658498	0.510218	0.999277
0.708843	0.93479128	9.345097	0.043351	0.186036	0.233026	0.815741	0.999277
0.143779	0.573358969	562.5407	-0.00215	0.127444	-0.01685	0.986556	0.999277
0.47095	0.840393952	11.37071	-0.00746	0.195515	-0.03815	0.969569	0.999277
0.326881	0.754362047	33.87973	0.240938	0.216971	1.110459	0.266801	0.999277
0.79345	0.955328559	40.79859	0.127553	0.215751	0.591205	0.554383	0.999277
0.411116	0.804627647	565.3425	0.161432	0.152797	1.056514	0.290734	0.999277
0.145427	0.575464278	297.5675	-0.05346	0.146141	-0.36581	0.714506	0.999277
0.592028	0.895697175	35.93782	0.173073	0.21435	0.807431	0.419418	0.999277
0.269236	0.711945422	19.05762	-0.06271	0.212483	-0.29511	0.767907	0.999277
0.019808	0.222458274	62.85839	-0.18148	0.209181	-0.86758	0.385623	0.999277
0.896976	0.980340433	192.3043	0.112595	0.177894	0.632935	0.526776	0.999277
0.827762	0.962901427	49.08196	0.068951	0.21531	0.320239	0.748787	0.999277
0.081339	0.450984629	11.07574	0.316304	0.173013	1.82821	0.067518	0.786471

0.242275	0.689627897	907.1284	-0.02088	0.125815	-0.16598	0.86817	0.999277
0.58385	0.893086908	90.29081	0.157736	0.190749	0.82693	0.408277	0.999277
0.983694	0.997439038	456.019	0.094891	0.134002	0.708132	0.478863	0.999277
0.118836	0.529492008	23.20646	-0.0791	0.215713	-0.36671	0.713836	0.999277
0.493683	0.85290268	43.4408	0.023637	0.213893	0.110511	0.912005	0.999277
0.790905	0.954486972	38.06667	0.072822	0.215602	0.337761	0.735543	0.999277
0.514321	0.862555793	32.12478	0.048693	0.216788	0.224612	0.822281	0.999277
0.934712	0.986607773	33.0897	0.089671	0.216994	0.413243	0.679429	0.999277
0.445951	0.824037121	128.3155	0.041942	0.175755	0.238642	0.811384	0.999277
0.964648	0.994711448	105.8392	0.092292	0.193067	0.478032	0.632627	0.999277
0.016579	0.202349152	81.28217	0.277111	0.200572	1.381606	0.167093	0.999277
0.045652	0.344342772	315.6854	-0.11327	0.142064	-0.79733	0.425258	0.999277
0.19685	0.64352339	18.85608	-0.04563	0.210778	-0.21646	0.828626	0.999277
0.420276	0.811474138	92.47857	0.014501	0.191406	0.075761	0.939609	0.999277
0.786239	0.95351673	479.1886	0.117484	0.124584	0.943014	0.345674	0.999277
0.826585	0.962521459	60.64965	0.075826	0.204709	0.370408	0.711079	0.999277
0.325663	0.754238284	23.9652	0.200472	0.216125	0.927574	0.353628	0.999277
0.843396	0.967287902	175.1556	0.112687	0.184179	0.611834	0.540648	0.999277
0.070628	0.425044249	544.2206	-0.07938	0.121788	-0.65179	0.514538	0.999277
0.368231	0.784139094	71.87052	0.170264	0.210323	0.809536	0.418207	0.999277
0.529639	0.869527181	103.1947	0.173497	0.203174	0.853929	0.393144	0.999277
0.844135	0.967713968	73.23382	0.068178	0.205814	0.331262	0.740446	0.999277
0.04213	0.332540301	23.10263	-0.11115	0.215566	-0.5156	0.606135	0.999277
0.889409	0.978618144	328.7973	0.077692	0.151931	0.51136	0.609099	0.999277
0.032964	0.291039825	29.11105	-0.06327	0.215359	-0.29379	0.768915	0.999277
0.000666	0.028704727	278.0269	-0.18486	0.179106	-1.03213	0.30201	0.999277
0.2025	0.650197277	11.21748	-0.08046	0.16763	-0.47996	0.631259	0.999277
0.905242	0.982337683	414.0976	0.112686	0.130901	0.860849	0.389321	0.999277
0.804693	0.957461615	238.6935	0.124238	0.155662	0.798127	0.424797	0.999277
0.346053	0.76749467	38.78561	0.187608	0.214953	0.872783	0.382781	0.999277
0.670371	0.925767822	103.0168	0.057551	0.192804	0.298496	0.765325	0.999277
0.621749	0.907988155	26.42587	0.042739	0.216589	0.197326	0.843573	0.999277
0.437252	0.819027755	30.50133	-0.01815	0.216508	-0.08382	0.9332	0.999277
0.890297	0.978648335	50.75293	0.106504	0.211574	0.503391	0.614689	0.999277
0.80728	0.958353056	48.07289	0.117172	0.211511	0.553975	0.579596	0.999277
0.634795	0.91246753	136.8629	0.03908	0.194209	0.201228	0.84052	0.999277
0.808951	0.958353056	75.20568	0.072484	0.203939	0.355422	0.722274	0.999277
0.781123	0.951571897	69.10855	0.07186	0.209044	0.343756	0.73103	0.999277
0.365864	0.782722969	127.6019	0.179498	0.189174	0.948848	0.342698	0.999277
0.127844	0.547329454	41.62877	-0.03904	0.215404	-0.18125	0.856169	0.999277
0.925673	0.985704596	46.68974	0.103133	0.211672	0.487229	0.626096	0.999277
0.506031	0.858280638	181.343	0.151314	0.161537	0.936713	0.348906	0.999277
0.062885	0.404145424	193.7049	-0.07808	0.160077	-0.48778	0.625709	0.999277
0.433522	0.817250644	103.6855	0.181436	0.192526	0.942398	0.345989	0.999277
0.579737	0.892778779	223.709	0.136715	0.167619	0.81563	0.414712	0.999277
0.674963	0.927604313	120.6676	0.142263	0.182649	0.778888	0.436046	0.999277
0.383237	0.790738618	28.79654	0.164098	0.216999	0.756215	0.44952	0.999277
0.501972	0.856224747	201.5852	0.14704	0.157112	0.935891	0.349329	0.999277
0.84479	0.967713968	10.97343	0.11152	0.194488	0.5734	0.566374	0.999277
0.187009	0.633811684	121.0433	-0.05111	0.178517	-0.28631	0.77464	0.999277
0.11353	0.519695123	11.44946	-0.08659	0.192355	-0.45016	0.652596	0.999277
0.950747	0.991545011	55.32237	0.099278	0.216972	0.45756	0.647268	0.999277

0.023841	0.246412443	39.05751	-0.09095	0.21679	-0.41955	0.674817	0.999277
0.453924	0.828567096	49.23119	1.10E-05	0.212031	5.18E-05	0.999959	0.999986
0.250823	0.697519875	248.1443	0.257884	0.19642	1.312923	0.189209	0.999277
0.630646	0.911456731	8.704898	0.04238	0.179073	0.236661	0.81292	0.999277
0.82123	0.960727032	66.12789	0.114355	0.204353	0.559596	0.575755	0.999277
0.473665	0.841899731	119.7283	0.038346	0.180239	0.212749	0.831523	0.999277
0.290693	0.730514779	15.97754	-0.01485	0.208685	-0.07118	0.943256	0.999277
0.13658	0.563112253	29.55603	-0.06682	0.216979	-0.30795	0.758119	0.999277
0.273675	0.716593516	64.44043	0.19585	0.205048	0.955145	0.339504	0.999277
0.528397	0.869274414	83.87944	0.138454	0.196132	0.705922	0.480237	0.999277
0.435834	0.818229013	107.9541	0.008753	0.184712	0.047386	0.962206	0.999277
0.138309	0.566241658	18.94129	-0.11949	0.212497	-0.56229	0.573918	0.999277
0.746017	0.941321938	192.3484	0.061408	0.179849	0.341444	0.73277	0.999277
0.651123	0.919166981	134.4413	0.053215	0.177573	0.299679	0.764422	0.999277
0.452464	0.827485572	67.66576	0.175503	0.202604	0.866237	0.38636	0.999277
0.955499	0.992684836	197.3501	0.099925	0.160564	0.622338	0.53372	0.999277
0.33617	0.759653928	102.0779	0.011898	0.195998	0.060704	0.951595	0.999277
0.832672	0.963972824	113.4845	0.117698	0.184914	0.636502	0.524449	0.999277
0.878054	0.976223954	73.89279	0.104373	0.205251	0.508513	0.611094	0.999277
0.78878	0.954346523	11.39984	0.058334	0.193782	0.301029	0.763392	0.999277
0.070163	0.423979758	37.03173	-0.13761	0.215872	-0.63747	0.523816	0.999277
0.186181	0.632482653	40.55589	0.240121	0.214939	1.117157	0.263927	0.999277
0.623895	0.907988155	1284.136	0.029591	0.112059	0.264065	0.79173	0.999277
0.319352	0.75036818	238.2293	0.205129	0.172189	1.191303	0.233535	0.999277
0.429863	0.815670844	20.28071	0.008305	0.209618	0.039621	0.968395	0.999277
0.239265	0.688231916	197.836	-0.06315	0.165898	-0.38065	0.703461	0.999277
0.956824	0.99298571	29.36411	0.085552	0.217021	0.394212	0.693424	0.999277
0.344365	0.766294086	39.21014	0.191714	0.215663	0.888954	0.374028	0.999277
0.775238	0.950087614	25.06595	0.131763	0.216373	0.608962	0.54255	0.999277
0.643583	0.914943952	182.8772	0.046743	0.162842	0.287045	0.774078	0.999277
0.476583	0.84304528	11.59341	-0.00201	0.19913	-0.01009	0.991946	0.999277
0.726088	0.938284524	8.91177	0.142073	0.171887	0.826549	0.408493	0.999277
0.246045	0.693889675	1227.2	0.015384	0.108253	0.142112	0.886991	0.999277
0.934545	0.986607773	850.6932	0.081349	0.132321	0.614784	0.538697	0.999277
0.936287	0.986885744	10.09738	0.081599	0.190425	0.42851	0.66828	0.999277
0.234355	0.683219522	68.57849	-0.01123	0.202299	-0.05549	0.955749	0.999277
0.252167	0.698196257	33.71633	0.187843	0.216951	0.865829	0.386584	0.999277
0.469719	0.839781866	334.0797	0.136006	0.144055	0.944128	0.345104	0.999277
0.110509	0.514156037	55.19859	0.194161	0.210357	0.923008	0.356003	0.999277
0.978077	0.996584223	61.4676	0.088833	0.212919	0.417215	0.676521	0.999277
0.228045	0.677661951	58.43054	-0.00877	0.205917	-0.04257	0.966044	0.999277
0.016594	0.202349152	91.76184	-0.07557	0.199694	-0.37842	0.705118	0.999277
0.325526	0.754238284	28.91345	0.204898	0.216852	0.944873	0.344724	0.999277
0.716412	0.935880005	125.1362	0.070977	0.185997	0.381602	0.702757	0.999277
0.409513	0.803007486	41.97604	-0.00304	0.214665	-0.01415	0.988709	0.999277
0.615925	0.9063422	67.95198	0.034978	0.205968	0.169822	0.86515	0.999277
0.349038	0.771043748	123.6826	-0.04071	0.180898	-0.22505	0.821944	0.999277
0.000808	0.032349191	246.0852	-0.2136	0.153245	-1.39388	0.163355	0.999277
0.249151	0.696015371	54.43876	0.214264	0.210657	1.017125	0.309094	0.999277
0.510226	0.860157719	36.92278	-0.00522	0.216026	-0.02417	0.980721	0.999277
0.196916	0.64352339	484.8346	-0.05661	0.128439	-0.44077	0.659376	0.999277
0.318841	0.75032045	82.86975	-0.05335	0.195678	-0.27262	0.785146	0.999277

0.277951	0.719894482	17.76898	-0.06479	0.210778	-0.30737	0.758559	0.999277
0.858293	0.97227113	21.46725	0.11124	0.210836	0.527613	0.597768	0.999277
0.391547	0.794949112	38.90086	0.194157	0.216799	0.895562	0.370487	0.999277
0.980075	0.996602004	13.20695	0.087177	0.20142	0.432812	0.665152	0.999277
0.771472	0.94929683	54.73776	0.067467	0.208495	0.323591	0.746248	0.999277
0.304203	0.739861013	304.056	0.008511	0.1463	0.058173	0.953611	0.999277
0.849612	0.969337745	312.9565	0.074621	0.156143	0.477899	0.632722	0.999277
0.276389	0.718088378	96.00915	-0.05345	0.189324	-0.28234	0.777682	0.999277
0.172469	0.614115622	148.3956	-0.03599	0.175339	-0.20524	0.837387	0.999277
0.252685	0.698438177	15.28913	-0.05214	0.206725	-0.25223	0.800861	0.999277
0.343274	0.765527629	65.95226	0.207663	0.21389	0.970891	0.331603	0.999277
0.66715	0.925067398	46.21467	0.140688	0.212109	0.663279	0.507152	0.999277
0.366013	0.782722969	47.77052	0.014773	0.212648	0.06947	0.944616	0.999277
0.193858	0.639447293	26.31367	0.214644	0.216881	0.989689	0.322326	0.999277
0.004116	0.092734767	198.5582	-0.11762	0.185282	-0.63482	0.525549	0.999277
0.943662	0.98909524	72.50609	0.080749	0.203542	0.39672	0.691574	0.999277
0.774766	0.950048734	79.48819	0.051098	0.201071	0.254128	0.799397	0.999277
0.555619	0.882189828	471.0895	0.150233	0.145776	1.030573	0.302741	0.999277
0.967479	0.995174314	238.1525	0.08654	0.153054	0.565424	0.571785	0.999277
0.714048	0.935646775	50.24823	0.11859	0.211956	0.559501	0.57582	0.999277
0.494908	0.853342615	45.28674	0.001668	0.212018	0.007867	0.993723	0.999277
0.920988	0.985704596	511.7208	0.102809	0.137802	0.746065	0.455628	0.999277
0.668979	0.925067398	246.9993	0.054755	0.181722	0.301312	0.763176	0.999277
0.966613	0.994967341	94.88364	0.094025	0.189972	0.494941	0.620642	0.999277
0.550316	0.879281928	26.43593	0.153828	0.216099	0.711839	0.476565	0.999277
0.248474	0.69600899	109.616	0.186174	0.182833	1.018273	0.308548	0.999277
0.539737	0.873794135	64.02738	0.032978	0.204518	0.161248	0.871898	0.999277
0.808809	0.958353056	95.16357	0.113241	0.189638	0.597142	0.550413	0.999277
0.669551	0.925330569	178.1645	0.132913	0.163833	0.81127	0.41721	0.999277
0.123044	0.535747264	484.9205	0.235144	0.150012	1.567503	0.116997	0.929931
0.887905	0.978595482	274.3178	0.106125	0.162066	0.654824	0.512581	0.999277
0.576339	0.890535872	45.32456	0.009343	0.216857	0.043084	0.965635	0.999277
0.372815	0.786649491	101.2638	0.021427	0.199155	0.107588	0.914323	0.999277
0.182967	0.629886351	221.4798	-0.02268	0.15687	-0.14459	0.885037	0.999277
0.593393	0.895908479	28.47177	0.065021	0.063729	1.020279	0.307596	0.999277
0.543007	0.875213603	29.71474	0.026074	0.216976	0.120169	0.904349	0.999277
0.430861	0.816304844	26.76638	0.15969	0.216069	0.739067	0.459866	0.999277
0.213009	0.662162147	326.2201	0.190336	0.149127	1.276336	0.201837	0.999277
0.859638	0.972502766	186.0098	0.111793	0.162753	0.68689	0.492152	0.999277
0.046158	0.346038999	76.84421	-0.12834	0.197602	-0.64951	0.516011	0.999277
0.447065	0.824037121	81.43996	0.144534	0.194824	0.741871	0.458166	0.999277
0.678011	0.928583913	43.38104	0.053355	0.216107	0.246891	0.804993	0.999277
0.019685	0.221861826	45.92186	0.309937	0.213338	1.452801	0.146279	0.977082
0.618182	0.907334933	200.1432	0.036059	0.163636	0.220363	0.825588	0.999277
0.645022	0.915384904	38.63697	0.045617	0.216737	0.210474	0.833298	0.999277
0.029074	0.273827696	351.2712	-0.14102	0.140203	-1.00583	0.314498	0.999277
0.196959	0.64352339	12.28164	0.261516	0.190892	1.369964	0.170698	0.999277
0.215643	0.666895945	288.6664	-0.01126	0.153874	-0.07316	0.941681	0.999277
0.995063	0.998654685	39.96462	0.087963	0.216731	0.405864	0.684842	0.999277
0.013364	0.180622019	1880.982	-0.10057	0.105602	-0.95239	0.340898	0.999277
0.021255	0.231562844	3213.785	-0.07784	0.095062	-0.81886	0.412864	0.999277
0.092911	0.47785484	19.6797	-0.12328	0.211788	-0.58208	0.560512	0.999277

0.912848	0.983953937	367.7863	0.075557	0.154081	0.490372	0.623871	0.999277
0.560722	0.88438569	291.5676	0.028147	0.141334	0.19915	0.842146	0.999277
0.079099	0.445187123	74.51319	-0.05387	0.201206	-0.26775	0.788888	0.999277
0.545522	0.875704826	15.55146	0.016983	0.205432	0.08267	0.934114	0.999277
0.699759	0.933914128	1114.801	0.032551	0.109552	0.297128	0.766369	0.999277
0.056105	0.382899194	158.4674	0.30336	0.184485	1.644366	0.100101	0.899753
0.767551	0.948582884	64.20624	0.122627	0.203044	0.603943	0.545882	0.999277
0.653188	0.919811662	212.4115	0.047832	0.16344	0.292658	0.769783	0.999277
0.431731	0.816304844	54.4072	0.023644	0.208405	0.113451	0.909673	0.999277
0.463414	0.835259367	97.07904	0.0167	0.187355	0.089137	0.928973	0.999277
0.257322	0.702537532	146.021	0.180654	0.204899	0.881671	0.377955	0.999277
0.716141	0.935880005	44.07455	0.051966	0.21539	0.241265	0.80935	0.999277
0.432089	0.816304844	30.37297	0.003941	0.216989	0.018161	0.98551	0.999277
0.0387	0.320116316	25.88504	-0.13748	0.216347	-0.63544	0.525142	0.999277
0.179299	0.623409084	57.12356	-4.71E-05	0.210869	-0.00022	0.999822	0.999986
0.944133	0.989278141	82.29449	0.093618	0.194737	0.48074	0.630701	0.999277
0.258949	0.703765032	28.00134	0.252228	0.194944	1.293851	0.195717	0.999277
0.687014	0.931172733	125.6334	0.136868	0.179068	0.764337	0.444667	0.999277
0.008669	0.141490918	225.8937	0.273943	0.169701	1.614268	0.106469	0.90525
0.812121	0.958720759	246.4524	0.057932	0.150748	0.3843	0.700756	0.999277
0.420377	0.811476969	89.57279	0.161793	0.207501	0.779721	0.435555	0.999277
0.488972	0.850626682	46.08747	0.17381	0.215275	0.807388	0.419443	0.999277
0.001479	0.046726814	434.8735	-0.10038	0.141444	-0.70967	0.477908	0.999277
0.308353	0.743099434	257.3561	0.22433	0.172866	1.297709	0.194387	0.999277
0.74381	0.940717284	149.6059	0.066255	0.176817	0.374709	0.707877	0.999277
0.502794	0.856224864	26.30412	0.183167	0.216443	0.846263	0.397406	0.999277
0.967228	0.995086243	144.9121	0.090778	0.17816	0.509532	0.610379	0.999277
0.007626	0.132042141	1141.126	-0.20085	0.122404	-1.64086	0.100826	0.899753
0.980125	0.996602004	107.9177	0.085685	0.193817	0.442091	0.658424	0.999277
0.018703	0.21588983	77.83222	-0.13223	0.207639	-0.63682	0.524243	0.999277
0.406365	0.801957174	57.04158	-0.03031	0.209364	-0.14479	0.884874	0.999277
0.492366	0.852802998	110.6996	0.140381	0.183121	0.766602	0.443318	0.999277
0.608658	0.903795926	18.27929	0.012775	0.198802	0.06426	0.948763	0.999277
0.881368	0.97678025	117.8783	0.072075	0.182348	0.395258	0.692652	0.999277
0.469899	0.839788099	48.54429	0.008669	0.214945	0.040333	0.967827	0.999277
0.623618	0.907988155	208.0506	0.135825	0.160987	0.843702	0.398836	0.999277
0.486173	0.849055491	181.2483	0.04675	0.17202	0.271769	0.7858	0.999277
0.667945	0.925067398	25.04922	0.122068	0.215263	0.567066	0.570669	0.999277
0.7958	0.95546283	9.019215	0.050193	0.184231	0.272444	0.785281	0.999277
0.104592	0.501644228	29.8892	0.251607	0.216862	1.160217	0.24596	0.999277
0.26671	0.709752612	310.0002	0.22035	0.193619	1.138058	0.255096	0.999277
0.444166	0.823180508	186.6631	0.010103	0.177827	0.056811	0.954695	0.999277
0.817063	0.959821979	56.43439	0.107402	0.207069	0.518679	0.603985	0.999277
0.75394	0.943978926	59.9081	0.056698	0.208143	0.2724	0.785315	0.999277
0.438606	0.819957596	72.66966	0.023826	0.209966	0.113475	0.909654	0.999277
0.557726	0.882863308	57.61968	0.13355	0.208041	0.641939	0.520913	0.999277
0.935468	0.986761346	87.34136	0.093107	0.193543	0.481065	0.63047	0.999277
0.290181	0.72980043	49.07383	-0.05627	0.213057	-0.2641	0.791706	0.999277
0.875058	0.975929662	252.8227	0.069852	0.15963	0.437585	0.661687	0.999277
0.615597	0.906204018	172.156	0.132973	0.166924	0.796604	0.425681	0.999277
0.098748	0.490691667	32.63448	0.317078	0.216465	1.464799	0.142976	0.976872
0.232479	0.682081023	180.5202	-0.05417	0.160439	-0.33765	0.735625	0.999277

0.205453	0.653567597	48.41075	-0.08091	0.212231	-0.38126	0.703012	0.999277
0.084911	0.459517368	449.0958	0.223002	0.126071	1.768863	0.076917	0.819234
0.595162	0.896659304	84.8787	0.053282	0.195308	0.272812	0.784998	0.999277
0.195977	0.642065159	16.74421	0.26147	0.202557	1.290845	0.196757	0.999277
0.790131	0.954486972	254.8061	0.10252	0.156258	0.656092	0.511765	0.999277
0.517369	0.863810282	15.05278	0.149357	0.207864	0.718532	0.472429	0.999277
0.928688	0.985704596	16.68193	0.076656	0.201459	0.380506	0.70357	0.999277
0.571403	0.889477565	20.27966	0.016142	0.213631	0.075558	0.93977	0.999277
0.152923	0.589042386	24.30465	-0.0399	0.215292	-0.18531	0.852987	0.999277
0.990326	0.998538548	45.98331	0.084696	0.216495	0.391213	0.69564	0.999277
0.389515	0.794805703	722.7562	0.014702	0.129183	0.113805	0.909392	0.999277
0.008727	0.141565957	143.8639	-0.12962	0.173481	-0.74716	0.454968	0.999277
0.159201	0.596841784	35.97036	0.240278	0.216979	1.107378	0.268131	0.999277
0.432244	0.816304844	457.8117	0.016657	0.142326	0.117031	0.906836	0.999277
0.854724	0.970614062	43.18904	0.070384	0.213881	0.329079	0.742096	0.999277
0.2528	0.698467085	164.2347	0.202359	0.187471	1.079414	0.280403	0.999277
0.372335	0.786503863	120.2969	0.170185	0.182345	0.933313	0.350658	0.999277
0.239115	0.68795759	114.9649	0.192878	0.183487	1.051181	0.293175	0.999277
0.73818	0.940097036	27.44172	0.121337	0.216924	0.559351	0.575922	0.999277
0.851588	0.96960608	22.81193	0.064573	0.215479	0.299671	0.764428	0.999277
0.595162	0.896659304	84.64864	0.052616	0.195402	0.26927	0.787722	0.999277
0.350604	0.772225327	24.09857	-0.03374	0.215158	-0.15681	0.875398	0.999277
0.306477	0.742823577	96.33787	-0.01065	0.200403	-0.05315	0.95761	0.999277
0.809552	0.958353056	58.66253	0.061572	0.20575	0.299254	0.764746	0.999277
0.802067	0.956825956	10.71883	0.111647	0.194639	0.573611	0.566231	0.999277
0.844797	0.967713968	57.3833	0.06589	0.206779	0.318648	0.749993	0.999277
0.543299	0.875213603	72.67773	0.123868	0.199357	0.621336	0.534378	0.999277
0.728569	0.938587002	202.8778	0.062033	0.167037	0.371373	0.710359	0.999277
0.879929	0.97662978	196.9963	0.1038	0.17623	0.589002	0.55586	0.999277
0.667571	0.925067398	40.44286	0.050923	0.215095	0.236748	0.812853	0.999277
0.547606	0.877048063	58.60426	0.126555	0.207556	0.609737	0.542036	0.999277
0.574846	0.890535872	331.5175	0.146611	0.151873	0.965352	0.334368	0.999277
0.890323	0.978648335	120.3852	0.072142	0.190031	0.379632	0.704218	0.999277
0.798647	0.956401774	85.24318	0.106195	0.20011	0.530682	0.59564	0.999277
0.791617	0.95449568	35.67693	0.12079	0.216428	0.55811	0.576769	0.999277
0.858372	0.972277993	730.4757	0.106252	0.142395	0.746181	0.455558	0.999277
0.861797	0.97286097	35.65263	0.066649	0.216618	0.30768	0.758326	0.999277
0.834029	0.964463864	43.18156	0.11475	0.213788	0.536747	0.591442	0.999277
0.957501	0.993011151	20.12412	0.092187	0.197378	0.46706	0.640457	0.999277
0.139578	0.568997495	175.0539	-0.01365	0.163293	-0.08361	0.933366	0.999277
0.879801	0.97662978	125.5562	0.102382	0.196846	0.520114	0.602984	0.999277
0.703233	0.934077476	85.47194	0.137203	0.201038	0.68247	0.494942	0.999277
0.372299	0.786503863	41.23201	0.022231	0.214783	0.103505	0.917563	0.999277
0.090071	0.472773953	35.56316	-0.16228	0.216743	-0.74872	0.454028	0.999277
0.385341	0.792576238	86.66226	-0.03296	0.20028	-0.16459	0.86927	0.999277
0.320448	0.750866885	189.9917	-0.02806	0.167923	-0.16712	0.867279	0.999277
0.097872	0.488704116	277.4201	-0.01132	0.143733	-0.07878	0.937207	0.999277
0.745445	0.941321938	45.61825	0.126547	0.212304	0.596067	0.551131	0.999277
0.268989	0.711911233	110.2304	0.193843	0.19158	1.011814	0.311627	0.999277
0.25449	0.700275264	17.16725	0.219773	0.209714	1.047963	0.294655	0.999277
0.998435	0.998980571	26.19413	0.083687	0.213748	0.391523	0.695411	0.999277
0.390625	0.794805703	408.9297	0.009697	0.146394	0.066241	0.947186	0.999277

0.111217	0.515656192	98.76446	-0.10326	0.19348	-0.5337	0.593549	0.999277
0.741716	0.94054009	9.322742	0.035316	0.188797	0.187058	0.851615	0.999277
0.899037	0.981094455	35.69708	0.097002	0.216643	0.447748	0.654335	0.999277
0.988302	0.998384791	165.5108	0.084287	0.167083	0.504465	0.613935	0.999277
0.169407	0.610039483	45.06784	-0.1172	0.213175	-0.54977	0.582479	0.999277
0.38779	0.793552228	48.94668	0.139356	0.214633	0.649273	0.516162	0.999277
0.81161	0.958640484	24.70737	0.112798	0.215698	0.522945	0.601012	0.999277
0.638145	0.913202151	223.2868	0.044523	0.151462	0.293952	0.768795	0.999277
0.019763	0.222458274	80.11342	0.313239	0.199566	1.569598	0.116509	0.929931
0.279371	0.721123198	63.6492	0.179167	0.214878	0.83381	0.404388	0.999277
0.692594	0.932146066	56.20777	0.026851	0.211587	0.126901	0.899018	0.999277
0.312973	0.746673364	201.8211	0.001986	0.165022	0.012038	0.990396	0.999277
0.624232	0.908040588	108.4901	0.112326	0.183369	0.612564	0.540165	0.999277
0.947652	0.990755454	15.1064	0.089401	0.205079	0.435933	0.662885	0.999277
0.927208	0.985704596	126.0896	0.095431	0.177487	0.537682	0.590797	0.999277
0.581299	0.892820666	139.7304	0.034934	0.177121	0.19723	0.843648	0.999277
0.924616	0.985704596	137.2111	0.09001	0.174468	0.515911	0.605916	0.999277
0.87792	0.976223954	34.63465	0.102477	0.216335	0.473694	0.635718	0.999277
0.000154	0.011066827	237.2822	0.340394	0.160786	2.117068	0.034254	0.639558
0.144275	0.573945795	23.0781	-0.06291	0.215063	-0.29251	0.769898	0.999277
0.670501	0.925791602	48.52952	0.050653	0.211683	0.239285	0.810885	0.999277
0.630364	0.911456731	48.70239	0.012745	0.211291	0.06032	0.951901	0.999277
0.735399	0.938791295	21.8458	0.048466	0.21534	0.225066	0.821928	0.999277
0.769637	0.94929683	194.9926	0.10424	0.162416	0.641807	0.520999	0.999277
0.473699	0.841899731	513.9103	0.172283	0.133	1.295359	0.195196	0.999277
0.340899	0.763821331	351.5914	0.158551	0.214099	0.740549	0.458967	0.999277
0.158826	0.596830002	15.16166	-0.04641	0.206627	-0.22462	0.822276	0.999277
0.813882	0.95936212	63.59052	0.054797	0.205683	0.266413	0.789921	0.999277
0.885506	0.977714232	153.8139	0.067625	0.183814	0.367899	0.712948	0.999277
0.474898	0.84229563	18.9055	-0.01035	0.202046	-0.05121	0.959159	0.999277
0.575243	0.890535872	346.6386	0.125595	0.143209	0.877009	0.380482	0.999277
0.325963	0.754353952	52.286	0.151141	0.216899	0.696828	0.485911	0.999277
0.369209	0.784800637	69.23482	0.017689	0.201974	0.087582	0.930209	0.999277
0.92266	0.985704596	378.5306	0.092798	0.132682	0.699402	0.484301	0.999277
0.467916	0.83883082	65.76397	0.136053	0.205433	0.662275	0.507795	0.999277
0.256193	0.702061462	130.9829	0.155073	0.181696	0.853475	0.393396	0.999277
0.660171	0.923065962	44.94014	0.137686	0.215441	0.639089	0.522765	0.999277
0.009188	0.146386165	54.82482	-0.09429	0.208592	-0.45204	0.651242	0.999277
0.600371	0.899004654	117.9139	0.128874	0.185224	0.695775	0.48657	0.999277
0.877056	0.976223954	9.249586	0.058893	0.18753	0.314044	0.753488	0.999277
0.605286	0.902141605	80.71744	0.019695	0.197348	0.099796	0.920506	0.999277
0.356817	0.775287401	97.20096	0.015272	0.189318	0.080671	0.935704	0.999277
0.503473	0.856224864	11.89083	0.001247	0.200191	0.006231	0.995028	0.999277
0.218346	0.66879159	331.0445	0.180853	0.143952	1.256343	0.208992	0.999277
0.732962	0.938791295	63.72199	0.103348	0.208613	0.495407	0.620313	0.999277
0.196972	0.64352339	204.9607	-0.0856	0.166648	-0.51367	0.607481	0.999277
0.930943	0.986301231	29.81801	0.093727	0.216993	0.431936	0.665788	0.999277
0.675748	0.927604313	52.98196	0.02458	0.209742	0.117192	0.906708	0.999277
0.906044	0.982337683	20.38391	0.091953	0.213092	0.431516	0.666093	0.999277
0.864505	0.973827576	19.19165	0.103559	0.212143	0.488155	0.62544	0.999277
0.821901	0.96101795	463.7383	0.055821	0.137971	0.404588	0.685781	0.999277
0.092331	0.477085075	173.6671	0.246975	0.173743	1.421493	0.155174	0.991683

0.471998	0.841375046	15.45694	-0.00353	0.206267	-0.01714	0.986329	0.999277
0.50828	0.858925869	112.0275	0.009153	0.188782	0.048485	0.96133	0.999277
0.455646	0.829671446	33.55584	0.163188	0.216511	0.753716	0.45102	0.999277
0.662588	0.924602564	2146.918	0.044995	0.11372	0.395666	0.692351	0.999277
0.488871	0.850626682	12.09583	0.161609	0.193166	0.836633	0.402799	0.999277
0.094793	0.484179506	119.3992	-0.08225	0.180633	-0.45533	0.648874	0.999277
0.094865	0.484362694	21.30336	-0.1019	0.210919	-0.48312	0.629012	0.999277
0.808112	0.958353056	60.33693	0.056842	0.208404	0.272751	0.785045	0.999277
0.278529	0.720551707	490.5065	0.146306	0.130279	1.123025	0.261427	0.999277
0.745094	0.941278275	127.7127	0.055764	0.177415	0.314314	0.753283	0.999277
0.221409	0.67182881	13.23796	-0.06462	0.202957	-0.31839	0.750186	0.999277
0.695587	0.933115203	94.03427	0.126281	0.188163	0.671127	0.50214	0.999277
0.29473	0.733827953	23.69996	-0.02597	0.215111	-0.12074	0.903894	0.999277
0.587043	0.894310786	78.98303	0.037874	0.195212	0.194015	0.846164	0.999277
0.543808	0.875213603	18.6732	0.023785	0.210474	0.113008	0.910024	0.999277
0.864149	0.973827576	67.58465	0.058909	0.201927	0.291736	0.770489	0.999277
0.682053	0.929953423	73.97412	0.047106	0.202942	0.232118	0.816446	0.999277
0.741731	0.94054009	15.19184	0.033972	0.197188	0.172283	0.863215	0.999277
0.00337	0.081303821	74.04293	-0.23892	0.203869	-1.17192	0.241228	0.999277
0.705818	0.93479128	12.89641	0.025	0.201862	0.123849	0.901435	0.999277
0.916761	0.98454795	394.1553	0.089434	0.14957	0.59794	0.54988	0.999277
0.972	0.99553873	47.15409	0.075505	0.21389	0.353006	0.724084	0.999277
0.901059	0.981243428	62.44409	0.089866	0.205562	0.437169	0.661989	0.999277
0.958728	0.993223953	75.97569	0.084029	0.200991	0.418074	0.675893	0.999277
0.926027	0.985704596	159.1416	0.087622	0.168534	0.519909	0.603127	0.999277
0.541914	0.875015043	77.9571	0.141512	0.199234	0.71028	0.47753	0.999277
0.63027	0.911456731	75.5721	0.140337	0.205899	0.68158	0.495504	0.999277
0.634584	0.91246753	257.86	0.137248	0.150731	0.910552	0.362531	0.999277
0.78188	0.951692757	1087.931	0.116816	0.135346	0.863096	0.388084	0.999277
0.659666	0.922744951	59.02881	0.019193	0.211563	0.09072	0.927715	0.999277
0.533493	0.871784604	9.281773	0.002611	0.189047	0.013814	0.988979	0.999277
0.771592	0.94929683	119.5066	0.102469	0.187764	0.545732	0.58525	0.999277
0.05951	0.392821957	274.9283	-0.07499	0.144377	-0.51939	0.603491	0.999277
0.849852	0.96939872	48.51801	0.093949	0.214238	0.438525	0.661006	0.999277
0.42284	0.812942386	41.19745	-0.01731	0.216631	-0.07992	0.936304	0.999277
0.295484	0.734835359	30.64788	-0.03549	0.216934	-0.16358	0.870065	0.999277
0.732416	0.938791295	249.5554	0.098548	0.153262	0.643006	0.52022	0.999277
0.990941	0.998538548	216.0651	0.078203	0.155577	0.502665	0.6152	0.999277
0.68376	0.930609678	90.61468	0.043413	0.190755	0.227587	0.819967	0.999277
0.889582	0.978618144	318.424	0.087303	0.149149	0.585339	0.55832	0.999277
0.134304	0.558568523	130.9952	-0.04815	0.191044	-0.25205	0.801006	0.999277
0.855932	0.971290598	108.784	0.058337	0.184259	0.316606	0.751543	0.999277
0.829492	0.963218067	26.17654	0.0485	0.216779	0.223729	0.822968	0.999277
0.39078	0.794940918	267.3702	0.135613	0.163015	0.831909	0.40546	0.999277
0.104871	0.501924467	164.294	-0.10123	0.174623	-0.57971	0.562111	0.999277
0.633565	0.912379595	1639.556	0.022438	0.106545	0.210598	0.833201	0.999277
0.004329	0.095976463	323.5245	-0.11467	0.144913	-0.79129	0.428772	0.999277
0.653725	0.919811662	29.89718	0.013722	0.216983	0.063238	0.949577	0.999277
0.115454	0.523675854	82.54114	-0.02282	0.198863	-0.11477	0.908627	0.999277
0.826207	0.962521459	38.58429	0.048933	0.21639	0.226135	0.821097	0.999277
0.940744	0.988134075	101.7471	0.071514	0.212781	0.336091	0.736802	0.999277
0.242433	0.689768035	39.06987	-0.07303	0.214852	-0.33989	0.733939	0.999277

0.364522	0.781736589	63.23268	-0.01087	0.204945	-0.05305	0.957688	0.999277
0.022693	0.240110536	121.4514	-0.15339	0.183514	-0.83587	0.403227	0.999277
0.090233	0.472998796	25.19828	-0.15155	0.216272	-0.70073	0.483469	0.999277
0.570428	0.888935841	106.251	0.011129	0.206954	0.053775	0.957115	0.999277
0.753367	0.943880604	20.24487	0.037236	0.213699	0.174243	0.861674	0.999277
0.362537	0.780559211	96.48201	-0.04859	0.191496	-0.25376	0.799681	0.999277
0.008385	0.139284537	223.8068	-0.18436	0.152283	-1.21064	0.226035	0.999277
0.001242	0.041922107	276.0504	0.416441	0.143929	2.893371	0.003811	0.270667
0.933451	0.986607773	10.874	0.090447	0.189663	0.476883	0.633446	0.999277
0.279735	0.721300096	20.32319	-0.03014	0.210168	-0.14339	0.885984	0.999277
0.582713	0.892926328	301.5134	0.020239	0.166881	0.121278	0.903471	0.999277
0.287717	0.727979083	47.61415	-0.06415	0.21273	-0.30153	0.763008	0.999277
0.331693	0.757645795	285.5085	0.182131	0.161454	1.128064	0.259293	0.999277
0.066307	0.413778421	433.87	-0.11374	0.142232	-0.79968	0.423899	0.999277
0.289754	0.729268263	65.68906	0.183513	0.204545	0.897177	0.369624	0.999277
0.599738	0.898933866	52.48097	0.022235	0.209744	0.106012	0.915573	0.999277
0.116216	0.525543383	27.61677	-0.11524	0.216645	-0.53193	0.594777	0.999277
0.994912	0.998654685	84.5168	0.078757	0.205087	0.38402	0.700964	0.999277
0.54375	0.875213603	82.03575	0.010093	0.203317	0.049639	0.96041	0.999277
0.443277	0.822590959	39.96097	0.017431	0.215163	0.081015	0.93543	0.999277
0.510191	0.860157719	788.2585	0.026672	0.120603	0.221152	0.824974	0.999277
0.7243	0.9379278	2087.419	0.0272	0.118898	0.228766	0.819051	0.999277
0.337255	0.760158764	55.78371	0.19177	0.211251	0.907782	0.363994	0.999277
0.352048	0.773558047	73.66586	-0.00733	0.209515	-0.03497	0.9721	0.999277
0.598287	0.898370828	3257.947	0.006472	0.102746	0.062989	0.949775	0.999277
0.991761	0.998538548	188.9001	0.078216	0.16366	0.477918	0.632709	0.999277
0.987922	0.998384791	67.44881	0.076131	0.201428	0.377955	0.705464	0.999277
0.555755	0.882189828	103.3122	0.133797	0.18583	0.719998	0.471526	0.999277
0.626805	0.909718393	10.89174	0.007341	0.189836	0.038672	0.969152	0.999277
0.212876	0.662162147	387.1963	-0.08979	0.140543	-0.6389	0.522886	0.999277
0.800579	0.956587619	110.739	0.047548	0.188671	0.252016	0.801029	0.999277
0.073031	0.431176533	131.0087	-0.10044	0.180874	-0.55529	0.578697	0.999277
0.275767	0.717573093	70.31774	-0.03117	0.203331	-0.15328	0.878178	0.999277
0.928014	0.985704596	40.02853	0.087801	0.216199	0.406111	0.684661	0.999277
0.295553	0.734869588	112.1523	0.00188	0.180402	0.010421	0.991686	0.999277
0.756295	0.944670939	43.89417	0.03156	0.214263	0.147297	0.882898	0.999277
0.030431	0.279438008	290.1267	0.325184	0.161228	2.016912	0.043705	0.679331
0.88965	0.978618144	28.34681	0.095161	0.215433	0.44172	0.658692	0.999277
0.120067	0.532316027	24.81798	-0.09754	0.216502	-0.45054	0.652319	0.999277
0.557386	0.882863308	2332.383	0.13271	0.099616	1.332216	0.182789	0.999277
0.401076	0.799749836	171.8475	-0.02086	0.165014	-0.12642	0.899402	0.999277
0.973809	0.995861805	17.76097	0.071867	0.208801	0.344188	0.730705	0.999277
0.188025	0.635584592	64.80012	0.192499	0.204666	0.940554	0.346933	0.999277
0.3313	0.75739504	31.35532	0.149825	0.216998	0.690445	0.489915	0.999277
0.653287	0.919811662	339.4556	0.034084	0.152782	0.223092	0.823464	0.999277
0.112943	0.518563319	263.2094	-0.074	0.153109	-0.48335	0.628849	0.999277
0.972514	0.995679341	66.143	0.072468	0.202794	0.357348	0.720831	0.999277
0.361745	0.779860682	319.7637	0.013968	0.153825	0.090806	0.927647	0.999277
0.259862	0.704211455	83.01535	0.219771	0.200661	1.095235	0.273414	0.999277
0.403758	0.800156836	390.5055	0.030246	0.13433	0.225165	0.821851	0.999277
0.02216	0.236971664	135.6829	0.316772	0.190124	1.666133	0.095687	0.888089
0.302536	0.739758551	421.0852	-0.01347	0.139802	-0.09633	0.923258	0.999277

0.541541	0.874776529	387.7956	0.143649	0.145233	0.98909	0.322619	0.999277
0.557068	0.882863308	118.3177	0.032119	0.185652	0.173006	0.862647	0.999277
0.161477	0.600934292	49.89969	-0.03602	0.210479	-0.17114	0.864115	0.999277
0.556985	0.882863308	11.14866	-0.0088	0.192326	-0.04575	0.963507	0.999277
0.261875	0.705506963	72.45648	-0.01839	0.199595	-0.09215	0.926578	0.999277
0.925965	0.985704596	61.4555	0.064519	0.206616	0.312267	0.754838	0.999277
0.421034	0.812024774	355.822	-0.01874	0.143232	-0.13086	0.895882	0.999277
0.969799	0.99553873	35.61171	0.069834	0.217	0.321814	0.747594	0.999277
0.329258	0.755901285	342.8838	0.159743	0.138028	1.157325	0.247139	0.999277
0.211397	0.660664898	32.34244	0.167352	0.216509	0.772955	0.439549	0.999277
0.739845	0.940232174	31.1707	0.047749	0.216952	0.220089	0.825802	0.999277
0.151628	0.586631986	218.4803	-0.03354	0.155052	-0.2163	0.828754	0.999277
0.948736	0.991148678	67.02299	0.082353	0.201345	0.409016	0.682528	0.999277
0.07395	0.432412952	216.5942	-0.09624	0.158522	-0.60711	0.543781	0.999277
0.397038	0.797477006	144.7218	0.14492	0.175983	0.823489	0.41023	0.999277
0.442677	0.822412917	47.8263	-0.002	0.214457	-0.00931	0.992574	0.999277
0.410088	0.803289237	771.4911	0.138082	0.125671	1.098761	0.271872	0.999277
0.926679	0.985704596	34.07318	0.063298	0.216981	0.291721	0.7705	0.999277
0.132322	0.555028301	23.0896	0.294405	0.215312	1.367344	0.171518	0.999277
0.744095	0.940717284	134.1148	0.041322	0.182436	0.2265	0.820812	0.999277
0.931884	0.986607773	166.8717	0.08501	0.175002	0.485766	0.627133	0.999277
0.318671	0.75032045	35.07665	0.149365	0.21613	0.691088	0.489511	0.999277
0.285325	0.725910798	614.3142	-0.02593	0.143744	-0.18038	0.856854	0.999277
0.887751	0.978595482	21.49862	0.058363	0.212506	0.274642	0.783591	0.999277
0.426635	0.814589985	13.56903	0.17344	0.201212	0.861975	0.388701	0.999277
0.01161	0.167235744	51.00376	-0.12533	0.211686	-0.59206	0.553807	0.999277
9.72E-06	0.001528394	271.6932	-0.26542	0.168087	-1.57904	0.114326	0.929931
0.793703	0.955374511	55.09979	0.042459	0.211914	0.200359	0.8412	0.999277
0.177743	0.620338094	204.786	0.18569	0.155623	1.193206	0.232789	0.999277
0.18508	0.631890551	67.12885	-0.08905	0.203126	-0.43839	0.661103	0.999277
0.239574	0.688236474	48.1243	-0.04054	0.211766	-0.19143	0.848191	0.999277
0.553674	0.881128175	1598.239	0.035642	0.105671	0.337297	0.735893	0.999277
0.642653	0.914852273	81.55531	0.119357	0.196717	0.606745	0.54402	0.999277
0.06812	0.419228005	97.95185	0.256431	0.190398	1.346813	0.17804	0.999277
0.262046	0.705635136	39.6512	-0.03417	0.215745	-0.1584	0.874141	0.999277
0.690235	0.93167865	126.5262	0.100888	0.189626	0.532039	0.594699	0.999277
0.153273	0.589751086	99.10449	-0.08545	0.196229	-0.43546	0.663228	0.999277
0.867595	0.974472542	253.1605	0.056679	0.158894	0.356709	0.72131	0.999277
0.848743	0.968842937	29.77061	0.049401	0.216961	0.227693	0.819885	0.999277
0.352578	0.773559122	36.70684	-0.0444	0.216669	-0.20493	0.83763	0.999277
0.363312	0.780897006	42.48722	0.193481	0.21429	0.902891	0.366584	0.999277
7.80E-06	0.001390224	121.3637	-0.40683	0.185691	-2.19089	0.02846	0.592334
0.938426	0.987800164	172.2442	0.080014	0.166346	0.48101	0.63051	0.999277
0.570954	0.889335358	59.86119	0.126952	0.206693	0.614204	0.53908	0.999277
0.324509	0.754060554	87.70071	-0.00518	0.191983	-0.02698	0.97848	0.999277
0.484445	0.84842492	194.6791	0.120773	0.184133	0.6559	0.511889	0.999277
0.997074	0.998970767	124.7636	0.072683	0.17722	0.410126	0.681713	0.999277
0.612486	0.90495223	478.6797	0.136434	0.128855	1.058819	0.289682	0.999277
0.882764	0.976958449	64.28195	0.059467	0.207318	0.286837	0.774237	0.999277
0.272696	0.715514773	53.36745	0.183362	0.209118	0.876836	0.380576	0.999277
0.767277	0.948582884	37.22932	0.031357	0.215617	0.14543	0.884371	0.999277
0.714013	0.935646775	26.4485	0.105253	0.21617	0.4869	0.626329	0.999277

0.462173	0.834282544	178.2642	0.159203	0.182913	0.870377	0.384094	0.999277
0.464633	0.835901401	25.37704	-0.00946	0.216388	-0.04374	0.965114	0.999277
0.950301	0.991323144	32.61026	0.067517	0.216977	0.311172	0.755567	0.999277
0.012275	0.17168784	121.6967	-0.1651	0.180924	-0.91256	0.361474	0.999277
0.596917	0.897840318	9.726899	-0.00316	0.171259	-0.01845	0.985282	0.999277
0.013989	0.185007095	114.4279	-0.2441	0.194877	-1.25258	0.21036	0.999277
0.34836	0.770178033	401.2955	0.172206	0.134542	1.279947	0.200564	0.999277
0.15805	0.596830002	14.73623	-0.08986	0.201785	-0.4453	0.656102	0.999277
0.210503	0.659576262	83.63749	-0.09494	0.200129	-0.47442	0.635202	0.999277
0.488872	0.850626682	19.17935	-0.00424	0.210506	-0.02012	0.983948	0.999277
0.23999	0.688236474	193.1198	0.197662	0.15876	1.245041	0.213117	0.999277
0.023456	0.244449278	317.6522	-0.16508	0.143531	-1.15013	0.250091	0.999277
0.33304	0.758647824	13.16553	0.204803	0.200171	1.02314	0.306242	0.999277
0.857741	0.971994044	13.77475	0.051145	0.201682	0.253595	0.799809	0.999277
0.491856	0.852802998	31.43994	0.151479	0.216917	0.698328	0.484972	0.999277
0.503457	0.856224864	125.831	-0.00672	0.176525	-0.03804	0.969654	0.999277
0.764442	0.947560599	135.8759	0.049109	0.174281	0.28178	0.778112	0.999277
0.111115	0.515541263	67.16667	-0.15124	0.202381	-0.74731	0.454877	0.999277
0.311149	0.745298012	10.05725	-0.04059	0.190043	-0.2136	0.830859	0.999277
0.496336	0.853814273	36.01319	0.012301	0.215904	0.056976	0.954565	0.999277
0.727243	0.938587002	127.0992	0.107856	0.178025	0.605846	0.544617	0.999277
0.740923	0.940453933	169.1303	0.104047	0.184166	0.564961	0.5721	0.999277
0.86727	0.974472542	48.09458	0.090047	0.212557	0.423635	0.671832	0.999277
0.719249	0.93623476	356.8493	0.1091	0.149249	0.730995	0.464782	0.999277
0.767646	0.948584137	21.53072	0.098568	0.213991	0.460617	0.645073	0.999277
0.150258	0.583808726	2165.82	-0.09772	0.106128	-0.92077	0.357173	0.999277
0.618956	0.907334933	530.968	0.112929	0.12548	0.899973	0.368135	0.999277
0.631518	0.911456731	242.8578	0.111666	0.173967	0.641881	0.52095	0.999277
0.649041	0.918564805	257.7436	0.00563	0.165625	0.033994	0.972882	0.999277
0.834017	0.964463864	588.2618	0.086019	0.136525	0.630064	0.528653	0.999277
0.219072	0.669212189	52.14363	-0.06015	0.212579	-0.28293	0.777229	0.999277
0.817432	0.959821979	11.39991	0.050249	0.195578	0.256924	0.797237	0.999277
0.508112	0.85889821	10.68297	-0.00258	0.196104	-0.01317	0.989493	0.999277
0.186725	0.63316948	9.158002	0.254169	0.17714	1.434852	0.151329	0.984817
0.57668	0.890535872	207.4243	0.007305	0.207891	0.035137	0.971971	0.999277
0.177438	0.620338094	16.31659	0.238251	0.208762	1.141255	0.253764	0.999277
0.098605	0.490529402	49.34849	0.221224	0.214188	1.032851	0.301674	0.999277
0.735293	0.938791295	241.2973	0.032831	0.154887	0.211966	0.832134	0.999277
0.546397	0.876371998	410.3575	0.148934	0.150642	0.988661	0.322829	0.999277
0.720413	0.936474446	70.95945	0.106087	0.209196	0.507117	0.612072	0.999277
0.284158	0.725104907	59.64199	-0.0175	0.208574	-0.08392	0.933123	0.999277
0.455402	0.829671446	15.34465	-0.01201	0.205979	-0.05831	0.953502	0.999277
0.992634	0.998538548	129.1029	0.070377	0.19005	0.37031	0.711151	0.999277
0.583405	0.892957253	51.5	0.118545	0.211318	0.560981	0.57481	0.999277
0.084561	0.459278817	301.6595	-0.12438	0.156192	-0.79635	0.42583	0.999277
0.747723	0.942083826	189.5076	0.030038	0.171045	0.175616	0.860596	0.999277
0.337513	0.760158764	40.29842	0.1748	0.216616	0.806955	0.419692	0.999277
0.247464	0.695372431	9.157502	0.236197	0.177094	1.33374	0.182289	0.999277
0.190974	0.63818851	41.9107	-0.04217	0.216033	-0.19521	0.845227	0.999277
0.069036	0.421143478	224.7014	0.199616	0.160052	1.247193	0.212327	0.999277
0.695219	0.933115203	15.99473	0.126475	0.189415	0.667714	0.504316	0.999277
0.529817	0.869631775	21.24187	-0.00587	0.2145	-0.02737	0.978164	0.999277

0.494681	0.8532128	14.18284	-0.00197	0.20574	-0.00959	0.992351	0.999277
0.919267	0.985629344	36.2945	0.059549	0.216603	0.27492	0.783378	0.999277
0.716585	0.935880005	136.1664	0.114716	0.188239	0.609419	0.542247	0.999277
0.378431	0.789109046	185.9623	0.010993	0.16069	0.068411	0.945458	0.999277
0.682289	0.930003696	30.92378	0.014978	0.216914	0.069051	0.944949	0.999277
0.004495	0.098066682	93.48006	-0.1865	0.193121	-0.96572	0.334185	0.999277
0.095746	0.485938912	58.19744	0.211616	0.20792	1.017778	0.308784	0.999277
0.031007	0.282519361	120.3354	-0.07453	0.18227	-0.40888	0.682631	0.999277
0.953842	0.992357094	42.65249	0.063126	0.216317	0.29182	0.770424	0.999277
0.666669	0.925067398	88.39396	0.118593	0.201431	0.58875	0.556029	0.999277
0.909669	0.983145813	55.92977	0.057405	0.212679	0.269916	0.787225	0.999277
0.560064	0.88393878	38.93272	0.121097	0.215102	0.562975	0.573452	0.999277
0.622481	0.907988155	388.1334	0.120388	0.146948	0.819257	0.41264	0.999277
0.237266	0.685884173	70.09941	-0.08355	0.214671	-0.38918	0.69714	0.999277
0.014634	0.189912266	14.52303	-0.13004	0.204633	-0.63549	0.525111	0.999277
0.565609	0.886810873	382.334	0.026752	0.139696	0.191503	0.848131	0.999277
0.08073	0.449259545	43.84592	0.196515	0.214165	0.917588	0.358835	0.999277
0.44905	0.825078456	50.44874	0.135071	0.210846	0.640614	0.521773	0.999277
0.535417	0.872581522	61.27678	0.132397	0.204988	0.645876	0.51836	0.999277
0.74926	0.942352049	31.67357	0.096829	0.216815	0.446597	0.655166	0.999277
0.779974	0.951422339	115.0462	0.090504	0.179445	0.504354	0.614013	0.999277
0.192126	0.638821592	559.6488	0.204611	0.140304	1.458345	0.144746	0.977082
0.258837	0.703765032	66.36195	0.141596	0.201766	0.701785	0.482813	0.999277
0.894754	0.979860336	22.1025	0.055701	0.214125	0.260134	0.794761	0.999277
0.470406	0.840069754	212.5506	0.13409	0.16366	0.819319	0.412605	0.999277
0.865441	0.974209804	18.20714	0.045935	0.211653	0.217028	0.828186	0.999277
0.254251	0.700275264	56.28617	0.214917	0.206803	1.039236	0.298695	0.999277
0.623849	0.907988155	44.82445	0.019074	0.215205	0.088631	0.929375	0.999277
0.355699	0.774871619	263.9708	0.15275	0.158055	0.96644	0.333824	0.999277
0.873215	0.975929662	91.4152	0.086731	0.195557	0.443508	0.657398	0.999277
0.717069	0.935990129	9.380486	0.018236	0.187535	0.097242	0.922534	0.999277
0.477438	0.8432758	124.6463	0.123695	0.17995	0.687387	0.491839	0.999277
0.913427	0.983953937	48.23347	0.058503	0.211954	0.276019	0.782534	0.999277
0.796492	0.955633691	39.12456	0.094687	0.215324	0.439742	0.660124	0.999277
0.764442	0.947560599	135.3327	0.045907	0.17475	0.2627	0.792782	0.999277
0.804498	0.957461615	114.8335	0.041416	0.186172	0.222462	0.823954	0.999277
0.586297	0.894127733	51.6811	0.005402	0.211845	0.025501	0.979655	0.999277
0.469941	0.839788099	813.0961	0.13225	0.120185	1.100389	0.271163	0.999277
0.396736	0.797469231	35.18719	-0.02241	0.216862	-0.10334	0.917692	0.999277
0.568218	0.888146309	32.28694	0.121568	0.216922	0.560425	0.57519	0.999277
0.189649	0.637323952	21.40816	-0.08211	0.213099	-0.38531	0.700007	0.999277
0.511335	0.860852133	132.8132	0.146244	0.187058	0.781808	0.434327	0.999277
0.134959	0.560072582	34.8297	-0.06881	0.210912	-0.32626	0.744225	0.999277
0.051202	0.365418949	53.06193	-0.07617	0.208474	-0.36536	0.714844	0.999277
0.890357	0.978648335	317.3657	0.056165	0.142604	0.393853	0.69369	0.999277
0.193848	0.639447293	39.96581	-0.07748	0.215893	-0.35889	0.719677	0.999277
0.17021	0.611447512	67.9521	0.208066	0.208548	0.997688	0.318431	0.999277
0.102504	0.499226634	23.98889	-0.13268	0.21033	-0.6308	0.528173	0.999277
0.892161	0.979423868	1008.882	0.054783	0.116943	0.468457	0.639458	0.999277
0.048603	0.355952482	483.5043	0.183668	0.163134	1.125876	0.260218	0.999277
0.447424	0.824078276	12.43142	-0.01678	0.200732	-0.08359	0.933385	0.999277
0.857131	0.971778457	57.10374	0.048688	0.213095	0.22848	0.819273	0.999277

0.787812	0.954125065	348.1988	0.090542	0.147656	0.613194	0.539748	0.999277
0.874722	0.975929662	200.1914	0.080088	0.158556	0.505108	0.613483	0.999277
0.507968	0.85889821	64.24238	0.134643	0.208818	0.644787	0.519066	0.999277
0.970753	0.99553873	154.7548	0.071921	0.16897	0.425645	0.670366	0.999277
0.657321	0.921426159	41.13028	0.022236	0.216047	0.10292	0.918027	0.999277
0.326291	0.754362047	27.57688	0.211439	0.216993	0.974401	0.329857	0.999277
0.965617	0.994841882	66.6602	0.062399	0.209409	0.297974	0.765723	0.999277
0.299487	0.737986555	690.7342	0.142703	0.126595	1.127243	0.25964	0.999277
0.58507	0.893377404	26.47353	0.127827	0.21685	0.589471	0.555545	0.999277
0.301872	0.739758551	83.2797	0.000473	0.197355	0.002396	0.998088	0.999986
0.859159	0.972502766	110.5979	0.052663	0.183794	0.286533	0.77447	0.999277
0.920827	0.985704596	11.53796	0.082198	0.193149	0.425565	0.670425	0.999277
0.70931	0.934928732	47.23137	0.035418	0.21216	0.166939	0.867418	0.999277
0.356551	0.774961712	44.05339	-0.03618	0.215998	-0.1675	0.866976	0.999277
0.262046	0.705635136	38.89414	-0.04016	0.21586	-0.18606	0.852396	0.999277
0.927845	0.985704596	13.94672	0.057689	0.205199	0.281137	0.778606	0.999277
0.906491	0.982337683	202.5925	0.052884	0.162383	0.325677	0.744668	0.999277
0.301675	0.739758551	29.67393	-0.07668	0.217014	-0.35336	0.723816	0.999277
0.743417	0.940717284	96.60732	0.036235	0.189587	0.191124	0.848428	0.999277
0.504621	0.857065235	97.13349	0.135185	0.189972	0.711604	0.47671	0.999277
0.777682	0.950382298	36.23856	0.027232	0.216112	0.126011	0.899723	0.999277
0.173944	0.616249354	172.2174	-0.05838	0.16575	-0.3522	0.724687	0.999277
0.730963	0.938791295	20.84479	0.116429	0.214122	0.543752	0.586612	0.999277
0.816014	0.959674328	738.1995	0.0431	0.121634	0.354343	0.723082	0.999277
0.968884	0.99553873	25.88004	0.063762	0.21468	0.297011	0.766458	0.999277
0.759085	0.945577828	203.2184	0.040548	0.169157	0.239706	0.810558	0.999277
0.703186	0.934077476	64.83711	0.119529	0.204834	0.583538	0.559531	0.999277
0.16175	0.601189469	437.1383	-0.09413	0.133342	-0.7059	0.480252	0.999277
0.023892	0.246617881	207.3032	-0.23829	0.167429	-1.42325	0.154663	0.990194
0.526252	0.868304398	178.3796	0.01258	0.166577	0.075522	0.939799	0.999277
0.086989	0.464218963	103.0265	-0.18264	0.188743	-0.96764	0.333223	0.999277
0.632622	0.911817079	59.1073	0.003819	0.206264	0.018516	0.985227	0.999277
0.022688	0.240110536	63.01529	0.23914	0.20971	1.140336	0.254146	0.999277
0.551248	0.880267949	204.6114	0.002658	0.164524	0.016156	0.98711	0.999277
0.584374	0.893086908	14.68448	-0.00096	0.179815	-0.00536	0.995721	0.999303
0.995474	0.998654685	89.88863	0.067371	0.192403	0.350159	0.726219	0.999277
0.852555	0.969800108	63.84159	0.083204	0.210148	0.395932	0.692155	0.999277
0.193428	0.639447293	40.99567	-0.08946	0.214816	-0.41644	0.677086	0.999277
0.222855	0.67304695	79.2813	-0.04017	0.209933	-0.19133	0.848266	0.999277
0.342849	0.765527629	66.45858	-0.00858	0.203656	-0.04211	0.966414	0.999277
0.710475	0.935380887	38.63886	0.032565	0.215517	0.151104	0.879894	0.999277
0.850922	0.96960608	58.57041	0.045458	0.208542	0.217979	0.827446	0.999277
0.002062	0.057898157	187.729	-0.15301	0.168259	-0.90936	0.363158	0.999277
0.022338	0.238493213	279.6669	-0.15792	0.142977	-1.10454	0.26936	0.999277
0.832362	0.963806766	150.2829	0.083562	0.188619	0.443017	0.657753	0.999277
0.591345	0.895697175	44.4836	-0.00976	0.21522	-0.04534	0.963839	0.999277
0.274969	0.716893573	121.2321	-0.06217	0.210183	-0.29577	0.767405	0.999277
0.334251	0.759008088	35.65507	0.175343	0.216928	0.808298	0.418919	0.999277
0.826615	0.962521459	28.3561	0.090992	0.216918	0.419475	0.674869	0.999277
0.811262	0.958640484	28.25154	0.037006	0.215829	0.17146	0.863862	0.999277
0.008534	0.140618602	187.3432	-0.29405	0.177626	-1.65546	0.097831	0.893773
0.839211	0.965880415	135.7438	0.046633	0.179626	0.259614	0.795161	0.999277

0.632656	0.911817079	187.0416	0.005444	0.164988	0.032998	0.973676	0.999277
0.461895	0.833915601	9.331378	-0.03945	0.175848	-0.22435	0.822482	0.999277
0.070081	0.423879204	153.3592	0.195303	0.182466	1.070357	0.284459	0.999277
0.293838	0.733713995	51.62382	-0.08585	0.210844	-0.4072	0.683864	0.999277
0.588677	0.894695545	52.10197	0.14403	0.214051	0.672876	0.501026	0.999277
0.112396	0.518563319	40.50654	0.19569	0.215106	0.909739	0.36296	0.999277
0.56136	0.884546577	27.00422	0.119062	0.21682	0.549128	0.582917	0.999277
0.73948	0.940232174	23.86994	0.114228	0.215658	0.529672	0.596339	0.999277
0.663393	0.924637662	22.34778	0.120156	0.212117	0.566462	0.57108	0.999277
0.540221	0.873794135	16.92453	-0.01562	0.209688	-0.0745	0.940609	0.999277
0.096107	0.486139841	71.62312	-0.09941	0.202155	-0.49174	0.622907	0.999277
0.102706	0.499226634	84.02715	0.284547	0.21702	1.311152	0.189806	0.999277
0.42814	0.815001869	162.6367	0.023571	0.180811	0.130365	0.896278	0.999277
0.922627	0.985704596	58.3855	0.054332	0.21389	0.254017	0.799483	0.999277
0.312641	0.746663797	217.3136	0.134992	0.16187	0.833954	0.404307	0.999277
0.62253	0.907988155	65.03516	0.109552	0.205686	0.532617	0.594298	0.999277
0.212917	0.662162147	13.3432	-0.11672	0.200741	-0.58146	0.560927	0.999277
0.792436	0.954966399	117.0379	0.086202	0.18985	0.454051	0.649792	0.999277
0.220948	0.671826212	186.5091	0.149482	0.160995	0.928489	0.353154	0.999277
0.325777	0.754238284	105.3468	0.008285	0.201975	0.041022	0.967278	0.999277
0.797292	0.955972774	117.3653	0.036132	0.189829	0.190343	0.849041	0.999277
0.379813	0.790146437	162.4196	0.143953	0.178909	0.804616	0.421041	0.999277
0.59394	0.896300491	52.58279	0.125285	0.212141	0.590576	0.554805	0.999277
0.781599	0.951692757	71.34252	0.026628	0.205552	0.129542	0.896929	0.999277
0.528234	0.86914083	1344.514	0.113854	0.111537	1.020772	0.307363	0.999277
0.112869	0.518563319	11.27378	-0.16492	0.191087	-0.86303	0.388118	0.999277
0.752902	0.943694423	140.4975	0.026958	0.195618	0.137807	0.890393	0.999277
0.774506	0.949887304	810.5711	0.104423	0.128615	0.811909	0.416844	0.999277
0.106745	0.507099852	141.723	-0.04538	0.171546	-0.26453	0.791368	0.999277
0.149195	0.582539588	91.15466	-0.09174	0.191493	-0.47908	0.631881	0.999277
0.184452	0.631890551	37.16343	-0.10545	0.215774	-0.48871	0.62505	0.999277
0.494325	0.852929488	33.3617	-0.03422	0.216605	-0.15796	0.874485	0.999277
0.156735	0.595337949	162.749	0.170575	0.166173	1.026489	0.304661	0.999277
0.571509	0.88953848	95.87165	0.105689	0.19072	0.554159	0.57947	0.999277
0.097364	0.487623374	60.58561	-0.05639	0.209422	-0.26925	0.787738	0.999277
0.517352	0.863810282	86.22745	-0.03013	0.195621	-0.15404	0.877578	0.999277
0.500605	0.855482945	170.583	-0.02162	0.17519	-0.12339	0.901796	0.999277
0.583291	0.892957253	16.04917	-0.01514	0.199255	-0.07597	0.939445	0.999277
0.679369	0.928687921	53.44191	0.111178	0.210138	0.529072	0.596755	0.999277
0.768512	0.948979185	9.712179	0.104545	0.178757	0.584846	0.558651	0.999277
0.751914	0.943270258	153.1517	0.082268	0.186968	0.440011	0.659929	0.999277
0.693728	0.932436528	452.1755	0.107796	0.141801	0.760193	0.447139	0.999277
0.62514	0.908090896	21.26871	0.000598	0.214618	0.002785	0.997778	0.999986
0.625393	0.908260472	161.5393	0.134699	0.167351	0.804893	0.420882	0.999277
0.170125	0.611307739	18.62088	0.215249	0.212011	1.015276	0.309974	0.999277
0.899588	0.981243428	520.1805	0.080655	0.134162	0.601173	0.547724	0.999277
0.417677	0.809847715	46.8804	0.128055	0.214353	0.597401	0.55024	0.999277
0.622142	0.907988155	143.3102	0.109987	0.173333	0.634541	0.525728	0.999277
0.980122	0.996602004	28.56268	0.065838	0.216572	0.304003	0.761126	0.999277
0.83208	0.963729918	9.137042	0.093179	0.187511	0.496925	0.619242	0.999277
0.593526	0.895952177	146.1139	0.100369	0.172482	0.581908	0.560629	0.999277
0.775531	0.950185661	89.23697	0.03864	0.192908	0.200301	0.841245	0.999277

0.383433	0.790738618	42.9187	-0.01745	0.213952	-0.08155	0.935008	0.999277
0.679616	0.928687921	9.403226	0.009874	0.19055	0.051817	0.958675	0.999277
0.639993	0.914080615	229.6578	0.124244	0.151449	0.820363	0.412009	0.999277
0.344314	0.766294086	167.6234	-0.0307	0.17259	-0.17788	0.858815	0.999277
0.326968	0.754362047	137.7553	0.176857	0.178343	0.991673	0.321357	0.999277
0.648464	0.918363176	101.8274	0.113694	0.186809	0.608614	0.542781	0.999277
0.795921	0.95546283	102.6166	0.04294	0.193153	0.22231	0.824072	0.999277
0.982139	0.997345179	39.75715	0.065764	0.215731	0.304843	0.760485	0.999277
0.053968	0.375679925	277.3094	0.227123	0.152606	1.488294	0.136673	0.961317
0.603431	0.900674493	537.6552	0.019598	0.140827	0.139163	0.889321	0.999277
0.812538	0.958720759	330.8245	0.043589	0.140627	0.30996	0.756591	0.999277
0.232787	0.68238369	23.64499	-0.07645	0.213845	-0.35749	0.720724	0.999277
0.543219	0.875213603	13.57651	-0.02342	0.194415	-0.12045	0.904127	0.999277
0.091077	0.474447338	53.5189	-0.17524	0.210081	-0.83416	0.404189	0.999277
0.614646	0.905840947	139.3095	0.027823	0.183158	0.151908	0.879259	0.999277
0.623875	0.907988155	51.40559	0.133157	0.212983	0.6252	0.53184	0.999277
0.062365	0.402526365	173.1283	0.160367	0.179377	0.894021	0.371311	0.999277
0.816829	0.959821979	184.8248	0.034742	0.189754	0.183089	0.854728	0.999277
0.255736	0.701792046	143.9655	0.225332	0.176062	1.279839	0.200602	0.999277
0.613524	0.905484683	8.752637	-0.00437	0.185881	-0.0235	0.98125	0.999277
0.184133	0.631890551	36.87098	0.209042	0.216978	0.963423	0.335335	0.999277
0.744045	0.940717284	11.89808	0.030624	0.196301	0.156007	0.876027	0.999277
0.850919	0.96960608	109.5901	0.081863	0.191348	0.427824	0.668779	0.999277
0.116286	0.525543383	69.76366	0.233754	0.207827	1.124753	0.260694	0.999277
0.128071	0.547436547	149.1639	-0.05879	0.172198	-0.34143	0.732783	0.999277
0.081067	0.450318708	562.1856	0.201175	0.143748	1.399498	0.161664	0.999277
0.000254	0.015151819	257.5182	-0.2626	0.168305	-1.56024	0.118703	0.929931
0.516267	0.863162089	427.2423	0.010426	0.128566	0.081097	0.935365	0.999277
0.263905	0.706972283	14.62399	0.16835	0.206163	0.816587	0.414165	0.999277
0.198285	0.64523528	139.9893	0.206015	0.187557	1.098408	0.272026	0.999277
0.647608	0.917804222	31.12955	0.117887	0.216837	0.543664	0.586673	0.999277
0.278139	0.72007669	726.5258	0.169667	0.133761	1.268436	0.204642	0.999277
0.794477	0.95537781	11.976	0.027392	0.19037	0.143887	0.88559	0.999277
0.971713	0.99553873	845.4107	0.059495	0.130207	0.456925	0.647725	0.999277
0.606687	0.902971976	18.82298	0.124703	0.209106	0.596363	0.550933	0.999277
0.270276	0.713491766	62.67798	0.17179	0.214567	0.800636	0.423342	0.999277
0.383362	0.790738618	126.6213	-0.05796	0.182986	-0.31674	0.75144	0.999277
0.691249	0.93167865	40.88337	0.025879	0.21465	0.120562	0.904038	0.999277
0.08612	0.462935946	105.9302	0.199953	0.20109	0.994345	0.320055	0.999277
0.547264	0.876711816	189.4398	0.121674	0.165137	0.736803	0.461242	0.999277
0.892547	0.979423868	161.0902	0.047112	0.166691	0.282633	0.777459	0.999277
0.424528	0.813996405	17.35525	-0.02633	0.204058	-0.12905	0.897315	0.999277
0.791095	0.954486972	17.44468	0.088693	0.208184	0.42603	0.670086	0.999277
0.353067	0.773559122	18.40394	-0.01179	0.211263	-0.05582	0.955484	0.999277
0.601093	0.899179976	27.00819	-0.00402	0.216945	-0.01854	0.985212	0.999277
0.855336	0.970970725	33.84366	0.034812	0.21701	0.160418	0.872552	0.999277
0.113893	0.520198448	58.15065	-0.11147	0.215791	-0.51656	0.60546	0.999277
0.38613	0.792576238	138.6167	-0.0246	0.184323	-0.13345	0.89384	0.999277
0.213546	0.663368808	81.78329	0.161568	0.197261	0.819058	0.412753	0.999277
0.975036	0.996034757	242.0176	0.063895	0.168143	0.380004	0.703942	0.999277
0.92423	0.985704596	188.2176	0.050063	0.175788	0.284792	0.775804	0.999277
0.433823	0.817250644	181.9857	0.131611	0.168873	0.779352	0.435772	0.999277

0.660282	0.923124538	28.72978	0.111368	0.216811	0.513663	0.607487	0.999277
0.698126	0.93369059	10.1453	0.005321	0.185838	0.028631	0.977159	0.999277
0.714024	0.935646775	13.49433	0.029948	0.20386	0.146904	0.883207	0.999277
0.473264	0.841899731	97.01373	0.124827	0.189324	0.659329	0.509685	0.999277
0.393685	0.796005504	24.0994	0.176328	0.214518	0.821974	0.411091	0.999277
0.878666	0.976238309	68.20451	0.079524	0.206219	0.385631	0.69977	0.999277
0.438819	0.820032236	19.62842	0.119913	0.211715	0.566388	0.57113	0.999277
0.67902	0.928687921	118.5998	0.018899	0.184352	0.102517	0.918346	0.999277
0.23288	0.682500733	201.4919	0.189326	0.164947	1.147796	0.251053	0.999277
0.686452	0.931172733	197.2222	0.00251	0.161433	0.015546	0.987597	0.999277
0.050353	0.362810519	9.538053	-0.17522	0.189734	-0.9235	0.355747	0.999277
0.167706	0.607654212	176.4006	-0.09556	0.171529	-0.55713	0.577437	0.999277
0.313245	0.746673364	12.5307	-0.05485	0.200746	-0.27323	0.784675	0.999277
0.750327	0.942407307	25.92288	0.091354	0.215857	0.423215	0.672138	0.999277
0.651181	0.919166981	706.7103	0.03348	0.147082	0.227626	0.819937	0.999277
0.571046	0.889335358	94.06603	0.089935	0.192644	0.466848	0.640609	0.999277
0.033985	0.297695577	26.79879	0.359345	0.216303	1.6613	0.096653	0.889872
0.3217	0.751750527	2056.722	-0.07292	0.103318	-0.70578	0.480327	0.999277
0.331285	0.75739504	62.9933	0.140788	0.205421	0.68536	0.493117	0.999277
0.225576	0.675194667	221.9393	0.184365	0.178609	1.032229	0.301965	0.999277
0.317202	0.750019078	187.6599	-0.03218	0.16881	-0.19062	0.848824	0.999277
0.054511	0.377733852	82.08703	-0.09249	0.199588	-0.46341	0.643069	0.999277
0.692213	0.93199138	51.20618	0.012563	0.21134	0.059443	0.9526	0.999277
0.113653	0.519739296	114.5362	-0.04552	0.182305	-0.2497	0.802817	0.999277
0.434507	0.817804618	27.74661	0.140304	0.21658	0.647818	0.517103	0.999277
0.88817	0.978595482	25.99267	0.073801	0.216457	0.340951	0.733141	0.999277
0.042827	0.333998007	25.12494	-0.19832	0.216102	-0.9177	0.358775	0.999277
0.026896	0.262366343	43.85616	0.248545	0.216948	1.145643	0.251943	0.999277
0.213604	0.663392302	35.43706	0.146231	0.21591	0.677277	0.49823	0.999277
0.723155	0.937762828	504.3603	0.027778	0.130864	0.212265	0.8319	0.999277
0.889131	0.978618144	24.44159	0.078992	0.212454	0.37181	0.710034	0.999277
0.687128	0.931172733	227.9673	0.015713	0.159878	0.098282	0.921708	0.999277
0.171665	0.61337888	79.3302	-0.14094	0.202948	-0.69447	0.487391	0.999277
0.891407	0.979423868	121.4944	0.048312	0.179656	0.268915	0.787995	0.999277
0.891807	0.979423868	47.00563	0.045404	0.213422	0.212743	0.831527	0.999277
0.169348	0.610039483	332.4456	-0.04913	0.154496	-0.31801	0.750475	0.999277
0.718286	0.935996695	23.48563	0.010237	0.215074	0.047599	0.962036	0.999277
0.407635	0.802350555	82.97689	-0.05934	0.194207	-0.30553	0.75996	0.999277
0.669477	0.925330569	30.64357	0.017897	0.216971	0.082487	0.934259	0.999277
0.726007	0.938270758	10.21182	0.023118	0.180002	0.128431	0.897808	0.999277
0.41485	0.807960817	328.1814	-0.0326	0.150303	-0.21692	0.828271	0.999277
0.036998	0.312247873	279.4201	-0.18046	0.147444	-1.22391	0.220988	0.999277
0.76069	0.946049745	249.9369	0.022288	0.164982	0.135093	0.892538	0.999277
0.644304	0.915153198	256.6255	0.002192	0.157181	0.013945	0.988874	0.999277
0.452909	0.827495884	475.8088	0.118009	0.158849	0.742901	0.457542	0.999277
0.392605	0.795485504	133.3697	-0.01823	0.176917	-0.10304	0.917934	0.999277
0.77231	0.949459554	897.6311	0.08194	0.133117	0.615549	0.538192	0.999277
0.256577	0.702225162	401.6599	0.19204	0.15865	1.210465	0.2261	0.999277
0.70213	0.934077476	492.1707	0.020967	0.142057	0.147594	0.882663	0.999277
0.298553	0.736981872	148.7819	-0.03344	0.17477	-0.19132	0.848273	0.999277
0.45291	0.827495884	475.4132	0.117698	0.158797	0.741186	0.458581	0.999277
0.957366	0.993011151	108.7374	0.051243	0.183472	0.279296	0.780018	0.999277

0.104562	0.501644228	350.7867	0.205517	0.165961	1.238341	0.21559	0.999277
0.602232	0.899847403	53.68969	0.111193	0.212471	0.523332	0.600743	0.999277
0.425232	0.814337776	24.51506	0.173397	0.212253	0.816937	0.413964	0.999277
0.304046	0.739758551	102.2066	0.155487	0.186465	0.833866	0.404357	0.999277
0.092623	0.477746349	1744.077	-0.07109	0.099497	-0.71449	0.474925	0.999277
0.297117	0.735610983	80.05432	-0.06449	0.201468	-0.3201	0.748894	0.999277
0.912598	0.983953937	73.28652	0.049879	0.202906	0.245825	0.805818	0.999277
0.219182	0.669212189	128.1886	0.125468	0.182264	0.688389	0.491208	0.999277
0.270397	0.713603703	54.78276	-0.07552	0.207792	-0.36342	0.716293	0.999277
0.918143	0.98484315	26.11232	0.067512	0.216162	0.31232	0.754798	0.999277
0.765166	0.947560599	31.02165	0.092767	0.21692	0.427655	0.668903	0.999277
0.906373	0.982337683	29.41942	0.04382	0.216948	0.201983	0.83993	0.999277
0.895334	0.98009404	93.47733	0.064548	0.20165	0.3201	0.748893	0.999277
0.116702	0.526037829	218.0237	-0.1101	0.152415	-0.72238	0.470062	0.999277
0.249157	0.696015371	60.94188	-0.09841	0.208122	-0.47287	0.636307	0.999277
0.704947	0.934710222	16.21597	0.092248	0.209046	0.441282	0.659009	0.999277
0.046601	0.348543653	238.9893	0.168843	0.154334	1.094012	0.27395	0.999277
0.594112	0.896300491	186.8305	0.096384	0.161613	0.596388	0.550916	0.999277
0.122979	0.535747264	100.3833	-0.16028	0.194767	-0.82291	0.410559	0.999277
0.76543	0.947712044	27.34154	0.026252	0.216612	0.121195	0.903537	0.999277
0.513809	0.862499918	21.34868	0.147928	0.214543	0.689505	0.490505	0.999277
0.252255	0.698260289	1193.954	0.144718	0.107664	1.344158	0.178897	0.999277
0.004827	0.101930005	143.0942	-0.23537	0.17547	-1.34136	0.179804	0.999277
0.392844	0.795485504	275.3504	-0.04881	0.163157	-0.29915	0.764827	0.999277
0.548879	0.878215662	124.6534	-0.00149	0.178625	-0.00832	0.993363	0.999277
0.269825	0.712940894	88.98858	0.216548	0.198027	1.093529	0.274162	0.999277
0.183054	0.629886351	35.44371	-0.10035	0.216333	-0.46385	0.642754	0.999277
0.538667	0.873794135	12.08046	0.135064	0.196081	0.688819	0.490937	0.999277
0.481866	0.846450746	56.84344	0.136936	0.207886	0.658707	0.510084	0.999277
0.734546	0.938791295	12.515	0.008327	0.200648	0.041501	0.966896	0.999277
0.014578	0.189386215	69.87122	0.235859	0.202328	1.165729	0.243724	0.999277
0.81313	0.958983134	115.5533	0.031338	0.191634	0.163533	0.870099	0.999277
0.616036	0.9063422	289.399	-0.00884	0.149911	-0.05894	0.952999	0.999277
0.38044	0.790279608	132.8555	0.127542	0.192517	0.662496	0.507653	0.999277
0.274917	0.716893573	46.15477	-0.103	0.212272	-0.48523	0.627512	0.999277
0.900231	0.981243428	657.9995	0.067603	0.13184	0.51277	0.608113	0.999277
0.562641	0.885010828	39.66463	0.122089	0.215602	0.566269	0.571211	0.999277
0.130736	0.551104521	14.19362	0.255476	0.20457	1.248841	0.211723	0.999277
0.976564	0.996317022	300.2247	0.058376	0.15661	0.372748	0.709336	0.999277
0.798804	0.956432735	380.1027	0.028112	0.136659	0.20571	0.837017	0.999277
0.057334	0.386285247	82.80021	-0.13591	0.19509	-0.69663	0.486034	0.999277
0.829863	0.963218067	62.64088	0.082913	0.209819	0.395165	0.692721	0.999277
0.426674	0.814589985	75.16331	-0.03421	0.204698	-0.16713	0.86727	0.999277
0.322668	0.752329938	18.44948	-0.05869	0.21223	-0.27654	0.782133	0.999277
0.534704	0.872130388	148.3526	-0.00109	0.178764	-0.00609	0.995143	0.999277
0.500308	0.855216018	155.0748	0.148761	0.176098	0.844763	0.398243	0.999277
0.143418	0.572261075	117.7197	-0.09994	0.191616	-0.52155	0.60198	0.999277
0.59285	0.895885058	82.87721	0.108685	0.208915	0.520234	0.6029	0.999277
0.837323	0.965547986	801.2938	0.04321	0.1272	0.339699	0.734083	0.999277
0.222755	0.672985137	136.198	-0.06047	0.190779	-0.31695	0.75128	0.999277
0.029417	0.275558854	97.4315	-0.0782	0.189763	-0.41207	0.680287	0.999277
0.695941	0.933215429	19.26536	0.107719	0.212719	0.506392	0.612581	0.999277

0.481459	0.846450746	13.7653	0.146197	0.204023	0.71657	0.47364	0.999277
0.83874	0.96567072	29.5406	0.073828	0.216613	0.34083	0.733231	0.999277
0.5662	0.887313651	56.60851	0.001362	0.211268	0.006447	0.994856	0.999277
0.374823	0.787458382	63.80319	-0.06828	0.212249	-0.3217	0.747683	0.999277
0.433587	0.817250644	138.4608	-0.05232	0.180242	-0.29027	0.771613	0.999277
0.337508	0.760158764	167.6452	-0.03154	0.168433	-0.18724	0.851469	0.999277
0.819035	0.960094308	8.844709	0.085623	0.181572	0.471563	0.637239	0.999277
0.869889	0.975011477	131.5965	0.068237	0.181685	0.375578	0.707231	0.999277
0.533756	0.871787646	71.25373	0.094171	0.199668	0.471636	0.637187	0.999277
0.356211	0.774871619	20.83626	-0.06646	0.214152	-0.31032	0.756314	0.999277
0.053634	0.37515995	70.98026	-0.1552	0.206893	-0.75015	0.453163	0.999277
0.5044	0.856930036	549.5954	0.134191	0.135079	0.993429	0.320501	0.999277
0.516675	0.863191046	54.0224	-0.03484	0.209974	-0.16595	0.868199	0.999277
0.082733	0.454162753	114.6493	0.202421	0.185818	1.089355	0.275997	0.999277
0.706757	0.93479128	598.7248	0.103831	0.122433	0.848064	0.396402	0.999277
0.556755	0.8828165	27.75872	0.118308	0.215078	0.550072	0.58227	0.999277
0.930376	0.98599348	22.82525	0.044306	0.21588	0.205235	0.837389	0.999277
0.659642	0.922744951	39.65907	0.09957	0.216369	0.460187	0.645382	0.999277
0.985933	0.997877146	207.3646	0.052532	0.162121	0.324028	0.745917	0.999277
0.581056	0.892820666	32.22652	0.126605	0.216996	0.583444	0.559595	0.999277
0.679335	0.928687921	12.71149	0.009273	0.202705	0.045747	0.963512	0.999277
0.938939	0.987896639	306.8958	0.060564	0.142017	0.426456	0.669776	0.999277
0.399309	0.799634579	58.53371	-0.00255	0.210781	-0.0121	0.990347	0.999277
0.387804	0.793552228	52.37098	0.123064	0.209074	0.588615	0.556119	0.999277
0.633491	0.912379595	40.0392	0.010279	0.215122	0.047783	0.961889	0.999277
0.580801	0.892820666	961.2352	-0.02426	0.116662	-0.20797	0.835253	0.999277
0.825865	0.962521459	34.38451	0.075778	0.216903	0.349362	0.726817	0.999277
0.342468	0.765386004	46.25825	0.192248	0.214719	0.895346	0.370602	0.999277
0.128542	0.547610488	33.09805	-0.07974	0.216785	-0.36784	0.712993	0.999277
0.446891	0.824037121	35.76671	0.132877	0.216857	0.612738	0.54005	0.999277
0.474145	0.842005284	15.75352	0.144675	0.204182	0.708559	0.478598	0.999277
0.397804	0.798440835	93.10082	-0.06402	0.192324	-0.33286	0.739239	0.999277
0.401312	0.799749836	13.71477	0.159008	0.198939	0.799279	0.424129	0.999277
0.77542	0.950136239	479.4318	0.032142	0.143386	0.224165	0.822629	0.999277
0.327639	0.754803522	134.5906	0.134759	0.17668	0.762728	0.445626	0.999277
0.930376	0.98599348	22.82411	0.043738	0.215881	0.202604	0.839445	0.999277
0.976097	0.996295705	204.1537	0.058026	0.154719	0.375039	0.707632	0.999277
0.987262	0.998315506	19.14363	0.055986	0.211145	0.265154	0.790891	0.999277
0.125633	0.541719802	98.35286	-0.04512	0.18811	-0.23983	0.810459	0.999277
0.995541	0.998654685	35.34547	0.054351	0.073344	0.741042	0.458668	0.999277
0.659316	0.922449285	39.55951	0.003974	0.215777	0.018417	0.985306	0.999277
0.370276	0.785063019	138.1045	0.133405	0.176147	0.757348	0.448842	0.999277
0.157377	0.596613667	107.0535	-0.05855	0.187783	-0.3118	0.755194	0.999277
0.800702	0.956594149	52.80388	0.019255	0.210821	0.091331	0.927229	0.999277
0.641714	0.914411444	23.69967	0.005419	0.215593	0.025137	0.979946	0.999277
0.644539	0.915184476	142.0497	0.096296	0.185213	0.519922	0.603118	0.999277
0.835227	0.964924162	46.03993	0.079747	0.214905	0.371079	0.710579	0.999277
0.42897	0.815457184	34.42162	-0.03622	0.216605	-0.16723	0.867189	0.999277
0.494948	0.853342615	50.7728	-0.01147	0.210872	-0.05442	0.956603	0.999277
0.499877	0.855024636	395.7474	-0.0074	0.135983	-0.05445	0.956577	0.999277
0.889352	0.978618144	259.3323	0.045222	0.152356	0.29682	0.766604	0.999277
0.592599	0.895885058	19.63441	0.117595	0.213106	0.551815	0.581075	0.999277

0.048285	0.354754578	258.8176	-0.15067	0.162466	-0.92739	0.353726	0.999277
0.309988	0.744181593	33.97373	0.152315	0.216895	0.70225	0.482523	0.999277
0.303167	0.739758551	62.98613	-0.05402	0.209292	-0.2581	0.796329	0.999277
0.283273	0.724274556	179.5169	-0.03863	0.170713	-0.2263	0.820965	0.999277
0.515754	0.863014533	12.90119	-0.0358	0.202101	-0.17714	0.859397	0.999277
0.497485	0.853814273	30.44854	-0.0324	0.216858	-0.14943	0.881216	0.999277
0.217615	0.6680438	14.22135	-0.12739	0.20322	-0.62684	0.530761	0.999277
0.154368	0.591073298	62.37173	-0.14955	0.211838	-0.70594	0.480226	0.999277
0.084192	0.457758486	23.29239	0.26871	0.21531	1.248014	0.212026	0.999277
0.288989	0.728676762	15.02381	-0.06422	0.20692	-0.31038	0.756274	0.999277
0.472041	0.841375046	36.58513	0.140818	0.216058	0.651759	0.514557	0.999277
0.730819	0.938791295	63.24336	0.078557	0.203346	0.386321	0.699259	0.999277
0.751005	0.94273081	601.8727	0.035169	0.129367	0.271857	0.785732	0.999277
0.4644	0.835820297	20.11983	0.136189	0.213944	0.636562	0.52441	0.999277
0.748263	0.942119652	18.21471	0.084801	0.208324	0.407063	0.683962	0.999277
0.99552	0.998654685	14.62847	0.051031	0.206311	0.247348	0.804639	0.999277
0.5482	0.877474855	81.90603	0.110287	0.20186	0.546356	0.584821	0.999277
0.159	0.596830002	78.13661	-0.08825	0.198223	-0.4452	0.656176	0.999277
0.337921	0.760691694	196.1815	-0.04772	0.178794	-0.26692	0.78953	0.999277
0.021161	0.231284096	258.3262	-0.15376	0.177419	-0.86667	0.386124	0.999277
0.411486	0.804848885	25.50561	-0.04383	0.215912	-0.203	0.839133	0.999277
0.970229	0.99553873	47.44885	0.055875	0.212925	0.262417	0.793	0.999277
0.057856	0.388037243	40.60619	0.241905	0.215103	1.124603	0.260757	0.999277
0.811506	0.958640484	24.47918	0.072051	0.215977	0.333606	0.738677	0.999277
0.049339	0.359020579	35.66597	-0.11501	0.215798	-0.53297	0.594052	0.999277
0.678746	0.928687921	196.7842	0.100807	0.164172	0.614031	0.539195	0.999277
0.631974	0.911471704	203.7548	0.097105	0.158047	0.614409	0.538945	0.999277
0.696563	0.933417775	121.0338	-0.00474	0.182255	-0.02601	0.979247	0.999277
0.636408	0.912524658	83.59577	0.011136	0.194936	0.057126	0.954445	0.999277
0.330847	0.75739504	64.65515	0.154465	0.202948	0.761107	0.446593	0.999277
0.401249	0.799749836	24.62395	-0.06766	0.212122	-0.31899	0.749735	0.999277
0.963086	0.994289023	316.1453	0.04574	0.167002	0.273891	0.784169	0.999277
0.461482	0.833915601	41.48996	0.125731	0.216879	0.57973	0.562096	0.999277
0.940042	0.98808595	210.459	0.043303	0.165656	0.261406	0.79378	0.999277
0.084961	0.459602989	61.18591	-0.14554	0.205511	-0.70818	0.478831	0.999277
0.112763	0.518563319	97.17565	0.15396	0.194679	0.790841	0.429037	0.999277
0.934492	0.986607773	226.6965	0.060481	0.156871	0.385549	0.699831	0.999277
0.569291	0.888674109	84.72674	0.110098	0.197634	0.557079	0.577474	0.999277
0.669749	0.925330569	26.72926	0.002691	0.216703	0.012417	0.990093	0.999277
0.288369	0.728621266	37.93659	0.204685	0.203597	1.005342	0.314732	0.999277
0.828942	0.963218067	258.0883	0.075871	0.149102	0.508852	0.610856	0.999277
0.045541	0.344040196	103.5279	-0.2199	0.188138	-1.16884	0.242468	0.999277
0.936675	0.986885744	34.69383	0.042383	0.216934	0.195373	0.845101	0.999277
0.84619	0.968350774	178.5296	0.067744	0.168933	0.401011	0.688412	0.999277
0.550397	0.879306656	67.11147	-0.03519	0.203095	-0.17327	0.862436	0.999277
0.78216	0.95193736	99.10082	0.085678	0.198917	0.430723	0.66667	0.999277
0.219389	0.669689127	111.0612	-0.06019	0.184569	-0.32608	0.74436	0.999277
0.51148	0.860968744	9.576357	-0.0444	0.189978	-0.23369	0.815223	0.999277
0.277241	0.719029782	202.4644	-0.01853	0.170507	-0.10865	0.913478	0.999277
0.936173	0.986885744	141.973	0.041306	0.18153	0.227546	0.819999	0.999277
0.0681	0.419228005	33.5297	-0.21319	0.216558	-0.98444	0.3249	0.999277
0.47309	0.841778851	65.40592	0.130539	0.209805	0.622191	0.533817	0.999277

0.445961	0.824037121	15.14537	0.142716	0.20734	0.688318	0.491252	0.999277
0.690942	0.93167865	14.52632	0.099833	0.205684	0.485374	0.627411	0.999277
0.018794	0.216060658	227.8498	0.193839	0.164342	1.179488	0.238204	0.999277
0.38626	0.792576238	290.691	0.121563	0.159217	0.763503	0.445164	0.999277
0.352769	0.773559122	342.532	0.105636	0.141173	0.748276	0.454294	0.999277
0.958562	0.993186632	207.4332	0.043955	0.165541	0.265521	0.790608	0.999277
0.935382	0.986761346	31.59223	0.038791	0.215339	0.180138	0.857044	0.999277
0.66395	0.924678622	427.1767	0.084874	0.128653	0.659711	0.509439	0.999277
0.245261	0.693511647	141.5856	-0.05042	0.180212	-0.27979	0.779638	0.999277
0.177655	0.620338094	47.09071	0.244505	0.212073	1.152931	0.248939	0.999277
0.739091	0.940232174	155.2579	0.013156	0.175854	0.07481	0.940366	0.999277
0.229615	0.679793172	60.58576	0.190364	0.209577	0.908325	0.363707	0.999277
0.951863	0.992090104	19.54993	0.056244	0.210446	0.267263	0.789267	0.999277
0.145202	0.575086942	69.38701	-0.16375	0.202678	-0.80792	0.419135	0.999277
0.757533	0.945152186	1073.359	0.024216	0.118474	0.204398	0.838043	0.999277
0.194187	0.639493341	114.2245	-0.05042	0.187929	-0.26832	0.788456	0.999277
0.066186	0.413684134	31.7506	0.284205	0.21697	1.309882	0.190236	0.999277
0.074639	0.434158505	76.1024	-0.084	0.213593	-0.39327	0.694122	0.999277
0.063494	0.405312709	151.7005	0.213128	0.183955	1.15859	0.246623	0.999277
0.468286	0.838975872	21.63223	0.121338	0.214419	0.565892	0.571468	0.999277
0.468286	0.838975872	21.63216	0.121276	0.21442	0.5656	0.571665	0.999277
0.985001	0.997439038	23.81818	0.050837	0.215655	0.235735	0.813639	0.999277
0.011475	0.166009057	11.82461	-0.31526	0.185007	-1.70403	0.088375	0.851686
0.137226	0.564225137	509.9013	-0.05493	0.122316	-0.44908	0.653372	0.999277
0.530115	0.869704317	45.99433	-0.03151	0.212805	-0.14808	0.882278	0.999277
0.580023	0.892778779	41.43772	0.124487	0.216206	0.57578	0.564764	0.999277
0.356493	0.774961628	631.7919	0.158931	0.133806	1.187771	0.234924	0.999277
0.786188	0.95351673	104.8611	0.075121	0.185075	0.405895	0.68482	0.999277
0.618792	0.907334933	14.78369	-0.01924	0.206729	-0.09309	0.925831	0.999277
0.699191	0.933914128	19.45368	0.091323	0.208075	0.438896	0.660737	0.999277
0.179445	0.623409084	47.75621	-0.12857	0.211913	-0.6067	0.544052	0.999277
0.212304	0.662162147	509.7669	-0.05597	0.126301	-0.44313	0.65767	0.999277
0.649912	0.91886709	110.6504	0.084759	0.187167	0.452856	0.650653	0.999277
0.52363	0.867391373	75.85457	-0.01279	0.202342	-0.0632	0.949605	0.999277
0.592124	0.895697175	361.8365	-0.00405	0.14106	-0.02868	0.977121	0.999277
0.967703	0.995328227	10.87045	0.051904	0.193798	0.267826	0.788833	0.999277
0.807634	0.958353056	26.66594	0.016467	0.21664	0.076012	0.93941	0.999277
0.008137	0.137724381	603.4312	-0.18515	0.144025	-1.28553	0.198606	0.999277
0.531884	0.870752261	82.23714	0.101475	0.195771	0.518338	0.604223	0.999277
0.490748	0.852074096	17.53165	-0.02386	0.210889	-0.11313	0.909925	0.999277
0.807321	0.958353056	1349.146	0.030875	0.124857	0.247281	0.804691	0.999277
0.159706	0.597812924	19.95354	0.24263	0.209561	1.157802	0.246945	0.999277
0.558761	0.883273965	206.2153	0.010212	0.179773	0.056807	0.954699	0.999277
0.228888	0.678842511	198.9434	0.132313	0.163654	0.808493	0.418807	0.999277
0.397517	0.798318955	46.69033	0.130099	0.212429	0.612435	0.54025	0.999277
0.202956	0.650453833	372.0418	-0.10069	0.149193	-0.67488	0.499751	0.999277
0.250033	0.697015705	21.5711	-0.08662	0.214865	-0.40313	0.686849	0.999277
0.023761	0.245831722	285.9184	0.183366	0.161177	1.13767	0.255258	0.999277
0.388503	0.794025943	49.41284	0.13669	0.213225	0.641061	0.521483	0.999277
0.265076	0.708435983	22.7255	0.18397	0.21458	0.857347	0.391253	0.999277
0.416862	0.80885319	46.97299	0.134087	0.213624	0.627675	0.530217	0.999277
0.389238	0.79458437	124.9039	0.131289	0.185134	0.709155	0.478228	0.999277

0.000959	0.035993171	25.527	0.380383	0.211417	1.799207	0.071986	0.804391
0.25822	0.702821884	223.681	-0.11792	0.154621	-0.76267	0.445663	0.999277
0.754448	0.944073125	13.68683	0.00204	0.202887	0.010053	0.991979	0.999277
0.780153	0.951422339	47.44523	0.011344	0.213734	0.053077	0.95767	0.999277
0.003175	0.078628627	644.7717	-0.18829	0.127514	-1.47666	0.139766	0.966938
0.228023	0.677661951	73.51177	-0.10326	0.202059	-0.51103	0.609331	0.999277
0.598722	0.898722187	188.8339	0.101244	0.160976	0.628937	0.52939	0.999277
0.279563	0.721160992	94.65206	0.140418	0.198974	0.705709	0.480369	0.999277
0.223922	0.673833661	46.69171	0.134093	0.214752	0.624407	0.53236	0.999277
0.588919	0.894744713	105.0607	-0.01131	0.195484	-0.05784	0.953874	0.999277
0.351545	0.773184181	813.8538	-0.02686	0.119139	-0.22548	0.821604	0.999277
0.175848	0.618566312	468.1986	0.137033	0.144559	0.947933	0.343163	0.999277
0.664479	0.924678622	84.41215	0.071695	0.195889	0.365995	0.714369	0.999277
0.953826	0.992357094	74.2832	0.039913	0.201916	0.197673	0.843301	0.999277
0.012282	0.17168784	65.50518	-0.16446	0.204518	-0.80411	0.421333	0.999277
0.259444	0.704211455	21.04539	0.15559	0.210427	0.7394	0.459664	0.999277
0.817263	0.959821979	299.9633	0.018017	0.147158	0.122434	0.902555	0.999277
0.746244	0.941321938	14.27253	0.000491	0.204561	0.002402	0.998084	0.999986
0.511066	0.860852133	99.55099	-0.03521	0.189064	-0.18623	0.852262	0.999277
0.965277	0.994841882	16.77839	0.051476	0.210548	0.244488	0.806853	0.999277
0.013927	0.184501972	292.0474	-0.11006	0.149089	-0.73819	0.460402	0.999277
0.092801	0.47785484	187.0129	-0.07777	0.165221	-0.47068	0.637871	0.999277
0.720355	0.936474446	17.56843	-0.00578	0.210309	-0.02748	0.97808	0.999277
0.78598	0.95351673	94.77247	0.0723	0.188134	0.384299	0.700757	0.999277
0.516801	0.863260275	18.3469	-0.01262	0.211286	-0.05975	0.952353	0.999277
0.696913	0.933417775	1154.283	0.078442	0.107152	0.732059	0.464133	0.999277
0.686523	0.931172733	461.3957	0.070821	0.129385	0.547366	0.584128	0.999277
0.543111	0.875213603	38.55215	-0.01653	0.216549	-0.07635	0.939141	0.999277
0.207525	0.655474405	19.76025	0.162762	0.209581	0.77661	0.437389	0.999277
0.570987	0.889335358	141.4517	0.127922	0.177298	0.721504	0.470599	0.999277
0.094996	0.484844304	155.693	-0.11599	0.168733	-0.6874	0.491831	0.999277
0.426807	0.814589985	36.29675	-0.04985	0.216781	-0.22997	0.818116	0.999277
0.923142	0.985704596	20.57613	0.059386	0.212482	0.279487	0.779871	0.999277
0.906239	0.982337683	39.04329	0.060288	0.215263	0.280064	0.779428	0.999277
0.594712	0.896527484	17.79384	0.113966	0.20973	0.543393	0.58686	0.999277
0.35099	0.772547568	145.3073	-0.05112	0.171466	-0.29814	0.765594	0.999277
0.28426	0.725104907	576.1658	-0.04326	0.121829	-0.35509	0.722523	0.999277
0.323452	0.752685089	11.08685	-0.09869	0.197332	-0.50013	0.616986	0.999277
0.236269	0.685375543	44.55605	-0.07065	0.216025	-0.32706	0.743622	0.999277
0.386181	0.792576238	224.1456	-0.04537	0.168708	-0.26894	0.787972	0.999277
0.896779	0.980340433	10.33546	0.026731	0.189061	0.141388	0.887563	0.999277
0.310687	0.744846743	107.1504	-0.04782	0.190902	-0.25048	0.802214	0.999277
0.628672	0.910993455	134.1856	0.096192	0.180513	0.532884	0.594114	0.999277
0.774108	0.949821182	17.18543	0.086994	0.200304	0.43431	0.664063	0.999277
0.428092	0.815001869	372.8518	-0.02754	0.157	-0.17539	0.860777	0.999277
0.937853	0.987566423	143.9687	0.049834	0.177943	0.280056	0.779434	0.999277
0.133174	0.555792434	135.8774	-0.06662	0.187297	-0.35571	0.722059	0.999277
0.191986	0.638821592	157.0894	0.16248	0.172105	0.944077	0.34513	0.999277
0.47259	0.841589306	50.63483	0.140285	0.211436	0.663486	0.507019	0.999277
0.214692	0.665535268	152.492	-0.09956	0.174501	-0.57056	0.568301	0.999277
0.714363	0.935646775	232.4837	0.081057	0.157795	0.513689	0.607469	0.999277
0.779625	0.951422339	19.23893	0.082465	0.210751	0.391291	0.695582	0.999277

0.169317	0.610039483	93.79903	-0.09199	0.191725	-0.4798	0.631371	0.999277
0.327249	0.754586636	13.46078	0.174577	0.199496	0.875092	0.381524	0.999277
0.948748	0.991148678	26.04054	0.036259	0.216556	0.167436	0.867027	0.999277
0.701571	0.934077476	15.05063	0.093284	0.205634	0.45364	0.650088	0.999277
0.41859	0.810634665	161.1239	0.095591	0.168783	0.566352	0.571154	0.999277
0.590723	0.895697175	44.59639	0.106969	0.215449	0.496491	0.619548	0.999277
0.481805	0.846450746	16.79072	-0.05385	0.210025	-0.25642	0.797628	0.999277
0.409683	0.803007486	51.74247	0.116236	0.216524	0.536827	0.591387	0.999277
0.436558	0.819027755	10.96182	-0.05981	0.195434	-0.30604	0.759577	0.999277
0.451837	0.827016761	10.53049	-0.0355	0.195288	-0.18178	0.855752	0.999277
0.751702	0.943208031	65.50545	0.011541	0.208097	0.055461	0.955771	0.999277
0.492367	0.852802998	91.8318	-0.0364	0.192827	-0.18877	0.850273	0.999277
0.609345	0.903795926	129.9661	-0.02134	0.183849	-0.11609	0.907581	0.999277
0.221403	0.67182881	48.6745	0.137099	0.210836	0.650265	0.515521	0.999277
0.405256	0.801457729	103.5455	0.100417	0.192631	0.521289	0.602166	0.999277
0.527197	0.86864322	54.48515	0.101626	0.209938	0.484077	0.628331	0.999277
0.389191	0.79458437	15.707	0.14261	0.20434	0.697903	0.485238	0.999277
0.986253	0.997898544	38.9362	0.045461	0.216711	0.209777	0.833842	0.999277
0.259081	0.703866174	817.572	-0.11022	0.119593	-0.92162	0.356726	0.999277
0.871536	0.975692252	123.8077	0.060771	0.179855	0.337886	0.735449	0.999277
0.188393	0.635815525	29.09899	-0.05729	0.216315	-0.26485	0.791125	0.999277
0.900995	0.981243428	76.13599	0.034917	0.202355	0.172552	0.863004	0.999277
0.411042	0.804627647	21.07333	0.134296	0.214267	0.626769	0.530811	0.999277
0.266761	0.709752612	130.0146	0.15539	0.189952	0.818049	0.413329	0.999277
0.814486	0.9594188	22.48367	0.069217	0.215206	0.321633	0.747731	0.999277
0.313584	0.747179578	48.57868	-0.0787	0.215063	-0.36596	0.714397	0.999277
0.510189	0.860157719	189.412	0.005288	0.15937	0.033178	0.973533	0.999277
0.488269	0.850257924	240.1173	-0.02129	0.156216	-0.13629	0.891595	0.999277
0.956969	0.99298571	22.80421	0.038265	0.214353	0.178514	0.858319	0.999277
0.864395	0.973827576	129.6084	0.032277	0.177572	0.181766	0.855767	0.999277
0.441062	0.821346459	39.47999	-0.02977	0.21528	-0.13828	0.890021	0.999277
0.702467	0.934077476	17.47419	-0.00628	0.210492	-0.02985	0.976191	0.999277
0.664307	0.924678622	112.2217	0.089063	0.187587	0.474781	0.634943	0.999277
0.225738	0.675194667	19.30368	-0.1334	0.211786	-0.62989	0.528764	0.999277
0.723307	0.937772975	154.8754	0.012005	0.173269	0.069287	0.944761	0.999277
0.704488	0.934710222	225.2389	0.020613	0.154748	0.133206	0.894031	0.999277
0.238942	0.687956644	46.62029	0.176616	0.213009	0.829147	0.407022	0.999277
0.602754	0.900215646	23.88806	-0.00744	0.215956	-0.03445	0.972521	0.999277
0.012459	0.17275389	474.8685	0.277555	0.1285	2.159958	0.030776	0.607873
0.446216	0.824037121	84.1287	-0.01677	0.19326	-0.08678	0.930843	0.999277
0.951606	0.992040069	9.406676	0.051575	0.183231	0.281473	0.778348	0.999277
0.812844	0.958814894	236.0829	0.06672	0.157555	0.423474	0.67195	0.999277
0.693252	0.93240872	869.4983	0.095332	0.126313	0.754734	0.450409	0.999277
0.069295	0.421798316	114.0031	-0.1353	0.183824	-0.73601	0.461723	0.999277
0.737735	0.939957965	75.31315	-0.00109	0.205419	-0.0053	0.995768	0.999303
0.90727	0.982337683	141.1043	0.052451	0.176635	0.296946	0.766507	0.999277
0.326738	0.754362047	78.28823	0.150546	0.203672	0.739158	0.459811	0.999277
0.38805	0.793615153	81.67634	-0.02112	0.203925	-0.10355	0.917527	0.999277
0.786188	0.95351673	105.231	0.069146	0.185043	0.373674	0.708647	0.999277
0.090926	0.474214134	53.84497	0.252873	0.211135	1.197682	0.231041	0.999277
0.716876	0.935971964	44.14742	0.094742	0.215771	0.439086	0.660599	0.999277
0.136794	0.563317459	18.12519	0.258858	0.198517	1.303957	0.192248	0.999277

0.218178	0.668742889	154.0798	0.14788	0.174124	0.849283	0.395724	0.999277
0.617594	0.907005063	104.4413	0.094594	0.184958	0.511436	0.609046	0.999277
0.98646	0.997999438	126.6186	0.040564	0.181215	0.223842	0.82288	0.999277
0.575798	0.890535872	212.7471	0.097217	0.175307	0.55455	0.579202	0.999277
0.260562	0.704211455	44.27629	-0.04842	0.21592	-0.22426	0.822555	0.999277
0.31326	0.746673364	432.471	-0.0691	0.139776	-0.49438	0.621038	0.999277
0.933254	0.986607773	10.00673	0.05291	0.191523	0.276259	0.782349	0.999277
0.175584	0.617801141	20.2655	-0.1273	0.204588	-0.62221	0.533803	0.999277
0.866984	0.974472542	128.3024	0.05283	0.180912	0.29202	0.770271	0.999277
0.263685	0.706972283	345.4645	-0.06673	0.159296	-0.41891	0.675284	0.999277
0.43561	0.81818637	47.54605	-0.01733	0.213043	-0.08135	0.935161	0.999277
0.340171	0.763413261	357.3869	-0.09747	0.136584	-0.71366	0.475439	0.999277
0.927237	0.985704596	61.35921	0.030565	0.206631	0.147922	0.882404	0.999277
0.59731	0.897840318	101.255	0.103523	0.185735	0.557368	0.577276	0.999277
0.270872	0.713936492	78.42743	-0.082	0.200259	-0.40948	0.682185	0.999277
0.737461	0.939837349	80.41277	0.071168	0.202395	0.351629	0.725116	0.999277
0.030558	0.28016088	60.77829	0.225198	0.205928	1.093577	0.27414	0.999277
0.903357	0.982046283	108.0723	0.053514	0.195829	0.273268	0.784648	0.999277
0.223613	0.673605122	63.18156	-0.07499	0.211422	-0.35468	0.722826	0.999277
0.66318	0.924637662	114.3526	0.088918	0.182623	0.486897	0.626331	0.999277
0.020257	0.225289861	95.00622	-0.25337	0.192699	-1.31484	0.188562	0.999277
0.616139	0.9063422	64.86465	0.107521	0.202151	0.531886	0.594805	0.999277
0.631962	0.911471704	157.3598	-0.02165	0.171506	-0.12623	0.899549	0.999277
0.979468	0.996602004	57.34934	0.043689	0.206636	0.211431	0.832551	0.999277
0.197	0.64352339	157.3617	-0.07199	0.170262	-0.42281	0.672434	0.999277
0.726394	0.938408623	58.27532	0.080292	0.207986	0.386046	0.699463	0.999277
0.668102	0.925067398	10.35124	-0.0102	0.186675	-0.05464	0.956422	0.999277
0.682033	0.929953423	76.72783	0.010143	0.201176	0.050418	0.95979	0.999277
0.403894	0.800156836	11.2034	0.156613	0.195382	0.801575	0.422799	0.999277
0.917088	0.98454795	75.50183	0.050534	0.203428	0.248414	0.803814	0.999277
0.523315	0.867229944	423.529	0.098614	0.136097	0.724584	0.468707	0.999277
0.88514	0.977581014	84.63406	0.02609	0.194487	0.134148	0.893285	0.999277
0.69905	0.933914128	47.34955	0.085483	0.215616	0.396461	0.691765	0.999277
0.905831	0.982337683	48.72964	0.030073	0.211925	0.141903	0.887156	0.999277
0.165253	0.604468707	27.91952	0.157019	0.216907	0.7239	0.469127	0.999277
0.550883	0.879872103	67.88999	-0.04088	0.204734	-0.19968	0.841734	0.999277
0.409	0.803007486	9.553167	-0.05961	0.188103	-0.31692	0.751304	0.999277
0.779073	0.951367798	35.02262	0.07723	0.123202	0.626856	0.530754	0.999277
0.034666	0.301269986	233.3893	-0.15877	0.157329	-1.00916	0.312899	0.999277
0.092972	0.477985305	106.33	-0.085	0.185545	-0.45813	0.646862	0.999277
0.26897	0.711911233	177.1202	-0.06388	0.169579	-0.37671	0.706389	0.999277
0.46477	0.835932481	39.42758	0.113642	0.215577	0.527152	0.598088	0.999277
0.777626	0.950382298	27.47762	0.000209	0.216971	0.000963	0.999232	0.999986
0.568754	0.888146309	40.71938	0.116998	0.217005	0.539149	0.589784	0.999277
0.007795	0.133762147	21.9746	0.222831	0.213069	1.045818	0.295645	0.999277
0.914028	0.983953937	23.21069	0.024048	0.213402	0.112689	0.910277	0.999277
0.768047	0.948789209	52.24166	0.004404	0.210367	0.020937	0.983296	0.999277
0.786887	0.953782426	42.55225	0.001857	0.214636	0.008651	0.993097	0.999277
0.917326	0.98454795	96.29378	0.030818	0.188911	0.163135	0.870412	0.999277
0.208012	0.656087765	11.07835	0.220955	0.195264	1.131568	0.257816	0.999277
0.093394	0.47938224	504.5062	-0.11657	0.122698	-0.95002	0.342103	0.999277
0.918102	0.98484315	47.86249	0.030465	0.215353	0.141466	0.887502	0.999277

0.393021	0.795485504	41.03271	-0.07654	0.214444	-0.35693	0.721143	0.999277
0.015285	0.193851112	188.0446	0.164337	0.165543	0.992711	0.320851	0.999277
0.96967	0.99553873	28.22403	0.042961	0.217005	0.197972	0.843067	0.999277
0.382589	0.790738618	114.6106	0.108677	0.189419	0.573738	0.566145	0.999277
0.655425	0.920183555	63.19286	-0.00889	0.205069	-0.04335	0.965422	0.999277
0.963052	0.994289023	1097.959	0.035083	0.12269	0.28595	0.774916	0.999277
0.408558	0.802722163	122.2719	-0.04632	0.186023	-0.249	0.803364	0.999277
0.998457	0.998980571	13.35816	0.039135	0.201136	0.194569	0.845731	0.999277
0.242844	0.689924162	15.77159	-0.10835	0.20385	-0.53154	0.595045	0.999277
0.329114	0.755757664	26.07801	0.126441	0.214881	0.588424	0.556247	0.999277
0.742421	0.940595738	354.8477	0.068101	0.140373	0.485146	0.627573	0.999277
0.707974	0.93479128	8.761922	0.088871	0.187073	0.47506	0.634744	0.999277
0.150445	0.583808726	44.40021	-0.12539	0.213017	-0.58866	0.556089	0.999277
0.380431	0.790279608	189.7328	-0.03994	0.176332	-0.22653	0.820792	0.999277
0.008264	0.138597841	189.7671	0.253298	0.164777	1.53721	0.124242	0.938197
0.212496	0.662162147	40.58957	0.202819	0.216941	0.934906	0.349837	0.999277
0.985781	0.997875088	276.9075	0.040104	0.147481	0.271927	0.785678	0.999277
0.00181	0.053067719	53.07622	-0.22875	0.211647	-1.08081	0.279782	0.999277
0.820318	0.960399814	61.92818	0.060793	0.210211	0.289198	0.77243	0.999277
0.445993	0.824037121	92.68623	0.133419	0.192385	0.693503	0.487994	0.999277
0.269679	0.712834319	164.55	-0.01215	0.167282	-0.0726	0.942122	0.999277
0.853329	0.970018125	12.04634	0.018948	0.197418	0.095979	0.923537	0.999277
0.690042	0.93167865	242.0889	0.073215	0.158674	0.461416	0.6445	0.999277
0.615638	0.906204018	9.237238	0.102544	0.189902	0.539985	0.589207	0.999277
0.144708	0.574489312	145.9639	-0.08573	0.170053	-0.50413	0.614167	0.999277
0.878148	0.976223954	162.6943	0.053108	0.172505	0.307862	0.758188	0.999277
0.36352	0.781092503	50.91816	-0.02972	0.212869	-0.13962	0.888963	0.999277
0.562621	0.885010828	131.5592	-0.01744	0.179796	-0.09697	0.922747	0.999277
0.81863	0.959879229	91.95448	0.057471	0.197389	0.291158	0.77093	0.999277
0.361119	0.779001197	265.8272	0.145416	0.145984	0.996107	0.319198	0.999277
0.173388	0.615485608	16.78633	-0.15913	0.204044	-0.77987	0.435465	0.999277
0.330426	0.757080095	24.27833	0.173163	0.21617	0.801048	0.423104	0.999277
0.392851	0.795485504	73.1676	0.125218	0.203662	0.614833	0.538665	0.999277
0.603936	0.901144699	21.27233	-0.01768	0.214799	-0.0823	0.934406	0.999277
0.327671	0.754803522	247.109	-0.08986	0.150788	-0.59593	0.551222	0.999277
0.28249	0.723518772	11.14423	-0.11574	0.195587	-0.59174	0.554024	0.999277
0.311233	0.745298012	31.62495	-0.10053	0.216818	-0.46365	0.642898	0.999277
0.899885	0.981243428	353.8313	0.027559	0.143899	0.191518	0.84812	0.999277
0.02563	0.256430715	26.24616	-0.13434	0.216578	-0.62028	0.535071	0.999277
0.512954	0.861822466	107.2149	-0.02474	0.188392	-0.1313	0.895541	0.999277
0.693057	0.932282511	959.0289	0.015808	0.111112	0.142273	0.886865	0.999277
0.008696	0.141565957	345.8357	-0.16865	0.160436	-1.0512	0.293166	0.999277
0.073247	0.431176533	124.6361	0.298759	0.191369	1.561164	0.118485	0.929931
0.718754	0.936137876	43.42636	0.082746	0.216825	0.381626	0.702739	0.999277
0.285897	0.726541819	60.6908	0.185443	0.207668	0.892978	0.371869	0.999277
0.705309	0.93479128	75.81244	0.083046	0.197775	0.419901	0.674558	0.999277
0.905575	0.982337683	189.8118	0.02533	0.17089	0.148225	0.882165	0.999277
0.71213	0.935646775	36.37665	0.072037	0.216819	0.332245	0.739704	0.999277
0.63419	0.912411508	62.29358	0.106324	0.205315	0.51786	0.604556	0.999277
0.479316	0.845253184	12.37605	0.139242	0.197018	0.706749	0.479723	0.999277
0.818241	0.959879229	14.59839	0.007396	0.203549	0.036333	0.971017	0.999277
0.189299	0.637048525	205.1391	-0.09468	0.165129	-0.57338	0.566387	0.999277

0.349289	0.771314219	298.2595	-0.08124	0.159042	-0.5108	0.60949	0.999277
0.95208	0.992238646	73.03579	0.032952	0.199785	0.164939	0.868992	0.999277
0.476914	0.84304528	108.5172	-0.06671	0.197949	-0.33701	0.73611	0.999277
0.368872	0.784642144	209.3141	0.116424	0.156646	0.743234	0.45734	0.999277
0.892428	0.979423868	240.1962	0.020688	0.152468	0.135687	0.892069	0.999277
0.473027	0.841778851	84.31112	0.121994	0.19696	0.619384	0.535663	0.999277
0.655617	0.920355683	44.87519	0.093771	0.216215	0.433694	0.66451	0.999277
0.326757	0.754362047	37.2674	-0.10178	0.215426	-0.47248	0.636587	0.999277
0.039012	0.320909863	112.5264	-0.16516	0.190172	-0.8685	0.385122	0.999277
0.033053	0.291631928	43.66613	0.182831	0.214138	0.853803	0.393214	0.999277
0.728483	0.938587002	440.9188	0.072599	0.155642	0.466452	0.640892	0.999277
0.853237	0.96999687	67.18954	0.049403	0.210046	0.235198	0.814055	0.999277
0.878051	0.976223954	22.66257	0.052296	0.215453	0.242728	0.808216	0.999277
0.609472	0.903795926	417.9742	0.107962	0.135456	0.797022	0.425438	0.999277
0.686071	0.931172733	885.702	-0.01811	0.122454	-0.14792	0.882403	0.999277
0.974406	0.996034757	23.04753	0.040244	0.215701	0.186571	0.851997	0.999277
0.682814	0.930300661	21.2939	-0.01187	0.204281	-0.05812	0.953654	0.999277
0.211926	0.661564137	47.62329	0.188376	0.211469	0.890795	0.373039	0.999277
0.366668	0.783262699	59.96613	0.159271	0.208361	0.764401	0.444629	0.999277
0.119859	0.531868596	43.55944	0.164299	0.214427	0.766222	0.443544	0.999277
0.807178	0.958353056	103.5395	0.051421	0.192902	0.266565	0.789804	0.999277
0.539272	0.873794135	23.54743	-0.02939	0.215638	-0.13627	0.891606	0.999277
0.982859	0.997409543	155.8746	0.032998	0.176398	0.187066	0.851609	0.999277
0.5566	0.882675674	202.8391	0.111024	0.173204	0.641002	0.521521	0.999277
0.447732	0.824078276	177592.9	0.131477	0.209035	0.628973	0.529367	0.999277
0.396283	0.797158594	63.76357	0.104997	0.208186	0.504341	0.614022	0.999277
0.108127	0.510417982	94.21658	-0.15405	0.195019	-0.7899	0.429584	0.999277
0.236737	0.685759421	19.82091	-0.12385	0.212536	-0.5827	0.560094	0.999277
0.160463	0.599197332	172.1367	0.154441	0.167122	0.924126	0.355421	0.999277
0.482196	0.846450746	340.314	0.083016	0.141646	0.586078	0.557823	0.999277
0.785269	0.953405093	52.22326	0.0605	0.209022	0.289442	0.772243	0.999277
0.593863	0.896300491	73.93151	0.088913	0.199294	0.44614	0.655496	0.999277
0.52414	0.867549282	49.58823	0.120112	0.210828	0.569716	0.56887	0.999277
0.198977	0.646034386	185.5618	0.157893	0.179231	0.880945	0.378348	0.999277
0.71316	0.935646775	262.9229	-0.00136	0.151901	-0.00898	0.992833	0.999277
0.682532	0.930199823	136.9059	0.061038	0.174415	0.34996	0.726369	0.999277
0.350164	0.771619941	15.3006	0.149257	0.19821	0.753023	0.451436	0.999277
0.783437	0.952710845	157.2406	0.005991	0.171832	0.034865	0.972187	0.999277
0.713036	0.935646775	104.9803	0.002405	0.190503	0.012627	0.989926	0.999277
0.463173	0.835155013	29.4327	-0.04608	0.216855	-0.21248	0.831735	0.999277
0.472349	0.841402894	104.6698	-0.06853	0.195794	-0.35003	0.726314	0.999277
0.950114	0.991323144	110.423	0.040075	0.186829	0.2145	0.830157	0.999277
0.888835	0.978618144	54.15138	0.047657	0.211248	0.225598	0.821514	0.999277
0.183334	0.63013277	142.8691	-0.13776	0.178996	-0.76962	0.441523	0.999277
0.945978	0.989708344	63.93596	0.028007	0.206312	0.135753	0.892017	0.999277
0.057722	0.387718628	348.1192	-0.10572	0.151842	-0.69624	0.486281	0.999277
0.745742	0.941321938	118.2162	0.000121	0.190369	0.000634	0.999494	0.999986
0.179397	0.623409084	87.3341	-0.13859	0.200492	-0.69127	0.489397	0.999277
0.946403	0.989872195	17.4659	0.042738	0.210307	0.20322	0.838963	0.999277
0.333708	0.75900431	56.89812	0.150446	0.213098	0.705993	0.480193	0.999277
0.421428	0.812024774	314.0934	0.106763	0.145764	0.732437	0.463902	0.999277
0.635321	0.91246753	182.1289	0.080263	0.169788	0.472723	0.636411	0.999277

0.680302	0.928926014	92.98123	0.071424	0.203997	0.350123	0.726246	0.999277
0.36178	0.779860682	94.2356	0.093506	0.191709	0.487752	0.625726	0.999277
0.488608	0.850420427	322.0957	-0.04172	0.144216	-0.28929	0.772361	0.999277
0.280174	0.721360425	62.65747	-0.06256	0.205644	-0.30421	0.760966	0.999277
0.322737	0.752358087	23.96613	-0.06337	0.21411	-0.29596	0.767261	0.999277
0.070525	0.424835537	290.1206	-0.18861	0.148572	-1.26952	0.204256	0.999277
0.35644	0.774961628	351.8799	-0.05914	0.148749	-0.39755	0.690963	0.999277
0.559527	0.883752388	597.3263	-0.02089	0.148142	-0.14098	0.887883	0.999277
0.918239	0.98484315	30.3976	0.044778	0.21691	0.206437	0.836449	0.999277
0.02414	0.248526977	111.7171	-0.2918	0.185881	-1.56981	0.116459	0.929931
0.2517	0.697958034	173.5746	0.099923	0.166666	0.599543	0.548811	0.999277
0.179717	0.623888114	177.6797	0.140749	0.16637	0.846	0.397553	0.999277
0.957715	0.993016963	64.36529	0.029635	0.210426	0.140836	0.888	0.999277
0.992677	0.998538548	67.69869	0.03315	0.203418	0.162966	0.870545	0.999277
0.779771	0.951422339	45.26654	0.073707	0.214798	0.343147	0.731488	0.999277
0.975734	0.996295705	179.9459	0.031185	0.160816	0.193916	0.846242	0.999277
0.232659	0.682307462	65.63024	0.157147	0.206756	0.760061	0.447218	0.999277
0.441956	0.822000753	12.87666	-0.06523	0.201433	-0.32381	0.746083	0.999277
0.018576	0.215051949	191.2562	0.229867	0.211974	1.084414	0.278181	0.999277
0.834228	0.964463864	11.26524	0.009326	0.196426	0.047479	0.962131	0.999277
0.771311	0.94929683	73.97599	0.062576	0.201057	0.311238	0.75562	0.999277
0.853132	0.969959825	172.2389	0.007818	0.17467	0.044757	0.964301	0.999277
0.900665	0.981243428	13.96708	0.048683	0.199134	0.244473	0.806864	0.999277
0.860644	0.972797288	1011.269	0.018837	0.105722	0.178178	0.858583	0.999277
0.643951	0.914980232	655.6924	-0.01033	0.134584	-0.07672	0.938843	0.999277
0.842794	0.967136156	36.42604	0.015314	0.216099	0.070866	0.943504	0.999277
0.611256	0.904473039	68.07542	0.073367	0.2125	0.345256	0.729902	0.999277
0.865967	0.974358646	69.30102	0.017555	0.208565	0.08417	0.932921	0.999277
0.889515	0.978618144	12.38995	0.053723	0.20041	0.268064	0.78865	0.999277
0.6726	0.926890265	103.4137	-0.01335	0.198526	-0.06724	0.946391	0.999277
0.801828	0.956760489	288.3359	0.060657	0.154367	0.392943	0.694362	0.999277
0.75364	0.943904156	23.83144	-0.01246	0.216149	-0.05764	0.954036	0.999277
0.678612	0.928687921	111.3223	0.076248	0.192053	0.397014	0.691357	0.999277
0.916601	0.98454795	250.4961	0.044123	0.173781	0.253901	0.799572	0.999277
0.34989	0.771454722	374.0734	0.111216	0.143252	0.776361	0.437536	0.999277
0.875338	0.975929662	406.9038	0.013266	0.143929	0.092174	0.92656	0.999277
0.588627	0.894695545	679.8621	0.082596	0.126873	0.651013	0.515038	0.999277
0.785969	0.95351673	396.116	0.053753	0.137525	0.390858	0.695902	0.999277
0.134233	0.558568523	51.72832	0.145572	0.209791	0.693891	0.487751	0.999277
0.586864	0.894310786	144.2951	-0.02023	0.175789	-0.11507	0.908392	0.999277
0.543327	0.875213603	379.4914	-0.02567	0.171613	-0.14959	0.881092	0.999277
0.631473	0.911456731	129.6321	0.086364	0.201084	0.429492	0.667565	0.999277
0.100523	0.493641174	137.1274	0.130016	0.178145	0.729837	0.46549	0.999277
0.695535	0.933115203	76.80533	-0.00909	0.202312	-0.04491	0.964177	0.999277
0.621716	0.907988155	363.6193	0.099306	0.15437	0.643297	0.520031	0.999277
0.001177	0.040547306	152.0156	-0.27939	0.172057	-1.62385	0.104407	0.901603
0.462423	0.834620972	12.99894	-0.07132	0.202197	-0.35272	0.724296	0.999277
0.920296	0.985704596	204.4416	0.023661	0.157616	0.150117	0.880673	0.999277
0.950087	0.991323144	33.78137	0.039318	0.216946	0.181234	0.856184	0.999277
0.302357	0.739758551	117.2856	-0.09074	0.18448	-0.49185	0.622826	0.999277
0.606319	0.902725341	41.73978	0.073866	0.213918	0.3453	0.729869	0.999277
0.492833	0.852802998	37.53145	0.110217	0.216943	0.508045	0.611422	0.999277

0.005951	0.114461244	49.21247	-0.17781	0.212213	-0.8379	0.402088	0.999277
0.687988	0.931274743	171.5037	0.009476	0.171477	0.055261	0.95593	0.999277
0.804408	0.957461615	75.1976	0.004397	0.19954	0.022034	0.982421	0.999277
0.333499	0.758917993	334.549	-0.0407	0.178113	-0.22851	0.819253	0.999277
0.041534	0.330996125	98.49524	0.289781	0.190056	1.524718	0.127329	0.949266
0.443074	0.82258459	64.27858	0.094075	0.205816	0.457083	0.647611	0.999277
0.795569	0.95546283	334.065	0.009139	0.140433	0.065078	0.948112	0.999277
0.599547	0.898925427	63.24365	-0.01908	0.204138	-0.09349	0.925516	0.999277
0.713505	0.935646775	51.40081	-0.0036	0.209807	-0.01714	0.986327	0.999277
0.236633	0.685759421	1492.362	-0.05579	0.11392	-0.48976	0.624307	0.999277
0.040253	0.325504098	126.885	-0.24997	0.181197	-1.37953	0.167731	0.999277
0.955339	0.992623776	25.53879	0.024278	0.208188	0.116615	0.907165	0.999277
0.201347	0.648648755	140.8304	0.163139	0.187189	0.87152	0.38347	0.999277
0.046872	0.348855327	61.96885	-0.12648	0.203612	-0.62116	0.534494	0.999277
0.002189	0.060575569	215.4963	0.272289	0.156546	1.739356	0.081972	0.833811
0.605855	0.902436176	16.03503	0.09207	0.206499	0.445864	0.655696	0.999277
0.542363	0.875153488	163.0121	0.080937	0.16792	0.481996	0.629809	0.999277
0.434429	0.817774782	218.7903	-0.0716	0.15739	-0.45492	0.649169	0.999277
0.639499	0.91395105	105.5849	-0.027	0.183592	-0.14705	0.883091	0.999277
0.30405	0.739758551	53.4505	-0.07019	0.210854	-0.33288	0.739223	0.999277
0.255681	0.701792046	293.9168	0.133467	0.159816	0.835127	0.403646	0.999277
0.872496	0.975790709	14.41219	0.054905	0.192789	0.284795	0.775801	0.999277
0.129836	0.549233546	602.8879	0.178695	0.120157	1.487178	0.136968	0.961317
0.09695	0.486645207	233.7392	-0.11877	0.15504	-0.76606	0.443641	0.999277
0.374127	0.787458382	263.6526	-0.09287	0.164284	-0.56532	0.571856	0.999277
0.804251	0.957461615	53.58542	0.000532	0.215472	0.002471	0.998029	0.999986
0.928523	0.985704596	47.62562	0.02379	0.21543	0.11043	0.912068	0.999277
0.264622	0.707885757	141.3399	0.104504	0.175965	0.593889	0.552586	0.999277
0.449507	0.825351793	52.43735	0.097713	0.21059	0.463998	0.642649	0.999277
0.820367	0.960399814	2179.023	0.058097	0.096653	0.601089	0.547781	0.999277
0.023528	0.24476127	123.3915	-0.17495	0.17801	-0.98283	0.325689	0.999277
0.594693	0.896527484	64.65454	-0.01124	0.213444	-0.05266	0.958004	0.999277
0.715077	0.935646775	118.4322	-0.00014	0.188727	-0.00073	0.999416	0.999986
0.120612	0.533405714	34.02633	-0.09864	0.216905	-0.45475	0.649288	0.999277
0.850666	0.96960608	174.5938	0.017911	0.167286	0.10707	0.914734	0.999277
0.367487	0.783695365	43.07434	-0.09353	0.215476	-0.43404	0.664258	0.999277
0.078279	0.443891664	16.83807	0.193108	0.204183	0.945761	0.344271	0.999277
0.226521	0.675763848	154.5219	0.122832	0.172368	0.712618	0.476082	0.999277
0.978609	0.996602004	1737.718	0.032852	0.108784	0.301992	0.762658	0.999277
0.697044	0.933417775	43.23527	0.00274	0.216173	0.012675	0.989887	0.999277
0.834008	0.964463864	18.35524	0.012338	0.212447	0.058077	0.953687	0.999277
0.668592	0.925067398	13.59927	-0.00606	0.203399	-0.02977	0.976248	0.999277
0.865715	0.974238603	131.7219	0.046135	0.173887	0.265316	0.790766	0.999277
0.083274	0.455637862	165.3462	0.193219	0.173733	1.112157	0.26607	0.999277
0.961687	0.994289023	54.46415	0.033147	0.209739	0.158037	0.874427	0.999277
0.357043	0.775442987	82.19304	0.107601	0.206524	0.521007	0.602362	0.999277
0.165822	0.605102404	72.40478	-0.05617	0.207564	-0.27061	0.786691	0.999277
0.435127	0.817935904	46.94614	0.132853	0.21631	0.614179	0.539097	0.999277
0.728542	0.938587002	35.89196	0.067512	0.216515	0.311814	0.755182	0.999277
0.082681	0.454162753	173.2798	0.170998	0.169223	1.010486	0.312262	0.999277
0.455809	0.829671446	38.14974	-0.02908	0.216605	-0.13426	0.893193	0.999277
0.857396	0.971994044	33.78439	0.050517	0.216633	0.233191	0.815613	0.999277

0.912953	0.983953937	73.49563	0.039285	0.204539	0.192068	0.847689	0.999277
0.888004	0.978595482	19.82103	0.010504	0.21378	0.049134	0.960812	0.999277
0.63964	0.913956692	313.3966	-0.00302	0.152542	-0.01979	0.984207	0.999277
0.641741	0.914411444	206.4647	0.070958	0.161979	0.438065	0.661339	0.999277
0.561968	0.885010828	108.8868	0.07687	0.188013	0.408855	0.682646	0.999277
0.867236	0.974472542	302.0763	0.012049	0.145988	0.082536	0.93422	0.999277
0.003724	0.087477381	380.893	-0.30619	0.150819	-2.03017	0.04234	0.673228
0.984102	0.997439038	257.4506	0.027645	0.152181	0.181656	0.855852	0.999277
0.193564	0.639447293	542.9947	0.102212	0.121403	0.841921	0.399832	0.999277
0.166559	0.605328888	22.6997	0.218466	0.215129	1.015507	0.309864	0.999277
0.865715	0.974238603	132.0415	0.04514	0.173763	0.259779	0.795034	0.999277
0.466972	0.837742044	196.9917	-0.02704	0.203563	-0.13284	0.894317	0.999277
0.201629	0.649284088	104.6516	-0.06138	0.185604	-0.33071	0.740866	0.999277
0.642922	0.914852273	9.473955	-0.0381	0.186727	-0.20407	0.8383	0.999277
0.344227	0.766294086	104.8695	0.159717	0.192117	0.831351	0.405775	0.999277
0.386223	0.792576238	10.11121	0.153644	0.182962	0.839754	0.401046	0.999277
0.916771	0.98454795	149.1541	0.014074	0.171721	0.081959	0.934679	0.999277
0.952751	0.992357094	162.7857	0.022031	0.173238	0.127169	0.898807	0.999277
0.00717	0.128218918	59.86018	0.334895	0.214935	1.558119	0.119205	0.929931
0.940492	0.988134075	210.7187	0.03562	0.157408	0.22629	0.820976	0.999277
0.874692	0.975929662	337.68	0.015098	0.137925	0.109466	0.912833	0.999277
0.480408	0.846258076	237.6936	-0.02178	0.151081	-0.14415	0.885384	0.999277
0.142714	0.572012811	89.00053	-0.07154	0.193762	-0.3692	0.711978	0.999277
0.533419	0.871779365	133.8772	0.089577	0.179634	0.498662	0.618017	0.999277
0.323452	0.752685089	10.23263	-0.11519	0.194119	-0.59339	0.552922	0.999277
0.033163	0.29221591	447.0443	0.153187	0.130641	1.172583	0.240963	0.999277
0.885553	0.977714232	248.2077	0.045618	0.164577	0.277184	0.781639	0.999277
0.303079	0.739758551	193.3056	0.137244	0.163619	0.838803	0.40158	0.999277
0.691018	0.93167865	22.09868	-0.01762	0.212617	-0.08288	0.933948	0.999277
0.790611	0.954486972	228.4295	-0.00038	0.165821	-0.00231	0.998159	0.999986
0.715625	0.935646775	33.18238	0.080964	0.216643	0.373722	0.708611	0.999277
0.385566	0.792576238	78.87843	0.125466	0.201439	0.622849	0.533384	0.999277
0.334293	0.759008088	29.28244	-0.10714	0.217013	-0.49371	0.62151	0.999277
0.67183	0.926476631	11.92049	-0.03317	0.196584	-0.16875	0.865992	0.999277
0.355634	0.774871619	126.4881	-0.07712	0.188428	-0.40929	0.682327	0.999277
0.3258	0.754238284	959.6763	0.09896	0.148883	0.664683	0.506253	0.999277
0.538417	0.873794135	33.61057	0.10893	0.216971	0.50205	0.615632	0.999277
0.554159	0.881343338	292.142	0.091479	0.146066	0.626285	0.531128	0.999277
0.013667	0.182686796	41.05783	-0.13914	0.216076	-0.64393	0.519619	0.999277
0.718097	0.935996695	9.679154	0.062462	0.191641	0.325932	0.744476	0.999277
0.991453	0.998538548	124.9056	0.027122	0.178709	0.151765	0.879372	0.999277
0.774365	0.949821182	43.17306	0.007617	0.215801	0.035295	0.971845	0.999277
0.516845	0.863260275	2355.901	-0.04096	0.105242	-0.38923	0.697103	0.999277
0.336453	0.759706734	27.85887	0.127238	0.216612	0.587398	0.556936	0.999277
0.766704	0.948420265	53.00218	0.064491	0.212643	0.303282	0.761675	0.999277
0.317862	0.750019078	28.49463	-0.11634	0.217006	-0.53609	0.591896	0.999277
0.818019	0.959879229	8.95902	0.059056	0.18187	0.324717	0.745395	0.999277
0.892476	0.979423868	30.7289	0.046219	0.216455	0.213529	0.830915	0.999277
0.836263	0.965088948	68.13856	0.003748	0.202624	0.018496	0.985243	0.999277
0.332319	0.758168388	16.31811	0.110839	0.205471	0.539441	0.589583	0.999277
0.776904	0.950382298	452.6525	0.056577	0.143069	0.395453	0.692509	0.999277
0.379111	0.789465597	131.7729	0.130832	0.17918	0.73017	0.465286	0.999277

0.108398	0.510417982	84.7633	0.170608	0.196535	0.868078	0.385352	0.999277
0.422721	0.812942386	40.71549	0.105697	0.215355	0.490807	0.623563	0.999277
0.912449	0.983953937	352.7142	0.035425	0.136517	0.25949	0.795257	0.999277
0.262561	0.705744981	23.20844	-0.08398	0.214324	-0.39185	0.695172	0.999277
0.348415	0.770178033	547.4831	-0.06493	0.124292	-0.52239	0.601399	0.999277
0.450331	0.826097825	133.8411	-0.03546	0.184255	-0.19244	0.847394	0.999277
0.762734	0.946679481	94.53757	0.057025	0.194477	0.293221	0.769353	0.999277
0.090581	0.473414303	43.54026	-0.19887	0.216373	-0.91912	0.358033	0.999277
0.765917	0.947875748	11.19067	0.059364	0.192913	0.307726	0.758291	0.999277
0.712965	0.935646775	64.37956	0.067294	0.206191	0.326369	0.744145	0.999277
0.714828	0.935646775	96.16701	0.070463	0.19827	0.355388	0.722299	0.999277
0.874509	0.975929662	47.48617	0.010595	0.214597	0.049374	0.960621	0.999277
0.302862	0.739758551	11.98643	-0.0959	0.197759	-0.48493	0.627724	0.999277
0.797873	0.956401774	33.3049	-0.00515	0.216786	-0.02377	0.981037	0.999277
0.914027	0.983953937	97.45703	0.040191	0.200398	0.200555	0.841047	0.999277
0.029105	0.273827696	129.7195	0.208102	0.189264	1.099532	0.271536	0.999277
0.076277	0.438533975	55.62397	0.15594	0.207672	0.750895	0.452716	0.999277
0.058569	0.391053556	56.62592	0.19938	0.210704	0.946255	0.344019	0.999277
0.555572	0.882189828	138.8204	-0.01882	0.172268	-0.10922	0.913025	0.999277
0.975876	0.996295705	252.0925	0.024305	0.151109	0.160846	0.872215	0.999277
0.519277	0.864727932	169.5221	0.096862	0.166465	0.581876	0.56065	0.999277
0.519277	0.864727932	169.5218	0.096857	0.166465	0.581849	0.560668	0.999277
0.497265	0.853814273	11.30849	-0.05908	0.191809	-0.30802	0.758064	0.999277
0.306934	0.74308383	169.2521	0.121771	0.168091	0.724435	0.468799	0.999277
0.493297	0.852802998	450.4451	0.082204	0.126965	0.647454	0.517338	0.999277
0.438717	0.819957596	282.4625	-0.05133	0.144272	-0.35581	0.72198	0.999277
0.495384	0.853711712	53.25247	-0.05388	0.210928	-0.25546	0.798366	0.999277
0.352861	0.773559122	45.72683	0.118715	0.213662	0.555624	0.578468	0.999277
0.906575	0.982337683	12.49097	0.043521	0.200492	0.21707	0.828154	0.999277
0.22809	0.677661951	66.43818	-0.06842	0.207374	-0.32992	0.741461	0.999277
0.564716	0.885981276	145.9413	-0.0299	0.175799	-0.17008	0.864951	0.999277
0.742301	0.940595738	92.81873	0.001726	0.19393	0.008902	0.992897	0.999277
0.319916	0.75070949	785.0772	0.119692	0.123735	0.967326	0.333381	0.999277
0.859581	0.972502766	259.774	0.009115	0.180251	0.050566	0.959672	0.999277
0.937397	0.987241827	24.80137	0.037621	0.216439	0.173821	0.862006	0.999277
0.081381	0.451005748	771.753	0.223834	0.125314	1.786186	0.074069	0.808557
0.391708	0.794949112	45.84904	-0.04347	0.213295	-0.20378	0.838523	0.999277
0.726336	0.938408623	193.6099	0.003185	0.168544	0.018896	0.984924	0.999277
0.707378	0.93479128	11.06594	-0.00959	0.196933	-0.0487	0.961154	0.999277
0.484418	0.84842492	83.13953	-0.05389	0.200906	-0.26821	0.788535	0.999277
0.632011	0.911471704	178.6577	-0.03417	0.174043	-0.19633	0.844352	0.999277
0.398473	0.798846944	88.04952	-0.05304	0.192319	-0.27578	0.782717	0.999277
0.50218	0.856224747	43.10433	0.120074	0.215057	0.558336	0.576615	0.999277
0.72693	0.938556558	135.0558	0.066154	0.17587	0.376152	0.706804	0.999277
0.495729	0.853814273	16.6694	0.116815	0.205056	0.569673	0.5689	0.999277
0.740041	0.940232174	211.9018	-0.01347	0.170757	-0.07888	0.937132	0.999277
0.648207	0.918344885	98.13514	0.050929	0.196672	0.258955	0.79567	0.999277
0.618708	0.907334933	285.5243	0.071994	0.155702	0.462386	0.643805	0.999277
0.839992	0.966279005	274.4883	0.0063	0.169728	0.03712	0.970389	0.999277
0.465367	0.836748046	315.7155	0.113001	0.156499	0.722055	0.470261	0.999277
0.051007	0.364803701	416.5721	-0.12643	0.135559	-0.93264	0.351004	0.999277
0.683807	0.930609678	60.49167	-0.02303	0.211688	-0.10881	0.913351	0.999277

0.528828	0.86938189	54.04329	0.092573	0.209923	0.440988	0.659222	0.999277
0.978943	0.996602004	48.27425	0.026886	0.216932	0.123938	0.901364	0.999277
0.881679	0.97678025	18.90781	0.003274	0.212983	0.015373	0.987734	0.999277
0.922745	0.985704596	172.0664	0.014577	0.169316	0.086095	0.931391	0.999277
0.809964	0.958353056	10.51645	0.056487	0.171245	0.329862	0.741504	0.999277
0.455832	0.829671446	15.31152	0.112945	0.202572	0.557554	0.577149	0.999277
0.124542	0.539415418	56.49119	0.156723	0.20662	0.758507	0.448148	0.999277
0.633832	0.912388016	76.99993	0.066638	0.199568	0.333913	0.738445	0.999277
0.090836	0.474214134	176.1853	-0.08249	0.16919	-0.48754	0.625878	0.999277
0.818455	0.959879229	155.2438	0.042385	0.170276	0.24892	0.803422	0.999277
0.418	0.810121169	1521.927	0.081515	0.10419	0.782366	0.434	0.999277
0.988074	0.998384791	210.2309	0.025332	0.17264	0.146735	0.883341	0.999277
0.733337	0.938791295	180.9895	-0.00365	0.16535	-0.02205	0.982405	0.999277
0.462488	0.834625632	9.670585	0.130413	0.17149	0.76047	0.446974	0.999277
0.841756	0.966811735	43.90712	0.046541	0.213425	0.218068	0.827376	0.999277
0.307868	0.743099434	508.3443	-0.07083	0.159018	-0.44541	0.656025	0.999277
0.630662	0.911456731	115.3511	0.062578	0.185332	0.337654	0.735624	0.999277
0.576612	0.890535872	65.76927	-0.02015	0.20692	-0.09738	0.922424	0.999277
0.444347	0.823226708	16.05928	0.107086	0.203526	0.526152	0.598782	0.999277
0.55813	0.882863308	39.60267	0.101407	0.216999	0.467317	0.640273	0.999277
0.863112	0.973438935	380.1764	0.001719	0.140007	0.012278	0.990204	0.999277
0.733727	0.938791295	172.9499	-0.01099	0.16863	-0.0652	0.948014	0.999277
0.992922	0.998538548	187.3739	0.02496	0.165984	0.150378	0.880466	0.999277
0.626154	0.908970398	57.19852	0.077215	0.214757	0.359546	0.719187	0.999277
0.068861	0.421069867	169.5042	-0.12525	0.166432	-0.75257	0.451708	0.999277
0.088962	0.470021847	32.7253	-0.12705	0.216758	-0.58613	0.557786	0.999277
0.464838	0.835932481	159.9184	-0.04223	0.171284	-0.24652	0.805278	0.999277
0.535964	0.872591863	40.40442	-0.02464	0.215052	-0.11458	0.908782	0.999277
0.314175	0.747255552	486.3033	0.120124	0.135973	0.883442	0.376997	0.999277
0.893139	0.979423868	16.31276	0.042795	0.207567	0.206173	0.836656	0.999277
0.959105	0.993223953	234.1128	0.029676	0.172013	0.172519	0.86303	0.999277
0.874038	0.975929662	213.1287	0.010553	0.172042	0.061337	0.951091	0.999277
0.498233	0.854017559	709.6761	0.103993	0.118291	0.879131	0.37933	0.999277
0.585719	0.894063007	232.9826	-0.04706	0.165581	-0.28423	0.776236	0.999277
0.001323	0.043457147	370.4763	0.304894	0.187225	1.628487	0.103422	0.899761
0.631056	0.911456731	146.5106	0.049277	0.170304	0.289351	0.772313	0.999277
0.346007	0.76749467	2396.61	-0.05603	0.095634	-0.58588	0.557954	0.999277
0.700653	0.934077476	97.24446	0.066676	0.187821	0.354996	0.722592	0.999277
0.005122	0.105334752	30.35784	-0.27485	0.216962	-1.2668	0.205226	0.999277
0.979959	0.996602004	310.824	0.020301	0.144036	0.140945	0.887913	0.999277
0.654942	0.919988863	68.40754	0.067341	0.206373	0.326307	0.744192	0.999277
0.322297	0.751983433	275.2357	0.106175	0.149954	0.708049	0.478915	0.999277
0.643894	0.914980232	367.1827	-0.02511	0.135351	-0.18551	0.852828	0.999277
0.638777	0.913309512	238.3675	0.065271	0.15286	0.426999	0.66938	0.999277
0.704378	0.934710222	264.646	0.072121	0.163391	0.441402	0.658922	0.999277
0.232986	0.682500733	43.11134	0.112392	0.213499	0.526427	0.598592	0.999277
0.042559	0.333068766	191.1744	-0.14993	0.15869	-0.94479	0.344764	0.999277
0.188261	0.635636635	193.8741	-0.10324	0.159024	-0.64921	0.516202	0.999277
0.665147	0.925057641	105.4287	0.054943	0.190145	0.288951	0.772619	0.999277
0.311583	0.745302162	511.0526	-0.06517	0.158023	-0.41239	0.680052	0.999277
0.15276	0.589042386	447.945	-0.07649	0.150733	-0.50743	0.611855	0.999277
0.717207	0.935990129	38.79666	0.074589	0.215622	0.345926	0.729399	0.999277

0.645015	0.915384904	38.25426	-0.0277	0.217004	-0.12765	0.898427	0.999277
0.714139	0.935646775	248.0549	0.000449	0.15093	0.002976	0.997625	0.999986
0.11839	0.528824053	66.40198	-0.17551	0.209015	-0.83968	0.401085	0.999277
0.638258	0.913202151	81.66953	-0.01254	0.195627	-0.06412	0.948878	0.999277
0.327182	0.754562543	81.30567	-0.0443	0.202806	-0.21843	0.827093	0.999277
0.864224	0.973827576	54.73068	0.039867	0.212822	0.187323	0.851407	0.999277
0.497577	0.853814273	63.50268	0.07695	0.208871	0.36841	0.712567	0.999277
0.879537	0.97662978	355.4846	0.032778	0.15656	0.209366	0.834163	0.999277
0.541709	0.87494177	427.7443	0.0942	0.175165	0.537778	0.590731	0.999277
0.345902	0.767413928	75.35763	0.098207	0.196968	0.498594	0.618065	0.999277
0.323614	0.75282767	121.4169	-0.10116	0.198357	-0.50999	0.610058	0.999277
0.782533	0.952218746	15.23642	0.0543	0.200429	0.270918	0.786454	0.999277
0.190354	0.637982754	433.1036	-0.13511	0.144194	-0.93699	0.348761	0.999277
0.0377	0.314791755	437.2977	-0.20414	0.139653	-1.46174	0.143813	0.977082
0.884854	0.977581014	10.4621	0.004276	0.193689	0.022077	0.982387	0.999277
0.761529	0.946388221	9.875124	-0.01956	0.189581	-0.10318	0.91782	0.999277
0.023854	0.246412443	124.7957	0.156544	0.180839	0.865652	0.386681	0.999277
0.208643	0.656690788	14.99093	0.203624	0.197503	1.030997	0.302542	0.999277
0.290635	0.730514779	15.81949	-0.08569	0.203276	-0.42153	0.673369	0.999277
0.554356	0.881521717	12.85027	-0.02851	0.198294	-0.14378	0.885673	0.999277
0.160185	0.598933603	136.7599	-0.12139	0.176761	-0.68677	0.49223	0.999277
0.395481	0.796863774	42.17058	0.122665	0.214854	0.570922	0.568053	0.999277
0.790183	0.954486972	31.53466	0.047864	0.216637	0.22094	0.825139	0.999277
0.284648	0.725570876	162.6585	-0.05064	0.176522	-0.28688	0.774203	0.999277
0.997889	0.998980571	164.9463	0.021015	0.165638	0.126872	0.899042	0.999277
0.406835	0.801957174	283.5122	-0.05391	0.14721	-0.36624	0.714182	0.999277
0.193403	0.639447293	42.10452	-0.094	0.215803	-0.43559	0.663137	0.999277
0.231927	0.681654393	140.4904	-0.09035	0.182586	-0.49482	0.620726	0.999277
0.148691	0.58137397	76.75241	0.124616	0.197881	0.629752	0.528857	0.999277
0.58422	0.893086908	26.28152	0.072365	0.216669	0.333987	0.738389	0.999277
0.238412	0.687563477	199.1363	-0.07561	0.178237	-0.42419	0.671425	0.999277
0.344739	0.766383255	23.25346	-0.11728	0.214986	-0.54554	0.58538	0.999277
0.827085	0.962625456	40.94395	0.005884	0.214695	0.027407	0.978135	0.999277
0.080167	0.447549	381.7064	0.177552	0.140684	1.262057	0.206928	0.999277
0.236671	0.685759421	165.1244	-0.10285	0.167232	-0.61504	0.538528	0.999277
0.483507	0.847747853	130.1031	-0.02833	0.176576	-0.16044	0.872537	0.999277
0.34481	0.766383255	15.64329	-0.06365	0.206962	-0.30755	0.758423	0.999277
0.207986	0.656087765	37.21204	0.102639	0.21694	0.473121	0.636127	0.999277
0.697183	0.933417775	15.87279	-0.02757	0.208444	-0.13225	0.894787	0.999277
0.542119	0.875015043	42.55291	-0.02311	0.214244	-0.10788	0.91409	0.999277
0.321674	0.751750527	16.95097	-0.08283	0.209539	-0.39529	0.692628	0.999277
0.649003	0.918564805	89.25523	0.052326	0.193156	0.270901	0.786468	0.999277
0.349142	0.771146399	45.92719	0.093678	0.211942	0.442	0.65849	0.999277
0.919509	0.985704596	17.33017	0.034045	0.20857	0.16323	0.870337	0.999277
0.095133	0.485177098	45.85331	0.146345	0.214378	0.68265	0.494828	0.999277
0.988787	0.998498173	58.46973	0.02175	0.208204	0.104467	0.916799	0.999277
0.069353	0.421955857	91.7559	0.167862	0.195445	0.858873	0.390411	0.999277
0.638502	0.913202151	169.9039	-0.04601	0.175469	-0.26222	0.793155	0.999277
0.519594	0.864932986	66.3258	-0.04857	0.215003	-0.22592	0.821267	0.999277
0.84107	0.966670198	16.81657	-0.00902	0.207758	-0.04341	0.965371	0.999277
0.232159	0.681888602	43.64304	-0.14096	0.215808	-0.65318	0.513642	0.999277
0.259578	0.704211455	102.7346	-0.10869	0.193104	-0.56284	0.573544	0.999277

0.519437	0.864779649	19.04491	-0.07288	0.213132	-0.34195	0.732387	0.999277
0.481169	0.846450746	349.3123	-0.04018	0.135123	-0.29737	0.766181	0.999277
0.983478	0.997439038	22.85245	0.021885	0.212234	0.103119	0.917868	0.999277
0.142714	0.572012811	89.00859	-0.0809	0.19369	-0.41766	0.676197	0.999277
0.221149	0.67182881	113.1267	-0.1075	0.18255	-0.58887	0.555947	0.999277
0.476298	0.84304528	10.67069	0.116099	0.176204	0.658892	0.509965	0.999277
0.202545	0.650197277	54.15838	-0.08651	0.208597	-0.41471	0.678357	0.999277
0.945419	0.989708344	77.54187	0.025084	0.198749	0.126208	0.899568	0.999277
0.938658	0.987800164	28.95343	0.025793	0.211939	0.121702	0.903135	0.999277
0.037171	0.312496296	280.8289	-0.20904	0.149177	-1.40131	0.161123	0.999277
0.446941	0.824037121	77.86158	0.069721	0.197965	0.352188	0.724697	0.999277
0.265547	0.708960825	38.82017	0.123574	0.215452	0.573555	0.566269	0.999277
0.686631	0.931172733	472.8775	-0.00439	0.130618	-0.03361	0.973191	0.999277
0.685585	0.931172733	14.92522	0.074977	0.202141	0.370916	0.7107	0.999277
0.273956	0.716676312	429.212	0.099832	0.143397	0.696193	0.486308	0.999277
0.730711	0.938791295	65.57371	-0.02605	0.204533	-0.12734	0.898669	0.999277
0.774189	0.949821182	35.67291	-0.01259	0.217017	-0.05803	0.953724	0.999277
0.291791	0.731639815	73.6925	-0.12103	0.202517	-0.59762	0.550095	0.999277
0.27188	0.714974497	438.8011	0.123217	0.137087	0.898822	0.368748	0.999277
0.672646	0.926890265	237.6207	0.060462	0.171571	0.352402	0.724537	0.999277
0.405977	0.801957174	80.27964	-0.06726	0.195395	-0.34423	0.730676	0.999277
0.25896	0.703765032	32.56052	-0.13181	0.216641	-0.60842	0.542909	0.999277
0.669004	0.925067398	76.01791	0.081095	0.216244	0.375014	0.70765	0.999277
0.363313	0.780897006	95.6372	0.143078	0.190123	0.752555	0.451717	0.999277
0.280937	0.721618953	17.69579	0.170726	0.201402	0.847691	0.39661	0.999277
0.588987	0.894744713	98.98828	0.062107	0.189329	0.328038	0.742883	0.999277
0.694195	0.932499684	26.92802	0.053748	0.216844	0.247864	0.80424	0.999277
0.608071	0.903740551	305.928	-0.04118	0.148879	-0.27662	0.782071	0.999277
0.128852	0.547649714	81.79042	0.137803	0.194024	0.710235	0.477558	0.999277
0.856975	0.971766934	144.7803	0.034672	0.176143	0.196841	0.843952	0.999277
0.60506	0.902056105	108.0856	0.067807	0.191572	0.353952	0.723375	0.999277
0.378071	0.78898728	120.067	-0.06163	0.186726	-0.33005	0.741364	0.999277
0.435379	0.818064274	92.90373	-0.07963	0.191823	-0.41511	0.678058	0.999277
0.107464	0.509095295	262.3913	-0.12732	0.154303	-0.82516	0.40928	0.999277
0.477795	0.843683904	74.86374	-0.05963	0.199629	-0.29873	0.765148	0.999277
0.846061	0.968350774	184.8351	0.006978	0.173691	0.040175	0.967954	0.999277
0.012003	0.169924609	266.5295	0.158539	0.151046	1.049613	0.293896	0.999277
0.912229	0.983953937	109.2385	0.028823	0.199086	0.144775	0.884889	0.999277
0.244126	0.691802422	10.30782	0.183579	0.182175	1.007706	0.313595	0.999277
0.381245	0.790460136	21.11224	0.104621	0.21375	0.489455	0.62452	0.999277
0.054803	0.378756569	301.7269	0.199026	0.142766	1.394074	0.163295	0.999277
0.651194	0.919166981	192.5219	-0.02261	0.158299	-0.14284	0.88642	0.999277
0.091035	0.474408638	297.3644	-0.15693	0.148459	-1.05707	0.290481	0.999277
0.993868	0.99861182	289.3571	0.018332	0.149066	0.122978	0.902124	0.999277
0.547126	0.876711816	85.41908	-0.02358	0.192059	-0.12278	0.90228	0.999277
0.675109	0.927604313	83.12648	-0.01896	0.194259	-0.09763	0.922229	0.999277
0.52339	0.867229944	56.44847	0.097497	0.208754	0.467043	0.640469	0.999277
0.283224	0.724274556	53.89443	-0.06842	0.216847	-0.31551	0.752377	0.999277
0.30419	0.739861013	17.54446	0.155449	0.201429	0.771731	0.440274	0.999277
0.127574	0.546564891	95.56263	0.122565	0.193278	0.63414	0.52599	0.999277
0.914715	0.984222171	32.30007	0.006885	0.21659	0.031788	0.974641	0.999277
0.477083	0.84304528	18.49704	0.121165	0.211377	0.573215	0.566499	0.999277

0.031277	0.283766116	35.05022	0.275771	0.21677	1.272183	0.203308	0.999277
0.043179	0.335849873	181.0855	-0.19722	0.175501	-1.12378	0.261108	0.999277
0.335524	0.759008088	9.705707	0.154347	0.161555	0.955386	0.339382	0.999277
0.996093	0.998782878	20.55271	0.016581	0.213936	0.077504	0.938223	0.999277
0.070411	0.42433736	15.31048	-0.18276	0.206986	-0.88296	0.377257	0.999277
0.156817	0.595337949	99.09809	0.122331	0.194263	0.629717	0.52888	0.999277
0.672333	0.926789377	561.0785	0.054075	0.131513	0.411178	0.680942	0.999277
0.922897	0.985704596	145.6407	0.009819	0.171842	0.057137	0.954436	0.999277
0.11289	0.518563319	74.21007	0.129608	0.205688	0.63012	0.528616	0.999277
0.827988	0.96298107	24.94328	-0.00838	0.209971	-0.03992	0.968155	0.999277
0.117286	0.526979935	87.98408	-0.20953	0.193825	-1.08104	0.279679	0.999277
0.498682	0.85416174	555.434	-0.04881	0.120848	-0.40392	0.686275	0.999277
0.817767	0.959878204	8.70433	-0.00723	0.185237	-0.03903	0.968869	0.999277
0.799436	0.956574326	369.4816	0.052843	0.13971	0.378233	0.705257	0.999277
0.34076	0.763738164	34.51112	-0.06903	0.216295	-0.31914	0.749619	0.999277
0.731892	0.938791295	397.6573	-0.01279	0.14873	-0.08597	0.931494	0.999277
0.803341	0.957127223	112.3521	-0.01903	0.187054	-0.10173	0.91897	0.999277
0.197621	0.644763019	166.7237	0.109848	0.168859	0.650532	0.515349	0.999277
0.216377	0.66711094	67.91073	-0.09543	0.203843	-0.46815	0.639676	0.999277
0.67516	0.927604313	152.688	0.059964	0.178431	0.336065	0.736822	0.999277
0.581139	0.892820666	326.9181	0.054184	0.146043	0.37101	0.71063	0.999277
0.973419	0.995861805	18.14685	0.011612	0.076281	0.152225	0.879009	0.999277
0.812413	0.958720759	322.444	-0.01074	0.142617	-0.07528	0.939993	0.999277
0.772452	0.949545794	12.13354	0.048358	0.197965	0.244275	0.807018	0.999277
0.221263	0.67182881	330.654	-0.08203	0.146627	-0.55944	0.575863	0.999277
0.871869	0.975692252	18.15328	0.001697	0.212044	0.008005	0.993613	0.999277
0.119631	0.531440189	591.9906	0.143803	0.127187	1.130639	0.258207	0.999277
0.163417	0.602535736	19.16015	-0.16998	0.212014	-0.80173	0.422709	0.999277
0.727434	0.938587002	12.03982	-0.03466	0.198538	-0.1746	0.861396	0.999277
0.9492	0.991148678	33.19871	0.024685	0.217003	0.113754	0.909433	0.999277
0.048466	0.35537572	417.5423	0.18112	0.135331	1.338345	0.180784	0.999277
0.531799	0.870719093	165.565	-0.03229	0.174573	-0.18498	0.853242	0.999277
0.611933	0.904588989	40.61465	-0.03842	0.215977	-0.17791	0.858793	0.999277
0.762178	0.946661216	45.59884	-0.01197	0.215743	-0.05548	0.955757	0.999277
0.743331	0.940717284	9.587811	-0.02806	0.185129	-0.15156	0.87953	0.999277
0.539957	0.873794135	51.46107	0.066341	0.211736	0.313322	0.754036	0.999277
0.42708	0.814589985	167.0566	0.092152	0.16503	0.558393	0.576576	0.999277
0.629254	0.910993455	646.8315	0.080413	0.121021	0.66445	0.506403	0.999277
0.821365	0.960727032	329.9516	-0.0116	0.136926	-0.0847	0.932496	0.999277
0.927138	0.985704596	1067.789	0.006515	0.105291	0.061872	0.950665	0.999277
0.37997	0.790146437	174.0999	0.076101	0.169437	0.449142	0.653329	0.999277
0.921294	0.985704596	17.05354	0.007676	0.202437	0.037919	0.969752	0.999277
0.829587	0.963218067	21.17731	-0.0063	0.21298	-0.0296	0.976389	0.999277
0.232271	0.681916717	821.7208	-0.10975	0.120387	-0.91166	0.36195	0.999277
0.357336	0.775785963	57.22361	0.130731	0.207903	0.628808	0.529475	0.999277
0.121542	0.534218212	1520.346	0.153841	0.100505	1.530682	0.125848	0.942444
0.725784	0.938254809	379.7625	0.04854	0.145602	0.333375	0.738852	0.999277
0.007644	0.132189297	236.5073	-0.18433	0.162872	-1.13176	0.257734	0.999277
0.277871	0.719824814	199.0362	-0.08578	0.162968	-0.52638	0.598622	0.999277
0.763171	0.946679481	30.97347	0.044887	0.216881	0.206964	0.836038	0.999277
0.213992	0.663981328	19.64822	-0.10792	0.213279	-0.50599	0.612861	0.999277
0.508484	0.858925869	260.6635	0.087149	0.158583	0.549545	0.582631	0.999277

0.305423	0.741488163	9.714281	-0.1289	0.184241	-0.69961	0.484172	0.999277
0.664439	0.924678622	17.33488	-0.04402	0.208671	-0.21097	0.832914	0.999277
0.189642	0.637323952	355.1374	0.098321	0.151619	0.648475	0.516678	0.999277
0.695497	0.933115203	165.6336	-0.00804	0.166866	-0.04818	0.961569	0.999277
0.190388	0.637982754	78.97344	0.143736	0.195798	0.7341	0.462888	0.999277
0.808514	0.958353056	455.0802	0.04983	0.148421	0.335734	0.737071	0.999277
0.067173	0.416338554	74.65556	0.153842	0.199849	0.769791	0.441424	0.999277
0.591474	0.895697175	85.96503	-0.06144	0.196302	-0.31296	0.754309	0.999277
0.934314	0.986607773	167.4768	0.020982	0.205654	0.102026	0.918736	0.999277
0.47795	0.843734478	168.8696	0.071144	0.172218	0.413108	0.679528	0.999277
0.702332	0.934077476	177.2651	0.043025	0.186389	0.230835	0.817443	0.999277
0.926703	0.985704596	95.70954	0.004307	0.195416	0.02204	0.982416	0.999277
0.744807	0.941182708	39.14262	0.037647	0.215943	0.174337	0.861601	0.999277
0.171951	0.61374382	41.57953	0.17095	0.214346	0.797545	0.425135	0.999277
0.596692	0.897840318	101.1367	-0.06165	0.191977	-0.32114	0.748104	0.999277
0.095293	0.485498497	248.7292	0.187599	0.169367	1.107645	0.268015	0.999277
0.715361	0.935646775	426.6366	0.04325	0.151055	0.286321	0.774632	0.999277
0.816535	0.959796855	12.94695	-0.01972	0.202862	-0.09723	0.922543	0.999277
0.377671	0.788925009	26.85449	-0.08138	0.215492	-0.37765	0.705691	0.999277
0.206536	0.6538994	328.9971	0.129789	0.16604	0.781673	0.434407	0.999277
0.856368	0.971490757	19.43928	-0.01104	0.210342	-0.05251	0.958123	0.999277
0.602392	0.899985235	29.67361	0.059589	0.216669	0.275024	0.783298	0.999277
0.260466	0.704211455	463.9432	0.129264	0.131697	0.981529	0.326332	0.999277
0.474325	0.842005284	104.9601	-0.03648	0.198496	-0.18376	0.854201	0.999277
0.825284	0.962521459	29.75545	-0.00924	0.217008	-0.04257	0.966041	0.999277
0.73274	0.938791295	102.4761	0.050449	0.188114	0.268185	0.788557	0.999277
0.010863	0.161521392	225.5593	-0.25181	0.156078	-1.61335	0.106669	0.905256
0.284898	0.725657496	123.3972	-0.13141	0.180526	-0.72794	0.466651	0.999277
0.151421	0.586170514	368.6763	0.092551	0.137316	0.673996	0.500314	0.999277
0.731316	0.938791295	44.6578	-0.03446	0.213082	-0.16171	0.871536	0.999277
0.71222	0.935646775	31.7082	0.056827	0.216561	0.262407	0.793008	0.999277
0.877199	0.976223954	87.45862	0.030251	0.197304	0.153319	0.878147	0.999277
0.22737	0.676705235	112.0084	0.151018	0.183004	0.825216	0.409249	0.999277
0.158956	0.596830002	101.9541	-0.15836	0.186377	-0.84966	0.395516	0.999277
0.979289	0.996602004	90.10543	0.016496	0.19312	0.085417	0.93193	0.999277
0.701431	0.934077476	340.274	0.047419	0.135944	0.348813	0.72723	0.999277
0.680416	0.928926014	23.07181	-0.03293	0.214994	-0.15319	0.87825	0.999277
0.542212	0.875015043	281.2524	0.0947	0.146744	0.645344	0.518705	0.999277
0.09576	0.485938912	63.98763	-0.12773	0.205044	-0.62294	0.533325	0.999277
0.956397	0.992867693	49.56949	0.019488	0.216793	0.089891	0.928374	0.999277
0.691016	0.93167865	98.96089	0.061847	0.187067	0.330615	0.740936	0.999277
0.066368	0.413778421	108.3635	-0.18908	0.195619	-0.96656	0.333765	0.999277
0.106792	0.507099852	154.5914	-0.06773	0.172806	-0.39197	0.695083	0.999277
0.539781	0.873794135	12.94652	0.083315	0.200199	0.416162	0.677291	0.999277
0.626876	0.90972162	79.80145	0.059788	0.194673	0.307118	0.758753	0.999277
0.927843	0.985704596	472.7507	6.94E-05	0.134732	0.000515	0.999589	0.999986
0.389999	0.794805703	196.4623	0.094563	0.159786	0.591813	0.553976	0.999277
0.655068	0.920068025	734.3691	0.053738	0.126532	0.424694	0.67106	0.999277
0.473858	0.841959479	164.9681	-0.03919	0.168835	-0.2321	0.816458	0.999277
0.862899	0.973282419	65.00277	-0.0116	0.215322	-0.05389	0.957024	0.999277
0.02015	0.224637888	357.1204	0.166554	0.136883	1.216761	0.223695	0.999277
0.156643	0.595337949	94.83836	0.183831	0.190582	0.964578	0.334756	0.999277

0.663914	0.924678622	375.858	0.051805	0.14029	0.369274	0.711923	0.999277
0.26028	0.704211455	137.8155	-0.08644	0.174011	-0.49675	0.619362	0.999277
0.232937	0.682500733	118.8118	-0.09725	0.17988	-0.54065	0.588751	0.999277
0.610543	0.904380258	280.7164	-0.04162	0.151461	-0.2748	0.78347	0.999277
0.872694	0.975846647	26.74562	0.030426	0.21663	0.140451	0.888304	0.999277
0.258059	0.702821884	42.09221	0.096922	0.215073	0.450645	0.652246	0.999277
0.78416	0.95300717	91.65495	-0.01572	0.195241	-0.08052	0.935827	0.999277
0.372133	0.786325853	237.79	0.089354	0.150204	0.594882	0.551922	0.999277
0.193982	0.639447293	260.0007	0.103344	0.160887	0.642339	0.520653	0.999277
0.770088	0.94929683	253.3864	0.030652	0.148929	0.205815	0.836936	0.999277
0.988669	0.998454274	29.96123	0.014343	0.217015	0.066094	0.947303	0.999277
0.481956	0.846450746	144.2917	-0.05654	0.177236	-0.31899	0.749733	0.999277
0.563875	0.885572292	129.974	-0.05765	0.188083	-0.3065	0.759222	0.999277
0.220757	0.671412196	262.7367	-0.08943	0.155709	-0.57434	0.565736	0.999277
0.356009	0.774871619	31.86766	-0.0733	0.216924	-0.33792	0.735427	0.999277
0.565643	0.886810873	690.7891	-0.03262	0.116178	-0.28078	0.77888	0.999277
0.630131	0.911456731	161.8265	0.05218	0.173981	0.299915	0.764242	0.999277
0.770762	0.94929683	25.1947	-0.02102	0.215097	-0.09773	0.922144	0.999277
0.311687	0.745302162	82.12954	-0.06349	0.194005	-0.32727	0.743467	0.999277
0.954798	0.992605014	13.98537	0.019878	0.202394	0.098213	0.921763	0.999277
0.511334	0.860852133	15.16058	0.106848	0.204132	0.523429	0.600676	0.999277
0.904843	0.982337683	124.1968	0.022657	0.178814	0.126709	0.899171	0.999277
0.006322	0.118515623	643.5697	-0.20586	0.130821	-1.57357	0.115587	0.929931
0.518523	0.864226816	74.27976	-0.03206	0.203912	-0.15723	0.875062	0.999277
0.884823	0.977581014	925.0928	-0.00387	0.111229	-0.03475	0.972277	0.999277
0.378656	0.789109046	192.4668	0.099245	0.159612	0.621788	0.534082	0.999277
0.085489	0.461152031	29.73697	0.213402	0.216997	0.983434	0.325394	0.999277
0.424494	0.813996405	579.1987	-0.05364	0.136071	-0.39422	0.693416	0.999277
0.00114	0.039772802	22.72041	0.366129	0.215163	1.701636	0.088824	0.851686
0.12293	0.535747264	22.20497	-0.15785	0.214009	-0.7376	0.460759	0.999277
0.876703	0.976116206	78.33379	-0.00611	0.196368	-0.03113	0.975165	0.999277
0.656595	0.921052097	507.8743	0.053583	0.141289	0.379244	0.704507	0.999277
0.960225	0.993839272	128.6242	0.007409	0.180247	0.041102	0.967214	0.999277
0.852284	0.969800108	304.4517	0.026517	0.158487	0.167312	0.867125	0.999277
0.360696	0.778779987	327.7906	-0.0758	0.154343	-0.49112	0.623341	0.999277
0.446595	0.824037121	38.85537	0.065617	0.216611	0.302926	0.761946	0.999277
0.788696	0.954346523	345.3938	0.031873	0.13742	0.231941	0.816584	0.999277
0.881679	0.97678025	18.68431	-0.01041	0.212664	-0.04896	0.960954	0.999277
0.374536	0.787458382	107.2762	-0.11073	0.18716	-0.59162	0.554105	0.999277
0.538067	0.873794135	21.22133	-0.049	0.213669	-0.22931	0.818631	0.999277
0.791527	0.954486972	138.3894	0.034759	0.176552	0.196876	0.843925	0.999277
0.417008	0.808902455	11.27744	0.124912	0.1773	0.704524	0.481106	0.999277
0.836557	0.965152336	14.62017	0.035263	0.203356	0.173405	0.862333	0.999277
0.34076	0.763738164	34.40272	-0.07505	0.216331	-0.34694	0.728636	0.999277
0.561536	0.884626339	40.90284	0.0737	0.215132	0.342579	0.731915	0.999277
0.529561	0.869504961	34.1734	-0.05262	0.216436	-0.2431	0.807926	0.999277
0.661113	0.923825455	115.2632	0.052825	0.189872	0.278214	0.780848	0.999277
0.524075	0.867549282	85.60515	-0.0608	0.198962	-0.30561	0.759904	0.999277
0.713615	0.935646775	30.85786	0.061182	0.217015	0.281926	0.778	0.999277
0.402907	0.799980829	332.0058	0.094079	0.142562	0.659911	0.509311	0.999277
0.803373	0.957127223	787.1501	-0.02246	0.114804	-0.19567	0.844866	0.999277
0.334068	0.759008088	252.7719	-0.07119	0.161577	-0.44059	0.659513	0.999277

0.384171	0.791060127	130.3971	0.078597	0.190745	0.412051	0.680302	0.999277
0.204623	0.652815316	284.4205	-0.08256	0.144363	-0.57188	0.567405	0.999277
0.405589	0.801779895	169.8474	0.084573	0.163645	0.516808	0.60529	0.999277
0.814863	0.9594188	10.53375	0.043025	0.168305	0.255636	0.798232	0.999277
0.543361	0.875213603	18.912	0.07447	0.211842	0.351537	0.725186	0.999277
0.459422	0.832244861	104.0676	0.093216	0.189887	0.490903	0.623495	0.999277
0.243024	0.689996843	111.4369	-0.09529	0.184674	-0.51598	0.605872	0.999277
0.509777	0.859972228	1111.655	0.071322	0.108041	0.66014	0.509164	0.999277
0.363778	0.781416284	110.0879	-0.07436	0.187777	-0.39599	0.692112	0.999277
0.622636	0.907988155	295.9369	0.074716	0.147196	0.507593	0.611738	0.999277
0.443454	0.822712959	21.72681	-0.08167	0.214773	-0.38026	0.70375	0.999277
0.842309	0.967031656	58.15263	-0.00933	0.208708	-0.0447	0.964347	0.999277
0.649353	0.918644615	102.1775	-0.02856	0.187936	-0.15198	0.879199	0.999277
0.302147	0.739758551	668.1372	0.069404	0.14399	0.48201	0.629799	0.999277
0.411773	0.805080679	47.3758	-0.05825	0.214458	-0.27163	0.785909	0.999277
0.895757	0.980269739	51.1258	-0.00329	0.212747	-0.01546	0.987666	0.999277
0.311478	0.745302162	85.89571	0.123221	0.199159	0.618707	0.536109	0.999277
0.477043	0.84304528	176.2538	0.084345	0.167488	0.503586	0.614553	0.999277
0.226535	0.675763848	114.2142	-0.14992	0.181294	-0.82695	0.408264	0.999277
0.077926	0.442349225	541.7093	-0.13448	0.12697	-1.05914	0.289536	0.999277
0.874402	0.975929662	23.67391	-0.01332	0.214957	-0.06195	0.950604	0.999277
0.734929	0.938791295	9.620141	-0.03527	0.189904	-0.18574	0.852651	0.999277
0.016807	0.203129567	156.9661	0.192331	0.168643	1.140462	0.254094	0.999277
0.91657	0.98454795	222.1268	-0.00326	0.155607	-0.02098	0.983264	0.999277
0.595107	0.896659304	322.8233	0.062197	0.143336	0.433927	0.664341	0.999277
0.222679	0.672985137	99.19328	0.124889	0.190402	0.655922	0.511874	0.999277
0.28019	0.721360425	36.44892	0.106331	0.216968	0.49008	0.624077	0.999277
0.74847	0.942119652	250.6735	-0.01785	0.148479	-0.12022	0.904305	0.999277
0.882726	0.976958449	372.8617	-0.00657	0.136266	-0.04823	0.961534	0.999277
0.87673	0.976116206	41.6535	0.020177	0.214212	0.094191	0.924957	0.999277
0.858013	0.972126647	44.46436	0.02461	0.21581	0.114038	0.909208	0.999277
0.487354	0.850008426	203.9223	0.069708	0.179738	0.387835	0.698138	0.999277
0.195229	0.641175643	28.8616	0.144872	0.216964	0.667723	0.50431	0.999277
0.24017	0.688236474	13.88202	0.156032	0.189407	0.823792	0.410058	0.999277
0.982135	0.997345179	139.1594	0.00683	0.177036	0.038578	0.969227	0.999277
0.592633	0.895885058	22.95638	-0.04946	0.214968	-0.2301	0.818015	0.999277
0.821294	0.960727032	57.146	0.029524	0.209354	0.141024	0.887851	0.999277
0.555682	0.882189828	18.94068	0.07161	0.213115	0.336017	0.736858	0.999277
0.136702	0.563112253	119.44	0.117679	0.181691	0.647688	0.517187	0.999277
0.741427	0.94054009	25.65109	0.056664	0.214989	0.263565	0.792115	0.999277
0.319525	0.75036818	218.1998	0.073511	0.18	0.408395	0.682983	0.999277
0.145425	0.575464278	25.82955	-0.16143	0.216121	-0.74695	0.455092	0.999277
0.352868	0.773559122	467.2951	0.091934	0.152269	0.603764	0.546	0.999277
0.538034	0.873794135	39.32653	-0.04646	0.215096	-0.21597	0.829008	0.999277
0.697998	0.93369059	33.07939	0.052472	0.216914	0.241904	0.808854	0.999277
0.371056	0.785664652	278.3382	-0.0699	0.144475	-0.48385	0.628492	0.999277
0.836546	0.965152336	766.3367	-0.01542	0.128523	-0.11997	0.904509	0.999277
0.807193	0.958353056	14.64454	-0.01433	0.204107	-0.07021	0.944024	0.999277
0.368929	0.784642144	221.3405	-0.09316	0.175212	-0.53168	0.594947	0.999277
0.182723	0.629823647	151.0787	-0.07993	0.176053	-0.45399	0.649838	0.999277
0.82365	0.961800984	13.5045	0.031326	0.203239	0.154133	0.877505	0.999277
0.26296	0.706246524	300.4512	-0.0896	0.154562	-0.57971	0.562108	0.999277

0.28019	0.721360425	36.8355	0.105215	0.216979	0.484909	0.627741	0.999277
0.655339	0.920183555	16.79855	-0.05536	0.206221	-0.26847	0.788339	0.999277
0.722197	0.937606901	78.07571	0.043525	0.197135	0.220786	0.825259	0.999277
0.069401	0.42205883	72.27804	-0.12747	0.203593	-0.62612	0.531236	0.999277
0.965889	0.994841882	158.2997	0.012205	0.170696	0.071499	0.943001	0.999277
0.543839	0.875213603	74.87823	0.093831	0.198004	0.473886	0.635581	0.999277
0.691485	0.93167865	24.87283	-0.04395	0.216057	-0.2034	0.838822	0.999277
0.015444	0.194391313	16.61252	-0.20882	0.210164	-0.99362	0.320408	0.999277
0.65064	0.91886709	668.8736	-0.0304	0.121232	-0.25077	0.801992	0.999277
0.088075	0.46774076	11.46605	-0.13927	0.194748	-0.71511	0.474538	0.999277
0.963857	0.994356349	49.62477	0.013485	0.21108	0.063888	0.94906	0.999277
0.687716	0.931172733	78.63791	0.04141	0.198174	0.208959	0.83448	0.999277
0.261748	0.705400661	48.99374	-0.10095	0.212487	-0.4751	0.634716	0.999277
0.229532	0.679696599	9.341214	0.173402	0.1732	1.00117	0.316744	0.999277
0.882483	0.976939501	82.36503	-0.00726	0.193996	-0.03741	0.97016	0.999277
0.147092	0.578629258	60.45467	-0.15176	0.212892	-0.71285	0.475941	0.999277
0.196515	0.643195332	240.3758	-0.07458	0.153046	-0.48728	0.626057	0.999277
0.117569	0.527357968	169.5184	0.190599	0.169779	1.122628	0.261595	0.999277
0.21722	0.667997063	166.1871	-0.07872	0.172245	-0.457	0.647669	0.999277
0.192635	0.639447293	9.84671	0.164512	0.190829	0.862091	0.388637	0.999277
0.733559	0.938791295	10.86557	0.057105	0.195805	0.291644	0.770559	0.999277
0.062656	0.403818487	38.96793	0.193474	0.215647	0.897177	0.369624	0.999277
0.216517	0.66711094	726.3737	0.10073	0.121879	0.826477	0.408533	0.999277
0.293718	0.733713995	193.1387	-0.07367	0.159313	-0.46244	0.643764	0.999277
0.520472	0.865424774	66.93354	0.06474	0.204046	0.317279	0.751032	0.999277
0.65357	0.919811662	399.9826	0.044139	0.13876	0.318096	0.750412	0.999277
0.272552	0.715514773	331.8172	-0.09279	0.151664	-0.61179	0.540674	0.999277
0.090404	0.473154352	32.17685	-0.15388	0.216812	-0.70973	0.477873	0.999277
0.697527	0.93366087	29.35148	-0.04969	0.216976	-0.22902	0.818853	0.999277
0.703266	0.934077476	271.2744	0.041841	0.145318	0.287927	0.773402	0.999277
0.979302	0.996602004	276.7933	0.004875	0.147151	0.033132	0.97357	0.999277
0.409385	0.803007486	307.7302	-0.07476	0.151193	-0.49448	0.620965	0.999277
0.78856	0.954339571	66.90421	-0.02049	0.205663	-0.09965	0.920623	0.999277
0.431697	0.816304844	323.6631	0.083368	0.144085	0.578603	0.562857	0.999277
0.931638	0.986607773	20.25449	-0.00219	0.214004	-0.01024	0.991829	0.999277
0.906555	0.982337683	143.7985	0.020733	0.174321	0.118934	0.905328	0.999277
0.12569	0.541794282	88.56635	-0.12294	0.192384	-0.63901	0.522813	0.999277
0.04675	0.348720368	975.1164	-0.17082	0.115496	-1.479	0.139142	0.965395
0.989126	0.998538548	38.80275	0.007801	0.215542	0.036194	0.971128	0.999277
0.210319	0.659576262	250.8792	0.092874	0.149399	0.621652	0.534171	0.999277
0.224392	0.674335873	899.1009	0.16191	0.129619	1.249123	0.21162	0.999277
0.974475	0.996034757	133.8484	0.001923	0.180906	0.010632	0.991517	0.999277
0.184815	0.631890551	99.52148	-0.10949	0.196184	-0.55812	0.57676	0.999277
0.729864	0.938791295	277.5386	-0.02271	0.155247	-0.14626	0.883717	0.999277
0.819976	0.960194571	462.6798	0.028433	0.144862	0.196274	0.844396	0.999277
0.272708	0.715514773	227.9651	0.109916	0.162349	0.677034	0.498384	0.999277
0.25506	0.701320841	11.74405	-0.12074	0.198871	-0.60714	0.543761	0.999277
0.819038	0.960094308	284.3102	-0.01844	0.144941	-0.12725	0.898746	0.999277
0.191612	0.638563236	61.26892	0.14356	0.20714	0.693057	0.488274	0.999277
0.932498	0.986607773	35.01287	0.015764	0.216806	0.072712	0.942035	0.999277
0.949049	0.991148678	69.65753	0.011882	0.207302	0.057316	0.954293	0.999277
0.602883	0.900215646	6707.855	-0.05276	0.098348	-0.53647	0.591635	0.999277

0.666368	0.925067398	98.08931	0.05128	0.190661	0.268958	0.787962	0.999277
0.423375	0.813443725	118.9133	-0.10084	0.182516	-0.55248	0.580621	0.999277
0.056018	0.382861867	97.22463	0.164563	0.192451	0.855089	0.392502	0.999277
0.855415	0.970970725	410.7717	-0.01933	0.139331	-0.13871	0.889682	0.999277
0.498321	0.854017559	207.8767	-0.03272	0.174183	-0.18784	0.851002	0.999277
0.762315	0.946661216	18.69705	-0.0173	0.090369	-0.19142	0.848194	0.999277
0.137465	0.564546975	269.9779	-0.12081	0.15607	-0.77405	0.438904	0.999277
0.829099	0.963218067	27.55957	0.031228	0.216961	0.143933	0.885554	0.999277
0.904271	0.982337683	309.9971	0.017696	0.170784	0.103616	0.917474	0.999277
6.92E-07	0.000223505	365.1949	-0.41533	0.148639	-2.7942	0.005203	0.323296
0.465697	0.836748046	144.3938	0.102789	0.181977	0.564849	0.572177	0.999277
0.993577	0.99855536	154.5036	0.004528	0.183238	0.024712	0.980284	0.999277
0.259532	0.704211455	199.1929	-0.08112	0.168749	-0.48069	0.63074	0.999277
0.704612	0.934710222	48.55893	0.033056	0.214751	0.153926	0.877668	0.999277
0.415212	0.807960817	820.2008	0.096286	0.149695	0.64321	0.520088	0.999277
0.092166	0.476773026	193.3466	0.107197	0.157703	0.67974	0.496669	0.999277
0.62432	0.908040588	9.166618	0.072764	0.187795	0.387463	0.698413	0.999277
0.568479	0.888146309	137.0312	-0.04511	0.18496	-0.24387	0.80733	0.999277
0.467341	0.838178837	192.4731	0.0841	0.17246	0.48765	0.625797	0.999277
0.377516	0.788723282	43.86015	0.10928	0.213739	0.511275	0.609158	0.999277
0.248276	0.69561779	245.9787	-0.06054	0.16309	-0.37123	0.710465	0.999277
0.910518	0.983347023	428.2475	0.020553	0.140003	0.146804	0.883287	0.999277
0.739417	0.940232174	872.7303	0.020546	0.113527	0.180981	0.856383	0.999277
0.201911	0.649877254	58.90048	0.13643	0.212347	0.642487	0.520557	0.999277
0.987221	0.998315506	12.70278	0.00662	0.184672	0.035848	0.971403	0.999277
0.808588	0.958353056	115.4198	-0.02162	0.186388	-0.11602	0.90764	0.999277
0.970243	0.99553873	105.2642	0.000681	0.189053	0.0036	0.997127	0.999737
0.636487	0.912524658	478.1526	-0.05289	0.128214	-0.41251	0.679966	0.999277
0.907901	0.982426881	104.5766	-0.00561	0.191323	-0.02931	0.976618	0.999277
0.8512	0.96960608	63.57971	-0.01534	0.207973	-0.07376	0.941205	0.999277
0.485621	0.84842492	18.91413	-0.04634	0.211871	-0.21871	0.826877	0.999277
0.676386	0.927787926	22.3641	-0.05289	0.209442	-0.25255	0.800617	0.999277
0.924475	0.985704596	35.79181	-0.00708	0.216239	-0.03274	0.973881	0.999277
0.231616	0.681647826	141.0871	0.078476	0.173349	0.452704	0.650762	0.999277
0.420027	0.811450072	178.8125	0.053888	0.199844	0.269649	0.78743	0.999277
0.903118	0.98194044	224.6935	-0.00487	0.160538	-0.03033	0.975803	0.999277
0.693984	0.932496785	5637.298	-0.03165	0.206538	-0.15324	0.878208	0.999277
0.693984	0.932496785	5637.622	-0.03166	0.206537	-0.15331	0.878151	0.999277
0.939687	0.987896639	9.596854	-0.00723	0.186827	-0.0387	0.969131	0.999277
0.274318	0.716737013	15.05366	0.154056	0.205119	0.751057	0.452618	0.999277
0.144238	0.573945795	50.83483	-0.11	0.209597	-0.5248	0.599725	0.999277
0.443077	0.82258459	98.21896	-0.06392	0.187334	-0.34119	0.732964	0.999277
0.287979	0.728365682	40.77011	0.109469	0.214918	0.509355	0.610504	0.999277
0.70135	0.934077476	124.362	0.044891	0.184605	0.24317	0.807873	0.999277
0.399603	0.79970322	501.4349	0.064836	0.136164	0.476166	0.633956	0.999277
0.486873	0.849704907	36.76253	0.072543	0.216706	0.334752	0.737812	0.999277
0.212789	0.662162147	13.27953	-0.1292	0.199854	-0.64645	0.517987	0.999277
0.536076	0.872591863	205.3965	0.068133	0.165704	0.411171	0.680947	0.999277
0.432922	0.817148019	439.0237	-0.06209	0.134899	-0.46025	0.645338	0.999277
0.784619	0.95302139	58.93235	-0.02352	0.207696	-0.11325	0.909829	0.999277
0.689617	0.93158774	136.4945	0.03064	0.188484	0.162561	0.870864	0.999277
0.734872	0.938791295	94.22053	0.036201	0.204559	0.176968	0.859533	0.999277

0.968864	0.99553873	164.503	0.00692	0.193986	0.035674	0.971542	0.999277
0.944556	0.989441125	293.9918	-0.00306	0.140844	-0.02175	0.982646	0.999277
0.553167	0.880941817	53.15588	0.050463	0.211069	0.239083	0.811041	0.999277
0.527875	0.868933061	15.14991	0.071373	0.205625	0.347103	0.728514	0.999277
0.447374	0.824078276	193.9371	-0.08126	0.164381	-0.49435	0.621057	0.999277
0.389643	0.794805703	127.7569	0.128293	0.193033	0.664615	0.506297	0.999277
0.990061	0.998538548	426.749	0.003565	0.138217	0.025795	0.979421	0.999277
0.979278	0.996602004	73.35824	-3.53E-06	0.200524	-1.76E-05	0.999986	0.999986
0.096105	0.486139841	68.30568	-0.1448	0.204829	-0.70694	0.479604	0.999277
0.923184	0.985704596	198.3365	-0.01034	0.1629	-0.06348	0.949383	0.999277
0.68493	0.931172733	2189.972	-0.04517	0.136753	-0.33028	0.741186	0.999277
0.621646	0.907988155	43212.69	-0.05927	0.10433	-0.56805	0.569999	0.999277
0.800946	0.956594149	21.79801	-0.03336	0.215174	-0.15505	0.876785	0.999277
0.612027	0.904588989	80.86305	0.056931	0.195484	0.291231	0.770875	0.999277
0.749342	0.942352049	475.745	-0.03028	0.129687	-0.23348	0.815388	0.999277
0.708647	0.93479128	23.03214	0.040205	0.213838	0.188018	0.850863	0.999277
0.780656	0.951539521	71.70856	-0.02709	0.203619	-0.13304	0.89416	0.999277
0.873636	0.975929662	455.4441	-0.01146	0.128411	-0.08927	0.928865	0.999277
0.37919	0.789493182	127.034	0.080053	0.177721	0.450443	0.652391	0.999277
0.747775	0.942083826	277.5498	0.045486	0.164325	0.276802	0.781932	0.999277
0.522597	0.867020566	20.24868	-0.05693	0.212797	-0.26754	0.789052	0.999277
0.365354	0.782140075	150.2189	-0.11996	0.169685	-0.70694	0.479606	0.999277
0.922096	0.985704596	162.682	-0.00544	0.166923	-0.03261	0.973988	0.999277
0.960233	0.993839272	204.7792	0.0067	0.172418	0.038862	0.969001	0.999277
0.764901	0.947560599	55.02578	-0.02561	0.209717	-0.12213	0.902796	0.999277
0.771272	0.94929683	152.2263	0.018528	0.167897	0.110356	0.912127	0.999277
0.994588	0.998654685	115.3529	0.001148	0.189548	0.006058	0.995166	0.999277
0.776784	0.950382298	61.03489	0.03465	0.206143	0.168089	0.866513	0.999277
0.029166	0.273827696	83.94601	0.169131	0.194058	0.87155	0.383454	0.999277
0.132694	0.555153659	1364.016	-0.10519	0.139332	-0.75496	0.450272	0.999277
0.130572	0.550760293	77.71461	0.162094	0.198829	0.815244	0.414933	0.999277
0.453638	0.828272792	17.31078	-0.08218	0.207141	-0.39672	0.691573	0.999277
0.983176	0.997427682	141.4685	0.003339	0.178958	0.018657	0.985115	0.999277
0.725094	0.938023838	15.25089	0.052996	0.189297	0.279964	0.779505	0.999277
0.354984	0.774326904	47.57289	-0.07477	0.215301	-0.34729	0.728375	0.999277
0.374393	0.787458382	481.0489	0.077974	0.124619	0.625703	0.53151	0.999277
0.706529	0.93479128	266.1788	0.045703	0.144816	0.315594	0.752311	0.999277
0.181088	0.626594175	53.95162	-0.11705	0.207709	-0.56353	0.573073	0.999277
0.500808	0.855663996	82.10408	0.048761	0.193989	0.251357	0.801538	0.999277
0.374654	0.787458382	184.2748	0.100462	0.161957	0.620302	0.535059	0.999277
0.587142	0.894310786	162.6426	0.062142	0.165591	0.375277	0.707454	0.999277
0.564019	0.885572292	12.71237	-0.05889	0.19879	-0.29625	0.767036	0.999277
0.152272	0.588271994	15.49465	0.185253	0.2039	0.90855	0.363588	0.999277
0.641873	0.914411444	815.3441	-0.03985	0.127723	-0.31201	0.755031	0.999277
0.497064	0.853814273	14.51075	-0.0636	0.201938	-0.31493	0.752812	0.999277
0.11801	0.528129795	63.29608	0.170931	0.208387	0.820258	0.412069	0.999277
0.825582	0.962521459	11.35516	0.030385	0.196473	0.154654	0.877094	0.999277
0.238061	0.686995824	1280.912	0.087869	0.103205	0.851408	0.394543	0.999277
0.582738	0.892926328	127.6072	-0.04218	0.178197	-0.23673	0.812869	0.999277
0.801059	0.956594149	839.1555	0.037376	0.137175	0.272473	0.785258	0.999277
0.71824	0.935996695	30.37305	0.053082	0.217012	0.244604	0.806763	0.999277
0.793242	0.955328559	18.3615	0.028416	0.21098	0.134685	0.892861	0.999277

0.963334	0.994289023	364.9696	-0.00474	0.158952	-0.02979	0.976235	0.999277
0.307543	0.743099434	228.1267	-0.06143	0.160261	-0.38331	0.70149	0.999277
0.475162	0.842372801	629.4927	-0.0943	0.137943	-0.68363	0.494209	0.999277
0.93971	0.987896639	9.907866	-0.00981	0.189426	-0.05181	0.958678	0.999277
0.307888	0.743099434	232.7501	0.083885	0.161587	0.51913	0.60367	0.999277
0.351797	0.773305507	76.19736	-0.11882	0.199953	-0.59422	0.552365	0.999277
0.319835	0.75070949	1364.156	0.112034	0.10152	1.103567	0.269781	0.999277
0.585058	0.893377404	254.8698	-0.03531	0.170847	-0.20668	0.836257	0.999277
0.205138	0.653022736	51.99584	-0.10343	0.212001	-0.48786	0.625647	0.999277
0.97182	0.99553873	118.2122	0.004678	0.182044	0.025698	0.979499	0.999277
0.808152	0.958353056	27.41586	-0.03368	0.216292	-0.1557	0.87627	0.999277
0.589683	0.895308458	24.25183	-0.06013	0.215372	-0.27919	0.780101	0.999277
0.857606	0.971994044	454.3151	0.018942	0.141113	0.134229	0.893221	0.999277
0.883261	0.976958449	72.4978	-0.0202	0.203345	-0.09936	0.92085	0.999277
0.995488	0.998654685	21.99946	-0.00022	0.213631	-0.00104	0.99917	0.999986
0.590435	0.895584283	18.54757	0.072617	0.211261	0.34373	0.73105	0.999277
0.889769	0.978618144	97.25344	-0.01905	0.19524	-0.09755	0.922291	0.999277
0.59316	0.895885058	22.39776	0.04035	0.215324	0.187391	0.851354	0.999277
0.016845	0.203222327	406.3217	-0.13897	0.159863	-0.86929	0.384689	0.999277
0.643028	0.914852273	360.9796	-0.0298	0.155214	-0.19201	0.847734	0.999277
0.38269	0.790738618	28.8235	0.127371	0.215911	0.589921	0.555244	0.999277
0.32118	0.751482438	82.64745	0.135751	0.200897	0.675722	0.499217	0.999277
0.827015	0.962625456	59.39664	0.025722	0.205697	0.125046	0.900487	0.999277
0.49512	0.853418843	426.83	0.073221	0.131761	0.555712	0.578408	0.999277
0.516147	0.863162089	55.89391	0.051611	0.208756	0.247233	0.804728	0.999277
0.279291	0.721123198	109.0754	0.092891	0.184523	0.503412	0.614675	0.999277
0.750236	0.942407307	46.80047	-0.0247	0.213193	-0.11584	0.907776	0.999277
0.708353	0.93479128	279.6037	0.031129	0.159383	0.19531	0.84515	0.999277
0.843597	0.967429308	10.35047	-0.02641	0.186204	-0.14183	0.887211	0.999277
0.483976	0.84821099	195.5651	-0.06503	0.15771	-0.41234	0.680093	0.999277
0.097828	0.488663988	248.1111	0.102469	0.149096	0.687268	0.491914	0.999277
0.16526	0.604468707	13.05512	-0.13638	0.195795	-0.69654	0.486093	0.999277
0.073901	0.432313991	70.66411	-0.17197	0.200189	-0.85903	0.390322	0.999277
0.722384	0.937668081	9.96488	0.035335	0.173996	0.203078	0.839074	0.999277
0.266836	0.709811073	42.52527	0.096801	0.21573	0.448712	0.653639	0.999277
0.421951	0.812477979	109.0569	0.066556	0.196864	0.33808	0.735303	0.999277
0.011071	0.163336024	23.63353	-0.29561	0.215504	-1.3717	0.170158	0.999277
0.929788	0.98582665	116.8799	-0.00637	0.178559	-0.03567	0.971546	0.999277
0.481308	0.846450746	36.10392	0.088006	0.216991	0.405574	0.685056	0.999277
0.085581	0.46122052	24.01724	0.170931	0.215763	0.792213	0.428236	0.999277
0.274682	0.716893573	273.3802	-0.06181	0.154495	-0.40006	0.689114	0.999277
0.456737	0.830753189	16.36381	0.081751	0.209078	0.391006	0.695793	0.999277
0.946079	0.989708344	494.6892	-0.01033	0.17586	-0.05872	0.953173	0.999277
0.725119	0.938023838	246.699	-0.03371	0.155349	-0.21702	0.828193	0.999277
0.956876	0.99298571	99.91737	-0.00461	0.191173	-0.02412	0.98076	0.999277
0.808883	0.958353056	340.9908	0.02937	0.156457	0.187722	0.851095	0.999277
0.847174	0.968350774	79.54968	0.025914	0.204246	0.126879	0.899036	0.999277
0.742539	0.940595738	91.25026	0.04609	0.19261	0.239293	0.810878	0.999277
0.943845	0.989149515	208.4555	0.004622	0.16128	0.028661	0.977135	0.999277
0.199248	0.646371985	130.8136	0.102077	0.174725	0.584214	0.559076	0.999277
0.263935	0.706972283	139.0541	0.109281	0.180786	0.604476	0.545527	0.999277
0.403089	0.800131402	139.9594	0.080906	0.207521	0.389868	0.696634	0.999277

0.873094	0.975929662	12.69896	-0.02068	0.198291	-0.10431	0.916921	0.999277
0.652759	0.919811662	719.6527	0.039187	0.125529	0.312171	0.75491	0.999277
0.669983	0.925403052	60.68534	0.034243	0.207542	0.164995	0.868948	0.999277
0.020301	0.225380112	84.89514	0.133108	0.192626	0.691019	0.489554	0.999277
0.540324	0.873794135	190.7624	-0.0523	0.159299	-0.32834	0.742656	0.999277
0.414774	0.807960817	36.32514	0.090063	0.216413	0.416161	0.677292	0.999277
0.961791	0.994289023	27.87459	0.003367	0.217008	0.015514	0.987622	0.999277
0.042174	0.332591929	186.6726	0.185615	0.181101	1.024923	0.305399	0.999277
0.173751	0.615893978	112.8076	0.14791	0.185747	0.796301	0.425857	0.999277
0.87724	0.976223954	12.17983	-0.02406	0.191283	-0.12579	0.899901	0.999277
0.074679	0.434159748	106.2294	0.244648	0.193239	1.266042	0.205498	0.999277
0.136544	0.563112253	276.0903	0.134666	0.14952	0.900654	0.367772	0.999277
0.82568	0.962521459	1475.794	0.008374	0.116239	0.072038	0.942572	0.999277
0.910738	0.983347023	31.04556	0.008162	0.216836	0.037642	0.969973	0.999277
0.677009	0.927787926	110.4421	-0.03234	0.19266	-0.16786	0.866691	0.999277
0.903006	0.98194044	92.92437	0.010011	0.197047	0.050807	0.959479	0.999277
0.575587	0.890535872	51.87147	0.03874	0.209312	0.185084	0.853163	0.999277
0.944697	0.989441125	289.652	-0.00806	0.147732	-0.05459	0.956467	0.999277
0.755827	0.944612481	139.5849	-0.01948	0.173067	-0.11254	0.910398	0.999277
0.29548	0.734835359	32.90586	0.133845	0.21702	0.616738	0.537408	0.999277
0.185771	0.631890551	35.52009	-0.11548	0.215912	-0.53486	0.592744	0.999277
0.69515	0.933115203	275.4398	0.038584	0.150634	0.256148	0.797837	0.999277
0.219023	0.669212189	31.92741	-0.10705	0.216947	-0.49344	0.621705	0.999277
0.038547	0.319379623	388.2825	-0.22342	0.144756	-1.54341	0.122731	0.934442
0.489959	0.85150948	88.19323	0.053105	0.198689	0.267275	0.789258	0.999277
0.164169	0.603036338	44.64162	0.126949	0.213214	0.595404	0.551574	0.999277
0.611903	0.904588989	120.7669	-0.04961	0.17993	-0.27574	0.782747	0.999277
0.995097	0.998654685	65.74384	-0.00151	0.20786	-0.00726	0.994206	0.999277
0.620386	0.907694108	435.8321	-0.0443	0.139773	-0.31695	0.751282	0.999277
0.447889	0.824078276	410.7285	0.083482	0.151596	0.550688	0.581848	0.999277
0.601528	0.899470672	62.50386	-0.07737	0.20912	-0.36998	0.7114	0.999277
0.235701	0.684468943	132.3685	-0.07668	0.175735	-0.43631	0.662611	0.999277
0.171452	0.612944006	26.68822	-0.1807	0.215655	-0.83791	0.402081	0.999277
0.444983	0.823581052	22.20161	0.075987	0.214575	0.354127	0.723244	0.999277
0.838683	0.96567072	105.292	-0.03041	0.189907	-0.16011	0.872796	0.999277
0.613484	0.905484683	24.61777	-0.07598	0.214482	-0.35425	0.723148	0.999277
0.725395	0.938023838	242.3359	-0.04106	0.162391	-0.25283	0.800396	0.999277
0.622448	0.907988155	40.6515	0.052724	0.216346	0.243703	0.807461	0.999277
0.024921	0.252067123	184.8696	0.146817	0.160989	0.911968	0.361785	0.999277
0.19353	0.639447293	173.951	0.105112	0.162958	0.645024	0.518911	0.999277
0.190628	0.63818851	40.45018	0.148488	0.216927	0.684507	0.493655	0.999277
0.104559	0.501644228	25.61792	0.211099	0.215083	0.981474	0.326359	0.999277
0.587928	0.894310786	278.0876	-0.07846	0.153468	-0.51125	0.609174	0.999277
0.599356	0.898925427	163.6285	0.064193	0.172689	0.371725	0.710098	0.999277
0.852891	0.969826251	50.96179	-0.02112	0.214379	-0.09854	0.921504	0.999277
0.309404	0.743742878	173.002	-0.09238	0.163951	-0.56347	0.573114	0.999277
0.81194	0.958678625	851.9406	0.011014	0.127124	0.08664	0.930958	0.999277
0.974515	0.996034757	267.2982	-0.00564	0.166113	-0.03393	0.972932	0.999277
0.215095	0.666012162	204.6496	-0.14074	0.160092	-0.87914	0.379327	0.999277
0.338463	0.761270124	95.26231	-0.11307	0.190121	-0.59471	0.552036	0.999277
0.737885	0.939957965	124.3016	0.030856	0.19541	0.157906	0.874531	0.999277
0.648107	0.918344885	24.45421	0.041577	0.215785	0.192678	0.847211	0.999277

0.081844	0.451884964	471.5958	0.084665	0.134043	0.63163	0.527628	0.999277
0.589989	0.895584283	15.14994	-0.07751	0.206249	-0.37579	0.707075	0.999277
0.357952	0.776142565	68.5638	0.09047	0.203383	0.444828	0.656444	0.999277
0.309415	0.743742878	53.53743	-0.14019	0.209014	-0.67074	0.502386	0.999277
0.899649	0.981243428	39.82287	0.014094	0.214904	0.065584	0.947709	0.999277
0.755987	0.944670939	9.010152	0.037362	0.175927	0.21237	0.831818	0.999277
0.584412	0.893086908	64.0846	0.048381	0.212469	0.227708	0.819873	0.999277
0.257492	0.702667742	59.57601	0.09283	0.209103	0.443943	0.657084	0.999277
0.525748	0.868304398	68.03079	0.066758	0.202453	0.329746	0.741592	0.999277
0.775076	0.950087614	81.99699	-0.03141	0.196328	-0.15999	0.872885	0.999277
0.054169	0.376341502	30.12848	0.192323	0.216594	0.887941	0.374573	0.999277
0.459871	0.832372815	171.9018	0.059485	0.172072	0.345699	0.729569	0.999277
0.299913	0.738149848	420.7476	-0.08626	0.130575	-0.66059	0.508877	0.999277
0.02346	0.244449278	193.3592	0.146511	0.171874	0.852429	0.393976	0.999277
0.695177	0.933115203	17.91906	0.052412	0.211671	0.24761	0.804436	0.999277
0.71772	0.935996695	10.7262	0.046913	0.192073	0.244246	0.807041	0.999277
0.932098	0.986607773	506.4724	-0.01011	0.123232	-0.08205	0.934604	0.999277
0.79685	0.955768085	966.9309	-0.0353	0.108544	-0.32522	0.745014	0.999277
0.242036	0.689488429	20.36731	0.104007	0.213298	0.487611	0.625826	0.999277
0.035208	0.303238692	124.4297	0.120518	0.180324	0.668346	0.503913	0.999277
0.758507	0.945376634	1335.414	0.018016	0.111016	0.16228	0.871086	0.999277
0.892767	0.979423868	84.66663	0.006761	0.195194	0.034635	0.97237	0.999277
0.770117	0.94929683	116.8102	0.023573	0.180582	0.130541	0.896138	0.999277
0.706189	0.93479128	215.2687	0.025518	0.155266	0.164351	0.869455	0.999277
0.094782	0.484179506	66.047	-0.15386	0.204654	-0.75182	0.452157	0.999277
0.083089	0.455217803	163.5437	0.126416	0.171706	0.736234	0.461588	0.999277
0.575206	0.890535872	9.335509	0.070958	0.189293	0.374855	0.707768	0.999277
0.775026	0.950087614	37.15711	-0.04366	0.215689	-0.20242	0.839586	0.999277
0.528951	0.86938189	45.69569	0.042443	0.216032	0.196467	0.844244	0.999277
0.252159	0.698196257	49.82821	0.1104	0.210534	0.524381	0.600014	0.999277
0.913744	0.983953937	262.2507	-0.01188	0.148403	-0.08007	0.936185	0.999277
0.764585	0.947560599	115.2929	0.027723	0.183133	0.15138	0.879676	0.999277
0.738747	0.940232174	119.0103	-0.04855	0.178802	-0.27154	0.785973	0.999277
0.966777	0.994967341	35.85508	0.000333	0.216612	0.001539	0.998772	0.999986
0.558171	0.882863308	100.9688	-0.04016	0.18715	-0.2146	0.830077	0.999277
0.043267	0.335849873	24.08028	-0.29514	0.215807	-1.36763	0.171428	0.999277
0.376903	0.788552212	2836.5	-0.09027	0.125534	-0.71912	0.472069	0.999277
0.668173	0.925067398	61.22452	-0.04173	0.213734	-0.19524	0.845203	0.999277
0.522991	0.867041719	30.53037	-0.06982	0.217023	-0.32172	0.747662	0.999277
0.617702	0.907013067	27.96495	-0.07271	0.216563	-0.33576	0.737048	0.999277
0.293236	0.733452399	85.40477	0.125523	0.206103	0.609033	0.542503	0.999277
0.734362	0.938791295	121.811	0.021287	0.185984	0.114456	0.908876	0.999277
0.971162	0.99553873	320.5781	-0.00315	0.150814	-0.02088	0.983344	0.999277
0.339454	0.762730786	47.8034	-0.10258	0.211103	-0.48592	0.627022	0.999277
0.110908	0.515233026	31.00323	-0.16106	0.216885	-0.74263	0.457706	0.999277
0.883638	0.977133098	24.48949	0.009282	0.214959	0.043181	0.965557	0.999277
0.972499	0.995679341	606.9654	-0.00276	0.12776	-0.0216	0.982768	0.999277
0.08701	0.464218963	226.4043	-0.15096	0.151327	-0.99757	0.318489	0.999277
0.530876	0.870060675	51.96271	-0.08809	0.211692	-0.41613	0.677312	0.999277
0.352166	0.773559122	315.0812	-0.07745	0.140068	-0.55292	0.58032	0.999277
0.162736	0.601575664	1228.979	-0.1204	0.115407	-1.04324	0.296836	0.999277
0.892602	0.979423868	481.291	-0.02586	0.125073	-0.20674	0.836215	0.999277

0.801726	0.95675967	113.4287	0.014276	0.182678	0.078146	0.937712	0.999277
0.440411	0.821185993	51.47345	-0.08012	0.210611	-0.38041	0.703643	0.999277
0.88133	0.97678025	175.7859	0.004365	0.188566	0.023146	0.981534	0.999277
0.277178	0.719029782	13.89903	0.0838	0.203155	0.412494	0.679977	0.999277
0.287635	0.727908473	307.2792	0.070781	0.157428	0.44961	0.652992	0.999277
0.378557	0.789109046	30.7397	-0.08901	0.216063	-0.41198	0.68035	0.999277
0.258983	0.703765032	41.30411	0.09349	0.214825	0.435192	0.663423	0.999277
0.208481	0.656690788	37.27677	-0.16371	0.216378	-0.7566	0.449291	0.999277
0.456881	0.830834962	96.74427	-0.09844	0.197081	-0.4995	0.617429	0.999277
0.732217	0.938791295	37.4311	0.034127	0.216081	0.157935	0.874508	0.999277
0.201124	0.648578288	224.57	0.134299	0.160886	0.834744	0.403862	0.999277
0.529072	0.86938189	55.99932	-0.05107	0.207659	-0.24593	0.805737	0.999277
0.925829	0.985704596	72.87875	0.001343	0.199252	0.006742	0.994621	0.999277
0.374387	0.787458382	519.1553	0.086318	0.14042	0.614714	0.538744	0.999277
0.285183	0.725825945	8.750635	0.139595	0.174433	0.800276	0.423551	0.999277
0.041975	0.332540301	62.12969	0.1202	0.210936	0.56984	0.568787	0.999277
0.676892	0.927787926	249.7596	-0.04931	0.156751	-0.3146	0.753066	0.999277
0.613328	0.905484683	13.72768	-0.07621	0.190487	-0.4001	0.689085	0.999277
0.621689	0.907988155	178.1418	-0.05759	0.191194	-0.30124	0.763234	0.999277
0.147321	0.578667199	101.2017	-0.14676	0.18634	-0.78761	0.430924	0.999277
0.5057	0.858046408	107.9956	-0.07533	0.18751	-0.40171	0.687895	0.999277
0.961094	0.994289023	1849.099	-0.00298	0.117106	-0.02543	0.979711	0.999277
0.395725	0.797110796	11.89805	-0.12992	0.194482	-0.66805	0.504105	0.999277
0.913728	0.983953937	33.71708	0.008008	0.216322	0.037017	0.970471	0.999277
0.92396	0.985704596	33.13804	0.003188	0.216966	0.014693	0.988277	0.999277
0.341058	0.763821331	23.29637	0.091255	0.214975	0.42449	0.671209	0.999277
0.849255	0.969140464	201.1469	0.01156	0.160309	0.072109	0.942515	0.999277
0.922038	0.985704596	39.58801	0.006228	0.215875	0.028849	0.976985	0.999277
0.169973	0.611307739	2417.734	0.146496	0.12188	1.201964	0.229378	0.999277
0.560568	0.884247127	28.77201	0.062055	0.216343	0.286837	0.774237	0.999277
0.318199	0.7500298	43.46691	0.126604	0.216182	0.585638	0.558119	0.999277
0.991987	0.998538548	103.6132	-0.00657	0.187814	-0.03497	0.972105	0.999277
0.023279	0.243292813	28.68978	0.143018	0.216042	0.661991	0.507977	0.999277
0.251812	0.697958034	85.60788	-0.1033	0.1937	-0.53332	0.59381	0.999277
0.267327	0.710410272	72.8749	0.075778	0.204917	0.369798	0.711533	0.999277
0.090228	0.472998796	175.3432	0.177542	0.192519	0.922202	0.356423	0.999277
0.266039	0.709243732	60.30535	0.121924	0.206591	0.590172	0.555075	0.999277
0.538859	0.873794135	115.1877	0.052784	0.185398	0.284707	0.775869	0.999277
0.14813	0.580458144	47.26455	-0.21676	0.214318	-1.01138	0.311836	0.999277
0.067343	0.416747554	16.26585	0.207319	0.208701	0.993379	0.320525	0.999277
0.208382	0.656690788	337.6679	-0.152	0.137137	-1.10839	0.267695	0.999277
0.7061	0.93479128	121.0991	0.040823	0.181723	0.224644	0.822256	0.999277
0.386393	0.792576238	22.66323	-0.11443	0.215825	-0.53019	0.595982	0.999277
0.674371	0.927604313	25.88341	-0.04509	0.216468	-0.20829	0.835006	0.999277
0.109398	0.512855014	314.0873	0.080982	0.152719	0.530267	0.595927	0.999277
0.667233	0.925067398	14.45659	-0.06644	0.204185	-0.32539	0.744888	0.999277
0.963252	0.994289023	50.26539	-0.00198	0.21292	-0.00929	0.992586	0.999277
0.652866	0.919811662	53.53173	-0.07045	0.214827	-0.32792	0.742972	0.999277
0.366188	0.782890582	105.7008	0.097284	0.184759	0.526547	0.598508	0.999277
0.236456	0.685759421	405.5819	0.070048	0.132887	0.527127	0.598106	0.999277
0.551669	0.880267949	59.92764	0.065475	0.206454	0.317141	0.751137	0.999277
0.940723	0.988134075	70.05539	-0.0177	0.207051	-0.08549	0.931874	0.999277

0.536325	0.872707347	166.1126	0.062216	0.175951	0.353596	0.723642	0.999277
0.877509	0.976223954	14.35407	0.013673	0.199531	0.068525	0.945368	0.999277
0.898621	0.981094455	882.6186	-0.01748	0.125407	-0.13938	0.889154	0.999277
0.819666	0.960194571	428.9245	-0.02875	0.135676	-0.21191	0.83218	0.999277
0.592218	0.895697175	47.74536	-0.07933	0.213807	-0.37106	0.710596	0.999277
0.346842	0.768352388	1002.532	0.057524	0.120975	0.475506	0.634426	0.999277
0.74968	0.942352049	31.22385	-0.03799	0.213627	-0.17783	0.858857	0.999277
0.723221	0.937762828	870.467	-0.05065	0.126979	-0.39887	0.68999	0.999277
0.878978	0.976462251	1589.579	0.013228	0.104825	0.126189	0.899582	0.999277
0.184672	0.631890551	31.47047	0.118633	0.216951	0.546818	0.584504	0.999277
0.437876	0.819206029	105.1753	0.055712	0.186716	0.298379	0.765414	0.999277
0.332127	0.757999532	196.1392	0.067836	0.166732	0.406858	0.684113	0.999277
0.913435	0.983953937	202.3316	-0.01951	0.163167	-0.11959	0.904805	0.999277
0.332936	0.758647824	28.84138	0.073122	0.216687	0.337456	0.735773	0.999277
0.926986	0.985704596	110.6946	-0.00028	0.200358	-0.00139	0.998892	0.999986
0.837751	0.965547986	30.32162	0.006337	0.217017	0.029201	0.976704	0.999277
0.318888	0.75032045	121.9101	0.086658	0.177078	0.489379	0.624574	0.999277
0.205866	0.65381832	107.6136	0.158474	0.187902	0.843387	0.399012	0.999277
0.450408	0.826097825	43.92939	0.07901	0.214487	0.368367	0.7126	0.999277
0.726207	0.938348236	485.0433	0.01817	0.133688	0.135916	0.891888	0.999277
0.552852	0.880912848	16.0268	-0.08544	0.205932	-0.41487	0.678236	0.999277
0.401413	0.799749836	16.1122	0.082576	0.207478	0.397997	0.690632	0.999277
0.900788	0.981243428	20.52364	-0.02228	0.211601	-0.10531	0.916132	0.999277
0.679115	0.928687921	173.0352	0.033702	0.168153	0.200423	0.84115	0.999277
0.056116	0.382899194	35.1442	0.188959	0.216902	0.871172	0.38366	0.999277
0.503331	0.856224864	96.71207	0.080343	0.192721	0.416885	0.676762	0.999277
0.795442	0.95546283	17.29103	-0.04765	0.209908	-0.22699	0.820429	0.999277
0.623165	0.907988155	208.6398	0.046287	0.156375	0.295997	0.767232	0.999277
0.21916	0.669212189	231.0475	0.152941	0.17425	0.877713	0.380099	0.999277
0.155821	0.594363605	13.64481	0.14684	0.19564	0.75056	0.452918	0.999277
0.856885	0.971766934	13.06557	-0.03041	0.201763	-0.15071	0.880208	0.999277
0.282102	0.723217032	19.5233	0.104365	0.213157	0.489613	0.624408	0.999277
0.713711	0.935646775	197.1833	0.011547	0.166204	0.069472	0.944614	0.999277
0.56869	0.888146309	472.3614	0.048969	0.134463	0.364181	0.715723	0.999277
0.279073	0.720991002	10.16235	0.118283	0.191298	0.618318	0.536366	0.999277
0.382695	0.790738618	152.5824	0.066356	0.1685	0.393802	0.693727	0.999277
0.389043	0.794550411	43.03567	0.066006	0.213646	0.308948	0.757361	0.999277
0.334082	0.759008088	301.5046	-0.12534	0.181766	-0.68959	0.490452	0.999277
0.281464	0.722136731	79.63614	-0.16769	0.196896	-0.85166	0.394405	0.999277
0.69133	0.93167865	956.6816	-0.06093	0.117396	-0.51898	0.603773	0.999277
0.314537	0.747422509	399.1498	0.064322	0.133409	0.48214	0.629707	0.999277
0.637232	0.91275233	22.24214	-0.06474	0.213534	-0.30319	0.761747	0.999277
0.727225	0.938587002	38.60009	-0.04435	0.215725	-0.20558	0.837119	0.999277
0.5673	0.888146309	36.78401	-0.06882	0.215927	-0.31871	0.749944	0.999277
0.778637	0.951114135	379.3526	-0.03544	0.14447	-0.24532	0.806211	0.999277
0.628866	0.910993455	18.76958	-0.06106	0.211313	-0.28897	0.772607	0.999277
0.938631	0.987800164	213.9795	-0.00302	0.158558	-0.01903	0.984815	0.999277
0.695332	0.933115203	693.5075	0.041939	0.120223	0.348844	0.727207	0.999277
0.923199	0.985704596	86.44876	0.002748	0.195205	0.014076	0.988769	0.999277
0.456906	0.830834962	29.19336	-0.09307	0.217007	-0.42889	0.668006	0.999277
0.435983	0.818278707	14.30547	0.067298	0.203102	0.331351	0.740379	0.999277
0.554876	0.881824972	47.0961	0.050767	0.213665	0.237601	0.812191	0.999277

0.250584	0.697484296	2049.012	0.123825	0.111194	1.106171	0.268653	0.999277
0.393286	0.795485504	156.6452	0.083509	0.176387	0.473441	0.635899	0.999277
0.720823	0.936824001	24.24587	-0.05482	0.216425	-0.25328	0.800054	0.999277
0.196212	0.642362098	62.74773	0.080822	0.207789	0.388964	0.697303	0.999277
0.396107	0.797158594	94.27695	-0.07602	0.18863	-0.40299	0.686953	0.999277
0.488401	0.850257924	52.98274	0.051857	0.208661	0.248521	0.803731	0.999277
0.823635	0.961800984	138.8945	-0.02466	0.190082	-0.12974	0.896772	0.999277
0.417003	0.808902455	641.4999	0.072891	0.12282	0.593479	0.552861	0.999277
0.352654	0.773559122	141.927	-0.106	0.178129	-0.59507	0.551797	0.999277
0.559222	0.883647729	46.77725	0.053002	0.216722	0.244562	0.806795	0.999277
0.97593	0.996295705	8.969246	-0.01572	0.182792	-0.08599	0.931476	0.999277
0.332687	0.758489702	563.4258	0.085409	0.141144	0.605118	0.545101	0.999277
0.627012	0.909722396	25.49221	-0.08308	0.216583	-0.38358	0.701291	0.999277
0.054021	0.375679925	1095.227	-0.13858	0.124352	-1.11445	0.265088	0.999277
0.461878	0.833915601	96.32451	0.057661	0.197268	0.292298	0.770059	0.999277
0.468402	0.838975872	195.9648	0.037711	0.169495	0.222489	0.823933	0.999277
0.916396	0.98454795	121.2681	-0.0214	0.181796	-0.11769	0.906311	0.999277
0.64065	0.914411444	95.21273	0.050717	0.191571	0.264742	0.791209	0.999277
0.768604	0.949004855	18.69257	-0.04207	0.212098	-0.19833	0.842784	0.999277
0.382242	0.790738618	74.44497	0.047046	0.202507	0.232321	0.816289	0.999277
0.362397	0.780559211	66.74497	-0.13162	0.201527	-0.65313	0.513671	0.999277
0.081582	0.45155766	427.3932	-0.19578	0.133652	-1.46488	0.142953	0.976872
0.708018	0.93479128	78.00233	-0.05972	0.199502	-0.29933	0.764689	0.999277
0.296882	0.735511736	53.23645	0.120694	0.209373	0.576454	0.564309	0.999277
0.860025	0.972502766	14.56313	0.011871	0.19834	0.059852	0.952273	0.999277
0.999665	0.999739695	399.8177	-0.0127	0.133762	-0.09498	0.924333	0.999277
0.650422	0.91886709	180.8909	-0.06018	0.165636	-0.36334	0.716353	0.999277
0.361656	0.779844344	33.2603	0.07109	0.118653	0.599145	0.549076	0.999277
0.52646	0.868304398	119.9643	-0.06597	0.187243	-0.35231	0.724603	0.999277
0.004056	0.092057218	119.3088	0.2818	0.192978	1.460268	0.144216	0.977082
0.193012	0.639447293	121.9912	0.121296	0.1847	0.656722	0.51136	0.999277
0.919735	0.985704596	286.3261	-0.02198	0.144	-0.15262	0.878697	0.999277
0.482389	0.846539623	10.72398	0.088622	0.188874	0.469211	0.638919	0.999277
0.050373	0.362810519	284.195	0.0962	0.151123	0.636567	0.524407	0.999277
0.234701	0.683219522	141.5135	-0.16222	0.187559	-0.8649	0.387094	0.999277
0.014693	0.190243188	107.7095	-0.25742	0.193134	-1.33288	0.182572	0.999277
0.275407	0.716915261	12.88657	0.130671	0.202516	0.645237	0.518774	0.999277
0.500057	0.85509371	26.66019	0.053944	0.211734	0.25477	0.798901	0.999277
0.815562	0.959578957	10.12371	0.019563	0.192624	0.101561	0.919105	0.999277
0.348744	0.770650108	99.64765	-0.08637	0.187969	-0.45951	0.645867	0.999277
0.940897	0.988134075	277.3199	-0.01918	0.15341	-0.12504	0.900491	0.999277
0.615374	0.906204018	71.68342	-0.05215	0.201475	-0.25886	0.795747	0.999277
0.189146	0.636696344	102.9079	-0.14346	0.191503	-0.74911	0.453793	0.999277
0.701469	0.934077476	2070.687	-0.0611	0.118444	-0.51588	0.605936	0.999277
0.556926	0.882863308	99.22775	-0.06018	0.192044	-0.31338	0.753992	0.999277
0.934339	0.986607773	19.76613	-0.00702	0.213149	-0.03294	0.973726	0.999277
0.035124	0.303099049	227.5201	0.114464	0.155122	0.7379	0.460575	0.999277
0.722985	0.937762828	10.66622	-0.06509	0.193319	-0.33672	0.736325	0.999277
0.013084	0.178502221	516.356	0.199577	0.130576	1.52844	0.126403	0.94543
0.736493	0.939196077	116.4773	0.018126	0.185572	0.097675	0.92219	0.999277
0.924766	0.985704596	9.145133	-0.0271	0.182917	-0.14817	0.882212	0.999277
0.70155	0.934077476	152.8021	-0.05899	0.181382	-0.32521	0.745021	0.999277

0.47475	0.842200523	170.4123	-0.06971	0.171041	-0.40756	0.683599	0.999277
0.701705	0.934077476	87.52323	0.023323	0.191533	0.121768	0.903083	0.999277
0.319685	0.750611076	145.4868	0.055041	0.17617	0.312434	0.754711	0.999277
0.484279	0.84842492	235.7276	0.044386	0.164447	0.269909	0.78723	0.999277
0.299686	0.737986555	393.2194	-0.0982	0.132951	-0.73865	0.46012	0.999277
0.935703	0.986866477	325.1801	-0.02224	0.141955	-0.1567	0.875484	0.999277
0.900613	0.981243428	110.9737	-0.00123	0.201013	-0.00614	0.995104	0.999277
0.736341	0.939196077	30.20363	-0.05391	0.215418	-0.25028	0.802374	0.999277
0.00995	0.15287361	211.4753	0.139951	0.16121	0.868127	0.385325	0.999277
0.318389	0.7500298	82.9793	0.058234	0.200852	0.289935	0.771866	0.999277
0.849294	0.969140464	57.05446	0.001429	0.210474	0.00679	0.994582	0.999277
0.77195	0.949404495	643.8979	-0.04883	0.130368	-0.37453	0.708009	0.999277
0.000373	0.019611466	129.5147	0.270499	0.194277	1.392339	0.16382	0.999277
0.102354	0.49878504	92.54081	-0.19289	0.19138	-1.00787	0.313518	0.999277
0.858264	0.97227113	8.873212	0.010453	0.181926	0.057455	0.954182	0.999277
0.086229	0.462935946	419.5272	0.161731	0.166624	0.970638	0.331729	0.999277
0.641815	0.914411444	13.17116	0.041171	0.203111	0.202702	0.839368	0.999277
0.7298	0.938791295	150.4578	-0.04643	0.170212	-0.2728	0.785009	0.999277
0.531767	0.870719093	611.3668	0.036605	0.126787	0.288711	0.772802	0.999277
0.499551	0.854883525	74.30064	-0.07196	0.208056	-0.34588	0.729435	0.999277
0.771101	0.94929683	29.14203	0.014568	0.216909	0.067163	0.946452	0.999277
0.224901	0.674923769	29.90033	0.081296	0.216952	0.37472	0.707869	0.999277
0.457594	0.831646857	83.13059	-0.08529	0.197334	-0.4322	0.665595	0.999277
0.684362	0.931067248	120.0648	-0.05903	0.185043	-0.31903	0.749706	0.999277
0.047323	0.350451609	144.0309	0.14189	0.176672	0.803129	0.4219	0.999277
0.008986	0.144251328	92.95364	0.181711	0.197576	0.919703	0.357728	0.999277
0.518025	0.863995421	201.3911	0.058624	0.159349	0.367894	0.712952	0.999277
0.132435	0.555040519	494.2095	0.141153	0.12562	1.123652	0.261161	0.999277
0.392974	0.795485504	286.3539	0.046585	0.145488	0.3202	0.748816	0.999277
0.404957	0.80098471	717.7469	-0.10567	0.117221	-0.90146	0.367343	0.999277
0.921387	0.985704596	285.2749	-0.02243	0.165802	-0.13528	0.892387	0.999277
0.252449	0.698438177	98.31194	0.097769	0.189617	0.515613	0.606125	0.999277
0.944009	0.989225682	22.24029	-0.00542	0.21523	-0.02516	0.979927	0.999277
0.668615	0.925067398	9.379998	-0.07518	0.183529	-0.40963	0.682078	0.999277
0.534625	0.872130388	15.56076	0.071263	0.203728	0.349793	0.726494	0.999277
0.537793	0.873684346	19.03772	0.046693	0.210319	0.222011	0.824305	0.999277
0.579932	0.892778779	366.6951	0.040074	0.137963	0.290471	0.771456	0.999277
0.215373	0.666546901	14.47671	0.134872	0.202844	0.664907	0.50611	0.999277
0.226386	0.675763848	201.8116	-0.16881	0.157025	-1.07506	0.28235	0.999277
0.386576	0.792661846	75.52397	0.087874	0.200396	0.438501	0.661023	0.999277
0.931327	0.986375552	27.45675	-0.02448	0.216729	-0.11295	0.910069	0.999277
0.974933	0.996034757	60.95434	-0.01228	0.2112	-0.05816	0.953624	0.999277
0.989681	0.998538548	243.4395	-0.01724	0.158894	-0.1085	0.913602	0.999277
0.787164	0.953858798	41.23385	-0.05209	0.214801	-0.2425	0.808394	0.999277
0.444847	0.823581052	86.72769	-0.11219	0.199248	-0.56308	0.573381	0.999277
0.992446	0.998538548	1373.478	-0.01525	0.127636	-0.11951	0.90487	0.999277
0.099537	0.492051317	118.9989	0.168881	0.181317	0.931414	0.35164	0.999277
0.252587	0.698438177	442.0094	0.126144	0.149664	0.842852	0.399311	0.999277
0.934732	0.986607773	38.7604	-0.00807	0.215211	-0.0375	0.970088	0.999277
0.994631	0.998654685	324.3824	-0.01689	0.146941	-0.11493	0.908498	0.999277
0.825695	0.962521459	32.75929	-0.04655	0.216979	-0.21452	0.830142	0.999277
0.609416	0.903795926	11.72066	-0.0752	0.199751	-0.37647	0.706567	0.999277

0.720244	0.936468484	180.0946	-0.05094	0.173782	-0.29311	0.769435	0.999277
0.525865	0.868304398	912.1194	-0.09477	0.118452	-0.80005	0.423683	0.999277
0.352236	0.773559122	22.76953	0.086064	0.211466	0.406986	0.684018	0.999277
0.176529	0.619698727	15.56861	0.136292	0.20228	0.673777	0.500453	0.999277
0.5224	0.866905184	543.8193	0.049707	0.138041	0.360086	0.718783	0.999277
0.031003	0.282519361	115.8061	-0.23745	0.18198	-1.30484	0.191948	0.999277
0.181543	0.627537613	159.0342	0.121534	0.169936	0.71517	0.474504	0.999277
0.185736	0.631890551	62.50698	0.152368	0.215359	0.707509	0.47925	0.999277
0.721264	0.937077062	24.02173	-0.06174	0.215723	-0.28619	0.774734	0.999277
0.19488	0.640529826	246.3944	-0.15045	0.15906	-0.94587	0.344216	0.999277
0.711862	0.935646775	12.51188	-0.07018	0.187765	-0.37378	0.708566	0.999277
0.223043	0.673157324	7027.215	-0.18093	0.097398	-1.85764	0.063221	0.773644
0.575151	0.890535872	32.94813	0.030139	0.21667	0.139103	0.889369	0.999277
0.492707	0.852802998	459.1985	0.051419	0.127139	0.404434	0.685894	0.999277
0.719917	0.936421107	18.96451	-0.05248	0.210833	-0.24891	0.803433	0.999277
0.246857	0.695268245	162.2087	-0.07994	0.167341	-0.47769	0.632871	0.999277
0.474034	0.842005284	13.72048	-0.10751	0.202919	-0.52983	0.596232	0.999277
0.109136	0.512226844	388.0337	0.108603	0.135842	0.799478	0.424013	0.999277
0.513505	0.862295391	40.53596	0.052512	0.214823	0.244441	0.806889	0.999277
0.830493	0.963218067	73.82567	-0.04308	0.202904	-0.21233	0.831848	0.999277
0.270596	0.713936353	147.4666	0.081963	0.180289	0.454622	0.649381	0.999277
0.400272	0.799749836	19.42262	0.105563	0.200001	0.52781	0.597631	0.999277
0.365171	0.782124627	164.3695	0.085428	0.173093	0.493539	0.621632	0.999277
0.285018	0.725657496	20.77759	-0.14435	0.214317	-0.67354	0.500601	0.999277
0.988281	0.998384791	65.3513	-0.01576	0.202246	-0.07793	0.937881	0.999277
0.560294	0.88393878	267.607	-0.10063	0.160554	-0.62679	0.530794	0.999277
0.067061	0.416338554	191.7619	-0.20137	0.165603	-1.216	0.223987	0.999277
0.217616	0.6680438	212.9424	-0.10106	0.168735	-0.59893	0.54922	0.999277
0.162901	0.601852037	27.17988	-0.21555	0.216589	-0.99522	0.319629	0.999277
0.61053	0.904380258	525.4	0.010992	0.121504	0.090466	0.927917	0.999277
0.202287	0.650197277	27.12498	0.13372	0.216147	0.618656	0.536143	0.999277
0.427563	0.814832189	87.27507	0.082249	0.200466	0.41029	0.681593	0.999277
0.985052	0.997439038	698.3238	-0.02026	0.133307	-0.15197	0.879208	0.999277
0.247271	0.695372431	13.35192	0.119204	0.2036	0.585483	0.558223	0.999277
0.982126	0.997345179	84.51526	-0.01661	0.196505	-0.08455	0.932622	0.999277
0.131449	0.552715022	840.6419	-0.17947	0.116873	-1.53563	0.124628	0.939213
0.603977	0.901144699	17.98942	0.041941	0.209573	0.200125	0.841383	0.999277
0.214777	0.665642841	68.73308	0.127099	0.202679	0.627093	0.530598	0.999277
0.004396	0.097119335	60.46867	0.202714	0.207441	0.977213	0.328464	0.999277
0.330555	0.757116414	1030.538	0.077608	0.137804	0.56318	0.573312	0.999277
0.310763	0.744846743	90.79696	-0.12146	0.192099	-0.63227	0.527208	0.999277
0.592082	0.895697175	19.17381	-0.09483	0.212845	-0.44551	0.655948	0.999277
0.398493	0.798846944	44.33253	0.046159	0.212913	0.216799	0.828365	0.999277
0.087674	0.466533858	1182.74	-0.16625	0.130154	-1.2773	0.201495	0.999277
0.990445	0.998538548	258.4099	-0.0173	0.151403	-0.11425	0.909042	0.999277
0.958102	0.993016963	234.021	-0.02172	0.150721	-0.14412	0.885406	0.999277
0.367868	0.784004283	280.7283	-0.14663	0.145131	-1.01032	0.312342	0.999277
0.813796	0.95936212	140.9979	-0.00226	0.176703	-0.01281	0.989783	0.999277
0.067877	0.41869729	10.8951	0.223199	0.190514	1.171562	0.241373	0.999277
0.487314	0.850008426	76.11291	-0.11623	0.209404	-0.55507	0.578849	0.999277
0.447835	0.824078276	53.7075	0.064189	0.20792	0.308718	0.757536	0.999277
0.229784	0.679946751	10.69843	0.150583	0.184237	0.817335	0.413737	0.999277

0.957824	0.993016963	49.48701	-0.02539	0.216864	-0.11706	0.906815	0.999277
0.503654	0.856313573	129.3821	-0.07982	0.184307	-0.4331	0.664944	0.999277
0.658926	0.922096564	655.268	-0.07422	0.135073	-0.5495	0.58266	0.999277
0.68761	0.931172733	158.4819	-0.05711	0.169969	-0.33603	0.736849	0.999277
0.096708	0.486524812	3521.477	0.133578	0.108046	1.236302	0.216346	0.999277
0.791005	0.954486972	56.33973	0.007134	0.207544	0.034373	0.97258	0.999277
0.879573	0.97662978	19.76556	-0.0048	0.212125	-0.02261	0.981962	0.999277
0.709245	0.934928732	58.49648	0.014651	0.211711	0.069205	0.944827	0.999277
0.48539	0.84842492	333.6474	0.036316	0.149575	0.242798	0.808162	0.999277
0.000339	0.018562546	275.0942	0.242083	0.143699	1.684648	0.092057	0.867775
0.246128	0.693889675	137.34	0.07742	0.192951	0.401241	0.688242	0.999277
0.838461	0.96567072	141.8906	-0.0423	0.177543	-0.23825	0.811688	0.999277
0.067061	0.416338554	191.7818	-0.20331	0.165631	-1.22747	0.219647	0.999277
0.713353	0.935646775	24.88489	0.022393	0.216489	0.103436	0.917617	0.999277
0.497436	0.853814273	95.41255	-0.06745	0.195217	-0.34552	0.729706	0.999277
0.808135	0.958353056	3079.399	-0.03308	0.096653	-0.34229	0.732134	0.999277
0.69975	0.933914128	54.94842	0.03124	0.210742	0.148236	0.882157	0.999277
0.822489	0.961284824	10.23001	0.004626	0.190928	0.024229	0.98067	0.999277
0.494267	0.852929488	550.1696	-0.1151	0.130092	-0.88478	0.376277	0.999277
0.474562	0.842114432	9.42938	0.079481	0.18524	0.429069	0.667873	0.999277
0.013087	0.178502221	261.3069	-0.19251	0.161971	-1.18857	0.234608	0.999277
0.740524	0.940232174	25.41766	0.009337	0.215879	0.043253	0.9655	0.999277
0.195606	0.641476844	31.66946	0.101034	0.216882	0.465851	0.641322	0.999277
0.845955	0.968350774	74.67824	-0.04241	0.198074	-0.21414	0.830441	0.999277
0.557739	0.882863308	11.20109	0.058875	0.192213	0.3063	0.759377	0.999277
0.774268	0.949821182	95.24253	-0.03965	0.197053	-0.2012	0.840545	0.999277
0.260142	0.704211455	231.0253	-0.09013	0.184016	-0.48978	0.624288	0.999277
0.914097	0.983953937	84.13145	-0.01108	0.201855	-0.05488	0.95623	0.999277
0.759292	0.945577828	61.54427	-0.04412	0.207064	-0.21308	0.831268	0.999277
0.315463	0.748321571	152.155	0.064704	0.167874	0.385429	0.69992	0.999277
0.361465	0.779558796	40.83957	-0.1226	0.215216	-0.56965	0.568914	0.999277
0.314058	0.747208845	26.41557	-0.10897	0.21687	-0.50248	0.615328	0.999277
0.688361	0.931407252	145.3799	-0.06164	0.172634	-0.35708	0.721033	0.999277
0.620645	0.9077947	53.02556	0.043537	0.208296	0.209017	0.834435	0.999277
0.335534	0.759008088	122.042	0.031069	0.182018	0.17069	0.864468	0.999277
0.431911	0.816304844	422.6342	-0.0881	0.145154	-0.60693	0.543901	0.999277
0.813127	0.958983134	35.99979	0.011256	0.215865	0.052142	0.958416	0.999277
0.533251	0.871779365	370.7164	-0.08846	0.135607	-0.65235	0.514177	0.999277
0.75838	0.945376634	62.70505	0.022203	0.207916	0.106789	0.914956	0.999277
0.595597	0.896810505	52.06907	-0.08217	0.210851	-0.38969	0.696764	0.999277
0.909847	0.983196748	20.96756	-0.02982	0.214656	-0.13892	0.889512	0.999277
0.87572	0.975929662	64.44875	0.001397	0.2054	0.006801	0.994574	0.999277
0.802925	0.957090635	10.56843	0.000873	0.193596	0.004512	0.9964	0.999367
0.658119	0.921545497	31.09872	0.043786	0.217016	0.201764	0.840101	0.999277
0.307282	0.743099434	107.7623	-0.16701	0.188538	-0.8858	0.375727	0.999277
0.947069	0.990336113	17.92606	-0.01089	0.209941	-0.05187	0.95863	0.999277
0.81785	0.959879229	84.15599	-0.03995	0.197558	-0.20224	0.83973	0.999277
0.143378	0.572261075	85.57378	0.072862	0.194639	0.374346	0.708147	0.999277
0.260817	0.704312035	261.3605	0.094914	0.157024	0.604457	0.54554	0.999277
0.475376	0.842414553	16.61971	-0.11895	0.201622	-0.58996	0.555216	0.999277
0.998219	0.998980571	10.58667	-0.02106	0.190491	-0.11058	0.911953	0.999277
0.801705	0.95675967	40.15504	0.015611	0.216098	0.07224	0.942411	0.999277

0.739837	0.940232174	122.6654	0.003652	0.180983	0.020177	0.983903	0.999277
0.171918	0.61374382	318.9602	0.112066	0.153602	0.72959	0.465641	0.999277
0.429978	0.815670844	247.0733	0.048077	0.1491	0.322446	0.747115	0.999277
0.875788	0.975929662	42.49987	-0.00401	0.214699	-0.01869	0.985088	0.999277
0.293387	0.733452399	254.604	0.048084	0.158037	0.304256	0.760933	0.999277
0.434812	0.817830347	42.10135	0.071166	0.216514	0.328689	0.742391	0.999277
0.548503	0.877853956	12.048	0.055212	0.200831	0.274916	0.783381	0.999277
0.226977	0.676326333	87.91094	-0.15683	0.196596	-0.79775	0.425015	0.999277
0.092835	0.47785484	302.9349	0.102501	0.14928	0.686639	0.49231	0.999277
0.727874	0.938587002	246.8438	-0.05976	0.156535	-0.38176	0.70264	0.999277
0.51123	0.860852133	217.2432	-0.08994	0.157811	-0.56992	0.568733	0.999277
0.158451	0.596830002	173.2502	0.088841	0.16993	0.522808	0.601108	0.999277
0.657547	0.921426159	457.7955	-0.05193	0.131653	-0.39444	0.693253	0.999277
0.547179	0.876711816	244.687	0.02992	0.155898	0.191918	0.847806	0.999277
0.768145	0.948789209	81.4127	-0.06434	0.200795	-0.32043	0.748645	0.999277
0.239341	0.688231916	14.31858	0.146306	0.20359	0.71863	0.472369	0.999277
0.164966	0.603971115	81.57383	0.110153	0.195018	0.564837	0.572185	0.999277
0.933366	0.986607773	10.73802	-0.00966	0.195495	-0.04943	0.960576	0.999277
0.938598	0.987800164	60.82685	-0.01221	0.206982	-0.05899	0.95296	0.999277
0.483867	0.848131119	107.5898	-0.11147	0.191415	-0.58235	0.560328	0.999277
0.687635	0.931172733	55.10426	-0.04644	0.209399	-0.22178	0.824484	0.999277
0.199923	0.647063867	202.9501	-0.15876	0.18837	-0.84278	0.39935	0.999277
0.487643	0.850075728	50.5224	-0.07774	0.212488	-0.36586	0.714467	0.999277
0.93594	0.986885744	69.75499	-0.03059	0.202605	-0.15097	0.879996	0.999277
0.779804	0.951422339	526.5225	-0.05148	0.129563	-0.39732	0.691133	0.999277
0.695314	0.933115203	34.442	-0.05094	0.216759	-0.235	0.814206	0.999277
0.789578	0.954486972	83.29315	-0.04779	0.197611	-0.24183	0.808913	0.999277
0.758117	0.945376634	100.4277	-0.06204	0.195025	-0.31812	0.750393	0.999277
0.871776	0.975692252	108.7352	-0.0131	0.185123	-0.07077	0.94358	0.999277
0.708415	0.93479128	600.944	0.021567	0.118782	0.181571	0.855919	0.999277
0.460508	0.833091581	124.5454	0.034835	0.179124	0.194476	0.845803	0.999277
0.540394	0.873794135	16.46331	-0.10842	0.195141	-0.5556	0.578485	0.999277
0.337036	0.760158764	183.6532	0.072376	0.163294	0.443224	0.657604	0.999277
0.085209	0.460072324	78.50756	-0.26482	0.199702	-1.32607	0.184816	0.999277
0.750239	0.942407307	212.794	0.009811	0.157034	0.062475	0.950185	0.999277
0.564103	0.885572292	62.39485	-0.09523	0.213831	-0.44537	0.656053	0.999277
0.612005	0.904588989	62.67321	0.026791	0.207887	0.128874	0.897457	0.999277
0.420399	0.811476969	169.0484	-0.10866	0.175183	-0.62024	0.535099	0.999277
0.650281	0.91886709	147.2852	-0.06607	0.178447	-0.37027	0.711183	0.999277
0.979127	0.996602004	181.414	-0.01916	0.160463	-0.11939	0.904968	0.999277
0.928573	0.985704596	59.88806	-0.01486	0.20685	-0.07185	0.942721	0.999277
0.01233	0.172035838	32.74195	0.290301	0.214065	1.356133	0.175057	0.999277
0.464302	0.835756446	1941.075	-0.11975	0.101012	-1.18551	0.235817	0.999277
0.568724	0.888146309	56.91651	0.038121	0.208659	0.182696	0.855037	0.999277
0.51456	0.862555793	110.9476	0.071018	0.191155	0.37152	0.71025	0.999277
0.581558	0.89287357	37.57669	0.017504	0.215263	0.081313	0.935193	0.999277
0.091461	0.474777897	2618.475	-0.25031	0.105444	-2.37384	0.017604	0.480853
0.314099	0.747208845	249.3215	0.05758	0.14833	0.388186	0.697879	0.999277
0.436698	0.819027755	130.2632	0.047681	0.177612	0.268454	0.78835	0.999277
0.892924	0.979423868	21.16053	-0.00782	0.213167	-0.03669	0.97073	0.999277
0.031027	0.282519361	38.54565	0.195124	0.215561	0.905192	0.365364	0.999277
0.555242	0.881938852	116.5784	0.017494	0.184756	0.094684	0.924566	0.999277

0.30578	0.741541601	36.10157	0.102919	0.216905	0.474491	0.63515	0.999277
0.663374	0.924637662	1145.72	0.032093	0.111687	0.287346	0.773848	0.999277
0.095396	0.485498497	69.51408	0.200469	0.200961	0.997548	0.318498	0.999277
0.306973	0.74308383	397.6974	-0.16532	0.164889	-1.00264	0.316035	0.999277
0.39303	0.795485504	142.205	-0.09656	0.180108	-0.5361	0.591886	0.999277
0.025992	0.257936507	48.07606	0.21471	0.215755	0.995156	0.319661	0.999277
0.757564	0.945152186	110.5599	0.001128	0.2047	0.005508	0.995605	0.999303
0.759388	0.945577828	243.261	0.005666	0.153764	0.036851	0.970603	0.999277
0.293557	0.733452399	141.6512	-0.14923	0.17612	-0.84732	0.396815	0.999277
0.267042	0.710074825	164.2318	-0.18002	0.178869	-1.00643	0.31421	0.999277
0.730817	0.938791295	17.67283	0.016512	0.206016	0.08015	0.936118	0.999277
0.901106	0.981243428	450.2347	-0.0384	0.139649	-0.27496	0.78335	0.999277
0.223662	0.673605122	85.69021	0.132717	0.197669	0.671409	0.50196	0.999277
0.723133	0.937762828	419.9946	0.010838	0.135414	0.08004	0.936206	0.999277
0.738269	0.940120742	37.70372	0.003048	0.216224	0.014097	0.988752	0.999277
0.887798	0.978595482	22.49556	-0.00889	0.214527	-0.04144	0.966945	0.999277
0.801288	0.956594149	75.3002	-0.05231	0.200739	-0.26058	0.794418	0.999277
0.376018	0.788180787	299.0704	0.040253	0.141689	0.284096	0.776337	0.999277
0.242973	0.689996843	32.77209	0.069997	0.216673	0.323055	0.746654	0.999277
0.029776	0.276781067	76.57314	-0.19785	0.196986	-1.00438	0.315193	0.999277
0.938028	0.987599842	189.9502	-0.03217	0.162458	-0.19802	0.843028	0.999277
0.11873	0.529492008	57.43952	0.076881	0.211993	0.362656	0.716862	0.999277
0.220729	0.671412196	189.5604	0.094845	0.173161	0.547729	0.583878	0.999277
0.92433	0.985704596	161.8148	-0.01538	0.166455	-0.09237	0.926402	0.999277
0.888107	0.978595482	209.603	-0.03664	0.159653	-0.22952	0.818462	0.999277
0.679614	0.928687921	94.7635	-0.07831	0.196867	-0.39778	0.690792	0.999277
0.807983	0.958353056	72.29329	-0.05642	0.201198	-0.28044	0.779143	0.999277
0.264232	0.707245544	370.2456	0.091676	0.147599	0.621117	0.534523	0.999277
0.859664	0.972502766	205.0194	-0.00732	0.155725	-0.04701	0.962505	0.999277
0.619698	0.907482954	83.02793	0.010284	0.20197	0.050919	0.95939	0.999277
0.162434	0.601189469	66.74666	-0.19429	0.202131	-0.9612	0.336451	0.999277
0.236835	0.685759421	84.43518	-0.0971	0.197023	-0.49282	0.622139	0.999277
0.907312	0.982337683	232.6346	-0.03142	0.169121	-0.18577	0.852625	0.999277
0.584351	0.893086908	297.9847	0.011281	0.150609	0.074901	0.940294	0.999277
0.803892	0.957461615	109.1715	-0.00461	0.205642	-0.02243	0.982107	0.999277
0.583486	0.892957253	79.93416	0.014708	0.198614	0.074054	0.940967	0.999277
0.079133	0.445187123	964.1778	0.162655	0.13662	1.190565	0.233825	0.999277
0.797347	0.955972774	168.9303	-0.04818	0.164026	-0.29373	0.768963	0.999277
0.515883	0.863054095	311.9564	0.02532	0.15425	0.164147	0.869615	0.999277
0.819801	0.960194571	226.3805	-0.0083	0.160927	-0.05157	0.958872	0.999277
0.975245	0.996034757	85.86631	-0.02834	0.193243	-0.14667	0.883395	0.999277
0.275257	0.716915261	175.6212	0.041026	0.167267	0.245271	0.806247	0.999277
0.872765	0.975846647	137.279	-0.03699	0.188879	-0.19584	0.844738	0.999277
0.992974	0.998538548	15.72573	-0.02643	0.201476	-0.1312	0.895617	0.999277
0.904887	0.982337683	374.5358	-0.01762	0.141888	-0.12421	0.901148	0.999277
0.632401	0.911801172	10.01141	0.029386	0.189254	0.155271	0.876608	0.999277
0.081486	0.451397242	41.07574	0.122408	0.214495	0.570678	0.568218	0.999277
0.680363	0.928926014	30.66722	-0.08456	0.216287	-0.39096	0.695828	0.999277
0.687815	0.931172733	187.9283	0.01598	0.173112	0.09231	0.926451	0.999277
0.823291	0.961633495	108.3032	0.000996	0.188255	0.005292	0.995777	0.999303
0.663837	0.924678622	153.3844	0.002173	0.168573	0.012888	0.989717	0.999277
0.141452	0.571236062	259.7872	-0.15451	0.175623	-0.87976	0.378991	0.999277

0.973793	0.995861805	22.8002	-0.0216	0.214898	-0.10051	0.919941	0.999277
0.275407	0.716915261	12.72475	0.118557	0.201974	0.586989	0.557211	0.999277
0.41839	0.810525259	34.87433	0.069932	0.217014	0.322248	0.747265	0.999277
0.391714	0.794949112	174.5097	-0.10291	0.184546	-0.55764	0.57709	0.999277
0.771683	0.949299879	24.38897	0.0069	0.216395	0.031886	0.974563	0.999277
0.772631	0.949679272	364.3166	0.001487	0.133839	0.011107	0.991138	0.999277
0.390965	0.794949112	53.73705	-0.10676	0.210633	-0.50684	0.612267	0.999277
0.079369	0.445581673	181.8294	-0.23302	0.163215	-1.42769	0.153382	0.990194
0.265014	0.708435983	66.61809	0.096782	0.205015	0.472071	0.636876	0.999277
0.68754	0.931172733	11.28918	0.03094	0.186243	0.166127	0.868057	0.999277
0.587035	0.894310786	95.63542	-0.09079	0.193311	-0.46964	0.638615	0.999277
0.072263	0.42914227	619.4993	0.06685	0.135965	0.491671	0.622952	0.999277
0.271197	0.713936492	90.21048	0.109233	0.204067	0.535281	0.592455	0.999277
0.785375	0.953405093	55.74937	0.004305	0.210169	0.020485	0.983657	0.999277
0.815789	0.959578957	40.07109	-0.00745	0.215107	-0.03464	0.972368	0.999277
0.853609	0.970089018	30.89811	-0.00324	0.216993	-0.01492	0.988094	0.999277
0.696654	0.933417775	39.18387	-0.06968	0.216439	-0.32196	0.747483	0.999277
0.524151	0.867549282	23.22314	0.04795	0.214535	0.223507	0.823141	0.999277
0.19505	0.640756684	249.1489	-0.18702	0.169044	-1.10634	0.26858	0.999277
0.82293	0.961463542	80.36085	-0.05136	0.201723	-0.25459	0.799036	0.999277
0.525542	0.868304398	41.73684	-0.11222	0.21592	-0.51971	0.603267	0.999277
0.772761	0.949751967	335.0248	-0.00648	0.14569	-0.04449	0.96451	0.999277
0.289136	0.728676762	63.65858	-0.11491	0.208887	-0.55012	0.582237	0.999277
0.77478	0.950048734	288.7185	0.007901	0.14867	0.053142	0.957619	0.999277
0.701349	0.934077476	36.0403	-0.06639	0.216987	-0.30598	0.759618	0.999277
0.038865	0.320909863	168.1016	-0.32005	0.177025	-1.80793	0.070618	0.800228
0.358767	0.776427317	51.48025	-0.10714	0.212423	-0.50436	0.614012	0.999277
0.4981	0.854017559	64.92084	-0.07871	0.205573	-0.3829	0.701796	0.999277
0.980554	0.996962675	306.0252	-0.02887	0.150821	-0.19142	0.848198	0.999277
0.779653	0.951422339	166.2423	0.01281	0.163774	0.078218	0.937655	0.999277
0.827093	0.962625456	61.21592	-0.04983	0.214681	-0.23213	0.816436	0.999277
0.013436	0.1810944	592.013	-0.15434	0.124991	-1.2348	0.216905	0.999277
0.85684	0.971766934	9.461341	-0.00262	0.189448	-0.01384	0.988959	0.999277
0.471028	0.840393952	418.2456	0.045131	0.142166	0.31745	0.750902	0.999277
0.602857	0.900215646	14.51494	-0.08917	0.201195	-0.44319	0.657631	0.999277
0.921364	0.985704596	39.28738	-0.04035	0.214548	-0.18805	0.850838	0.999277
0.733836	0.938791295	66.09385	0.004156	0.204376	0.020335	0.983777	0.999277
0.15404	0.59087375	785.6988	-0.19184	0.130554	-1.46946	0.141708	0.97436
0.646577	0.916909724	150.6132	-0.06591	0.179721	-0.36676	0.713801	0.999277
0.846969	0.968350774	285.7541	-0.00524	0.163173	-0.03211	0.974387	0.999277
0.104354	0.501644228	82.2269	0.146596	0.19901	0.736624	0.461351	0.999277
0.554178	0.881343338	116.884	-0.07112	0.181706	-0.3914	0.695498	0.999277
0.694875	0.933115203	14.15979	-0.06961	0.205797	-0.33823	0.735192	0.999277
0.202773	0.65034978	87.17591	-0.10455	0.195153	-0.53572	0.592152	0.999277
0.813619	0.959305021	251.2549	-0.00895	0.149304	-0.05996	0.95219	0.999277
0.914959	0.984247665	105.5836	-0.01786	0.188341	-0.09482	0.924454	0.999277
0.054654	0.378335561	86.20959	0.149166	0.193197	0.772095	0.440058	0.999277
0.362863	0.780559211	161.9564	-0.08835	0.177701	-0.49717	0.619072	0.999277
0.249205	0.696015371	225.4129	0.076658	0.156056	0.491223	0.623269	0.999277
0.875867	0.975929662	67.13182	-0.01	0.201523	-0.04961	0.96043	0.999277
0.395408	0.796836245	168.3046	0.029492	0.168637	0.174886	0.86117	0.999277
0.788165	0.954284925	106.2963	0.001336	0.194414	0.00687	0.994518	0.999277

0.164044	0.603036338	111.2743	0.047969	0.181244	0.264666	0.791267	0.999277
0.499421	0.854880734	152.3799	-0.07916	0.178242	-0.44411	0.656963	0.999277
0.183274	0.63013277	370.4282	0.096464	0.138925	0.694362	0.487455	0.999277
0.337219	0.760158764	199.9846	0.064222	0.180674	0.355456	0.722248	0.999277
0.214139	0.664283274	142.4514	0.087734	0.176677	0.49658	0.619485	0.999277
0.59866	0.898722187	167.2733	-0.10036	0.204992	-0.48959	0.624421	0.999277
0.463074	0.835155013	35.0063	-0.12526	0.216783	-0.57783	0.563379	0.999277
0.404086	0.800156836	19.33283	0.081576	0.209289	0.389776	0.696702	0.999277
0.817386	0.959821979	64.04844	-0.04905	0.205132	-0.23913	0.811003	0.999277
0.620071	0.907694108	211.9041	-0.0667	0.163456	-0.40808	0.683218	0.999277
0.638565	0.913202151	58.76072	-0.08802	0.205358	-0.42862	0.668196	0.999277
0.311844	0.745302162	270.6135	-0.1326	0.164253	-0.80731	0.419489	0.999277
0.38764	0.793552228	169.8563	-0.0962	0.186717	-0.51523	0.60639	0.999277
0.465729	0.836748046	59.37948	0.039471	0.205961	0.191644	0.848021	0.999277
0.278148	0.72007669	36.1182	0.103449	0.19437	0.532225	0.59457	0.999277
0.554798	0.881824972	26.19201	0.053267	0.215324	0.247381	0.804613	0.999277
0.353911	0.774326904	69.45794	0.042045	0.206263	0.203839	0.838479	0.999277
0.070876	0.425044249	251.5455	-0.17008	0.153496	-1.10807	0.267832	0.999277
0.115618	0.5242404	485.6945	-0.24999	0.132373	-1.88852	0.058956	0.752489
0.591687	0.895697175	54.20445	0.015785	0.208573	0.075683	0.939671	0.999277
0.884965	0.977581014	39.18475	-0.01491	0.216312	-0.06891	0.945062	0.999277
0.257411	0.702635718	34.90249	0.098781	0.216991	0.45523	0.648944	0.999277
0.712169	0.935646775	12.68026	-0.07949	0.185553	-0.42839	0.668364	0.999277
0.826083	0.962521459	103.1268	-0.00683	0.19778	-0.03455	0.972438	0.999277
0.44329	0.822590959	41.81578	-0.08395	0.213885	-0.39249	0.694697	0.999277
0.06857	0.421026984	173.6523	0.095025	0.162761	0.583831	0.559334	0.999277
0.324777	0.754224459	434.8139	-0.09827	0.14796	-0.66417	0.50658	0.999277
0.063657	0.406020695	9.649807	0.241562	0.148818	1.623208	0.104545	0.901603
0.90153	0.981570857	58.18506	-0.01619	0.209651	-0.0772	0.938462	0.999277
0.1534	0.589902082	67.67968	-0.20903	0.205099	-1.01916	0.308126	0.999277
0.875291	0.975929662	345.784	-0.01322	0.143688	-0.09201	0.92669	0.999277
0.251481	0.697958034	93.68929	0.095023	0.199986	0.475148	0.634681	0.999277
0.230769	0.680589817	74.54439	0.078148	0.209244	0.373479	0.708792	0.999277
0.371623	0.785869821	107.0192	-0.14611	0.187456	-0.77945	0.435717	0.999277
0.060878	0.397270128	168.8805	0.185095	0.167193	1.107073	0.268262	0.999277
0.848656	0.968842937	68.42794	-0.0531	0.204867	-0.25918	0.795493	0.999277
0.996861	0.998953167	157.5669	-0.02932	0.185907	-0.1577	0.874696	0.999277
0.949921	0.991323144	166.3374	-0.0336	0.165322	-0.20321	0.838968	0.999277
0.018751	0.216060658	178.1381	0.166517	0.165078	1.00872	0.313109	0.999277
0.995784	0.998654685	76.47748	-0.02988	0.202743	-0.1474	0.882815	0.999277
0.365164	0.782124627	42.11888	0.047081	0.213929	0.220075	0.825813	0.999277
0.844967	0.967713968	11.10785	-0.05491	0.194786	-0.28191	0.778011	0.999277
0.539278	0.873794135	31.13626	0.018435	0.216983	0.084961	0.932293	0.999277
0.70737	0.93479128	56.66921	-0.0526	0.207256	-0.25378	0.799667	0.999277
0.045286	0.34257626	60.53292	0.209774	0.211846	0.990215	0.322069	0.999277
0.955755	0.99273361	146.3922	-0.02417	0.171888	-0.14059	0.888196	0.999277
0.097325	0.487608312	24.02033	0.142843	0.216289	0.660426	0.50898	0.999277
0.212966	0.662162147	74.04756	0.053766	0.202581	0.265406	0.790697	0.999277
0.861749	0.97286097	132.7438	-0.04096	0.180244	-0.22727	0.820214	0.999277
0.514713	0.862555793	94.16954	-0.09349	0.188184	-0.4968	0.619328	0.999277
0.233974	0.683219522	37.93201	0.066409	0.216362	0.306933	0.758894	0.999277
0.667496	0.925067398	979.9006	-0.07182	0.118915	-0.60395	0.545875	0.999277

0.971043	0.99553873	35.50783	-0.02612	0.216333	-0.12076	0.903884	0.999277
0.852942	0.969826251	180.5511	-0.00817	0.164237	-0.04973	0.960339	0.999277
0.876463	0.976101738	26.96859	-0.01639	0.215637	-0.07599	0.93943	0.999277
0.973213	0.995861805	38.77719	-0.03336	0.216134	-0.15435	0.877332	0.999277
0.124651	0.539574872	53.49475	-0.17965	0.208053	-0.86349	0.38787	0.999277
0.525645	0.868304398	40.39492	-0.11329	0.216977	-0.52215	0.601568	0.999277
0.156564	0.595337949	26.61074	0.087549	0.216885	0.403668	0.686457	0.999277
0.518126	0.863995421	53.88539	0.029752	0.213839	0.139134	0.889344	0.999277
0.1618	0.601189469	43.24969	0.123088	0.214316	0.57433	0.565744	0.999277
0.151487	0.586255401	136.7495	0.110288	0.180403	0.611344	0.540972	0.999277
0.824853	0.962280868	11.19565	-0.06167	0.19603	-0.31459	0.753072	0.999277
0.604593	0.901762565	427.9304	-0.07038	0.137415	-0.51216	0.608537	0.999277
0.656801	0.921230929	10.92269	0.013817	0.194936	0.07088	0.943493	0.999277
0.021639	0.23401794	57.9108	0.150384	0.206037	0.729888	0.465459	0.999277
0.85881	0.972445453	263.4396	-0.04	0.145828	-0.27429	0.783864	0.999277
0.278219	0.72007669	169.6005	-0.17273	0.169599	-1.01844	0.308471	0.999277
0.708261	0.93479128	43.96986	0.005705	0.213213	0.026758	0.978652	0.999277
0.15597	0.594363605	135.5803	-0.20744	0.182196	-1.13857	0.254883	0.999277
0.448718	0.825036968	865.6639	0.03937	0.137099	0.287166	0.773985	0.999277
0.545978	0.876016244	267.7677	-0.07158	0.170591	-0.41958	0.674793	0.999277
0.582585	0.892926328	103.2931	-0.08924	0.191849	-0.46515	0.641826	0.999277
0.50225	0.856224747	25.11248	0.032371	0.216201	0.149725	0.880982	0.999277
0.657159	0.921426159	47.83051	0.022102	0.213864	0.103346	0.917689	0.999277
0.628755	0.910993455	321.4688	-0.05803	0.156742	-0.37021	0.711223	0.999277
0.494127	0.852929488	910.4463	0.033053	0.113977	0.289994	0.771821	0.999277
0.798703	0.956401774	308.089	-0.06481	0.156517	-0.41406	0.678827	0.999277
0.332386	0.758192609	103.1261	0.084522	0.190381	0.443962	0.65707	0.999277
0.704841	0.934710222	1089.952	0.007498	0.104618	0.071669	0.942865	0.999277
0.128646	0.547624428	30.93993	0.131066	0.216861	0.604378	0.545592	0.999277
0.598911	0.898777574	134.5639	0.039373	0.177109	0.222311	0.824072	0.999277
0.165908	0.605102404	174.1249	0.06535	0.165554	0.394733	0.69304	0.999277
0.403709	0.800156836	64.6554	0.032336	0.205876	0.157063	0.875195	0.999277
0.650246	0.91886709	22.64297	-0.09691	0.21535	-0.45002	0.652699	0.999277
0.098286	0.490218845	120.2804	-0.13836	0.18731	-0.73869	0.460094	0.999277
0.553844	0.881128175	15.99262	-0.10589	0.196142	-0.53987	0.589284	0.999277
0.989456	0.998538548	35.82944	-0.0323	0.216631	-0.14911	0.881463	0.999277
0.401522	0.799749836	101.8201	0.045187	0.192857	0.234304	0.814749	0.999277
0.832902	0.964097332	1709.307	-0.0124	0.106883	-0.11601	0.907641	0.999277
0.314978	0.747985414	20.38803	-0.17638	0.21241	-0.83037	0.406329	0.999277
0.221837	0.672097082	41.45174	0.094823	0.216809	0.437357	0.661853	0.999277
0.048652	0.355952482	2269.618	0.107633	0.094739	1.136101	0.255914	0.999277
0.696936	0.933417775	51.00631	-0.06439	0.212367	-0.30321	0.761728	0.999277
0.327764	0.754803522	203.944	0.040588	0.162307	0.250068	0.802535	0.999277
0.632685	0.911817079	314.5062	-0.06328	0.152149	-0.41592	0.677467	0.999277
0.390085	0.794805703	39.58902	-0.1554	0.215043	-0.72263	0.46991	0.999277
0.7037	0.934375992	337.2425	-0.06616	0.14736	-0.44898	0.653446	0.999277
0.044027	0.337833053	107.3744	-0.28231	0.193712	-1.45738	0.145012	0.977082
0.10973	0.512855014	413.838	0.152869	0.156763	0.975157	0.329482	0.999277
0.749546	0.942352049	114.022	0.014388	0.187283	0.076823	0.938764	0.999277
0.600132	0.898993255	426.5311	-0.07584	0.133461	-0.56826	0.569857	0.999277
0.457244	0.831335497	187.4786	0.072751	0.167644	0.433961	0.664317	0.999277
0.814873	0.9594188	41.45322	-0.05232	0.215377	-0.2429	0.808082	0.999277

0.386158	0.792576238	97.82234	-0.11797	0.188707	-0.62512	0.531889	0.999277
0.689373	0.931451227	22.20151	0.022305	0.214793	0.103846	0.917291	0.999277
0.812525	0.958720759	206.8793	-0.0597	0.163951	-0.36415	0.715745	0.999277
0.341519	0.764030262	87.76312	0.067027	0.191703	0.349639	0.72661	0.999277
0.280697	0.721618953	644.8716	-0.12256	0.117777	-1.04061	0.298059	0.999277
0.844794	0.967713968	959.2113	-0.00311	0.11129	-0.02792	0.977725	0.999277
0.84646	0.968350774	27.73027	-0.05965	0.216788	-0.27517	0.783188	0.999277
0.362671	0.780559211	33.61569	0.074061	0.21702	0.341266	0.732903	0.999277
0.587016	0.894310786	448.7786	0.046589	0.12866	0.36211	0.71727	0.999277
0.575598	0.890535872	44.28611	0.021526	0.216895	0.099247	0.920942	0.999277
0.353101	0.773559122	39.36649	0.061327	0.21698	0.282639	0.777453	0.999277
0.822713	0.961436518	39.45878	-0.00898	0.215653	-0.04165	0.966779	0.999277
0.576669	0.890535872	43.74232	-0.09768	0.216795	-0.45057	0.652302	0.999277
0.761115	0.946225522	157.7124	-0.06151	0.17067	-0.36042	0.71853	0.999277
0.635751	0.912524658	22.31801	-0.09527	0.213568	-0.44607	0.655549	0.999277
0.336266	0.759653928	113.8274	-0.11073	0.191608	-0.57791	0.563323	0.999277
0.27998	0.721360425	26.18688	-0.14753	0.214959	-0.68634	0.492501	0.999277
0.149982	0.583133633	160.2894	-0.20522	0.17037	-1.20455	0.228378	0.999277
0.726713	0.938471504	18.83127	0.002458	0.210603	0.011673	0.990686	0.999277
0.922002	0.985704596	73.27408	-0.02135	0.199766	-0.10686	0.914897	0.999277
0.7396	0.940232174	48.27854	-0.07457	0.210958	-0.35347	0.723736	0.999277
0.19318	0.639447293	9.598498	0.111655	0.186711	0.59801	0.549833	0.999277
0.66747	0.925067398	18.83019	0.023695	0.208812	0.113475	0.909654	0.999277
0.515742	0.863014533	179.694	-0.0924	0.172096	-0.53692	0.591321	0.999277
0.12949	0.549048329	51.16218	0.159474	0.216323	0.737202	0.460999	0.999277
0.428537	0.815296682	51.89046	0.03079	0.208984	0.147333	0.88287	0.999277
0.089233	0.470524914	112.8098	-0.20385	0.182143	-1.11917	0.263069	0.999277
0.814453	0.9594188	177.7685	-0.059	0.166179	-0.35504	0.72256	0.999277
0.184945	0.631890551	600.9358	0.132622	0.121311	1.093241	0.274288	0.999277
0.521868	0.866449059	41.41733	0.025746	0.214379	0.120097	0.904407	0.999277
0.793113	0.955328559	42.32624	-0.0613	0.215635	-0.28429	0.776191	0.999277
0.952825	0.992357094	15.32671	-0.03934	0.203845	-0.19298	0.846975	0.999277
0.643065	0.914852273	232.7847	0.016421	0.183258	0.089604	0.928602	0.999277
0.742069	0.940569191	110.6988	-0.07667	0.182323	-0.4205	0.674118	0.999277
0.133477	0.556514056	116.8021	-0.14602	0.198492	-0.73567	0.461931	0.999277
0.14219	0.571875272	120.972	0.139441	0.204765	0.68098	0.495884	0.999277
0.884112	0.977415161	21.78458	-0.01239	0.212415	-0.05831	0.953503	0.999277
0.565533	0.886810873	17.6721	0.050592	0.211638	0.239048	0.811068	0.999277
0.932002	0.986607773	1433.059	-0.02357	0.104372	-0.22587	0.821303	0.999277
0.682681	0.9302306	17.72461	0.012242	0.211869	0.057781	0.953923	0.999277
0.493855	0.85290268	117.9017	-0.11109	0.206135	-0.53892	0.589939	0.999277
0.560203	0.88393878	247.2862	0.028226	0.155244	0.181814	0.855729	0.999277
0.836357	0.965088948	1360.997	-0.01039	0.112213	-0.09255	0.926262	0.999277
0.399871	0.799749836	36.14908	-0.13062	0.217021	-0.6019	0.547241	0.999277
0.392127	0.795260095	22.55118	0.08457	0.214625	0.394038	0.693553	0.999277
0.835621	0.965088948	757.0064	-0.0601	0.113664	-0.52878	0.596959	0.999277
0.016911	0.203527919	425.8293	0.126769	0.131833	0.961589	0.336256	0.999277
0.897165	0.980340433	85.54977	-0.0205	0.199725	-0.10264	0.91825	0.999277
0.954883	0.992605014	164.0556	-0.03929	0.17771	-0.22108	0.825028	0.999277
0.68192	0.929953423	118.3753	0.005849	0.183005	0.031958	0.974505	0.999277
0.952518	0.992357094	43.02463	-0.02517	0.213399	-0.11796	0.906096	0.999277
0.373556	0.787458382	42.0791	0.040377	0.214236	0.188471	0.850508	0.999277

0.651345	0.919216906	159.6885	-0.07596	0.174713	-0.43478	0.663724	0.999277
0.519999	0.86522748	125.7143	-0.08721	0.179582	-0.48562	0.627237	0.999277
0.1534	0.589902082	68.22638	-0.21403	0.204974	-1.04419	0.296398	0.999277
0.455438	0.829671446	47.95538	-0.0889	0.212759	-0.41783	0.676074	0.999277
0.572536	0.88993891	207.7578	0.028333	0.163574	0.173213	0.862484	0.999277
0.142205	0.571875272	137.8592	0.133713	0.180524	0.740696	0.458878	0.999277
0.193664	0.639447293	83.15897	0.120674	0.195568	0.617047	0.537204	0.999277
0.406801	0.801957174	161.516	0.052915	0.17624	0.300242	0.763993	0.999277
0.922883	0.985704596	25.93648	-0.02383	0.215723	-0.11048	0.912031	0.999277
0.268605	0.711911233	44.28363	0.092241	0.213679	0.431682	0.665972	0.999277
0.299481	0.737986555	18.36899	0.088128	0.208128	0.423433	0.671979	0.999277
0.942786	0.988829207	8.870581	-0.02411	0.18778	-0.12839	0.897842	0.999277
0.146832	0.578348884	14.74728	0.170787	0.20511	0.832659	0.405037	0.999277
0.102762	0.499317871	95.16755	0.16181	0.191037	0.84701	0.39699	0.999277
0.425389	0.814522067	35.21256	0.036311	0.216718	0.167549	0.866938	0.999277
0.118803	0.529492008	44.30238	-0.20866	0.213152	-0.97891	0.327624	0.999277
0.832477	0.963855958	12.88152	-0.06513	0.200693	-0.3245	0.745557	0.999277
0.711422	0.935646775	59.70573	-0.00793	0.211984	-0.0374	0.970169	0.999277
0.761308	0.946290642	421.3048	-0.0106	0.142283	-0.07452	0.940593	0.999277
0.339875	0.763163214	129.9666	-0.10223	0.186107	-0.54928	0.582812	0.999277
0.245565	0.693665521	135.4489	0.06918	0.194647	0.355413	0.72228	0.999277
0.268762	0.711911233	185.0866	0.085689	0.160753	0.533049	0.594	0.999277
0.883176	0.976958449	830.1167	-0.05081	0.117341	-0.43302	0.665001	0.999277
0.32446	0.754060554	387.1071	-0.15072	0.136481	-1.10429	0.269465	0.999277
0.384256	0.791060127	314.3022	-0.14508	0.154547	-0.93873	0.347871	0.999277
0.397652	0.798440835	87.43459	-0.08707	0.196973	-0.44203	0.658464	0.999277
0.46762	0.838454784	300.8034	0.007115	0.148057	0.048053	0.961674	0.999277
0.814311	0.9594188	96.33511	-0.02067	0.193631	-0.10674	0.914992	0.999277
0.679908	0.928707156	40.81195	0.024392	0.215185	0.113355	0.909749	0.999277
0.667431	0.925067398	50.26302	-0.08082	0.212565	-0.3802	0.7038	0.999277
0.063135	0.404949474	81.07359	-0.15754	0.199645	-0.78911	0.430049	0.999277
0.118971	0.529564601	353.523	0.161037	0.147476	1.091954	0.274853	0.999277
0.889842	0.978618144	52.72025	-0.0475	0.211831	-0.22422	0.822584	0.999277
0.793982	0.95537781	320.2538	-0.00029	0.154541	-0.0019	0.998487	0.999986
0.909568	0.983115569	106.8661	-0.04252	0.190237	-0.22352	0.823128	0.999277
0.635194	0.91246753	28.8639	-0.08865	0.216978	-0.40858	0.682846	0.999277
0.855053	0.970905152	165.5546	-0.02087	0.169937	-0.1228	0.902266	0.999277
0.233113	0.682588754	81.08577	0.06916	0.197665	0.349887	0.726424	0.999277
0.152063	0.587634068	56.23415	-0.20014	0.206972	-0.96699	0.333549	0.999277
0.328471	0.755404931	19.99226	0.069474	0.213836	0.324895	0.745261	0.999277
0.00298	0.074882997	100.2909	0.176725	0.189765	0.931282	0.351708	0.999277
0.376889	0.788552212	10.88311	0.075935	0.18381	0.413118	0.67952	0.999277
0.210801	0.659747629	720.6985	0.053083	0.117712	0.450958	0.65202	0.999277
0.90689	0.982337683	24.12833	-0.04741	0.213941	-0.22158	0.824638	0.999277
0.344316	0.766294086	226.0099	-0.10381	0.162579	-0.6385	0.523151	0.999277
0.573413	0.890076329	12.75583	0.045427	0.201863	0.225038	0.82195	0.999277
0.862804	0.973257803	573.0417	-0.05225	0.122517	-0.42647	0.669766	0.999277
0.406172	0.801957174	121.4123	-0.12504	0.195343	-0.64009	0.522116	0.999277
0.316498	0.749315328	470.2606	0.054442	0.146415	0.371834	0.710016	0.999277
0.230691	0.680589817	194.6171	0.033737	0.164471	0.205123	0.837476	0.999277
0.609301	0.903795926	99.00452	0.02969	0.193872	0.15314	0.878288	0.999277
0.367392	0.783695365	67.90357	0.04221	0.204704	0.206199	0.836635	0.999277

0.350792	0.772365992	415.9152	0.070899	0.143397	0.494424	0.621007	0.999277
0.84088	0.966670198	663.8519	-0.05416	0.133701	-0.40505	0.685443	0.999277
0.012267	0.17168784	299.4954	0.209073	0.149766	1.395993	0.162717	0.999277
0.482165	0.846450746	108.9892	0.015674	0.183013	0.085644	0.931749	0.999277
0.733102	0.938791295	135.5684	-0.01004	0.176399	-0.05693	0.954598	0.999277
0.056973	0.385445107	542.7236	0.076727	0.139833	0.548703	0.583209	0.999277
0.798062	0.956401774	69.77797	-0.01831	0.20505	-0.0893	0.92884	0.999277
0.900392	0.981243428	225.1262	-0.04672	0.15418	-0.30304	0.761857	0.999277
0.897076	0.980340433	23.23021	-0.02169	0.215987	-0.10041	0.920015	0.999277
0.901865	0.981696482	60.99561	-0.04954	0.206847	-0.23951	0.810712	0.999277
0.28155	0.72221802	1204.209	0.039184	0.125333	0.312635	0.754558	0.999277
0.312968	0.746673364	26.28201	0.062471	0.216464	0.288595	0.772891	0.999277
0.379837	0.790146437	82.48892	-0.10415	0.209828	-0.49637	0.619631	0.999277
0.280702	0.721618953	114.7437	0.047929	0.183027	0.261867	0.793424	0.999277
0.14109	0.57119039	35.73733	-0.138	0.216498	-0.63743	0.523847	0.999277
0.70651	0.93479128	72.33413	-0.00179	0.204954	-0.00875	0.993015	0.999277
0.108639	0.510970313	41.35051	0.114512	0.216834	0.52811	0.597423	0.999277
0.662103	0.924316596	47.9655	0.009936	0.213036	0.046638	0.962801	0.999277
0.98431	0.997439038	25.48904	-0.03426	0.215886	-0.15871	0.873897	0.999277
0.012203	0.171522331	94.86906	-0.29829	0.206599	-1.44382	0.148789	0.980191
0.623959	0.907988155	165.0254	0.00893	0.173671	0.051417	0.958993	0.999277
0.944617	0.989441125	667.0602	-0.04359	0.126538	-0.34447	0.730494	0.999277
0.514801	0.862555793	637.9707	-0.12158	0.145687	-0.83452	0.403991	0.999277
0.350637	0.772225327	67.17919	0.095068	0.208455	0.456059	0.648348	0.999277
0.617465	0.907005063	20.25897	0.023681	0.212844	0.111259	0.911411	0.999277
0.388548	0.794025943	78.81399	-0.12367	0.198237	-0.62384	0.532732	0.999277
0.256435	0.702123584	51.94432	-0.15855	0.21033	-0.75381	0.450963	0.999277
0.005024	0.103951373	74.16719	0.222236	0.208955	1.063555	0.28753	0.999277
0.138822	0.566965145	37.82496	0.079909	0.215828	0.370243	0.711201	0.999277
0.989936	0.998538548	98.52234	-0.03827	0.201767	-0.18969	0.849552	0.999277
0.30267	0.739758551	76.97146	0.048665	0.198086	0.245675	0.805934	0.999277
0.398707	0.799027159	148.8431	-0.12845	0.171148	-0.75054	0.452927	0.999277
0.807824	0.958353056	435.8573	-0.05353	0.136693	-0.39157	0.695374	0.999277
0.501578	0.856224747	233.4916	0.036922	0.155424	0.237555	0.812226	0.999277
0.9738	0.995861805	53.74683	-0.04202	0.208311	-0.20173	0.840127	0.999277
0.422424	0.812942386	22.11393	0.039904	0.215007	0.185593	0.852764	0.999277
0.724033	0.937851817	197.9526	-0.00711	0.161241	-0.04408	0.964837	0.999277
0.411895	0.805176831	211.685	-0.12737	0.157965	-0.80631	0.420066	0.999277
0.054829	0.378756569	74.7858	0.234322	0.211728	1.106712	0.268419	0.999277
0.528445	0.869274414	282.0401	-0.09527	0.150131	-0.63456	0.525718	0.999277
0.822225	0.961143523	9.773957	-0.00885	0.190571	-0.04643	0.962964	0.999277
0.60148	0.899470672	40.94807	0.038634	0.21507	0.179636	0.857438	0.999277
0.45018	0.826019403	79.92467	0.034269	0.198387	0.172739	0.862857	0.999277
0.314473	0.747422509	331.8078	0.087678	0.139324	0.629309	0.529147	0.999277
0.787601	0.954125065	38.67922	-0.07191	0.216446	-0.33223	0.739718	0.999277
0.333339	0.758917993	44.75107	0.072886	0.214758	0.339388	0.734318	0.999277
0.829339	0.963218067	335.3515	-0.06891	0.136066	-0.50646	0.612534	0.999277
0.785316	0.953405093	252.079	-0.06756	0.166167	-0.40657	0.684325	0.999277
0.206133	0.65381832	215.4536	0.065973	0.163877	0.402579	0.687258	0.999277
0.658261	0.921551524	8.724277	0.009522	0.18671	0.050998	0.959327	0.999277
0.784412	0.95302139	57.97522	-0.06259	0.208949	-0.29955	0.764517	0.999277
0.158976	0.596830002	234.7072	0.089457	0.151515	0.590421	0.554908	0.999277

0.529833	0.869631775	430.627	-0.09127	0.138213	-0.66039	0.509006	0.999277
0.408841	0.802846096	25.17784	0.052039	0.216577	0.240279	0.810114	0.999277
0.841756	0.966811735	216.2251	-0.0193	0.162483	-0.11876	0.905466	0.999277
0.1782	0.621283993	54.88366	0.145853	0.209313	0.696817	0.485917	0.999277
0.081669	0.451665352	518.6288	0.140857	0.125891	1.11888	0.263191	0.999277
0.826212	0.962521459	39.87425	-0.06842	0.216191	-0.3165	0.751626	0.999277
0.18134	0.627158296	34.67608	-0.1843	0.216763	-0.85022	0.395202	0.999277
0.693551	0.932436528	49.47302	-0.07291	0.210344	-0.34663	0.728869	0.999277
0.237706	0.686674178	61.18288	0.080461	0.212493	0.378652	0.704946	0.999277
0.679067	0.928687921	83.48077	0.00995	0.194897	0.051053	0.959283	0.999277
0.746186	0.941321938	276.4821	-0.02019	0.156542	-0.12898	0.897375	0.999277
0.166509	0.605328888	140.5186	0.111543	0.181376	0.614983	0.538566	0.999277
0.496008	0.853814273	52.23142	-0.10202	0.20964	-0.48665	0.626509	0.999277
0.145477	0.575493523	249.5653	0.110709	0.155174	0.71345	0.475567	0.999277
0.994168	0.998654685	78.12747	-0.03899	0.198493	-0.19645	0.844256	0.999277
0.359553	0.777189198	233.516	0.055288	0.166266	0.332529	0.73949	0.999277
0.770904	0.94929683	24.04319	-0.00508	0.216184	-0.02351	0.981245	0.999277
0.510525	0.860552725	557.4696	0.048557	0.145856	0.33291	0.739202	0.999277
0.70807	0.93479128	197.8232	-0.01592	0.157031	-0.1014	0.919232	0.999277
0.844761	0.967713968	444.463	-0.01943	0.129829	-0.14966	0.881033	0.999277
0.413951	0.807542972	438.1235	0.037422	0.1483	0.252341	0.800777	0.999277
0.0119	0.169577339	55.33289	0.167215	0.21281	0.785748	0.432015	0.999277
0.919375	0.985666507	462.9197	-0.04979	0.152825	-0.32581	0.744566	0.999277
0.010552	0.158984594	33.42424	0.147887	0.216357	0.683532	0.494271	0.999277
0.150754	0.58443531	36.74112	0.104757	0.21591	0.48519	0.627541	0.999277
0.844392	0.967713968	73.01137	-0.02277	0.205066	-0.11104	0.911587	0.999277
0.287469	0.72790282	264.0076	0.081672	0.161791	0.504803	0.613698	0.999277
0.984924	0.997439038	592.7095	-0.04113	0.125067	-0.32885	0.742272	0.999277
0.783422	0.952710845	166.0783	-0.01297	0.165235	-0.0785	0.937431	0.999277
0.929392	0.98582665	240.2969	-0.05088	0.160977	-0.31606	0.751959	0.999277
0.826559	0.962521459	11.27582	-0.01321	0.190367	-0.06941	0.944663	0.999277
0.356313	0.774871619	724.2777	-0.10055	0.119325	-0.84264	0.39943	0.999277
0.283724	0.725004462	348.8533	0.047368	0.159692	0.296623	0.766754	0.999277
0.209809	0.658646604	150.4885	0.058222	0.17388	0.334837	0.737748	0.999277
0.34664	0.768286893	16.16775	0.063861	0.204643	0.312063	0.754993	0.999277
0.78877	0.954346523	65.36024	-0.0678	0.206064	-0.32904	0.742128	0.999277
0.824788	0.962280868	11.11569	-0.01293	0.191626	-0.06747	0.946206	0.999277
0.401797	0.799749836	557.3753	-0.13782	0.156671	-0.87967	0.379039	0.999277
0.3134	0.74687458	99.26824	0.066577	0.196433	0.338929	0.734663	0.999277
0.51228	0.861697031	35.53224	-0.13432	0.216651	-0.62	0.535256	0.999277
0.379243	0.789493182	820.2852	0.06518	0.12333	0.5285	0.597152	0.999277
0.976209	0.996317022	91.85074	-0.04259	0.192971	-0.22072	0.825311	0.999277
0.75189	0.943270258	78.90568	-0.07991	0.196572	-0.40654	0.684344	0.999277
0.260532	0.704211455	172.0339	-0.12756	0.163893	-0.7783	0.436394	0.999277
0.221762	0.672097082	182.863	0.0875	0.166505	0.525507	0.599231	0.999277
0.427908	0.815001869	119.685	-0.09221	0.18861	-0.4889	0.624914	0.999277
0.668721	0.925067398	65.34187	-0.00681	0.205292	-0.03319	0.973522	0.999277
0.278947	0.720991002	25.69588	-0.188	0.215175	-0.87372	0.382273	0.999277
0.928566	0.985704596	30.53868	-0.05038	0.216715	-0.23249	0.816155	0.999277
0.297811	0.736237108	142.101	0.054113	0.186767	0.289733	0.77202	0.999277
0.964545	0.994711448	201.8848	-0.04425	0.157156	-0.2816	0.778253	0.999277
0.344053	0.766294086	147.9521	-0.11409	0.191355	-0.59622	0.551025	0.999277

0.724057	0.937851817	280.4106	-0.00988	0.160279	-0.06165	0.95084	0.999277
0.000601	0.02651858	64.85329	0.183452	0.203942	0.899531	0.36837	0.999277
0.707912	0.93479128	1460.689	-0.07606	0.11862	-0.64121	0.521386	0.999277
0.827886	0.962961475	219.8396	-0.02481	0.17913	-0.13848	0.889863	0.999277
0.09174	0.475861473	317.8627	0.11682	0.139699	0.836231	0.403025	0.999277
0.170844	0.612136288	111.2127	0.104219	0.183624	0.567568	0.570328	0.999277
0.393084	0.795485504	21.57788	-0.15	0.215072	-0.69743	0.485533	0.999277
0.396817	0.797477006	160.2898	-0.14239	0.173179	-0.82221	0.41096	0.999277
0.953849	0.992357094	311.6217	-0.04501	0.142907	-0.31496	0.752794	0.999277
0.463635	0.835431694	44.45975	0.007914	0.21565	0.036698	0.970726	0.999277
0.110624	0.514156037	29.2946	0.085755	0.217008	0.395172	0.692716	0.999277
0.554743	0.881824972	285.9596	-0.00287	0.144919	-0.01981	0.984192	0.999277
0.045681	0.344342772	34.82409	0.170784	0.216538	0.7887	0.430287	0.999277
0.005897	0.11400287	15.56118	0.361635	0.192848	1.875233	0.060761	0.763303
0.545911	0.876016244	252.6883	-0.08242	0.154044	-0.53502	0.592639	0.999277
0.120771	0.533405714	10.10507	0.14379	0.182857	0.786351	0.431662	0.999277
0.198331	0.64523528	174.3288	0.059128	0.161718	0.365625	0.714645	0.999277
0.222019	0.672343835	36.90626	0.06632	0.215719	0.307436	0.758512	0.999277
0.249439	0.696085436	1360.994	0.073984	0.10372	0.713304	0.475658	0.999277
0.534832	0.872130388	136.2545	-0.12018	0.181493	-0.66218	0.507856	0.999277
0.163412	0.602535736	104.3925	0.087429	0.185199	0.472082	0.636869	0.999277
0.793594	0.955328559	123.6345	-0.07258	0.185007	-0.39233	0.694817	0.999277
0.59206	0.895697175	19.39052	0.022215	0.213404	0.104099	0.917091	0.999277
0.644358	0.915153198	42.63721	0.007433	0.215562	0.034483	0.972492	0.999277
0.765673	0.947875748	388.9911	-0.00765	0.131228	-0.05833	0.953484	0.999277
0.512299	0.861697031	128.842	-0.09836	0.187128	-0.52565	0.599129	0.999277
0.869183	0.974861224	294.3975	-0.02096	0.164848	-0.12716	0.89881	0.999277
0.5031	0.856224864	84.89764	0.020867	0.195097	0.106958	0.914823	0.999277
0.749352	0.942352049	42.29807	-0.00425	0.216842	-0.01961	0.984351	0.999277
0.675745	0.927604313	187.4726	-0.08597	0.163427	-0.52602	0.598877	0.999277
0.006173	0.11703955	68.30722	0.267426	0.212777	1.256834	0.208814	0.999277
0.492268	0.852802998	645.3313	-0.10238	0.127446	-0.80331	0.421794	0.999277
0.649926	0.91886709	440.1027	-0.07974	0.137155	-0.58137	0.560992	0.999277
0.924344	0.985704596	110.3826	-0.04967	0.186429	-0.26643	0.789905	0.999277
0.810286	0.958353056	198.9992	-0.02005	0.160206	-0.12515	0.900403	0.999277
0.808051	0.958353056	3269.288	-0.0607	0.11659	-0.52066	0.602603	0.999277
0.323352	0.752685089	22.23566	-0.18495	0.204677	-0.90362	0.366199	0.999277
0.127939	0.5473675	355.4868	0.076447	0.144498	0.529053	0.596768	0.999277
0.336617	0.759804072	324.9951	-0.16991	0.184711	-0.91985	0.357649	0.999277
0.961356	0.994289023	206.7835	-0.03596	0.156717	-0.22948	0.818493	0.999277
0.834583	0.964681778	10.29861	-0.07194	0.19167	-0.37534	0.707405	0.999277
0.6436	0.914943952	209.335	-0.08716	0.163927	-0.53167	0.594952	0.999277
0.245126	0.693511647	1189.753	0.071993	0.107161	0.671814	0.501702	0.999277
0.499485	0.854880734	108.8356	0.040447	0.195158	0.207254	0.835812	0.999277
0.96679	0.994967341	108.462	-0.03787	0.193018	-0.19621	0.84445	0.999277
0.08323	0.455637862	702.4449	0.183823	0.123221	1.491812	0.135749	0.961317
0.954168	0.992479923	237.373	-0.04807	0.152121	-0.31597	0.752025	0.999277
0.735719	0.939019598	12.64986	0.007221	0.193536	0.037309	0.970238	0.999277
0.771439	0.94929683	533.3852	-0.07246	0.137827	-0.5257	0.599093	0.999277
0.061382	0.398881293	88.79537	-0.30674	0.195572	-1.56841	0.116785	0.929931
0.120838	0.533436893	697.6966	0.118286	0.166577	0.710102	0.477641	0.999277
0.710214	0.935163685	113.3239	-0.08541	0.20685	-0.41293	0.679659	0.999277

0.116015	0.525508623	35.41436	0.183265	0.216628	0.845993	0.397557	0.999277
0.073515	0.431374025	133.2298	0.087776	0.179758	0.488303	0.625335	0.999277
0.581092	0.892820666	263.0571	0.010923	0.154665	0.070623	0.943698	0.999277
0.535827	0.872591863	125.5918	-0.09584	0.175509	-0.54606	0.585025	0.999277
0.85038	0.969429639	557.891	-0.02182	0.138938	-0.15703	0.875219	0.999277
0.429353	0.815457184	16.51967	0.047093	0.209036	0.225287	0.821756	0.999277
0.226079	0.675758962	1600.602	0.067146	0.110035	0.610228	0.54171	0.999277
0.689753	0.93158774	816.8515	0.007288	0.11516	0.063287	0.949538	0.999277
0.065167	0.41179587	303.6838	0.060004	0.150317	0.399181	0.68976	0.999277
0.098103	0.489489586	635.1861	-0.14829	0.130361	-1.13756	0.255305	0.999277
0.55815	0.882863308	483.0024	-0.09197	0.132941	-0.69184	0.489039	0.999277
0.170777	0.612136288	923.9665	-0.20739	0.117925	-1.75865	0.078637	0.824251
0.385944	0.792576238	65.19663	-0.14906	0.202982	-0.73435	0.462736	0.999277
0.781193	0.951571897	9.261639	-0.00323	0.186262	-0.01737	0.986145	0.999277
0.234365	0.683219522	28.51474	0.090443	0.216595	0.417569	0.676263	0.999277
0.317686	0.750019078	48.24603	0.040211	0.211988	0.189684	0.849557	0.999277
0.313246	0.746673364	206.3511	0.070376	0.18312	0.384315	0.700745	0.999277
0.672732	0.926890265	249.3372	-0.07833	0.153544	-0.51016	0.609938	0.999277
0.879916	0.97662978	42.61837	-0.02386	0.213188	-0.11193	0.910875	0.999277
0.634327	0.91246753	271.1737	-0.10135	0.146946	-0.68971	0.490377	0.999277
0.162378	0.601189469	32.33335	0.136036	0.21689	0.627215	0.530518	0.999277
0.215914	0.667087859	97.90014	0.136535	0.192937	0.707666	0.479153	0.999277
0.756516	0.944726401	11.29334	-0.08006	0.196623	-0.40718	0.683879	0.999277
0.492352	0.852802998	7132.827	0.055569	0.095068	0.584521	0.55887	0.999277
0.825281	0.962521459	17.03737	-0.07492	0.206915	-0.3621	0.71728	0.999277
0.338588	0.761302837	60.51873	0.047199	0.208968	0.225867	0.821305	0.999277
0.529166	0.86938189	23.59713	-0.11164	0.211754	-0.52724	0.59803	0.999277
0.203988	0.6521121	373.3051	0.080964	0.135042	0.599552	0.548805	0.999277
0.383891	0.790917401	48.46192	0.05025	0.212095	0.236924	0.812716	0.999277
0.475501	0.842414553	22.91364	0.005773	0.214476	0.026918	0.978525	0.999277
0.761185	0.946225522	12.61544	-0.08676	0.200681	-0.43233	0.665499	0.999277
0.606666	0.902971976	504.7512	-0.09908	0.135552	-0.73093	0.464823	0.999277
0.125905	0.542195697	29.35564	0.090679	0.217017	0.41784	0.676064	0.999277
0.747487	0.942075744	303.7212	-0.07315	0.156145	-0.46847	0.639447	0.999277
0.990456	0.998538548	91.31113	-0.04489	0.193986	-0.2314	0.817005	0.999277
0.454552	0.82909895	577.6265	-0.13686	0.12442	-1.10001	0.271327	0.999277
0.573908	0.890266465	118.186	-0.1014	0.180144	-0.56291	0.573495	0.999277
0.438325	0.819745382	310.4419	-0.10682	0.142673	-0.74872	0.454023	0.999277
0.638472	0.913202151	84.1066	-0.0788	0.194024	-0.40611	0.684662	0.999277
0.709003	0.934824396	141.4923	-0.08317	0.171938	-0.4837	0.628596	0.999277
0.719095	0.93623476	131.9522	-0.07864	0.185719	-0.42343	0.671983	0.999277
0.961885	0.994289023	113.1855	-0.04779	0.188478	-0.25357	0.799829	0.999277
0.03014	0.278229521	230.116	-0.2472	0.165329	-1.49523	0.134854	0.961274
0.01663	0.202349152	184.4237	0.132942	0.176206	0.754466	0.450569	0.999277
0.378077	0.78898728	16.91825	0.075711	0.20984	0.360803	0.718247	0.999277
0.877637	0.976223954	220.7408	-0.03069	0.158415	-0.19376	0.846362	0.999277
0.624051	0.907988155	36.52737	-0.11233	0.216902	-0.5179	0.604525	0.999277
0.158509	0.596830002	215.9978	0.048533	0.156851	0.309422	0.757001	0.999277
0.526654	0.868304398	125.925	-0.00431	0.177469	-0.02429	0.980618	0.999277
0.024155	0.248526977	145.5448	0.164108	0.176118	0.931805	0.351437	0.999277
0.704771	0.934710222	366.1697	-0.07682	0.140239	-0.54781	0.58382	0.999277
0.867412	0.974472542	81.47421	-0.06428	0.200051	-0.32133	0.747963	0.999277

0.908678	0.982710231	309.2877	-0.03309	0.138172	-0.23946	0.810746	0.999277
0.25218	0.698196257	87.25489	-0.15541	0.21006	-0.73985	0.459389	0.999277
0.044267	0.339092553	711.4064	0.21932	0.140053	1.565986	0.117352	0.929931
0.900987	0.981243428	45.73992	-0.03143	0.215224	-0.14603	0.883898	0.999277
0.454552	0.82909895	577.9769	-0.13783	0.124608	-1.10608	0.26869	0.999277
0.707556	0.93479128	25.54187	-0.08605	0.216053	-0.39826	0.690438	0.999277
0.401199	0.799749836	293.7962	0.007988	0.166279	0.048037	0.961687	0.999277
0.555039	0.881860015	1011.828	0.021915	0.125492	0.174635	0.861367	0.999277
0.861615	0.97286097	28.103	-0.02115	0.216398	-0.09772	0.922155	0.999277
0.994849	0.998654685	14.77348	-0.04397	0.203014	-0.21657	0.828543	0.999277
0.675219	0.927604313	57.04797	-0.08457	0.206901	-0.40874	0.682733	0.999277
0.70431	0.934710222	48.07186	0.003348	0.212083	0.015788	0.987403	0.999277
0.734095	0.938791295	105.6298	-0.00127	0.196809	-0.00646	0.994845	0.999277
0.162196	0.601189469	43.42055	-0.2155	0.21685	-0.99379	0.320325	0.999277
0.786492	0.953593071	18.39952	-0.0172	0.208997	-0.08231	0.934402	0.999277
0.371914	0.786113378	418.9024	0.048079	0.133979	0.358851	0.719707	0.999277
0.853552	0.970089018	246.1105	-0.06131	0.151495	-0.40471	0.685689	0.999277
0.597702	0.897896957	23.46386	-0.12211	0.214731	-0.56865	0.569594	0.999277
0.623701	0.907988155	75.14035	0.005458	0.199464	0.027361	0.978171	0.999277
0.747647	0.942083826	195.7443	-0.07569	0.173074	-0.43733	0.661874	0.999277
0.7758	0.950312691	31.08895	-0.00702	0.217011	-0.03235	0.974196	0.999277
0.595637	0.896810505	102.3134	-0.10734	0.186814	-0.57459	0.565568	0.999277
0.443777	0.823083681	342.8778	0.017392	0.139806	0.124398	0.901	0.999277
0.935163	0.986685518	282.6259	-0.04031	0.153874	-0.26196	0.793351	0.999277
0.206163	0.65381832	218.2014	-0.16344	0.155213	-1.05302	0.292333	0.999277
0.285899	0.726541819	119.0161	-0.19213	0.181681	-1.0575	0.290282	0.999277
0.957914	0.993016963	9.097296	-0.05271	0.188329	-0.27989	0.77956	0.999277
0.705859	0.93479128	267.5983	-0.013	0.146987	-0.08846	0.92951	0.999277
0.453352	0.827975637	73.41534	0.035409	0.200515	0.176592	0.859829	0.999277
0.188025	0.635584592	852.427	-0.18647	0.13287	-1.40343	0.160487	0.999277
0.740477	0.940232174	264.6985	-0.02246	0.153997	-0.14583	0.884052	0.999277
0.440937	0.821346459	21.18596	0.027362	0.2131	0.1284	0.897832	0.999277
0.185054	0.631890551	39.72451	0.067162	0.214525	0.313073	0.754225	0.999277
0.532407	0.871288969	120.2946	-0.00185	0.179888	-0.01029	0.991787	0.999277
0.28762	0.727908473	144.6114	-0.10158	0.181022	-0.56117	0.574681	0.999277
0.459425	0.832244861	23.43103	0.040896	0.216109	0.189239	0.849905	0.999277
0.870933	0.975586031	52.32197	-0.06035	0.212305	-0.28427	0.776201	0.999277
0.212437	0.662162147	936.6027	-0.13479	0.127357	-1.05839	0.289878	0.999277
0.735122	0.938791295	36.71225	-0.07786	0.216047	-0.36037	0.718572	0.999277
0.577231	0.891181731	259.1534	-0.11052	0.149827	-0.73767	0.460716	0.999277
0.968373	0.995518796	43.13982	-0.04262	0.216451	-0.1969	0.843905	0.999277
0.098409	0.490347179	33.99129	0.173701	0.209921	0.82746	0.407977	0.999277
7.18E-08	4.17E-05	90.25009	0.407906	0.193214	2.111166	0.034758	0.639558
0.992645	0.998538548	21.3486	-0.04747	0.207842	-0.22837	0.819357	0.999277
0.859485	0.972502766	106.5264	-0.0593	0.1865	-0.31795	0.750521	0.999277
0.962352	0.994289023	1406.717	-0.04076	0.11806	-0.34524	0.729913	0.999277
0.675199	0.927604313	75.59043	-0.01183	0.198713	-0.05952	0.952542	0.999277
0.929873	0.98582665	43.47895	-0.0346	0.21555	-0.16052	0.872471	0.999277
0.024587	0.250113073	117.3555	0.116069	0.185692	0.625061	0.531931	0.999277
0.08661	0.463830914	107.0887	-0.24497	0.198118	-1.23649	0.216277	0.999277
0.032436	0.289434212	132.773	0.157564	0.178688	0.881783	0.377894	0.999277
0.390306	0.794805703	44.09418	-0.1025	0.213801	-0.47944	0.631628	0.999277

0.617608	0.907005063	48.23755	-0.09741	0.21137	-0.46083	0.644922	0.999277
0.895111	0.97993049	20.7815	-0.02784	0.210188	-0.13243	0.894642	0.999277
0.18458	0.631890551	143.9781	0.080018	0.173436	0.461367	0.644535	0.999277
0.843136	0.967248572	85.95997	-0.07098	0.200798	-0.35349	0.723724	0.999277
0.871467	0.975692252	92.18246	-0.02976	0.192978	-0.15422	0.877438	0.999277
0.607792	0.903740551	151.0714	-0.00354	0.177356	-0.01996	0.984076	0.999277
0.022144	0.236971664	824.9899	0.159931	0.137386	1.164101	0.244383	0.999277
0.5246	0.867773724	238.3987	0.030282	0.152678	0.198342	0.842778	0.999277
0.778247	0.950724178	30.82666	-0.08032	0.217017	-0.37011	0.711298	0.999277
0.794783	0.955450804	417.2502	-0.07821	0.128291	-0.60961	0.542121	0.999277
0.512821	0.861822466	317.1567	0.019631	0.15378	0.127657	0.89842	0.999277
0.305837	0.741541601	12.11625	0.081229	0.195488	0.415517	0.677763	0.999277
0.878079	0.976223954	83.91026	-0.0592	0.193451	-0.306	0.759607	0.999277
0.247766	0.69548128	11.88877	-0.17392	0.199191	-0.87311	0.382604	0.999277
0.77372	0.949821182	23.28533	-0.01732	0.215076	-0.08053	0.935813	0.999277
0.648495	0.918363176	68.37781	0.006869	0.20152	0.034088	0.972807	0.999277
0.674747	0.927604313	8.801046	0.003112	0.180326	0.017256	0.986233	0.999277
0.581522	0.89287357	24.70206	0.032528	0.214546	0.151611	0.879494	0.999277
0.526574	0.868304398	12.64513	0.034193	0.200606	0.170447	0.864658	0.999277
0.629126	0.910993455	101.6167	-0.08604	0.18976	-0.45341	0.650256	0.999277
0.001709	0.051425719	246.2045	0.106934	0.148696	0.719141	0.472054	0.999277
0.442018	0.822000753	9.243838	0.035407	0.18674	0.189607	0.849617	0.999277
0.662383	0.924513897	134.6102	-0.10421	0.177898	-0.58576	0.558039	0.999277
0.997531	0.998980571	157.4454	-0.04776	0.170872	-0.2795	0.779863	0.999277
0.734464	0.938791295	78.60207	-0.09274	0.200686	-0.46212	0.643993	0.999277
0.188768	0.636222272	65.94918	-0.18693	0.202711	-0.92215	0.356448	0.999277
0.368634	0.784562847	146.0789	-0.15563	0.180295	-0.86321	0.38802	0.999277
0.358275	0.776184419	374.5081	0.047468	0.153537	0.309162	0.757199	0.999277
0.80909	0.958353056	141.84	-0.02865	0.184456	-0.1553	0.876582	0.999277
0.91481	0.984245741	42.07672	-0.03294	0.215838	-0.1526	0.878717	0.999277
0.064281	0.408580655	12.24286	0.189772	0.196353	0.966487	0.3338	0.999277
0.208211	0.65655927	507.8606	0.09419	0.1373	0.686013	0.492705	0.999277
0.031169	0.283467472	358.4948	0.112337	0.14789	0.759603	0.447492	0.999277
0.766988	0.948582884	38.91398	-0.08174	0.215022	-0.38015	0.703835	0.999277
0.18568	0.631890551	491.1742	0.081699	0.135629	0.602368	0.546929	0.999277
0.161304	0.600917879	179.8564	-0.25112	0.160987	-1.55988	0.118788	0.929931
0.539574	0.873794135	19.35965	0.021548	0.205925	0.104642	0.91666	0.999277
0.876659	0.976116206	231.8436	-0.06833	0.158137	-0.43211	0.665661	0.999277
0.135451	0.56116272	115.3653	0.084436	0.184645	0.457288	0.647464	0.999277
0.112556	0.518563319	15.10967	0.181863	0.199792	0.910262	0.362684	0.999277
0.848104	0.968775056	60.53883	-0.02898	0.207975	-0.13935	0.889175	0.999277
0.227363	0.676705235	11.81433	0.086606	0.19434	0.445645	0.655854	0.999277
0.497792	0.853814273	29.79245	-0.10125	0.215893	-0.46899	0.639079	0.999277
0.665969	0.925067398	51.7329	-0.09659	0.210275	-0.45935	0.645982	0.999277
0.358197	0.776142565	12.2389	-0.17924	0.197537	-0.90736	0.364217	0.999277
0.423487	0.813443725	880.7337	0.04114	0.109678	0.375095	0.70759	0.999277
0.553676	0.881128175	35.65477	0.003668	0.216831	0.016918	0.986502	0.999277
0.152037	0.587634068	159.5865	0.077377	0.171308	0.451683	0.651497	0.999277
0.050559	0.363343646	11.32793	0.146192	0.194794	0.750491	0.452959	0.999277
0.753294	0.943880604	41.09469	-0.00279	0.216743	-0.01286	0.989739	0.999277
0.62921	0.910993455	143.5589	-0.00549	0.17205	-0.03191	0.974543	0.999277
0.521698	0.866449059	19.95472	-0.13659	0.212929	-0.64148	0.521214	0.999277

0.145873	0.57603835	45.67311	0.081661	0.215359	0.379184	0.704551	0.999277
0.10894	0.511843823	152.1385	0.122497	0.172537	0.709973	0.477721	0.999277
0.971078	0.99553873	154.1859	-0.04592	0.187047	-0.24552	0.806056	0.999277
0.723945	0.937851817	15.08131	-0.01227	0.207693	-0.05909	0.952877	0.999277
0.841728	0.966811735	31.20178	-0.07151	0.217	-0.32956	0.741732	0.999277
0.688644	0.931407252	35.81233	-0.10589	0.216098	-0.49002	0.624118	0.999277
5.44E-05	0.005118748	376.4482	-0.36228	0.14299	-2.53358	0.01129	0.411141
0.993625	0.99855536	324.0756	-0.04791	0.145548	-0.32919	0.742009	0.999277
0.92874	0.985704596	43.27115	-0.0387	0.214617	-0.1803	0.856918	0.999277
0.936651	0.986885744	77.83489	-0.05755	0.209496	-0.27472	0.783532	0.999277
0.535561	0.872591863	507.7463	0.01363	0.136395	0.099931	0.920399	0.999277
0.528165	0.869134287	29.15545	0.006064	0.216931	0.027952	0.9777	0.999277
0.104447	0.501644228	102.8958	0.078646	0.194324	0.404716	0.685686	0.999277
0.842551	0.967078312	25.32851	-0.0214	0.215071	-0.09949	0.920753	0.999277
0.293521	0.733452399	47.56126	-0.13836	0.212494	-0.65115	0.514952	0.999277
0.985052	0.997439038	346.1945	-0.05084	0.142388	-0.35702	0.721075	0.999277
0.747991	0.942119652	71.53247	-0.09078	0.206986	-0.43856	0.66098	0.999277
0.114976	0.522571385	145.9571	0.07995	0.173442	0.460961	0.644827	0.999277
0.730798	0.938791295	165.8272	-0.02636	0.164786	-0.15998	0.8729	0.999277
0.000601	0.02651858	65.37408	0.174027	0.20373	0.854203	0.392992	0.999277
0.053543	0.374910234	416.038	0.121723	0.132235	0.920511	0.357306	0.999277
0.817411	0.959821979	643.2288	-0.02945	0.127854	-0.23035	0.817821	0.999277
0.884232	0.977467046	156.022	-0.03058	0.167241	-0.18288	0.854896	0.999277
0.566362	0.887313651	247.6603	-0.09159	0.165896	-0.55209	0.580889	0.999277
0.837775	0.965547986	51.916	-0.07013	0.210335	-0.33344	0.738803	0.999277
0.553225	0.880941817	71.44139	-0.10141	0.203926	-0.49727	0.619002	0.999277
0.758358	0.945376634	127.6822	-0.09414	0.182412	-0.5161	0.605785	0.999277
0.780836	0.951539521	196.7038	-0.01849	0.166622	-0.11096	0.911646	0.999277
0.098531	0.490347179	406.4123	-0.22986	0.142327	-1.61498	0.106315	0.905207
0.679474	0.928687921	13.86169	0.007465	0.066344	0.112518	0.910413	0.999277
0.926771	0.985704596	41.86103	-0.0579	0.214312	-0.27017	0.787028	0.999277
0.640846	0.914411444	9.431567	-0.10905	0.186822	-0.5837	0.559421	0.999277
0.921277	0.985704596	202.8541	-0.04126	0.170372	-0.2422	0.808622	0.999277
0.502224	0.856224747	45.04167	-0.11823	0.213469	-0.55383	0.579694	0.999277
0.834061	0.964463864	1100.612	-0.06261	0.143053	-0.43767	0.661627	0.999277
0.080565	0.448525673	547.2538	0.165626	0.157427	1.052084	0.292761	0.999277
0.910654	0.983347023	1043.636	-0.03604	0.116928	-0.30826	0.757882	0.999277
0.830041	0.963218067	13.79713	-0.0752	0.204918	-0.36695	0.713653	0.999277
0.260247	0.704211455	67.79895	0.021787	0.202035	0.107835	0.914126	0.999277
0.383123	0.790738618	224.5414	-0.1575	0.176362	-0.89308	0.371816	0.999277
0.517777	0.863952116	13.69393	0.041603	0.184408	0.225601	0.821512	0.999277
0.66839	0.925067398	20.8986	-0.10086	0.213149	-0.47319	0.636078	0.999277
0.770689	0.94929683	231.38	-0.07751	0.151192	-0.51268	0.608177	0.999277
0.531636	0.870719093	52.71232	0.005377	0.209847	0.025623	0.979558	0.999277
0.415913	0.808403335	65.06796	-0.14783	0.204877	-0.72156	0.470566	0.999277
0.040112	0.32519701	12.05384	0.204216	0.199171	1.02533	0.305208	0.999277
0.093193	0.478749206	69.17364	0.162285	0.206231	0.786911	0.431334	0.999277
0.745871	0.941321938	44.33706	-0.08475	0.212544	-0.39874	0.690087	0.999277
0.222975	0.673105236	20.48751	0.07634	0.213457	0.357635	0.720616	0.999277
0.730169	0.938791295	18.13107	-0.0906	0.211988	-0.4274	0.669085	0.999277
0.738685	0.940232174	253.9068	-0.07862	0.15767	-0.49866	0.618019	0.999277
0.425553	0.814589985	191.1449	0.01295	0.159979	0.080946	0.935485	0.999277

0.644869	0.915384904	34.74407	-0.09736	0.216479	-0.44975	0.652891	0.999277
0.002843	0.073212059	945.6199	0.138959	0.162611	0.854545	0.392803	0.999277
0.447858	0.824078276	31.32465	0.043668	0.216944	0.201286	0.840475	0.999277
0.161161	0.60073497	37.17749	-0.19357	0.215286	-0.89915	0.368573	0.999277
0.775193	0.950087614	86.77597	-0.07554	0.192298	-0.39281	0.69446	0.999277
0.866859	0.974472542	211.4102	-0.06681	0.161851	-0.41278	0.679767	0.999277
0.774381	0.949821182	16.86087	-0.01581	0.207672	-0.07613	0.939319	0.999277
0.887409	0.978595482	168.8198	-0.06641	0.169507	-0.39179	0.695214	0.999277
0.552285	0.880447357	291.2441	0.008531	0.144192	0.059165	0.95282	0.999277
0.867964	0.974472542	514.1464	-0.06834	0.122194	-0.55931	0.575953	0.999277
0.887409	0.978595482	168.4055	-0.06653	0.169489	-0.39256	0.694648	0.999277
0.709831	0.934993152	19.2577	-0.08339	0.20715	-0.40254	0.687283	0.999277
0.020536	0.226793171	417.2918	-0.25867	0.139389	-1.85573	0.063492	0.774966
0.942085	0.988669996	143.3373	-0.04606	0.17405	-0.26464	0.791288	0.999277
0.518455	0.864226816	94.47029	-0.12928	0.188576	-0.68557	0.492985	0.999277
0.587232	0.894310786	24.85537	0.005886	0.215865	0.027268	0.978246	0.999277
0.206513	0.6538994	291.1029	-0.18394	0.146629	-1.25446	0.209675	0.999277
0.976023	0.996295705	48.41046	-0.05411	0.212056	-0.25518	0.798587	0.999277
0.828047	0.96298107	362.1008	-0.07086	0.141971	-0.49913	0.617685	0.999277
0.068307	0.419928815	189.4483	0.102769	0.173646	0.591834	0.553962	0.999277
0.374556	0.787458382	4253.47	-0.1612	0.108761	-1.48212	0.13831	0.963238
0.156452	0.595337949	302.702	0.121468	0.147848	0.821573	0.41132	0.999277
0.67559	0.927604313	59.8881	0.009283	0.206126	0.045038	0.964077	0.999277
0.15465	0.591966435	625.6139	0.053876	0.132495	0.406631	0.684279	0.999277
0.777378	0.950382298	60.42021	-0.07528	0.207179	-0.36335	0.716342	0.999277
0.722694	0.937706262	84.06812	-0.01527	0.198434	-0.07696	0.938653	0.999277
0.949321	0.991148678	46.46436	-0.06045	0.212142	-0.28497	0.775667	0.999277
0.259762	0.704211455	12.29049	0.109341	0.18677	0.585429	0.558259	0.999277
0.37021	0.785063019	34.48597	0.049362	0.216917	0.227562	0.819987	0.999277
0.316635	0.749505595	292.5959	0.033066	0.145756	0.226862	0.820531	0.999277
0.570343	0.888935841	788.6266	-0.01517	0.113712	-0.13339	0.893885	0.999277
0.729596	0.938791295	46.97973	-0.08545	0.213422	-0.40036	0.688893	0.999277
0.327437	0.754803522	165.1149	0.018616	0.166479	0.111822	0.910965	0.999277
0.459886	0.832372815	26.4974	0.047599	0.216187	0.220174	0.825736	0.999277
0.396945	0.797477006	9.873645	0.040181	0.192985	0.20821	0.835065	0.999277
0.82705	0.962625456	43.77919	-0.03195	0.213299	-0.14978	0.880938	0.999277
0.613451	0.905484683	296.1313	-0.10906	0.150953	-0.72247	0.470006	0.999277
0.597059	0.897840318	460.0837	-0.02529	0.125986	-0.20073	0.840912	0.999277
0.916577	0.98454795	345.9218	-0.04495	0.141098	-0.31858	0.750043	0.999277
0.11183	0.517065142	145.8915	-0.16368	0.172691	-0.94781	0.343228	0.999277
0.780727	0.951539521	19.27362	-0.08682	0.212598	-0.40838	0.682998	0.999277
0.392975	0.795485504	86.01076	0.010838	0.194988	0.055586	0.955672	0.999277
0.740449	0.940232174	187.5124	-0.02131	0.173457	-0.12283	0.902244	0.999277
0.917248	0.98454795	116.1039	-0.06081	0.189712	-0.32053	0.748564	0.999277
0.113144	0.518563319	28.46255	0.124888	0.216565	0.576675	0.564159	0.999277
0.423023	0.813018831	32.16038	0.009673	0.216822	0.044611	0.964418	0.999277
0.008575	0.14072861	252.1617	0.150785	0.149596	1.007953	0.313477	0.999277
0.188053	0.635584592	89.46467	0.04469	0.194777	0.229444	0.818523	0.999277
0.894157	0.979690542	86.72734	-0.03482	0.195932	-0.17771	0.858952	0.999277
0.354602	0.774326904	528.4234	-0.12353	0.141559	-0.87262	0.382873	0.999277
0.032667	0.289755825	183.787	0.056699	0.184482	0.307339	0.758585	0.999277
0.634909	0.91246753	47.39461	-0.10338	0.215281	-0.48023	0.631063	0.999277

0.660788	0.923542123	225.8056	0.007257	0.160902	0.045101	0.964027	0.999277
0.994728	0.998654685	115.8928	-0.05313	0.194393	-0.2733	0.784621	0.999277
0.641344	0.914411444	13.65883	-0.01093	0.202432	-0.05399	0.956946	0.999277
0.116661	0.526037829	343.0928	-0.15021	0.141296	-1.06308	0.287745	0.999277
0.118279	0.528824053	468.9005	0.057955	0.139527	0.415372	0.677869	0.999277
0.544303	0.875219687	13.78587	-0.11108	0.202386	-0.54886	0.583105	0.999277
0.697846	0.93369059	48.44191	-0.01281	0.215573	-0.05944	0.952601	0.999277
0.911236	0.983804869	92.57856	-0.04309	0.190675	-0.22597	0.821226	0.999277
0.195332	0.641175643	8.772975	0.076524	0.18793	0.407193	0.683867	0.999277
0.844938	0.967713968	222.8718	-0.07365	0.156777	-0.46975	0.638532	0.999277
0.495834	0.853814273	56.49825	0.019912	0.212323	0.09378	0.925284	0.999277
0.421122	0.812024774	91.64035	0.005039	0.197397	0.025528	0.979634	0.999277
0.764674	0.947560599	120.8972	-0.08658	0.179221	-0.48307	0.629046	0.999277
0.685582	0.931172733	59.04634	-0.02097	0.205222	-0.10217	0.918625	0.999277
0.629524	0.910993455	640.5206	-0.01656	0.128396	-0.12896	0.897392	0.999277
0.292153	0.732273637	9.692087	-0.13249	0.170228	-0.7783	0.436391	0.999277
0.869662	0.975011477	53.50112	-0.03273	0.208859	-0.15673	0.875456	0.999277
0.23989	0.688236474	543.0603	-0.12438	0.130742	-0.95134	0.34143	0.999277
0.698833	0.933914128	544.27	-0.01692	0.14393	-0.11753	0.906438	0.999277
0.317256	0.750019078	103.8842	0.011178	0.187985	0.059461	0.952585	0.999277
0.468857	0.839330385	140.0713	-0.15714	0.200883	-0.78226	0.434063	0.999277
0.228236	0.677661951	36.84706	0.056514	0.215474	0.262279	0.793107	0.999277
0.197186	0.643974511	1142.835	-0.14611	0.112156	-1.30277	0.192655	0.999277
0.356319	0.774871619	33.52299	0.033312	0.216998	0.153513	0.877994	0.999277
0.957253	0.993011151	570.0046	-0.05851	0.14493	-0.40372	0.686421	0.999277
0.633206	0.912361613	190.0659	-0.01115	0.160441	-0.0695	0.94459	0.999277
0.798987	0.956480844	38.29278	-0.0319	0.215673	-0.14791	0.882412	0.999277
0.194068	0.639485442	134.9156	-0.16165	0.188636	-0.85692	0.391487	0.999277
0.590238	0.895584283	301.5567	-0.00296	0.151825	-0.01947	0.984464	0.999277
0.224578	0.674591185	186.9619	0.036492	0.164818	0.221409	0.824774	0.999277
0.834087	0.964463864	101.6476	-0.07738	0.189973	-0.40731	0.683783	0.999277
0.885306	0.977636737	23.01849	-0.0699	0.215573	-0.32423	0.74576	0.999277
0.683084	0.93032421	107.9883	-0.11227	0.182239	-0.61604	0.537869	0.999277
0.217953	0.668667303	101.4689	0.094841	0.193967	0.488956	0.624873	0.999277
0.305804	0.741541601	17.80123	0.052307	0.199473	0.262224	0.793149	0.999277
0.275163	0.716915261	234.9998	0.033475	0.16269	0.205759	0.836979	0.999277
0.568072	0.888146309	38.08837	-0.11917	0.215877	-0.55203	0.580928	0.999277
0.253776	0.699716569	296.9918	-0.14943	0.157896	-0.9464	0.343945	0.999277
0.743544	0.940717284	11.44287	-0.08472	0.19587	-0.43255	0.665345	0.999277
0.374487	0.787458382	64.93119	0.063918	0.207653	0.307813	0.758225	0.999277
0.401566	0.799749836	28.41863	0.035437	0.216784	0.163467	0.870151	0.999277
0.699892	0.933914128	11.43085	-0.00824	0.151154	-0.0545	0.956533	0.999277
0.330693	0.757288206	471.5115	-0.16665	0.145008	-1.14922	0.250466	0.999277
0.136218	0.562678996	326.7246	-0.252	0.141191	-1.78485	0.074285	0.809906
0.301112	0.739126568	197.4735	0.030664	0.165846	0.184892	0.853314	0.999277
0.484875	0.84842492	85.61245	0.046347	0.193627	0.239364	0.810823	0.999277
0.045859	0.344757485	40.06935	0.159664	0.215024	0.742541	0.45776	0.999277
0.590712	0.895697175	97.2443	-0.10082	0.187939	-0.53643	0.591665	0.999277
0.728122	0.938587002	359.2509	-0.09781	0.14739	-0.66361	0.506939	0.999277
0.975199	0.996034757	166.3485	-0.05721	0.165283	-0.34616	0.729225	0.999277
0.760545	0.946044977	133.5805	-0.09238	0.1884	-0.49035	0.623887	0.999277
0.005885	0.11400287	283.1199	0.261548	0.149519	1.749261	0.080246	0.828748

0.936427	0.986885744	106.098	-0.06094	0.190853	-0.31929	0.749509	0.999277
0.767552	0.948582884	14.66698	-0.01349	0.189885	-0.07106	0.943347	0.999277
0.296796	0.735498118	111.4895	-0.15071	0.18353	-0.82118	0.411546	0.999277
0.357903	0.776142565	91.2287	0.038369	0.191042	0.200842	0.840822	0.999277
0.864868	0.973827576	67.94911	-0.07244	0.206044	-0.35157	0.725164	0.999277
0.734037	0.938791295	236.4649	-0.00613	0.15052	-0.04073	0.967515	0.999277
0.779207	0.951375028	43.46853	-0.07936	0.214153	-0.3706	0.710937	0.999277
0.556454	0.882675674	99.69239	0.001838	0.195075	0.009423	0.992482	0.999277
0.037502	0.314484407	71.68174	-0.23202	0.202308	-1.14685	0.251446	0.999277
0.838603	0.96567072	80.1566	-0.07516	0.198583	-0.37847	0.705079	0.999277
0.508476	0.858925869	132.3963	0.011935	0.179021	0.066666	0.946848	0.999277
0.09953	0.492051317	439.055	0.109136	0.147412	0.740348	0.459089	0.999277
0.705693	0.93479128	20.16429	-0.0081	0.212205	-0.03818	0.969543	0.999277
0.704932	0.934710222	65.7699	-0.10949	0.205648	-0.53239	0.594454	0.999277
0.938098	0.987599842	286.9248	-0.06502	0.145391	-0.44721	0.654723	0.999277
0.09114	0.474462393	51.20616	0.06569	0.211444	0.310673	0.756049	0.999277
0.822811	0.961436518	70.2555	-0.03508	0.20267	-0.17308	0.862586	0.999277
0.47638	0.84304528	437.824	-0.01126	0.128597	-0.08758	0.930211	0.999277
0.562953	0.885085584	427.9561	-0.01385	0.136758	-0.10128	0.919331	0.999277
0.320662	0.751189289	45.14451	-0.18166	0.212637	-0.85431	0.392935	0.999277
0.317817	0.750019078	87.2192	0.027066	0.196887	0.137471	0.890659	0.999277
0.221447	0.67182881	11.83942	0.07129	0.198039	0.359977	0.718864	0.999277
0.206414	0.653887348	74.93805	-0.18457	0.202088	-0.91331	0.36108	0.999277
0.54915	0.878363321	525.853	-0.09277	0.140176	-0.66183	0.508083	0.999277
0.302493	0.739758551	546.2079	-0.1137	0.131458	-0.86489	0.387099	0.999277
0.983342	0.997439038	33.24521	-0.05454	0.216858	-0.25151	0.801419	0.999277
0.714126	0.935646775	679.575	-0.02262	0.125281	-0.18055	0.856717	0.999277
0.377268	0.788723282	20.9676	0.012415	0.212671	0.058377	0.953448	0.999277
0.396262	0.797158594	35.59427	0.044199	0.216863	0.203811	0.838501	0.999277
0.902927	0.98194044	60.56965	-0.04464	0.210671	-0.21191	0.832177	0.999277
0.293997	0.73372919	819.1846	0.061271	0.135973	0.450611	0.65227	0.999277
0.148182	0.580458144	350.0464	0.074795	0.13575	0.550978	0.581649	0.999277
0.304725	0.740457514	82.96546	0.030603	0.200218	0.152849	0.878517	0.999277
0.101653	0.497206985	183.1	0.050894	0.173877	0.292704	0.769749	0.999277
0.881583	0.97678025	44.48019	-0.07922	0.214677	-0.36902	0.712112	0.999277
0.480373	0.846258076	67.37047	0.00713	0.213457	0.033404	0.973352	0.999277
0.325371	0.754238284	30.39014	0.082049	0.216465	0.379041	0.704658	0.999277
0.760854	0.946078171	11.05298	-0.01787	0.196436	-0.09097	0.927515	0.999277
0.657008	0.921341052	34.90702	-0.01518	0.217004	-0.06994	0.944242	0.999277
0.249022	0.696015371	91.06549	0.087204	0.192451	0.453123	0.65046	0.999277
0.896642	0.980340433	51.01656	-0.07208	0.212244	-0.3396	0.734157	0.999277
0.813867	0.95936212	622.9354	-0.08316	0.139685	-0.59534	0.551613	0.999277
0.039967	0.324878518	117.8237	0.066563	0.180595	0.368575	0.712445	0.999277
0.528907	0.86938189	28.53409	0.021023	0.216828	0.096958	0.922759	0.999277
0.335366	0.759008088	101.7628	0.053862	0.185366	0.290574	0.771377	0.999277
0.905617	0.982337683	158.4097	-0.04992	0.173793	-0.28723	0.77394	0.999277
0.084078	0.457758486	500.8411	0.136877	0.14296	0.95745	0.33834	0.999277
0.999184	0.999408057	30.2438	-0.05826	0.216911	-0.26861	0.788229	0.999277
0.31406	0.747208845	54.21488	-0.17897	0.210104	-0.85181	0.39432	0.999277
0.395975	0.797139123	26.27094	0.064798	0.216572	0.2992	0.764788	0.999277
0.87196	0.975692252	129.5873	-0.03769	0.183962	-0.20486	0.83768	0.999277
0.73117	0.938791295	40.61329	-0.10384	0.214139	-0.4849	0.627749	0.999277

0.669967	0.925403052	168.2522	-0.09513	0.17248	-0.55156	0.581251	0.999277
0.826464	0.962521459	248.2251	-0.08294	0.162254	-0.5112	0.609213	0.999277
0.022061	0.236667673	43.29455	0.106143	0.213746	0.496586	0.619481	0.999277
0.810422	0.958353056	205.3391	-0.07989	0.170819	-0.4677	0.639998	0.999277
0.402453	0.799980829	471.9871	0.010167	0.14864	0.068398	0.945468	0.999277
0.636458	0.912524658	67.46063	-0.00557	0.211925	-0.0263	0.979019	0.999277
0.631495	0.911456731	74.32792	-0.10059	0.20122	-0.49989	0.617156	0.999277
0.671327	0.926357318	108.1684	-0.02387	0.19382	-0.12316	0.901978	0.999277
0.685183	0.931172733	225.0392	-0.09009	0.151189	-0.59585	0.551276	0.999277
0.808313	0.958353056	9.033337	-0.08821	0.184712	-0.47758	0.63295	0.999277
0.070936	0.425044249	884.4745	-0.21879	0.13514	-1.61898	0.105451	0.903164
0.017044	0.203603882	11.36775	-0.3454	0.197101	-1.75242	0.079701	0.826776
0.229174	0.679390649	355.1582	0.009584	0.137649	0.069624	0.944493	0.999277
0.122548	0.535500153	343.3092	-0.21915	0.165262	-1.32608	0.184812	0.999277
0.869185	0.974861224	216.4162	-0.07226	0.193869	-0.37275	0.709337	0.999277
0.753515	0.943888814	240.0549	-0.10289	0.161939	-0.63538	0.525179	0.999277
0.208428	0.656690788	38.01579	0.112936	0.216028	0.522783	0.601125	0.999277
0.715443	0.935646775	29.62633	-0.01742	0.216615	-0.08042	0.935901	0.999277
0.526832	0.868304398	260.1964	-0.01496	0.146894	-0.10185	0.918875	0.999277
0.670614	0.925833209	109.8059	-0.00217	0.182709	-0.01185	0.990545	0.999277
0.267385	0.710421753	512.1353	0.029688	0.135103	0.219745	0.82607	0.999277
0.679568	0.928687921	14.57145	-0.01065	0.202504	-0.05261	0.958047	0.999277
0.227262	0.676705235	48.90231	0.044709	0.211543	0.211344	0.832619	0.999277
0.50961	0.859972228	12.24837	0.033998	0.19466	0.174654	0.861352	0.999277
0.953519	0.992357094	266.5562	-0.06362	0.147252	-0.43203	0.665722	0.999277
0.364414	0.781659031	90.35869	0.023902	0.197696	0.120904	0.903767	0.999277
0.077519	0.441498361	103.1231	0.149478	0.187451	0.797426	0.425204	0.999277
0.485233	0.84842492	32.95367	0.042227	0.217009	0.194588	0.845716	0.999277
0.33802	0.760786499	9.317504	-0.19907	0.147669	-1.34809	0.177629	0.999277
0.875643	0.975929662	128.5113	-0.07817	0.181381	-0.43096	0.666496	0.999277
0.672209	0.926713997	40.51491	-0.0965	0.21553	-0.44771	0.65436	0.999277
0.105912	0.504893086	1109.519	-0.1877	0.114907	-1.63349	0.102366	0.899753
0.596997	0.897840318	49.21025	-0.10425	0.213681	-0.48789	0.625631	0.999277
0.142397	0.571875272	139.8561	0.116622	0.180816	0.644973	0.518945	0.999277
0.474638	0.842114432	270.3081	-0.01482	0.151391	-0.09788	0.922027	0.999277
0.321347	0.751563358	359.6835	0.015274	0.138836	0.110018	0.912395	0.999277
0.818788	0.959981155	562.1516	-0.07938	0.132482	-0.59918	0.549054	0.999277
0.227321	0.676705235	13.76068	-0.17361	0.202629	-0.85681	0.391551	0.999277
0.934063	0.986607773	1819.419	-0.07083	0.100987	-0.70136	0.483081	0.999277
0.599865	0.898993255	390.5184	-0.00534	0.141616	-0.03767	0.969947	0.999277
0.807567	0.958353056	102.8308	-0.08686	0.198013	-0.43863	0.660928	0.999277
0.078796	0.445187123	50.50026	0.131798	0.213749	0.616603	0.537496	0.999277
0.561119	0.884505763	28.5679	-0.01113	0.216939	-0.0513	0.959083	0.999277
0.332672	0.758489702	288.552	0.030423	0.155231	0.195983	0.844623	0.999277
0.751252	0.942821163	34.32327	-0.02594	0.216998	-0.11954	0.904846	0.999277
0.979998	0.996602004	101.3629	-0.05828	0.199884	-0.29158	0.770611	0.999277
0.962741	0.994289023	69.67367	-0.06426	0.204255	-0.3146	0.753065	0.999277
0.486948	0.849704907	92.14724	0.017087	0.193816	0.088162	0.929748	0.999277
0.929939	0.98582665	188.3806	-0.06957	0.166215	-0.41855	0.675549	0.999277
0.527402	0.868744883	228.6756	0.006054	0.159628	0.037926	0.969747	0.999277
0.657438	0.921426159	280.9576	-0.02795	0.161659	-0.17292	0.862716	0.999277
0.328661	0.755404931	91.25939	0.027006	0.197305	0.136876	0.891129	0.999277

0.225145	0.674929578	516.3253	0.069805	0.128531	0.543101	0.587061	0.999277
0.639978	0.914080615	63.83578	-0.02662	0.203902	-0.13053	0.896143	0.999277
0.865609	0.974238603	168.3909	-0.07456	0.164513	-0.45319	0.650414	0.999277
0.955004	0.992605014	45.74087	-0.05444	0.216363	-0.25163	0.80133	0.999277
0.438676	0.819957596	225.4001	-0.11883	0.163427	-0.72713	0.467144	0.999277
0.185483	0.631890551	283.3222	-0.18744	0.164771	-1.13757	0.255299	0.999277
0.942272	0.988723893	33.74278	-0.05434	0.216533	-0.25097	0.80184	0.999277
0.788337	0.954284925	486.0398	-0.03661	0.144504	-0.25332	0.800024	0.999277
0.779019	0.951367798	263.4561	-0.02824	0.155184	-0.18199	0.85559	0.999277
0.607869	0.903740551	37.75422	-0.10341	0.215946	-0.47888	0.632023	0.999277
0.61606	0.9063422	131.7841	-0.1092	0.174917	-0.62428	0.532446	0.999277
0.406672	0.801957174	24.50153	-0.18169	0.204296	-0.88936	0.37381	0.999277
0.965433	0.994841882	32.70058	-0.0548	0.216619	-0.25299	0.800272	0.999277
0.493268	0.852802998	135.2303	-0.01702	0.181865	-0.09358	0.92544	0.999277
0.898073	0.980923145	23.95206	-0.08002	0.21564	-0.37106	0.710592	0.999277
0.802164	0.956855879	9.729727	-0.03448	0.188389	-0.18304	0.854768	0.999277
0.400048	0.799749836	616.9849	-0.16759	0.130863	-1.28067	0.20031	0.999277
0.971268	0.99553873	35.55841	-0.05643	0.216678	-0.26043	0.794535	0.999277
0.040991	0.329086972	201.0944	-0.25495	0.160291	-1.59051	0.111719	0.921444
0.069475	0.422124447	60.84868	0.110877	0.215133	0.515388	0.606282	0.999277
0.594585	0.896527484	132.0361	-0.12943	0.196398	-0.65901	0.509887	0.999277
0.786354	0.953569249	212.5087	-0.03602	0.155217	-0.23206	0.816489	0.999277
0.84315	0.967248572	11.20248	-0.03974	0.196166	-0.20259	0.839459	0.999277
0.411262	0.804762826	37.62818	-0.13563	0.215934	-0.62809	0.529944	0.999277
0.627964	0.910411376	202.6235	0.000197	0.15801	0.001245	0.999006	0.999986
0.878455	0.976223954	77.93689	-0.07507	0.197939	-0.37928	0.704478	0.999277
0.362387	0.780559211	318.3892	0.027876	0.148175	0.188127	0.850777	0.999277
0.035833	0.306225078	37.5922	0.208912	0.216481	0.965036	0.334527	0.999277
0.461232	0.833822615	73.31212	-0.16944	0.199913	-0.84759	0.396664	0.999277
0.700209	0.933914128	67.8254	-0.03037	0.200969	-0.15113	0.879872	0.999277
0.966172	0.994967341	17.21464	-0.05772	0.210229	-0.27455	0.783662	0.999277
0.297063	0.735610983	358.0574	0.03974	0.17274	0.230056	0.818048	0.999277
0.564074	0.885572292	496.2868	-0.01925	0.139635	-0.13786	0.890349	0.999277
0.244715	0.693029698	9.722716	0.107206	0.178324	0.601184	0.547718	0.999277
0.936682	0.986885744	126.685	-0.05361	0.182728	-0.29341	0.769212	0.999277
0.802999	0.957090635	40.60202	-0.09376	0.215663	-0.43477	0.663732	0.999277
0.3781	0.78898728	320.3647	0.033212	0.150369	0.220867	0.825196	0.999277
0.377149	0.788723282	255.1801	-0.1571	0.18732	-0.83869	0.401643	0.999277
0.454587	0.82909895	111.4121	-0.12638	0.180933	-0.69847	0.484884	0.999277
0.502651	0.856224864	537.2304	0.00588	0.128725	0.045677	0.963568	0.999277
0.374921	0.787458382	99.764	0.047497	0.187862	0.252828	0.800401	0.999277
0.05775	0.387718628	65.73337	0.206146	0.206243	0.999527	0.317539	0.999277
0.06322	0.404949474	161.8493	-0.16754	0.165843	-1.01025	0.312377	0.999277
0.692124	0.93199138	49.61209	-0.01855	0.210207	-0.08825	0.929674	0.999277
0.922331	0.985704596	42.5098	-0.06999	0.213886	-0.32723	0.743495	0.999277
0.795697	0.95546283	54.65702	-0.04456	0.207988	-0.21423	0.830371	0.999277
0.241728	0.689435681	79.50239	0.070666	0.198574	0.355867	0.72194	0.999277
0.463281	0.835155013	180.4841	0.042809	0.166223	0.257536	0.796765	0.999277
0.775079	0.950087614	103.2256	-0.08608	0.199293	-0.43194	0.665782	0.999277
0.733802	0.938791295	88.40015	-0.09881	0.197614	-0.50003	0.617053	0.999277
0.984878	0.997439038	215.6603	-0.06468	0.168588	-0.38368	0.701218	0.999277
0.586241	0.894127733	34.96937	-0.13762	0.216609	-0.63535	0.525202	0.999277

0.871072	0.975586031	553.8208	-0.04594	0.129353	-0.35515	0.722474	0.999277
0.034343	0.299843039	364.2351	0.109711	0.141111	0.777476	0.436878	0.999277
0.64944	0.918644615	143.7986	-0.02899	0.178099	-0.1628	0.870679	0.999277
0.899744	0.981243428	64.96921	-0.04883	0.215571	-0.22652	0.820799	0.999277
0.94729	0.990489802	230.7674	-0.05833	0.155808	-0.3744	0.708106	0.999277
0.073878	0.432313991	28.31348	0.159311	0.216339	0.736393	0.461492	0.999277
0.451674	0.827016761	281.5531	-0.02126	0.144361	-0.14724	0.882946	0.999277
0.623413	0.907988155	212.6244	-0.10659	0.186728	-0.57081	0.568126	0.999277
0.485445	0.84842492	110.2836	-0.13942	0.199503	-0.69883	0.484656	0.999277
0.727329	0.938587002	166.4242	-0.10151	0.178649	-0.5682	0.569902	0.999277
0.783719	0.952780452	1747331	-0.02425	0.122406	-0.19814	0.842932	0.999277
0.806377	0.958353056	277.5135	-0.04068	0.145969	-0.2787	0.780475	0.999277
0.412094	0.805444749	101.3912	0.021291	0.193995	0.109752	0.912606	0.999277
0.906992	0.982337683	510.4098	-0.05131	0.139727	-0.36719	0.713475	0.999277
0.711428	0.935646775	158.2875	-0.02539	0.169732	-0.14957	0.881106	0.999277
0.101513	0.497043866	28.70045	-0.29902	0.216957	-1.37826	0.168123	0.999277
0.536407	0.872707347	64.93119	-0.00404	0.20544	-0.01967	0.984308	0.999277
0.800421	0.956574326	38910.04	-0.0894	0.117849	-0.75861	0.448088	0.999277
0.433818	0.817250644	46.94698	0.006614	0.214707	0.030806	0.975424	0.999277
0.663241	0.924637662	68.29071	-0.02735	0.203445	-0.13446	0.893041	0.999277
0.956494	0.992890875	10.38895	-0.072	0.191791	-0.3754	0.707361	0.999277
0.207499	0.655474405	83.17552	0.041679	0.198117	0.210376	0.833374	0.999277
0.292862	0.733087457	133.1526	-0.00356	0.177723	-0.02005	0.984005	0.999277
0.587817	0.894310786	60.80144	-0.01637	0.209161	-0.07826	0.937618	0.999277
0.551375	0.880267949	18.63347	0.004339	0.20414	0.021254	0.983043	0.999277
0.886377	0.977977772	141.024	-0.05272	0.192343	-0.27408	0.784019	0.999277
0.252589	0.698438177	88.14976	-0.17698	0.205013	-0.86327	0.387987	0.999277
0.340537	0.763525389	386.1136	-0.14782	0.149655	-0.98776	0.32327	0.999277
0.559174	0.883647729	106.1024	0.001793	0.188639	0.009503	0.992418	0.999277
0.750812	0.942711807	29.90537	-0.02304	0.214406	-0.10746	0.914427	0.999277
0.301136	0.739126568	113.3919	0.017678	0.193699	0.091263	0.927284	0.999277
0.40853	0.802722163	129.8053	0.015796	0.181561	0.087004	0.930669	0.999277
0.258234	0.702821884	15.22428	0.090694	0.191628	0.473281	0.636013	0.999277
0.091864	0.476131203	22.80415	-0.24022	0.215149	-1.11654	0.264192	0.999277
0.466536	0.837409316	109.1334	-0.02174	0.186983	-0.11628	0.907431	0.999277
0.958186	0.993016963	964.0575	-0.05994	0.115239	-0.52018	0.602941	0.999277
0.82327	0.961633495	220.5301	-0.08051	0.163002	-0.49391	0.621369	0.999277
0.689299	0.931451227	257.5399	-0.01965	0.162772	-0.12073	0.903908	0.999277
0.969091	0.99553873	381.9948	-0.06187	0.135828	-0.45548	0.648764	0.999277
0.630638	0.911456731	191.5981	-0.01534	0.171919	-0.08923	0.928897	0.999277
0.140493	0.570810638	48.62672	0.076963	0.214389	0.358985	0.719607	0.999277
0.646924	0.917243642	175.9143	-0.11508	0.174725	-0.65866	0.510114	0.999277
0.733936	0.938791295	360.5616	-0.08303	0.14088	-0.5894	0.555595	0.999277
0.883407	0.976958449	133.1824	-0.04681	0.184124	-0.25425	0.799301	0.999277
0.773799	0.949821182	116.3767	-0.10035	0.184823	-0.54298	0.587147	0.999277
0.817398	0.959821979	581.5477	-0.09552	0.147811	-0.64625	0.518118	0.999277
0.484784	0.84842492	78.5961	0.020403	0.199129	0.102461	0.918391	0.999277
0.779539	0.951422339	29.55688	-0.02598	0.216513	-0.12001	0.904478	0.999277
0.35472	0.774326904	158.3753	-0.13727	0.167635	-0.81884	0.412879	0.999277
0.724402	0.9379278	24.26173	-0.09148	0.216239	-0.42303	0.672274	0.999277
0.405659	0.801779895	8.69405	0.05547	0.178484	0.310785	0.755964	0.999277
0.908287	0.982479562	85.1271	-0.0764	0.200461	-0.38113	0.703106	0.999277

0.790609	0.954486972	185.0837	-0.08982	0.166518	-0.53941	0.589602	0.999277
0.493359	0.852802998	178.5884	0.012055	0.168999	0.07133	0.943135	0.999277
0.475677	0.842615941	113.0689	-0.13258	0.182605	-0.72604	0.467816	0.999277
0.524016	0.867549282	133.2744	-0.01717	0.19207	-0.08941	0.928759	0.999277
0.904212	0.982337683	82.07105	-0.05595	0.193908	-0.28851	0.772954	0.999277
0.903677	0.982259726	60.53519	-0.08093	0.205371	-0.39406	0.69354	0.999277
0.639129	0.913617734	171.9602	-0.1046	0.163431	-0.64005	0.522139	0.999277
0.997	0.998970767	855.3456	-0.06685	0.116073	-0.57591	0.564679	0.999277
0.438359	0.819745382	54.42107	-0.14595	0.209653	-0.69614	0.48634	0.999277
0.060813	0.397109073	26.71281	0.081764	0.214812	0.380631	0.703477	0.999277
0.976353	0.996317022	94.98954	-0.06267	0.19579	-0.32008	0.748911	0.999277
0.000761	0.031014855	306.0159	-0.26459	0.154778	-1.70945	0.087367	0.847806
0.09012	0.472773953	180.7569	0.041012	0.168368	0.243586	0.807552	0.999277
0.135273	0.560855153	34.34016	0.078548	0.21631	0.363126	0.716511	0.999277
0.661444	0.923825455	190.0713	-0.01904	0.164467	-0.11578	0.907825	0.999277
0.485228	0.84842492	119.6599	-0.15841	0.186716	-0.84838	0.396228	0.999277
0.534567	0.872130388	629.5773	-0.1231	0.119108	-1.03352	0.301362	0.999277
0.804206	0.957461615	21.10478	-0.09482	0.214428	-0.44219	0.658349	0.999277
0.793563	0.955328559	126.8623	-0.10089	0.186595	-0.54071	0.588709	0.999277
0.424152	0.813996405	25.12784	0.046935	0.215173	0.218124	0.827332	0.999277
0.715394	0.935646775	351.5084	-0.01677	0.136006	-0.12327	0.90189	0.999277
0.717692	0.935996695	96.21444	-0.10531	0.189051	-0.55702	0.577512	0.999277
0.073777	0.43215687	47.80531	0.179963	0.21565	0.834511	0.403993	0.999277
0.073777	0.43215687	47.80589	0.179943	0.215652	0.834415	0.404047	0.999277
0.845003	0.967713968	137.4034	-0.09223	0.178555	-0.51654	0.605476	0.999277
0.530677	0.869947789	23.43488	-0.01296	0.214419	-0.06046	0.951789	0.999277
0.900307	0.981243428	87.76385	-0.08173	0.196024	-0.41696	0.676707	0.999277
0.158703	0.596830002	159.229	-0.19228	0.175401	-1.09621	0.272989	0.999277
0.753739	0.943904156	85.16527	-0.1047	0.210494	-0.4974	0.618906	0.999277
0.933888	0.986607773	74.02643	-0.05917	0.206556	-0.28645	0.774534	0.999277
0.711556	0.935646775	127.3566	-0.09279	0.181356	-0.51163	0.608908	0.999277
0.59044	0.895584283	148.4414	-0.12273	0.171478	-0.7157	0.474177	0.999277
0.908553	0.982654576	173.7192	-0.05569	0.161792	-0.34423	0.73067	0.999277
0.149884	0.5829813	587.7323	0.054188	0.149641	0.362123	0.71726	0.999277
0.899976	0.981243428	19.01776	-0.08071	0.212998	-0.37891	0.704753	0.999277
0.07039	0.42433736	111.2182	0.115108	0.184828	0.622785	0.533426	0.999277
0.761911	0.946504857	53.54489	-0.09819	0.210433	-0.4666	0.640784	0.999277
0.394215	0.796246138	9.63993	0.032956	0.191104	0.172449	0.863085	0.999277
0.831724	0.963528861	92.37172	-0.05134	0.190873	-0.26898	0.787942	0.999277
0.614856	0.905900033	616.2632	0.003029	0.137555	0.022018	0.982434	0.999277
0.476993	0.84304528	23.57481	-0.16761	0.213125	-0.78642	0.431622	0.999277
0.515024	0.86280633	41.70803	-0.01371	0.215198	-0.06373	0.949189	0.999277
0.615507	0.906204018	357.0018	-0.12631	0.137042	-0.9217	0.356684	0.999277
0.803128	0.957127223	170.3984	-0.09999	0.171269	-0.58384	0.559329	0.999277
0.070225	0.423979758	170.6099	0.066121	0.168526	0.392348	0.694801	0.999277
0.508531	0.858925869	321.0118	0.020088	0.154525	0.129998	0.896568	0.999277
0.991106	0.998538548	497.6768	-0.06911	0.130327	-0.53028	0.595917	0.999277
0.032606	0.289576909	741.7173	0.211175	0.118678	1.779385	0.075177	0.812229
0.637592	0.912787264	608.1624	-0.01844	0.117728	-0.15661	0.875553	0.999277
0.283176	0.724274556	30.35731	0.083427	0.216905	0.384625	0.700515	0.999277
0.16613	0.605328888	160.6692	-0.17949	0.167704	-1.07029	0.284489	0.999277
0.705724	0.93479128	176.4775	-0.03379	0.170952	-0.19765	0.843322	0.999277

0.837882	0.965547986	53.14191	-0.0414	0.210722	-0.19645	0.84426	0.999277
0.787018	0.953820064	99.25387	-0.04674	0.187625	-0.24914	0.803254	0.999277
0.595632	0.896810505	28.38604	-0.00592	0.216024	-0.02743	0.978119	0.999277
0.19887	0.645843496	118.6073	0.032109	0.182637	0.175809	0.860444	0.999277
0.880826	0.97665167	174.1956	-0.04883	0.173455	-0.28153	0.7783	0.999277
0.416422	0.808586329	64.44688	0.010987	0.202392	0.054286	0.956707	0.999277
0.564392	0.885785174	154.3162	-0.00358	0.166499	-0.0215	0.982848	0.999277
0.144921	0.574915868	97.75934	-0.21189	0.193264	-1.09636	0.272922	0.999277
0.168228	0.608580243	192.7482	-0.18108	0.162249	-1.11609	0.264383	0.999277
0.60956	0.903825514	18.21854	-0.12766	0.209805	-0.60845	0.542889	0.999277
0.922867	0.985704596	36.75416	-0.08139	0.216051	-0.37671	0.706392	0.999277
0.076681	0.439587194	794.4068	-0.25968	0.119794	-2.16773	0.030179	0.607634
0.625052	0.908090896	80.29314	-0.03617	0.203785	-0.1775	0.859118	0.999277
0.089835	0.472412873	71.22	0.135257	0.206963	0.653529	0.513415	0.999277
0.235246	0.683594779	152.5358	0.021619	0.17287	0.125061	0.900475	0.999277
0.176055	0.618716863	138.6783	0.073489	0.177132	0.414883	0.678228	0.999277
0.307468	0.743099434	46.19074	0.017163	0.214916	0.079858	0.93635	0.999277
0.786747	0.953755115	102.5112	-0.03676	0.191433	-0.19201	0.847732	0.999277
0.093587	0.479713303	376.2525	-0.18808	0.145163	-1.29567	0.195091	0.999277
0.184185	0.631890551	339.1449	-0.24054	0.162104	-1.48386	0.137847	0.963238
0.571359	0.889477565	216.1977	-0.00804	0.155035	-0.05184	0.958659	0.999277
0.372812	0.786649491	305.2187	-0.02349	0.14692	-0.15987	0.872985	0.999277
0.668547	0.925067398	793.0393	-0.02939	0.132867	-0.22118	0.82495	0.999277
0.578588	0.892245762	121.6246	-0.12584	0.18293	-0.68793	0.491495	0.999277
0.19007	0.637982754	88.1963	-0.26052	0.194033	-1.34268	0.179375	0.999277
0.966536	0.994967341	122.705	-0.06645	0.186654	-0.35602	0.721825	0.999277
0.570127	0.888935841	42.49834	-0.11092	0.214742	-0.51652	0.60549	0.999277
0.021896	0.235633562	1007.373	0.10707	0.118667	0.902275	0.366911	0.999277
0.753492	0.943888814	205.8876	-0.02962	0.196261	-0.15091	0.880049	0.999277
0.412599	0.806200195	30.92633	0.006206	0.217011	0.028598	0.977185	0.999277
0.252492	0.698438177	8.886815	0.074206	0.184308	0.402617	0.68723	0.999277
0.369269	0.784800637	273.7197	-0.17439	0.147581	-1.18166	0.23734	0.999277
0.51658	0.863191046	177.5721	-0.02523	0.169941	-0.14844	0.881997	0.999277
0.705238	0.93479128	47.21389	-0.02356	0.214524	-0.10985	0.912531	0.999277
0.819399	0.960194571	32.11032	-0.09806	0.216996	-0.45188	0.651357	0.999277
0.142831	0.57212597	134.3614	0.045001	0.17911	0.25125	0.801621	0.999277
0.194093	0.639485442	237.8303	0.040356	0.159554	0.25293	0.800322	0.999277
0.707411	0.93479128	129.9149	-0.11224	0.17727	-0.63314	0.526641	0.999277
0.382579	0.790738618	69.61095	0.05744	0.21102	0.2722	0.785468	0.999277
0.857741	0.971994044	17.57836	-0.04813	0.203398	-0.23661	0.812956	0.999277
0.63971	0.913958701	69.00293	-0.03691	0.200696	-0.18391	0.854085	0.999277
0.722368	0.937668081	145.6155	-0.03057	0.174988	-0.17468	0.861333	0.999277
0.494472	0.853073503	41.43001	-0.13598	0.213999	-0.6354	0.525164	0.999277
0.536038	0.872591863	303.2665	-0.13799	0.153509	-0.89893	0.368691	0.999277
0.537453	0.873259923	41.9675	0.007907	0.216881	0.036456	0.970919	0.999277
0.215994	0.667087859	68.12955	0.050891	0.201428	0.252652	0.800537	0.999277
0.76415	0.947461404	277.9069	-0.1028	0.165503	-0.62114	0.534507	0.999277
0.158383	0.596830002	121.1138	-0.22003	0.178881	-1.23003	0.218685	0.999277
0.613802	0.905694439	30.78346	-0.13225	0.216888	-0.60976	0.542021	0.999277
0.406165	0.801957174	141.759	2.94E-05	0.175158	0.000168	0.999866	0.999986
0.842303	0.967031656	592.5619	-0.05454	0.120545	-0.45249	0.650919	0.999277
0.936813	0.986885744	12.40706	-0.08089	0.201268	-0.40191	0.687748	0.999277

0.433636	0.817250644	10.64344	0.008395	0.191601	0.043817	0.96505	0.999277
0.170419	0.611542694	77.72875	0.009681	0.201147	0.04813	0.961613	0.999277
0.182977	0.629886351	16.31558	0.123729	0.209103	0.591712	0.554044	0.999277
0.310497	0.744601141	403.4718	0.039356	0.136965	0.287346	0.773848	0.999277
0.98217	0.997345179	361.3659	-0.07346	0.139297	-0.52734	0.597957	0.999277
0.024418	0.249486288	422.4882	0.124954	0.131821	0.947907	0.343177	0.999277
0.681275	0.929551958	10.52759	-0.12717	0.188545	-0.67448	0.500005	0.999277
0.139942	0.570307689	153.9583	0.057791	0.186594	0.309717	0.756776	0.999277
0.56439	0.885785174	283.2879	-0.00769	0.153515	-0.05009	0.960053	0.999277
0.51627	0.863162089	111.3016	-0.01654	0.188255	-0.08788	0.929971	0.999277
0.444061	0.823180508	49.02422	-0.00814	0.215873	-0.03772	0.969909	0.999277
0.164691	0.603971115	254.942	0.046381	0.147432	0.314592	0.753072	0.999277
0.761911	0.946504857	53.27734	-0.1013	0.210775	-0.48062	0.630789	0.999277
0.119547	0.531245817	167.1542	0.110665	0.204273	0.54175	0.587991	0.999277
0.116474	0.525936613	113.6319	0.017003	0.192593	0.088285	0.92965	0.999277
0.941906	0.988649841	83.12038	-0.07527	0.193631	-0.3887	0.697495	0.999277
0.937462	0.987241827	231.472	-0.05972	0.159357	-0.37477	0.707834	0.999277
0.483302	0.847697088	11.42336	0.003368	0.197417	0.017062	0.986387	0.999277
0.088723	0.469317496	225.6159	0.153469	0.155145	0.989199	0.322566	0.999277
0.476793	0.84304528	10.70767	-0.17495	0.194295	-0.90043	0.36789	0.999277
0.011698	0.167776	42.92483	0.205339	0.216329	0.949201	0.342518	0.999277
0.268097	0.711607308	449.2915	0.015795	0.13142	0.120187	0.904335	0.999277
0.868499	0.974598067	527.831	-0.0925	0.1372	-0.67417	0.500204	0.999277
0.905575	0.982337683	56.55097	-0.05964	0.206503	-0.28881	0.772726	0.999277
0.998315	0.998980571	193.2192	-0.07107	0.157789	-0.45039	0.652426	0.999277
0.625111	0.908090896	274.8228	-0.12269	0.147997	-0.82898	0.407114	0.999277
0.900647	0.981243428	60.74406	-0.08369	0.205608	-0.40702	0.683992	0.999277
0.277538	0.719241383	136.8359	0.030856	0.180423	0.171018	0.86421	0.999277
0.437854	0.819206029	56.57011	-0.1464	0.208074	-0.70361	0.481676	0.999277
0.473637	0.841899731	36.33686	-0.02064	0.216265	-0.09542	0.923981	0.999277
0.509541	0.859972228	78.90957	0.00296	0.196383	0.015074	0.987973	0.999277
0.6871	0.931172733	553.1065	-0.11501	0.161926	-0.71025	0.47755	0.999277
0.597287	0.897840318	153.5221	-0.02453	0.170667	-0.14375	0.885695	0.999277
0.759965	0.945851247	80.73767	-0.04889	0.200163	-0.24426	0.807026	0.999277
0.603644	0.900849787	389.1927	-0.11726	0.142392	-0.82351	0.410218	0.999277
0.395375	0.796836245	219.9442	-0.00329	0.17246	-0.01907	0.984787	0.999277
0.43366	0.817250644	107.1763	-7.43E-05	0.188928	-0.00039	0.999686	0.999986
0.393513	0.795777384	29.85238	0.041281	0.216723	0.190478	0.848934	0.999277
0.527216	0.86864322	5033.927	0.017466	0.104101	0.167781	0.866755	0.999277
0.112774	0.518563319	110.8736	0.150605	0.187334	0.803939	0.421432	0.999277
0.724134	0.937851817	611.5415	-0.04142	0.140046	-0.29575	0.76742	0.999277
0.168986	0.609507589	100.4839	0.098317	0.188588	0.521332	0.602136	0.999277
0.364782	0.781918746	118.3122	-0.14457	0.182213	-0.79339	0.427549	0.999277
0.898497	0.981094455	107.469	-0.08446	0.185671	-0.45489	0.649188	0.999277
0.977012	0.996317022	343.7455	-0.07468	0.153479	-0.48655	0.626577	0.999277
0.011976	0.169924609	18.47522	0.294276	0.202759	1.451362	0.146679	0.977404
0.846309	0.968350774	41.3845	-0.08891	0.214864	-0.41378	0.679038	0.999277
0.98907	0.998538548	145.203	-0.07304	0.182078	-0.40116	0.688306	0.999277
0.954943	0.992605014	26.88289	-0.07809	0.21632	-0.36099	0.718104	0.999277
0.444775	0.823581052	36.68013	0.028038	0.216012	0.1298	0.896725	0.999277
0.20373	0.651964063	32.87675	0.065001	0.216991	0.299554	0.764517	0.999277
0.815622	0.959578957	454.8157	-0.05181	0.127956	-0.40491	0.685547	0.999277

0.499889	0.855024636	307.2968	-0.0287	0.151499	-0.18947	0.849722	0.999277
0.424046	0.813996405	299.307	0.027998	0.14776	0.189484	0.849714	0.999277
0.545326	0.875494617	10.49931	-0.00291	0.192179	-0.01513	0.987932	0.999277
0.671779	0.926476631	84.62972	-0.03499	0.195204	-0.17925	0.857742	0.999277
0.300586	0.738861619	41.78912	0.039064	0.214681	0.181964	0.855611	0.999277
0.398497	0.798846944	44.73949	-0.14846	0.213771	-0.6945	0.487372	0.999277
0.771061	0.94929683	124.6321	-0.04807	0.176874	-0.27176	0.785807	0.999277
0.609457	0.903795926	4812.317	-0.02762	0.098286	-0.28102	0.778693	0.999277
0.941987	0.98865768	36.27411	-0.06399	0.216771	-0.2952	0.767842	0.999277
0.621752	0.907988155	158.1305	-0.12413	0.171168	-0.72518	0.468341	0.999277
0.103786	0.500674655	117.7755	-0.22686	0.187585	-1.20936	0.226523	0.999277
0.435779	0.818229013	176.9249	-0.13407	0.187422	-0.71534	0.474397	0.999277
0.958094	0.993016963	1960.405	-0.07685	0.111701	-0.68799	0.491458	0.999277
0.061504	0.399090452	478.0344	0.067613	0.12599	0.536655	0.591506	0.999277
0.05902	0.391852183	340.0422	0.103441	0.179913	0.574953	0.565323	0.999277
0.01418	0.186006387	192.4149	0.086083	0.16027	0.537112	0.59119	0.999277
0.231654	0.681647826	671.5942	0.020723	0.135026	0.153475	0.878024	0.999277
0.247632	0.695399795	146.883	-0.01234	0.178751	-0.06906	0.944941	0.999277
0.660396	0.923186487	602.6618	-0.10363	0.156904	-0.66045	0.508964	0.999277
0.155733	0.594363605	429.0819	0.086137	0.160875	0.535428	0.592354	0.999277
0.394824	0.79659771	501.4247	-0.02295	0.125419	-0.183	0.8548	0.999277
0.60532	0.902141605	36.32466	-0.1206	0.216835	-0.55616	0.578101	0.999277
0.86793	0.974472542	190.4098	-0.05643	0.17729	-0.31828	0.750272	0.999277
0.910464	0.983347023	87.59694	-0.08585	0.198611	-0.43225	0.665561	0.999277
0.411631	0.805014118	31.44792	-0.18675	0.216378	-0.86309	0.388089	0.999277
0.303818	0.739758551	839.0614	-0.17566	0.114049	-1.54018	0.123518	0.936644
0.188579	0.635905567	117.0413	0.027952	0.193031	0.144803	0.884866	0.999277
0.578437	0.892224608	210.6066	-0.03151	0.157049	-0.20066	0.840964	0.999277
0.926082	0.985704596	31.46234	-0.08214	0.216945	-0.37863	0.70496	0.999277
0.572371	0.88993891	15.60295	0.006682	0.208114	0.032107	0.974387	0.999277
0.729219	0.938791295	159.2564	-0.10652	0.16929	-0.62919	0.529223	0.999277
0.520669	0.86553739	81.54623	-0.00635	0.194661	-0.03263	0.973968	0.999277
0.420276	0.811474138	77.45901	0.016538	0.201943	0.081893	0.934732	0.999277
0.414783	0.807960817	33.84958	-0.17114	0.216975	-0.78873	0.430268	0.999277
0.122623	0.535500153	21.42027	-0.27946	0.214593	-1.3023	0.192814	0.999277
0.722659	0.937706262	98.19842	-0.05019	0.189243	-0.26524	0.790828	0.999277
0.062509	0.40316769	135.5247	0.073105	0.182331	0.400949	0.688458	0.999277
0.341415	0.763927027	81.82749	-0.00201	0.195303	-0.01027	0.991802	0.999277
0.489945	0.85150948	49.73152	-0.01629	0.214502	-0.07594	0.939465	0.999277
0.748473	0.942119652	51.10502	-0.04042	0.211546	-0.19107	0.848469	0.999277
0.791405	0.954486972	119.5964	-0.11234	0.193561	-0.58037	0.561668	0.999277
0.67729	0.927968385	46.31679	-0.02887	0.21191	-0.13626	0.89162	0.999277
0.783779	0.952780452	265.2534	-0.04578	0.15051	-0.30419	0.760981	0.999277
0.630804	0.911456731	171.7686	-0.01499	0.171312	-0.0875	0.930271	0.999277
0.108386	0.510417982	27.59535	0.07086	0.215919	0.328181	0.742775	0.999277
0.795899	0.95546283	63.77729	-0.09524	0.205533	-0.46338	0.643092	0.999277
0.464097	0.835710661	41.55584	-0.14718	0.214966	-0.68465	0.493567	0.999277
0.067342	0.416747554	58.86927	-0.22612	0.207491	-1.08978	0.27581	0.999277
0.24826	0.69561779	496.2519	0.042372	0.150742	0.281089	0.778642	0.999277
0.768511	0.948979185	174.3361	-0.1113	0.174852	-0.63654	0.524426	0.999277
0.401894	0.799749836	112.0288	-0.00385	0.188804	-0.0204	0.983723	0.999277
0.361148	0.779001197	375.5107	-0.02043	0.148112	-0.13792	0.890302	0.999277

0.398841	0.799176933	9.183991	0.03513	0.187906	0.186957	0.851694	0.999277
0.26909	0.711911233	174.5908	0.008902	0.170149	0.052317	0.958276	0.999277
0.202508	0.650197277	20.59276	0.03148	0.214414	0.146819	0.883275	0.999277
0.907464	0.982337683	87.72173	-0.08724	0.192269	-0.45374	0.650014	0.999277
0.576305	0.890535872	96.89142	-0.03154	0.188325	-0.16745	0.867015	0.999277
0.676729	0.927787926	80.27602	-0.03611	0.201552	-0.17916	0.857814	0.999277
0.616893	0.906851808	34.90044	-0.13406	0.216842	-0.61825	0.53641	0.999277
0.542187	0.875015043	217.9139	-0.02988	0.153494	-0.19464	0.845676	0.999277
0.155983	0.594363605	182.5618	0.034351	0.164625	0.208664	0.83471	0.999277
0.695782	0.933215429	330.6637	-0.11686	0.151821	-0.7697	0.441481	0.999277
0.805158	0.95777934	23.7104	-0.04664	0.214728	-0.21718	0.828065	0.999277
0.638305	0.913202151	15.1629	-0.00909	0.206801	-0.04395	0.964944	0.999277
0.984772	0.997439038	305.8262	-0.07748	0.15082	-0.51375	0.607424	0.999277
0.87495	0.975929662	25.38161	-0.08628	0.215527	-0.40032	0.68892	0.999277
0.829547	0.963218067	88.29283	-0.05571	0.192669	-0.28913	0.772479	0.999277
0.341415	0.763927027	81.38815	-0.00347	0.195829	-0.01774	0.985843	0.999277
0.584247	0.893086908	29.95727	-0.15496	0.216792	-0.71481	0.474728	0.999277
0.3667	0.783262699	33.31296	-0.17244	0.216893	-0.79504	0.426591	0.999277
0.997893	0.998980571	30.86775	-0.07501	0.21565	-0.34782	0.727976	0.999277
0.516169	0.863162089	14.23753	0.00823	0.202843	0.040575	0.967635	0.999277
0.544738	0.875466782	24.52978	-0.15782	0.216494	-0.72898	0.466015	0.999277
0.09761	0.487958366	93.46287	0.013947	0.195573	0.071313	0.943149	0.999277
0.579039	0.892426913	31.24952	-0.00931	0.216977	-0.04293	0.965759	0.999277
0.135273	0.560855153	34.14621	0.069599	0.216332	0.321723	0.747663	0.999277
0.022898	0.241195051	209.3586	0.151455	0.162908	0.929694	0.352529	0.999277
0.446488	0.824037121	20.37808	-0.0092	0.212187	-0.04337	0.965405	0.999277
0.889075	0.978618144	124.1152	-0.06565	0.186479	-0.35204	0.724811	0.999277
0.846612	0.968350774	20.01118	-0.09447	0.21277	-0.44398	0.657053	0.999277
0.469632	0.839781866	25.84794	-0.01647	0.215436	-0.07645	0.939065	0.999277
0.278988	0.720991002	44.74683	0.046934	0.215308	0.217985	0.827441	0.999277
0.739902	0.940232174	13.88066	-0.1182	0.203357	-0.58125	0.561071	0.999277
0.821318	0.960727032	54.77919	-0.04975	0.20815	-0.23903	0.811081	0.999277
0.563411	0.885388247	264.5356	-0.02505	0.154984	-0.16163	0.871596	0.999277
0.977503	0.996394356	18.95738	-0.0792	0.212467	-0.37276	0.709328	0.999277
0.785314	0.953405093	21.39421	-0.10153	0.214533	-0.47325	0.636036	0.999277
0.066258	0.413684134	147.8796	0.025348	0.173342	0.146233	0.883737	0.999277
0.119926	0.531868596	233.0454	0.069286	0.149811	0.462487	0.643732	0.999277
0.289143	0.728676762	10.13772	0.019581	0.193559	0.10116	0.919423	0.999277
0.705722	0.93479128	156.0212	-0.11318	0.170875	-0.66235	0.507747	0.999277
0.913553	0.983953937	239.8297	-0.08623	0.163944	-0.52598	0.598901	0.999277
0.71024	0.935163685	352.7682	-0.11505	0.158403	-0.72633	0.467638	0.999277
0.116773	0.526037829	3279.539	0.067997	0.10662	0.637755	0.523633	0.999277
0.732269	0.938791295	18.23381	-0.04156	0.210599	-0.19734	0.843559	0.999277
0.242226	0.689627897	116.056	0.05097	0.180474	0.282421	0.777621	0.999277
0.820466	0.96043162	226.2741	-0.09645	0.161849	-0.59593	0.551223	0.999277
0.1766	0.619698727	9.287363	0.097668	0.171379	0.569896	0.568748	0.999277
0.001677	0.051060657	144.2791	0.100645	0.172352	0.583951	0.559253	0.999277
0.724479	0.9379278	103.773	-0.04358	0.184613	-0.23605	0.813393	0.999277
0.077112	0.440137403	101.1647	0.054057	0.193901	0.278788	0.780408	0.999277
0.57976	0.892778779	50.74034	-0.03271	0.212692	-0.15377	0.877792	0.999277
0.718421	0.935996695	916.8439	-0.03014	0.134094	-0.22479	0.82214	0.999277
0.390206	0.794805703	51.65774	-0.00498	0.210901	-0.02363	0.981149	0.999277

0.567877	0.888146309	26.24786	-0.00504	0.216493	-0.02329	0.981419	0.999277
0.106948	0.507302189	78.6984	0.086217	0.196632	0.438467	0.661048	0.999277
0.439877	0.820748295	525.1393	0.031456	0.142962	0.220029	0.825849	0.999277
0.158665	0.596830002	65.18552	0.018703	0.203384	0.091958	0.926732	0.999277
0.442378	0.822412917	220.8886	-0.0196	0.159627	-0.12277	0.902286	0.999277
0.765162	0.947560599	79.57522	-0.11772	0.199203	-0.59096	0.55455	0.999277
0.283756	0.725004462	362.333	0.040192	0.167127	0.240491	0.80995	0.999277
0.945882	0.989708344	213.4797	-0.08423	0.173502	-0.48545	0.627356	0.999277
0.01981	0.222458274	198.6783	0.046348	0.168129	0.275668	0.782803	0.999277
0.709412	0.934928732	94.41182	-0.04158	0.194939	-0.21332	0.83108	0.999277
0.489009	0.850626682	57.61383	-0.01437	0.211115	-0.06809	0.945718	0.999277
0.788508	0.954339571	35.01229	-0.10857	0.215439	-0.50393	0.614311	0.999277
0.186244	0.632482653	429.4886	-0.19437	0.136682	-1.42209	0.155001	0.991326
0.415657	0.808339941	9.524731	0.041578	0.188401	0.220691	0.825333	0.999277
0.381757	0.790738618	110.755	0.007627	0.185951	0.041017	0.967282	0.999277
0.784085	0.95300717	373.1083	-0.04241	0.141403	-0.29991	0.764243	0.999277
0.708462	0.93479128	200.4419	-0.03375	0.17107	-0.19727	0.843618	0.999277
0.12091	0.53352163	53.93653	-0.25033	0.210247	-1.19066	0.233786	0.999277
0.635104	0.91246753	23226.52	-0.02159	0.144427	-0.14947	0.881184	0.999277
0.913665	0.983953937	14.40952	-0.06259	0.201935	-0.30996	0.756595	0.999277
0.744292	0.940717284	51.00777	-0.05241	0.211379	-0.24796	0.804164	0.999277
0.902422	0.981785171	2369.973	-0.08748	0.138392	-0.63214	0.527297	0.999277
0.962563	0.994289023	3213.905	-0.07324	0.099493	-0.7361	0.461672	0.999277
0.704774	0.934710222	590.966	-0.11319	0.125612	-0.90113	0.36752	0.999277
0.635104	0.91246753	23225.27	-0.02165	0.144419	-0.14991	0.880837	0.999277
0.635104	0.91246753	23225.02	-0.02165	0.144419	-0.14994	0.880816	0.999277
0.700092	0.933914128	293.6562	-0.04004	0.157343	-0.25451	0.799104	0.999277
0.367925	0.784004283	110.1531	0.014651	0.204881	0.071511	0.942991	0.999277
0.497186	0.853814273	17.98521	-0.0038	0.209365	-0.01816	0.98551	0.999277
0.501911	0.856224747	46.2075	-0.01088	0.212367	-0.05124	0.959132	0.999277
0.342715	0.765527629	75.64704	-0.14829	0.205377	-0.72205	0.470267	0.999277
0.791255	0.954486972	287.6051	-0.05661	0.142611	-0.39698	0.691385	0.999277
0.559638	0.883824115	666.206	-0.14906	0.132057	-1.12876	0.258998	0.999277
0.212275	0.662162147	27.08839	0.103946	0.216737	0.479595	0.631515	0.999277
0.63959	0.913956692	187.7741	-0.04563	0.163353	-0.27936	0.779967	0.999277
0.429217	0.815457184	66.95728	0.019711	0.202425	0.097375	0.922429	0.999277
0.232644	0.682307462	54.92031	0.048479	0.20951	0.231392	0.817011	0.999277
0.461836	0.833915601	38.53886	-0.00155	0.215083	-0.00718	0.994268	0.999277
0.579852	0.892778779	62.87002	-0.01831	0.205526	-0.0891	0.929	0.999277
0.183378	0.63013277	10.82038	0.102731	0.194743	0.527522	0.597831	0.999277
0.198465	0.645340606	73.48626	-0.17868	0.205063	-0.87132	0.38358	0.999277
0.461907	0.833915601	78.08746	-0.14936	0.19951	-0.74863	0.454079	0.999277
0.665751	0.925067398	190.2786	-0.03798	0.160276	-0.23696	0.812686	0.999277
0.92134	0.985704596	42.22267	-0.06964	0.215842	-0.32266	0.746955	0.999277
0.66885	0.925067398	42.79689	-0.11018	0.216107	-0.50984	0.610164	0.999277
0.402794	0.799980829	64.42213	-0.00581	0.214551	-0.0271	0.97838	0.999277
0.009429	0.148455038	199.388	0.13067	0.160575	0.813766	0.415779	0.999277
0.497807	0.853814273	49.7463	0.004583	0.211437	0.021674	0.982708	0.999277
0.748149	0.942119652	340.4008	-0.11986	0.138835	-0.8633	0.387975	0.999277
0.286885	0.727292174	18.54208	0.035857	0.212812	0.168493	0.866195	0.999277
0.126706	0.54424251	9.037817	0.087436	0.18595	0.47021	0.638205	0.999277
0.830695	0.963218067	40.37384	-0.10824	0.215909	-0.50131	0.616151	0.999277

0.96374	0.994356349	245.9234	-0.08291	0.162698	-0.50962	0.610319	0.999277
0.943428	0.98909524	26.08394	-0.08581	0.216663	-0.39604	0.692073	0.999277
0.401806	0.799749836	50.2754	-0.15819	0.213432	-0.74117	0.458591	0.999277
0.065269	0.41179587	41.31879	-0.29827	0.214008	-1.39372	0.163402	0.999277
0.497588	0.853814273	87.59779	-0.17709	0.195308	-0.90672	0.364552	0.999277
0.741474	0.94054009	211.4831	-0.04378	0.154724	-0.28297	0.777203	0.999277
0.892764	0.979423868	30.06978	-0.06521	0.217008	-0.30052	0.763782	0.999277
0.45	0.825802225	75.31885	-0.1582	0.216602	-0.73039	0.46515	0.999277
0.258373	0.702821884	96.78339	0.011115	0.192066	0.057873	0.95385	0.999277
0.859957	0.972502766	366.6561	-0.06172	0.155789	-0.39617	0.691977	0.999277
0.492983	0.852802998	245.056	0.00264	0.157168	0.0168	0.986596	0.999277
0.664713	0.924869295	306.5379	-0.14193	0.162569	-0.87306	0.382632	0.999277
0.631302	0.911456731	109.0268	-0.04466	0.198834	-0.22459	0.822295	0.999277
0.241386	0.689435681	103.6352	-0.23363	0.193691	-1.20622	0.227732	0.999277
0.671471	0.926460348	154.4024	-0.02052	0.183337	-0.1119	0.910902	0.999277
0.04436	0.339606813	58.49246	0.095628	0.20908	0.457373	0.647403	0.999277
0.725663	0.938189752	136.5896	-0.11894	0.195551	-0.60823	0.543032	0.999277
0.471245	0.840668928	53.84743	0.02172	0.208336	0.104256	0.916966	0.999277
0.714346	0.935646775	105.4359	-0.04102	0.189368	-0.21659	0.828528	0.999277
0.044018	0.337833053	210.3351	-0.27648	0.169002	-1.63597	0.101845	0.899753
0.001924	0.055436398	121.2859	0.12232	0.181707	0.673175	0.500836	0.999277
0.953813	0.992357094	16.37112	-0.08525	0.205217	-0.41543	0.677828	0.999277
0.11518	0.522715569	949.4112	0.064684	0.11827	0.546917	0.584436	0.999277
0.127307	0.545944429	103.8566	0.056975	0.188532	0.302204	0.762497	0.999277
0.708099	0.93479128	163.9069	-0.11868	0.169321	-0.70094	0.483341	0.999277
0.035344	0.303626551	413.9788	0.059535	0.128179	0.464467	0.642313	0.999277
0.949268	0.991148678	98.90531	-0.0727	0.193494	-0.37571	0.707135	0.999277
0.442884	0.822531978	70.4808	0.026765	0.200786	0.133303	0.893953	0.999277
0.291878	0.731720735	137.553	-0.17982	0.192295	-0.93514	0.349716	0.999277
0.822453	0.961284824	352.0795	-0.10967	0.160984	-0.68123	0.495728	0.999277
0.274289	0.716737013	356.1633	0.013813	0.141409	0.097684	0.922183	0.999277
0.854532	0.970614062	23.20486	-0.09375	0.215394	-0.43527	0.663368	0.999277
0.776902	0.950382298	16.08174	-0.04523	0.20723	-0.21826	0.827228	0.999277
0.286596	0.726931436	29.77961	0.019343	0.217017	0.089131	0.928978	0.999277
0.140926	0.57118319	52.12143	-0.23867	0.212867	-1.12119	0.262205	0.999277
0.654607	0.919908379	430.1453	-0.11574	0.141501	-0.81795	0.413388	0.999277
0.932975	0.986607773	34.40024	-0.07073	0.216957	-0.32603	0.744404	0.999277
0.600072	0.898993255	68.35793	-0.02618	0.202108	-0.12954	0.896927	0.999277
0.054011	0.375679925	469.4227	0.075229	0.135879	0.553649	0.579819	0.999277
0.257527	0.702667742	123.5489	-0.16744	0.181334	-0.92336	0.355821	0.999277
0.173562	0.615485608	36.65213	0.031505	0.216598	0.145452	0.884354	0.999277
0.657305	0.921426159	16.0177	-0.01534	0.207621	-0.07389	0.941099	0.999277
0.708599	0.93479128	115.7485	-0.04407	0.186112	-0.23678	0.81283	0.999277
0.613907	0.905745831	55.77619	-0.04089	0.207484	-0.19706	0.843781	0.999277
0.381066	0.790279608	57.19465	-0.1489	0.207903	-0.71622	0.473858	0.999277
0.349861	0.771454722	40.89484	0.006431	0.216141	0.029753	0.976264	0.999277
0.047077	0.349223915	69.65808	0.100699	0.202408	0.497504	0.618834	0.999277
0.706816	0.93479128	62.38133	-0.13146	0.20963	-0.62709	0.530601	0.999277
0.740237	0.940232174	10.28446	-0.03182	0.160464	-0.19827	0.842833	0.999277
0.114957	0.522571385	228.1821	0.031296	0.160451	0.195051	0.845353	0.999277
0.060463	0.396566901	18.29768	0.136306	0.209037	0.652063	0.51436	0.999277
0.722974	0.937762828	42.09095	-0.12558	0.214181	-0.58632	0.557662	0.999277

0.868492	0.974598067	500.5386	-0.08996	0.125217	-0.71844	0.472485	0.999277
0.053935	0.375679925	179.1954	0.077264	0.16449	0.46972	0.638555	0.999277
0.125297	0.541145145	370.1325	-0.23065	0.153941	-1.49833	0.134048	0.96056
0.537088	0.87300917	86.47076	-0.00929	0.196831	-0.04718	0.96237	0.999277
0.497216	0.853814273	101.3687	-0.03396	0.192972	-0.176	0.860297	0.999277
0.448416	0.824820545	28.36717	0.026385	0.216954	0.121617	0.903202	0.999277
0.620193	0.907694108	76.74651	-0.02474	0.197203	-0.12544	0.900176	0.999277
0.625279	0.90819406	46.20102	-0.03216	0.212996	-0.15099	0.87998	0.999277
0.044196	0.33874494	114.8786	-0.28141	0.183389	-1.53451	0.124903	0.940007
0.8501	0.96939872	30.92416	-0.05863	0.216314	-0.27103	0.786371	0.999277
0.522897	0.867041719	30.78818	0.012278	0.216855	0.056621	0.954847	0.999277
0.199649	0.64680299	56.31166	0.007545	0.211035	0.035754	0.971478	0.999277
0.691858	0.931889128	25.24598	-0.04543	0.216289	-0.21003	0.833645	0.999277
0.204148	0.652209075	225.3267	-0.19099	0.160601	-1.18923	0.234348	0.999277
0.441243	0.821462024	41.58522	-0.00165	0.216231	-0.00764	0.993902	0.999277
0.329321	0.755901285	16.97691	0.017422	0.210019	0.082953	0.933889	0.999277
0.053244	0.374910234	723.6836	-0.24368	0.123262	-1.97695	0.048047	0.692543
0.729281	0.938791295	163.4907	-0.10781	0.173072	-0.6229	0.533348	0.999277
0.112209	0.518280026	517.3101	0.032885	0.129373	0.254185	0.799353	0.999277
0.78017	0.951422339	24.96695	-0.04634	0.215376	-0.21517	0.829637	0.999277
0.420522	0.811596095	310.7932	-0.15498	0.144227	-1.07459	0.28256	0.999277
0.23424	0.683219522	406.5246	-0.00013	0.144593	-0.00092	0.999262	0.999986
0.175331	0.617729055	36.21245	0.011784	0.216624	0.054399	0.956617	0.999277
0.998138	0.998980571	107.4783	-0.08106	0.188584	-0.42982	0.66733	0.999277
0.584834	0.893351105	408.6779	-0.03911	0.139058	-0.28128	0.778492	0.999277
0.046835	0.348768315	284.86	-0.3088	0.174263	-1.77204	0.076388	0.817632
0.499804	0.855024636	11.46595	0.009039	0.197883	0.045678	0.963567	0.999277
0.811093	0.958640484	338.6901	-0.06189	0.13847	-0.44698	0.654888	0.999277
0.137102	0.564063903	42.94587	0.064522	0.2143	0.30108	0.763353	0.999277
0.968635	0.99553873	36.70401	-0.0865	0.21602	-0.40041	0.688857	0.999277
0.221925	0.672211655	20.10638	0.03531	0.214093	0.164928	0.869001	0.999277
0.332621	0.758489702	323.6414	-0.19017	0.151076	-1.2588	0.208104	0.999277
0.955553	0.992684836	77.19359	-0.08728	0.195759	-0.44583	0.655721	0.999277
0.78017	0.951422339	25.75893	-0.04712	0.215713	-0.21845	0.827079	0.999277
0.001224	0.041706514	142.5432	0.127672	0.176792	0.722159	0.470197	0.999277
0.275305	0.716915261	73.25041	0.019451	0.199306	0.097595	0.922254	0.999277
0.114329	0.52158142	126.9906	0.015169	0.176673	0.085861	0.931577	0.999277
0.181911	0.628160236	85.38567	0.067683	0.193728	0.349372	0.72681	0.999277
0.737283	0.939837349	32.49363	-0.04036	0.216793	-0.18619	0.852298	0.999277
0.238929	0.687956644	139.7893	-0.01983	0.182285	-0.10878	0.913379	0.999277
0.798241	0.956401774	21.85839	-0.05329	0.214152	-0.24883	0.803496	0.999277
0.96274	0.994289023	63.45909	-0.08898	0.208751	-0.42627	0.66991	0.999277
0.770694	0.94929683	341.7517	-0.04298	0.140844	-0.30514	0.760262	0.999277
0.01292	0.176954608	125.9971	0.074664	0.18207	0.410081	0.681746	0.999277
0.292336	0.732387143	125.0988	0.031203	0.182222	0.171234	0.86404	0.999277
0.854682	0.970614062	296.2961	-0.09887	0.142888	-0.69192	0.48899	0.999277
0.409231	0.803007486	71.69272	-0.0147	0.204105	-0.07203	0.942576	0.999277
0.6729	0.926901878	163.8125	-0.03274	0.168443	-0.19436	0.845898	0.999277
0.93429	0.986607773	48.79713	-0.07413	0.212115	-0.34947	0.726733	0.999277
0.89376	0.979634139	80.88093	-0.09284	0.196111	-0.47342	0.635914	0.999277
0.726497	0.938450346	52.24815	-0.04231	0.211047	-0.20048	0.841103	0.999277
0.835903	0.965088948	75.64567	-0.06652	0.201466	-0.33016	0.741282	0.999277

0.074126	0.433062809	71.84992	0.056632	0.204061	0.277527	0.781375	0.999277
0.001675	0.051060657	304.5717	0.102825	0.143877	0.714672	0.474812	0.999277
0.974487	0.996034757	455.4937	-0.07815	0.14253	-0.54833	0.583464	0.999277
0.934378	0.986607773	218.7192	-0.07566	0.155045	-0.488	0.625553	0.999277
0.426553	0.814589985	57.70715	0.006828	0.206628	0.033047	0.973637	0.999277
0.185447	0.631890551	143.8377	0.007694	0.175038	0.043959	0.964937	0.999277
0.692146	0.93199138	27.70416	-0.14041	0.216846	-0.64753	0.517292	0.999277
0.48699	0.849704907	116.2074	-0.01098	0.191448	-0.05737	0.954249	0.999277
0.729266	0.938791295	43.40256	-0.11265	0.215117	-0.52366	0.600512	0.999277
0.556221	0.882493069	21.53345	-0.00759	0.21201	-0.03582	0.971426	0.999277
0.000945	0.035987045	859.0622	-0.24172	0.136382	-1.77235	0.076336	0.817632
0.274135	0.716676312	67.8899	0.036009	0.20434	0.17622	0.860121	0.999277
0.608434	0.903795926	167.5516	-0.03343	0.178385	-0.18741	0.851339	0.999277
0.319015	0.750365744	203.6525	-0.20985	0.165464	-1.26822	0.204719	0.999277
0.584132	0.893086908	700.9219	-0.14481	0.126298	-1.14661	0.251544	0.999277
0.164153	0.603036338	1083.611	-0.24839	0.137015	-1.81285	0.069856	0.796336
0.731038	0.938791295	31.06905	-0.12044	0.216997	-0.55505	0.578864	0.999277
0.740332	0.940232174	727.4684	-0.12578	0.161144	-0.78051	0.435088	0.999277
0.291313	0.730852624	21.50419	0.020001	0.212975	0.093911	0.92518	0.999277
0.617598	0.907005063	78.15422	-0.14484	0.211302	-0.68545	0.49306	0.999277
0.028175	0.269415208	155.7893	0.129329	0.169848	0.761441	0.446394	0.999277
0.92773	0.985704596	12.72595	-0.07075	0.196496	-0.36005	0.718807	0.999277
0.643984	0.914980232	23.70097	-0.04277	0.216208	-0.19781	0.843197	0.999277
0.620331	0.907694108	49.68223	-0.14649	0.215874	-0.67861	0.497388	0.999277
0.104117	0.501523126	495.3993	0.069848	0.131322	0.531879	0.59481	0.999277
0.886342	0.977977772	30.30123	-0.06992	0.216669	-0.32269	0.746933	0.999277
0.020932	0.229471922	47.60546	0.051573	0.211581	0.243752	0.807423	0.999277
0.278482	0.720551707	94.51128	-0.22008	0.195791	-1.12408	0.26098	0.999277
0.690307	0.93167865	45.83181	-0.13349	0.215497	-0.61947	0.535604	0.999277
0.272117	0.715458301	371.1069	0.00801	0.144555	0.055413	0.955809	0.999277
0.903705	0.982259726	28.07738	-0.09883	0.216805	-0.45586	0.648488	0.999277
0.19186	0.638821592	19.93117	0.045148	0.213224	0.211738	0.832311	0.999277
0.309541	0.743776564	161.4677	0.001354	0.170192	0.007958	0.993651	0.999277
0.248283	0.69561779	230.3594	0.034522	0.159391	0.216583	0.828533	0.999277
0.47211	0.841375046	225.0507	-0.0251	0.155151	-0.16175	0.871503	0.999277
0.250397	0.697484296	47.89569	0.069469	0.212008	0.32767	0.743162	0.999277
0.744418	0.94078096	3294.62	-0.1253	0.133597	-0.93786	0.348314	0.999277
0.523816	0.867497986	12.09979	-0.15225	0.1966	-0.77444	0.438671	0.999277
0.775894	0.950312691	14.45028	-0.04317	0.16471	-0.26207	0.793268	0.999277
0.573837	0.890266465	488.0323	-0.01511	0.131265	-0.11509	0.908374	0.999277
0.520229	0.865356325	9.109296	-0.00171	0.187419	-0.00913	0.992719	0.999277
0.638717	0.913309512	216.4181	-0.05389	0.153627	-0.35076	0.72577	0.999277
0.600072	0.898993255	68.61669	-0.03031	0.201959	-0.15006	0.880718	0.999277
0.309212	0.743522207	206.1009	-0.00325	0.161857	-0.02008	0.983978	0.999277
0.848721	0.968842937	175.7167	-0.05645	0.173152	-0.32602	0.744407	0.999277
0.269826	0.712940894	250.2935	0.01015	0.154572	0.065668	0.947642	0.999277
0.793947	0.95537781	213.0524	-0.10247	0.157473	-0.65071	0.515231	0.999277
0.46482	0.835932481	391.4009	0.022305	0.137337	0.162413	0.870981	0.999277
0.185387	0.631890551	121.6303	-0.2096	0.193412	-1.08367	0.278509	0.999277
0.185387	0.631890551	121.6303	-0.2096	0.193412	-1.08368	0.278507	0.999277
0.870121	0.975011477	131.9848	-0.06809	0.178568	-0.38133	0.702959	0.999277
0.574133	0.890306329	197.1379	-0.02477	0.158548	-0.15623	0.875853	0.999277

0.744211	0.940717284	302.0951	-0.10863	0.162926	-0.66673	0.504945	0.999277
0.879146	0.976529096	250.3052	-0.10666	0.147827	-0.72149	0.470609	0.999277
0.896451	0.980340433	127.8336	-0.09491	0.189808	-0.50005	0.617038	0.999277
0.630899	0.911456731	8.860344	-0.02814	0.187138	-0.15036	0.880484	0.999277
0.033336	0.293350939	98.18589	0.079048	0.192254	0.411166	0.680951	0.999277
0.715783	0.935732947	263.1248	-0.05479	0.155368	-0.35265	0.724349	0.999277
0.497702	0.853814273	150.2261	-0.14189	0.169817	-0.83554	0.403415	0.999277
0.431585	0.816304844	70.16369	-0.02537	0.206508	-0.12283	0.902241	0.999277
0.842567	0.967078312	762.3873	-0.09923	0.1224	-0.81067	0.417554	0.999277
0.795874	0.95546283	10.49717	-0.11395	0.177393	-0.64234	0.520653	0.999277
0.322198	0.751983433	101.374	0.026066	0.191812	0.135892	0.891906	0.999277
0.874213	0.975929662	1242.914	-0.10744	0.106875	-1.00533	0.31474	0.999277
0.054959	0.379148447	420.34	0.116535	0.129496	0.899913	0.368167	0.999277
0.756973	0.945084702	943.0801	-0.116	0.114906	-1.00954	0.312715	0.999277
0.369521	0.784800637	33.29416	-0.17882	0.21653	-0.82586	0.408885	0.999277
0.329397	0.755901285	74.79721	-0.02747	0.206039	-0.13333	0.893932	0.999277
0.744298	0.940717284	76.02844	-0.05246	0.203542	-0.25773	0.796612	0.999277
0.73197	0.938791295	82.60244	-0.03705	0.204032	-0.1816	0.855895	0.999277
0.640046	0.914080615	58.25125	-0.12332	0.209545	-0.58851	0.55619	0.999277
0.866967	0.974472542	13.3017	-0.0644	0.201216	-0.32003	0.748942	0.999277
0.573883	0.890266465	264.7386	-0.13916	0.174992	-0.79525	0.426469	0.999277
0.873178	0.975929662	186.2272	-0.06779	0.168018	-0.40349	0.686584	0.999277
0.716416	0.935880005	202.9311	-0.05294	0.160482	-0.3299	0.741472	0.999277
0.259125	0.703866174	10.85287	0.078691	0.196605	0.400251	0.688971	0.999277
0.989038	0.998538548	38.25933	-0.08395	0.216104	-0.38847	0.697669	0.999277
0.34987	0.771454722	262.6923	-0.00971	0.147407	-0.06587	0.947481	0.999277
0.707368	0.93479128	800.6532	-0.11201	0.149283	-0.7503	0.453076	0.999277
0.43301	0.817148019	216.7026	-0.19241	0.160732	-1.19706	0.231283	0.999277
0.008593	0.14072861	122.2038	0.09074	0.179724	0.504887	0.613638	0.999277
0.750949	0.94273081	49.41281	-0.07441	0.152983	-0.48642	0.62667	0.999277
0.79496	0.955450804	11.70585	-0.12221	0.197912	-0.61749	0.536914	0.999277
0.740256	0.940232174	879.0636	-0.10965	0.13303	-0.82422	0.409817	0.999277
0.286885	0.727292174	18.86017	0.028148	0.213153	0.132057	0.894939	0.999277
0.574497	0.890535872	39.40919	-0.0366	0.21594	-0.16951	0.865399	0.999277
0.204355	0.652498844	71.76563	-0.18691	0.202822	-0.92156	0.356758	0.999277
0.276537	0.718088378	330.0378	-0.17692	0.143187	-1.23561	0.216605	0.999277
0.95941	0.993298498	356.7489	-0.09369	0.149201	-0.62796	0.530027	0.999277
0.991809	0.998538548	375.8755	-0.08521	0.145456	-0.58581	0.558003	0.999277
0.844587	0.967713968	213.0889	-0.05874	0.160443	-0.36609	0.714301	0.999277
0.012648	0.174812492	70.17654	0.092044	0.199846	0.460575	0.645103	0.999277
0.066164	0.413684134	67.91353	0.126153	0.203498	0.619919	0.535311	0.999277
0.268508	0.711911233	82.14447	-0.15554	0.201645	-0.77135	0.440499	0.999277
0.017077	0.203653147	122.3153	-0.26571	0.185564	-1.43188	0.152177	0.987797
0.474278	0.842005284	125.7277	-0.02388	0.183224	-0.13032	0.896316	0.999277
0.78142	0.951692757	286.804	-0.10666	0.15738	-0.67774	0.497937	0.999277
0.049712	0.360160456	155.6733	-0.22744	0.17059	-1.33326	0.182448	0.999277
0.234066	0.683219522	220.4937	0.032404	0.17566	0.18447	0.853645	0.999277
0.477014	0.84304528	76.42516	-0.00869	0.204576	-0.04245	0.966136	0.999277
0.794307	0.95537781	11.50882	-0.04884	0.18944	-0.25781	0.796552	0.999277
0.038187	0.317595678	85.93884	0.162434	0.212845	0.763157	0.44537	0.999277
0.140618	0.570972607	134.7274	0.029944	0.18259	0.163998	0.869733	0.999277
0.40775	0.802350555	10.48249	0.032602	0.171836	0.189729	0.849522	0.999277

0.234173	0.683219522	272.1912	-0.22492	0.169145	-1.32972	0.183611	0.999277
0.117696	0.527403592	156.5753	0.081313	0.177675	0.457648	0.647206	0.999277
0.624899	0.908090896	48.62645	-0.12862	0.214016	-0.601	0.547842	0.999277
0.024937	0.252067123	68.18239	0.075264	0.208998	0.360119	0.718759	0.999277
0.447825	0.824078276	13.93184	-0.00228	0.204906	-0.01114	0.991111	0.999277
0.533252	0.871779365	147.7168	-0.14955	0.176362	-0.84797	0.396452	0.999277
0.643418	0.914943952	279.543	-0.12094	0.147252	-0.82131	0.41147	0.999277
0.658627	0.921967739	29.35931	-0.04206	0.217004	-0.19382	0.84632	0.999277
0.419032	0.810944751	215.9543	-0.20532	0.156213	-1.31434	0.188732	0.999277
0.839011	0.965740316	73.68293	-0.06716	0.201356	-0.33354	0.738728	0.999277
0.634558	0.91246753	67.1483	-0.04818	0.200854	-0.23985	0.810444	0.999277
0.057043	0.385445107	47.40976	-0.24958	0.213344	-1.16984	0.242065	0.999277
0.831724	0.963528861	49.26917	-0.07188	0.212022	-0.33901	0.734599	0.999277
0.019308	0.218531566	12.04057	0.247028	0.194063	1.27293	0.203043	0.999277
0.607935	0.903740551	188.8596	-0.12428	0.172851	-0.71902	0.472127	0.999277
0.46389	0.835576695	27.15662	-0.17677	0.216895	-0.81503	0.415058	0.999277
0.67416	0.927604313	321.481	-0.05579	0.138696	-0.40226	0.687493	0.999277
0.665949	0.925067398	482.7749	-0.04577	0.124194	-0.36854	0.712469	0.999277
0.096437	0.486524812	27.15924	-0.2454	0.216359	-1.13422	0.256704	0.999277
0.189005	0.636419732	72.93063	0.050268	0.205836	0.244212	0.807067	0.999277
0.767766	0.948584137	886.3108	-0.11673	0.110048	-1.06073	0.288813	0.999277
0.212815	0.662162147	172.318	-0.2461	0.185354	-1.32774	0.184263	0.999277
0.159048	0.596830002	225.2366	0.035379	0.159816	0.22137	0.824804	0.999277
0.790466	0.954486972	35.9739	-0.06058	0.216662	-0.27962	0.779767	0.999277
0.712274	0.935646775	235.9127	-0.10723	0.149116	-0.71909	0.472085	0.999277
0.252565	0.698438177	666.9607	0.037984	0.115265	0.329534	0.741752	0.999277
0.568025	0.888146309	15.6238	-0.0381	0.204174	-0.18662	0.851961	0.999277
0.815079	0.9594188	298.3804	-0.06417	0.144055	-0.44545	0.655998	0.999277
0.507876	0.85889821	9.911156	-0.00702	0.191064	-0.03673	0.970701	0.999277
0.922279	0.985704596	106.447	-0.07949	0.189796	-0.41883	0.675341	0.999277
0.761976	0.946504857	41.29095	-0.06041	0.21405	-0.2822	0.777788	0.999277
0.16333	0.602535736	447.4745	0.029254	0.136667	0.21405	0.830508	0.999277
0.659976	0.922888851	20.51613	-0.03123	0.213055	-0.1466	0.883446	0.999277
0.60734	0.90364113	15.71474	-0.02331	0.206923	-0.11266	0.9103	0.999277
0.208837	0.656985069	730.3898	0.029919	0.116847	0.256057	0.797907	0.999277
0.709462	0.934928732	181.4937	-0.10994	0.183198	-0.60011	0.548436	0.999277
0.112253	0.518304254	185.4619	-0.00289	0.164796	-0.01757	0.985984	0.999277
0.444486	0.823370153	283.54	-0.01068	0.167506	-0.06378	0.949142	0.999277
0.980117	0.996602004	302.9213	-0.08661	0.147532	-0.58706	0.557164	0.999277
0.342893	0.765527629	248.7795	0.002037	0.16823	0.01211	0.990338	0.999277
0.868904	0.974861224	104.6862	-0.06511	0.190047	-0.34258	0.731914	0.999277
0.846828	0.968350774	521.7627	-0.10309	0.162197	-0.63559	0.525045	0.999277
0.188493	0.635815525	663.5958	-0.17459	0.134525	-1.2978	0.194355	0.999277
0.914435	0.98409205	51.15137	-0.0736	0.212841	-0.34578	0.729505	0.999277
0.808208	0.958353056	130.5244	-0.05873	0.182946	-0.32102	0.748197	0.999277
0.50709	0.858749908	12.78687	-0.02014	0.199541	-0.10091	0.91962	0.999277
0.888061	0.978595482	192.4834	-0.07314	0.160602	-0.45544	0.648792	0.999277
0.186253	0.632482653	594.6932	-0.216	0.139319	-1.55042	0.121041	0.929931
0.05904	0.391852183	46.88019	0.084773	0.211675	0.400485	0.688799	0.999277
0.230279	0.680403181	1598.199	0.052221	0.128908	0.405102	0.685402	0.999277
0.344839	0.766383255	113.5065	0.012545	0.187867	0.066778	0.946758	0.999277
0.205585	0.653576293	45.93093	0.02751	0.212152	0.129673	0.896825	0.999277

0.374126	0.787458382	145.2628	-0.01074	0.171784	-0.06253	0.950139	0.999277
0.824284	0.961934902	53.49471	-0.11594	0.213389	-0.54331	0.586914	0.999277
0.969435	0.99553873	35.26472	-0.09418	0.216239	-0.43554	0.663169	0.999277
0.103346	0.499892244	170.1205	0.091957	0.177942	0.516781	0.605309	0.999277
0.160168	0.598933603	195.8317	-0.01041	0.161953	-0.06426	0.948766	0.999277
0.459879	0.832372815	6623.392	-0.16593	0.097082	-1.70915	0.087424	0.847806
0.162488	0.601189469	50.62191	0.016711	0.212615	0.078598	0.937352	0.999277
0.660643	0.923435562	23.9477	-0.02766	0.216362	-0.12783	0.898287	0.999277
0.673844	0.927574661	218.1295	-0.12042	0.162189	-0.74246	0.45781	0.999277
0.109706	0.512855014	524.6715	0.046354	0.122931	0.377074	0.706119	0.999277
0.421833	0.812367591	113.8588	-0.0149	0.183282	-0.08131	0.935197	0.999277
0.597217	0.897840318	23.46473	-0.02717	0.214664	-0.12658	0.899271	0.999277
0.141275	0.571236062	256.208	0.06789	0.159794	0.424861	0.670938	0.999277
0.811722	0.958675684	640.7912	-0.07406	0.127286	-0.58183	0.560679	0.999277
0.775144	0.950087614	14.86762	-0.127	0.204442	-0.6212	0.534466	0.999277
0.202508	0.650197277	21.2296	0.015782	0.214786	0.073476	0.941427	0.999277
0.696989	0.933417775	152.0823	-0.07077	0.174015	-0.4067	0.684226	0.999277
0.166811	0.60580613	46.124	0.068229	0.213161	0.320081	0.748907	0.999277
0.741675	0.94054009	314.3529	-0.06002	0.146189	-0.41055	0.681401	0.999277
0.942561	0.988829207	739.7759	-0.09878	0.11261	-0.8772	0.380379	0.999277
0.253684	0.699605455	37.42066	0.035111	0.216592	0.162108	0.871221	0.999277
0.225849	0.675373593	216.0583	0.026203	0.175928	0.148944	0.881598	0.999277
0.440306	0.821185993	34.32271	-0.02299	0.216753	-0.10606	0.915539	0.999277
0.911677	0.983953937	137.6233	-0.08026	0.187633	-0.42776	0.668828	0.999277
0.334934	0.759008088	115.1817	-0.16315	0.188354	-0.86618	0.38639	0.999277
0.928318	0.985704596	76.24768	-0.08158	0.200166	-0.40756	0.683593	0.999277
0.86547	0.974209804	211.3375	-0.07072	0.154737	-0.45706	0.647626	0.999277
0.867731	0.974472542	670.8146	-0.07641	0.136809	-0.55851	0.576493	0.999277
0.108987	0.511885478	123.8916	0.058478	0.210856	0.277338	0.78152	0.999277
0.628735	0.910993455	184.37	-0.0441	0.166475	-0.26493	0.791067	0.999277
0.452227	0.827253765	433.5584	0.013859	0.143206	0.096774	0.922906	0.999277
0.01918	0.218112422	151.6436	0.145891	0.175442	0.831558	0.405659	0.999277
0.687125	0.931172733	101.6406	-0.13349	0.190916	-0.69919	0.484431	0.999277
0.669326	0.925220349	167.7198	-0.12223	0.178273	-0.68566	0.492929	0.999277
0.617536	0.907005063	132.878	-0.03289	0.178408	-0.18433	0.853752	0.999277
0.657954	0.921507968	157.6834	-0.05427	0.184042	-0.29486	0.768103	0.999277
0.199274	0.646371985	31.44652	0.065639	0.216896	0.302631	0.762171	0.999277
0.515296	0.862902266	34.11399	-0.01749	0.216369	-0.08084	0.935568	0.999277
0.697089	0.933417775	9.507146	-0.03562	0.186792	-0.1907	0.848761	0.999277
0.372061	0.786299511	401.7288	-0.01277	0.154664	-0.08255	0.93421	0.999277
0.118962	0.529564601	535.1484	-0.24572	0.136654	-1.7981	0.07216	0.804391
0.009254	0.14700818	90.71237	0.097381	0.198944	0.489492	0.624494	0.999277
0.281046	0.721618953	43.39776	-0.02273	0.214863	-0.10577	0.915762	0.999277
0.66839	0.925067398	384.726	-0.04245	0.149941	-0.28314	0.777069	0.999277
0.666776	0.925067398	180.9801	-0.13224	0.173682	-0.76139	0.446423	0.999277
0.458387	0.8322447	22.93943	-0.18997	0.214098	-0.88732	0.374904	0.999277
0.552128	0.880447357	19.96779	-0.14263	0.214043	-0.66634	0.505193	0.999277
0.581852	0.892926328	55.02503	-0.15857	0.209986	-0.75515	0.450161	0.999277
0.742398	0.940595738	190.3843	-0.13892	0.177074	-0.78456	0.432714	0.999277
0.862256	0.973163445	235.2563	-0.10666	0.164076	-0.65006	0.515654	0.999277
0.192267	0.638994058	71.73291	0.029488	0.203572	0.144854	0.884827	0.999277
0.733625	0.938791295	255.3331	-0.06576	0.163281	-0.40276	0.687124	0.999277

0.940113	0.98808595	190.5656	-0.10048	0.166404	-0.60385	0.545946	0.999277
0.017342	0.204957662	119.0297	0.073069	0.189759	0.385063	0.700191	0.999277
0.364089	0.781560759	231.0748	0.014179	0.169178	0.083809	0.933208	0.999277
0.446156	0.824037121	81.54569	-0.15295	0.202985	-0.75351	0.451145	0.999277
0.194914	0.640529826	32.95666	0.092365	0.216934	0.425775	0.670272	0.999277
0.552297	0.880447357	283.9502	-0.05024	0.146036	-0.34405	0.730812	0.999277
0.378416	0.789109046	11.61461	-0.19604	0.198098	-0.9896	0.32237	0.999277
0.199872	0.64705387	187.3004	0.023209	0.173329	0.133903	0.893479	0.999277
0.210516	0.659576262	147.9924	-0.01278	0.185986	-0.06872	0.945213	0.999277
0.05904	0.391852183	47.23316	0.081513	0.211548	0.385314	0.700005	0.999277
0.389498	0.794805703	57.92643	-0.01563	0.207619	-0.0753	0.939977	0.999277
0.303919	0.739758551	27.88989	-0.02222	0.216422	-0.10268	0.918216	0.999277
0.899273	0.981243428	96.57077	-0.10462	0.198621	-0.52675	0.598369	0.999277
0.777354	0.950382298	224.9987	-0.11504	0.153606	-0.74896	0.453883	0.999277
0.207573	0.655474405	119.4153	-0.20966	0.19575	-1.07104	0.284151	0.999277
0.74616	0.941321938	244.8151	-0.12228	0.171155	-0.71442	0.474966	0.999277
0.584852	0.893351105	12.75249	-0.02246	0.201543	-0.11143	0.911274	0.999277
0.32542	0.754238284	427.708	0.034365	0.138854	0.247492	0.804527	0.999277
0.730042	0.938791295	945.137	-0.0506	0.127933	-0.3955	0.692476	0.999277
0.63623	0.912524658	607.6005	-0.05431	0.12822	-0.42353	0.671907	0.999277
0.646493	0.916887588	698.3327	-0.05163	0.114182	-0.45213	0.651172	0.999277
0.238004	0.686979517	1381.052	-0.16158	0.113056	-1.4292	0.152948	0.990194
0.700006	0.933914128	842.9408	-0.12703	0.121531	-1.04525	0.295909	0.999277
0.597671	0.897896957	148.9783	-0.03349	0.169975	-0.19704	0.843794	0.999277
0.191811	0.638821592	171.5788	-0.00267	0.173575	-0.0154	0.987713	0.999277
0.45133	0.82688985	26.8324	-0.18509	0.215927	-0.85717	0.391351	0.999277
0.78339	0.952710845	102.863	-0.07218	0.189779	-0.38032	0.703705	0.999277
0.49999	0.855088395	32.41137	-0.15013	0.216682	-0.69284	0.488409	0.999277
0.213801	0.663697873	122.755	0.048801	0.17951	0.271858	0.785731	0.999277
0.990196	0.998538548	22.66084	-0.09244	0.214865	-0.43022	0.667039	0.999277
0.725294	0.938023838	1135.125	-0.11795	0.118122	-0.99852	0.318028	0.999277
0.67829	0.928687921	81.35974	-0.06149	0.195175	-0.31504	0.752729	0.999277
0.335525	0.759008088	92.15305	-0.17708	0.207333	-0.85409	0.393055	0.999277
0.78335	0.952710845	125.0437	-0.10934	0.194485	-0.56222	0.573969	0.999277
0.681535	0.929694584	706.0807	-0.04834	0.127873	-0.37804	0.705401	0.999277
0.658199	0.921551524	45.75005	-0.13421	0.212389	-0.63191	0.527447	0.999277
0.711386	0.935646775	23.7048	-0.14616	0.215941	-0.67687	0.498487	0.999277
0.364965	0.782124627	13.43137	0.037957	0.195833	0.193821	0.846316	0.999277
0.462636	0.834780826	148.2424	-0.02308	0.178255	-0.1295	0.896959	0.999277
0.840915	0.966670198	225.2343	-0.10586	0.155601	-0.68035	0.496281	0.999277
0.016402	0.201513222	32.53183	0.161417	0.216953	0.744018	0.456865	0.999277
0.546819	0.876523693	13.01094	-0.01525	0.201832	-0.07558	0.939753	0.999277
0.160977	0.600383251	26.94148	0.040006	0.215543	0.185608	0.852752	0.999277
0.970488	0.99553873	188.308	-0.09058	0.173659	-0.52158	0.601964	0.999277
0.071819	0.428248021	365.8267	0.05703	0.168344	0.33877	0.734783	0.999277
0.905529	0.982337683	365.9176	-0.10861	0.147096	-0.73836	0.460298	0.999277
0.723389	0.937789172	328.3373	-0.13579	0.150824	-0.90031	0.367954	0.999277
0.947989	0.990910515	75.5718	-0.09922	0.199305	-0.49783	0.618602	0.999277
0.698146	0.93369059	90.43677	-0.05607	0.198715	-0.28218	0.777803	0.999277
0.619154	0.907334933	106.7038	-0.16313	0.188256	-0.86655	0.38619	0.999277
0.564096	0.885572292	7389.833	-0.02026	0.103161	-0.1964	0.844299	0.999277
0.508753	0.859191274	272.3954	-0.14842	0.152784	-0.97144	0.33133	0.999277

0.808398	0.958353056	320.4581	-0.0742	0.144104	-0.51489	0.606629	0.999277
0.546183	0.876135064	18.7477	-0.02998	0.210642	-0.14231	0.886837	0.999277
0.580471	0.892820666	29.5416	-0.02021	0.216963	-0.09315	0.925784	0.999277
0.975039	0.996034757	95.39307	-0.09735	0.19144	-0.50853	0.611083	0.999277
0.652674	0.919811662	304.0503	-0.0641	0.146969	-0.43617	0.662715	0.999277
0.888889	0.978618144	50.31492	-0.07834	0.212136	-0.36928	0.711918	0.999277
0.271609	0.714684027	172.1656	0.059914	0.166292	0.360297	0.718625	0.999277
0.614958	0.905900033	63.22146	-0.0514	0.204496	-0.25136	0.801538	0.999277
0.633632	0.912379595	164.9002	-0.12245	0.17107	-0.71578	0.474127	0.999277
0.321653	0.751750527	410.8773	-0.18979	0.134935	-1.40652	0.159571	0.999277
0.075106	0.435173512	526.6911	0.077889	0.135862	0.573296	0.566444	0.999277
0.024385	0.249486288	649.4824	-0.32863	0.122094	-2.69164	0.00711	0.364449
0.170264	0.611478277	24.24614	0.099779	0.192441	0.51849	0.604116	0.999277
0.13352	0.556522333	80.27236	0.064047	0.198896	0.322012	0.747444	0.999277
0.072154	0.429041516	24.70691	0.093433	0.214769	0.43504	0.663534	0.999277
0.656093	0.920831412	75.59244	-0.14121	0.198741	-0.71053	0.477374	0.999277
0.944757	0.989441125	62.75955	-0.08946	0.20718	-0.43179	0.665896	0.999277
0.364152	0.781570462	309.1091	-0.17095	0.154765	-1.10458	0.269343	0.999277
0.334553	0.759008088	46.87626	0.019021	0.212206	0.089634	0.928578	0.999277
0.749518	0.942352049	13.78178	-0.05586	0.200711	-0.27831	0.780771	0.999277
0.45309	0.827610041	24.78492	-0.03553	0.215648	-0.16476	0.869136	0.999277
0.561176	0.884505763	154.6712	-0.05141	0.17786	-0.28907	0.772528	0.999277
0.205896	0.65381832	406.2745	-0.20515	0.137873	-1.48796	0.136762	0.961317
0.822026	0.96103601	71.35942	-0.12121	0.199956	-0.60617	0.544399	0.999277
0.518355	0.864226816	9.685276	-0.00182	0.190954	-0.00951	0.992409	0.999277
0.109605	0.512855014	299.2776	0.063374	0.145775	0.434742	0.66375	0.999277
0.986223	0.997898544	133.7419	-0.09397	0.175996	-0.53393	0.593388	0.999277
0.540732	0.873997923	44.87562	-0.16161	0.215083	-0.7514	0.452412	0.999277
0.619154	0.907334933	106.4127	-0.16434	0.18814	-0.8735	0.382389	0.999277
0.867257	0.974472542	150.9998	-0.08152	0.170431	-0.4783	0.632435	0.999277
0.073016	0.431176533	835.5429	0.081029	0.115496	0.701577	0.482943	0.999277
0.031459	0.28471076	16.63772	0.126849	0.209696	0.604918	0.545233	0.999277
0.025614	0.256430715	134.7276	0.064473	0.181649	0.354932	0.72264	0.999277
0.663288	0.924637662	154.1452	-0.06411	0.169371	-0.37851	0.70505	0.999277
7.66E-05	0.006783972	65.98547	-0.4388	0.205294	-2.1374	0.032565	0.626569
0.372901	0.786706792	159.5483	0.013375	0.178253	0.075032	0.94019	0.999277
0.936691	0.986885744	71.89074	-0.10513	0.202519	-0.51909	0.603696	0.999277
0.630706	0.911456731	1289.131	-0.14588	0.115079	-1.26764	0.204928	0.999277
0.311087	0.745298012	67.66823	-0.02647	0.203649	-0.12998	0.896582	0.999277
0.614627	0.905840947	15.34584	-0.04028	0.207632	-0.19401	0.846172	0.999277
0.599082	0.898858206	23.65005	-0.16002	0.212238	-0.75398	0.450862	0.999277
0.691768	0.931889128	44.38047	-0.06791	0.215988	-0.31443	0.753191	0.999277
0.128281	0.547436547	163.0411	0.090614	0.181272	0.499879	0.617161	0.999277
0.558089	0.882863308	80.19583	-0.04481	0.205636	-0.21791	0.827499	0.999277
0.770085	0.94929683	49.96364	-0.05403	0.21258	-0.25415	0.799378	0.999277
0.292346	0.732387143	159.0383	0.012025	0.168692	0.071281	0.943174	0.999277
0.135118	0.560559043	93.37232	0.014549	0.208577	0.069753	0.94439	0.999277
0.654764	0.919908379	48.17158	-0.15142	0.212493	-0.71257	0.476113	0.999277
0.694084	0.932499684	256.5772	-0.06421	0.146363	-0.43868	0.66089	0.999277
0.140757	0.57118319	71.14619	0.023973	0.205861	0.116453	0.907293	0.999277
0.497123	0.853814273	22.41285	-0.18436	0.211574	-0.87136	0.383556	0.999277
0.996257	0.998797671	59.28126	-0.09619	0.209266	-0.45967	0.645757	0.999277

0.3164	0.749216062	98.22889	-0.00409	0.19066	-0.02146	0.982878	0.999277
0.698364	0.93369059	85.7314	-0.04918	0.198392	-0.2479	0.804209	0.999277
0.872335	0.975692252	2417.412	-0.08081	0.112184	-0.72036	0.471304	0.999277
0.765048	0.947560599	64.17962	-0.06907	0.202633	-0.34086	0.733208	0.999277
0.900821	0.981243428	179.8088	-0.10839	0.17065	-0.63516	0.525325	0.999277
0.674126	0.927604313	24.06807	-0.1366	0.216097	-0.63211	0.527315	0.999277
0.806402	0.958353056	24.29537	-0.12593	0.216336	-0.58212	0.560483	0.999277
0.126959	0.544979559	407.5637	-0.2811	0.138669	-2.02714	0.042648	0.674178
0.87626	0.976080495	435.7089	-0.11983	0.130035	-0.92155	0.356763	0.999277
0.466816	0.837742044	105.0948	-0.15965	0.195658	-0.81598	0.414509	0.999277
0.885061	0.977581014	154.9143	-0.10702	0.183815	-0.58222	0.560417	0.999277
0.509923	0.859972228	394.3563	-0.04799	0.138411	-0.34674	0.728784	0.999277
0.691257	0.93167865	385.4947	-0.13694	0.158287	-0.86514	0.386962	0.999277
0.472791	0.841589306	229.1794	-0.15593	0.155201	-1.00472	0.315033	0.999277
0.485593	0.84842492	29.81651	-0.00823	0.215017	-0.03829	0.969455	0.999277
0.328155	0.754981275	439.9917	-0.04521	0.134458	-0.33626	0.736674	0.999277
0.754157	0.943985595	137.4995	-0.12447	0.19272	-0.64585	0.518376	0.999277
0.340373	0.763413261	224.141	-0.21459	0.178489	-1.20224	0.229272	0.999277
0.71761	0.935996695	34.98817	-0.15062	0.216954	-0.69424	0.487535	0.999277
0.085978	0.462853031	328.7346	0.075123	0.141838	0.529638	0.596363	0.999277
0.96589	0.994841882	254.0237	-0.1001	0.152644	-0.65576	0.511977	0.999277
0.013469	0.181128197	204.6097	0.098112	0.160774	0.610246	0.541699	0.999277
0.417924	0.810091848	1108.869	-0.0498	0.107921	-0.46145	0.644473	0.999277
0.752169	0.943440813	163.2537	-0.07336	0.171368	-0.42806	0.668606	0.999277
0.112739	0.518563319	70.06877	0.105564	0.204729	0.515629	0.606113	0.999277
0.318427	0.7500298	46.73656	-0.01797	0.21366	-0.08409	0.932982	0.999277
0.395396	0.796836245	247.5032	-0.18458	0.159414	-1.15789	0.246909	0.999277
0.109332	0.512855014	244.2501	0.071495	0.162158	0.440898	0.659287	0.999277
0.957031	0.99298571	397.4881	-0.09036	0.132515	-0.68191	0.495298	0.999277
0.573693	0.890266465	260.132	-0.03997	0.154844	-0.2581	0.796327	0.999277
0.837683	0.965547986	373.7641	-0.11221	0.157493	-0.71249	0.476164	0.999277
0.190368	0.637982754	74.26798	-0.25189	0.204847	-1.22963	0.218835	0.999277
0.804141	0.957461615	82.96095	-0.12589	0.201639	-0.62434	0.532406	0.999277
0.509041	0.859319627	181.7352	-0.16674	0.167814	-0.99358	0.320426	0.999277
0.113024	0.518563319	255.2413	-0.00377	0.163116	-0.0231	0.98157	0.999277
0.227231	0.676705235	16.06178	0.008666	0.209337	0.041398	0.966979	0.999277
0.921091	0.985704596	566.4537	-0.10698	0.124098	-0.86209	0.388637	0.999277
0.735122	0.938791295	13.42326	-0.06716	0.200483	-0.33498	0.737638	0.999277
0.219133	0.669212189	10.03743	0.079901	0.188062	0.424868	0.670933	0.999277
0.126578	0.544084724	57.44483	0.034871	0.211773	0.164662	0.86921	0.999277
0.073277	0.431176533	73.56283	0.051783	0.202222	0.256069	0.797897	0.999277
0.005679	0.112454204	141.9119	0.131696	0.176087	0.747903	0.454519	0.999277
0.585014	0.893377404	49.75029	-0.05726	0.211296	-0.27102	0.786377	0.999277
0.739374	0.940232174	46.70196	-0.07224	0.21493	-0.33611	0.736787	0.999277
0.736444	0.939196077	67.03185	-0.13891	0.204593	-0.67894	0.497176	0.999277
0.494937	0.853342615	106.1226	-0.03947	0.190555	-0.20714	0.835903	0.999277
0.256932	0.70233271	321.4084	-0.18929	0.143777	-1.31655	0.187988	0.999277
0.169378	0.610039483	117.2236	0.011304	0.184654	0.061219	0.951185	0.999277
0.574904	0.890535872	21.79134	-0.02326	0.215113	-0.10811	0.913905	0.999277
0.843229	0.967256556	37.96426	-0.07941	0.215044	-0.36929	0.711908	0.999277
0.746543	0.941418969	597.406	-0.13073	0.147676	-0.88527	0.376009	0.999277
0.794365	0.95537781	221.1133	-0.12597	0.163234	-0.77173	0.440271	0.999277

0.764823	0.947560599	493.213	-0.13336	0.147044	-0.90693	0.364445	0.999277
0.200981	0.648578288	198.4711	-0.022	0.168534	-0.13056	0.896124	0.999277
0.019286	0.218470576	308.5472	0.081676	0.153347	0.532621	0.594296	0.999277
0.974932	0.996034757	17.84138	-0.10286	0.211746	-0.48577	0.627133	0.999277
0.204453	0.652560422	397.9522	-0.19995	0.162146	-1.23315	0.217519	0.999277
0.240925	0.689306181	32.06326	-0.00037	0.216941	-0.00173	0.998623	0.999986
0.735378	0.938791295	16.22359	-0.05122	0.208675	-0.24546	0.806099	0.999277
0.780772	0.951539521	198.0174	-0.06274	0.162942	-0.38504	0.700211	0.999277
0.376674	0.788552212	122.5576	0.003183	0.178981	0.017783	0.985812	0.999277
0.362747	0.780559211	26.81407	0.013015	0.21462	0.060642	0.951644	0.999277
0.1945	0.640207542	100.8376	0.055342	0.187457	0.295224	0.767823	0.999277
0.859989	0.972502766	228.2847	-0.08856	0.155739	-0.56867	0.569581	0.999277
0.420229	0.811474138	184.2095	-0.01304	0.162074	-0.08049	0.93585	0.999277
0.136546	0.563112253	170.6352	0.055967	0.175581	0.318753	0.749914	0.999277
0.703077	0.934077476	23.65315	-0.06567	0.215253	-0.30509	0.7603	0.999277
0.274804	0.716893573	176.5969	-0.18529	0.16434	-1.12747	0.259546	0.999277
0.035898	0.306225112	27.18722	0.07525	0.216881	0.346965	0.728618	0.999277
0.537116	0.87300917	53.14095	-0.13902	0.212631	-0.65382	0.513226	0.999277
0.406888	0.801957174	134.1028	0.002617	0.182357	0.01435	0.988551	0.999277
0.213009	0.662162147	604.6972	0.01099	0.118227	0.092959	0.925936	0.999277
0.006841	0.124416605	158.9535	0.209057	0.17198	1.21559	0.224141	0.999277
0.544853	0.875466782	268.087	-0.06151	0.147734	-0.41633	0.67717	0.999277
0.133056	0.555792434	607.1989	0.06673	0.124036	0.53799	0.590584	0.999277
0.909486	0.983107133	519.1198	-0.08823	0.123005	-0.7173	0.473189	0.999277
0.745673	0.941321938	17.59211	-0.06125	0.207841	-0.29469	0.768233	0.999277
0.606196	0.902642765	606.6256	-0.03182	0.127018	-0.25053	0.802177	0.999277
0.165329	0.604471747	151.6554	0.021266	0.183715	0.115758	0.907845	0.999277
0.928792	0.985704596	244.0598	-0.10585	0.165488	-0.63961	0.522425	0.999277
0.330985	0.75739504	84.76115	-0.0066	0.198905	-0.03317	0.97354	0.999277
0.888536	0.978618144	132.3147	-0.08522	0.178531	-0.47733	0.633124	0.999277
0.736239	0.939196077	290.7217	-0.0668	0.160536	-0.41613	0.677317	0.999277
0.636251	0.912524658	535.9523	-0.05157	0.146227	-0.35268	0.72433	0.999277
0.396658	0.797432182	215.4204	-0.04423	0.16809	-0.26315	0.792437	0.999277
0.712527	0.935646775	28.63636	-0.0549	0.216923	-0.25308	0.800206	0.999277
0.017492	0.206555943	20.88777	0.139723	0.213403	0.654739	0.512636	0.999277
0.852188	0.969800108	237.8672	-0.11818	0.1592	-0.74234	0.457881	0.999277
0.122569	0.535500153	666.584	0.031362	0.130156	0.240954	0.80959	0.999277
0.446482	0.824037121	149.8559	0.007114	0.175082	0.040631	0.96759	0.999277
0.07835	0.443959007	487.5601	-0.25604	0.159037	-1.60995	0.107409	0.907308
0.218394	0.66879159	97.79049	-0.01229	0.192437	-0.06386	0.949082	0.999277
0.022011	0.236513855	226.6296	0.081987	0.157385	0.520931	0.602415	0.999277
0.796683	0.955760717	263.0898	-0.13506	0.162674	-0.83023	0.406407	0.999277
0.217192	0.667997063	116.1258	-0.01379	0.188598	-0.07312	0.94171	0.999277
0.08946	0.471339513	285.4868	0.007635	0.150867	0.050606	0.959639	0.999277
0.885918	0.977794268	13.10551	-0.11859	0.200596	-0.59117	0.554409	0.999277
0.971854	0.99553873	135.5978	-0.0982	0.180343	-0.54451	0.586093	0.999277
0.376564	0.788552212	24.33308	-0.00675	0.215335	-0.03134	0.975001	0.999277
0.234094	0.683219522	51.78522	0.007652	0.211437	0.036193	0.971129	0.999277
0.003635	0.085692997	756.6524	0.07468	0.126738	0.589248	0.555695	0.999277
0.866716	0.974472542	111.8622	-0.09126	0.192547	-0.47398	0.635518	0.999277
0.979487	0.996602004	279.1082	-0.10396	0.161158	-0.64506	0.518888	0.999277
0.928909	0.985704596	10.79282	-0.09176	0.192927	-0.47562	0.634343	0.999277

0.149873	0.5829813	215.1906	0.043677	0.159068	0.274579	0.78364	0.999277
4.48E-06	0.000935072	231.2643	0.15036	0.163805	0.917923	0.358659	0.999277
0.776584	0.950382298	260.9942	-0.08182	0.157926	-0.51809	0.604396	0.999277
0.247764	0.69548128	1067.777	-0.00767	0.116947	-0.06557	0.947723	0.999277
0.829581	0.963218067	9.423178	-0.07099	0.186134	-0.38137	0.702929	0.999277
0.752926	0.943694423	41.51037	-0.0692	0.216392	-0.31977	0.749141	0.999277
0.632071	0.911471704	949.9917	-0.05263	0.115193	-0.45687	0.647766	0.999277
0.439823	0.820748295	171.8806	-0.02633	0.170979	-0.15402	0.877593	0.999277
0.064228	0.408436453	61.91235	0.051961	0.204804	0.253711	0.799719	0.999277
0.84476	0.967713968	77.31138	-0.12594	0.197773	-0.63677	0.524272	0.999277
0.403563	0.800156836	116.5373	-0.04611	0.183412	-0.25143	0.801485	0.999277
0.029632	0.275639603	336.6583	0.028514	0.144753	0.196983	0.843841	0.999277
0.968002	0.995482952	28.75845	-0.09704	0.21655	-0.44812	0.654066	0.999277
0.437995	0.81929409	68.82349	-0.00384	0.201075	-0.01909	0.98477	0.999277
0.113909	0.520198448	59.51536	0.019256	0.210632	0.091419	0.92716	0.999277
0.218378	0.66879159	108.4551	0.001355	0.183215	0.007397	0.994098	0.999277
0.082701	0.454162753	47.02864	0.029028	0.211299	0.13738	0.890731	0.999277
0.718704	0.936137876	51.46172	-0.13914	0.210958	-0.65955	0.509543	0.999277
0.540693	0.873997923	108.0978	-0.0249	0.185359	-0.13433	0.893139	0.999277
0.668324	0.925067398	110.0844	-0.04413	0.174937	-0.25224	0.800858	0.999277
0.013447	0.1810944	229.4109	0.133445	0.151224	0.882433	0.377543	0.999277
0.582494	0.892926328	75.14374	-0.15084	0.20856	-0.72327	0.469516	0.999277
0.464064	0.835710661	10.46352	-0.02455	0.193977	-0.12656	0.899291	0.999277
0.102654	0.499226634	282.1645	0.017857	0.145517	0.122712	0.902335	0.999277
0.407702	0.802350555	51.69405	-0.01128	0.214427	-0.05259	0.958061	0.999277
0.34027	0.763413261	18.28579	0.007295	0.211938	0.03442	0.972542	0.999277
0.480698	0.846450746	18.81028	-0.00182	0.185741	-0.00978	0.992195	0.999277
0.901609	0.981577309	252.888	-0.08767	0.149471	-0.58652	0.557526	0.999277
0.861785	0.97286097	135.0062	-0.12019	0.178998	-0.67145	0.501936	0.999277
0.302047	0.739758551	20.79603	-0.24971	0.21177	-1.17913	0.238345	0.999277
0.830681	0.963218067	535.2452	-0.12531	0.137718	-0.90993	0.362858	0.999277
0.398638	0.799010282	254.735	-0.18056	0.151338	-1.1931	0.232829	0.999277
0.019429	0.2194278	23.91663	0.134003	0.213066	0.628924	0.529399	0.999277
0.869941	0.975011477	66.70509	-0.12175	0.202618	-0.60091	0.547903	0.999277
0.708094	0.93479128	75.39298	-0.06511	0.200475	-0.32475	0.745367	0.999277
0.618014	0.907302217	1159.359	-0.0593	0.140625	-0.42168	0.673259	0.999277
0.184587	0.631890551	121.9563	-0.19825	0.186175	-1.06485	0.286944	0.999277
0.240401	0.688509899	374.0501	-0.19001	0.138729	-1.36964	0.170799	0.999277
0.327648	0.754803522	122.8062	-0.02003	0.192961	-0.10383	0.917307	0.999277
0.315872	0.74879056	629.0474	0.019272	0.123557	0.155975	0.876053	0.999277
0.255694	0.701792046	44.2436	0.006902	0.21454	0.032171	0.974336	0.999277
0.31813	0.7500298	413.9832	-0.02233	0.137526	-0.16236	0.871019	0.999277
0.428308	0.815119466	364.6408	-0.17753	0.149326	-1.18888	0.234487	0.999277
0.276428	0.718088378	80.02232	-0.23826	0.208611	-1.14211	0.253406	0.999277
0.913551	0.983953937	464.1744	-0.11436	0.137605	-0.8311	0.405915	0.999277
0.95026	0.991323144	451.5113	-0.1117	0.148887	-0.75024	0.453108	0.999277
0.080275	0.447549	150.5918	0.041698	0.173936	0.239733	0.810537	0.999277
0.548992	0.878215662	388.5015	-0.05189	0.15045	-0.34492	0.730152	0.999277
0.731586	0.938791295	98.23613	-0.07094	0.193419	-0.36676	0.713798	0.999277
0.776024	0.950348396	482.4507	-0.07763	0.127062	-0.61099	0.541205	0.999277
0.516478	0.863191046	22.52802	-0.00957	0.080123	-0.11938	0.904973	0.999277
0.777681	0.950382298	97.00794	-0.12064	0.191641	-0.62952	0.529007	0.999277

0.905981	0.982337683	21.84595	-0.09086	0.213667	-0.42523	0.67067	0.999277
0.657689	0.921426159	54.88851	-0.06072	0.20947	-0.28989	0.771902	0.999277
0.881822	0.97678025	140.6318	-0.08785	0.177664	-0.49445	0.620988	0.999277
0.115161	0.522715569	317.1387	0.058501	0.139703	0.41875	0.675399	0.999277
0.664971	0.925057641	188.5315	-0.05455	0.171178	-0.31869	0.749964	0.999277
0.951741	0.992040069	157.4788	-0.09964	0.172813	-0.57658	0.564224	0.999277
0.329555	0.755991379	332.1362	0.011798	0.139704	0.084452	0.932697	0.999277
0.542005	0.875015043	97.15248	-0.19238	0.199552	-0.96406	0.335016	0.999277
0.42971	0.815670844	408.5485	-0.0408	0.148734	-0.27434	0.783825	0.999277
0.429614	0.815670844	446.8825	-0.05064	0.139858	-0.36212	0.717266	0.999277
0.150305	0.583808726	261.0386	0.015899	0.148986	0.106715	0.915015	0.999277
0.330247	0.757064099	133.8087	-0.01049	0.20596	-0.05091	0.959398	0.999277
0.73656	0.939196077	11.25863	-0.0598	0.197518	-0.30276	0.76207	0.999277
0.270302	0.713491766	785.3008	0.0128	0.12467	0.102675	0.918221	0.999277
0.491994	0.852802998	22.32955	-0.02488	0.213729	-0.11643	0.907313	0.999277
0.129203	0.548333708	18.58543	0.086694	0.2094	0.414012	0.678866	0.999277
0.0011	0.038969125	32.33791	0.141658	0.216969	0.652896	0.513824	0.999277
0.825555	0.962521459	29.94176	-0.13198	0.216821	-0.60868	0.542735	0.999277
0.102865	0.499389046	122.5988	0.071653	0.17776	0.40309	0.686882	0.999277
0.21269	0.662162147	10.12159	0.03104	0.192124	0.161563	0.87165	0.999277
0.959523	0.993335648	344.7345	-0.10039	0.138779	-0.72335	0.469463	0.999277
0.813388	0.959202401	379.0121	-0.07835	0.13711	-0.57145	0.567696	0.999277
0.74416	0.940717284	589.1361	-0.14003	0.134615	-1.04024	0.298227	0.999277
0.376339	0.788360619	88.2289	-0.01525	0.192428	-0.07926	0.936829	0.999277
0.568601	0.888146309	44.09056	-0.1632	0.214434	-0.76109	0.446602	0.999277
0.496027	0.853814273	290.1689	-0.04734	0.158593	-0.29848	0.765337	0.999277
0.67067	0.925833209	990.6442	-0.06192	0.109485	-0.56558	0.571678	0.999277
0.365093	0.782124627	50.16709	-0.00359	0.210034	-0.01708	0.986373	0.999277
0.976905	0.996317022	12.97801	-0.1096	0.198612	-0.55184	0.581057	0.999277
0.637835	0.91303762	161.6352	-0.17171	0.167168	-1.02715	0.304349	0.999277
0.755708	0.944599196	30.08345	-0.12922	0.216794	-0.59604	0.551151	0.999277
0.426794	0.814589985	597.1058	-0.05112	0.131745	-0.38805	0.697976	0.999277
0.003464	0.082686697	1389.658	0.068665	0.108569	0.632456	0.527089	0.999277
0.573332	0.890076329	123.5895	-0.0531	0.187821	-0.28272	0.777392	0.999277
0.238323	0.687563477	234.7387	-0.00141	0.149559	-0.00941	0.992493	0.999277
0.965555	0.994841882	48.68459	-0.11191	0.211494	-0.52914	0.596706	0.999277
0.580821	0.892820666	122.47	-0.07678	0.17884	-0.42934	0.667679	0.999277
0.318212	0.7500298	288.9996	-0.01413	0.163382	-0.08649	0.931079	0.999277
0.10132	0.496460957	96.731	-0.30246	0.199402	-1.51684	0.129308	0.952195
0.358121	0.776142565	285.7829	-0.16605	0.153651	-1.08072	0.279824	0.999277
0.14452	0.574285215	971.7641	0.006157	0.119086	0.0517	0.958767	0.999277
0.220685	0.671412196	148.6348	0.021417	0.177365	0.120752	0.903887	0.999277
0.654671	0.919908379	54.26294	-0.15511	0.210217	-0.73788	0.460589	0.999277
0.60749	0.90368634	38.28957	-0.03396	0.216047	-0.15719	0.875099	0.999277
0.469271	0.839514879	37.51671	-0.00429	0.216527	-0.01982	0.984186	0.999277
0.214943	0.665774183	4352.882	-0.23789	0.104858	-2.26871	0.023286	0.533496
0.648383	0.918363176	15.88553	-0.05072	0.208998	-0.24266	0.80827	0.999277
0.443852	0.823108694	15.8306	-0.02546	0.208884	-0.12189	0.902985	0.999277
0.72443	0.9379278	29.12774	-0.06239	0.21686	-0.28769	0.773586	0.999277
0.569461	0.888674368	563.1056	-0.05415	0.127467	-0.42485	0.670944	0.999277
0.248205	0.69561779	499.1579	0.035657	0.131483	0.271189	0.786246	0.999277
0.028534	0.270890373	40.28038	0.125231	0.215332	0.581574	0.560853	0.999277

0.981031	0.997219713	36.53618	-0.10526	0.216827	-0.48544	0.627366	0.999277
0.748426	0.942119652	207.5268	-0.14021	0.158814	-0.88287	0.377307	0.999277
0.443518	0.822717611	363.29	0.002757	0.140895	0.019568	0.984388	0.999277
0.382935	0.790738618	17.71369	0.008846	0.211526	0.041822	0.966641	0.999277
0.011126	0.163343338	179.5373	0.087089	0.174468	0.499169	0.617661	0.999277
0.000772	0.031284996	241.2384	0.311091	0.160166	1.942301	0.052101	0.719001
0.063666	0.406020695	83.83689	0.145466	0.196619	0.739837	0.459399	0.999277
0.728483	0.938587002	145.3203	-0.0746	0.178541	-0.41782	0.676075	0.999277
0.326995	0.754362047	45.2105	-0.2076	0.215165	-0.96483	0.33463	0.999277
0.326834	0.754362047	25.46709	0.030723	0.216256	0.142066	0.887028	0.999277
0.747448	0.942075744	14.29596	-0.08139	0.200333	-0.40628	0.684538	0.999277
0.08036	0.447756071	198.755	-0.26106	0.168398	-1.55027	0.121078	0.929931
0.987031	0.998233097	58.5545	-0.10958	0.207957	-0.52692	0.598253	0.999277
0.161981	0.601189469	532.8412	-0.23178	0.122904	-1.88587	0.059313	0.754032
0.75954	0.945577828	49.45249	-0.07108	0.214625	-0.33118	0.740505	0.999277
0.689984	0.93167865	233.459	-0.05698	0.154896	-0.36789	0.712958	0.999277
0.603305	0.900645942	307.8584	-0.04359	0.151105	-0.28847	0.772986	0.999277
0.588047	0.894310786	221.3125	-0.04633	0.180284	-0.25697	0.797201	0.999277
0.518697	0.86440858	274.1275	-0.17288	0.160874	-1.07465	0.282533	0.999277
0.416586	0.808671222	129.3226	-0.02443	0.180314	-0.13548	0.892234	0.999277
0.8677	0.974472542	1156.494	-0.12819	0.131131	-0.97761	0.32827	0.999277
0.100125	0.493095328	54.45732	0.072949	0.208413	0.350023	0.726322	0.999277
0.799792	0.956574326	339.44	-0.07889	0.149131	-0.52901	0.596797	0.999277
0.499472	0.854880734	48.46389	-0.03613	0.211217	-0.17105	0.864181	0.999277
0.249675	0.696307261	581.8175	-0.23294	0.134999	-1.72552	0.084434	0.841745
0.053341	0.374910234	248.0262	0.108868	0.148287	0.734174	0.462843	0.999277
0.5869	0.894310786	15.52777	-0.06167	0.207422	-0.29733	0.766216	0.999277
0.479691	0.845690847	64.73492	-0.04301	0.210191	-0.20461	0.837878	0.999277
0.06897	0.421143478	168.4197	0.023462	0.170805	0.137359	0.890747	0.999277
0.262526	0.705744981	31.15596	0.013096	0.217017	0.060344	0.951882	0.999277
0.732123	0.938791295	67.7827	-0.14339	0.203176	-0.70574	0.480351	0.999277
0.430436	0.816119203	351.4204	-0.15408	0.146534	-1.05147	0.293043	0.999277
0.562929	0.885085584	128.8513	-0.06314	0.177509	-0.35569	0.722074	0.999277
0.465549	0.836748046	121.8497	-0.06511	0.202351	-0.32176	0.747632	0.999277
0.002681	0.070548973	76.13704	0.065471	0.202451	0.323392	0.746398	0.999277
0.164964	0.603971115	63.23398	0.015825	0.203733	0.077677	0.938085	0.999277
0.847376	0.968439555	1040.504	-0.13034	0.147502	-0.88363	0.376895	0.999277
0.749822	0.942353483	135.4648	-0.13826	0.175985	-0.78564	0.432081	0.999277
0.914527	0.984099722	119.997	-0.09973	0.178158	-0.55976	0.575643	0.999277
0.229241	0.679437726	52.76148	-0.02724	0.211544	-0.12874	0.89756	0.999277
0.224931	0.674923769	68.30812	0.038802	0.20168	0.192395	0.847433	0.999277
0.917571	0.984558013	101.2599	-0.10242	0.200609	-0.51055	0.609669	0.999277
0.708628	0.93479128	15.96964	-0.14518	0.206625	-0.70265	0.482276	0.999277
0.100897	0.495116203	406.042	-0.00986	0.147321	-0.0669	0.946658	0.999277
0.117926	0.528079741	17.36621	0.095219	0.210426	0.452507	0.650904	0.999277
0.122196	0.535362129	211.1057	-0.26113	0.154307	-1.69225	0.090597	0.858502
0.29475	0.733827953	91.11585	-0.02976	0.191356	-0.15554	0.876398	0.999277
0.643616	0.914943952	19.07735	-0.04175	0.188801	-0.22113	0.824988	0.999277
0.013794	0.183462085	100.9484	0.053366	0.195852	0.272482	0.785252	0.999277
0.150556	0.584003861	143.1394	0.008335	0.175474	0.047498	0.962117	0.999277
0.333608	0.758949115	655.8132	-0.02615	0.120833	-0.21645	0.828635	0.999277
0.984641	0.997439038	28.08357	-0.10677	0.216859	-0.49234	0.622477	0.999277

0.065343	0.411806789	47.9759	0.127717	0.21369	0.597676	0.550056	0.999277
0.049571	0.359728439	52.89694	0.10224	0.212483	0.481167	0.630398	0.999277
0.691361	0.93167865	52.3006	-0.06688	0.213201	-0.31367	0.75377	0.999277
0.017558	0.206966457	160.294	0.19962	0.166423	1.19947	0.230345	0.999277
0.052557	0.371705323	123.9941	0.071995	0.18284	0.393758	0.69376	0.999277
0.600084	0.898993255	30.83113	-0.05758	0.216964	-0.2654	0.790702	0.999277
0.043366	0.336038634	59.78384	-0.26525	0.209532	-1.2659	0.20555	0.999277
0.358842	0.776427317	117.5827	-0.19744	0.190793	-1.03482	0.300753	0.999277
0.230194	0.680403181	769.1929	-0.03291	0.124999	-0.26326	0.792353	0.999277
0.28564	0.726541819	278.7287	-0.06252	0.146792	-0.42591	0.670174	0.999277
0.334781	0.759008088	115.3825	-0.02342	0.179728	-0.13033	0.896309	0.999277
0.248556	0.696015371	273.6151	-0.00448	0.143556	-0.03122	0.975091	0.999277
0.386725	0.79280619	294.6524	0.007088	0.157678	0.044955	0.964143	0.999277
0.164964	0.603971115	64.04047	0.014813	0.203309	0.072858	0.941919	0.999277
0.358559	0.776360158	13.12106	0.01892	0.198	0.095553	0.923875	0.999277
0.26463	0.707885757	539.5192	0.013386	0.164249	0.081497	0.935046	0.999277
0.889606	0.978618144	259.1552	-0.12292	0.146948	-0.83646	0.402897	0.999277
0.193755	0.639447293	477.7311	0.01459	0.159587	0.091427	0.927154	0.999277
0.953288	0.992357094	125.7869	-0.11616	0.185915	-0.62481	0.532093	0.999277
0.826445	0.962521459	19.5373	-0.13283	0.21153	-0.62797	0.530025	0.999277
0.888024	0.978595482	519.3932	-0.12764	0.134361	-0.94999	0.342116	0.999277
0.032117	0.287421248	266.9756	0.102496	0.158382	0.647142	0.51754	0.999277
0.998201	0.998980571	219.3258	-0.11083	0.158583	-0.6989	0.484612	0.999277
0.035039	0.303099049	39.30996	0.038877	0.214573	0.181185	0.856223	0.999277
0.654816	0.919908379	53.87984	-0.06253	0.210662	-0.29682	0.766607	0.999277
0.064351	0.408830762	169.1584	0.04	0.175831	0.227489	0.820043	0.999277
0.186552	0.632742223	15.08652	0.08208	0.204439	0.40149	0.688059	0.999277
0.619415	0.907334933	52.15645	-0.16607	0.213937	-0.77626	0.437594	0.999277
0.123573	0.536822494	547.2956	-0.00468	0.127408	-0.03676	0.970677	0.999277
0.359768	0.777276904	122.5339	-0.00166	0.199385	-0.00833	0.993356	0.999277
0.071478	0.4271135	87.80108	0.098254	0.194455	0.505279	0.613363	0.999277
0.279446	0.721123198	22.71029	-0.01609	0.214783	-0.07493	0.940272	0.999277
0.17534	0.617729055	158.592	0.002284	0.16713	0.013664	0.989098	0.999277
0.820984	0.960727032	314.6042	-0.13696	0.155565	-0.88043	0.378627	0.999277
0.008508	0.140580681	15.17455	0.202295	0.203687	0.993163	0.320631	0.999277
0.144074	0.573945795	270.5876	0.022124	0.148012	0.149476	0.881178	0.999277
0.450713	0.826431366	60.32023	-0.02848	0.206525	-0.13792	0.890306	0.999277
0.878441	0.976223954	207.1317	-0.09221	0.156253	-0.59014	0.555098	0.999277
0.721988	0.937570682	119.6666	-0.07477	0.185526	-0.40304	0.68692	0.999277
0.271785	0.714919459	27.21177	-0.01046	0.216282	-0.04835	0.96144	0.999277
0.497051	0.853814273	115.5974	-0.2063	0.181421	-1.13714	0.25548	0.999277
0.289069	0.728676762	395.1525	0.007069	0.154998	0.045605	0.963625	0.999277
0.903072	0.98194044	44.97065	-0.12496	0.216289	-0.57773	0.563448	0.999277
0.015461	0.194412567	12.49691	0.217305	0.193182	1.124876	0.260641	0.999277
0.511837	0.861244268	68.21657	-0.04128	0.203764	-0.20259	0.839452	0.999277
0.587833	0.894310786	92.80899	-0.04703	0.19484	-0.24136	0.809273	0.999277
0.870769	0.975491768	18.54726	-0.0901	0.211325	-0.42636	0.669842	0.999277
0.641693	0.914411444	217.7515	-0.15084	0.159011	-0.94858	0.342832	0.999277
0.231773	0.681647826	10.38143	0.044878	0.182097	0.246451	0.805333	0.999277
0.203006	0.650453833	43.66532	0.019844	0.215589	0.092047	0.92666	0.999277
0.892524	0.979423868	238.9091	-0.10237	0.151219	-0.67694	0.498444	0.999277
0.762985	0.946679481	512.5819	-0.08845	0.127025	-0.69628	0.486251	0.999277

0.064391	0.408887937	110.9961	0.056124	0.187848	0.298772	0.765114	0.999277
0.735623	0.938987633	551.0645	-0.0744	0.123332	-0.60324	0.546346	0.999277
0.044921	0.342308082	24.23906	0.110464	0.215965	0.51149	0.609008	0.999277
0.424545	0.813996405	122.7611	-0.03385	0.184012	-0.18396	0.854049	0.999277
0.80294	0.957090635	34.98966	-0.09238	0.217012	-0.42569	0.670331	0.999277
0.21573	0.666895945	23.30479	0.01551	0.21548	0.071981	0.942617	0.999277
0.475282	0.842414553	153.4056	-0.01931	0.168442	-0.11465	0.908726	0.999277
0.075621	0.437207049	23.08826	0.024603	0.215721	0.114051	0.909198	0.999277
0.939441	0.987896639	48.29355	-0.10447	0.214026	-0.4881	0.625481	0.999277
0.253078	0.69894633	11.74446	0.041228	0.198777	0.207407	0.835692	0.999277
0.666951	0.925067398	195.4907	-0.06345	0.168542	-0.37649	0.70655	0.999277
0.126323	0.54329439	90.04422	0.023772	0.193834	0.122641	0.902391	0.999277
0.12582	0.542168054	307.1665	0.026112	0.154423	0.169096	0.865721	0.999277
0.536408	0.872707347	26.2538	-0.18364	0.216878	-0.84674	0.397138	0.999277
0.166827	0.60580613	14.71921	0.080744	0.205717	0.3925	0.694689	0.999277
0.563306	0.885328718	42.5321	-0.03425	0.215144	-0.15921	0.873504	0.999277
0.941749	0.988562371	189.3634	-0.12073	0.165549	-0.72927	0.465837	0.999277
0.068516	0.420890985	70.57245	0.029669	0.201028	0.147586	0.88267	0.999277
0.691853	0.931889128	111.2949	-0.07677	0.188077	-0.40821	0.683121	0.999277
0.758593	0.945376634	79.15047	-0.07704	0.197011	-0.39103	0.695773	0.999277
0.729624	0.938791295	29.65729	-0.08434	0.216914	-0.38884	0.697396	0.999277
0.826489	0.962521459	20.04717	-0.08046	0.211338	-0.3807	0.703429	0.999277
0.408149	0.802429928	92.138	-0.18578	0.192998	-0.96259	0.335753	0.999277
0.406674	0.801957174	10.38829	0.003769	0.193927	0.019436	0.984493	0.999277
0.323211	0.752677321	502.9713	-0.02409	0.148017	-0.16272	0.87074	0.999277
0.066572	0.414415546	171.6025	0.030307	0.164144	0.184636	0.853514	0.999277
0.644928	0.915384904	288.5962	-0.06331	0.147106	-0.43037	0.666927	0.999277
0.18113	0.626594175	104.662	0.070304	0.187119	0.375716	0.707128	0.999277
0.435301	0.818033868	34.7159	-0.0307	0.216544	-0.14176	0.887267	0.999277
0.391557	0.794949112	170.6012	-0.17332	0.177552	-0.97615	0.328991	0.999277
0.021136	0.231203181	347.7588	-0.3061	0.17349	-1.76434	0.077674	0.819387
0.147891	0.579895477	25.31249	0.078799	0.215938	0.364914	0.715176	0.999277
0.346366	0.767934347	1649.958	-0.01819	0.109722	-0.16581	0.868304	0.999277
0.935071	0.986685518	153.4827	-0.1205	0.176052	-0.68446	0.493682	0.999277
0.078941	0.445187123	121.9797	0.012923	0.181592	0.071166	0.943265	0.999277
0.231004	0.680589817	105.3373	-0.02408	0.187999	-0.12811	0.898063	0.999277
0.308281	0.743099434	43.88264	0.031995	0.214735	0.148998	0.881555	0.999277
0.86927	0.974874735	271.3732	-0.13718	0.151763	-0.90393	0.366031	0.999277
0.617121	0.906987857	44.5177	-0.05245	0.214578	-0.24445	0.80688	0.999277
0.013228	0.179926318	1087.31	0.015785	0.106615	0.148058	0.882297	0.999277
0.327974	0.754803522	83.84106	-0.00089	0.201158	-0.00443	0.996464	0.999367
0.053373	0.374910234	85.3332	0.075724	0.206504	0.366695	0.713846	0.999277
0.429238	0.815457184	555.3894	-0.04897	0.126679	-0.38657	0.699074	0.999277
0.967244	0.995086243	65.00184	-0.10898	0.202861	-0.53719	0.591135	0.999277
0.117496	0.527211798	427.4185	-0.00594	0.147565	-0.04025	0.967895	0.999277
0.260137	0.704211455	315.0571	0.002491	0.14656	0.016999	0.986438	0.999277
0.392654	0.795485504	37.42664	-0.04501	0.215377	-0.209	0.834445	0.999277
0.191564	0.638563236	65.55912	-0.00037	0.202355	-0.00185	0.998522	0.999986
0.763199	0.946679481	120.4057	-0.13754	0.187082	-0.73516	0.462241	0.999277
0.502256	0.856224747	105.7533	-0.16518	0.184275	-0.89639	0.370042	0.999277
0.864912	0.973827576	18.32474	-0.13558	0.212428	-0.63823	0.523321	0.999277
0.01759	0.207154416	154.1145	0.027254	0.175101	0.155647	0.876311	0.999277

0.606175	0.902642765	180.7903	-0.08264	0.161294	-0.51234	0.608415	0.999277
0.098532	0.490347179	217.629	-0.00123	0.159214	-0.0077	0.993856	0.999277
0.855431	0.970970725	1180.061	-0.09987	0.111662	-0.89435	0.371134	0.999277
0.317421	0.750019078	117.2126	-0.21435	0.196502	-1.09083	0.275346	0.999277
0.577966	0.891871365	333.1321	-0.13969	0.156406	-0.8931	0.371804	0.999277
0.32778	0.754803522	206.5111	-0.17507	0.155451	-1.12618	0.260089	0.999277
0.516619	0.863191046	546.1494	-0.18369	0.159737	-1.14995	0.250166	0.999277
0.703621	0.934362898	265.4834	-0.15873	0.161626	-0.98205	0.326073	0.999277
0.509086	0.859319627	51.20969	-0.02738	0.210061	-0.13035	0.896289	0.999277
0.830182	0.963218067	275.063	-0.08549	0.158452	-0.53954	0.589513	0.999277
0.683352	0.930558497	61.20021	-0.15823	0.204841	-0.77243	0.439859	0.999277
0.085072	0.459828914	45.72437	0.008973	0.212055	0.042314	0.966249	0.999277
0.027269	0.263586645	103.0921	0.088344	0.184908	0.477774	0.632811	0.999277
0.245965	0.693889675	42.59677	-0.02682	0.215295	-0.12456	0.900869	0.999277
0.581179	0.892820666	161.631	-0.16134	0.166898	-0.96672	0.333686	0.999277
0.177715	0.620338094	25.29738	0.005775	0.215035	0.026857	0.978574	0.999277
0.360944	0.778938116	162.9814	-0.03669	0.171689	-0.2137	0.83078	0.999277
0.932068	0.986607773	222.7683	-0.10604	0.154335	-0.68707	0.492037	0.999277
0.973545	0.995861805	318.3676	-0.11088	0.141867	-0.78156	0.434471	0.999277
0.317013	0.750019078	316.0903	-0.04526	0.140576	-0.32197	0.747477	0.999277
0.189567	0.637323952	333.5599	0.025528	0.144653	0.176475	0.859921	0.999277
0.241743	0.689435681	378.2683	-0.02923	0.139419	-0.20963	0.833955	0.999277
0.080289	0.447549	87.80783	0.030781	0.192136	0.160207	0.872718	0.999277
0.142686	0.572012811	210.1137	0.00836	0.155448	0.053777	0.957113	0.999277
0.998692	0.999140846	1351.665	-0.11478	0.116427	-0.98585	0.324205	0.999277
0.477192	0.84304528	292.4624	-0.03023	0.153453	-0.19701	0.84382	0.999277
0.272989	0.715639956	102.5924	-0.1806	0.193707	-0.93236	0.351151	0.999277
0.288283	0.728621266	92.23971	-0.21547	0.209983	-1.02611	0.304838	0.999277
0.41938	0.811383575	492.1639	-0.04308	0.135068	-0.31895	0.749762	0.999277
0.121917	0.535015762	131.9922	0.021869	0.17993	0.121541	0.903262	0.999277
0.965006	0.994841882	290.1908	-0.11079	0.172462	-0.64238	0.520624	0.999277
0.234371	0.683219522	29.15811	-0.00533	0.21698	-0.02454	0.980421	0.999277
0.766366	0.948342795	54.04913	-0.15845	0.211641	-0.74867	0.454057	0.999277
0.226348	0.675763848	169.4414	-0.01917	0.174974	-0.10954	0.912777	0.999277
0.336786	0.759927857	69.85657	-0.02198	0.209205	-0.10508	0.916311	0.999277
0.725999	0.938270758	48.71725	-0.09133	0.216186	-0.42246	0.672687	0.999277
0.876872	0.976193157	216.462	-0.12588	0.158155	-0.79592	0.42608	0.999277
0.740582	0.940232174	424.6438	-0.14264	0.135073	-1.05603	0.290956	0.999277
0.431053	0.816304844	85.88074	-0.02728	0.194675	-0.14012	0.888566	0.999277
0.053468	0.374910234	165.1329	0.021352	0.171737	0.124332	0.901052	0.999277
0.928761	0.985704596	713.9831	-0.12432	0.114721	-1.08366	0.278517	0.999277
0.702805	0.934077476	668.601	-0.08277	0.121489	-0.6813	0.49568	0.999277
0.32046	0.750866885	38.07818	-0.05206	0.216202	-0.24079	0.809718	0.999277
0.36762	0.783729543	87.92841	-0.21995	0.191837	-1.14654	0.251571	0.999277
0.269095	0.711911233	198.7498	-0.02919	0.16445	-0.1775	0.859114	0.999277
0.507713	0.85889821	60.19765	-0.04326	0.208069	-0.2079	0.835307	0.999277
0.587633	0.894310786	66.64083	-0.19016	0.204901	-0.92806	0.353378	0.999277
0.662519	0.924602564	109.259	-0.15564	0.187277	-0.83107	0.405932	0.999277
0.777562	0.950382298	50.03723	-0.08131	0.211375	-0.38468	0.700477	0.999277
0.095416	0.485498497	34.54845	0.072694	0.216771	0.335352	0.73736	0.999277
0.43946	0.820655814	332.1865	-0.06502	0.143704	-0.45247	0.65093	0.999277
0.03066	0.28049317	355.667	-0.25748	0.140893	-1.82747	0.067629	0.786471

0.10955	0.512855014	75.72621	-0.01612	0.2102	-0.07671	0.938853	0.999277
0.963494	0.994289023	18.16632	-0.11191	0.211308	-0.52963	0.596369	0.999277
0.701962	0.934077476	42.55133	-0.07109	0.215526	-0.32984	0.741521	0.999277
0.236062	0.684925496	560.5582	-0.20614	0.143022	-1.44135	0.149485	0.981396
0.498629	0.85416174	498.7418	-0.03854	0.147541	-0.26122	0.793924	0.999277
0.004438	0.097726473	180.0416	0.085758	0.163638	0.524073	0.600228	0.999277
0.209369	0.65811965	37.56425	-0.00364	0.215136	-0.01693	0.986492	0.999277
0.538754	0.873794135	222.3855	-0.18539	0.16662	-1.11266	0.265855	0.999277
0.325417	0.754238284	27.36182	-0.19873	0.216846	-0.91646	0.359426	0.999277
0.591877	0.895697175	813.5811	-0.05272	0.113385	-0.465	0.641932	0.999277
0.354617	0.774326904	545.323	-0.19175	0.139	-1.37951	0.167738	0.999277
0.221309	0.67182881	53.37193	-0.23104	0.21345	-1.08239	0.279079	0.999277
0.447626	0.824078276	15.21286	-0.04597	0.207654	-0.22138	0.824798	0.999277
0.650688	0.91886709	189.9371	-0.07198	0.159761	-0.45054	0.652323	0.999277
0.248961	0.696015371	832.9789	-0.00309	0.124213	-0.02484	0.980182	0.999277
0.21548	0.666587903	36.68571	0.028142	0.21634	0.130083	0.896501	0.999277
0.102613	0.499226634	140.6792	0.074558	0.183544	0.406217	0.684583	0.999277
0.280625	0.721618953	357.4365	-0.003	0.141281	-0.02126	0.983039	0.999277
0.570083	0.888935841	56.84265	-0.05868	0.208853	-0.28096	0.778744	0.999277
0.151988	0.587634068	202.0423	-0.23138	0.161611	-1.43173	0.152221	0.987797
0.344028	0.766294086	29.16322	-0.00804	0.216058	-0.03719	0.970332	0.999277
0.622459	0.907988155	563.3519	-0.17365	0.125526	-1.38336	0.166556	0.999277
0.277158	0.719029782	185.7158	-0.0462	0.163142	-0.28322	0.777009	0.999277
0.104876	0.501924467	140.8282	0.03055	0.173444	0.176135	0.860188	0.999277
0.657934	0.921507968	197.2169	-0.08589	0.16053	-0.53503	0.592626	0.999277
0.239612	0.688236474	316.1692	-0.03774	0.150066	-0.2515	0.801425	0.999277
0.661429	0.923825455	393.1373	-0.06529	0.142915	-0.45683	0.647794	0.999277
0.159505	0.597562896	64.80747	0.075601	0.211594	0.357292	0.720874	0.999277
0.698378	0.93369059	83.86512	-0.08745	0.194484	-0.44966	0.652953	0.999277
0.883019	0.976958449	118.5325	-0.10029	0.191798	-0.52288	0.601058	0.999277
0.706445	0.93479128	85.66153	-0.14955	0.197659	-0.75661	0.449286	0.999277
0.370681	0.785482522	31.88458	0.00039	0.216996	0.001797	0.998566	0.999986
0.809436	0.958353056	425.7894	-0.08238	0.136878	-0.60181	0.547299	0.999277
0.842395	0.967047167	871.296	-0.13479	0.130756	-1.03086	0.302606	0.999277
0.027314	0.263611498	371.1017	0.10353	0.150688	0.687045	0.492054	0.999277
0.563307	0.885328718	20.52316	-0.03561	0.213742	-0.16659	0.867694	0.999277
0.209395	0.65811965	11.01176	0.049517	0.195243	0.253618	0.799791	0.999277
0.923935	0.985704596	11.51793	-0.10507	0.197135	-0.53301	0.594027	0.999277
0.177352	0.620267075	677.7257	-0.22222	0.123749	-1.79573	0.072538	0.804529
0.117039	0.526398912	97.28604	0.012073	0.189166	0.063823	0.949111	0.999277
0.356055	0.774871619	26.78145	-0.22149	0.216225	-1.02436	0.305666	0.999277
0.858466	0.972302056	223.4387	-0.09664	0.157894	-0.61204	0.540513	0.999277
0.095451	0.485498497	69.04	0.043049	0.207562	0.207401	0.835696	0.999277
0.066218	0.413684134	18.71577	0.076669	0.210602	0.364044	0.715825	0.999277
0.581206	0.892820666	96.72883	-0.03957	0.192683	-0.20534	0.837308	0.999277
0.600394	0.899004654	9.725509	-0.06089	0.189454	-0.3214	0.747909	0.999277
0.295091	0.73426607	32.6787	-0.00789	0.215218	-0.03667	0.970748	0.999277
0.80539	0.957968148	143.6833	-0.09726	0.179749	-0.54111	0.588433	0.999277
0.916399	0.98454795	87.55419	-0.10979	0.193834	-0.56641	0.571114	0.999277
0.112339	0.518520871	12.52967	0.04158	0.200532	0.207349	0.835737	0.999277
0.486427	0.849388309	729.4774	-0.18192	0.170179	-1.06898	0.285077	0.999277
0.71919	0.93623476	34.50545	-0.08302	0.216107	-0.38417	0.700854	0.999277

0.920018	0.985704596	59.91423	-0.12731	0.20609	-0.61775	0.536741	0.999277
0.800317	0.956574326	58.42769	-0.10157	0.212109	-0.47886	0.632037	0.999277
0.408323	0.802537766	33.76814	-0.0285	0.216609	-0.13157	0.895326	0.999277
0.834791	0.964681778	190.6489	-0.09343	0.162367	-0.5754	0.565019	0.999277
0.517588	0.86393847	107.7707	-0.06713	0.195989	-0.34251	0.731964	0.999277
0.13366	0.556756887	98.32646	-0.02681	0.19668	-0.13633	0.89156	0.999277
0.051031	0.364803701	1002.278	0.128385	0.117714	1.090647	0.275428	0.999277
0.389758	0.794805703	92.04254	-0.065	0.191489	-0.33946	0.734265	0.999277
0.326799	0.754362047	179.7204	-0.05785	0.162391	-0.35624	0.721661	0.999277
0.193952	0.639447293	71.20467	-0.01419	0.200555	-0.07073	0.943609	0.999277
0.006034	0.115275297	116.9267	0.061078	0.181004	0.33744	0.735785	0.999277
0.949247	0.991148678	50.80284	-0.1263	0.214347	-0.58924	0.5557	0.999277
0.468889	0.839330385	45.63304	-0.05318	0.213039	-0.2496	0.802895	0.999277
0.437231	0.819027755	26.44589	-0.02856	0.215897	-0.13228	0.894759	0.999277
0.847225	0.968350774	538.1487	-0.13869	0.131927	-1.05129	0.293127	0.999277
0.128556	0.547610488	30.84302	0.029838	0.216987	0.137512	0.890626	0.999277
0.359536	0.777189198	307.5152	-0.00965	0.144442	-0.06679	0.946748	0.999277
0.308525	0.743099434	235.2028	0.001036	0.159791	0.006486	0.994825	0.999277
0.545935	0.876016244	32.03344	-0.19459	0.217006	-0.8967	0.36988	0.999277
0.380969	0.790279608	282.0829	-0.23492	0.146265	-1.6061	0.108253	0.909828
0.808305	0.958353056	160.6576	-0.09857	0.183361	-0.53755	0.590885	0.999277
0.658919	0.922096564	49.13506	-0.16427	0.210577	-0.78008	0.435344	0.999277
0.555909	0.882189828	15.0224	-0.03682	0.201032	-0.18316	0.85467	0.999277
0.555909	0.882189828	15.0224	-0.03682	0.201032	-0.18318	0.854658	0.999277
0.685785	0.931172733	531.8467	-0.06736	0.139446	-0.48309	0.629035	0.999277
0.983797	0.997439038	123.8682	-0.11755	0.191882	-0.61264	0.540114	0.999277
0.746893	0.941593646	750.4333	-0.07787	0.134884	-0.57735	0.563705	0.999277
0.377374	0.788723282	434.3178	-0.05832	0.14653	-0.39803	0.690605	0.999277
0.390532	0.794805703	54.22406	-0.03788	0.214194	-0.17686	0.85962	0.999277
0.104541	0.501644228	10.84207	0.063932	0.186775	0.342296	0.732129	0.999277
0.320167	0.750866885	249.1292	-0.05312	0.15221	-0.34896	0.727116	0.999277
0.294592	0.733827953	56.43253	-0.04613	0.208796	-0.22095	0.825132	0.999277
0.734221	0.938791295	28.45426	-0.08501	0.217017	-0.39174	0.69525	0.999277
0.819627	0.960194571	206.2885	-0.14959	0.159991	-0.93498	0.349796	0.999277
0.312277	0.746061059	153.9542	-0.02946	0.171996	-0.17127	0.864014	0.999277
0.864731	0.973827576	41.943	-0.10118	0.214788	-0.47107	0.637589	0.999277
0.088787	0.469467294	121.235	0.056803	0.183259	0.30996	0.756592	0.999277
0.859486	0.972502766	73.07896	-0.13993	0.208391	-0.67147	0.501919	0.999277
0.928002	0.985704596	82.99968	-0.10775	0.200013	-0.53871	0.590089	0.999277
0.01152	0.166296135	384.0349	0.03002	0.140238	0.214065	0.830496	0.999277
0.327039	0.754362047	696.6745	-0.01277	0.118858	-0.10745	0.91443	0.999277
0.365292	0.782140075	41.74294	-0.00251	0.214222	-0.01169	0.99067	0.999277
0.346344	0.767934347	31.80354	-0.04529	0.216964	-0.20876	0.834633	0.999277
0.498286	0.854017559	81.30384	-0.05676	0.198252	-0.28629	0.774653	0.999277
0.945718	0.989708344	229.8685	-0.11514	0.169909	-0.67765	0.497992	0.999277
0.832316	0.963806766	29.24203	-0.08951	0.215114	-0.41609	0.677346	0.999277
0.266474	0.70955411	103.7294	-0.03638	0.190249	-0.19122	0.848354	0.999277
0.14006	0.570385058	133.1504	0.037535	0.177941	0.21094	0.832934	0.999277
0.122335	0.535500153	550.7386	0.020562	0.131064	0.156887	0.875334	0.999277
0.542903	0.875213603	378.1327	-0.04744	0.140265	-0.33823	0.735193	0.999277
0.1116	0.516713417	21.57306	0.034644	0.211093	0.164116	0.86964	0.999277
0.865063	0.973915722	127.9871	-0.10378	0.179077	-0.57954	0.562222	0.999277

0.12136	0.534218212	199.0881	-0.01679	0.168422	-0.09969	0.92059	0.999277
0.218083	0.668742889	92.92211	0.000804	0.203014	0.003962	0.996839	0.999527
0.798258	0.956401774	100.3741	-0.151	0.202379	-0.74614	0.455581	0.999277
0.991813	0.998538548	244.7231	-0.11949	0.15307	-0.78063	0.435021	0.999277
0.882251	0.976939501	98.69812	-0.14071	0.190276	-0.73951	0.459596	0.999277
0.190533	0.638148448	84.73919	-0.23227	0.193476	-1.2005	0.229945	0.999277
0.841127	0.966670198	162.0498	-0.1475	0.184534	-0.79932	0.424104	0.999277
0.871828	0.975692252	496.7943	-0.10692	0.135617	-0.78843	0.430445	0.999277
0.108033	0.510417982	170.4435	-0.01859	0.174424	-0.10659	0.915116	0.999277
0.916623	0.98454795	107.7825	-0.13036	0.19268	-0.67655	0.498693	0.999277
0.809739	0.958353056	107.6715	-0.09806	0.187548	-0.52286	0.601072	0.999277
0.481115	0.846450746	98.89367	-0.02911	0.186402	-0.15618	0.875889	0.999277
0.140303	0.570712753	104.8256	0.005495	0.189963	0.028928	0.976922	0.999277
0.994755	0.998654685	146.2629	-0.12172	0.175297	-0.69434	0.48747	0.999277
0.408323	0.802537766	33.4838	-0.03139	0.216683	-0.14485	0.884832	0.999277
0.042098	0.332540301	600.9159	0.03522	0.121531	0.289801	0.771968	0.999277
0.260976	0.704480069	413.4292	-0.00428	0.16709	-0.02564	0.979548	0.999277
0.053873	0.375679925	405.5276	0.062229	0.154999	0.401477	0.688069	0.999277
0.544038	0.875213603	17.0781	-0.07785	0.207528	-0.37514	0.707554	0.999277
0.252649	0.698438177	69.58566	-0.22925	0.2058	-1.11395	0.2653	0.999277
0.953823	0.992357094	56.65059	-0.12729	0.206683	-0.61586	0.537984	0.999277
0.261638	0.705387825	106.072	-0.02515	0.189736	-0.13255	0.894551	0.999277
0.004386	0.097060363	439.2322	0.089525	0.131162	0.682548	0.494893	0.999277
0.705437	0.93479128	21.06902	-0.07734	0.212897	-0.36327	0.7164	0.999277
0.144288	0.573945795	171.2885	0.06429	0.2003	0.320967	0.748235	0.999277
0.698437	0.93369059	22.46762	-0.07166	0.21402	-0.33481	0.737771	0.999277
0.683621	0.930609678	128.6201	-0.15726	0.175082	-0.89821	0.369075	0.999277
0.798617	0.956401774	326.5157	-0.14759	0.149404	-0.98789	0.323206	0.999277
0.583592	0.892957253	67.2061	-0.06975	0.213199	-0.32718	0.743531	0.999277
0.684992	0.931172733	55.59534	-0.1733	0.20695	-0.83739	0.402375	0.999277
0.622735	0.907988155	149.1994	-0.15427	0.172292	-0.89539	0.370578	0.999277
0.318798	0.75032045	40.4086	-0.24419	0.215844	-1.13134	0.257914	0.999277
0.324323	0.754021645	25.54345	-0.22118	0.216262	-1.02275	0.306427	0.999277
0.776364	0.950382298	116.0555	-0.09522	0.180963	-0.5262	0.598748	0.999277
0.732569	0.938791295	161.3609	-0.15893	0.184228	-0.86268	0.388315	0.999277
0.98205	0.997345179	552.102	-0.11923	0.123419	-0.9661	0.333996	0.999277
0.207391	0.655474405	133.5692	-0.0112	0.178438	-0.06275	0.949969	0.999277
0.135484	0.56116272	52.57805	0.011819	0.21041	0.05617	0.955206	0.999277
0.889113	0.978618144	40.275	-0.136	0.214384	-0.6344	0.525823	0.999277
0.404337	0.800470228	494.3315	-0.19697	0.147385	-1.33642	0.181412	0.999277
0.518101	0.863995421	228.2215	-0.07983	0.161314	-0.49489	0.62068	0.999277
0.582661	0.892926328	1412.632	-0.07451	0.102452	-0.72726	0.467064	0.999277
0.600181	0.898993255	9.191086	-0.06078	0.186004	-0.32676	0.743851	0.999277
0.157695	0.596629211	115.5998	0.051129	0.188212	0.271655	0.785888	0.999277
0.062888	0.404145424	270.3336	-0.02298	0.145926	-0.15748	0.874866	0.999277
0.248089	0.69561779	143.7325	0.041035	0.178743	0.229577	0.81842	0.999277
0.8501	0.96939872	438.4337	-0.14494	0.141106	-1.02717	0.304341	0.999277
0.17704	0.619698727	243.4631	-0.00272	0.155774	-0.01744	0.986085	0.999277
0.373694	0.787458382	26.82248	-0.00979	0.216787	-0.04516	0.963983	0.999277
0.378704	0.789109046	308.2709	-0.03761	0.150727	-0.24949	0.80298	0.999277
0.52003	0.86522748	15.8692	-0.03795	0.207376	-0.18301	0.854789	0.999277
0.951688	0.992040069	71.58625	-0.11764	0.203812	-0.57721	0.5638	0.999277

0.037002	0.312247873	15.74909	0.08025	0.207878	0.386043	0.699465	0.999277
0.731081	0.938791295	535.0703	-0.09598	0.142301	-0.67449	0.5	0.999277
0.035118	0.303099049	269.6717	-0.0034	0.147785	-0.02299	0.981655	0.999277
0.971122	0.99553873	348.1863	-0.12699	0.159029	-0.79856	0.424547	0.999277
0.731963	0.938791295	51.06596	-0.07534	0.213196	-0.35339	0.723793	0.999277
0.224113	0.67387367	26.44754	0.015607	0.212252	0.073531	0.941384	0.999277
0.071964	0.428675781	110.8884	-0.3139	0.194701	-1.6122	0.106918	0.905256
0.149679	0.5829813	310.5107	0.046994	0.164509	0.285664	0.775136	0.999277
0.32227	0.751983433	329.3103	0.021189	0.143748	0.147407	0.882811	0.999277
0.134743	0.559871377	85.94913	-0.02523	0.199918	-0.12618	0.899587	0.999277
0.03198	0.286708803	28.90042	0.135121	0.216848	0.623114	0.53321	0.999277
0.831834	0.963528861	1029.6	-0.13873	0.131111	-1.05807	0.290023	0.999277
0.257662	0.70274686	79.82597	-0.04112	0.194549	-0.21134	0.832622	0.999277
0.188868	0.636293187	180.1782	-0.00858	0.197265	-0.0435	0.965302	0.999277
0.148312	0.580522101	1076.781	-0.22005	0.115696	-1.90199	0.057172	0.740812
0.682318	0.930003696	334.483	-0.09625	0.140684	-0.68414	0.49389	0.999277
0.280352	0.721498575	150.7709	0.003309	0.179578	0.018428	0.985298	0.999277
0.656394	0.920963494	215.8705	-0.07239	0.155222	-0.46638	0.640944	0.999277
0.73444	0.938791295	77.68334	-0.08323	0.202697	-0.4106	0.681369	0.999277
0.260331	0.704211455	119.3141	-0.2355	0.195499	-1.20461	0.228354	0.999277
5.42E-10	6.58E-07	80.62101	0.217674	0.19704	1.104721	0.26928	0.999277
0.411466	0.804848885	308.1566	-0.04961	0.139937	-0.35451	0.722959	0.999277
0.009381	0.148039738	27.59539	0.151047	0.216594	0.697375	0.485568	0.999277
0.859299	0.972502766	1018.47	-0.11047	0.119284	-0.92611	0.354387	0.999277
0.620698	0.9077947	249.7411	-0.1831	0.156671	-1.16869	0.24253	0.999277
0.222119	0.672473229	91.86639	-0.01133	0.198514	-0.05706	0.954498	0.999277
0.086962	0.464218963	376.2759	0.042414	0.142974	0.296656	0.76673	0.999277
0.632833	0.91193214	545.4333	-0.15979	0.141574	-1.12868	0.259032	0.999277
0.994572	0.998654685	55.78991	-0.12477	0.209577	-0.59534	0.551614	0.999277
0.77643	0.950382298	516.0952	-0.14989	0.148949	-1.00629	0.314276	0.999277
0.996461	0.998852106	26.90154	-0.12449	0.21631	-0.57552	0.564939	0.999277
0.175443	0.617729055	185.9493	0.013282	0.163896	0.081038	0.935411	0.999277
0.798338	0.956401774	58.23155	-0.14373	0.208916	-0.68797	0.491471	0.999277
0.344864	0.766383255	1883.199	-0.0185	0.124469	-0.14863	0.881843	0.999277
0.004667	0.099981094	33.27322	0.205856	0.216787	0.949577	0.342327	0.999277
0.879894	0.97662978	716.938	-0.14313	0.131135	-1.0915	0.275052	0.999277
0.392546	0.795485504	162.1602	-0.02915	0.178779	-0.16303	0.870494	0.999277
0.573356	0.890076329	403.2746	-0.1602	0.133451	-1.20042	0.229977	0.999277
0.868513	0.974598067	16.15588	-0.10042	0.204129	-0.49195	0.622752	0.999277
0.116141	0.525543383	139.916	0.033752	0.172903	0.195208	0.84523	0.999277
0.994849	0.998654685	98.24988	-0.12401	0.197942	-0.62648	0.531	0.999277
0.153672	0.590101439	247.8773	0.023186	0.148594	0.156037	0.876004	0.999277
0.06068	0.396827752	122.8877	-0.39845	0.182824	-2.17943	0.0293	0.600287
0.801301	0.956594149	1122.99	-0.15711	0.112367	-1.39818	0.162059	0.999277
0.044052	0.337833053	1424.462	0.116616	0.121955	0.956223	0.338959	0.999277
0.712491	0.935646775	108.3754	-0.08495	0.185007	-0.45918	0.646108	0.999277
0.097404	0.487639788	43.5183	0.052819	0.215572	0.245016	0.806444	0.999277
0.515563	0.862952137	13.60487	-0.04671	0.201273	-0.23206	0.816488	0.999277
0.237184	0.685884173	69.82891	0.026232	0.202529	0.12952	0.896946	0.999277
0.50378	0.856418974	137.2248	-0.18169	0.198982	-0.91311	0.361186	0.999277
0.55171	0.880267949	75.03846	-0.05445	0.199946	-0.27234	0.78536	0.999277
0.059762	0.39429154	10.53993	0.127421	0.194111	0.656436	0.511544	0.999277

0.549222	0.878373563	129.3685	-0.18697	0.183294	-1.02005	0.307706	0.999277
0.040232	0.325504098	25.60709	0.067269	0.216573	0.310606	0.7561	0.999277
0.072869	0.430802053	349.6142	-0.02207	0.138882	-0.15889	0.873753	0.999277
0.629844	0.911216198	35.52021	-0.06361	0.216478	-0.29386	0.768866	0.999277
0.008968	0.144251328	188.5512	0.167253	0.163291	1.024268	0.305709	0.999277
0.654122	0.919900598	145.9433	-0.07437	0.173038	-0.42978	0.667352	0.999277
0.837983	0.965547986	49.98845	-0.10965	0.214608	-0.51091	0.609411	0.999277
0.972118	0.99553873	506.2391	-0.12868	0.129486	-0.99379	0.320325	0.999277
0.422746	0.812942386	204.2228	-0.05791	0.189974	-0.30484	0.760489	0.999277
0.391136	0.794949112	16.36665	-0.00934	0.208756	-0.04476	0.964302	0.999277
0.171871	0.61374382	35.52748	-0.24919	0.208294	-1.19635	0.231561	0.999277
0.607505	0.90368634	41.36137	-0.06704	0.215973	-0.31042	0.75624	0.999277
0.443253	0.822590959	199.1075	-0.02832	0.157358	-0.18	0.857152	0.999277
0.773944	0.949821182	9.891949	-0.08996	0.187837	-0.47894	0.631983	0.999277
0.379962	0.790146437	21.09566	-0.00314	0.214009	-0.01466	0.988303	0.999277
0.012815	0.176044802	197.8766	0.081874	0.160482	0.510176	0.609928	0.999277
0.25792	0.702821884	40.34274	-0.00338	0.215674	-0.01569	0.987483	0.999277
0.750358	0.942407307	112.6219	-0.16736	0.187972	-0.89032	0.373292	0.999277
0.020054	0.224136278	471.7715	0.112788	0.136785	0.824566	0.409618	0.999277
0.294732	0.733827953	1333.529	-0.02485	0.117207	-0.21202	0.832095	0.999277
0.876498	0.976101738	279.6006	-0.13892	0.152616	-0.91027	0.362681	0.999277
0.798295	0.956401774	608.578	-0.15297	0.127522	-1.19955	0.230314	0.999277
0.08703	0.464218963	154.0933	0.062447	0.174702	0.35745	0.720755	0.999277
0.601439	0.899470672	67.60779	-0.06297	0.20382	-0.30896	0.757348	0.999277
0.727124	0.938587002	756.3459	-0.08842	0.134315	-0.65832	0.510333	0.999277
0.87506	0.975929662	20.52635	-0.10342	0.213269	-0.48494	0.627717	0.999277
0.57404	0.890304334	687.5882	-0.08472	0.129558	-0.65395	0.513144	0.999277
0.343066	0.765527629	87.44399	-0.02075	0.20017	-0.10364	0.917452	0.999277
0.81067	0.958380374	108.2662	-0.14774	0.183484	-0.80517	0.420724	0.999277
0.281037	0.721618953	11.29085	0.025293	0.193622	0.130633	0.896066	0.999277
0.830612	0.963218067	33.89115	-0.15503	0.21696	-0.71454	0.474893	0.999277
0.597953	0.89807147	138.154	-0.18736	0.179101	-1.04612	0.295504	0.999277
0.193691	0.639447293	49.26105	-0.00413	0.211028	-0.01956	0.984397	0.999277
0.73597	0.939161329	102.8217	-0.09895	0.185633	-0.53304	0.594003	0.999277
0.319367	0.75036818	60.52691	-0.05095	0.207072	-0.24603	0.805658	0.999277
0.274337	0.716737013	36.4228	-0.0197	0.216926	-0.0908	0.92765	0.999277
0.334564	0.759008088	859.6747	-0.04735	0.114572	-0.41328	0.679401	0.999277
0.034317	0.299843039	79.36766	0.05752	0.201712	0.28516	0.775521	0.999277
0.294671	0.733827953	11.41654	0.023601	0.197232	0.119663	0.90475	0.999277
0.016744	0.202737637	380.3071	0.064671	0.133473	0.484526	0.628012	0.999277
0.526436	0.868304398	491.3733	-0.08615	0.14323	-0.60151	0.547503	0.999277
0.045013	0.342308082	138.1336	0.025298	0.176063	0.143689	0.885746	0.999277
0.014711	0.190243188	76.81511	0.098824	0.208255	0.474534	0.635119	0.999277
0.068974	0.421143478	215.5921	0.049767	0.16653	0.29885	0.765055	0.999277
0.871854	0.975692252	357.4219	-0.1049	0.155043	-0.67657	0.498681	0.999277
0.240109	0.688236474	1205.123	-0.04476	0.102082	-0.43844	0.661068	0.999277
0.300184	0.738416476	162.645	-0.06036	0.184736	-0.32676	0.743853	0.999277
0.740321	0.940232174	184.5502	-0.15746	0.170768	-0.9221	0.356479	0.999277
0.313863	0.747208845	75.85	-0.03208	0.207811	-0.15436	0.877325	0.999277
0.88012	0.97662978	280.2039	-0.14057	0.149753	-0.9387	0.347885	0.999277
0.031218	0.283484603	99.46068	0.052298	0.188506	0.277435	0.781446	0.999277
0.476171	0.84304528	59.36385	-0.07614	0.206444	-0.36881	0.712271	0.999277

0.042275	0.332993602	177.2293	0.05198	0.171547	0.303005	0.761886	0.999277
0.02673	0.261563776	40.71385	0.080465	0.215135	0.374022	0.708388	0.999277
0.76584	0.947875748	108.9911	-0.14596	0.183894	-0.7937	0.427367	0.999277
0.834843	0.964681778	16.87246	-0.15381	0.208003	-0.73945	0.459634	0.999277
0.814492	0.9594188	452.0599	-0.10487	0.137619	-0.76202	0.44605	0.999277
0.505288	0.85756566	290.7046	-0.19648	0.148348	-1.32448	0.185342	0.999277
0.698343	0.93369059	21.02178	-0.1812	0.2137	-0.84793	0.396475	0.999277
0.270926	0.713936492	41.78506	0.027151	0.214582	0.12653	0.899312	0.999277
0.332044	0.757999532	209.3875	-0.06806	0.173651	-0.39196	0.695086	0.999277
0.127261	0.545922937	235.9891	-0.01423	0.16183	-0.08793	0.929935	0.999277
0.549585	0.878534872	827.112	-0.19179	0.112273	-1.70821	0.087597	0.848515
0.360053	0.777634688	95.63607	-0.05321	0.200576	-0.26529	0.790787	0.999277
0.518929	0.864548073	118.9459	-0.05869	0.184064	-0.31884	0.74985	0.999277
0.811362	0.958640484	163.4212	-0.15127	0.16629	-0.9097	0.362981	0.999277
0.201248	0.648578288	520.4629	0.016758	0.142327	0.117743	0.906272	0.999277
0.608888	0.903795926	120.0366	-0.08524	0.19398	-0.43944	0.66034	0.999277
0.366761	0.783262699	896.5546	-0.02704	0.128016	-0.21121	0.832726	0.999277
0.157426	0.596613791	215.5495	-0.0605	0.162226	-0.37292	0.709212	0.999277
0.821208	0.960727032	45.30412	-0.14828	0.215328	-0.68864	0.491047	0.999277
0.933978	0.986607773	78.87217	-0.11844	0.196701	-0.60212	0.547093	0.999277
0.571701	0.889585318	492.0138	-0.17408	0.146877	-1.18521	0.235936	0.999277
0.206278	0.65381832	16.27093	-0.00451	0.208718	-0.0216	0.982768	0.999277
0.19362	0.639447293	52.90071	-0.00348	0.209885	-0.01657	0.986777	0.999277
0.005835	0.11400287	269.9553	0.066229	0.154856	0.427679	0.668885	0.999277
0.553838	0.881128175	52.0945	-0.17645	0.209432	-0.8425	0.399508	0.999277
0.21031	0.659576262	16.30289	0.01552	0.207005	0.074975	0.940234	0.999277
0.508409	0.858925869	123.0712	-0.1947	0.199264	-0.97708	0.328529	0.999277
0.769321	0.94929683	232.8217	-0.16055	0.154069	-1.04208	0.297376	0.999277
0.125954	0.542229206	2357.742	0.003604	0.099325	0.036285	0.971055	0.999277
0.876012	0.975929662	138.7698	-0.11787	0.184867	-0.63757	0.523751	0.999277
0.250222	0.697398414	157.2149	-0.05913	0.187532	-0.3153	0.752532	0.999277
0.743447	0.940717284	624.1837	-0.08325	0.123587	-0.67357	0.500582	0.999277
0.730732	0.938791295	174.9553	-0.15362	0.175671	-0.87448	0.381857	0.999277
0.44425	0.823180508	17.37903	-0.04535	0.209224	-0.21675	0.8284	0.999277
0.586977	0.894310786	273.165	-0.09012	0.14658	-0.6148	0.538686	0.999277
0.481829	0.846450746	37.68403	-0.02942	0.216064	-0.13616	0.891692	0.999277
0.763275	0.946679481	71.05605	-0.08994	0.207062	-0.43437	0.664017	0.999277
0.777485	0.950382298	1117.703	-0.10529	0.111613	-0.94337	0.345491	0.999277
0.274106	0.716676312	34.26493	-0.25173	0.216546	-1.16246	0.245048	0.999277
0.535901	0.872591863	119.158	-0.05098	0.183656	-0.27761	0.781312	0.999277
0.000718	0.030002917	317.5446	0.149825	0.143597	1.043372	0.296776	0.999277
0.975156	0.996034757	111.5388	-0.13353	0.193187	-0.69122	0.489426	0.999277
0.352895	0.773559122	8.76553	0.00238	0.166644	0.014285	0.988603	0.999277
0.617354	0.907005063	210.1799	-0.16996	0.177876	-0.95547	0.339338	0.999277
0.080083	0.447519123	150.9275	-0.0202	0.176272	-0.11461	0.908753	0.999277
0.61173	0.904588989	83.5483	-0.0691	0.203201	-0.34007	0.733802	0.999277
0.240523	0.688599806	62.65524	0.020301	0.209832	0.096749	0.922925	0.999277
0.928833	0.985704596	87.12588	-0.11999	0.194946	-0.61549	0.53823	0.999277
0.418338	0.810525259	74.45841	-0.05622	0.19812	-0.28379	0.77657	0.999277
0.015369	0.194298994	73.76222	0.031745	0.199855	0.158841	0.873794	0.999277
0.137026	0.563925249	126.4533	0.020346	0.202214	0.100618	0.919854	0.999277
0.578757	0.892338869	104.7649	-0.16633	0.185582	-0.89626	0.370113	0.999277

0.191579	0.638563236	438.8059	-0.31885	0.129742	-2.45757	0.013988	0.446522
0.804749	0.957461615	118.5495	-0.15706	0.19901	-0.78918	0.430006	0.999277
0.0323	0.288800135	117.8986	0.095767	0.185577	0.516052	0.605818	0.999277
0.163938	0.603036338	27.84799	-0.02993	0.21606	-0.13851	0.889834	0.999277
0.111918	0.517291828	129.6414	-0.34402	0.180285	-1.90823	0.056361	0.740613
0.382379	0.790738618	77.78176	-0.073	0.200003	-0.365	0.715115	0.999277
0.375803	0.787930192	74.82352	-0.02421	0.200034	-0.12101	0.903681	0.999277
0.063838	0.406539535	255.999	0.058139	0.155448	0.374008	0.708398	0.999277
0.864827	0.973827576	41.41673	-0.15212	0.217004	-0.70098	0.483316	0.999277
0.473127	0.841778851	177.2106	-0.22218	0.170736	-1.30133	0.193145	0.999277
0.332139	0.757999532	131.726	-0.25635	0.1867	-1.37306	0.169733	0.999277
0.301199	0.739145942	161.4263	-0.04097	0.186448	-0.21976	0.826061	0.999277
0.752896	0.943694423	60.05058	-0.16895	0.20697	-0.81633	0.414314	0.999277
0.172273	0.61404794	326.9105	-0.26449	0.151887	-1.74137	0.081618	0.832715
0.009564	0.149522916	708.3681	0.052185	0.124553	0.418973	0.675236	0.999277
0.481178	0.846450746	24.70969	-0.07357	0.21462	-0.34278	0.731766	0.999277
0.570612	0.889074149	238.3079	-0.06918	0.161059	-0.42954	0.667531	0.999277
0.679077	0.928687921	1489.302	-0.17238	0.103249	-1.66957	0.095003	0.885726
0.109445	0.512855014	241.6616	0.021475	0.150584	0.142612	0.886596	0.999277
0.220993	0.671826212	167.7938	-0.20477	0.189265	-1.08191	0.279291	0.999277
0.842205	0.967031656	104.4246	-0.10763	0.184062	-0.58476	0.558712	0.999277
0.173355	0.615485608	13.16284	0.020036	0.203206	0.0986	0.921456	0.999277
0.335278	0.759008088	165.0358	-0.20677	0.176469	-1.17169	0.241323	0.999277
0.04088	0.328981078	105.3744	0.085785	0.196288	0.437036	0.662085	0.999277
0.868073	0.974513015	1107.751	-0.15142	0.144734	-1.04621	0.295465	0.999277
0.955949	0.99273361	27.01144	-0.13758	0.216406	-0.63576	0.524932	0.999277
0.468478	0.838979127	9.251919	-0.03146	0.186532	-0.16868	0.866049	0.999277
0.402601	0.799980829	68.24341	-0.05491	0.207821	-0.26424	0.791597	0.999277
0.082274	0.453322539	211.8674	0.004969	0.161394	0.030787	0.97544	0.999277
0.144207	0.573945795	17.06338	0.036678	0.20697	0.177215	0.85934	0.999277
0.288984	0.728676762	247.1735	-0.02152	0.150096	-0.14335	0.886015	0.999277
0.198269	0.64523528	222.0245	-0.01847	0.16473	-0.11212	0.910729	0.999277
0.506435	0.858530454	26.13727	-0.21713	0.211805	-1.02516	0.305288	0.999277
0.829897	0.963218067	81.83493	-0.15574	0.200468	-0.77687	0.437235	0.999277
0.024469	0.249486288	22.85017	0.075685	0.212343	0.356428	0.72152	0.999277
0.013735	0.183043421	159.2055	-0.35316	0.17334	-2.03739	0.041611	0.672512
0.959038	0.993223953	67.52285	-0.12548	0.202484	-0.61973	0.535438	0.999277
0.141882	0.571760959	173.8932	0.021693	0.167248	0.129707	0.896798	0.999277
0.503118	0.856224864	80.89061	-0.21941	0.202554	-1.08322	0.278712	0.999277
0.266989	0.710074825	53.95985	0.02233	0.20878	0.106955	0.914825	0.999277
0.811936	0.958678625	18.80653	-0.10708	0.210928	-0.50766	0.61169	0.999277
0.215726	0.666895945	112.4802	0.004537	0.182725	0.024829	0.980191	0.999277
0.072716	0.430201108	425.1859	-0.01252	0.141837	-0.08828	0.929657	0.999277
0.013837	0.183667919	694.5608	0.037268	0.124565	0.29918	0.764803	0.999277
0.76996	0.94929683	60.34183	-0.10461	0.204873	-0.5106	0.609631	0.999277
0.977402	0.996394356	99.14336	-0.13615	0.196352	-0.69339	0.488065	0.999277
0.752936	0.943694423	303.0857	-0.16394	0.1543	-1.06249	0.288015	0.999277
0.52795	0.868933061	152.061	-0.08332	0.191546	-0.435	0.663562	0.999277
0.168763	0.609422997	137.4081	-0.04306	0.189585	-0.22712	0.820333	0.999277
0.028241	0.269609157	490.1329	0.079945	0.140489	0.56905	0.569322	0.999277
0.578871	0.892338869	75.45495	-0.09345	0.198596	-0.47055	0.637959	0.999277
0.859771	0.972502766	243.0079	-0.11801	0.150176	-0.7858	0.431982	0.999277

0.725025	0.938023838	11.65188	-0.08305	0.196422	-0.42283	0.672417	0.999277
0.526881	0.868304398	157.8708	-0.19545	0.184184	-1.06116	0.288619	0.999277
0.46958	0.839781866	163.2684	-0.06569	0.169673	-0.38718	0.698622	0.999277
0.676047	0.927604313	34.02868	-0.17039	0.216351	-0.78756	0.430954	0.999277
0.546769	0.876523693	753.3524	-0.06842	0.123617	-0.55345	0.579956	0.999277
0.778853	0.95129109	13.44237	-0.09841	0.199097	-0.49427	0.621118	0.999277
0.831596	0.963528861	74.08676	-0.10446	0.203713	-0.51278	0.608107	0.999277
0.904908	0.982337683	237.9916	-0.12574	0.154444	-0.81412	0.415578	0.999277
0.831433	0.963528861	24.44075	-0.1634	0.215397	-0.75859	0.448098	0.999277
0.883754	0.977180434	124.8103	-0.12015	0.183751	-0.65389	0.513185	0.999277
0.441401	0.821483876	179.923	-0.07757	0.163818	-0.47353	0.635835	0.999277
0.678523	0.928687921	412.0689	-0.09872	0.161366	-0.61176	0.540697	0.999277
0.553942	0.881178782	53.86678	-0.20282	0.209639	-0.96748	0.333305	0.999277
0.723582	0.937851817	27.96057	-0.08309	0.216923	-0.38303	0.701695	0.999277
0.269092	0.711911233	236.0618	-0.03858	0.177554	-0.21727	0.827995	0.999277
0.817947	0.959879229	69.27882	-0.11117	0.204695	-0.54309	0.587066	0.999277
0.799597	0.956574326	295.214	-0.11728	0.15178	-0.77268	0.439713	0.999277
0.754955	0.944374141	43.8827	-0.16891	0.213225	-0.79216	0.42827	0.999277
0.016394	0.201513222	243.7015	0.001385	0.159702	0.008671	0.993082	0.999277
0.238903	0.687956644	183.3941	-0.01822	0.176599	-0.10314	0.917848	0.999277
0.378677	0.789109046	10.95771	-0.0119	0.192793	-0.0617	0.9508	0.999277
0.780959	0.951539521	41.19193	-0.15999	0.214569	-0.74566	0.455875	0.999277
0.470908	0.840393952	147.0854	-0.05799	0.173732	-0.33381	0.738521	0.999277
0.079526	0.446274965	61.93689	0.116104	0.207657	0.559114	0.576084	0.999277
0.56841	0.888146309	48.90553	-0.05778	0.216709	-0.26663	0.789756	0.999277
0.987886	0.998384791	31.85136	-0.1369	0.21698	-0.63094	0.528079	0.999277
0.002821	0.072795051	20.12757	0.275663	0.209287	1.317151	0.187788	0.999277
0.814593	0.9594188	81.50013	-0.10501	0.19653	-0.53434	0.593104	0.999277
0.116914	0.526066407	149.7249	-0.23403	0.181586	-1.28881	0.197464	0.999277
0.561195	0.884505763	87.82361	-0.08719	0.194394	-0.44852	0.653777	0.999277
0.097508	0.487796378	253.9276	-0.0131	0.146921	-0.08914	0.928969	0.999277
0.68778	0.931172733	414.0939	-0.09851	0.130932	-0.75237	0.451826	0.999277
0.071938	0.428675781	896.3972	0.048324	0.139573	0.346228	0.729172	0.999277
0.142325	0.571875272	26.5376	0.040389	0.216329	0.186703	0.851894	0.999277
0.525138	0.868215595	482362.5	-0.05381	0.142115	-0.37867	0.704935	0.999277
0.481833	0.846450746	494.8629	-0.06142	0.131878	-0.46572	0.641417	0.999277
0.259922	0.704211455	55.28106	-0.02878	0.210913	-0.13647	0.891447	0.999277
0.223359	0.673502265	150.6742	-0.06903	0.183566	-0.37605	0.706881	0.999277
0.535508	0.872591863	95.11386	-0.09791	0.188497	-0.51944	0.603454	0.999277
0.817326	0.959821979	15.15227	-0.10898	0.207122	-0.52616	0.598778	0.999277
0.805883	0.958353056	72.11489	-0.1535	0.199254	-0.77036	0.441089	0.999277
0.396206	0.797158594	3579.987	-0.03955	0.114542	-0.34533	0.729847	0.999277
0.033371	0.293465596	55.67241	-0.00552	0.207782	-0.02659	0.978787	0.999277
0.723848	0.937851817	1248.718	-0.10905	0.10245	-1.06439	0.287151	0.999277
0.061061	0.397916607	797.0936	-0.29594	0.156388	-1.89234	0.058445	0.751586
0.083095	0.455217803	51.9509	0.029847	0.212916	0.140182	0.888516	0.999277
0.325004	0.754224459	137.7768	-0.04065	0.181427	-0.22404	0.822729	0.999277
0.9468	0.990209813	250.2464	-0.14459	0.148792	-0.97175	0.331176	0.999277
0.285696	0.726541819	61.43408	-0.04099	0.208951	-0.19616	0.844485	0.999277
0.576883	0.890747336	52.10258	-0.09699	0.209554	-0.46282	0.643495	0.999277
0.034404	0.299983144	20.51007	0.059075	0.214143	0.275866	0.782651	0.999277
0.61922	0.907334933	547.3798	-0.18296	0.137418	-1.33142	0.18305	0.999277

0.282999	0.723990497	62.39142	-0.03359	0.208635	-0.16098	0.872112	0.999277
0.860853	0.972797288	77.8229	-0.15234	0.198827	-0.76621	0.443552	0.999277
0.909237	0.983076626	119.2096	-0.14599	0.182941	-0.79804	0.424847	0.999277
0.936829	0.986885744	226.2498	-0.14347	0.152509	-0.94071	0.346854	0.999277
0.089134	0.47037753	46.17517	-0.01053	0.213628	-0.0493	0.960681	0.999277
0.272804	0.715574932	427.2863	-0.05048	0.146466	-0.34466	0.730351	0.999277
0.90676	0.982337683	104.5186	-0.15201	0.196411	-0.77392	0.438979	0.999277
0.911964	0.983953937	336.1658	-0.14914	0.162191	-0.91954	0.357814	0.999277
0.093596	0.479713303	68.97578	0.015929	0.204298	0.077971	0.937851	0.999277
0.953115	0.992357094	279.0515	-0.14286	0.155546	-0.91844	0.358387	0.999277
0.194713	0.640277663	573.6741	-0.00983	0.138826	-0.07079	0.943569	0.999277
0.612554	0.90495223	33.47114	-0.07562	0.21689	-0.34867	0.72734	0.999277
0.366011	0.782722969	155.4675	-0.01605	0.176376	-0.09099	0.9275	0.999277
0.287875	0.728240481	55.13416	0.006947	0.214308	0.032416	0.97414	0.999277
0.154272	0.59087375	40.47075	-0.01783	0.215373	-0.08277	0.934031	0.999277
0.567434	0.888146309	85.79646	-0.09353	0.205854	-0.45435	0.649579	0.999277
0.405643	0.801779895	1259.387	-0.05872	0.112739	-0.52087	0.602459	0.999277
0.809445	0.958353056	84.43817	-0.10862	0.20255	-0.53627	0.591769	0.999277
0.637289	0.91275233	224.1905	-0.10776	0.154837	-0.69594	0.486467	0.999277
0.402593	0.799980829	186.3353	-0.06679	0.162612	-0.41074	0.681262	0.999277
0.059032	0.391852183	84.31537	0.029633	0.193783	0.152919	0.878462	0.999277
0.24131	0.689435681	11.295	0.009108	0.190564	0.047795	0.96188	0.999277
0.332896	0.758647824	113.2388	-0.26314	0.19026	-1.38308	0.16664	0.999277
0.981788	0.997345179	146.3016	-0.1345	0.171208	-0.78561	0.432093	0.999277
0.892842	0.979423868	63.47544	-0.11816	0.20618	-0.57309	0.566585	0.999277
0.047428	0.350714074	73.58792	0.062738	0.205743	0.304932	0.760418	0.999277
0.549467	0.878534872	31.05207	-0.09007	0.216914	-0.41524	0.677965	0.999277
0.638535	0.913202151	428.2663	-0.10481	0.134825	-0.77734	0.436958	0.999277
0.611219	0.904473039	205.5088	-0.17845	0.176919	-1.00864	0.313147	0.999277
0.721203	0.937077062	464.6802	-0.17977	0.139513	-1.28858	0.197544	0.999277
0.244011	0.691770968	187.3349	-0.00746	0.173858	-0.04288	0.965797	0.999277
0.879013	0.976462251	277.3319	-0.11981	0.155476	-0.7706	0.440947	0.999277
0.002486	0.067001372	154.7666	0.059162	0.167099	0.354055	0.723298	0.999277
0.279451	0.721123198	82.47837	-0.28486	0.19613	-1.45238	0.146396	0.977082
0.00846	0.139949734	501.76	0.183245	0.158646	1.155052	0.248069	0.999277
0.809443	0.958353056	76.20387	-0.15617	0.203772	-0.76637	0.443456	0.999277
0.390442	0.794805703	88.21106	-0.06157	0.195305	-0.31525	0.752573	0.999277
0.076571	0.439282313	158.3178	0.02609	0.185704	0.140492	0.888271	0.999277
0.437473	0.819027755	116.802	-0.0551	0.180822	-0.30471	0.760591	0.999277
0.6692	0.925142004	81.30281	-0.0996	0.194991	-0.51081	0.609485	0.999277
0.576268	0.890535872	11.92008	-0.05855	0.198556	-0.29489	0.76808	0.999277
0.646396	0.916847657	222.7695	-0.09805	0.158838	-0.6173	0.537035	0.999277
0.006887	0.124570851	28.04871	0.189156	0.216949	0.871893	0.383267	0.999277
0.558684	0.88325648	139.3477	-0.06363	0.182041	-0.34955	0.726678	0.999277
0.160479	0.599197332	90.13215	-0.31892	0.196439	-1.62352	0.104478	0.901603
0.029894	0.277106591	31.88239	0.091679	0.216805	0.422864	0.672395	0.999277
0.294129	0.733786034	243.5867	-0.04844	0.158499	-0.30561	0.7599	0.999277
0.70041	0.933997107	96.83631	-0.10749	0.190228	-0.56508	0.572021	0.999277
0.646039	0.916536213	243.3707	-0.09229	0.155149	-0.59488	0.551923	0.999277
0.409703	0.803007486	37.9944	-0.05358	0.216319	-0.2477	0.804369	0.999277
0.628529	0.910993455	261.9716	-0.1019	0.164056	-0.62111	0.534527	0.999277
0.195912	0.642065159	99.86954	0.02195	0.188758	0.116286	0.907426	0.999277

0.629882	0.911216198	47.39993	-0.08778	0.212653	-0.41279	0.679761	0.999277
0.718386	0.935996695	48.97104	-0.09074	0.2103	-0.43148	0.666121	0.999277
0.17357	0.615485608	248.7631	0.010487	0.147807	0.070953	0.943435	0.999277
0.474233	0.842005284	54.63087	-0.2129	0.210291	-1.01239	0.311353	0.999277
0.762643	0.946679481	937.5659	-0.10757	0.166217	-0.64716	0.517526	0.999277
0.092824	0.47785484	35.19265	0.047618	0.216765	0.219673	0.826125	0.999277
0.953901	0.992357094	108.364	-0.13199	0.194029	-0.68025	0.496347	0.999277
0.650899	0.919041455	64.84166	-0.10788	0.209049	-0.51604	0.605829	0.999277
0.627886	0.910397777	48.87631	-0.08465	0.211033	-0.40112	0.688332	0.999277
0.328702	0.755404931	368.5256	-0.05731	0.136299	-0.42044	0.674164	0.999277
0.063386	0.405203331	46.31445	-0.37972	0.211865	-1.79229	0.073087	0.805407
0.762498	0.946679481	514.0956	-0.1039	0.132151	-0.78622	0.431741	0.999277
0.632105	0.911471704	169.4084	-0.19861	0.169773	-1.16988	0.24205	0.999277
0.888181	0.978595482	269.1291	-0.1277	0.159637	-0.79996	0.423735	0.999277
0.259768	0.704211455	831.8283	-0.03735	0.110832	-0.33699	0.736128	0.999277
0.923353	0.985704596	43.34975	-0.14807	0.215518	-0.68703	0.492061	0.999277
0.484703	0.84842492	203.3166	-0.20914	0.187289	-1.11665	0.264146	0.999277
0.016972	0.203527919	301.4883	0.047471	0.144076	0.32949	0.741786	0.999277
0.618729	0.907334933	298.8618	-0.08464	0.146616	-0.57727	0.563757	0.999277
0.967357	0.995125819	1754.991	-0.14323	0.11666	-1.2278	0.219522	0.999277
0.036433	0.308423447	174.854	0.075086	0.162448	0.462215	0.643927	0.999277
0.311366	0.745302162	156.9886	-0.03418	0.179117	-0.19085	0.848643	0.999277
0.485548	0.84842492	114.0969	-0.24156	0.183365	-1.31738	0.187712	0.999277
0.383475	0.790738618	26.60039	-0.05697	0.216539	-0.2631	0.792472	0.999277
0.009645	0.150443306	145.1222	0.082515	0.186713	0.441935	0.658536	0.999277
0.110056	0.513529334	157.3501	0.009785	0.17552	0.055746	0.955544	0.999277
0.523264	0.867229944	107.7019	-0.07164	0.187	-0.38312	0.701629	0.999277
0.308536	0.743099434	98.9518	-0.04769	0.191864	-0.24858	0.803687	0.999277
0.623253	0.907988155	1268.69	-0.08365	0.10403	-0.80406	0.421365	0.999277
0.520426	0.865424774	103.6851	-0.08131	0.196459	-0.41387	0.678969	0.999277
0.668173	0.925067398	27.03794	-0.0937	0.215922	-0.43393	0.664338	0.999277
0.281178	0.721818757	409.1239	-0.06163	0.1531	-0.40254	0.687289	0.999277
0.835862	0.965088948	223.3615	-0.1638	0.170804	-0.95897	0.337572	0.999277
0.714884	0.935646775	49.44778	-0.11682	0.213491	-0.54717	0.584263	0.999277
0.977455	0.996394356	506.4071	-0.14309	0.153386	-0.93287	0.350886	0.999277
0.547578	0.877048063	71.86933	-0.07971	0.203353	-0.39197	0.695079	0.999277
0.804655	0.957461615	40.1331	-0.12062	0.21484	-0.56146	0.574484	0.999277
0.983762	0.997439038	246.2469	-0.13913	0.174954	-0.79526	0.426461	0.999277
0.226506	0.675763848	165.4842	-0.06098	0.179665	-0.33939	0.734318	0.999277
0.476068	0.84304528	35.41338	-0.05872	0.216404	-0.27134	0.786132	0.999277
0.142404	0.571875272	161.8717	0.01687	0.170871	0.098728	0.921354	0.999277
0.577496	0.891487791	87.95244	-0.19664	0.202916	-0.96907	0.332509	0.999277
0.307719	0.743099434	117.9275	-0.05321	0.182471	-0.29162	0.770581	0.999277
0.260985	0.704480069	104.0858	-0.08484	0.192979	-0.43966	0.660186	0.999277
0.393936	0.796246138	36.35909	-0.06647	0.216365	-0.3072	0.758689	0.999277
0.70941	0.934928732	108.7396	-0.10526	0.191285	-0.55027	0.582135	0.999277
0.754962	0.944374141	57.04339	-0.10031	0.208571	-0.48096	0.630547	0.999277
0.807783	0.958353056	178.5193	-0.16626	0.167294	-0.99384	0.320301	0.999277
0.446074	0.824037121	16.60974	-0.06501	0.205283	-0.31671	0.751465	0.999277
0.474624	0.842114432	309.3962	-0.1992	0.160808	-1.23873	0.215445	0.999277
0.124221	0.53891009	114.1195	-0.01445	0.18359	-0.07871	0.937264	0.999277
0.391643	0.794949112	17.56754	-0.02616	0.210037	-0.12453	0.900896	0.999277

0.673167	0.927156241	424.5432	-0.09436	0.133758	-0.70547	0.480515	0.999277
0.012538	0.173678531	18.15174	0.175344	0.211425	0.829341	0.406912	0.999277
0.770505	0.94929683	50.8545	-0.11859	0.21098	-0.56208	0.57406	0.999277
0.620357	0.907694108	72.38816	-0.10623	0.202277	-0.52516	0.599474	0.999277
0.146625	0.577809883	337.9117	-0.05603	0.159126	-0.35211	0.724757	0.999277
0.689323	0.931451227	43.91232	-0.19777	0.21597	-0.91571	0.359819	0.999277
0.143253	0.572261075	310.775	-0.014	0.15102	-0.09268	0.92616	0.999277
0.290879	0.730514779	663.8958	-0.07064	0.118482	-0.59625	0.55101	0.999277
0.365015	0.782124627	122.6738	-0.23482	0.184698	-1.27136	0.203602	0.999277
0.029857	0.277106591	115.6481	0.066007	0.199378	0.331066	0.740595	0.999277
0.202836	0.65034978	16.43493	1.33E-05	0.208679	6.37E-05	0.999949	0.999986
0.682693	0.9302306	314.7198	-0.19193	0.147264	-1.30328	0.19248	0.999277
0.769538	0.94929683	265.1943	-0.1169	0.154731	-0.7555	0.44995	0.999277
0.953045	0.992357094	40.73127	-0.1358	0.215835	-0.62916	0.529242	0.999277
0.907476	0.982337683	67.48063	-0.1323	0.204448	-0.64712	0.517555	0.999277
0.103911	0.500895481	426.5988	-0.04016	0.134531	-0.29853	0.765299	0.999277
0.113124	0.518563319	290.3359	0.003533	0.157815	0.022388	0.982138	0.999277
0.732131	0.938791295	241.5808	-0.09922	0.15419	-0.64347	0.519918	0.999277
0.362156	0.780418045	11.18737	-0.01206	0.195845	-0.06159	0.950891	0.999277
0.415314	0.807960817	84.72429	-0.21992	0.195017	-1.12772	0.259437	0.999277
0.737483	0.939837349	103.1168	-0.12036	0.185343	-0.64938	0.51609	0.999277
0.301851	0.739758551	28.97453	-0.03498	0.215817	-0.16209	0.871234	0.999277
0.50516	0.857564719	43.95733	-0.07085	0.213722	-0.33149	0.740272	0.999277
0.668301	0.925067398	383.3336	-0.1131	0.138757	-0.81511	0.415007	0.999277
0.726856	0.938551962	21.04718	-0.10531	0.21448	-0.49102	0.623416	0.999277
0.829439	0.963218067	176.3392	-0.1169	0.170532	-0.68553	0.49301	0.999277
0.595545	0.896810505	134.1214	-0.18136	0.174136	-1.04148	0.297652	0.999277
0.004504	0.098066682	249.2564	0.179954	0.152965	1.176437	0.23942	0.999277
0.003398	0.081797663	319.9893	0.05331	0.138666	0.384448	0.700646	0.999277
0.250515	0.697484296	164.6658	-0.24846	0.170993	-1.45307	0.146203	0.977082
0.244945	0.693511647	42.57947	-0.06514	0.214286	-0.30398	0.761141	0.999277
0.582971	0.892926328	36.64636	-0.08205	0.217016	-0.37809	0.705365	0.999277
0.961235	0.994289023	24.86509	-0.14891	0.21426	-0.69497	0.487072	0.999277
0.545285	0.875494617	1388.59	-0.05415	0.133581	-0.40535	0.685223	0.999277
0.301422	0.739421394	288.6964	-0.05068	0.145402	-0.34857	0.727416	0.999277
0.979439	0.996602004	134.7448	-0.14545	0.185413	-0.78446	0.432771	0.999277
0.077925	0.442349225	16.05021	0.064002	0.207329	0.308696	0.757553	0.999277
0.44426	0.823180508	176.6002	-0.07347	0.173579	-0.42329	0.672085	0.999277
0.40287	0.799980829	114.6247	-0.04946	0.185695	-0.26635	0.789967	0.999277
0.35339	0.773626982	35.31096	-0.02021	0.21694	-0.09315	0.925784	0.999277
0.939404	0.987896639	137.7464	-0.13627	0.177351	-0.76838	0.442263	0.999277
0.741947	0.94054009	35.00712	-0.09944	0.21605	-0.46029	0.645311	0.999277
0.217016	0.667876517	49.91502	-0.04087	0.211403	-0.19334	0.846694	0.999277
0.58322	0.892957253	21.91929	-0.06288	0.214916	-0.29257	0.769851	0.999277
0.767338	0.948582884	178.9864	-0.10774	0.170506	-0.63191	0.527447	0.999277
0.41569	0.808339941	112.1591	-0.05215	0.191637	-0.27213	0.785519	0.999277
0.781724	0.951692757	577.7324	-0.17966	0.135791	-1.32305	0.185818	0.999277
0.970287	0.99553873	155.1749	-0.13986	0.197382	-0.7086	0.478573	0.999277
0.289463	0.728999304	1002.072	-0.02524	0.123148	-0.20493	0.837631	0.999277
0.331057	0.75739504	280.0905	-0.08145	0.147862	-0.55084	0.581746	0.999277
0.81535	0.959578957	123.1936	-0.17141	0.182848	-0.93745	0.348527	0.999277
0.772283	0.949459554	82.64305	-0.11226	0.193936	-0.57885	0.562691	0.999277

0.631951	0.911471704	295.5478	-0.11569	0.147891	-0.78224	0.434071	0.999277
0.802896	0.957090635	44.12136	-0.16898	0.21339	-0.79187	0.428436	0.999277
0.077449	0.441289461	420.7168	-0.30481	0.137114	-2.22304	0.026213	0.571293
0.780979	0.951539521	245.9117	-0.12088	0.162772	-0.7426	0.457722	0.999277
0.024948	0.252067123	384.7524	0.014096	0.142869	0.098661	0.921407	0.999277
0.027783	0.266797332	131.5596	0.01097	0.194494	0.0564	0.955023	0.999277
0.13602	0.562381892	153.2849	0.001046	0.172514	0.006066	0.99516	0.999277
0.490249	0.851511049	300.3833	-0.21172	0.140603	-1.50583	0.132111	0.957577
0.40186	0.799749836	62.54173	-0.24173	0.21123	-1.1444	0.252457	0.999277
0.029894	0.277106591	32.36972	0.085941	0.216731	0.39653	0.691714	0.999277
0.786793	0.953755115	1699.989	-0.12188	0.100703	-1.21025	0.226185	0.999277
0.069581	0.42238411	381.9382	-0.03908	0.147917	-0.2642	0.791628	0.999277
0.138807	0.566965145	41.70121	0.016697	0.214843	0.077717	0.938053	0.999277
0.468337	0.838975872	11.72118	-0.04005	0.199571	-0.2007	0.840932	0.999277
0.113031	0.518563319	23.31483	0.040457	0.215294	0.187917	0.850941	0.999277
0.924479	0.985704596	61.0956	-0.13221	0.205753	-0.64256	0.52051	0.999277
0.8699	0.975011477	86.89742	-0.1306	0.196419	-0.66489	0.506118	0.999277
0.168451	0.609004816	49.55875	-0.05693	0.212091	-0.26845	0.788356	0.999277
0.752894	0.943694423	86.43744	-0.18516	0.197036	-0.93971	0.347367	0.999277
0.007518	0.131356289	117.6064	0.066514	0.180625	0.368243	0.712692	0.999277
0.280065	0.721360425	75.58477	-0.29978	0.201529	-1.48754	0.136873	0.961317
0.915509	0.984522157	410.7896	-0.15565	0.144632	-1.07618	0.281846	0.999277
0.760674	0.946049745	146.0489	-0.11568	0.183253	-0.63125	0.527878	0.999277
0.248583	0.696015371	412.7488	-0.0236	0.133549	-0.17674	0.859714	0.999277
0.953084	0.992357094	14.40722	-0.13758	0.204129	-0.67401	0.500305	0.999277
0.008198	0.138244522	184.9409	0.049928	0.169226	0.295035	0.767967	0.999277
0.493037	0.852802998	138.0442	-0.21749	0.188331	-1.15484	0.248154	0.999277
0.153673	0.590101439	25.76138	-0.01981	0.21641	-0.09156	0.92705	0.999277
0.911633	0.983953937	202.9566	-0.12963	0.161162	-0.80436	0.42119	0.999277
0.416103	0.808479443	75.68209	-0.05591	0.216129	-0.25869	0.795877	0.999277
0.507424	0.858749908	64.70322	-0.04912	0.202463	-0.24262	0.808299	0.999277
0.129218	0.548333708	312.0366	-0.03166	0.158	-0.2004	0.841171	0.999277
0.298436	0.736964529	287.6508	-0.2586	0.171234	-1.51019	0.130996	0.954163
0.928291	0.985704596	32.41606	-0.13273	0.216878	-0.61202	0.540522	0.999277
0.142772	0.572071108	62.42096	0.057156	0.206337	0.277003	0.781778	0.999277
0.553266	0.880941817	129.3296	-0.2073	0.182975	-1.13296	0.257232	0.999277
0.189538	0.637323952	351.9205	-0.04319	0.136069	-0.31742	0.750928	0.999277
0.353049	0.773559122	105.8844	-0.06548	0.188499	-0.34739	0.728299	0.999277
0.070062	0.423879204	434.3682	-0.02608	0.130699	-0.19954	0.84184	0.999277
0.177568	0.620338094	98.03185	-0.03119	0.192463	-0.16208	0.871243	0.999277
0.429355	0.815457184	26.17398	-0.25876	0.216384	-1.19584	0.23176	0.999277
0.189997	0.637953589	164.3546	0.000896	0.190462	0.004703	0.996248	0.999367
0.640373	0.91422212	323.9843	-0.1794	0.150732	-1.19022	0.233958	0.999277
0.692889	0.932282511	655.7205	-0.18426	0.131553	-1.40067	0.161313	0.999277
0.000478	0.023304513	159.3683	0.245037	0.187306	1.308218	0.1908	0.999277
0.009267	0.14700818	54.00228	0.022399	0.208651	0.107351	0.91451	0.999277
0.835118	0.964908221	153.0374	-0.16446	0.177216	-0.92805	0.353384	0.999277
0.062024	0.401295255	77.63228	0.086052	0.197332	0.436077	0.662781	0.999277
0.038588	0.31938322	174.6181	0.006924	0.163712	0.042291	0.966266	0.999277
0.430418	0.816119203	165.4837	-0.08867	0.165389	-0.53616	0.591849	0.999277
0.031528	0.285140928	132.7672	-0.00493	0.177179	-0.02782	0.977805	0.999277
0.233557	0.683219522	169.028	-0.26704	0.171551	-1.55663	0.119557	0.929931

0.355524	0.774871619	28.73248	-0.03932	0.216496	-0.18164	0.855863	0.999277
0.314309	0.74740032	89.5525	-0.06568	0.194804	-0.33715	0.736006	0.999277
0.555278	0.881938852	22.35372	-0.0755	0.209911	-0.35968	0.719084	0.999277
0.870239	0.975061196	131.4201	-0.16238	0.176446	-0.92028	0.357426	0.999277
0.19343	0.639447293	11.13231	0.036462	0.194519	0.187446	0.851311	0.999277
0.950069	0.991323144	667.2422	-0.15418	0.129044	-1.19476	0.232182	0.999277
0.108609	0.510970313	386.0268	-0.0435	0.134893	-0.32247	0.747095	0.999277
0.280314	0.721498575	62.81826	-0.05147	0.208318	-0.24705	0.804869	0.999277
0.746742	0.941491706	536.7358	-0.12458	0.129684	-0.96065	0.336727	0.999277
0.798639	0.956401774	190.4628	-0.12045	0.166083	-0.72527	0.468287	0.999277
0.121197	0.534137729	49.66831	0.068544	0.211147	0.324627	0.745464	0.999277
0.025425	0.25503218	52.67775	0.068309	0.214834	0.317963	0.750513	0.999277
0.177885	0.620669379	1059.212	-0.01617	0.115852	-0.13955	0.889017	0.999277
0.599185	0.89891129	755.7604	-0.18279	0.126411	-1.44602	0.148172	0.979444
0.95565	0.992708762	170.4113	-0.15077	0.164976	-0.91391	0.360763	0.999277
0.353376	0.773626982	18.4833	-0.03114	0.20878	-0.14915	0.881436	0.999277
0.02336	0.24394951	784.1605	0.011879	0.119803	0.099158	0.921013	0.999277
0.481178	0.846450746	25.01985	-0.08902	0.214772	-0.41449	0.678512	0.999277
0.957212	0.993011151	37.35968	-0.14216	0.216355	-0.65708	0.511132	0.999277
0.73244	0.938791295	165.4073	-0.17893	0.190094	-0.94129	0.346558	0.999277
0.058126	0.389266321	1103.873	-0.40693	0.14222	-2.86129	0.004219	0.286337
0.163086	0.602041333	484.8771	0.012446	0.129383	0.096196	0.923365	0.999277
0.164711	0.603971115	281.8987	0.036689	0.170528	0.215147	0.829652	0.999277
0.457752	0.831646857	823.7048	-0.0799	0.154711	-0.51645	0.605543	0.999277
0.087079	0.464287349	28.15594	0.001423	0.216781	0.006563	0.994763	0.999277
0.99987	0.999869766	112.6555	-0.14729	0.186148	-0.79126	0.428794	0.999277
0.250409	0.697484296	19.01004	-0.00805	0.213412	-0.03773	0.969903	0.999277
0.804477	0.957461615	294.8268	-0.11536	0.150852	-0.76474	0.444423	0.999277
0.661805	0.924184078	28.14742	-0.10652	0.215366	-0.4946	0.620885	0.999277
0.415303	0.807960817	31.46716	-0.05555	0.216887	-0.25614	0.797846	0.999277
0.29475	0.733827953	460.547	-0.06546	0.140291	-0.46657	0.64081	0.999277
0.933548	0.986607773	231.1264	-0.15576	0.159475	-0.9767	0.328718	0.999277
0.801211	0.956594149	138.6139	-0.12757	0.193029	-0.66087	0.508698	0.999277
0.472207	0.841375046	9.707563	-0.05511	0.189938	-0.29014	0.771712	0.999277
0.813601	0.959305021	36.56903	-0.11989	0.215647	-0.55594	0.578251	0.999277
0.245523	0.693665521	40.45427	-0.03076	0.215521	-0.14271	0.886517	0.999277
0.977203	0.996394356	2080.52	-0.14561	0.110164	-1.32179	0.186237	0.999277
0.243305	0.690499473	194.9846	-0.0337	0.157729	-0.21367	0.830805	0.999277
0.204631	0.652815316	153.5158	-0.01686	0.185634	-0.09084	0.927618	0.999277
0.355991	0.774871619	368.052	-0.08415	0.138492	-0.60758	0.543463	0.999277
0.346826	0.768352388	135.5018	-0.0201	0.183907	-0.1093	0.912966	0.999277
0.407817	0.802350555	76.53748	-0.0528	0.201535	-0.262	0.793318	0.999277
0.396981	0.797477006	39.5985	-0.05835	0.215334	-0.27098	0.786407	0.999277
0.537951	0.873794135	130.8726	-0.10905	0.185964	-0.5864	0.557605	0.999277
0.73443	0.938791295	43.01158	-0.12334	0.213239	-0.57843	0.562973	0.999277
0.231796	0.681647826	72.09088	-0.01752	0.209485	-0.08362	0.933359	0.999277
0.18255	0.629389833	487.7462	-0.01905	0.129542	-0.14705	0.883093	0.999277
0.22371	0.673605122	190.0726	-0.01578	0.163935	-0.09626	0.923311	0.999277
0.157765	0.596629211	23.37068	-0.00227	0.215797	-0.01052	0.991609	0.999277
0.324987	0.754224459	174.7021	-0.02641	0.163106	-0.16195	0.871345	0.999277
0.569881	0.888935841	5368.628	-0.07487	0.108287	-0.69142	0.4893	0.999277
0.754397	0.944073125	176.0069	-0.17216	0.165513	-1.04013	0.29828	0.999277

0.392093	0.795260095	35.26133	-0.02449	0.216985	-0.11289	0.91012	0.999277
0.874004	0.975929662	194.6777	-0.13428	0.172208	-0.77974	0.435546	0.999277
0.637042	0.912683411	13.82061	-0.1045	0.201759	-0.51796	0.604488	0.999277
0.690284	0.93167865	172.2038	-0.0915	0.173736	-0.52668	0.598418	0.999277
0.302264	0.739758551	1101.018	-0.0765	0.11167	-0.68505	0.493311	0.999277
0.163291	0.602535736	630.3597	-0.00824	0.116711	-0.07063	0.943692	0.999277
0.401909	0.799749836	323.6216	-0.07579	0.14208	-0.5334	0.593755	0.999277
0.793249	0.955328559	23.15963	-0.1245	0.214958	-0.57916	0.562478	0.999277
0.302189	0.739758551	78.76653	-0.24629	0.197479	-1.24718	0.212331	0.999277
0.11606	0.525525915	341.1597	-0.03047	0.145648	-0.20922	0.834277	0.999277
0.116718	0.526037829	20.51993	0.013075	0.211176	0.061914	0.950632	0.999277
0.175171	0.617729055	53.17265	-0.02503	0.210379	-0.11896	0.905306	0.999277
0.005224	0.106291702	462.7074	0.009881	0.150528	0.065643	0.947662	0.999277
0.539062	0.873794135	61.44933	-0.08361	0.211216	-0.39585	0.692216	0.999277
0.998262	0.998980571	438.8641	-0.14928	0.126751	-1.17771	0.238912	0.999277
0.174836	0.617608363	169.695	-0.03853	0.175314	-0.21977	0.826048	0.999277
0.389992	0.794805703	547.5368	-0.08732	0.14012	-0.62315	0.533183	0.999277
0.170095	0.611307739	148.7648	0.010017	0.170797	0.058648	0.953232	0.999277
0.497263	0.853814273	12.79212	-0.06273	0.199587	-0.3143	0.753292	0.999277
0.7279	0.938587002	364.7063	-0.10101	0.137222	-0.73612	0.46166	0.999277
0.589044	0.894744713	10.97109	-0.07356	0.195467	-0.37635	0.706659	0.999277
0.870077	0.975011477	55.06328	-0.12857	0.209777	-0.61289	0.539951	0.999277
0.202829	0.65034978	56.00387	-0.00761	0.207579	-0.03666	0.970753	0.999277
0.533699	0.871787646	308.4589	-0.21464	0.146463	-1.46548	0.14279	0.976872
0.708776	0.93479128	120.8313	-0.11707	0.180822	-0.64743	0.517354	0.999277
0.241136	0.689435681	34.16296	-0.27759	0.21696	-1.27946	0.200735	0.999277
0.720648	0.936688673	1871.157	-0.11048	0.106194	-1.04036	0.298173	0.999277
0.051983	0.369214961	64.39779	0.029623	0.206422	0.143506	0.885891	0.999277
0.830569	0.963218067	748.3339	-0.13002	0.123032	-1.05678	0.290611	0.999277
0.684422	0.931067248	443.2523	-0.18955	0.135401	-1.39992	0.161537	0.999277
0.458195	0.832046163	354.179	-0.07247	0.140952	-0.51414	0.607154	0.999277
0.083761	0.45662106	377.0894	0.026761	0.141586	0.189013	0.850083	0.999277
0.006632	0.122436103	811.2002	0.027494	0.117241	0.234513	0.814587	0.999277
0.611272	0.904473039	139.5276	-0.21874	0.183477	-1.19219	0.233188	0.999277
0.132164	0.554860347	40.20541	0.04586	0.215277	0.213029	0.831304	0.999277
0.030416	0.279438008	792.1167	0.000997	0.116544	0.008551	0.993177	0.999277
0.247629	0.695399795	75.54026	-0.03277	0.202419	-0.1619	0.871386	0.999277
0.198223	0.64523528	96.13736	-0.00988	0.197909	-0.04994	0.960166	0.999277
0.591932	0.895697175	12.56308	-0.07425	0.200902	-0.36958	0.711695	0.999277
0.017079	0.203653147	343.7697	0.117776	0.140132	0.840469	0.400645	0.999277
0.079134	0.445187123	177.9701	-0.02802	0.163156	-0.17176	0.863625	0.999277
0.744143	0.940717284	209.8897	-0.13073	0.155135	-0.8427	0.399397	0.999277
0.190287	0.637982754	44.41795	-0.02832	0.214393	-0.13209	0.894914	0.999277
0.01215	0.170953288	234.3879	0.128603	0.156499	0.821754	0.411217	0.999277
0.049413	0.359100452	79.8742	0.086896	0.208699	0.416372	0.677138	0.999277
0.01364	0.182504676	10.58847	0.208412	0.172479	1.208334	0.226919	0.999277
0.084209	0.457758486	166.2835	-0.04825	0.168481	-0.28639	0.774578	0.999277
0.172312	0.61404794	95.95572	0.04779	0.190582	0.25076	0.801999	0.999277
0.61108	0.904473039	181.708	-0.09946	0.163111	-0.60975	0.542028	0.999277
0.932646	0.986607773	138.4605	-0.14314	0.175082	-0.81754	0.413621	0.999277
0.402051	0.799749836	100.3855	-0.04809	0.186697	-0.25757	0.796741	0.999277
0.122415	0.535500153	337.5642	-0.0271	0.141745	-0.19116	0.848404	0.999277

0.408048	0.802350555	22.84633	-0.08747	0.213455	-0.4098	0.681951	0.999277
0.982849	0.997409543	517.5773	-0.14882	0.132568	-1.12258	0.261617	0.999277
0.303769	0.739758551	223.7225	-0.04254	0.160979	-0.26427	0.791569	0.999277
0.532311	0.871238497	295.9622	-0.09543	0.154625	-0.61719	0.537107	0.999277
0.227408	0.676705235	29.63322	-0.03105	0.21702	-0.14307	0.886238	0.999277
0.95515	0.992623776	133.7935	-0.15753	0.178557	-0.88223	0.377653	0.999277
0.984334	0.997439038	173.7685	-0.15421	0.17401	-0.88624	0.375488	0.999277
0.103791	0.500674655	344.7029	0.013518	0.161859	0.083518	0.93344	0.999277
0.316037	0.748886257	194.5932	-0.00539	0.16039	-0.03359	0.973203	0.999277
0.408048	0.802350555	22.4305	-0.08801	0.213241	-0.41272	0.679812	0.999277
0.00968	0.15062773	25832.37	-0.32887	0.134827	-2.43921	0.01472	0.45844
0.369548	0.784800637	181.7226	-0.03432	0.168454	-0.20373	0.838564	0.999277
0.395183	0.796836245	220.5078	-0.08534	0.167203	-0.51037	0.609794	0.999277
0.307982	0.743099434	1298.209	-0.04967	0.10226	-0.48569	0.627186	0.999277
0.324539	0.754060554	714.0317	-0.24753	0.129421	-1.91258	0.055802	0.737856
0.91178	0.983953937	182.7962	-0.1621	0.167647	-0.96693	0.333577	0.999277
0.001149	0.03988737	119.5499	0.070147	0.178285	0.393456	0.693983	0.999277
0.00021	0.013143351	114.4881	0.102522	0.187322	0.547304	0.58417	0.999277
0.89418	0.979690542	14.80524	-0.13555	0.20479	-0.6619	0.508036	0.999277
0.898475	0.981094455	345.7118	-0.1394	0.146801	-0.94961	0.342312	0.999277
0.17106	0.612362132	99.99759	-0.07164	0.189373	-0.37831	0.705203	0.999277
0.763321	0.946679481	130.2194	-0.11612	0.17636	-0.65841	0.510277	0.999277
0.121639	0.5343229	145.4862	-0.02744	0.177442	-0.15462	0.877123	0.999277
0.912845	0.983953937	126.4301	-0.16301	0.179769	-0.9068	0.364515	0.999277
0.002514	0.067490957	109.0555	0.099061	0.190454	0.520132	0.602971	0.999277
0.103163	0.499892244	9.555988	0.083122	0.180625	0.460191	0.645379	0.999277
0.71654	0.935880005	49.36051	-0.20408	0.214243	-0.95258	0.340803	0.999277
0.218062	0.668742889	44.43165	-0.32002	0.216381	-1.47898	0.139146	0.965395
0.022046	0.236667673	41.03891	0.043463	0.216469	0.200783	0.840868	0.999277
0.969724	0.99553873	230.3931	-0.15636	0.169308	-0.92355	0.355722	0.999277
0.492392	0.852802998	602.5348	-0.08716	0.132138	-0.65962	0.509495	0.999277
0.896915	0.980340433	233.7234	-0.14031	0.16588	-0.84586	0.397631	0.999277
0.257089	0.70233271	39.27152	-0.07035	0.215283	-0.32677	0.743839	0.999277
0.361028	0.778992671	41.66808	-0.02282	0.214232	-0.1065	0.915182	0.999277
0.051591	0.367401959	24.99656	0.025064	0.216107	0.115981	0.907668	0.999277
0.003113	0.077348651	241.2211	0.067901	0.164021	0.413979	0.678889	0.999277
0.920739	0.985704596	92.92524	-0.16147	0.199497	-0.8094	0.418285	0.999277
0.973566	0.995861805	191.8685	-0.1571	0.168881	-0.93024	0.352249	0.999277
0.358851	0.776427317	108.797	-0.03111	0.18922	-0.16443	0.869389	0.999277
0.234019	0.683219522	183.3756	-0.0621	0.171234	-0.36267	0.716854	0.999277
0.623961	0.907988155	364.7299	-0.09685	0.14258	-0.67926	0.496975	0.999277
0.421148	0.812024774	124.4717	-0.07295	0.181148	-0.40268	0.687181	0.999277
0.293297	0.733452399	91.58006	-0.07472	0.18966	-0.39395	0.693621	0.999277
0.966616	0.994967341	277.2457	-0.14955	0.147501	-1.01387	0.310647	0.999277
0.254318	0.700275264	3068.939	-0.27593	0.146931	-1.87792	0.060392	0.760252
0.200603	0.648008486	150.111	-0.07103	0.195859	-0.36268	0.716842	0.999277
0.25084	0.697519875	40.59675	-0.06616	0.216553	-0.30549	0.75999	0.999277
0.941616	0.98856178	115.1808	-0.15908	0.195268	-0.81465	0.415272	0.999277
0.927678	0.985704596	85.86593	-0.1454	0.192926	-0.75366	0.451056	0.999277
0.123854	0.53786919	145.5061	-0.00406	0.172459	-0.02355	0.981211	0.999277
0.86415	0.973827576	129.8676	-0.13177	0.201763	-0.65308	0.513706	0.999277
0.707618	0.93479128	274.4828	-0.18212	0.148915	-1.22295	0.22135	0.999277

0.039261	0.32155264	317.4457	-0.01425	0.146234	-0.09748	0.922348	0.999277
0.162187	0.601189469	42.41447	-0.05468	0.215321	-0.25396	0.799524	0.999277
0.371343	0.785869821	141.4513	-0.06532	0.183618	-0.35576	0.722019	0.999277
0.668199	0.925067398	227.7282	-0.11789	0.152935	-0.77083	0.440809	0.999277
0.567789	0.888146309	333.739	-0.08481	0.153316	-0.55319	0.580134	0.999277
0.773723	0.949821182	375.3986	-0.12364	0.142593	-0.86706	0.38591	0.999277
0.152318	0.588279452	302.5914	-0.04758	0.160635	-0.29623	0.767058	0.999277
0.976839	0.996317022	52.30372	-0.15145	0.209907	-0.72152	0.470589	0.999277
0.984936	0.997439038	165.616	-0.15582	0.185897	-0.83819	0.401925	0.999277
0.029506	0.275559843	147.738	0.123149	0.171507	0.71804	0.472733	0.999277
0.434894	0.817830347	2157.484	-0.23806	0.209647	-1.13553	0.256153	0.999277
0.369848	0.784800637	173.1893	-0.09642	0.164978	-0.58441	0.558941	0.999277
0.082024	0.452500554	111.8255	-0.01812	0.186156	-0.09732	0.922474	0.999277
0.449794	0.825539117	72.18283	-0.06017	0.202197	-0.29756	0.766037	0.999277
0.037057	0.312417452	131.9288	-0.05012	0.186403	-0.26888	0.788023	0.999277
0.712729	0.935646775	54.86107	-0.12742	0.208673	-0.61061	0.54146	0.999277
0.977535	0.996394356	129.1799	-0.15846	0.184446	-0.85914	0.390264	0.999277
0.012409	0.17259894	144.5645	0.016364	0.180139	0.09084	0.92762	0.999277
0.939676	0.987896639	71.77434	-0.14899	0.199658	-0.74624	0.45552	0.999277
0.487635	0.850075728	20.08428	-0.08602	0.212783	-0.40424	0.686034	0.999277
0.520458	0.865424774	124.6255	-0.10209	0.177368	-0.57557	0.564909	0.999277
0.085605	0.46122052	347.2422	-0.03754	0.143047	-0.26241	0.793004	0.999277
0.448806	0.825078456	176.2762	-0.25551	0.169503	-1.5074	0.131708	0.957401
0.311512	0.745302162	319.8622	-0.07215	0.138547	-0.52073	0.602558	0.999277
0.577775	0.891711621	173.817	-0.11992	0.163015	-0.73561	0.461966	0.999277
0.915141	0.984363472	588.2962	-0.14211	0.124652	-1.14007	0.254259	0.999277
0.435627	0.81818637	40.23004	-0.0623	0.215758	-0.28877	0.772757	0.999277
0.28231	0.723398357	10.55072	-0.01445	0.190777	-0.07573	0.939636	0.999277
0.28138	0.722057997	66.14328	-0.24808	0.204228	-1.2147	0.22448	0.999277
0.067872	0.41869729	32.21711	0.023582	0.216811	0.108766	0.913388	0.999277
0.614912	0.905900033	607.7942	-0.20733	0.130389	-1.59009	0.111814	0.921444
0.482054	0.846450746	201.7157	-0.21679	0.159965	-1.35524	0.175342	0.999277
0.973374	0.995861805	117.6349	-0.15229	0.184003	-0.82767	0.407856	0.999277
0.412152	0.805444749	32.27074	-0.09179	0.216959	-0.4231	0.672224	0.999277
0.375747	0.787930192	26.58925	-0.05114	0.216627	-0.23609	0.813364	0.999277
0.696519	0.933417775	116.6276	-0.18451	0.185749	-0.99332	0.320555	0.999277
0.329449	0.755901285	70.50638	-0.06786	0.200387	-0.33866	0.734867	0.999277
0.458429	0.8322447	68.32595	-0.26186	0.206421	-1.26857	0.204594	0.999277
0.638264	0.913202151	316.3055	-0.10896	0.147459	-0.73893	0.459951	0.999277
0.100585	0.493766018	143.6197	-0.0309	0.171657	-0.18	0.857156	0.999277
0.72146	0.937197256	268.5396	-0.13058	0.152832	-0.85438	0.392897	0.999277
0.304355	0.739861013	302.7714	-0.04975	0.141985	-0.35037	0.726063	0.999277
0.256501	0.702159433	13.51203	-0.02007	0.202742	-0.09902	0.921126	0.999277
0.168148	0.608580243	122.1049	-0.00677	0.181549	-0.03728	0.970265	0.999277
0.291151	0.730719321	357.2548	-0.09861	0.150931	-0.65336	0.513522	0.999277
0.832172	0.963753038	59.66428	-0.16952	0.206342	-0.82155	0.411334	0.999277
0.113821	0.520150883	197.0303	-0.0197	0.158546	-0.12429	0.901089	0.999277
0.241648	0.689435681	58.86407	-0.03423	0.21124	-0.16203	0.871283	0.999277
0.707618	0.93479128	274.5837	-0.18442	0.148861	-1.23884	0.215405	0.999277
0.928769	0.985704596	371.9543	-0.16412	0.143107	-1.14681	0.251461	0.999277
0.148496	0.581075109	104.7687	-0.04658	0.193039	-0.24129	0.809327	0.999277
0.052067	0.369609469	156.9365	0.027661	0.173699	0.159249	0.873472	0.999277

0.472207	0.841375046	10.40722	-0.06327	0.19221	-0.32916	0.742034	0.999277
0.818611	0.959879229	66.3503	-0.1767	0.208816	-0.8462	0.397443	0.999277
0.537076	0.87300917	133.3199	-0.19789	0.179049	-1.10523	0.269061	0.999277
0.234818	0.683219522	19.20997	-0.02951	0.213025	-0.13851	0.889838	0.999277
0.648648	0.918471129	73.89769	-0.12247	0.200446	-0.61101	0.541193	0.999277
0.807557	0.958353056	336.4937	-0.1315	0.161141	-0.81606	0.414466	0.999277
0.637581	0.912787264	69.40922	-0.19734	0.203628	-0.96912	0.332484	0.999277
0.81637	0.959755385	1087.494	-0.18409	0.112176	-1.64107	0.100784	0.899753
0.824111	0.961934902	1229.187	-0.13681	0.111843	-1.22323	0.221241	0.999277
0.102949	0.499499927	20.07878	-0.00983	0.213737	-0.04597	0.963333	0.999277
0.727549	0.938587002	11.66765	-0.11104	0.195745	-0.56726	0.570536	0.999277
0.795048	0.955450804	309.3691	-0.13883	0.158771	-0.87443	0.381886	0.999277
0.818331	0.959879229	143.1283	-0.18015	0.187524	-0.96069	0.336707	0.999277
0.424874	0.814226822	23.78639	-0.05625	0.21428	-0.26251	0.792931	0.999277
0.001295	0.043017663	99.31063	0.080614	0.185548	0.434461	0.663953	0.999277
0.910629	0.983347023	77.5109	-0.14755	0.198304	-0.74405	0.456845	0.999277
0.431972	0.816304844	211.0751	-0.20953	0.180358	-1.16176	0.245332	0.999277
0.413316	0.8071291	89.19257	-0.08472	0.195831	-0.43264	0.665274	0.999277
0.019334	0.218648569	244.4882	-0.47959	0.18539	-2.58692	0.009684	0.387385
0.588233	0.894348324	58.9995	-0.10815	0.206534	-0.52362	0.600545	0.999277
0.705978	0.93479128	357.2282	-0.1129	0.150718	-0.74909	0.453804	0.999277
0.642479	0.914852273	33.66577	-0.1063	0.216549	-0.49089	0.623503	0.999277
0.380914	0.790279608	99.44838	-0.07262	0.190905	-0.38038	0.703664	0.999277
0.675271	0.927604313	206.5627	-0.21018	0.184989	-1.13616	0.25589	0.999277
0.047533	0.350961905	24.36021	0.040032	0.215466	0.185794	0.852607	0.999277
0.002686	0.070548973	121.3557	0.099722	0.179354	0.556004	0.578208	0.999277
0.507204	0.858749908	361.8191	-0.06668	0.136936	-0.48692	0.626315	0.999277
0.730939	0.938791295	37.9542	-0.18706	0.215539	-0.86788	0.385463	0.999277
0.460679	0.833168286	22.01315	-0.08911	0.21407	-0.41628	0.677202	0.999277
0.247107	0.695372431	66.74382	-0.06014	0.202521	-0.29696	0.7665	0.999277
0.247875	0.695558724	73.36488	-0.03656	0.197642	-0.18499	0.853234	0.999277
0.006579	0.121970834	89.26247	0.080544	0.197431	0.407963	0.683301	0.999277
0.589281	0.894901513	172.735	-0.11983	0.17277	-0.69357	0.487952	0.999277
0.975098	0.996034757	222.7109	-0.15526	0.163279	-0.95091	0.341652	0.999277
0.218156	0.668742889	34.12235	-0.02188	0.216476	-0.10107	0.919494	0.999277
0.904669	0.982337683	114.7246	-0.16777	0.182131	-0.92115	0.35697	0.999277
0.612387	0.904905857	147.5307	-0.10886	0.17158	-0.63446	0.525778	0.999277
0.116337	0.525543383	80.62137	-0.0228	0.194332	-0.11732	0.906606	0.999277
0.015355	0.194298994	284.0996	0.096873	0.162316	0.59682	0.550628	0.999277
0.000216	0.013353315	85.27164	0.071781	0.193939	0.370122	0.711292	0.999277
0.597463	0.897840318	3545.211	-0.20975	0.140321	-1.49476	0.134977	0.961274
0.391261	0.794949112	156.821	-0.09601	0.172247	-0.55739	0.577259	0.999277
0.997991	0.998980571	59.63243	-0.15904	0.210295	-0.75625	0.449498	0.999277
0.841379	0.966811735	83.27278	-0.13541	0.21128	-0.6409	0.521586	0.999277
0.534851	0.872130388	117.5904	-0.0848	0.199252	-0.4256	0.670398	0.999277
0.837456	0.965547986	169.3809	-0.18307	0.197599	-0.92647	0.3542	0.999277
0.53539	0.872581522	16.59164	-0.08376	0.20818	-0.40234	0.687435	0.999277
0.891754	0.979423868	46.96775	-0.1395	0.214781	-0.64948	0.51603	0.999277
0.018863	0.216060658	24.08886	0.091226	0.215328	0.423659	0.671814	0.999277
0.322419	0.752011197	12.25234	-0.0146	0.200146	-0.07295	0.941846	0.999277
0.037459	0.314319809	2762.815	0.019391	0.095026	0.204063	0.838305	0.999277
0.713974	0.935646775	106.5332	-0.19566	0.186316	-1.05014	0.293654	0.999277

0.235328	0.683683987	32.13177	-0.06647	0.217018	-0.30629	0.759387	0.999277
0.324892	0.754224459	662.9134	-0.24412	0.136355	-1.7903	0.073405	0.805483
0.302182	0.739758551	14.75525	-0.02689	0.205098	-0.1311	0.895696	0.999277
0.47099	0.840393952	17.30389	-0.08657	0.210366	-0.41151	0.6807	0.999277
0.872719	0.975846647	75.79677	-0.14141	0.199704	-0.7081	0.478882	0.999277
0.043262	0.335849873	13.22848	0.070386	0.203653	0.345618	0.72963	0.999277
0.925514	0.985704596	45.09894	-0.15067	0.215769	-0.69829	0.484994	0.999277
0.981286	0.997345179	286.5566	-0.16217	0.157242	-1.03131	0.302394	0.999277
0.526172	0.868304398	12.55179	-0.08203	0.200149	-0.40985	0.681918	0.999277
0.592143	0.895697175	74.71216	-0.11875	0.197725	-0.60057	0.548123	0.999277
0.202544	0.650197277	272.5259	-0.01141	0.14682	-0.0777	0.938068	0.999277
0.029621	0.275639603	97.48473	-0.00717	0.195139	-0.03676	0.970673	0.999277
0.105739	0.504407272	561.9905	-0.02501	0.132619	-0.1886	0.850409	0.999277
0.205011	0.653022736	1311.204	-0.06413	0.130626	-0.49096	0.623458	0.999277
0.92179	0.985704596	44.31055	-0.1498	0.213428	-0.70186	0.482767	0.999277
0.476881	0.84304528	108.5032	-0.10423	0.191684	-0.54374	0.586622	0.999277
0.679268	0.928687921	66.04611	-0.20192	0.205154	-0.98426	0.324989	0.999277
0.928668	0.985704596	193.2505	-0.14805	0.164617	-0.89938	0.368449	0.999277
0.533353	0.871779365	245.2228	-0.10706	0.156599	-0.68364	0.494204	0.999277
0.836768	0.965312542	235.1093	-0.1833	0.159233	-1.15115	0.24967	0.999277
0.791819	0.954653245	116.5622	-0.17762	0.202699	-0.87625	0.380893	0.999277
0.713133	0.935646775	83.94266	-0.12648	0.198551	-0.63701	0.524116	0.999277
0.263971	0.706972283	193.076	-0.06687	0.174798	-0.38254	0.702063	0.999277
0.138612	0.566786828	88.57233	-0.27648	0.197792	-1.39785	0.162158	0.999277
0.933685	0.986607773	143.6853	-0.15491	0.176469	-0.87783	0.380035	0.999277
0.015995	0.198329674	57.95595	0.041527	0.206925	0.200685	0.840945	0.999277
0.578012	0.891871365	461.3046	-0.10283	0.126597	-0.81226	0.416645	0.999277
0.326382	0.754362047	96.00316	-0.04145	0.196347	-0.21113	0.832789	0.999277
0.307834	0.743099434	9.67645	-0.0214	0.185437	-0.11538	0.90814	0.999277
0.710055	0.935155315	55.83831	-0.20672	0.211541	-0.97722	0.328459	0.999277
0.48498	0.84842492	859.2153	-0.10435	0.124523	-0.83797	0.40205	0.999277
0.578888	0.892338869	29.38145	-0.11805	0.216615	-0.54497	0.585777	0.999277
0.370813	0.785482522	1304.859	-0.23612	0.135964	-1.73666	0.082447	0.83449
0.051922	0.369170316	181.3412	0.004237	0.169368	0.025014	0.980043	0.999277
0.383475	0.790738618	228.2549	-0.07756	0.161068	-0.48151	0.630157	0.999277
0.07845	0.444318403	79.01596	0.034968	0.196153	0.178268	0.858513	0.999277
0.621149	0.907988155	47.02763	-0.09707	0.214183	-0.45319	0.650411	0.999277
0.115166	0.522715569	235.6341	0.049539	0.165585	0.299174	0.764807	0.999277
0.347757	0.769359788	26.44141	-0.06703	0.214573	-0.31238	0.754754	0.999277
0.827593	0.962788513	181.1203	-0.18156	0.174387	-1.04111	0.297822	0.999277
0.309202	0.743522207	95.23139	-0.02203	0.198785	-0.1108	0.911772	0.999277
0.308841	0.743403915	36.55938	-0.05998	0.215676	-0.27812	0.780919	0.999277
0.208646	0.656690788	606.0448	0.015309	0.133027	0.115082	0.90838	0.999277
0.50803	0.85889821	94.49489	-0.10637	0.193468	-0.54978	0.582468	0.999277
0.74046	0.940232174	82.52218	-0.13677	0.203428	-0.67234	0.501366	0.999277
0.161672	0.601189469	87.47363	-0.0232	0.192346	-0.12063	0.903983	0.999277
0.344847	0.766383255	454.753	-0.05295	0.134623	-0.39332	0.694082	0.999277
0.00426	0.095060476	90.01455	0.08816	0.203326	0.43359	0.664586	0.999277
0.324353	0.754021645	39.15746	-0.04423	0.216231	-0.20453	0.83794	0.999277
0.536602	0.872916864	136.8972	-0.09769	0.187966	-0.5197	0.603273	0.999277
0.304805	0.740518139	173.3745	-0.08439	0.166702	-0.50622	0.612704	0.999277
0.737519	0.939837349	212.8746	-0.18992	0.158446	-1.19861	0.23068	0.999277

0.789722	0.954486972	256.364	-0.19938	0.160403	-1.24298	0.213876	0.999277
0.247029	0.695372431	19.99092	-0.05047	0.214001	-0.23584	0.813554	0.999277
0.56825	0.888146309	70.7601	-0.09523	0.208337	-0.45711	0.647594	0.999277
0.206434	0.653887348	159.3949	-0.00292	0.184281	-0.01584	0.987361	0.999277
0.932736	0.986607773	334.8162	-0.17096	0.143038	-1.19523	0.231998	0.999277
0.968395	0.995518796	24.86246	-0.15825	0.212713	-0.74395	0.456906	0.999277
0.216383	0.66711094	45.00613	0.001532	0.212549	0.007206	0.994251	0.999277
0.298157	0.736579797	297.6091	-0.03513	0.151107	-0.23245	0.816185	0.999277
0.08632	0.463081933	73.37915	-0.02011	0.203956	-0.0986	0.921457	0.999277
0.65012	0.91886709	40.02066	-0.22228	0.216312	-1.02757	0.304151	0.999277
0.792999	0.955301199	26.81648	-0.1853	0.216956	-0.8541	0.393047	0.999277
0.514003	0.862500672	91.77068	-0.11588	0.195115	-0.59392	0.552568	0.999277
0.522664	0.867020566	66.10135	-0.2504	0.209789	-1.19359	0.232637	0.999277
0.155099	0.592516029	167.1307	-0.03988	0.187095	-0.21317	0.831195	0.999277
0.009727	0.15084277	179.3527	0.050032	0.163749	0.305543	0.759953	0.999277
0.237801	0.686688357	67.08701	-0.04207	0.207028	-0.20323	0.838955	0.999277
0.186036	0.632436981	615.2131	-0.04973	0.149523	-0.33258	0.73945	0.999277
0.055665	0.381377466	655.0128	0.017213	0.124068	0.138735	0.88966	0.999277
0.564551	0.885853092	130.6522	-0.11285	0.184934	-0.61023	0.54171	0.999277
0.249668	0.696307261	131.4504	-0.32208	0.179034	-1.79897	0.072024	0.804391
0.505929	0.858216944	33.76767	-0.08036	0.216795	-0.37067	0.710884	0.999277
0.709727	0.934993152	6403.2	-0.13004	0.097164	-1.33835	0.180783	0.999277
0.714581	0.935646775	84.1763	-0.14327	0.197435	-0.72567	0.468039	0.999277
0.41812	0.810236118	34.80872	-0.04949	0.215258	-0.22992	0.818153	0.999277
0.16647	0.605328888	27.78062	-0.02387	0.216722	-0.11012	0.912313	0.999277
0.633268	0.912361613	44.46726	-0.10964	0.214348	-0.51153	0.608983	0.999277
0.119264	0.530338421	399.6337	0.025946	0.145396	0.178452	0.858368	0.999277
0.368774	0.784562847	260.7505	-0.09413	0.15662	-0.60103	0.547818	0.999277
0.022542	0.239901358	2229.213	-0.03106	0.114761	-0.27066	0.786649	0.999277
0.540324	0.873794135	1596.559	-0.2182	0.122992	-1.77409	0.076048	0.816627
0.572585	0.88993891	40.55535	-0.10924	0.215087	-0.50789	0.611529	0.999277
0.053684	0.375308215	846.3997	0.000391	0.124375	0.003146	0.99749	0.999942
0.37387	0.787458382	52.6941	-0.25472	0.215065	-1.1844	0.236253	0.999277
0.689273	0.931451227	365.9682	-0.13637	0.14448	-0.94386	0.34524	0.999277
0.057406	0.38645833	242.9994	0.037032	0.153686	0.240962	0.809584	0.999277
0.166938	0.606045228	51.8736	-0.01401	0.211124	-0.06634	0.94711	0.999277
0.125858	0.542168054	386.6773	-0.01608	0.138841	-0.11581	0.907804	0.999277
0.226664	0.675997149	304.0605	-0.01524	0.158118	-0.09639	0.923213	0.999277
0.018325	0.213187618	70.77051	0.002505	0.201177	0.012453	0.990064	0.999277
0.073454	0.431351972	84.61914	0.015746	0.19703	0.079919	0.936302	0.999277
0.343661	0.765894286	194.8434	-0.09369	0.175202	-0.53475	0.59282	0.999277
0.227538	0.676810982	73.13917	-0.07353	0.203046	-0.36211	0.717267	0.999277
0.421276	0.812024774	58.83923	-0.28156	0.211864	-1.32897	0.183857	0.999277
0.963209	0.994289023	15.04759	-0.16986	0.206408	-0.82293	0.410546	0.999277
0.963944	0.99436986	170.5671	-0.16076	0.172659	-0.93108	0.351814	0.999277
0.748462	0.942119652	20.01726	-0.21096	0.211891	-0.99561	0.31944	0.999277
0.230086	0.680403181	36.53715	-0.32994	0.216473	-1.52416	0.12747	0.949266
0.015133	0.192835865	211.9231	6.78E-05	0.18217	0.000372	0.999703	0.999986
0.329632	0.756037996	53.76872	-0.03003	0.211957	-0.14168	0.887332	0.999277
0.040005	0.324878518	443.1856	0.033409	0.133608	0.250053	0.802546	0.999277
0.885124	0.977581014	59.90925	-0.1499	0.207711	-0.72167	0.470496	0.999277
0.732209	0.938791295	2384.05	-0.13812	0.121948	-1.1326	0.257383	0.999277

0.121555	0.534218212	116.4814	0.051407	0.187966	0.27349	0.784476	0.999277
0.264343	0.707402279	82.11949	-0.00214	0.204402	-0.01047	0.991649	0.999277
0.271167	0.713936492	187.0934	-0.03944	0.17079	-0.2309	0.817391	0.999277
0.988282	0.998384791	1097.661	-0.16313	0.140727	-1.15921	0.246369	0.999277
0.238782	0.687956644	430.8519	-0.26369	0.133278	-1.97852	0.047871	0.692543
0.042513	0.333068766	150.1941	0.029237	0.180312	0.162146	0.871191	0.999277
0.983158	0.997427682	383.0777	-0.16652	0.168246	-0.98971	0.322314	0.999277
0.161672	0.601189469	87.75333	-0.02592	0.192374	-0.13473	0.892827	0.999277
0.625101	0.908090896	1433.083	-0.12372	0.111816	-1.10648	0.268519	0.999277
0.8219	0.96101795	261.6274	-0.18287	0.154942	-1.18026	0.237898	0.999277
0.00011	0.008677117	1733.894	0.06329	0.099116	0.638545	0.523119	0.999277
0.495778	0.853814273	82.14891	-0.0827	0.199214	-0.41512	0.678056	0.999277
0.32092	0.751482438	182.0333	-0.09195	0.171338	-0.53668	0.591486	0.999277
0.432618	0.816780286	180.086	-0.08996	0.192987	-0.46615	0.641108	0.999277
0.591225	0.895697175	427.2175	-0.10843	0.128958	-0.84082	0.400446	0.999277
0.089945	0.472412873	11.14314	0.018467	0.196029	0.094206	0.924946	0.999277
0.717177	0.935990129	44.98628	-0.12284	0.216487	-0.56742	0.57043	0.999277
0.448264	0.824654643	205.6088	-0.08566	0.157482	-0.54394	0.586486	0.999277
0.999511	0.999660483	409.7379	-0.16605	0.154967	-1.0715	0.283945	0.999277
0.477909	0.843734478	196.7758	-0.09564	0.162727	-0.58773	0.55671	0.999277
0.270288	0.713491766	101.3399	-0.09208	0.192207	-0.47908	0.63188	0.999277
0.340302	0.763413261	259.8921	-0.06585	0.150774	-0.43673	0.662304	0.999277
0.189017	0.636419732	12.80379	-0.01525	0.201541	-0.07568	0.939671	0.999277
0.950577	0.991522524	31.62316	-0.15973	0.217002	-0.73607	0.461687	0.999277
0.000189	0.012497552	490.0221	0.020496	0.134585	0.152291	0.878957	0.999277
0.019436	0.2194278	114.5476	0.093385	0.184053	0.507381	0.611888	0.999277
0.426137	0.814589985	385.4764	-0.11797	0.133417	-0.88422	0.376577	0.999277
0.789843	0.954486972	143.4013	-0.19567	0.180597	-1.08344	0.278612	0.999277
0.394327	0.796246138	35.39937	-0.0899	0.216198	-0.41582	0.677545	0.999277
0.988464	0.998397499	111.4924	-0.16781	0.186428	-0.90013	0.368051	0.999277
0.922827	0.985704596	1088.108	-0.17428	0.136423	-1.27752	0.201418	0.999277
0.03342	0.293630559	44.87918	0.018317	0.213247	0.085894	0.931551	0.999277
0.007484	0.131193842	25.68491	0.132179	0.215062	0.614608	0.538814	0.999277
0.027028	0.262366343	64.80338	0.036627	0.21099	0.173597	0.862182	0.999277
0.900636	0.981243428	72.13254	-0.1548	0.20346	-0.76085	0.446747	0.999277
0.117647	0.527357968	360.5496	-0.04252	0.135992	-0.31269	0.754519	0.999277
0.511955	0.861335003	11.07049	-0.10059	0.195019	-0.51581	0.605988	0.999277
0.432535	0.81673983	193.2243	-0.07896	0.167226	-0.47218	0.636799	0.999277
0.85137	0.96960608	197.2194	-0.14735	0.162361	-0.90752	0.36413	0.999277
0.167755	0.607654212	67.30294	-0.01657	0.201494	-0.08221	0.934479	0.999277
0.503257	0.856224864	12.78691	-0.0767	0.199761	-0.38398	0.700995	0.999277
0.241285	0.689435681	188.4801	-0.09993	0.166422	-0.60045	0.548203	0.999277
0.159596	0.597737316	484.8685	-0.02582	0.12772	-0.20216	0.839794	0.999277
0.176401	0.619535648	61.62769	-0.07853	0.209124	-0.3755	0.707286	0.999277
0.05886	0.391823135	194.2462	-0.00843	0.159477	-0.05284	0.957857	0.999277
0.269219	0.711945422	157.5406	-0.04711	0.171154	-0.27527	0.783106	0.999277
0.243788	0.691430311	125.2948	-0.30274	0.185091	-1.63561	0.101921	0.899753
0.615245	0.906204018	10.76674	-0.10847	0.196288	-0.55259	0.580544	0.999277
0.14978	0.5829813	42.21594	-0.04875	0.214599	-0.22718	0.820284	0.999277
0.562041	0.885010828	330.0045	-0.12323	0.15244	-0.8084	0.418859	0.999277
0.141807	0.571760959	202.5823	0.037909	0.1577	0.240388	0.81003	0.999277
0.457653	0.831646857	22.81764	-0.08457	0.215596	-0.39225	0.694875	0.999277

0.401694	0.799749836	54.25067	-0.07907	0.21337	-0.37056	0.710967	0.999277
0.675766	0.927604313	140.5301	-0.11205	0.177804	-0.63019	0.52857	0.999277
0.757917	0.945376634	43.85701	-0.14736	0.215364	-0.68423	0.493833	0.999277
0.042536	0.333068766	34.1773	-0.01376	0.216686	-0.06348	0.949381	0.999277
0.437454	0.819027755	426.6736	-0.08085	0.132428	-0.6105	0.541528	0.999277
0.262819	0.70601003	968.496	-0.07563	0.117549	-0.64335	0.519994	0.999277
0.04492	0.342308082	18.88342	0.123863	0.211856	0.584658	0.558778	0.999277
0.091852	0.476131203	1913.122	-0.03714	0.112924	-0.32887	0.742255	0.999277
0.354064	0.774326904	18.42877	-0.03436	0.207525	-0.16559	0.868477	0.999277
0.461723	0.833915601	204.7925	-0.10227	0.167754	-0.60965	0.542091	0.999277
0.232249	0.681916717	230.5548	-0.31866	0.158531	-2.01009	0.044422	0.682306
0.021912	0.235633562	78.28174	-0.02005	0.198535	-0.10097	0.919573	0.999277
0.926658	0.985704596	47.07221	-0.15866	0.214491	-0.73969	0.45949	0.999277
0.000791	0.031814365	70.17263	0.086937	0.205974	0.422079	0.672968	0.999277
0.09103	0.474408638	570.1331	-0.02575	0.137188	-0.18771	0.851107	0.999277
0.300309	0.738588713	158.7806	-0.05538	0.171117	-0.32366	0.746193	0.999277
0.371847	0.786113378	128.1294	-0.10661	0.191858	-0.55567	0.578439	0.999277
0.320253	0.750866885	109.8288	-0.07163	0.187366	-0.38232	0.702222	0.999277
0.61735	0.907005063	358.741	-0.11915	0.136383	-0.87362	0.382323	0.999277
0.242647	0.689768035	545.6095	-0.06975	0.13047	-0.53462	0.592915	0.999277
0.455559	0.829671446	493.0671	-0.25926	0.14309	-1.81186	0.070007	0.797262
0.784574	0.95302139	59.79238	-0.20148	0.206689	-0.97479	0.329663	0.999277
0.416394	0.808586329	23.26693	-0.07777	0.213829	-0.3637	0.716083	0.999277
0.02687	0.262366343	68.00955	0.026399	0.205411	0.128519	0.897738	0.999277
0.0021	0.058841076	113.6353	0.232954	0.192912	1.207563	0.227215	0.999277
0.124289	0.53891009	34.62581	0.037659	0.21697	0.173567	0.862206	0.999277
0.073619	0.431609797	113.2112	-0.06432	0.184769	-0.34811	0.727759	0.999277
0.517499	0.863920298	17.41151	-0.08658	0.210346	-0.41161	0.680622	0.999277
0.97692	0.996317022	257.509	-0.16598	0.150923	-1.09974	0.271447	0.999277
0.200343	0.647795489	75.6882	-0.08847	0.203427	-0.43491	0.663624	0.999277
0.003999	0.091267789	907.7566	-0.02098	0.115958	-0.18092	0.856431	0.999277
0.762293	0.946661216	2070.673	-0.19671	0.095589	-2.05787	0.039603	0.665714
0.501524	0.856224747	284.5404	-0.10645	0.168171	-0.633	0.526735	0.999277
0.424693	0.81400526	43.82032	-0.24176	0.213781	-1.1309	0.258098	0.999277
0.879917	0.97662978	715.2315	-0.14922	0.134453	-1.10981	0.267082	0.999277
0.699706	0.933914128	89.88066	-0.13009	0.193096	-0.67368	0.500512	0.999277
0.113123	0.518563319	201.9112	-0.37136	0.164598	-2.25617	0.02406	0.53546
0.847168	0.968350774	106.7128	-0.14955	0.197883	-0.75573	0.449812	0.999277
0.507083	0.858749908	734.4051	-0.13019	0.11488	-1.13326	0.257106	0.999277
0.521154	0.865988023	11.09976	-0.08616	0.167626	-0.51399	0.607258	0.999277
0.799073	0.956498078	398.5837	-0.14885	0.149803	-0.99366	0.32039	0.999277
0.105527	0.504136468	56.29254	-0.0238	0.21174	-0.11242	0.910493	0.999277
0.731805	0.938791295	109.6375	-0.12364	0.196836	-0.62816	0.529901	0.999277
0.98391	0.997439038	143.1639	-0.17106	0.179274	-0.95416	0.340005	0.999277
0.918859	0.985349771	10.91487	-0.15602	0.193737	-0.8053	0.420646	0.999277
0.163546	0.602567005	112.6317	-0.0728	0.182959	-0.3979	0.690701	0.999277
0.683107	0.93032421	187.7969	-0.12691	0.163303	-0.77712	0.437089	0.999277
0.223535	0.673576895	233.7404	-0.02731	0.158491	-0.17229	0.863206	0.999277
0.039582	0.322620017	152.8421	-0.034	0.175704	-0.19353	0.846546	0.999277
0.408597	0.802722163	60.96625	-0.0739	0.205271	-0.35999	0.718855	0.999277
0.29273	0.733032503	115.5737	-0.04841	0.202334	-0.23927	0.810896	0.999277
0.323199	0.752677321	61.92693	-0.2749	0.208714	-1.31712	0.187799	0.999277

0.394153	0.796246138	673.0917	-0.06786	0.120015	-0.56546	0.571762	0.999277
0.302862	0.739758551	141.1666	-0.0786	0.171545	-0.4582	0.646807	0.999277
0.210377	0.659576262	570.2205	-0.08223	0.133416	-0.61632	0.53768	0.999277
0.358164	0.776142565	15.80309	-0.05343	0.20668	-0.25852	0.796005	0.999277
0.891534	0.979423868	289.3517	-0.18469	0.147447	-1.25259	0.210355	0.999277
0.637589	0.912787264	104.2044	-0.21128	0.186345	-1.13381	0.256876	0.999277
0.950312	0.991323144	114.7088	-0.1633	0.184165	-0.88668	0.375251	0.999277
0.691312	0.93167865	70.22943	-0.13133	0.204546	-0.64205	0.520838	0.999277
0.351774	0.773305507	539.1657	-0.24486	0.129676	-1.8882	0.058999	0.752489
0.489045	0.850626682	516.1769	-0.07453	0.130669	-0.57039	0.568414	0.999277
0.328019	0.754803522	259.7162	-0.09974	0.147151	-0.6778	0.497899	0.999277
0.956012	0.99273361	203.568	-0.17399	0.157233	-1.10658	0.268475	0.999277
0.714635	0.935646775	164.2523	-0.21415	0.176698	-1.21196	0.225527	0.999277
0.072924	0.43093367	263.4607	-0.02172	0.152219	-0.14266	0.886561	0.999277
0.28577	0.726541819	23.41339	-0.01666	0.211431	-0.07878	0.937209	0.999277
0.065311	0.41179587	1435.05	0.016034	0.106064	0.151172	0.87984	0.999277
0.662856	0.924637662	158.5492	-0.11333	0.187771	-0.60354	0.546148	0.999277
0.435824	0.818229013	208.5191	-0.10429	0.155051	-0.67261	0.501198	0.999277
0.322191	0.751983433	60.91181	-0.03669	0.212957	-0.17228	0.86322	0.999277
0.760035	0.945851247	67.65323	-0.20646	0.203778	-1.01318	0.310974	0.999277
0.990535	0.998538548	146.6941	-0.17288	0.172765	-1.00065	0.316995	0.999277
0.589242	0.894901513	177.5967	-0.12062	0.175602	-0.68688	0.492159	0.999277
0.857475	0.971994044	41.12133	-0.19077	0.214044	-0.89128	0.372779	0.999277
0.060897	0.397270128	310.7933	-0.26374	0.143359	-1.8397	0.065812	0.78262
0.041877	0.332383335	25.88068	0.03806	0.216261	0.175989	0.860303	0.999277
0.179168	0.623409084	132.3233	-0.02864	0.19907	-0.14386	0.885609	0.999277
0.258165	0.702821884	155.2809	-0.09771	0.178207	-0.54829	0.583492	0.999277
0.895544	0.980243353	255.2571	-0.16256	0.160224	-1.01456	0.310317	0.999277
0.537062	0.87300917	84.76061	-0.10289	0.193023	-0.53303	0.594015	0.999277
0.506682	0.858732327	9.049455	-0.09969	0.178122	-0.55966	0.575711	0.999277
0.43509	0.817935904	241.3096	-0.10613	0.175984	-0.60308	0.546455	0.999277
0.060199	0.39579154	66.39238	-0.03151	0.209563	-0.15034	0.880494	0.999277
0.149229	0.582539588	138.3121	-0.02711	0.191006	-0.14194	0.887129	0.999277
0.168221	0.608580243	250.5141	0.024643	0.155068	0.15892	0.873732	0.999277
0.128392	0.547436547	155.748	-0.0629	0.167961	-0.37451	0.708023	0.999277
0.452711	0.827495884	165.3553	-0.09161	0.187572	-0.48841	0.625263	0.999277
0.363145	0.780897006	12.36897	-0.06292	0.199985	-0.31462	0.753054	0.999277
0.447232	0.824037121	804.245	-0.26102	0.145548	-1.79338	0.072913	0.804529
0.284547	0.725450639	142.2209	-0.05092	0.19573	-0.26015	0.794745	0.999277
0.142669	0.572012811	83.75826	-0.31616	0.200662	-1.57557	0.115126	0.929931
0.558026	0.882863308	250.2075	-0.24152	0.181211	-1.33281	0.182593	0.999277
0.597116	0.897840318	121.1487	-0.21344	0.184841	-1.15473	0.2482	0.999277
0.540475	0.873794135	228.9963	-0.10739	0.159497	-0.67329	0.500764	0.999277
0.07331	0.431176533	148.498	-0.03776	0.171337	-0.22039	0.825568	0.999277
0.349806	0.771454722	15.69987	-0.03613	0.208085	-0.17363	0.862155	0.999277
0.491707	0.852802998	150.6162	-0.11553	0.174379	-0.66252	0.507637	0.999277
0.410816	0.804361726	136.9982	-0.07855	0.172583	-0.45515	0.649001	0.999277
0.713905	0.935646775	55.56584	-0.14072	0.209104	-0.67295	0.50098	0.999277
0.033434	0.293630559	33.27989	0.002715	0.216863	0.012517	0.990013	0.999277
0.766436	0.948342795	217.8893	-0.1403	0.19463	-0.72086	0.470997	0.999277
0.192167	0.638821592	21.23465	-0.04965	0.210278	-0.23611	0.813351	0.999277
0.913188	0.983953937	47.16492	-0.15733	0.213492	-0.73693	0.461167	0.999277

0.820834	0.960694364	156.1091	-0.14557	0.168829	-0.86223	0.388558	0.999277
0.355821	0.774871619	3298.993	-0.08332	0.101682	-0.81942	0.412548	0.999277
0.741809	0.94054009	158.8548	-0.20731	0.176448	-1.1749	0.240034	0.999277
0.010421	0.15740509	864.5007	0.012072	0.114127	0.105778	0.915759	0.999277
0.186286	0.632482653	14.84535	-0.06005	0.205583	-0.29208	0.770228	0.999277
0.792424	0.954966399	55.46407	-0.15221	0.209905	-0.72512	0.46838	0.999277
0.262225	0.705689215	170.4199	-0.10308	0.178799	-0.57652	0.564263	0.999277
0.045954	0.344757485	88.72064	0.052013	0.191967	0.270945	0.786433	0.999277
0.295993	0.735416255	44.95308	-0.05957	0.213133	-0.27948	0.779876	0.999277
0.525932	0.868304398	31.07953	-0.10251	0.216857	-0.47269	0.636438	0.999277
0.566009	0.887280337	19.18358	-0.10009	0.211727	-0.47275	0.636393	0.999277
0.540262	0.873794135	342.4743	-0.23061	0.144679	-1.59393	0.110951	0.91748
0.80936	0.958353056	178.7267	-0.15027	0.166967	-0.89999	0.368125	0.999277
0.136096	0.562521562	137.9296	-0.0487	0.175923	-0.27684	0.781904	0.999277
0.230276	0.680403181	53.75658	-0.0954	0.215185	-0.44334	0.657518	0.999277
0.502572	0.856224864	136.7007	-0.09163	0.186452	-0.49146	0.623099	0.999277
0.866235	0.974431862	243.5596	-0.1926	0.160089	-1.20309	0.228942	0.999277
0.492608	0.852802998	19.10636	-0.095	0.209524	-0.45339	0.650267	0.999277
0.222784	0.672985137	91.755	-0.06207	0.193109	-0.32144	0.747874	0.999277
0.498986	0.854405107	9.749078	-0.07683	0.190324	-0.40371	0.686429	0.999277
0.006561	0.121812159	158.3386	0.048549	0.169957	0.285653	0.775144	0.999277
0.213505	0.663368808	12.38632	0.00741	0.19619	0.03777	0.969871	0.999277
0.242976	0.689996843	621.4038	-0.05463	0.124529	-0.43866	0.660909	0.999277
0.239622	0.688236474	28.85398	-0.05106	0.21599	-0.23642	0.813105	0.999277
0.133177	0.555792434	819.1712	-0.03063	0.117692	-0.26026	0.794664	0.999277
0.41985	0.811450072	67.04003	-0.09517	0.202959	-0.46893	0.639121	0.999277
0.092859	0.47785484	362.1026	-0.00739	0.144083	-0.0513	0.959082	0.999277
0.134244	0.558568523	450.0913	-0.04151	0.142789	-0.29068	0.771295	0.999277
0.61278	0.905086542	118.8891	-0.133	0.181855	-0.73137	0.464551	0.999277
0.892764	0.979423868	367.0825	-0.1618	0.13873	-1.16627	0.243505	0.999277
0.369723	0.784800637	174.7929	-0.12259	0.176393	-0.695	0.487056	0.999277
0.293141	0.733373406	154.7061	-0.08017	0.180196	-0.44488	0.656403	0.999277
0.370381	0.785105846	453.3252	-0.09235	0.139379	-0.66258	0.507597	0.999277
0.433277	0.817250644	83.63373	-0.12493	0.20138	-0.62037	0.535017	0.999277
0.512905	0.861822466	202.5258	-0.12318	0.166084	-0.74169	0.458274	0.999277
0.057094	0.385445107	36.13682	0.038436	0.215799	0.178112	0.858635	0.999277
0.663786	0.924678622	166.2247	-0.14016	0.185481	-0.75564	0.449865	0.999277
0.510973	0.860852133	89.08398	-0.10155	0.197776	-0.51346	0.60763	0.999277
0.032434	0.289434212	286.4903	-0.05071	0.15531	-0.32653	0.744023	0.999277
0.623991	0.907988155	118.2518	-0.12658	0.187839	-0.67388	0.500389	0.999277
0.041962	0.332540301	10.57739	0.059631	0.192978	0.309006	0.757317	0.999277
0.972153	0.99553873	35.54031	-0.17175	0.216493	-0.79332	0.427594	0.999277
0.723229	0.937762828	108.6327	-0.22309	0.18782	-1.18781	0.234908	0.999277
0.051361	0.366350637	24.71909	0.096266	0.216022	0.44563	0.655864	0.999277
0.419947	0.811450072	185.8985	-0.09453	0.164075	-0.57616	0.564506	0.999277
0.963339	0.994289023	552.5316	-0.17147	0.138602	-1.23716	0.216027	0.999277
0.859511	0.972502766	413.7588	-0.15148	0.143555	-1.05521	0.291329	0.999277
0.016103	0.198934157	343.0154	0.01495	0.157154	0.095127	0.924214	0.999277
0.712889	0.935646775	216.6068	-0.1231	0.162375	-0.75811	0.448384	0.999277
0.5369	0.87300917	17.35496	-0.09278	0.208794	-0.44435	0.65679	0.999277
0.49077	0.852074096	29.04949	-0.11442	0.216328	-0.52893	0.596855	0.999277
0.013865	0.18386523	118.0284	0.033078	0.179398	0.184385	0.853712	0.999277

0.560306	0.88393878	286.9167	-0.22604	0.149006	-1.51697	0.129274	0.952195
0.229439	0.679572098	73.15125	-0.05648	0.200917	-0.28111	0.778629	0.999277
0.079831	0.446860496	49.33857	-0.00725	0.211805	-0.03424	0.972685	0.999277
0.044945	0.342308082	19.28427	0.082591	0.205749	0.401418	0.688113	0.999277
0.705385	0.93479128	159.2146	-0.14771	0.194775	-0.75837	0.448232	0.999277
0.700188	0.933914128	10.18865	-0.13924	0.189743	-0.73383	0.463053	0.999277
0.217507	0.6680438	402.2426	-0.09235	0.140497	-0.65729	0.510993	0.999277
0.065985	0.413509306	287.3376	-0.04197	0.14323	-0.29306	0.769476	0.999277
0.096931	0.486645207	14.7097	0.033931	0.204104	0.166241	0.867967	0.999277
0.274079	0.716676312	968.2564	-0.01747	0.13072	-0.13364	0.893687	0.999277
0.284754	0.725586344	14.22153	-0.02591	0.202554	-0.12789	0.898233	0.999277
0.629215	0.910993455	333.2902	-0.22762	0.192755	-1.18089	0.237646	0.999277
0.59891	0.898777574	49.8578	-0.10262	0.211274	-0.48574	0.627153	0.999277
0.530279	0.869722899	419.9821	-0.12783	0.146123	-0.87479	0.381686	0.999277
0.202738	0.65034978	16.4563	0.001068	0.207774	0.005138	0.995901	0.999303
0.334759	0.759008088	150.5948	-0.09117	0.18347	-0.49689	0.619264	0.999277
0.468574	0.83903889	175.2525	-0.10415	0.161098	-0.64649	0.517963	0.999277
0.618928	0.907334933	345.626	-0.12957	0.143708	-0.90163	0.367254	0.999277
0.783745	0.952780452	53.85321	-0.14615	0.215546	-0.67806	0.497734	0.999277
0.471775	0.841276746	137.95	-0.27153	0.180655	-1.50303	0.132832	0.959746
0.089854	0.472412873	588.7709	-0.09467	0.159997	-0.59169	0.554055	0.999277
0.146568	0.577756177	391.1667	-0.03637	0.139338	-0.261	0.794091	0.999277
0.898757	0.981094455	251.0828	-0.16899	0.152137	-1.11076	0.266672	0.999277
0.791185	0.954486972	212.1178	-0.15866	0.156394	-1.01451	0.310341	0.999277
0.253226	0.699063843	171.339	-0.08688	0.165098	-0.52623	0.598731	0.999277
0.838419	0.96567072	73.06948	-0.16009	0.199583	-0.80211	0.422489	0.999277
0.086236	0.462935946	26.96079	0.067403	0.213818	0.315235	0.752583	0.999277
0.542723	0.875213603	1059.994	-0.11979	0.128419	-0.9328	0.350922	0.999277
0.580193	0.892820666	222.9129	-0.14047	0.161129	-0.87177	0.383334	0.999277
0.069674	0.422756432	178.8738	0.022452	0.165814	0.135402	0.892294	0.999277
0.256351	0.702061462	1445.812	-0.05736	0.105864	-0.54183	0.587935	0.999277
0.617749	0.907013067	281.9782	-0.12885	0.145872	-0.88329	0.37708	0.999277
0.895961	0.980299181	183.8584	-0.19196	0.172586	-1.11225	0.266032	0.999277
0.032124	0.287421248	162.5296	-0.03756	0.167173	-0.2247	0.822211	0.999277
0.58802	0.894310786	38.23129	-0.10851	0.21536	-0.50384	0.614375	0.999277
0.393309	0.795485504	489.2117	-0.25799	0.155909	-1.65478	0.097969	0.89417
0.233657	0.683219522	97.19699	-0.0316	0.191864	-0.16469	0.869186	0.999277
0.252002	0.698138267	145.162	-0.06238	0.173115	-0.36034	0.718594	0.999277
0.582353	0.892926328	59.6013	-0.1011	0.207156	-0.48803	0.625532	0.999277
0.571253	0.889450986	1306.211	-0.10741	0.117642	-0.91302	0.361233	0.999277
0.122069	0.535157912	94.5953	0.01723	0.188702	0.091308	0.927248	0.999277
0.166443	0.605328888	684.2681	-0.07947	0.149863	-0.53031	0.595897	0.999277
0.057685	0.387668322	105.5041	-0.02066	0.187687	-0.11007	0.912351	0.999277
0.086554	0.463715767	182.548	-0.01579	0.161561	-0.09772	0.922154	0.999277
0.140352	0.570712753	3412.256	-0.00383	0.104023	-0.03683	0.970622	0.999277
0.544661	0.875466782	233.1303	-0.12825	0.159976	-0.80169	0.422731	0.999277
0.911333	0.983830754	113.7301	-0.16859	0.184416	-0.91419	0.360615	0.999277
0.274591	0.716893573	16.82272	-0.02554	0.208351	-0.1226	0.90242	0.999277
0.553219	0.880941817	369.6983	-0.11275	0.143262	-0.78703	0.431262	0.999277
0.179276	0.623409084	161.6685	-0.29876	0.179789	-1.66172	0.096568	0.889738
0.982786	0.997409543	106.9291	-0.18028	0.189685	-0.95043	0.341894	0.999277
0.008202	0.138244522	168.8324	0.101749	0.16547	0.614911	0.538613	0.999277

0.868625	0.974642523	58.31845	-0.1648	0.211714	-0.7784	0.436333	0.999277
0.409854	0.80306566	79.33528	-0.0936	0.199474	-0.46922	0.638909	0.999277
0.85145	0.96960608	232.172	-0.16359	0.166097	-0.98493	0.324657	0.999277
0.322566	0.752223029	78.25994	-0.0578	0.201557	-0.28675	0.774303	0.999277
0.249389	0.696085436	97.8292	-0.06415	0.188225	-0.3408	0.733251	0.999277
0.66663	0.925067398	91.50465	-0.14025	0.193447	-0.72503	0.468434	0.999277
0.755043	0.944386	84.45513	-0.20935	0.211251	-0.991	0.321685	0.999277
0.321517	0.751742815	1675.798	-0.06654	0.121526	-0.54755	0.584003	0.999277
0.065386	0.41188508	117.7437	-0.01886	0.182853	-0.10316	0.91784	0.999277
0.693804	0.932443337	1163.202	-0.14386	0.123101	-1.16864	0.242551	0.999277
0.437886	0.819206029	217.4538	-0.11851	0.163942	-0.72286	0.469763	0.999277
0.470754	0.840393952	13.19763	-0.08008	0.194564	-0.41159	0.680642	0.999277
0.03197	0.286708803	14.41337	0.077942	0.204635	0.380885	0.703289	0.999277
0.020018	0.224131956	12.2131	0.150854	0.195705	0.770825	0.44081	0.999277
0.166542	0.605328888	190.1836	-0.09059	0.166181	-0.54516	0.585645	0.999277
0.664491	0.924678622	119.9226	-0.13503	0.180021	-0.75009	0.4532	0.999277
0.773935	0.949821182	142.2475	-0.21689	0.178656	-1.214	0.224747	0.999277
0.194137	0.639485442	93.39798	-0.07176	0.20077	-0.35742	0.720778	0.999277
0.104499	0.501644228	61.24381	-0.05102	0.206837	-0.24665	0.80518	0.999277
0.374002	0.787458382	149.7855	-0.08658	0.17909	-0.48347	0.628765	0.999277
0.068716	0.421069867	396.8637	0.056418	0.143121	0.394198	0.693435	0.999277
0.786006	0.95351673	117.5754	-0.15113	0.17926	-0.84306	0.399198	0.999277
0.359421	0.777155924	157.6256	-0.08536	0.172895	-0.49371	0.621512	0.999277
0.058812	0.391734866	173.7114	-0.03109	0.170364	-0.18248	0.855208	0.999277
0.014484	0.188652122	1102.069	0.062502	0.106124	0.588951	0.555894	0.999277
0.343188	0.765527629	412.0155	-0.07645	0.143452	-0.53292	0.594088	0.999277
0.106312	0.505901222	130.1224	-0.03416	0.190312	-0.17947	0.857565	0.999277
0.015424	0.194359404	248.1308	-0.02182	0.158477	-0.13768	0.890492	0.999277
0.769691	0.94929683	1143.629	-0.15482	0.108641	-1.42502	0.154151	0.990194
0.430004	0.815670844	133.8433	-0.07751	0.179467	-0.4319	0.665816	0.999277
0.260748	0.704284115	111.0423	-0.09234	0.183113	-0.50427	0.614074	0.999277
0.058247	0.389684394	96.12818	0.062306	0.189286	0.329162	0.742034	0.999277
0.396503	0.797240884	463.3095	-0.10691	0.147208	-0.72624	0.467691	0.999277
0.800187	0.956574326	103.3863	-0.16303	0.184703	-0.88267	0.377415	0.999277
0.096925	0.486645207	83.49648	0.052773	0.193268	0.273057	0.78481	0.999277
0.016637	0.202349152	155.9895	0.038594	0.173302	0.222696	0.823772	0.999277
0.031877	0.286708803	129.5492	-0.0332	0.178339	-0.18618	0.852304	0.999277
0.415247	0.807960817	142.0277	-0.10431	0.183682	-0.5679	0.570102	0.999277
0.511715	0.861174707	91.13977	-0.11099	0.20436	-0.54308	0.587071	0.999277
0.083631	0.456095855	174.6689	0.007459	0.175174	0.04258	0.966036	0.999277
0.966601	0.994967341	118.4128	-0.17832	0.180676	-0.98696	0.323664	0.999277
0.52675	0.868304398	87.06853	-0.11218	0.200238	-0.56024	0.575317	0.999277
0.354691	0.774326904	92.48099	-0.1086	0.198705	-0.54655	0.58469	0.999277
0.830425	0.963218067	48.37334	-0.1527	0.213362	-0.71567	0.474195	0.999277
0.81556	0.959578957	203.6299	-0.20183	0.16713	-1.2076	0.2272	0.999277
0.611282	0.904473039	184.7961	-0.14291	0.16872	-0.84705	0.396967	0.999277
0.679877	0.928707156	220.8204	-0.14165	0.152059	-0.93155	0.351571	0.999277
0.777002	0.950382298	1144.28	-0.1565	0.108821	-1.43814	0.150394	0.982122
0.965769	0.994841882	227.0191	-0.17736	0.174167	-1.01832	0.308527	0.999277
0.238645	0.687938318	473.7488	-0.11814	0.132779	-0.88977	0.373591	0.999277
0.2568	0.70233271	221.2304	-0.31878	0.164294	-1.94033	0.05234	0.719942
0.993384	0.998538548	41.6483	-0.18043	0.215355	-0.83782	0.402132	0.999277

0.141184	0.57119039	480.0229	-0.02127	0.150233	-0.14155	0.887435	0.999277
0.192061	0.638821592	90.46621	-0.05863	0.192878	-0.30398	0.761143	0.999277
0.9881	0.998384791	101.434	-0.18016	0.201365	-0.89471	0.370941	0.999277
0.097239	0.487360346	62.1982	-0.04244	0.204017	-0.20801	0.835224	0.999277
0.296912	0.735511736	2177.272	-0.23904	0.115839	-2.06358	0.039057	0.661945
0.154861	0.592118621	263.324	-0.04829	0.157946	-0.30577	0.759782	0.999277
0.063813	0.406539535	25.51066	-0.35483	0.215993	-1.6428	0.100425	0.899753
0.026529	0.259918902	437.1364	0.079983	0.131954	0.606145	0.544418	0.999277
0.414984	0.807960817	29.77884	-0.09067	0.216996	-0.41784	0.676061	0.999277
0.768372	0.948979185	77.70025	-0.21495	0.200624	-1.0714	0.283991	0.999277
0.03518	0.303238692	71.30095	0.000996	0.199898	0.004985	0.996023	0.999339
0.238555	0.687826436	55.22342	-0.09298	0.210049	-0.44267	0.658002	0.999277
0.390204	0.794805703	126.3446	-0.0853	0.196051	-0.43507	0.663509	0.999277
0.309777	0.743963115	282.5866	-0.09854	0.144801	-0.6805	0.496185	0.999277
0.612864	0.905090002	763.7582	-0.13569	0.124864	-1.08673	0.277156	0.999277
0.590275	0.895584283	62.47449	-0.1307	0.208252	-0.62762	0.530253	0.999277
0.164927	0.603971115	10.72098	0.01498	0.196112	0.076383	0.939114	0.999277
0.386384	0.792576238	18.34061	-0.08099	0.211702	-0.38256	0.702047	0.999277
0.4385	0.819894808	193.4867	-0.25474	0.160667	-1.5855	0.112852	0.925201
0.881831	0.97678025	69.28277	-0.16464	0.214425	-0.76782	0.442594	0.999277
0.449138	0.825126772	592.5675	-0.11069	0.143315	-0.77236	0.439903	0.999277
0.205071	0.653022736	29.12903	-0.08552	0.216433	-0.39512	0.692756	0.999277
0.704868	0.934710222	35.90527	-0.14437	0.215967	-0.66846	0.503839	0.999277
0.801641	0.95675967	129.8825	-0.16037	0.182299	-0.87971	0.379016	0.999277
0.908125	0.982479562	126.739	-0.16802	0.182658	-0.91984	0.357657	0.999277
0.927898	0.985704596	79.07837	-0.17525	0.199448	-0.87868	0.379573	0.999277
0.28243	0.723504336	142.8141	-0.08967	0.173159	-0.51785	0.604565	0.999277
0.734245	0.938791295	1260.92	-0.23046	0.104936	-2.19621	0.028077	0.586641
0.9619	0.994289023	55.40807	-0.1775	0.212486	-0.83533	0.403535	0.999277
0.23133	0.681229775	101.2407	-0.04325	0.204627	-0.21135	0.832611	0.999277
0.472304	0.841402894	154.1853	-0.10602	0.168183	-0.63041	0.528425	0.999277
0.898637	0.981094455	183.015	-0.1911	0.166988	-1.1444	0.252456	0.999277
0.933508	0.986607773	171.2778	-0.19254	0.167246	-1.15126	0.249624	0.999277
0.62924	0.910993455	302.8302	-0.13252	0.16	-0.82824	0.407533	0.999277
0.284945	0.725657496	84.28909	-0.06931	0.195007	-0.3554	0.72229	0.999277
0.152873	0.589042386	146.0141	-0.02814	0.175835	-0.16005	0.872838	0.999277
0.352086	0.773558047	420.4907	-0.04974	0.143437	-0.34675	0.728782	0.999277
0.475499	0.842414553	224.5507	-0.11583	0.172206	-0.67261	0.501194	0.999277
0.358588	0.776360158	36.92915	-0.08737	0.21693	-0.40273	0.687144	0.999277
0.020097	0.224422405	95.62574	-0.04244	0.193715	-0.21909	0.826577	0.999277
0.276556	0.718088378	27.18257	-0.08146	0.216545	-0.37616	0.706796	0.999277
0.429946	0.815670844	70.64842	-0.0793	0.200392	-0.39573	0.692302	0.999277
0.608073	0.903740551	217.7192	-0.23988	0.158098	-1.51727	0.129199	0.952195
0.917295	0.98454795	426.565	-0.17024	0.147734	-1.15237	0.24917	0.999277
0.62035	0.907694108	175.6627	-0.23479	0.181072	-1.29668	0.194741	0.999277
0.881737	0.97678025	191.9756	-0.19752	0.160451	-1.23103	0.218311	0.999277
0.000624	0.027261057	572.7044	-0.02101	0.130202	-0.16138	0.871796	0.999277
0.680207	0.928925705	347.0464	-0.15323	0.148271	-1.03346	0.30139	0.999277
0.686913	0.931172733	280.5654	-0.22127	0.160053	-1.3825	0.166819	0.999277
0.719815	0.936421107	21.83555	-0.14144	0.214426	-0.65964	0.509486	0.999277
0.958051	0.993016963	400.2677	-0.19026	0.144699	-1.31485	0.188559	0.999277
0.683946	0.930703599	54.91274	-0.21664	0.210437	-1.02949	0.303251	0.999277

0.427875	0.815001869	11.75983	-0.08527	0.197974	-0.4307	0.666685	0.999277
0.002527	0.067553382	146.3744	-0.00733	0.175563	-0.04177	0.966685	0.999277
0.00899	0.144251328	285.3548	0.020684	0.159381	0.129778	0.896742	0.999277
0.491924	0.852802998	497.3669	-0.10151	0.130761	-0.7763	0.437572	0.999277
0.62199	0.907988155	8.900184	-0.1133	0.140905	-0.80406	0.42136	0.999277
0.470054	0.839788099	54.59828	-0.25336	0.214132	-1.18321	0.236726	0.999277
0.477132	0.84304528	369.9966	-0.10157	0.134146	-0.75713	0.448974	0.999277
0.933704	0.986607773	201.9008	-0.17626	0.177815	-0.99125	0.321564	0.999277
0.12154	0.534218212	60.81388	-0.03259	0.20474	-0.15917	0.873538	0.999277
0.073417	0.431351972	454.2286	-0.05018	0.125555	-0.39966	0.689408	0.999277
0.81575	0.959578957	150.2659	-0.16385	0.175226	-0.93509	0.349743	0.999277
0.052468	0.371278075	406.7393	-0.06327	0.158084	-0.40021	0.689	0.999277
0.986767	0.998041473	147.8495	-0.18681	0.179088	-1.04311	0.296895	0.999277
0.485601	0.84842492	1426.865	-0.11705	0.117374	-0.99724	0.31865	0.999277
0.493075	0.852802998	418.1315	-0.28006	0.151865	-1.84413	0.065165	0.780408
0.413316	0.8071291	1956.078	-0.08718	0.113323	-0.76927	0.441735	0.999277
0.115699	0.524252698	27.26469	-0.00158	0.216781	-0.00729	0.994183	0.999277
0.298071	0.736579797	238.2795	-0.05641	0.138856	-0.40627	0.684545	0.999277
0.979853	0.996602004	80.10005	-0.18772	0.19836	-0.94634	0.343975	0.999277
0.37364	0.787458382	365.9175	-0.08834	0.144226	-0.61251	0.540199	0.999277
0.223331	0.673502265	171.6414	-0.05936	0.164408	-0.36105	0.718065	0.999277
0.860868	0.972797288	54.30818	-0.16422	0.209492	-0.78391	0.433094	0.999277
0.457918	0.831747418	120.0301	-0.12597	0.188181	-0.66939	0.503248	0.999277
0.216504	0.66711094	77.8228	-0.09602	0.2002	-0.4796	0.631512	0.999277
0.176752	0.619698727	8.826098	0.007819	0.179187	0.043637	0.965194	0.999277
0.016038	0.198473106	80.75638	0.058498	0.197596	0.296046	0.767195	0.999277
0.007485	0.131193842	1018.332	0.107934	0.10933	0.987227	0.323531	0.999277
0.290925	0.730514779	13.10539	-0.04429	0.201787	-0.2195	0.82626	0.999277
0.012362	0.172306617	187.1627	-0.02553	0.161447	-0.15816	0.874331	0.999277
0.535786	0.872591863	92.9022	-0.27069	0.200223	-1.35194	0.176396	0.999277
0.006139	0.116885756	901.5643	0.139743	0.121489	1.150244	0.250043	0.999277
0.915927	0.98454795	23.94495	-0.17158	0.216233	-0.79349	0.427494	0.999277
0.010654	0.159172138	123.4946	0.0574	0.178217	0.322082	0.74739	0.999277
0.862476	0.9732029	303.0776	-0.20843	0.143694	-1.45054	0.146908	0.977404
0.884612	0.977581014	196.5211	-0.20377	0.170257	-1.19686	0.231361	0.999277
0.019021	0.217113564	93.77052	0.004724	0.190423	0.024807	0.980209	0.999277
0.819799	0.960194571	388.0392	-0.20571	0.141493	-1.45383	0.145992	0.977082
0.277463	0.719241383	143.9435	-0.08383	0.179281	-0.46757	0.64009	0.999277
0.569281	0.888674109	203.4409	-0.23816	0.161562	-1.47413	0.140446	0.969621
0.916645	0.98454795	16.86682	-0.17519	0.209712	-0.8354	0.403491	0.999277
0.678325	0.928687921	147.9125	-0.13788	0.194861	-0.7076	0.479194	0.999277
0.66622	0.925067398	94.71013	-0.13117	0.199616	-0.6571	0.511119	0.999277
0.921808	0.985704596	941.9425	-0.19764	0.111794	-1.76788	0.077081	0.819234
0.190282	0.637982754	113.566	-0.03527	0.183096	-0.19261	0.847264	0.999277
0.050512	0.363343646	162.2455	-0.03328	0.173713	-0.19157	0.848077	0.999277
0.142914	0.57212597	56.68896	-0.05696	0.210418	-0.2707	0.786625	0.999277
0.11413	0.52103026	68.64071	-0.07716	0.20366	-0.37885	0.704802	0.999277
0.102287	0.498640355	320.8209	-0.06522	0.161747	-0.40323	0.686779	0.999277
0.262764	0.70600374	144.9588	-0.07784	0.172634	-0.45089	0.652067	0.999277
0.16459	0.603971115	52.91252	-0.08924	0.212094	-0.42074	0.673944	0.999277
0.445957	0.824037121	50.03845	-0.07619	0.214665	-0.35493	0.722645	0.999277
0.207976	0.656087765	99.79595	-0.29039	0.187419	-1.54941	0.121283	0.930865

0.203063	0.650453833	198.2969	-0.05531	0.16547	-0.33426	0.738183	0.999277
0.027136	0.263227425	79.14444	0.014164	0.199512	0.070995	0.943402	0.999277
0.880326	0.97662978	160.4885	-0.16878	0.191914	-0.87947	0.379148	0.999277
0.626987	0.909722396	182.12	-0.13545	0.184099	-0.73575	0.461884	0.999277
0.530153	0.869704317	49.53287	-0.24729	0.215321	-1.14849	0.250765	0.999277
0.490991	0.852126386	22.34567	-0.09722	0.215027	-0.45214	0.651166	0.999277
0.687843	0.931172733	394.2119	-0.13581	0.152069	-0.89309	0.371808	0.999277
0.815991	0.959674328	159.0951	-0.15628	0.168577	-0.92707	0.35389	0.999277
0.025693	0.25654523	25.95866	-0.00313	0.216411	-0.01445	0.988467	0.999277
0.101723	0.497206985	371.959	-0.07112	0.148572	-0.47866	0.632178	0.999277
0.496426	0.853814273	140.5895	-0.09853	0.196787	-0.5007	0.616582	0.999277
0.686182	0.931172733	251.2492	-0.14676	0.147162	-0.99725	0.318643	0.999277
0.600904	0.899179976	102.5148	-0.13797	0.196358	-0.70267	0.482264	0.999277
0.59786	0.898032233	50.28752	-0.24511	0.212913	-1.15122	0.249642	0.999277
0.635048	0.91246753	290.8566	-0.12242	0.150205	-0.81499	0.41508	0.999277
0.046733	0.348720368	32.42085	-0.01156	0.21699	-0.05329	0.957504	0.999277
0.483521	0.847747853	194.9657	-0.28138	0.192424	-1.4623	0.14366	0.976872
0.185423	0.631890551	79.83363	-0.0593	0.200908	-0.29516	0.767869	0.999277
0.062887	0.404145424	307.8718	-0.03176	0.140862	-0.22549	0.821599	0.999277
0.759704	0.945614784	337.1545	-0.15282	0.144207	-1.05972	0.28927	0.999277
0.031662	0.285767668	120.4397	-0.02676	0.180854	-0.14797	0.882368	0.999277
0.77409	0.949821182	199.9633	-0.16865	0.16385	-1.02928	0.303347	0.999277
0.071767	0.428248021	55.62495	-0.0378	0.211491	-0.17873	0.858147	0.999277
0.487633	0.850075728	369.9252	-0.11598	0.137015	-0.84644	0.397306	0.999277
0.826007	0.962521459	23.97751	-0.15785	0.216187	-0.73014	0.465306	0.999277
0.893814	0.979634139	127.7632	-0.20203	0.182647	-1.10614	0.268667	0.999277
0.860868	0.972797288	54.1837	-0.16771	0.209455	-0.80071	0.423297	0.999277
0.895106	0.97993049	71.61157	-0.20087	0.205382	-0.97805	0.32805	0.999277
7.64E-05	0.006783972	434.8145	0.224036	0.138214	1.620935	0.105032	0.902586
0.480107	0.846201906	177.7028	-0.1309	0.17758	-0.73715	0.461029	0.999277
0.274427	0.716737013	95.6649	-0.08226	0.190547	-0.43169	0.665969	0.999277
0.451809	0.827016761	117.8537	-0.13191	0.179542	-0.7347	0.462525	0.999277
0.335895	0.759376853	647.6819	-0.07136	0.132904	-0.53696	0.591297	0.999277
0.401217	0.799749836	333.4319	-0.09222	0.142628	-0.64657	0.517909	0.999277
0.502441	0.856224864	16.23014	-0.13015	0.208671	-0.6237	0.532822	0.999277
0.263216	0.706507506	1390.251	-0.06068	0.118176	-0.51351	0.607598	0.999277
0.502221	0.856224747	43.82723	-0.12861	0.21421	-0.6004	0.548242	0.999277
0.255311	0.70177652	21.26763	-0.11567	0.214238	-0.53991	0.589261	0.999277
0.70882	0.93479128	58.75868	-0.22078	0.208759	-1.05758	0.290247	0.999277
0.280976	0.721618953	211.8161	-0.07543	0.177068	-0.42599	0.670112	0.999277
0.704424	0.934710222	134.4005	-0.23874	0.177835	-1.34246	0.179446	0.999277
0.680646	0.929103004	170.4043	-0.2231	0.186699	-1.19499	0.232091	0.999277
0.01696	0.203527919	277.3848	0.074803	0.149019	0.501968	0.61569	0.999277
0.860279	0.972625572	42.43731	-0.16896	0.215401	-0.78441	0.432802	0.999277
0.584738	0.893351105	171.6435	-0.23905	0.178275	-1.34089	0.179955	0.999277
0.807761	0.958353056	409.2302	-0.16068	0.135117	-1.18922	0.234353	0.999277
0.222459	0.672791931	25.44685	-0.04703	0.216338	-0.21738	0.827909	0.999277
0.524741	0.867773724	130.5796	-0.14014	0.183357	-0.76428	0.444701	0.999277
0.89567	0.980269739	33.08806	-0.17678	0.2166	-0.81617	0.414405	0.999277
0.303624	0.739758551	108.8191	-0.07158	0.185171	-0.38656	0.699085	0.999277
0.104744	0.501847039	327.8541	-0.08845	0.138599	-0.6382	0.523343	0.999277
0.000576	0.026086234	703.4096	0.047306	0.122251	0.386961	0.698785	0.999277

0.028254	0.269609157	120.806	0.045042	0.18039	0.249691	0.802826	0.999277
0.386024	0.792576238	67.93295	-0.08306	0.209635	-0.39621	0.69195	0.999277
0.549361	0.878491002	377.9995	-0.1457	0.138362	-1.05302	0.292333	0.999277
0.764164	0.947461404	68.45551	-0.14961	0.203367	-0.73567	0.461929	0.999277
0.976726	0.996317022	28.91838	-0.19377	0.216973	-0.89305	0.37183	0.999277
0.422956	0.813006967	595.3369	-0.11612	0.126274	-0.9196	0.357782	0.999277
0.575432	0.890535872	84.08824	-0.13287	0.197517	-0.67271	0.50113	0.999277
0.615602	0.906204018	48.12309	-0.12383	0.211822	-0.58462	0.558806	0.999277
0.035996	0.30647058	13.29683	0.048652	0.197543	0.246287	0.80546	0.999277
0.18997	0.637953589	11.75947	-0.02013	0.191219	-0.10528	0.916157	0.999277
0.667566	0.925067398	105.639	-0.13778	0.187649	-0.73423	0.462806	0.999277
0.451561	0.827016761	138.2219	-0.26855	0.182044	-1.47522	0.140154	0.968664
0.276142	0.717891813	806.6554	-0.11834	0.113286	-1.0446	0.296208	0.999277
0.260699	0.704284115	10.94872	-0.0727	0.185092	-0.39278	0.694482	0.999277
0.008229	0.138359339	861.9618	0.009013	0.132632	0.067954	0.945822	0.999277
0.051731	0.368012145	27.63523	0.005118	0.21594	0.0237	0.981092	0.999277
0.039654	0.322987351	263.817	-0.03268	0.148956	-0.21936	0.826367	0.999277
0.601778	0.899470672	278.8476	-0.14958	0.148323	-1.00848	0.313222	0.999277
0.640365	0.91422212	13.05908	-0.12946	0.199764	-0.64807	0.516942	0.999277
0.077933	0.442349225	170.2413	-0.01849	0.171179	-0.10802	0.913984	0.999277
0.303679	0.739758551	95.53971	-0.27806	0.196217	-1.41711	0.156451	0.996626
0.830613	0.963218067	42.81964	-0.17363	0.214354	-0.81003	0.417924	0.999277
0.430601	0.816125337	854.6857	-0.26092	0.111228	-2.34584	0.018984	0.490762
0.848238	0.968781237	104.2572	-0.21628	0.186302	-1.16094	0.245668	0.999277
0.205994	0.65381832	10.03748	-0.02674	0.179165	-0.14922	0.881377	0.999277
0.616737	0.906747483	1031.295	-0.13724	0.119034	-1.15291	0.248947	0.999277
0.251714	0.697958034	144.3958	-0.08271	0.178996	-0.4621	0.644008	0.999277
0.711648	0.935646775	47.66046	-0.22252	0.213512	-1.04221	0.297315	0.999277
0.001707	0.051425719	236.1518	0.044981	0.160746	0.27983	0.779608	0.999277
0.28862	0.728621266	18.32184	-0.0924	0.20727	-0.44578	0.655756	0.999277
0.877472	0.976223954	1295.389	-0.21423	0.14413	-1.48634	0.13719	0.961317
0.071269	0.426243041	204.2415	-0.03024	0.163484	-0.18496	0.853257	0.999277
0.043727	0.337833053	38.91503	-0.0549	0.215437	-0.25483	0.798851	0.999277
0.523666	0.867391373	34.42153	-0.10609	0.21671	-0.48954	0.624459	0.999277
0.31762	0.750019078	942.8584	-0.12328	0.14094	-0.87468	0.381751	0.999277
0.912314	0.983953937	452.0901	-0.1829	0.133232	-1.37281	0.169811	0.999277
0.000906	0.035012796	449.3849	0.111296	0.134737	0.826028	0.408788	0.999277
0.601049	0.899179976	91.92623	-0.25756	0.202611	-1.2712	0.203657	0.999277
0.760347	0.945975258	85.39241	-0.1676	0.198474	-0.84442	0.398436	0.999277
0.174607	0.617483023	14.57571	-0.03656	0.202833	-0.18024	0.856961	0.999277
0.047043	0.349223915	260.1929	0.006961	0.163351	0.042613	0.96601	0.999277
0.168831	0.609422997	85.42422	-0.10625	0.19766	-0.53753	0.590901	0.999277
0.878127	0.976223954	95.69564	-0.21522	0.193852	-1.11021	0.266909	0.999277
0.013114	0.178685656	118.1382	-0.00205	0.181554	-0.01128	0.991002	0.999277
0.115699	0.524252698	26.72453	-0.00928	0.21664	-0.04284	0.96583	0.999277
0.485201	0.84842492	201.2149	-0.09147	0.174922	-0.52291	0.601038	0.999277
0.009271	0.14700818	50.34668	0.019946	0.210569	0.094726	0.924533	0.999277
0.000248	0.015009216	368.7965	0.193535	0.143596	1.347769	0.177733	0.999277
0.653745	0.919811662	85.25772	-0.14536	0.216249	-0.67221	0.501453	0.999277
0.570108	0.888935841	120.445	-0.15803	0.185471	-0.85204	0.394192	0.999277
0.072332	0.42914227	38.85365	-0.02484	0.215653	-0.11517	0.908311	0.999277
0.225537	0.675194667	487.0441	-0.08095	0.130709	-0.6193	0.535718	0.999277

0.297601	0.73607616	28.29133	-0.12058	0.216018	-0.55821	0.5767	0.999277
0.434596	0.817830347	2982.768	-0.09259	0.104398	-0.88694	0.375112	0.999277
0.072326	0.42914227	17.52413	0.058543	0.164479	0.355931	0.721892	0.999277
0.337449	0.760158764	180.3013	-0.10234	0.175089	-0.58451	0.558876	0.999277
1.22E-05	0.001670256	290.9041	0.045078	0.144609	0.311725	0.75525	0.999277
0.893814	0.979634139	127.6061	-0.20695	0.183368	-1.1286	0.259066	0.999277
0.00583	0.11400287	573.1352	0.054308	0.11858	0.45799	0.646959	0.999277
0.568702	0.888146309	784.4459	-0.14338	0.133411	-1.07469	0.282513	0.999277
0.899599	0.981243428	115.487	-0.17603	0.180219	-0.97675	0.328691	0.999277
0.406153	0.801957174	713.0569	-0.26563	0.133695	-1.98681	0.046943	0.690038
0.430132	0.815773194	450.6404	-0.15687	0.134682	-1.16478	0.244107	0.999277
0.016316	0.201041291	589.131	-0.0193	0.142813	-0.13517	0.892478	0.999277
0.427313	0.814589985	8.690522	-0.0897	0.185463	-0.48367	0.628621	0.999277
0.170884	0.612136288	140.7018	-0.08221	0.185813	-0.44245	0.658166	0.999277
0.285806	0.726541819	140.3612	-0.08954	0.173551	-0.51595	0.605891	0.999277
0.07061	0.425044249	19.07706	0.036401	0.211914	0.171771	0.863618	0.999277
0.258326	0.702821884	127.0651	-0.04128	0.176827	-0.23347	0.815395	0.999277
0.041503	0.330996125	146.6382	-0.02309	0.1798	-0.12845	0.897795	0.999277
0.179937	0.624083647	156.4809	-0.08479	0.174671	-0.48543	0.627372	0.999277
0.152956	0.589042386	288.7767	-0.07602	0.143843	-0.52848	0.597168	0.999277
0.160574	0.599381778	206.1195	-0.07114	0.165342	-0.43023	0.667027	0.999277
0.327918	0.754803522	283.5921	-0.11734	0.150888	-0.77769	0.436753	0.999277
0.192134	0.638821592	162.9874	-0.06721	0.165326	-0.40654	0.684347	0.999277
0.75798	0.945376634	99.91457	-0.16174	0.189675	-0.85271	0.393821	0.999277
0.790051	0.954486972	299.1656	-0.15606	0.163269	-0.95587	0.339135	0.999277
0.006865	0.124537418	26.01724	0.026281	0.216641	0.121313	0.903443	0.999277
0.809088	0.958353056	513.1816	-0.17906	0.146798	-1.21977	0.222554	0.999277
0.925603	0.985704596	364.8949	-0.18395	0.170487	-1.07894	0.280614	0.999277
0.204782	0.652864071	9.898427	-0.01098	0.193013	-0.05691	0.95462	0.999277
0.697574	0.93366087	186.8303	-0.15227	0.171344	-0.88866	0.374184	0.999277
0.010904	0.161765471	1015.672	-0.04184	0.126272	-0.33138	0.740354	0.999277
0.823906	0.961847422	919.5497	-0.21201	0.129793	-1.63344	0.102376	0.899753
0.187581	0.635226724	624.4336	-0.0485	0.129154	-0.37554	0.707261	0.999277
0.244467	0.692473809	99.17701	-0.06291	0.189872	-0.33131	0.740414	0.999277
0.65526	0.920183555	62.59951	-0.25878	0.211344	-1.22443	0.220792	0.999277
0.674644	0.927604313	80.54804	-0.16496	0.206003	-0.80077	0.423262	0.999277
0.897018	0.980340433	94.73336	-0.20866	0.19487	-1.07076	0.284277	0.999277
0.837569	0.965547986	522.5638	-0.16584	0.140718	-1.17855	0.238579	0.999277
0.004097	0.092734767	153.5933	0.028152	0.171248	0.164395	0.86942	0.999277
0.421167	0.812024774	188.3357	-0.10104	0.195759	-0.51616	0.60574	0.999277
0.299394	0.737986555	168.6358	-0.08519	0.177502	-0.47991	0.631289	0.999277
0.040806	0.32858674	1392.336	0.023177	0.103554	0.223811	0.822904	0.999277
0.543842	0.875213603	286.8962	-0.13735	0.159394	-0.86172	0.388841	0.999277
0.719958	0.936421107	44.67993	-0.24774	0.215418	-1.15006	0.250119	0.999277
0.847885	0.968759212	162.8946	-0.21147	0.187158	-1.12992	0.25851	0.999277
0.800187	0.956574326	611.7031	-0.21924	0.14161	-1.54817	0.121582	0.931292
0.493534	0.852884847	171.2991	-0.13098	0.166474	-0.7868	0.431397	0.999277
0.818489	0.959879229	24.5688	-0.22844	0.211918	-1.07798	0.281043	0.999277
0.301081	0.739126568	87.55746	-0.07872	0.193977	-0.40582	0.684878	0.999277
0.713469	0.935646775	72.78393	-0.16397	0.200283	-0.81871	0.41295	0.999277
0.048791	0.356386431	29.29199	0.029193	0.216973	0.134547	0.89297	0.999277
0.375139	0.787458382	47.14613	-0.1208	0.214876	-0.56218	0.573995	0.999277

0.992556	0.998538548	70.0752	-0.19489	0.203552	-0.95745	0.33834	0.999277
0.261893	0.705506963	74.63063	-0.1055	0.198801	-0.53068	0.595643	0.999277
0.460138	0.832632762	39.04364	-0.10677	0.215059	-0.49648	0.619556	0.999277
0.266678	0.709752612	327.9848	-0.12889	0.154555	-0.83392	0.404325	0.999277
0.818275	0.959879229	24.90451	-0.22722	0.216454	-1.04974	0.293838	0.999277
0.318805	0.75032045	60.86326	-0.06732	0.20567	-0.32731	0.743434	0.999277
0.005436	0.109745734	15.20789	0.072248	0.205335	0.351852	0.724949	0.999277
0.848254	0.968781237	54.53375	-0.17244	0.208044	-0.82886	0.407184	0.999277
0.110577	0.514156037	710.1642	-0.06029	0.131388	-0.45889	0.646313	0.999277
0.55297	0.88092468	88.37513	-0.11482	0.201385	-0.57015	0.568575	0.999277
0.113163	0.518563319	28.09701	-0.07349	0.216939	-0.33875	0.734798	0.999277
0.000961	0.035993171	119.8759	0.039879	0.179835	0.221755	0.824504	0.999277
0.104164	0.501569591	135.7564	-0.06957	0.177084	-0.39284	0.694438	0.999277
0.037694	0.314791755	69.41013	0.010742	0.201379	0.053341	0.957461	0.999277
0.045571	0.344040196	10.5958	0.083815	0.18492	0.45325	0.650369	0.999277
0.591689	0.895697175	187.8529	-0.13894	0.167972	-0.82714	0.408157	0.999277
0.257012	0.70233271	265.0066	-0.08968	0.151693	-0.59118	0.554403	0.999277
0.030379	0.279438008	78.93881	0.06948	0.20105	0.345587	0.729653	0.999277
0.062197	0.401855987	78.36407	0.00933	0.200456	0.046545	0.962876	0.999277
0.329761	0.756205155	157.4606	-0.12681	0.184037	-0.68905	0.490795	0.999277
0.258326	0.702821884	127.2796	-0.04448	0.176778	-0.25162	0.801331	0.999277
0.092549	0.477746349	348.3183	-0.05336	0.153406	-0.34782	0.727974	0.999277
0.231822	0.681647826	38.20715	-0.08045	0.21625	-0.37203	0.709868	0.999277
0.005975	0.114757919	201.1044	0.013195	0.155442	0.084889	0.932349	0.999277
0.193101	0.639447293	29.35065	-0.01152	0.216984	-0.0531	0.957656	0.999277
0.197821	0.645175918	15.00407	-0.07857	0.192249	-0.4087	0.682756	0.999277
0.14155	0.571336955	62.40223	-0.00927	0.204654	-0.04531	0.963862	0.999277
0.059453	0.392821957	27.47288	-0.05793	0.216642	-0.26742	0.789148	0.999277
0.179834	0.623888114	141.1882	-0.10929	0.173409	-0.63027	0.528518	0.999277
0.539842	0.873794135	28.4081	-0.28152	0.216847	-1.29826	0.194198	0.999277
0.194933	0.640529826	28.33002	-0.04236	0.215233	-0.1968	0.843987	0.999277
0.091714	0.475861473	51.67525	0.04543	0.211202	0.215103	0.829687	0.999277
0.024374	0.249486288	112.5327	0.0164	0.187801	0.087326	0.930412	0.999277
0.191386	0.638563236	427.1608	-0.07339	0.13078	-0.56121	0.574657	0.999277
0.024433	0.249486288	235.812	-0.07444	0.155647	-0.47825	0.632475	0.999277
0.056684	0.384967357	255.0056	-0.03466	0.15523	-0.22331	0.823297	0.999277
0.982179	0.997345179	128.6845	-0.19988	0.178311	-1.12097	0.262299	0.999277
0.005568	0.111082147	656.9204	-0.03395	0.119533	-0.284	0.776407	0.999277
0.773157	0.949821182	105.9225	-0.16914	0.193356	-0.87477	0.381699	0.999277
0.456654	0.830715414	103.3862	-0.13644	0.194562	-0.70127	0.483134	0.999277
0.287596	0.727908473	163.4841	-0.11627	0.170202	-0.68312	0.494528	0.999277
0.328837	0.755404931	58.31988	-0.08778	0.211458	-0.41514	0.678039	0.999277
0.332027	0.757999532	708.5166	-0.26686	0.117671	-2.26789	0.023336	0.533496
0.76905	0.949292598	434.4852	-0.23023	0.132993	-1.73114	0.083427	0.83711
0.051661	0.367707418	160.735	-0.03089	0.172742	-0.17884	0.85806	0.999277
0.287363	0.72790282	16.3874	-0.12027	0.209425	-0.57428	0.565781	0.999277
0.172872	0.614733381	135.6869	-0.06455	0.174251	-0.37046	0.711043	0.999277
0.216881	0.667828727	75.23051	-0.08926	0.201813	-0.44228	0.658285	0.999277
0.025967	0.257936507	98.99779	0.096063	0.204521	0.469699	0.63857	0.999277
0.742277	0.940595738	44.80501	-0.16327	0.212721	-0.76755	0.442753	0.999277
0.163508	0.602567005	59.58224	-0.1049	0.206834	-0.50716	0.612041	0.999277
0.969322	0.99553873	117.7756	-0.19602	0.1974	-0.99299	0.320713	0.999277

0.098657	0.490529402	430.8808	-0.05516	0.135276	-0.40778	0.683439	0.999277
0.667532	0.925067398	24.37575	-0.14982	0.216196	-0.693	0.488312	0.999277
0.772893	0.949821182	52.48057	-0.23353	0.211497	-1.10416	0.269524	0.999277
0.741607	0.94054009	32.28212	-0.15203	0.216418	-0.70246	0.48239	0.999277
0.015111	0.19274143	60.83595	-0.06344	0.206673	-0.30696	0.758875	0.999277
0.02589	0.257497065	122.934	0.014029	0.180573	0.077693	0.938072	0.999277
0.655368	0.920183555	115.1643	-0.17302	0.181678	-0.95237	0.340909	0.999277
0.183066	0.629886351	438.6383	-0.10524	0.13154	-0.80005	0.423683	0.999277
0.425136	0.814270607	45.74252	-0.11188	0.213503	-0.52404	0.600248	0.999277
0.402059	0.799749836	127.8317	-0.28405	0.189737	-1.49707	0.134376	0.96056
0.016468	0.201948656	712.2168	-0.02602	0.134055	-0.19407	0.846121	0.999277
0.066165	0.413684134	94.75764	-0.03033	0.196782	-0.15411	0.877522	0.999277
0.467598	0.838454784	332.3989	-0.11996	0.14126	-0.84922	0.395759	0.999277
0.020707	0.228190501	11.30799	0.116483	0.195118	0.596988	0.550516	0.999277
0.989497	0.998538548	41.89005	-0.19947	0.21563	-0.92507	0.354927	0.999277
0.149576	0.5829813	156.5412	-0.11765	0.174676	-0.67355	0.500599	0.999277
0.848014	0.968759212	226.5694	-0.17684	0.172233	-1.02677	0.304531	0.999277
0.006041	0.115275297	31.82527	0.117688	0.216848	0.54272	0.587323	0.999277
0.450392	0.826097825	306.4533	-0.14064	0.143279	-0.98157	0.32631	0.999277
0.016015	0.198401464	189.0966	-0.07641	0.160874	-0.47496	0.634813	0.999277
0.82841	0.963218067	172.1449	-0.22703	0.180256	-1.25951	0.207848	0.999277
0.004868	0.102129912	159.1399	0.00206	0.180669	0.011401	0.990904	0.999277
0.945248	0.989670978	22.07288	-0.19445	0.211261	-0.92042	0.357353	0.999277
0.335102	0.759008088	13.42	-0.07272	0.154701	-0.47009	0.638292	0.999277
0.219459	0.669749545	406.4173	-0.04036	0.146393	-0.27567	0.782801	0.999277
0.108011	0.510417982	515.8716	-0.04686	0.122873	-0.38137	0.702932	0.999277
0.290973	0.730514779	141.4867	-0.09031	0.179285	-0.50372	0.614461	0.999277
0.648199	0.918344885	31.97785	-0.14805	0.216864	-0.68268	0.49481	0.999277
0.306858	0.743080656	176.5314	-0.10321	0.162565	-0.63491	0.525489	0.999277
0.393296	0.795485504	152.9062	-0.12331	0.168273	-0.73282	0.463667	0.999277
0.60849	0.903795926	176.2244	-0.1425	0.16839	-0.84627	0.397401	0.999277
0.076502	0.439093051	194.8828	-0.07856	0.170806	-0.45996	0.645547	0.999277
0.276148	0.717891813	158.2591	-0.12849	0.172698	-0.74401	0.45687	0.999277
0.387415	0.793285967	76.15745	-0.10847	0.204687	-0.52991	0.596173	0.999277
0.042786	0.333872248	1342.552	0.008904	0.129273	0.068881	0.945085	0.999277
0.020547	0.226793171	21.26666	0.022622	0.212821	0.106298	0.915346	0.999277
0.159078	0.596830002	201.2642	-0.08317	0.174851	-0.47569	0.634299	0.999277
0.296669	0.735498118	310.9838	-0.07498	0.150635	-0.49775	0.618661	0.999277
0.277076	0.719029782	39.20553	-0.09774	0.215376	-0.45379	0.64998	0.999277
0.588248	0.894348324	414.7888	-0.15571	0.15691	-0.99238	0.321013	0.999277
0.076014	0.438116456	92.95813	-0.04743	0.192375	-0.24654	0.805264	0.999277
0.809262	0.958353056	235.3152	-0.17389	0.164923	-1.05435	0.291723	0.999277
0.589595	0.895275622	262.0213	-0.1414	0.149069	-0.94857	0.342841	0.999277
0.819855	0.960194571	25.03665	-0.18558	0.216505	-0.85717	0.391349	0.999277
0.860111	0.972518033	199.1067	-0.22716	0.191834	-1.18416	0.236349	0.999277
0.16779	0.607654212	224.8221	-0.08062	0.156125	-0.51636	0.6056	0.999277
0.086363	0.463081933	14.35571	0.047784	0.204109	0.234111	0.814899	0.999277
0.116801	0.526037829	11.29784	-0.02926	0.198078	-0.14773	0.882553	0.999277
0.038988	0.320909863	163.2729	-0.04893	0.168087	-0.29112	0.77096	0.999277
0.428323	0.815119466	224.6585	-0.12275	0.168053	-0.73041	0.465139	0.999277
0.923918	0.985704596	865.9528	-0.21165	0.145463	-1.45502	0.145664	0.977082
0.583384	0.892957253	260.265	-0.13652	0.14783	-0.92349	0.355751	0.999277

0.521931	0.866449059	144.0158	-0.10953	0.199691	-0.54849	0.583352	0.999277
0.245686	0.693665521	704.6103	-0.07358	0.124059	-0.59311	0.553109	0.999277
0.083549	0.456095855	195.2469	-0.01467	0.157582	-0.09308	0.925838	0.999277
0.218993	0.669212189	86.88264	-0.30693	0.194121	-1.58114	0.113846	0.92907
0.411421	0.804848885	26.79498	-0.12212	0.216678	-0.5636	0.573029	0.999277
0.368757	0.784562847	509.3247	-0.1199	0.145404	-0.82463	0.409584	0.999277
0.459066	0.832244861	38.60008	-0.11263	0.214865	-0.52419	0.600148	0.999277
0.828644	0.963218067	255.7366	-0.18112	0.167214	-1.08315	0.27874	0.999277
0.108323	0.510417982	113.1527	-0.05666	0.181413	-0.31235	0.754777	0.999277
0.724759	0.938023838	136.2765	-0.16276	0.174251	-0.93406	0.350272	0.999277
0.104735	0.501847039	20.56672	-0.02962	0.063693	-0.465	0.641928	0.999277
0.893051	0.979423868	8.66807	-0.18515	0.183868	-1.00699	0.313938	0.999277
0.574884	0.890535872	297.8374	-0.15399	0.149805	-1.02794	0.303977	0.999277
0.905622	0.982337683	149.561	-0.22044	0.179873	-1.22554	0.22037	0.999277
0.829849	0.963218067	286.4552	-0.18194	0.153058	-1.18869	0.234564	0.999277
0.014824	0.190902506	44.87726	0.03736	0.213159	0.175266	0.860871	0.999277
0.58354	0.892957253	192.4124	-0.15069	0.166104	-0.90723	0.364283	0.999277
0.293517	0.733452399	159.7824	-0.09958	0.180624	-0.55131	0.581418	0.999277
0.151025	0.585145149	550.5688	-0.34421	0.154724	-2.22468	0.026102	0.569881
0.26567	0.708960825	58.27213	-0.12487	0.209474	-0.59613	0.551089	0.999277
0.654605	0.919908379	285.1593	-0.1705	0.155336	-1.09764	0.272363	0.999277
0.363091	0.780897006	132.0082	-0.1193	0.179196	-0.66573	0.505585	0.999277
0.184464	0.631890551	96.65359	-0.08123	0.204833	-0.39658	0.691678	0.999277
0.183071	0.629886351	61.41187	-0.04054	0.210801	-0.19232	0.847491	0.999277
0.424628	0.813996405	224.8896	-0.12827	0.164111	-0.78158	0.434459	0.999277
0.390345	0.794805703	210.2981	-0.1275	0.157649	-0.80878	0.418643	0.999277
0.009881	0.152128157	773.2543	-0.01782	0.118887	-0.14986	0.880878	0.999277
0.299696	0.737986555	288.2107	-0.11907	0.14433	-0.82502	0.409363	0.999277
0.686394	0.931172733	1098.779	-0.15893	0.141501	-1.12315	0.261374	0.999277
0.676171	0.927679245	181.0335	-0.1584	0.175876	-0.90064	0.367782	0.999277
0.973037	0.995861805	201.9834	-0.20173	0.177717	-1.13512	0.256326	0.999277
0.04632	0.346670894	529.8072	-0.02512	0.121236	-0.20721	0.835842	0.999277
0.367427	0.783695365	68.73365	-0.09718	0.205047	-0.47392	0.635557	0.999277
0.324023	0.75364693	167.1348	-0.30811	0.187898	-1.63979	0.101048	0.899753
0.073479	0.431351972	11.72342	0.043194	0.188862	0.228705	0.819098	0.999277
0.105144	0.502848585	308.5329	-0.06222	0.158325	-0.39301	0.694311	0.999277
0.394176	0.796246138	414.1128	-0.12363	0.136338	-0.90678	0.364523	0.999277
0.146087	0.576711376	202.984	-0.04644	0.160828	-0.28876	0.772766	0.999277
0.25094	0.697568677	381.6454	-0.10355	0.141118	-0.73376	0.463098	0.999277
0.884794	0.977581014	164.6217	-0.22355	0.16943	-1.31944	0.187023	0.999277
0.636426	0.912524658	55.29896	-0.26744	0.210823	-1.26855	0.204603	0.999277
0.244258	0.692030666	34.92528	-0.13083	0.216533	-0.60419	0.545718	0.999277
0.014828	0.190902506	480.3474	-0.0138	0.15006	-0.09197	0.926722	0.999277
0.847868	0.968759212	191.8068	-0.1787	0.161873	-1.10394	0.26962	0.999277
0.108377	0.510417982	52.43901	-0.03347	0.211461	-0.15829	0.874227	0.999277
0.247519	0.695372431	49.50182	-0.36279	0.216687	-1.67427	0.094077	0.880483
0.058926	0.391852183	736.683	-0.02308	0.149653	-0.15422	0.877433	0.999277
0.689701	0.93158774	110.0048	-0.24304	0.190076	-1.27865	0.20102	0.999277
0.472797	0.841589306	291.4847	-0.15574	0.150412	-1.03541	0.300478	0.999277
0.155525	0.593972236	1814.995	-0.08723	0.099878	-0.87335	0.382473	0.999277
0.597198	0.897840318	231.0126	-0.14802	0.16922	-0.87474	0.381717	0.999277
0.452926	0.827495884	261.72	-0.13753	0.146236	-0.94048	0.346972	0.999277

0.81396	0.959368716	462.5739	-0.17935	0.155667	-1.15215	0.249257	0.999277
0.00015	0.010920738	86.30287	0.054263	0.196416	0.276266	0.782344	0.999277
0.201138	0.648578288	347.1561	-0.12467	0.150667	-0.82743	0.407992	0.999277
0.029118	0.273827696	19.56377	-0.00607	0.210703	-0.0288	0.977023	0.999277
0.016575	0.202349152	155.2645	-0.03562	0.182076	-0.19562	0.844911	0.999277
0.026261	0.258836053	257.0709	-0.0447	0.156459	-0.28569	0.775113	0.999277
0.20434	0.652498844	34.50089	-0.0758	0.216586	-0.34996	0.726369	0.999277
0.467208	0.838053675	175.3142	-0.15423	0.182284	-0.84608	0.39751	0.999277
0.716699	0.935880005	40.76747	-0.17496	0.216431	-0.80841	0.418857	0.999277
0.039467	0.322088764	639.8192	-0.04447	0.126815	-0.35068	0.725828	0.999277
0.430763	0.816274899	322.8084	-0.14932	0.149982	-0.99557	0.319459	0.999277
0.204385	0.652498844	233.2399	-0.06956	0.169858	-0.40952	0.682156	0.999277
0.711775	0.935646775	161.1974	-0.15633	0.16793	-0.93092	0.351895	0.999277
0.25462	0.700349317	116.419	-0.10998	0.193014	-0.56979	0.568818	0.999277
0.572892	0.889997702	688.9674	-0.24921	0.119296	-2.08905	0.036703	0.648426
0.043912	0.337833053	49.29555	-0.02544	0.210537	-0.12086	0.903805	0.999277
0.296615	0.735498118	447.377	-0.07043	0.137761	-0.51123	0.609192	0.999277
0.348203	0.770174118	254.5346	-0.15144	0.159745	-0.948	0.343128	0.999277
0.039469	0.322088764	640.2238	-0.04539	0.126794	-0.35801	0.720337	0.999277
0.409738	0.803007486	102.6644	-0.09872	0.191095	-0.51661	0.605432	0.999277
0.084181	0.457758486	134.3757	-0.04881	0.177014	-0.27573	0.782753	0.999277
0.992276	0.998538548	32.25284	-0.20881	0.216896	-0.96272	0.335688	0.999277
0.40177	0.799749836	428.1754	-0.13157	0.138459	-0.95022	0.342002	0.999277
0.261745	0.705400661	217.4631	-0.13282	0.173955	-0.7635	0.445162	0.999277
0.181831	0.628046581	15.18954	-0.01366	0.206099	-0.06627	0.947163	0.999277
0.404758	0.800908086	163.9291	-0.13125	0.168604	-0.77845	0.436301	0.999277
0.167042	0.606259599	26.43979	-0.06295	0.216057	-0.29135	0.770787	0.999277
0.457788	0.831646857	367.0274	-0.10448	0.171673	-0.6086	0.542789	0.999277
0.18333	0.63013277	12.34287	-0.03647	0.195601	-0.18643	0.852106	0.999277
0.757227	0.945084702	99.2148	-0.17568	0.200773	-0.87504	0.381554	0.999277
0.257636	0.70274686	169.763	-0.12588	0.178826	-0.70393	0.481474	0.999277
0.022705	0.240110536	218.6413	-0.06446	0.155757	-0.41386	0.678978	0.999277
0.499872	0.855024636	231.6667	-0.12134	0.15792	-0.76836	0.442275	0.999277
0.014259	0.186313553	87.06642	0.005505	0.19481	0.028256	0.977458	0.999277
0.220072	0.670855169	62.32603	-0.06917	0.20571	-0.33623	0.736695	0.999277
0.780751	0.951539521	579.562	-0.22907	0.129827	-1.76446	0.077655	0.819387
0.00681	0.124416605	578.5075	-0.0212	0.129963	-0.16309	0.870446	0.999277
0.28734	0.72790282	846.1762	-0.12852	0.134529	-0.9553	0.339425	0.999277
0.07879	0.445187123	354.8827	-0.06471	0.145467	-0.44483	0.65644	0.999277
0.807379	0.958353056	50.50943	-0.18965	0.212937	-0.89065	0.373116	0.999277
0.352848	0.773559122	206.5597	-0.14468	0.164165	-0.88132	0.378144	0.999277
0.070862	0.425044249	40.88885	-0.01515	0.215211	-0.07038	0.943888	0.999277
0.610149	0.904226992	276.1243	-0.15195	0.162443	-0.93543	0.349565	0.999277
0.44079	0.821346459	11.35022	-0.09757	0.19214	-0.50783	0.611575	0.999277
0.172368	0.614083841	33.10442	-0.02659	0.216892	-0.12262	0.90241	0.999277
0.938554	0.987800164	260.1962	-0.20091	0.165176	-1.21631	0.223868	0.999277
0.920992	0.985704596	26.96489	-0.22437	0.21682	-1.0348	0.300761	0.999277
0.819172	0.960094308	1279.974	-0.19688	0.110977	-1.77407	0.076051	0.816627
0.131218	0.552322856	595.7027	-0.11429	0.13796	-0.8284	0.407442	0.999277
0.900407	0.981243428	113.2366	-0.20366	0.184812	-1.10197	0.270474	0.999277
0.130103	0.550169486	10.88992	0.001556	0.193209	0.008055	0.993573	0.999277
0.344659	0.766383255	38.66207	-0.11194	0.21366	-0.52391	0.600341	0.999277

0.69744	0.93366087	272.9997	-0.1658	0.186067	-0.89105	0.3729	0.999277
0.045017	0.342308082	92.77092	-0.01414	0.198182	-0.07133	0.943137	0.999277
0.001211	0.041471575	50.63053	0.078139	0.213878	0.365341	0.714857	0.999277
0.906244	0.982337683	277.8273	-0.19744	0.15187	-1.30006	0.19358	0.999277
0.002201	0.060797164	496.9319	0.113859	0.123659	0.920756	0.357178	0.999277
0.024661	0.2503034	91.96601	-0.036	0.194467	-0.18513	0.853127	0.999277
0.332188	0.757999532	370.5375	-0.11739	0.153791	-0.76328	0.445295	0.999277
0.506192	0.858350969	16.52093	-0.13416	0.210027	-0.63876	0.52298	0.999277
0.368126	0.784139094	46.22079	-0.12659	0.214354	-0.59057	0.554808	0.999277
0.42077	0.811840083	276.6418	-0.14012	0.155114	-0.90335	0.366341	0.999277
0.307982	0.743099434	99.4065	-0.13636	0.189758	-0.7186	0.472389	0.999277
0.008601	0.14072861	20.41215	0.110404	0.211792	0.521286	0.602167	0.999277
0.625621	0.908394189	89.85591	-0.16021	0.19694	-0.81352	0.41592	0.999277
0.715288	0.935646775	363.8912	-0.17223	0.148937	-1.15638	0.247524	0.999277
0.75451	0.944073125	117.437	-0.19469	0.181769	-1.0711	0.284122	0.999277
0.427339	0.814589985	2524.894	-0.31164	0.136142	-2.28907	0.022075	0.531535
0.334845	0.759008088	610.061	-0.10529	0.135501	-0.77704	0.437133	0.999277
0.102221	0.498500247	59.82563	-0.02424	0.20643	-0.11743	0.906519	0.999277
0.754356	0.944073125	19.49093	-0.1778	0.208009	-0.85478	0.392674	0.999277
0.802306	0.95694037	327.0451	-0.23976	0.152173	-1.57556	0.115126	0.929931
0.347103	0.768692073	359.1528	-0.12079	0.134425	-0.89854	0.368898	0.999277
0.832722	0.963972824	14.74606	-0.182	0.205506	-0.88561	0.375829	0.999277
0.239754	0.688236474	14.28935	-0.07973	0.20424	-0.39037	0.696263	0.999277
0.074769	0.434159748	484.6826	-0.09831	0.16114	-0.61011	0.541789	0.999277
0.317927	0.7500298	78.78967	-0.11518	0.198379	-0.58062	0.561499	0.999277
0.050652	0.363626111	96.88291	-0.078	0.196283	-0.39737	0.691092	0.999277
0.208285	0.656637014	595.8493	-0.08158	0.13876	-0.58795	0.556567	0.999277
0.913123	0.983953937	279.3995	-0.19746	0.154769	-1.27584	0.202014	0.999277
0.694181	0.932499684	174.0062	-0.16759	0.16849	-0.99465	0.319909	0.999277
0.008598	0.14072861	100.9663	0.006586	0.191222	0.03444	0.972526	0.999277
0.928923	0.985704596	190.187	-0.20521	0.167532	-1.22492	0.220605	0.999277
0.358017	0.776142565	342.4501	-0.11589	0.148069	-0.7827	0.433804	0.999277
0.127449	0.546380698	389.48	-0.12888	0.134035	-0.96151	0.336294	0.999277
0.031346	0.283872237	96.83764	-0.05912	0.197999	-0.29861	0.76524	0.999277
0.746392	0.941321938	96.32201	-0.2435	0.195282	-1.24694	0.212421	0.999277
0.062071	0.401402071	33.91489	-0.02572	0.216882	-0.11859	0.905598	0.999277
0.027859	0.267330153	225.2033	-0.04793	0.154374	-0.31048	0.756199	0.999277
0.148212	0.580458144	166.398	-0.0889	0.195916	-0.45377	0.649992	0.999277
0.28232	0.723398357	16.50727	-0.08466	0.204892	-0.41319	0.679467	0.999277
0.380575	0.790279608	9.878715	-0.1171	0.185223	-0.6322	0.527255	0.999277
0.459205	0.832244861	500.7659	-0.11902	0.150614	-0.79025	0.429379	0.999277
0.007318	0.129904489	90.07457	0.014943	0.190731	0.078348	0.937552	0.999277
0.321156	0.751482438	175.2559	-0.33766	0.169046	-1.99747	0.045774	0.687973
0.095349	0.485498497	25.9119	-0.00257	0.216479	-0.01186	0.99054	0.999277
0.71844	0.935996695	335.626	-0.24218	0.159614	-1.51728	0.129197	0.952195
0.437443	0.819027755	76.24048	-0.14289	0.200534	-0.71254	0.476131	0.999277
0.699959	0.933914128	11.62821	-0.26982	0.187037	-1.44261	0.149129	0.981073
0.070915	0.425044249	1806.039	-0.01293	0.105705	-0.1223	0.902658	0.999277
0.883199	0.976958449	106.0931	-0.22606	0.187253	-1.20725	0.227337	0.999277
0.526788	0.868304398	154.3595	-0.26516	0.194419	-1.36388	0.172604	0.999277
0.01582	0.197493818	189.9347	-0.05444	0.182159	-0.29888	0.765032	0.999277
0.641619	0.914411444	129.2866	-0.26557	0.194218	-1.3674	0.171501	0.999277

0.145865	0.57603835	613.6209	-0.08594	0.135522	-0.63415	0.52598	0.999277
0.172109	0.613849437	265.0253	-0.10905	0.160371	-0.67998	0.496517	0.999277
0.381098	0.790279608	30.4058	-0.08769	0.217008	-0.40407	0.686162	0.999277
0.093241	0.478812137	68.15512	0.005208	0.202701	0.025692	0.979503	0.999277
0.067911	0.41871088	131.7403	-0.06112	0.181627	-0.33651	0.736487	0.999277
0.341226	0.763898009	274.7717	-0.10627	0.172143	-0.61734	0.537011	0.999277
0.000367	0.019390631	104.5273	0.025734	0.187871	0.136979	0.891047	0.999277
0.170339	0.611542694	400.8512	-0.10083	0.147919	-0.68168	0.495441	0.999277
0.00033	0.018173155	407.3052	0.053858	0.131754	0.408778	0.682703	0.999277
0.119896	0.531868596	32.28705	-0.1089	0.217	-0.50185	0.61577	0.999277
0.979356	0.996602004	22.51708	-0.2184	0.206066	-1.05987	0.289205	0.999277
0.942648	0.988829207	825.28	-0.21907	0.12885	-1.70016	0.0891	0.851686
0.993154	0.998538548	30.26479	-0.21577	0.21699	-0.99436	0.320048	0.999277
0.653609	0.919811662	45.41662	-0.17552	0.215479	-0.81458	0.415315	0.999277
0.047549	0.350961905	59.29729	0.005643	0.207873	0.027148	0.978342	0.999277
0.556518	0.882675674	107.7409	-0.16231	0.197103	-0.8235	0.410225	0.999277
0.363475	0.781092503	36.38957	-0.11882	0.216359	-0.54917	0.582892	0.999277
0.560203	0.88393878	504.3636	-0.16422	0.131545	-1.24842	0.211879	0.999277
0.061145	0.397916607	94.76099	-0.07735	0.19974	-0.38727	0.69856	0.999277
0.030438	0.279438008	43.5939	0.041113	0.214303	0.191843	0.847865	0.999277
0.149624	0.5829813	290.978	-0.09114	0.166447	-0.54753	0.584012	0.999277
0.522099	0.866620296	267.0483	-0.29223	0.14904	-1.96075	0.049909	0.70392
0.109826	0.513120947	123.1059	-0.07945	0.177478	-0.44766	0.654398	0.999277
0.673874	0.927574661	672.3916	-0.17917	0.123996	-1.44495	0.148471	0.980012
0.728212	0.938587002	46.31311	-0.18036	0.212782	-0.84761	0.396655	0.999277
0.052694	0.372482147	309.5035	-0.0775	0.17635	-0.43948	0.660316	0.999277
0.212834	0.662162147	65.4193	-0.10242	0.202948	-0.50468	0.613786	0.999277
0.440481	0.821185993	237.5618	-0.15691	0.173845	-0.90258	0.36675	0.999277
0.320403	0.750866885	1484.996	-0.11595	0.114061	-1.01654	0.309372	0.999277
0.175517	0.617729055	90.4205	-0.04395	0.191266	-0.2298	0.818247	0.999277
0.580891	0.892820666	1256.618	-0.16988	0.128733	-1.3196	0.186969	0.999277
0.382943	0.790738618	31.47199	-0.1562	0.213327	-0.73219	0.464052	0.999277
0.385302	0.792576238	107.2064	-0.15123	0.194808	-0.7763	0.437569	0.999277
0.063105	0.404949474	193.6334	-0.10579	0.15793	-0.66988	0.502937	0.999277
0.175517	0.617729055	90.00866	-0.04428	0.19143	-0.23133	0.817059	0.999277
0.152742	0.589042386	340.1167	-0.11868	0.156078	-0.7604	0.447018	0.999277
0.70612	0.93479128	71.72966	-0.18071	0.203119	-0.88965	0.373653	0.999277
0.590468	0.895584283	66.41615	-0.16546	0.211412	-0.78263	0.433847	0.999277
0.883159	0.976958449	105.6103	-0.19956	0.188217	-1.06025	0.289033	0.999277
0.457352	0.831418273	336.0038	-0.1646	0.150895	-1.09085	0.275339	0.999277
0.901046	0.981243428	16.54945	-0.23507	0.208266	-1.12871	0.259019	0.999277
0.6886	0.931407252	219.5843	-0.16557	0.156773	-1.05612	0.290916	0.999277
0.157836	0.596629211	721.1157	-0.08165	0.124708	-0.65476	0.512624	0.999277
0.025117	0.253002187	169.207	-0.01175	0.169339	-0.06939	0.944679	0.999277
0.006267	0.117987858	215.3415	-0.03189	0.153316	-0.20797	0.835252	0.999277
0.310766	0.744846743	371.8422	-0.1323	0.152514	-0.86744	0.385703	0.999277
0.015722	0.196779956	75.65191	-0.00491	0.199791	-0.02459	0.980384	0.999277
0.334527	0.759008088	98.45281	-0.3487	0.194377	-1.79394	0.072823	0.804529
0.135728	0.561647732	574.9446	-0.06765	0.126438	-0.53502	0.592633	0.999277
0.725626	0.938189752	196.4057	-0.24322	0.159548	-1.52441	0.127406	0.949266
0.325941	0.754353952	119.062	-0.10601	0.189269	-0.56009	0.575417	0.999277
0.075416	0.436401042	157.987	-0.05631	0.171093	-0.32912	0.742066	0.999277

0.149313	0.582539588	349.1594	-0.06593	0.162323	-0.40618	0.684612	0.999277
0.45575	0.829671446	340.0433	-0.17304	0.148421	-1.16585	0.243673	0.999277
0.294743	0.733827953	182.4496	-0.12139	0.167991	-0.7226	0.469928	0.999277
0.558166	0.882863308	71.9995	-0.17145	0.201614	-0.8504	0.395105	0.999277
0.446805	0.824037121	265.1289	-0.14816	0.149392	-0.99175	0.321319	0.999277
9.43E-07	0.000274084	511.1052	0.117853	0.124433	0.947123	0.343576	0.999277
0.004593	0.099022765	835.1391	-0.03866	0.118768	-0.32553	0.74478	0.999277
0.743194	0.940717284	348.3933	-0.25517	0.158352	-1.6114	0.107093	0.906031
0.251846	0.697958034	113.8909	-0.09052	0.181825	-0.49783	0.618603	0.999277
0.014809	0.190902506	3404.358	-0.45919	0.112981	-4.06431	4.82E-05	0.011711
0.004564	0.099003807	196.3498	0.117387	0.169239	0.693616	0.487923	0.999277
0.623251	0.907988155	733.8807	-0.27601	0.124724	-2.21295	0.026901	0.577941
0.255093	0.701320841	570.1352	-0.14468	0.132925	-1.08841	0.276414	0.999277
0.883944	0.977310336	78.8726	-0.20581	0.201364	-1.02207	0.306748	0.999277
0.921768	0.985704596	19.62882	-0.23157	0.209935	-1.10306	0.270002	0.999277
0.579401	0.892778779	70.40687	-0.29126	0.203733	-1.42959	0.152834	0.990194
0.103356	0.499892244	1404.312	-0.08986	0.11747	-0.76494	0.444309	0.999277
0.59107	0.895697175	148.1694	-0.15953	0.177661	-0.89793	0.369223	0.999277
0.619326	0.907334933	364.3053	-0.16827	0.147114	-1.1438	0.252705	0.999277
0.150378	0.583808726	111.3178	-0.10662	0.185128	-0.57595	0.56465	0.999277
0.723681	0.937851817	83.59705	-0.17536	0.205067	-0.85513	0.392481	0.999277
0.116503	0.525936613	355.6627	-0.07112	0.13943	-0.51008	0.609993	0.999277
0.056053	0.382861867	46.69048	-0.07203	0.211396	-0.34072	0.733311	0.999277
0.012702	0.175215294	235.2053	-0.00133	0.154666	-0.00861	0.993133	0.999277
0.84474	0.967713968	2665122	-0.19192	0.100765	-1.90461	0.056831	0.740613
0.403494	0.800156836	230.8809	-0.15692	0.18097	-0.86708	0.385898	0.999277
0.763142	0.946679481	149.6316	-0.19002	0.170195	-1.11646	0.264226	0.999277
0.513672	0.862378092	80.91266	-0.12548	0.206329	-0.60814	0.543094	0.999277
0.562221	0.885010828	62.63517	-0.29881	0.209764	-1.42451	0.154299	0.990194
0.585793	0.894073805	36.84155	-0.17315	0.216983	-0.79797	0.424886	0.999277
0.000201	0.012736172	366.5074	-0.04087	0.13914	-0.29375	0.768948	0.999277
0.833964	0.964463864	221.8916	-0.24	0.152859	-1.57008	0.116397	0.929931
0.107187	0.508071655	36.51879	-0.07529	0.215641	-0.34915	0.726978	0.999277
0.587086	0.894310786	40.39219	-0.14219	0.215636	-0.6594	0.509641	0.999277
0.21095	0.659903334	224.0605	-0.11341	0.157881	-0.71831	0.472563	0.999277
0.070981	0.425044249	102.0117	-0.08796	0.192791	-0.45626	0.648206	0.999277
0.096682	0.486524812	36.6748	-0.04896	0.215691	-0.227	0.820424	0.999277
0.400401	0.799749836	48.83756	-0.30049	0.210838	-1.42522	0.154094	0.990194
0.552739	0.880912848	163.8794	-0.16582	0.175486	-0.9449	0.344708	0.999277
0.652955	0.919811662	159.7143	-0.18061	0.173648	-1.04009	0.298297	0.999277
0.210947	0.659903334	219.4067	-0.09154	0.167909	-0.54516	0.585646	0.999277
0.814774	0.9594188	71.38043	-0.18881	0.20192	-0.93506	0.349755	0.999277
0.160326	0.599010814	388.1001	-0.08415	0.137329	-0.61273	0.540053	0.999277
6.19E-05	0.005663454	267.1023	0.106082	0.167891	0.631854	0.527483	0.999277
0.910685	0.983347023	541.1065	-0.20969	0.143246	-1.46383	0.14324	0.976872
0.717933	0.935996695	24.87786	-0.25804	0.216212	-1.19347	0.232685	0.999277
0.818371	0.959879229	89.27534	-0.25033	0.191607	-1.30649	0.191387	0.999277
0.00011	0.008677117	217.7005	0.024542	0.1651	0.148647	0.881832	0.999277
0.284357	0.725104907	165.5615	-0.13318	0.186053	-0.7158	0.474116	0.999277
0.043499	0.336877932	278.4976	-0.09967	0.167378	-0.59547	0.551532	0.999277
0.819976	0.960194571	508.137	-0.24889	0.142199	-1.75033	0.080061	0.82821
0.630641	0.911456731	26.61296	-0.15784	0.216769	-0.72815	0.466521	0.999277

0.132767	0.555287422	291.9721	-0.09284	0.155875	-0.59558	0.551457	0.999277
0.046817	0.348768315	538.1286	-0.00849	0.150253	-0.05652	0.954931	0.999277
0.558166	0.882863308	72.27744	-0.17495	0.201126	-0.86986	0.384375	0.999277
0.108349	0.510417982	556.4274	-0.09703	0.158667	-0.61151	0.540862	0.999277
0.377476	0.788723282	685.9206	-0.14	0.121179	-1.15532	0.247959	0.999277
0.073303	0.431176533	34.54794	-0.06077	0.216553	-0.28062	0.779	0.999277
0.311554	0.745302162	128.4887	-0.10659	0.188525	-0.56538	0.571815	0.999277
0.407696	0.802350555	400.9786	-0.1049	0.148737	-0.70525	0.480654	0.999277
0.599385	0.898925427	930.6402	-0.14999	0.110348	-1.35926	0.174065	0.999277
0.15773	0.596629211	11.78497	-0.05687	0.199656	-0.28485	0.775761	0.999277
0.924933	0.985704596	220.5978	-0.21314	0.159316	-1.33782	0.180954	0.999277
0.861344	0.97286097	36.19108	-0.1976	0.216362	-0.9133	0.361087	0.999277
0.109677	0.512855014	107.9617	-0.06117	0.187805	-0.32568	0.744664	0.999277
0.340291	0.763413261	34.23552	-0.13279	0.216984	-0.61196	0.540561	0.999277
0.851254	0.96960608	120.6183	-0.23858	0.196197	-1.21602	0.223978	0.999277
0.856864	0.971766934	18.17574	-0.19821	0.207988	-0.95299	0.340596	0.999277
0.375191	0.787458382	227.5832	-0.15411	0.165869	-0.92913	0.352823	0.999277
0.984307	0.997439038	137.8465	-0.2209	0.175057	-1.26187	0.206996	0.999277
0.600689	0.899179976	270.9409	-0.17544	0.158165	-1.10922	0.267333	0.999277
0.044858	0.342248033	68.24451	-0.03691	0.203463	-0.1814	0.856054	0.999277
0.702586	0.934077476	526.6903	-0.18243	0.136446	-1.33701	0.18122	0.999277
0.684556	0.931154484	136.897	-0.18534	0.197347	-0.93915	0.347655	0.999277
0.325225	0.754238284	122.0136	-0.16823	0.183002	-0.91927	0.357955	0.999277
0.156893	0.595452358	59.14365	-0.08113	0.207567	-0.39087	0.695893	0.999277
0.00914	0.145973163	316.3698	-0.02997	0.141691	-0.21155	0.832462	0.999277
0.188024	0.635584592	75.56582	-0.1085	0.201799	-0.53766	0.590809	0.999277
0.209244	0.65808293	102.8291	-0.09419	0.191318	-0.49233	0.622488	0.999277
0.737915	0.939957965	157.5174	-0.19586	0.173486	-1.12898	0.258906	0.999277
0.531165	0.870397022	300.2454	-0.18472	0.149625	-1.23453	0.217006	0.999277
0.188504	0.635815525	73.11739	-0.09706	0.207017	-0.46885	0.639173	0.999277
0.462859	0.83497984	227.596	-0.1183	0.179553	-0.65886	0.509983	0.999277
0.855974	0.971290598	310.7248	-0.24933	0.150223	-1.65975	0.096965	0.890143
0.546625	0.876523693	75.05611	-0.15836	0.203757	-0.77719	0.437049	0.999277
0.934596	0.986607773	83.38476	-0.23456	0.201414	-1.16454	0.244204	0.999277
0.463689	0.835431694	27.63853	-0.15784	0.217	-0.72739	0.466986	0.999277
0.122732	0.535747264	602.7842	-0.06706	0.13126	-0.5109	0.609421	0.999277
0.405736	0.80181535	118.1821	-0.14936	0.182665	-0.81764	0.413561	0.999277
0.597452	0.897840318	77.31185	-0.2919	0.197462	-1.47826	0.139338	0.965663
0.459278	0.832244861	172.3796	-0.14587	0.163733	-0.89091	0.372975	0.999277
0.941195	0.988214221	1425.483	-0.21837	0.121356	-1.79941	0.071953	0.804391
0.508943	0.859294734	62.31427	-0.31461	0.206424	-1.52408	0.127488	0.949266
0.001329	0.04353007	186.3117	0.003287	0.159169	0.020653	0.983522	0.999277
0.600999	0.899179976	136.6152	-0.17506	0.174065	-1.00574	0.314539	0.999277
0.290184	0.72980043	230.6102	-0.13333	0.15197	-0.87734	0.380301	0.999277
0.117797	0.527679759	140.7095	-0.07055	0.179602	-0.39282	0.694455	0.999277
0.631001	0.911456731	94.48897	-0.17588	0.194052	-0.90636	0.364747	0.999277
0.29455	0.733827953	644.2414	-0.16156	0.12756	-1.26652	0.205327	0.999277
0.26643	0.70955411	80.25495	-0.14922	0.198257	-0.75266	0.451656	0.999277
0.008256	0.138597841	340.3571	-0.09134	0.141984	-0.64334	0.520004	0.999277
0.349448	0.771314219	105.8658	-0.09803	0.183329	-0.53471	0.592851	0.999277
0.005177	0.106117678	219.6567	-0.00423	0.161113	-0.02624	0.979069	0.999277
0.235839	0.68457409	488.707	-0.16084	0.132175	-1.21685	0.223662	0.999277

0.076132	0.438116456	362.9631	-0.05638	0.132922	-0.42415	0.671455	0.999277
0.068771	0.421069867	211.6751	-0.08774	0.155502	-0.56422	0.572602	0.999277
0.653642	0.919811662	126.7024	-0.17447	0.18954	-0.92052	0.357303	0.999277
0.923964	0.985704596	252.0392	-0.23694	0.155889	-1.51995	0.128523	0.95177
0.365689	0.782606777	385.2372	-0.11494	0.142042	-0.80922	0.41839	0.999277
0.306671	0.743080656	55.34572	-0.13614	0.210613	-0.64641	0.518015	0.999277
0.362704	0.780559211	137.3272	-0.10824	0.179837	-0.60187	0.547263	0.999277
0.037919	0.316194038	64.75711	0.045596	0.21686	0.210254	0.833469	0.999277
0.794905	0.955450804	103.9313	-0.2011	0.19131	-1.0512	0.293169	0.999277
0.58722	0.894310786	8146.188	-0.28893	0.201426	-1.43443	0.15145	0.984817
0.031011	0.282519361	380.6815	-0.03943	0.139267	-0.28311	0.777093	0.999277
0.217658	0.6680438	21.7188	-0.07046	0.213073	-0.33067	0.740895	0.999277
0.834405	0.96458439	221.4272	-0.24577	0.153091	-1.60542	0.108402	0.909828
0.230836	0.680589817	364.9139	-0.14111	0.136474	-1.03399	0.301139	0.999277
0.02859	0.271033679	415.9369	-0.01586	0.135164	-0.11736	0.906575	0.999277
0.094451	0.483355951	287.8285	-0.04205	0.157941	-0.26625	0.790049	0.999277
0.703981	0.934655143	128.3847	-0.19317	0.180601	-1.06959	0.284805	0.999277
0.891321	0.979423868	108.116	-0.23567	0.191155	-1.23285	0.21763	0.999277
0.34552	0.766949307	15.55321	-0.10933	0.205791	-0.53129	0.595216	0.999277
0.000105	0.008408964	2244.198	0.007185	0.113268	0.063431	0.949424	0.999277
0.396165	0.797158594	32.88928	-0.12077	0.216238	-0.55851	0.576496	0.999277
0.865841	0.974298858	665.3422	-0.21123	0.149961	-1.40854	0.158971	0.999277
0.376219	0.78823097	217.6391	-0.31203	0.165964	-1.88012	0.060091	0.758835
0.085112	0.459859694	414.3993	-0.07281	0.137727	-0.52862	0.597071	0.999277
0.47642	0.84304528	774.112	-0.16618	0.125422	-1.32494	0.18519	0.999277
0.880511	0.97662978	364.42	-0.21085	0.15894	-1.32661	0.184639	0.999277
0.046953	0.349223915	386.9944	-0.01138	0.134785	-0.08441	0.932732	0.999277
0.441023	0.821346459	24.17726	-0.12505	0.213177	-0.5866	0.55747	0.999277
0.509828	0.859972228	222.2672	-0.1428	0.155355	-0.91921	0.357986	0.999277
0.074476	0.433401056	218.7555	-0.07048	0.165525	-0.42581	0.670248	0.999277
0.518975	0.864548073	97.65196	-0.26892	0.193488	-1.38987	0.164567	0.999277
0.455071	0.829557869	119.3495	-0.16829	0.181551	-0.92693	0.353963	0.999277
0.221267	0.67182881	28.20874	-0.11671	0.216348	-0.53947	0.589566	0.999277
0.322074	0.751983433	37.19719	-0.08493	0.215923	-0.39332	0.694084	0.999277
0.109644	0.512855014	27.21304	-0.04618	0.216131	-0.21367	0.830804	0.999277
0.59343	0.895908479	103.3859	-0.19643	0.190124	-1.03318	0.301518	0.999277
0.233032	0.682500733	71.05203	-0.40067	0.202726	-1.97642	0.048107	0.692543
0.012659	0.174812492	88.90302	-0.06812	0.193327	-0.35236	0.724568	0.999277
0.366562	0.783262699	318.6749	-0.14806	0.167537	-0.88374	0.376836	0.999277
0.000217	0.013396686	390.7079	0.125566	0.13612	0.922468	0.356284	0.999277
0.444122	0.823180508	48.73339	-0.30359	0.210899	-1.4395	0.15001	0.982122
0.024139	0.248526977	29.79569	-0.02768	0.216987	-0.12756	0.898497	0.999277
0.02216	0.236971664	319.3662	-0.05357	0.148825	-0.35994	0.718893	0.999277
0.194689	0.640277663	147.6515	-0.34305	0.171449	-2.00086	0.045407	0.686886
0.28395	0.725004462	13.51938	-0.07649	0.19614	-0.39	0.69654	0.999277
0.299965	0.738149848	340.329	-0.11196	0.150341	-0.74471	0.456448	0.999277
0.72664	0.938471504	448.6754	-0.1778	0.138429	-1.28445	0.198984	0.999277
0.87544	0.975929662	41.3346	-0.211	0.214981	-0.9815	0.326348	0.999277
0.276356	0.718088378	510.5011	-0.12417	0.141979	-0.87459	0.381796	0.999277
0.488017	0.850257924	17.84528	-0.17506	0.208667	-0.83896	0.401493	0.999277
0.005793	0.11400287	46.34765	0.090607	0.21243	0.426526	0.669725	0.999277
0.091249	0.474777897	179.8063	-0.08923	0.167642	-0.53225	0.594554	0.999277

0.455087	0.829557869	67.76818	-0.13619	0.20829	-0.65383	0.513224	0.999277
0.167432	0.607180741	406.415	-0.11289	0.132942	-0.84918	0.395782	0.999277
0.005379	0.109108113	62.78384	0.028947	0.203284	0.142399	0.886765	0.999277
0.322889	0.752410022	103.7612	-0.09869	0.187173	-0.52728	0.598	0.999277
0.688943	0.931451227	435.9043	-0.28533	0.152406	-1.8722	0.061179	0.763771
0.665194	0.925057641	725.6792	-0.18419	0.127572	-1.44383	0.148787	0.980191
0.240242	0.688236474	42.33584	-0.11646	0.213674	-0.54504	0.585725	0.999277
0.400766	0.799749836	111.082	-0.33243	0.193418	-1.7187	0.08567	0.84456
0.109126	0.512226844	9.014058	0.003965	0.18717	0.021184	0.983099	0.999277
0.086949	0.464218963	59.3202	-0.06325	0.207428	-0.30491	0.760435	0.999277
0.777636	0.950382298	103.5392	-0.19965	0.187784	-1.0632	0.287693	0.999277
0.820345	0.960399814	253.2422	-0.2419	0.163711	-1.47763	0.139508	0.966312
0.221173	0.67182881	257.8163	-0.12836	0.151076	-0.8496	0.395545	0.999277
0.882987	0.976958449	240.3716	-0.24649	0.159266	-1.54766	0.121704	0.931292
0.439582	0.820655814	89.95399	-0.17932	0.196979	-0.91033	0.362646	0.999277
0.001988	0.056770638	180.2904	-0.01232	0.162613	-0.07576	0.939609	0.999277
0.23098	0.680589817	210.6503	-0.11801	0.155786	-0.75752	0.448741	0.999277
0.335639	0.759008088	41.41907	-0.14959	0.215471	-0.69426	0.48752	0.999277
0.423383	0.813443725	594.6124	-0.14361	0.130332	-1.10186	0.270521	0.999277
0.015219	0.193452621	134.9396	-0.00763	0.175258	-0.04353	0.965279	0.999277
1.94E-05	0.002378418	350.5486	-0.03046	0.13832	-0.22021	0.825705	0.999277
0.262566	0.705744981	21.29627	-0.11078	0.20994	-0.52769	0.597717	0.999277
0.496577	0.853814273	46.2125	-0.13694	0.212308	-0.64501	0.518921	0.999277
0.697168	0.933417775	32.00498	-0.1854	0.215217	-0.86148	0.388976	0.999277
0.229008	0.679047565	202.3011	-0.12842	0.162105	-0.79219	0.428249	0.999277
0.002947	0.074316486	66.40705	-0.03323	0.204467	-0.16252	0.870895	0.999277
0.521826	0.866449059	737.9373	-0.17978	0.124102	-1.44866	0.147431	0.978824
0.143152	0.572261075	315.3751	-0.06971	0.140824	-0.495	0.620602	0.999277
0.05828	0.389711709	11.21185	-0.00661	0.196079	-0.03369	0.973126	0.999277
0.232092	0.681839397	594.3269	-0.10442	0.121401	-0.86009	0.389738	0.999277
0.984914	0.997439038	123.27	-0.23128	0.184245	-1.25529	0.209373	0.999277
0.210002	0.65909743	47.00876	-0.07802	0.214945	-0.363	0.716606	0.999277
0.388756	0.794086326	50.03163	-0.13645	0.212367	-0.64253	0.520528	0.999277
0.140488	0.570810638	11.14551	-0.0459	0.197125	-0.23285	0.815876	0.999277
0.524645	0.867773724	307.6336	-0.19211	0.142817	-1.34516	0.178574	0.999277
0.250528	0.697484296	352.839	-0.14755	0.157665	-0.93586	0.349348	0.999277
0.31495	0.747985414	55.64427	-0.135	0.208625	-0.64711	0.517558	0.999277
0.164108	0.603036338	81.20999	-0.05434	0.196538	-0.27651	0.782157	0.999277
0.801085	0.956594149	99.98879	-0.25035	0.19454	-1.2869	0.198128	0.999277
0.934582	0.986607773	33.15287	-0.2208	0.216524	-1.01974	0.307851	0.999277
0.268656	0.711911233	81.01681	-0.11857	0.204415	-0.58005	0.561883	0.999277
0.216083	0.667087859	1040.04	-0.12161	0.111797	-1.08773	0.276713	0.999277
0.256342	0.702061462	168.7574	-0.10476	0.172048	-0.60892	0.542575	0.999277
0.704836	0.934710222	95.73866	-0.1942	0.192461	-1.00902	0.312965	0.999277
0.281978	0.723039346	96.9262	-0.11333	0.193989	-0.58422	0.559073	0.999277
0.081315	0.450984629	40.19512	-0.08632	0.215196	-0.40112	0.688333	0.999277
0.521865	0.866449059	288.7187	-0.1587	0.150337	-1.05563	0.291137	0.999277
0.27354	0.71652177	204.7463	-0.15133	0.172697	-0.87626	0.380891	0.999277
0.028585	0.271033679	21.43423	-0.0843	0.213874	-0.39416	0.693461	0.999277
0.183985	0.631890551	1373.693	-0.10929	0.100886	-1.08333	0.278662	0.999277
0.39434	0.796246138	25.33308	-0.13718	0.215575	-0.63632	0.524566	0.999277
0.70082	0.934077476	106.2353	-0.20603	0.199979	-1.03025	0.302892	0.999277

0.033603	0.294727705	44.11609	-0.00354	0.215666	-0.01643	0.986895	0.999277
0.447069	0.824037121	519.7346	-0.1629	0.127943	-1.27319	0.202949	0.999277
0.239102	0.68795759	154.9336	-0.13802	0.168907	-0.81712	0.41386	0.999277
0.343239	0.765527629	118.5813	-0.12444	0.180718	-0.68859	0.49108	0.999277
0.34367	0.765894286	145.9465	-0.14816	0.178724	-0.82901	0.407098	0.999277
0.133878	0.557493342	53.44715	-0.01851	0.207982	-0.089	0.929079	0.999277
0.052252	0.370335186	718.2029	-0.12891	0.138739	-0.92919	0.352792	0.999277
0.826114	0.962521459	817.9684	-0.20392	0.15481	-1.31725	0.187754	0.999277
0.231768	0.681647826	26.16765	-0.13696	0.216754	-0.63186	0.52748	0.999277
0.479381	0.845256401	104.8534	-0.30573	0.197522	-1.54784	0.12166	0.931292
0.94026	0.98808595	775.1067	-0.22589	0.159441	-1.41678	0.156549	0.996626
0.276974	0.719029782	53.97448	-0.13001	0.209631	-0.6202	0.535124	0.999277
0.310291	0.744596715	102.8094	-0.15443	0.191656	-0.80575	0.420385	0.999277
0.053878	0.375679925	73.71095	-0.0946	0.202738	-0.46662	0.640771	0.999277
0.147406	0.578669842	94.66563	-0.13888	0.189786	-0.73175	0.464319	0.999277
0.197511	0.644561396	294.0864	-0.13472	0.171627	-0.78495	0.432482	0.999277
0.771831	0.949393843	77.19485	-0.25329	0.206989	-1.22367	0.221075	0.999277
0.190916	0.63818851	53.29461	-0.13027	0.209525	-0.62175	0.534107	0.999277
2.35E-06	0.000547943	34.45892	0.249175	0.21698	1.148375	0.250814	0.999277
0.199413	0.646665563	195.871	-0.13917	0.181206	-0.76801	0.442478	0.999277
0.636334	0.912524658	29.75469	-0.29054	0.132502	-2.19271	0.028328	0.59092
0.979393	0.996602004	157.384	-0.23072	0.177358	-1.30085	0.193309	0.999277
0.094639	0.48394528	398.5773	-0.12539	0.145096	-0.86419	0.387482	0.999277
0.418541	0.810634665	43.98489	-0.17329	0.21523	-0.80513	0.420747	0.999277
0.037107	0.312442923	132.164	0.042889	0.190547	0.225083	0.821914	0.999277
0.431902	0.816304844	148.8118	-0.11917	0.178484	-0.66771	0.504321	0.999277
0.625832	0.908601033	222.4605	-0.17702	0.169024	-1.04732	0.29495	0.999277
0.503615	0.856313573	185.5655	-0.15209	0.165871	-0.91692	0.359184	0.999277
0.088676	0.469317496	16.8168	-0.07484	0.209009	-0.35807	0.72029	0.999277
0.504737	0.857065235	268.267	-0.15555	0.174846	-0.88962	0.373669	0.999277
0.085417	0.460946112	53.55848	-0.09482	0.208884	-0.45392	0.649884	0.999277
0.437394	0.819027755	178.4715	-0.31976	0.187813	-1.70255	0.088652	0.851686
0.685731	0.931172733	624.3138	-0.26972	0.131264	-2.0548	0.039899	0.666004
0.835849	0.965088948	34.28161	-0.2542	0.216613	-1.17354	0.240581	0.999277
0.256872	0.70233271	10.88165	-0.06828	0.193784	-0.35234	0.724582	0.999277
0.234702	0.683219522	117.8772	-0.13067	0.183044	-0.71388	0.475299	0.999277
0.06626	0.413684134	606.2991	-0.06752	0.123798	-0.54539	0.585487	0.999277
0.935953	0.986885744	593.7987	-0.22336	0.140905	-1.58515	0.112933	0.925201
0.020933	0.229471922	130.1059	0.009743	0.180212	0.054065	0.956883	0.999277
0.003811	0.088966092	143.7899	-0.01428	0.173801	-0.08216	0.934523	0.999277
0.175172	0.617729055	71.03198	-0.03697	0.199111	-0.1857	0.852683	0.999277
0.301577	0.739664915	89.45781	-0.10201	0.20506	-0.49746	0.618867	0.999277
0.701273	0.934077476	71.93087	-0.18751	0.201188	-0.93201	0.351331	0.999277
0.122545	0.535500153	194.8153	-0.04903	0.170862	-0.28694	0.77416	0.999277
0.699726	0.933914128	64.50854	-0.19788	0.203076	-0.97442	0.329847	0.999277
0.087791	0.466922844	1348.027	-0.11556	0.106367	-1.08647	0.277271	0.999277
0.084777	0.459517368	257.6688	-0.09272	0.155013	-0.59812	0.549757	0.999277
0.090118	0.472773953	73.50706	-0.09187	0.203475	-0.45152	0.651612	0.999277
0.759406	0.945577828	641.5644	-0.20344	0.208873	-0.97399	0.330061	0.999277
0.026263	0.258836053	41.79333	-0.0227	0.214962	-0.1056	0.915899	0.999277
0.422861	0.812942386	135.1308	-0.17196	0.190684	-0.9018	0.367164	0.999277
0.96841	0.995518796	29.5897	-0.24082	0.216622	-1.11171	0.266263	0.999277

0.270867	0.713936492	17.22676	-0.11469	0.208419	-0.55026	0.582138	0.999277
0.032759	0.29018367	218.8012	-0.07356	0.161782	-0.4547	0.649326	0.999277
0.663118	0.924637662	21.31035	-0.17666	0.214205	-0.82473	0.409524	0.999277
0.246213	0.693890473	312.0188	-0.11964	0.14505	-0.82485	0.409458	0.999277
0.312768	0.746673364	178.452	-0.18234	0.168242	-1.08381	0.278449	0.999277
0.852361	0.969800108	175.4012	-0.20863	0.19662	-1.06109	0.288649	0.999277
0.216301	0.66711094	221.3771	-0.1078	0.162376	-0.66392	0.506741	0.999277
0.156045	0.594431379	441.009	-0.14722	0.167493	-0.87899	0.379409	0.999277
0.744215	0.940717284	35.18977	-0.20539	0.216427	-0.94899	0.342623	0.999277
0.034946	0.302936396	223.3495	-0.03573	0.163671	-0.21828	0.827214	0.999277
0.680684	0.929103004	18.36871	-0.29396	0.212342	-1.38439	0.166238	0.999277
0.00989	0.152128157	21.57767	0.050681	0.21514	0.235573	0.813764	0.999277
0.722098	0.937570682	446.3611	-0.18878	0.132563	-1.42407	0.154428	0.990194
0.414848	0.807960817	108.578	-0.1566	0.182658	-0.85732	0.391267	0.999277
0.123406	0.536619137	433.0417	-0.12948	0.147092	-0.88027	0.378714	0.999277
0.16623	0.605328888	18.78006	-0.09807	0.212368	-0.46181	0.644217	0.999277
0.000957	0.035993171	79.55455	-0.01659	0.195878	-0.08468	0.932515	0.999277
0.812621	0.958720759	52.08345	-0.20628	0.20915	-0.98629	0.323991	0.999277
0.51851	0.864226816	241.9443	-0.19336	0.166794	-1.15926	0.246351	0.999277
0.953327	0.992357094	108.248	-0.2323	0.189415	-1.22641	0.220045	0.999277
0.350396	0.772003697	570.0711	-0.15846	0.13366	-1.18552	0.235812	0.999277
0.245435	0.693665521	76.78369	-0.16186	0.201516	-0.80322	0.421848	0.999277
0.019821	0.222458274	41.66831	0.018808	0.216318	0.086946	0.930715	0.999277
0.221194	0.67182881	60.17971	-0.11681	0.207374	-0.5633	0.573232	0.999277
0.717831	0.935996695	168.6522	-0.26988	0.189588	-1.42349	0.154593	0.990194
0.172434	0.614115622	427.2088	-0.11605	0.13994	-0.82931	0.406929	0.999277
0.67761	0.928224584	105.1328	-0.1769	0.187756	-0.94216	0.346112	0.999277
0.696714	0.933417775	69.1633	-0.29075	0.201691	-1.44157	0.149424	0.981396
0.339176	0.762233615	39.03924	-0.10207	0.216537	-0.47136	0.637387	0.999277
0.784531	0.95302139	124.7015	-0.27643	0.182457	-1.51504	0.129762	0.953123
0.544916	0.875466782	125.3115	-0.18925	0.200995	-0.94155	0.346422	0.999277
0.096266	0.486496975	89.23124	-0.06322	0.192234	-0.32889	0.742242	0.999277
0.273303	0.716180724	73.84848	-0.16676	0.207936	-0.80196	0.422576	0.999277
0.131232	0.552322856	60.57146	-0.05433	0.2076	-0.2617	0.793556	0.999277
0.537404	0.873259923	792.0674	-0.28471	0.163305	-1.74343	0.081259	0.83161
0.125246	0.541099166	192.5536	-0.07558	0.161067	-0.46924	0.638895	0.999277
0.105004	0.502356921	337.6192	-0.122	0.147085	-0.82943	0.406861	0.999277
0.847134	0.968350774	77.86484	-0.21833	0.205818	-1.06078	0.288792	0.999277
0.009719	0.15084277	65.47804	0.01979	0.202057	0.097941	0.921979	0.999277
0.966359	0.994967341	1173.294	-0.2433	0.12678	-1.91911	0.05497	0.729914
0.582949	0.892926328	304.8736	-0.28747	0.163088	-1.76269	0.077952	0.819387
0.060539	0.396827752	896.6003	-0.07488	0.135665	-0.55191	0.581008	0.999277
0.684943	0.931172733	646.0823	-0.2038	0.149473	-1.36345	0.17274	0.999277
0.542719	0.875213603	190.8826	-0.3169	0.177903	-1.7813	0.074863	0.810687
0.000571	0.026033699	59.34399	0.108057	0.209226	0.516458	0.605535	0.999277
0.50345	0.856224864	17.05565	-0.15097	0.210675	-0.71662	0.473609	0.999277
0.04624	0.346275218	266.8482	-0.10069	0.162425	-0.6199	0.535325	0.999277
0.11717	0.526813514	307.7333	-0.09284	0.163484	-0.56791	0.570099	0.999277
0.241735	0.689435681	65.98684	-0.14788	0.207509	-0.71267	0.476052	0.999277
0.995757	0.998654685	300.5801	-0.2397	0.153941	-1.55712	0.119443	0.929931
0.014966	0.191435598	58.14019	-0.03175	0.211937	-0.14983	0.8809	0.999277
0.049783	0.360483634	79.91349	-0.05467	0.203238	-0.26897	0.787952	0.999277

0.557933	0.882863308	689.5188	-0.17026	0.123902	-1.37417	0.16939	0.999277
0.124882	0.540049533	157.0593	-0.10882	0.187354	-0.5808	0.561376	0.999277
0.01256	0.173802362	591.8825	-0.10163	0.14171	-0.71714	0.47329	0.999277
0.196871	0.64352339	376.263	-0.10154	0.143139	-0.70937	0.478095	0.999277
0.074303	0.433147744	207.2129	-0.06499	0.159683	-0.40697	0.684031	0.999277
0.119468	0.531069118	532.022	-0.14137	0.12697	-1.11343	0.265526	0.999277
0.206277	0.65381832	96.02609	-0.09227	0.196694	-0.46912	0.638983	0.999277
0.421473	0.812024774	465.9057	-0.14778	0.142284	-1.03864	0.298974	0.999277
0.137911	0.565476074	269.3179	-0.08517	0.162862	-0.52296	0.601004	0.999277
0.076723	0.439587194	325.2859	-0.08194	0.142052	-0.57686	0.564032	0.999277
0.154718	0.591966435	70.41372	-0.06738	0.205422	-0.32803	0.742889	0.999277
0.300924	0.739126568	591.8662	-0.09408	0.146603	-0.64173	0.521049	0.999277
0.029237	0.274254838	124.6054	-0.06004	0.191342	-0.31378	0.753687	0.999277
0.728343	0.938587002	72.0405	-0.20721	0.211968	-0.97755	0.328296	0.999277
0.940888	0.988134075	655.1476	-0.2482	0.150769	-1.6462	0.099723	0.899753
0.309725	0.743963115	192.9899	-0.11731	0.188898	-0.62101	0.534591	0.999277
0.242546	0.689768035	11.23543	-0.10787	0.19731	-0.54671	0.584578	0.999277
0.965715	0.994841882	121.9879	-0.23552	0.196591	-1.198	0.230918	0.999277
0.289444	0.728999304	337.9999	-0.16692	0.151422	-1.10238	0.270298	0.999277
0.253157	0.699017563	439.5909	-0.10132	0.131589	-0.76996	0.441323	0.999277
0.141335	0.571236062	199.0247	-0.15713	0.165234	-0.95096	0.341623	0.999277
0.334368	0.759008088	136.6617	-0.1532	0.188289	-0.81364	0.415852	0.999277
0.50345	0.856224864	16.60522	-0.15252	0.209916	-0.72656	0.467496	0.999277
0.83485	0.964681778	1038.303	-0.26233	0.123581	-2.12275	0.033775	0.637349
0.880531	0.97662978	42.99222	-0.25047	0.21581	-1.16062	0.245797	0.999277
0.205104	0.653022736	58.64713	-0.0794	0.206989	-0.3836	0.701275	0.999277
0.272578	0.715514773	68.09842	-0.08526	0.200882	-0.42443	0.671253	0.999277
0.367216	0.783695365	121.562	-0.18327	0.180493	-1.01537	0.309928	0.999277
0.576155	0.890535872	80.30361	-0.19338	0.20268	-0.95409	0.340037	0.999277
0.317682	0.750019078	460.299	-0.14533	0.140115	-1.03724	0.299624	0.999277
0.241615	0.689435681	58.57925	-0.10442	0.209843	-0.4976	0.618764	0.999277
0.296077	0.735488341	91.96309	-0.15666	0.198919	-0.78755	0.430961	0.999277
0.21994	0.670759052	27.79217	-0.12092	0.216072	-0.55964	0.575723	0.999277
0.002023	0.057306229	234.3906	-0.06164	0.152286	-0.40479	0.685631	0.999277
0.357824	0.776142565	1125.636	-0.13037	0.117739	-1.10729	0.268167	0.999277
0.719033	0.93623476	108.6987	-0.20252	0.184714	-1.09641	0.272899	0.999277
0.724139	0.937851817	283.551	-0.20682	0.148022	-1.39721	0.162349	0.999277
0.317669	0.750019078	76.61852	-0.1411	0.196323	-0.71872	0.472316	0.999277
0.458783	0.832244861	22.72532	-0.16795	0.213612	-0.78624	0.431726	0.999277
0.38406	0.79102172	79.57369	-0.11559	0.197013	-0.58669	0.55741	0.999277
0.84541	0.968013703	59.78181	-0.25708	0.206407	-1.24549	0.212953	0.999277
0.326931	0.754362047	48.57646	-0.14762	0.214623	-0.68781	0.491571	0.999277
0.621129	0.907988155	43.8597	-0.20463	0.215288	-0.95049	0.341862	0.999277
0.357062	0.775442987	169.3713	-0.14724	0.178983	-0.82263	0.41072	0.999277
0.137205	0.564225137	439.2903	-0.10179	0.138048	-0.73733	0.460925	0.999277
0.251791	0.697958034	132.4659	-0.11315	0.182087	-0.6214	0.534336	0.999277
0.634874	0.91246753	160.6223	-0.20274	0.168629	-1.20232	0.229241	0.999277
0.375683	0.787930192	44.57733	-0.12174	0.213816	-0.56937	0.569108	0.999277
0.371601	0.785869821	289.8963	-0.1531	0.18925	-0.80898	0.418528	0.999277
0.372752	0.786649491	357.8967	-0.35653	0.142836	-2.49608	0.012558	0.42787
0.041124	0.329755944	79.82062	-0.12579	0.199669	-0.63	0.528698	0.999277
0.068725	0.421069867	8.752714	0.021677	0.184228	0.117662	0.906336	0.999277

0.874649	0.975929662	848.2632	-0.22491	0.111562	-2.01602	0.043798	0.679331
0.256163	0.702061462	26.17812	-0.10676	0.212868	-0.50153	0.615996	0.999277
0.324595	0.754060554	44.37667	-0.37576	0.216045	-1.73926	0.081989	0.833811
0.319285	0.75036818	164.8754	-0.16777	0.176205	-0.95212	0.341036	0.999277
0.025234	0.253799115	93.93743	-0.03159	0.191709	-0.16477	0.869124	0.999277
0.070772	0.425044249	326.2854	-0.08616	0.14556	-0.59191	0.553913	0.999277
0.629485	0.910993455	276.251	-0.27273	0.15864	-1.71918	0.085582	0.84456
0.921781	0.985704596	758.693	-0.23296	0.132773	-1.75457	0.079332	0.825865
0.014244	0.186305786	29.36324	0.060833	0.216525	0.280951	0.778748	0.999277
0.383124	0.790738618	302.1516	-0.1877	0.165569	-1.13365	0.256941	0.999277
0.002972	0.074806241	704.3019	-0.04659	0.128431	-0.36272	0.716811	0.999277
0.835883	0.965088948	1055.56	-0.22568	0.133829	-1.68636	0.091727	0.865312
0.127135	0.545558155	569.1687	-0.14073	0.131588	-1.06948	0.284853	0.999277
0.584277	0.893086908	110.9072	-0.17051	0.190196	-0.89651	0.369979	0.999277
0.862683	0.9732029	162.2004	-0.26141	0.16848	-1.55159	0.120761	0.929931
0.132464	0.555040519	12.56228	-0.0248	0.19121	-0.12972	0.896792	0.999277
0.741238	0.94054009	374.1198	-0.21009	0.159336	-1.31851	0.187332	0.999277
0.24965	0.696307261	18783.68	-0.1288	0.096802	-1.33051	0.183351	0.999277
0.048641	0.355952482	30.15171	-0.03531	0.214814	-0.16437	0.869438	0.999277
0.677354	0.927968385	107.8362	-0.28598	0.184296	-1.55176	0.120719	0.929931
0.62323	0.907988155	361.1035	-0.19766	0.135815	-1.45539	0.145561	0.977082
0.026472	0.259611524	134.719	-0.10638	0.175408	-0.60646	0.544212	0.999277
0.365341	0.782140075	482.1119	-0.17249	0.137732	-1.25238	0.21043	0.999277
0.272934	0.715639956	476.4729	-0.3601	0.156339	-2.30336	0.021259	0.520955
0.133179	0.555792434	116.3207	-0.10146	0.182145	-0.55705	0.577495	0.999277
0.034067	0.298022721	172.1727	-0.07578	0.164556	-0.46054	0.645131	0.999277
0.000985	0.036348823	143.6648	0.021731	0.194859	0.111523	0.911202	0.999277
0.892532	0.979423868	365.7445	-0.26465	0.161379	-1.6399	0.101026	0.899753
0.140907	0.57118319	340.0692	-0.10751	0.145909	-0.7368	0.461245	0.999277
0.22682	0.676310133	57.56748	-0.11504	0.211207	-0.54469	0.585969	0.999277
0.195812	0.641995993	663.3406	-0.12368	0.136646	-0.9051	0.365414	0.999277
0.010046	0.153466886	201.2638	-0.0138	0.163551	-0.08439	0.932746	0.999277
0.944325	0.989402097	120.706	-0.25096	0.196708	-1.27581	0.202023	0.999277
0.005274	0.107148061	23.48481	0.030246	0.21526	0.140509	0.888257	0.999277
0.210749	0.659747629	75.85227	-0.14471	0.206364	-0.70124	0.483156	0.999277
0.243201	0.690353008	51.35401	-0.1058	0.209479	-0.50507	0.613509	0.999277
0.716736	0.935880005	281.4111	-0.21831	0.155056	-1.40797	0.159139	0.999277
0.099625	0.492125	43.00014	-0.07707	0.216335	-0.35627	0.721638	0.999277
0.084627	0.459278817	137.7686	-0.11836	0.188568	-0.6277	0.530199	0.999277
0.500321	0.855216018	144.086	-0.19541	0.173744	-1.12468	0.260726	0.999277
0.806384	0.958353056	53.18648	-0.26734	0.208666	-1.2812	0.200123	0.999277
0.807027	0.958353056	57.18976	-0.21999	0.210861	-1.04328	0.296821	0.999277
0.504401	0.856930036	117.4804	-0.17029	0.183015	-0.93048	0.352124	0.999277
0.505893	0.858216944	37.21182	-0.16501	0.215943	-0.76412	0.444793	0.999277
0.015892	0.197602838	90.45094	-0.05884	0.196665	-0.29919	0.764793	0.999277
0.776733	0.950382298	94.12092	-0.21599	0.19865	-1.08728	0.276913	0.999277
0.105705	0.504407272	112.2566	-0.12649	0.187475	-0.67469	0.499876	0.999277
0.395927	0.797139123	244.9463	-0.13939	0.185791	-0.75023	0.453114	0.999277
0.07213	0.429041516	115.8874	-0.08165	0.19478	-0.41918	0.675088	0.999277
0.515284	0.862902266	27.26254	-0.17365	0.216593	-0.80174	0.422703	0.999277
0.573105	0.890053257	599.1574	-0.29741	0.145587	-2.04281	0.041072	0.672512
0.367106	0.783631332	57.49961	-0.12796	0.211448	-0.60516	0.545071	0.999277

0.116269	0.525543383	186.4246	-0.12041	0.167479	-0.71898	0.472152	0.999277
0.026145	0.258488419	288.0932	-0.05516	0.170262	-0.32398	0.745957	0.999277
0.134595	0.559430766	49.83805	-0.07869	0.214809	-0.36633	0.714119	0.999277
0.810134	0.958353056	156.3417	-0.281	0.172839	-1.6258	0.103993	0.900395
0.000377	0.019754087	449.2741	0.053705	0.136583	0.393205	0.694168	0.999277
0.077318	0.440730991	173.3742	-0.13263	0.175564	-0.75545	0.449977	0.999277
0.774273	0.949821182	161.6344	-0.26505	0.185908	-1.4257	0.153955	0.990194
0.77431	0.949821182	161.6344	-0.26505	0.185908	-1.4257	0.153955	0.990194
0.304367	0.739861013	177.3404	-0.14103	0.188076	-0.74984	0.453349	0.999277
0.095663	0.485938912	13.07279	-0.04675	0.200945	-0.23267	0.816021	0.999277
0.034028	0.297876172	1281.538	0.036477	0.135211	0.26978	0.78733	0.999277
0.002902	0.073722181	3254.018	-0.01142	0.103925	-0.10989	0.9125	0.999277
0.452895	0.827495884	72.73905	-0.16839	0.20091	-0.83814	0.401949	0.999277
0.812609	0.958720759	829.0768	-0.27303	0.148379	-1.84012	0.065751	0.78262
0.274122	0.716676312	271.2929	-0.15939	0.160041	-0.99595	0.319277	0.999277
0.339702	0.763006647	3234.481	-0.19708	0.124447	-1.58363	0.113278	0.925888
0.345801	0.767317044	196.428	-0.18784	0.172144	-1.0912	0.275183	0.999277
0.143306	0.572261075	41.96117	-0.14892	0.213752	-0.69671	0.485984	0.999277
0.420082	0.811450072	196.6433	-0.1408	0.190793	-0.73797	0.460533	0.999277
0.272578	0.715514773	67.69679	-0.09304	0.201041	-0.46278	0.643521	0.999277
0.908244	0.982479562	664.2676	-0.23549	0.137403	-1.71388	0.086551	0.847035
0.371019	0.785664652	492.5272	-0.16846	0.130593	-1.28994	0.197073	0.999277
0.262195	0.705689215	429.3337	-0.14441	0.14896	-0.96943	0.332329	0.999277
0.004229	0.094681514	522.8086	-0.02442	0.137051	-0.1782	0.858563	0.999277
0.558894	0.883378345	428.5104	-0.19375	0.14307	-1.35426	0.175653	0.999277
0.319075	0.750365744	38.15449	-0.14619	0.21582	-0.67736	0.498178	0.999277
0.730115	0.938791295	228.9474	-0.2018	0.157082	-1.28466	0.198909	0.999277
0.763304	0.946679481	60.05612	-0.27783	0.210988	-1.31681	0.187903	0.999277
0.27482	0.716893573	178.3656	-0.16925	0.168417	-1.00493	0.314929	0.999277
0.800573	0.956587619	72.0336	-0.27951	0.206426	-1.35404	0.175724	0.999277
0.056764	0.384967357	94.28566	-0.09969	0.196447	-0.50749	0.611814	0.999277
0.063378	0.405203331	100.1804	-0.02628	0.188964	-0.13906	0.889406	0.999277
0.451464	0.827013378	385.6057	-0.19805	0.137573	-1.43962	0.149974	0.982122
0.897108	0.980340433	88.44053	-0.26166	0.196117	-1.33423	0.182129	0.999277
0.452725	0.827495884	42.3111	-0.18272	0.214594	-0.85147	0.394507	0.999277
0.586272	0.894127733	124.5899	-0.18346	0.179247	-1.02352	0.30606	0.999277
0.016364	0.201416813	90.21877	-0.10471	0.192957	-0.54264	0.587381	0.999277
0.227713	0.67701004	318.5327	-0.15594	0.147096	-1.06011	0.289093	0.999277
0.136902	0.563587034	27.08038	-0.03293	0.213808	-0.154	0.877613	0.999277
0.13326	0.555892843	72.82685	-0.15277	0.2046	-0.74667	0.455265	0.999277
0.216428	0.66711094	165.5327	-0.11009	0.186164	-0.59136	0.554281	0.999277
0.096669	0.486524812	256.5002	-0.11787	0.151174	-0.7797	0.43557	0.999277
0.893747	0.979634139	138.8966	-0.23348	0.198767	-1.17465	0.240135	0.999277
0.41708	0.808923914	68.39696	-0.15431	0.206693	-0.74658	0.455315	0.999277
0.038298	0.31778113	12.57475	-0.0635	0.201287	-0.31547	0.752405	0.999277
0.166103	0.605328888	317.9297	-0.07793	0.143361	-0.54359	0.586726	0.999277
0.339001	0.761968178	552.5808	-0.13159	0.129922	-1.0128	0.311153	0.999277
0.077657	0.44194832	47.75219	-0.09482	0.21244	-0.44636	0.655338	0.999277
0.668958	0.925067398	744.9475	-0.29625	0.167121	-1.77264	0.076288	0.817632
0.469816	0.839788099	705.2023	-0.16293	0.132508	-1.22957	0.218859	0.999277
0.079653	0.446600114	28.01647	-0.06862	0.215641	-0.3182	0.750333	0.999277
0.095688	0.485938912	141.5764	-0.07228	0.176512	-0.40947	0.682195	0.999277

0.825831	0.962521459	39.95461	-0.27491	0.21456	-1.28125	0.200104	0.999277
0.303648	0.739758551	171.318	-0.14384	0.172552	-0.83359	0.404514	0.999277
0.451033	0.826678185	128.0012	-0.17589	0.189382	-0.92877	0.35301	0.999277
0.817009	0.959821979	441.8328	-0.23276	0.163485	-1.42377	0.154514	0.990194
0.566077	0.887283617	471.563	-0.29431	0.167985	-1.75198	0.079778	0.826776
0.310222	0.744596715	122.3979	-0.13965	0.185578	-0.7525	0.451751	0.999277
0.652201	0.919811662	132.2442	-0.28571	0.184029	-1.55252	0.120537	0.929931
0.954604	0.992605014	280.0272	-0.25649	0.152564	-1.68118	0.092727	0.872797
0.113653	0.519739296	260.4977	-0.02443	0.149596	-0.16328	0.870297	0.999277
0.582228	0.892926328	186.3514	-0.18451	0.163727	-1.12694	0.259768	0.999277
0.530794	0.870033823	164.0949	-0.30439	0.174465	-1.7447	0.081038	0.83161
0.06039	0.396425247	88.83289	-0.08146	0.195012	-0.41774	0.676139	0.999277
0.354182	0.774326904	41.79259	-0.11906	0.214325	-0.55553	0.57853	0.999277
0.075726	0.437623711	254.5878	-0.06533	0.157456	-0.41488	0.678231	0.999277
0.24082	0.689154838	436.7697	-0.15459	0.134756	-1.14717	0.251311	0.999277
0.376147	0.78823097	220.0086	-0.1681	0.159411	-1.05453	0.29164	0.999277
0.00629	0.118096919	20.49817	-0.0263	0.213345	-0.12328	0.901883	0.999277
0.117643	0.527357968	716.5672	-0.11737	0.128094	-0.9163	0.359507	0.999277
0.949306	0.991148678	110.1797	-0.24571	0.184511	-1.3317	0.182958	0.999277
0.379456	0.789813758	351.8638	-0.34111	0.150914	-2.26027	0.023804	0.533496
0.670903	0.926059633	826.4593	-0.20737	0.134016	-1.54734	0.12178	0.931292
0.000507	0.023878396	67.46761	-0.03112	0.203096	-0.1532	0.878237	0.999277
0.166234	0.605328888	65.05564	-0.09897	0.2082	-0.47538	0.634515	0.999277
0.071019	0.425044249	159.2049	-0.08059	0.184737	-0.43627	0.662641	0.999277
0.204759	0.652864071	147.6146	-0.12886	0.1806	-0.71352	0.475521	0.999277
0.096564	0.486524812	42.45174	-0.12231	0.213375	-0.5732	0.566507	0.999277
0.026296	0.258836053	962.5385	-0.11336	0.14518	-0.78079	0.434925	0.999277
0.500426	0.85528638	152.6922	-0.19672	0.193046	-1.01903	0.308188	0.999277
0.636031	0.912524658	564.8644	-0.22383	0.155561	-1.43887	0.150187	0.982122
0.74258	0.940595738	1216.967	-0.21265	0.154663	-1.37493	0.169152	0.999277
0.132524	0.555040519	176.6226	-0.14063	0.16616	-0.84635	0.397355	0.999277
0.170968	0.612197843	360.3567	-0.14176	0.140036	-1.0123	0.311393	0.999277
0.007589	0.131745623	78.34295	-0.03439	0.203849	-0.1687	0.866029	0.999277
0.490126	0.85150948	46.61247	-0.18966	0.212942	-0.89067	0.373104	0.999277
0.41956	0.811450072	1365.247	-0.14788	0.128663	-1.14935	0.250411	0.999277
0.144154	0.573945795	465.2689	-0.11446	0.149503	-0.76559	0.44392	0.999277
0.040955	0.329086972	237.6916	-0.12367	0.154473	-0.80058	0.423373	0.999277
0.045895	0.344757485	285.9814	-0.12262	0.161167	-0.76086	0.446742	0.999277
0.001632	0.050185028	69.35391	0.113566	0.209211	0.54283	0.587247	0.999277
0.843966	0.967686655	73.24743	-0.23992	0.204218	-1.17485	0.240056	0.999277
1.24E-10	2.37E-07	220.8099	0.196925	0.154664	1.273244	0.202931	0.999277
0.630849	0.911456731	629.2225	-0.20581	0.129608	-1.58796	0.112296	0.922377
0.338135	0.760860289	218.8732	-0.19013	0.181546	-1.0473	0.294961	0.999277
0.001838	0.053630802	831.9947	-0.03747	0.12602	-0.29732	0.766219	0.999277
0.117356	0.527116434	86.02285	-0.09849	0.196975	-0.50001	0.61707	0.999277
0.188489	0.635815525	116.748	-0.15364	0.189456	-0.81093	0.417407	0.999277
0.10987	0.513147308	267.0709	-0.13999	0.147124	-0.95152	0.341342	0.999277
0.237996	0.686979517	374.0022	-0.13784	0.166329	-0.82869	0.407279	0.999277
0.843401	0.967287902	17.50955	-0.28324	0.209756	-1.35034	0.176908	0.999277
0.575185	0.890535872	72.55275	-0.17417	0.203483	-0.85593	0.392037	0.999277
0.154217	0.59087375	144.0451	-0.15589	0.185197	-0.84176	0.399924	0.999277
0.045897	0.344757485	87.21391	-0.05927	0.19947	-0.29712	0.766372	0.999277

0.233873	0.683219522	701.3999	-0.09774	0.122035	-0.80092	0.423175	0.999277
0.913901	0.983953937	12.67012	-0.2402	0.201938	-1.18945	0.234262	0.999277
0.170822	0.612136288	79.76111	-0.13105	0.197542	-0.66342	0.507061	0.999277
0.154076	0.59087375	121.4396	-0.13318	0.188422	-0.7068	0.479693	0.999277
0.622418	0.907988155	794.564	-0.20155	0.155384	-1.29713	0.194585	0.999277
0.08126	0.450984629	112.9546	-0.12997	0.185885	-0.6992	0.484424	0.999277
0.004463	0.097867715	60.59099	0.040424	0.206298	0.195949	0.84465	0.999277
0.041266	0.329909801	330.0688	-0.08452	0.154731	-0.54622	0.584917	0.999277
0.24147	0.689435681	206.093	-0.14834	0.171182	-0.86656	0.386183	0.999277
0.168884	0.609422997	113.6909	-0.15303	0.188003	-0.81396	0.41567	0.999277
0.024368	0.249486288	491.7522	-0.12611	0.14374	-0.87737	0.380285	0.999277
0.666674	0.925067398	448.2475	-0.20381	0.146368	-1.39248	0.163778	0.999277
0.24812	0.69561779	519.8768	-0.14942	0.153926	-0.9707	0.3317	0.999277
0.043903	0.337833053	77.25181	-0.08394	0.216329	-0.38801	0.698011	0.999277
0.006368	0.119044241	113.4531	0.048002	0.183771	0.261207	0.793933	0.999277
0.331604	0.757645795	25.18479	-0.17838	0.215696	-0.82702	0.408229	0.999277
0.311039	0.745298012	302.7463	-0.13925	0.159209	-0.87463	0.381777	0.999277
0.866556	0.974472542	1683.004	-0.2432	0.112554	-2.16078	0.030712	0.607634
0.00354	0.084333599	94.57246	-0.02749	0.196289	-0.14003	0.888639	0.999277
0.363802	0.781416284	244.9971	-0.15681	0.149725	-1.04735	0.294939	0.999277
0.024661	0.2503034	74.53912	-0.06402	0.200133	-0.3199	0.749046	0.999277
0.088714	0.469317496	231.3345	-0.0878	0.159495	-0.55049	0.581984	0.999277
0.279722	0.721300096	215.2847	-0.14807	0.175791	-0.84232	0.399608	0.999277
0.137586	0.564664667	23.46889	-0.04048	0.213395	-0.18968	0.849563	0.999277
0.608297	0.903795926	214.0604	-0.21355	0.174252	-1.22552	0.22038	0.999277
0.428043	0.815001869	309.4493	-0.15508	0.156203	-0.9928	0.320807	0.999277
0.733745	0.938791295	93.39928	-0.2198	0.213335	-1.03031	0.302864	0.999277
0.242686	0.689768035	298.1174	-0.1783	0.167569	-1.06406	0.287302	0.999277
0.982255	0.997345179	76.61895	-0.25504	0.197295	-1.29268	0.196122	0.999277
0.345207	0.76663701	104.4872	-0.1515	0.205706	-0.73651	0.461423	0.999277
0.185592	0.631890551	212.8889	-0.12011	0.175963	-0.68256	0.494885	0.999277
0.986672	0.998041473	1056.676	-0.25954	0.160963	-1.61243	0.106869	0.905256
0.000984	0.036348823	16.075	0.030839	0.20407	0.151121	0.87988	0.999277
0.01571	0.196779956	1045.755	-0.12079	0.121461	-0.99448	0.319989	0.999277
0.106764	0.507099852	106.2453	-0.08697	0.185358	-0.46923	0.638908	0.999277
0.90634	0.982337683	88.23648	-0.24628	0.197905	-1.24442	0.213347	0.999277
0.88981	0.978618144	174.0708	-0.24799	0.198223	-1.25108	0.210905	0.999277
0.120297	0.533159147	271.0801	-0.1527	0.158856	-0.96126	0.33642	0.999277
0.317586	0.750019078	29.67194	-0.16013	0.217004	-0.73791	0.460571	0.999277
0.015393	0.194298994	58.49604	-0.08962	0.208489	-0.42984	0.667313	0.999277
0.337697	0.760444205	4186.325	-0.19908	0.208736	-0.95372	0.340226	0.999277
0.008542	0.140618602	1297.5	-0.01405	0.124891	-0.11251	0.910416	0.999277
0.559328	0.883647729	35.13179	-0.17416	0.216377	-0.80491	0.42087	0.999277
0.102889	0.499389046	1302.902	-0.11093	0.110715	-1.00197	0.316357	0.999277
0.840357	0.966367111	1322.559	-0.24515	0.117019	-2.09497	0.036173	0.648426
0.146492	0.577631434	97.33479	-0.15798	0.1908	-0.82799	0.407676	0.999277
0.004001	0.091267789	130.0087	-0.02325	0.179001	-0.12987	0.896666	0.999277
0.291299	0.730852624	354.3476	-0.20092	0.146968	-1.36712	0.171587	0.999277
0.226056	0.675758962	115.2474	-0.15471	0.190679	-0.81137	0.417154	0.999277
0.117474	0.527211798	70.68059	-0.15431	0.202708	-0.76125	0.44651	0.999277
0.55838	0.882984001	65.96064	-0.1884	0.20756	-0.9077	0.364039	0.999277
0.138708	0.566965145	195.4796	-0.11437	0.172018	-0.66487	0.506136	0.999277

0.177499	0.620338094	62.12727	-0.11596	0.20851	-0.55613	0.57812	0.999277
0.360108	0.777634688	300.7444	-0.14803	0.171034	-0.8655	0.386762	0.999277
0.455007	0.829557869	164.028	-0.20329	0.18448	-1.10195	0.270483	0.999277
0.003402	0.081797663	2198.474	-0.12998	0.207343	-0.62687	0.530745	0.999277
0.141876	0.571760959	8427.532	-0.17028	0.114766	-1.4837	0.137888	0.963238
0.087834	0.466922844	327.5451	-0.12044	0.152997	-0.78722	0.431155	0.999277
0.028337	0.269977346	416.2187	-0.00342	0.142136	-0.02404	0.980822	0.999277
0.061001	0.39775625	105.9836	-0.09531	0.185117	-0.51487	0.606641	0.999277
0.007498	0.131193842	57.46349	-0.03115	0.207141	-0.1504	0.880452	0.999277
0.071037	0.425044249	11.64406	-0.00174	0.193191	-0.00899	0.992824	0.999277
0.147295	0.578667199	377.7538	-0.14737	0.143573	-1.02645	0.304682	0.999277
0.103667	0.500588036	41.89724	-0.07373	0.215236	-0.34257	0.73192	0.999277
0.863183	0.973438935	622.0592	-0.24498	0.122562	-1.9988	0.04563	0.687973
0.001458	0.046177512	43.88828	0.0245	0.215685	0.11359	0.909563	0.999277
2.35E-05	0.002752643	1180.193	0.078922	0.106056	0.74416	0.45678	0.999277
0.07697	0.440061399	187.3566	-0.00262	0.164111	-0.01594	0.987282	0.999277
0.02723	0.263586645	201.8653	-0.00362	0.177021	-0.02044	0.983693	0.999277
0.948818	0.991148678	100.6866	-0.2522	0.19732	-1.27815	0.201197	0.999277
0.106532	0.506407894	296.8936	-0.09721	0.161952	-0.60023	0.54835	0.999277
0.940239	0.98808595	416.5371	-0.2671	0.160676	-1.66234	0.096446	0.889738
0.177046	0.619698727	131.1251	-0.1185	0.18447	-0.64239	0.520619	0.999277
0.11101	0.515233026	113.9885	-0.06925	0.193428	-0.35801	0.720336	0.999277
0.719839	0.936421107	179.9628	-0.22407	0.188573	-1.18826	0.23473	0.999277
0.873094	0.975929662	256.6327	-0.2415	0.161904	-1.49161	0.135802	0.961317
0.356149	0.774871619	492.6539	-0.1599	0.144063	-1.10991	0.267038	0.999277
0.087534	0.466164176	43.50103	-0.01415	0.213299	-0.06636	0.947091	0.999277
0.206828	0.65432258	52.01286	-0.14172	0.213674	-0.66325	0.507168	0.999277
0.48097	0.846450746	75.83592	-0.1753	0.196394	-0.89261	0.372066	0.999277
0.791204	0.954486972	338.6531	-0.22737	0.178739	-1.2721	0.203337	0.999277
0.651367	0.919216906	355.144	-0.32391	0.142459	-2.27368	0.022985	0.533496
0.586294	0.894127733	281.1675	-0.21244	0.15879	-1.33786	0.180941	0.999277
0.000747	0.030833328	43.67738	-0.00227	0.215658	-0.01051	0.991616	0.999277
0.035191	0.303238692	433.6249	-0.11954	0.130789	-0.914	0.360716	0.999277
0.274786	0.716893573	275.696	-0.19232	0.162651	-1.18243	0.237036	0.999277
0.034687	0.301269986	154.4446	-0.06869	0.169246	-0.40586	0.684844	0.999277
0.029171	0.273827696	116.708	-0.00456	0.18311	-0.0249	0.980131	0.999277
0.038564	0.319379623	98.81704	-0.02774	0.189341	-0.14653	0.8835	0.999277
0.082622	0.454148982	83.87661	-0.03426	0.194436	-0.17618	0.860155	0.999277
0.232782	0.68238369	170.1925	-0.14366	0.171146	-0.83938	0.401255	0.999277
0.035111	0.303099049	229.8641	-0.08083	0.188874	-0.42794	0.668693	0.999277
0.316152	0.749026078	273.8726	-0.18882	0.15053	-1.25437	0.209709	0.999277
0.053276	0.374910234	96.29513	-0.05715	0.194421	-0.29392	0.768816	0.999277
0.900917	0.981243428	292.1686	-0.25005	0.168062	-1.48784	0.136793	0.961317
0.406274	0.801957174	204.7169	-0.14231	0.163512	-0.87033	0.384121	0.999277
0.222277	0.672517693	836.2727	-0.15779	0.135105	-1.16792	0.242839	0.999277
0.119776	0.531733059	155.5921	-0.03716	0.189367	-0.19626	0.844408	0.999277
0.288447	0.728621266	63.87205	-0.18446	0.215691	-0.85519	0.392445	0.999277
0.708908	0.93479128	62.79734	-0.22123	0.20595	-1.0742	0.282734	0.999277
0.482947	0.847184779	24.81272	-0.1941	0.2126	-0.91297	0.361256	0.999277
0.024407	0.249486288	49.32798	-0.02769	0.210613	-0.13146	0.895411	0.999277
0.073118	0.431176533	35.20526	-0.07611	0.216036	-0.35231	0.724605	0.999277
0.322819	0.752410022	527.3118	-0.1764	0.138932	-1.26969	0.204196	0.999277

0.001034	0.037445336	18.45905	0.187556	0.207684	0.903083	0.366482	0.999277
0.05991	0.394700044	142.768	-0.14	0.203292	-0.68865	0.491045	0.999277
0.098848	0.490981364	254.075	-0.10035	0.179147	-0.56014	0.575381	0.999277
0.200863	0.648536334	187.8297	-0.1606	0.166111	-0.96682	0.333635	0.999277
0.81577	0.959578957	71.61792	-0.23126	0.211324	-1.09434	0.273805	0.999277
0.061418	0.398918134	35.8918	-0.14341	0.216727	-0.66171	0.50816	0.999277
0.459932	0.832372815	191.4731	-0.19767	0.162974	-1.21289	0.225172	0.999277
0.154951	0.592118621	1270.246	-0.10481	0.111074	-0.94357	0.345387	0.999277
0.963455	0.994289023	114.301	-0.26851	0.188483	-1.42456	0.154285	0.990194
0.524699	0.867773724	363.247	-0.19993	0.141462	-1.41333	0.157558	0.997795
0.605823	0.902436176	175.6238	-0.22358	0.167242	-1.33685	0.18127	0.999277
0.08909	0.47037753	175.9968	-0.10541	0.169017	-0.62364	0.532864	0.999277
0.00452	0.098240229	14.67418	0.035995	0.187397	0.192078	0.847681	0.999277
0.641428	0.914411444	369.2824	-0.20225	0.166168	-1.21713	0.223555	0.999277
0.416768	0.808788657	76.96103	-0.20146	0.202908	-0.99286	0.320778	0.999277
0.909359	0.983107133	507.4625	-0.27436	0.164293	-1.66996	0.094927	0.885726
0.011165	0.163343338	63.39338	-0.00679	0.204922	-0.03312	0.973581	0.999277
0.917306	0.98454795	33.08294	-0.25099	0.217002	-1.15662	0.247428	0.999277
0.288634	0.728621266	128.8821	-0.17849	0.179936	-0.99196	0.321217	0.999277
0.562625	0.885010828	10.11665	-0.2002	0.187781	-1.06614	0.286359	0.999277
0.028994	0.273827696	27.58624	-0.0792	0.216846	-0.36526	0.71492	0.999277
0.138447	0.566309547	147.5475	-0.10487	0.177805	-0.58982	0.555315	0.999277
0.017669	0.207742401	38.80906	0.042165	0.216166	0.195056	0.845349	0.999277
0.028484	0.270674672	26.22091	-0.07368	0.216617	-0.34016	0.733735	0.999277
0.045142	0.342308082	30.13332	-0.04152	0.216958	-0.19137	0.848237	0.999277
0.008294	0.138931053	178.5988	-0.08013	0.169491	-0.47274	0.636398	0.999277
0.000155	0.011066827	33.49139	0.19254	0.216518	0.889258	0.373864	0.999277
0.057672	0.387668322	442.9208	-0.05219	0.135824	-0.38428	0.700773	0.999277
0.786018	0.95351673	44.46524	-0.23021	0.213568	-1.07792	0.28107	0.999277
0.290972	0.730514779	461.3636	-0.1732	0.140882	-1.2294	0.218924	0.999277
0.234913	0.683219522	132.6568	-0.12727	0.187618	-0.67836	0.497544	0.999277
0.3073	0.743099434	407.4117	-0.17859	0.149534	-1.19433	0.23235	0.999277
0.103193	0.499892244	152.137	-0.1312	0.169459	-0.77421	0.438805	0.999277
0.354876	0.774326904	389.2324	-0.19866	0.158701	-1.25179	0.210646	0.999277
0.253616	0.699563266	93.23109	-0.14999	0.190201	-0.78859	0.430355	0.999277
0.730747	0.938791295	122.8102	-0.21989	0.178078	-1.2348	0.216904	0.999277
0.181405	0.627221795	50.79497	-0.14273	0.211905	-0.67357	0.500587	0.999277
0.20494	0.653022736	76.00203	-0.12422	0.200574	-0.61931	0.535709	0.999277
0.673602	0.927486462	119.594	-0.22025	0.191104	-1.15252	0.249108	0.999277
0.054866	0.378817684	219.6829	-0.11998	0.153057	-0.78389	0.433102	0.999277
0.503915	0.856503293	160.7782	-0.18704	0.172401	-1.08493	0.277954	0.999277
0.4766	0.84304528	25.70468	-0.18311	0.195955	-0.93446	0.350069	0.999277
0.656373	0.920963494	59.03724	-0.32449	0.206209	-1.57362	0.115575	0.929931
0.098997	0.491241978	121.488	-0.08072	0.18074	-0.44662	0.655148	0.999277
0.096326	0.486524812	127.112	-0.07516	0.194121	-0.38719	0.698614	0.999277
0.561325	0.884546577	94.40777	-0.20213	0.192983	-1.04738	0.294924	0.999277
0.114925	0.522571385	37.41847	-0.11885	0.216393	-0.54925	0.582832	0.999277
0.905853	0.982337683	318.1753	-0.25549	0.145497	-1.75598	0.079092	0.825865
0.212919	0.662162147	361.0948	-0.12379	0.144544	-0.8564	0.391779	0.999277
0.079208	0.445187123	80.13724	-0.07672	0.19834	-0.3868	0.698903	0.999277
0.032791	0.290276524	299.0526	-0.11472	0.14698	-0.78053	0.435081	0.999277
0.685335	0.931172733	163.0023	-0.23964	0.177637	-1.34904	0.177326	0.999277

0.351568	0.773184181	2105.085	-0.14071	0.126783	-1.10983	0.26707	0.999277
0.745521	0.941321938	603.7182	-0.24631	0.175944	-1.39994	0.161533	0.999277
0.091404	0.474777897	99.5451	-0.1666	0.199241	-0.83619	0.403048	0.999277
0.108574	0.510970313	9.679398	-0.0513	0.185639	-0.27635	0.782281	0.999277
0.459039	0.832244861	462.7679	-0.1987	0.154408	-1.28685	0.198145	0.999277
0.007286	0.129569077	139.7305	-0.05553	0.174733	-0.31778	0.750649	0.999277
0.261504	0.705232158	42.88065	-0.17195	0.214674	-0.80099	0.423137	0.999277
0.488302	0.850257924	249.0913	-0.22552	0.163473	-1.37955	0.167724	0.999277
0.184255	0.631890551	177.2805	-0.10376	0.173502	-0.59801	0.549835	0.999277
0.966916	0.994977848	22.09087	-0.27406	0.207159	-1.32295	0.185853	0.999277
0.001558	0.048380386	15.90037	0.004097	0.206318	0.019859	0.984156	0.999277
0.003868	0.089612852	851.9276	-0.09064	0.127938	-0.70846	0.478661	0.999277
0.00619	0.11719006	290.9181	-0.03204	0.1439	-0.22268	0.823787	0.999277
0.669162	0.925142004	201.2145	-0.22282	0.168817	-1.31986	0.186882	0.999277
0.335635	0.759008088	386.5874	-0.18315	0.148303	-1.23497	0.216842	0.999277
0.395343	0.796836245	519.2452	-0.19375	0.133163	-1.455	0.145668	0.977082
0.572229	0.889935037	156.4416	-0.21247	0.169279	-1.25515	0.209424	0.999277
0.005864	0.11400287	165.4052	-0.0613	0.176508	-0.34729	0.728372	0.999277
0.02423	0.248953101	254.3715	-0.1081	0.153886	-0.70248	0.482383	0.999277
0.062201	0.401855987	441.6185	-0.17424	0.143959	-1.21037	0.226137	0.999277
0.1499	0.5829813	133.3068	-0.12996	0.191662	-0.67808	0.497722	0.999277
0.587336	0.894310786	482.9442	-0.19815	0.125876	-1.57417	0.115448	0.929931
0.063257	0.404949474	766.5448	-0.4691	0.14825	-3.16423	0.001555	0.158518
0.120937	0.53352163	120.2909	-0.15685	0.185	-0.84784	0.396526	0.999277
0.840147	0.96629232	265.5533	-0.24573	0.162297	-1.51407	0.130007	0.953813
0.996826	0.998953167	30.97056	-0.27012	0.216989	-1.24486	0.213184	0.999277
0.900004	0.981243428	301.7597	-0.25953	0.166079	-1.56271	0.118121	0.929931
0.82181	0.96101795	188.3996	-0.23796	0.175567	-1.3554	0.175291	0.999277
0.562793	0.885085584	55.56092	-0.1921	0.209305	-0.91778	0.358733	0.999277
0.054046	0.375679925	66.05592	-0.04861	0.203178	-0.23925	0.810915	0.999277
4.77E-05	0.004832854	1283.998	0.020604	0.138321	0.148959	0.881586	0.999277
0.345013	0.766460577	261.4536	-0.16961	0.161302	-1.05149	0.293033	0.999277
0.062322	0.402444245	105.9801	-0.10728	0.193751	-0.55369	0.579791	0.999277
0.140383	0.570712753	63.22056	-0.12377	0.207186	-0.5974	0.550241	0.999277
0.912465	0.983953937	638.2841	-0.25999	0.1452	-1.79056	0.073363	0.805483
0.413818	0.807542972	199.6009	-0.20689	0.16177	-1.2789	0.200931	0.999277
0.234706	0.683219522	819.045	-0.14784	0.112144	-1.31831	0.187399	0.999277
0.951012	0.99174397	277.05	-0.26379	0.152019	-1.73522	0.082703	0.83449
0.009812	0.151458384	105.0649	-0.1077	0.186914	-0.5762	0.564483	0.999277
0.861762	0.97286097	326.3387	-0.25435	0.16933	-1.50212	0.133067	0.959746
0.777976	0.950566762	1687.574	-0.23468	0.145293	-1.61524	0.106259	0.905207
0.937089	0.987004592	166.1619	-0.28288	0.182961	-1.54614	0.122071	0.931823
0.092736	0.47785484	99.58872	-0.05879	0.197753	-0.2973	0.76624	0.999277
0.048327	0.354754578	148.8345	-0.15868	0.182257	-0.87063	0.383958	0.999277
0.964375	0.994711448	415.5504	-0.27673	0.137538	-2.01202	0.044218	0.680826
0.642653	0.914852273	72.69559	-0.22369	0.201009	-1.11283	0.26578	0.999277
0.240629	0.68875646	44.36565	-0.12942	0.214262	-0.60404	0.545816	0.999277
0.875989	0.975929662	87.48347	-0.25303	0.198147	-1.27698	0.201609	0.999277
0.89223	0.979423868	238.1749	-0.25719	0.16447	-1.56376	0.117874	0.929931
0.23443	0.683219522	324.9334	-0.16903	0.157242	-1.07493	0.282404	0.999277
0.766788	0.948427543	174.9156	-0.3114	0.188388	-1.65299	0.098332	0.895353
0.000452	0.022547705	100.1826	0.048296	0.191138	0.252674	0.80052	0.999277

0.231371	0.681229775	465.0935	-0.15836	0.157672	-1.00434	0.315213	0.999277
0.558253	0.882888121	909.8181	-0.18701	0.135899	-1.37613	0.168782	0.999277
0.055305	0.37957512	394.0753	-0.06028	0.135717	-0.44413	0.656947	0.999277
0.198527	0.6453577	51.31735	-0.10252	0.214932	-0.47698	0.633379	0.999277
0.08243	0.453806639	118.9916	-0.08805	0.185469	-0.47476	0.634959	0.999277
0.801107	0.956594149	319.9886	-0.30863	0.160074	-1.92806	0.053847	0.724904
0.180688	0.625875737	28.34645	-0.09727	0.216756	-0.44874	0.653616	0.999277
0.000405	0.020833906	268.2822	-0.03382	0.146089	-0.23152	0.816913	0.999277
0.094136	0.481926285	66.67692	-0.11138	0.207677	-0.53632	0.591739	0.999277
0.022948	0.241533902	37.33796	-0.04621	0.216424	-0.2135	0.830934	0.999277
0.627866	0.910397777	9.72952	-0.21644	0.189909	-1.13972	0.254402	0.999277
0.910711	0.983347023	340.1349	-0.2878	0.156883	-1.83447	0.066584	0.782967
0.745901	0.941321938	4319.543	-0.23921	0.135705	-1.76273	0.077945	0.819387
0.410797	0.804361726	74.17276	-0.15461	0.200144	-0.77251	0.439813	0.999277
0.0909	0.474214134	573.8002	-0.06546	0.136669	-0.47893	0.631987	0.999277
0.099121	0.491241978	90.48832	-0.12429	0.192258	-0.64646	0.51798	0.999277
0.996831	0.998953167	353.8723	-0.27439	0.150027	-1.82891	0.067413	0.786127
0.175223	0.617729055	119.4861	-0.14105	0.184053	-0.76638	0.443452	0.999277
0.16139	0.600917879	56.02036	-0.0983	0.211165	-0.46551	0.641563	0.999277
0.047437	0.350714074	87.36039	-0.14249	0.205629	-0.69295	0.488339	0.999277
0.925684	0.985704596	627.9309	-0.28631	0.134426	-2.12988	0.033181	0.632021
0.529291	0.86938189	121.7532	-0.18877	0.194601	-0.97006	0.332018	0.999277
0.419895	0.811450072	31.57337	-0.21926	0.216988	-1.01045	0.312281	0.999277
0.193151	0.639447293	151.6108	-0.15662	0.171448	-0.9135	0.360981	0.999277
0.092333	0.477085075	19.68254	-0.09729	0.21061	-0.46195	0.644116	0.999277
0.532853	0.871697797	1070.871	-0.31879	0.122113	-2.61058	0.009039	0.378917
0.006622	0.122433241	538.4019	-0.06287	0.127326	-0.49375	0.621482	0.999277
0.000173	0.011825206	11.18662	0.220887	0.196359	1.124916	0.260625	0.999277
0.933776	0.986607773	60.01778	-0.28498	0.209271	-1.36176	0.173274	0.999277
0.013829	0.183667919	116.7707	-0.09635	0.182729	-0.52726	0.598016	0.999277
0.187639	0.635226724	15.72614	-0.09841	0.209085	-0.47068	0.63787	0.999277
0.387025	0.79297469	61.03181	-0.19591	0.205128	-0.95504	0.339556	0.999277
0.229952	0.680189	75.27298	-0.38216	0.207611	-1.84077	0.065655	0.78262
0.00815	0.13773038	27.55627	0.007981	0.216838	0.036806	0.970639	0.999277
0.193879	0.639447293	21.11942	-0.13234	0.2137	-0.61927	0.535741	0.999277
0.702242	0.934077476	1847.082	-0.31122	0.14468	-2.1511	0.031468	0.612927
0.004786	0.101687682	517.4539	-0.0885	0.144079	-0.61425	0.539047	0.999277
0.042091	0.332540301	31.43024	-0.06825	0.216918	-0.31462	0.753047	0.999277
0.47418	0.842005284	561.7651	-0.22412	0.156407	-1.4329	0.151887	0.98715
0.323442	0.752685089	697.2314	-0.1802	0.127526	-1.41301	0.157653	0.997795
0.758527	0.945376634	14.43191	-0.23783	0.203396	-1.16928	0.242293	0.999277
0.028821	0.272836978	151.5091	-0.00951	0.175409	-0.05421	0.956764	0.999277
0.964978	0.994841882	32.51789	-0.2709	0.216968	-1.24859	0.211814	0.999277
0.02636	0.259172871	217.8394	-0.14307	0.168695	-0.84811	0.396376	0.999277
0.403516	0.800156836	28.39922	-0.15425	0.216472	-0.71254	0.47613	0.999277
0.792511	0.954971215	147.0862	-0.3019	0.176302	-1.71241	0.086821	0.847264
0.082803	0.454354544	42.19464	-0.11138	0.213497	-0.5217	0.601882	0.999277
0.000491	0.023592119	80.39563	0.062088	0.208487	0.297801	0.765855	0.999277
0.543955	0.875213603	61.65488	-0.22847	0.206672	-1.10549	0.268949	0.999277
0.095598	0.485938912	760.3469	-0.11102	0.143599	-0.77313	0.439445	0.999277
0.007356	0.130240491	610.7039	-0.02714	0.119001	-0.22807	0.819594	0.999277
0.22571	0.675194667	93.74446	-0.14644	0.197724	-0.74065	0.458905	0.999277

0.050977	0.364803701	624.5793	-0.07772	0.127557	-0.60927	0.542347	0.999277
0.15589	0.594363605	38.07932	-0.13789	0.215335	-0.64035	0.521944	0.999277
0.100124	0.493095328	738.9146	-0.10673	0.214188	-0.4983	0.618274	0.999277
0.997632	0.998980571	88.35208	-0.27766	0.201704	-1.37658	0.168641	0.999277
0.303255	0.739758551	161.7388	-0.19707	0.173011	-1.13905	0.254683	0.999277
0.159864	0.598067776	333.6622	-0.18035	0.155374	-1.16076	0.245739	0.999277
0.001712	0.051425719	88.66812	0.028038	0.191383	0.146502	0.883525	0.999277
0.104747	0.501847039	342.2314	-0.13224	0.145089	-0.91142	0.362075	0.999277
0.833663	0.964463864	67.79141	-0.25111	0.214704	-1.16956	0.24218	0.999277
0.005855	0.11400287	142.8898	-0.05001	0.176214	-0.28382	0.776547	0.999277
0.281038	0.721618953	109.251	-0.19094	0.185624	-1.02864	0.303651	0.999277
0.075883	0.437735521	40.72878	-0.10926	0.214704	-0.50889	0.610827	0.999277
0.631156	0.911456731	29.30645	-0.22143	0.216942	-1.02068	0.307405	0.999277
0.000929	0.035581749	237.444	0.063875	0.157618	0.405252	0.685293	0.999277
0.365815	0.782722969	12.91368	-0.16016	0.197255	-0.81192	0.416838	0.999277
0.262615	0.705744981	281.8088	-0.17603	0.166891	-1.05475	0.291539	0.999277
0.441063	0.821346459	1405.524	-0.20798	0.116624	-1.78338	0.074525	0.809906
0.43905	0.820234435	315.3603	-0.21105	0.149204	-1.41449	0.157218	0.997185
0.010502	0.15844332	1709.65	-0.0442	0.110834	-0.39876	0.690068	0.999277
0.118572	0.529026498	209.4449	-0.14157	0.159042	-0.89015	0.373387	0.999277
0.000668	0.028712869	262.2258	-0.04902	0.15462	-0.31701	0.751233	0.999277
0.223746	0.673605122	220.2711	-0.18884	0.163651	-1.15389	0.248545	0.999277
0.777522	0.950382298	212.2706	-0.25643	0.16446	-1.55922	0.118944	0.929931
0.526719	0.868304398	144.8855	-0.21437	0.174477	-1.22862	0.219215	0.999277
0.049292	0.358873755	270.8788	-0.03529	0.165221	-0.21362	0.830845	0.999277
0.456453	0.830575312	291.669	-0.3534	0.163228	-2.16507	0.030382	0.607634
0.068837	0.421069867	624.9397	-0.08558	0.146628	-0.58365	0.559455	0.999277
0.008137	0.137724381	252.1562	-0.05928	0.150814	-0.39306	0.694274	0.999277
0.546528	0.876477616	149.6739	-0.22783	0.196065	-1.16202	0.245229	0.999277
0.875243	0.975929662	89.27362	-0.29225	0.19404	-1.50613	0.132033	0.957559
0.089916	0.472412873	268.9923	-0.12859	0.146501	-0.87774	0.380085	0.999277
1.16E-05	0.00161569	259.6303	0.192753	0.149493	1.289373	0.197268	0.999277
0.303255	0.739758551	161.3401	-0.20013	0.172963	-1.1571	0.247233	0.999277
0.256136	0.702061462	108.6377	-0.14525	0.188414	-0.7709	0.440768	0.999277
0.004843	0.102113581	63.48932	0.068572	0.20447	0.335367	0.737348	0.999277
0.972241	0.995553036	704.0833	-0.27713	0.121962	-2.27229	0.023069	0.533496
0.56359	0.885565593	32.47366	-0.20616	0.21677	-0.95103	0.341588	0.999277
0.002867	0.073435846	159.127	-0.01772	0.175397	-0.10105	0.919513	0.999277
0.482156	0.846450746	447.3105	-0.21098	0.148044	-1.42513	0.154118	0.990194
0.376655	0.788552212	1130.457	-0.21121	0.129571	-1.63009	0.103083	0.899753
0.409475	0.803007486	167.783	-0.21018	0.18512	-1.13535	0.25623	0.999277
0.507315	0.858749908	126.5223	-0.21508	0.192076	-1.11975	0.262819	0.999277
0.74183	0.94054009	78.82035	-0.24875	0.202589	-1.22785	0.219502	0.999277
0.100502	0.493641174	50.44357	-0.08761	0.21086	-0.41547	0.677796	0.999277
0.697181	0.933417775	263.906	-0.23375	0.159695	-1.4637	0.143277	0.976872
0.146493	0.577631434	52.46265	-0.07463	0.209972	-0.35543	0.722265	0.999277
0.103428	0.499892244	237.1663	-0.14681	0.172922	-0.84898	0.395893	0.999277
0.534901	0.872130388	11.56004	-0.19473	0.194688	-1.0002	0.317215	0.999277
0.946326	0.989869404	64.33444	-0.28867	0.204266	-1.41322	0.15759	0.997795
0.084998	0.459616832	113.2654	-0.10562	0.183132	-0.57673	0.564123	0.999277
0.141061	0.57119039	131.3349	-0.17969	0.191802	-0.93686	0.348828	0.999277
0.127875	0.547329454	15.73284	-0.06084	0.208314	-0.29204	0.770257	0.999277

0.001921	0.055436398	5598.261	0.029234	0.117102	0.249642	0.802864	0.999277
0.381616	0.790738618	74.09607	-0.16743	0.207321	-0.80759	0.419329	0.999277
0.454048	0.828567096	59.9077	-0.2352	0.207467	-1.13365	0.25694	0.999277
0.445461	0.823970197	33.59132	-0.22187	0.216622	-1.02424	0.305721	0.999277
0.010037	0.153466886	171.4987	-0.05212	0.168703	-0.30892	0.757379	0.999277
0.342806	0.765527629	16.12242	-0.19162	0.206101	-0.92975	0.3525	0.999277
0.331097	0.75739504	291.4476	-0.21928	0.153521	-1.42832	0.153199	0.990194
0.077115	0.440137403	39.228	-0.16196	0.215152	-0.75276	0.451592	0.999277
0.053755	0.375414764	11.87554	-0.03015	0.195367	-0.1543	0.877371	0.999277
0.987744	0.998384791	72.4607	-0.28193	0.206576	-1.36478	0.172323	0.999277
0.023128	0.242471429	49.44482	-0.14152	0.211556	-0.66894	0.503535	0.999277
0.530614	0.869947789	196.7682	-0.21833	0.181441	-1.2033	0.22886	0.999277
0.980739	0.997074411	866.0947	-0.28054	0.213735	-1.31256	0.189332	0.999277
0.299608	0.737986555	62.67495	-0.19612	0.215673	-0.90932	0.36318	0.999277
0.98379	0.997439038	1155.874	-0.28205	0.115871	-2.43414	0.014927	0.45844
0.060198	0.39579154	83.78698	-0.14624	0.195738	-0.74713	0.454986	0.999277
0.209653	0.658575401	53.14745	-0.18178	0.213035	-0.8533	0.393496	0.999277
0.322995	0.752434242	361.152	-0.35449	0.142392	-2.48957	0.01279	0.428018
0.006837	0.124416605	63.19782	-0.10746	0.206649	-0.52001	0.603057	0.999277
0.367003	0.783537382	9.57397	-0.18583	0.191051	-0.97268	0.330711	0.999277
0.257992	0.702821884	31.11297	-0.12824	0.216936	-0.59114	0.554429	0.999277
0.028265	0.269609157	2200.83	-0.0549	0.106644	-0.51482	0.606679	0.999277
0.001428	0.045448185	344.1513	0.067241	0.134412	0.500259	0.616893	0.999277
0.000316	0.017550602	425.3133	-0.09786	0.133718	-0.7318	0.46429	0.999277
0.652164	0.919811662	178.9931	-0.23365	0.187958	-1.2431	0.21383	0.999277
0.571696	0.889585318	193.4479	-0.22285	0.172576	-1.29131	0.196595	0.999277
0.182038	0.628216762	434.2252	-0.1901	0.134179	-1.41678	0.156546	0.996626
0.002652	0.070056861	116.1514	-0.09579	0.190347	-0.50325	0.614789	0.999277
0.026454	0.259611524	80.20893	-0.07947	0.209456	-0.3794	0.704392	0.999277
0.007792	0.133762147	303.0159	-0.02517	0.145764	-0.17264	0.862932	0.999277
0.007792	0.133762147	230.3187	-0.14305	0.159795	-0.89524	0.370659	0.999277
0.005935	0.114461244	353.7874	-0.02104	0.148931	-0.1413	0.887629	0.999277
0.177562	0.620338094	35.30938	-0.15519	0.216796	-0.71582	0.4741	0.999277
0.948202	0.990978981	104.6723	-0.28014	0.192802	-1.45297	0.146232	0.977082
0.411132	0.804627647	65.43215	-0.16547	0.21258	-0.77838	0.436344	0.999277
0.157511	0.596613791	911.2905	-0.13847	0.126498	-1.09466	0.273666	0.999277
0.053005	0.374280325	24.54939	-0.04917	0.21458	-0.22915	0.818749	0.999277
0.036055	0.306769911	313.5727	-0.07263	0.142799	-0.50861	0.611025	0.999277
0.00382	0.088966092	17.39185	0.13204	0.209691	0.629689	0.528898	0.999277
1.57E-05	0.002016427	64.74503	0.096047	0.203463	0.472061	0.636883	0.999277
0.002538	0.067634671	473.967	-0.07953	0.137097	-0.58007	0.561865	0.999277
0.144534	0.574285215	24.39771	-0.17134	0.215796	-0.79397	0.427214	0.999277
0.834723	0.964681778	42.13031	-0.30996	0.215526	-1.43817	0.150385	0.982122
1.09E-05	0.001588797	1445.499	-0.09578	0.129689	-0.73855	0.460179	0.999277
0.3838	0.790851448	251.8415	-0.16466	0.168014	-0.98003	0.327073	0.999277
0.223876	0.673833661	32.81387	-0.17302	0.216771	-0.79817	0.424771	0.999277
0.224137	0.67387367	149.1496	-0.19653	0.200952	-0.97799	0.328079	0.999277
0.40667	0.801957174	462.3614	-0.211	0.135677	-1.55515	0.11991	0.929931
0.92241	0.985704596	716.1986	-0.27688	0.139336	-1.98713	0.046908	0.690038
0.33564	0.759008088	158.8866	-0.22554	0.193602	-1.16494	0.244043	0.999277
0.158378	0.596830002	59.00887	-0.40785	0.210138	-1.94085	0.052276	0.719848
0.75586	0.944612481	206.4159	-0.25576	0.180313	-1.41843	0.156066	0.996379

0.428539	0.815296682	393.1445	-0.18722	0.137226	-1.36431	0.172469	0.999277
0.445092	0.823581052	50.47737	-0.22553	0.211111	-1.06832	0.285376	0.999277
0.291692	0.731528087	27.11632	-0.19731	0.216297	-0.9122	0.361666	0.999277
0.711173	0.935646775	21.22622	-0.34166	0.208838	-1.636	0.101839	0.899753
0.001365	0.044186789	15.53824	0.027727	0.19893	0.139379	0.889151	0.999277
0.12069	0.533405714	89.783	-0.17284	0.195551	-0.88384	0.376785	0.999277
0.955031	0.992605014	121.4872	-0.29368	0.193228	-1.51984	0.12855	0.95177
0.296774	0.735498118	110.9204	-0.14948	0.194216	-0.76964	0.441513	0.999277
0.465729	0.836748046	183.2087	-0.19566	0.179616	-1.08934	0.276006	0.999277
0.029089	0.273827696	31.17554	0.0213	0.216893	0.098205	0.92177	0.999277
0.834193	0.964463864	1991.244	-0.25996	0.12832	-2.02583	0.042782	0.675167
0.020379	0.225784352	12.91748	-0.00108	0.200628	-0.0054	0.99569	0.999303
0.110484	0.514156037	613.6605	-0.15653	0.136319	-1.14828	0.250854	0.999277
0.061454	0.398956268	79.13348	-0.08692	0.198921	-0.43697	0.662136	0.999277
0.000446	0.022423463	14.90901	0.156823	0.198301	0.790833	0.429041	0.999277
0.010416	0.15740509	528.5069	-0.08074	0.126192	-0.63978	0.522313	0.999277
0.282335	0.723398357	99.7972	-0.14869	0.186477	-0.79735	0.425249	0.999277
0.913863	0.983953937	59.76146	-0.30309	0.2092	-1.4488	0.147392	0.978824
0.634057	0.912411508	92.50623	-0.22932	0.194929	-1.17642	0.239429	0.999277
0.960551	0.993937723	103.6884	-0.29688	0.184515	-1.60899	0.107619	0.907958
0.006619	0.122433241	316.4586	-0.02941	0.148216	-0.19843	0.842711	0.999277
0.208623	0.656690788	15.54107	-0.17854	0.204702	-0.87219	0.383105	0.999277
0.738973	0.940232174	73.55372	-0.25789	0.206348	-1.24979	0.211375	0.999277
0.610472	0.904380258	90.98747	-0.21778	0.192366	-1.13211	0.257588	0.999277
0.401985	0.799749836	183.2826	-0.22044	0.160137	-1.37658	0.168642	0.999277
0.675991	0.927604313	67.07564	-0.25303	0.204492	-1.23736	0.215954	0.999277
0.147092	0.578629258	745.2203	-0.1283	0.126676	-1.01282	0.311148	0.999277
0.08198	0.452446487	151.2316	-0.17098	0.181934	-0.9398	0.347321	0.999277
0.093762	0.480381977	33.73928	-0.16122	0.21696	-0.74307	0.45744	0.999277
0.296571	0.735498118	101.9583	-0.18743	0.193056	-0.97085	0.331622	0.999277
0.05873	0.391734866	125.0371	-0.12078	0.182331	-0.66245	0.507685	0.999277
0.526464	0.868304398	264.8596	-0.219	0.162312	-1.34928	0.177246	0.999277
0.406226	0.801957174	28.17278	-0.19069	0.217007	-0.87871	0.379557	0.999277
0.070841	0.425044249	100.8007	-0.16194	0.19619	-0.82545	0.409117	0.999277
0.089152	0.47037753	132.6729	-0.14505	0.177971	-0.815	0.415074	0.999277
0.002275	0.06244436	267.1188	-0.11605	0.154472	-0.75124	0.452507	0.999277
0.103271	0.499892244	68.99628	-0.12631	0.200817	-0.62899	0.529356	0.999277
0.596131	0.897452567	806.9146	-0.23837	0.128181	-1.85965	0.062935	0.772395
0.090541	0.473414303	39.33266	-0.50616	0.21546	-2.34921	0.018813	0.490098
0.891234	0.979423868	425.8503	-0.27513	0.142546	-1.93015	0.053589	0.722963
0.288291	0.728621266	379.8314	-0.38514	0.162211	-2.3743	0.017582	0.480853
0.022191	0.237115324	304.1501	-0.04129	0.170463	-0.24224	0.808591	0.999277
0.001297	0.043017663	345.6948	-0.03132	0.144267	-0.21709	0.828137	0.999277
0.047305	0.350451609	482.2516	-0.12351	0.127371	-0.96971	0.332192	0.999277
0.162455	0.601189469	84.6638	-0.18409	0.19703	-0.93433	0.350132	0.999277
0.591045	0.895697175	242.9914	-0.26153	0.176374	-1.48281	0.138125	0.963238
0.055169	0.379148447	179.7847	-0.0248	0.161977	-0.15309	0.878326	0.999277
0.899842	0.981243428	18.15325	-0.27752	0.211237	-1.3138	0.188913	0.999277
0.53491	0.872130388	110.5976	-0.21745	0.182943	-1.18863	0.234585	0.999277
0.800298	0.956574326	248.0512	-0.26088	0.153403	-1.70059	0.08902	0.851686
0.067526	0.417181262	477.7742	-0.11164	0.16583	-0.67324	0.500797	0.999277
0.042236	0.33288396	42.64069	-0.09191	0.214119	-0.42925	0.66774	0.999277

0.001728	0.051761878	1553.485	-0.08923	0.108716	-0.82075	0.411786	0.999277
0.110604	0.514156037	2047.031	-0.18053	0.106109	-1.70134	0.088879	0.851686
0.179463	0.623409084	136.5666	-0.16086	0.177415	-0.90668	0.364574	0.999277
0.005902	0.11400287	68.31871	-0.06306	0.202785	-0.31097	0.755825	0.999277
0.07389	0.432313991	114.7984	-0.17401	0.18334	-0.94909	0.342574	0.999277
0.949473	0.991221477	232.3358	-0.28841	0.1654	-1.74369	0.081213	0.83161
0.776329	0.950382298	1064.215	-0.26405	0.134731	-1.95982	0.050017	0.704079
0.607284	0.90364113	522.4998	-0.25005	0.137086	-1.82401	0.06815	0.786955
0.863595	0.9735332	1989.694	-0.31169	0.147908	-2.10733	0.035089	0.642847
0.705016	0.934710222	222.014	-0.25052	0.16071	-1.55885	0.119031	0.929931
0.012439	0.17275389	9.284689	0.062614	0.187684	0.333612	0.738672	0.999277
0.015578	0.195709122	190.3259	-0.10985	0.159667	-0.68796	0.491475	0.999277
7.85E-05	0.006900098	265.4148	-0.04257	0.14507	-0.29344	0.769186	0.999277
0.134868	0.560072582	11.16685	-0.12346	0.193161	-0.63913	0.522738	0.999277
0.404726	0.800908086	38.37515	-0.1889	0.216101	-0.87414	0.382041	0.999277
0.545112	0.875466782	497.6435	-0.25541	0.161955	-1.57705	0.114785	0.929931
0.756144	0.944670939	427.0259	-0.26515	0.14331	-1.85018	0.064288	0.776184
0.693425	0.93240872	566.0784	-0.23713	0.129949	-1.82475	0.068038	0.786955
0.007441	0.131050247	32.99054	-0.04092	0.216904	-0.18866	0.85036	0.999277
0.131395	0.552660958	456.684	-0.18431	0.139274	-1.32336	0.185715	0.999277
0.190669	0.63818851	178.307	-0.17199	0.165314	-1.04039	0.298159	0.999277
0.299617	0.737986555	1430.562	-0.20096	0.12221	-1.64437	0.100099	0.899753
0.015673	0.1965301	172.4451	-0.11231	0.171451	-0.65507	0.512424	0.999277
0.085548	0.46122052	19.40859	-0.1551	0.212945	-0.72836	0.466394	0.999277
0.123446	0.536619137	259.2652	-0.09069	0.165962	-0.54643	0.58477	0.999277
0.049936	0.361005205	200.0365	-0.13155	0.160571	-0.81923	0.412653	0.999277
0.298098	0.736579797	1231.598	-0.19666	0.132033	-1.48948	0.136362	0.961317
0.049077	0.358081865	25.72533	-0.0092	0.216399	-0.04253	0.966072	0.999277
0.188055	0.635584592	349.7331	-0.20952	0.138039	-1.51783	0.129056	0.952195
0.435983	0.818278707	339.4609	-0.19666	0.155361	-1.2658	0.205584	0.999277
0.308446	0.743099434	39.90089	-0.17939	0.21572	-0.83158	0.405647	0.999277
0.282636	0.723753975	452.4378	-0.23156	0.146058	-1.58542	0.112871	0.925201
0.995054	0.998654685	164.5693	-0.29623	0.183087	-1.61796	0.10567	0.903164
0.500125	0.855100083	143.4545	-0.3544	0.179335	-1.97618	0.048134	0.692543
0.102683	0.499226634	91.73494	-0.09972	0.189093	-0.52735	0.597954	0.999277
0.570981	0.889335358	341.1461	-0.37508	0.170316	-2.20226	0.027647	0.582472
0.387706	0.793552228	85.45143	-0.20228	0.197568	-1.02386	0.305901	0.999277
0.011432	0.165710091	172.9708	-0.11526	0.165642	-0.69585	0.486522	0.999277
0.439545	0.820655814	172.8504	-0.20575	0.168558	-1.22067	0.222209	0.999277
0.784476	0.95302139	399.1181	-0.27047	0.133667	-2.02345	0.043027	0.675652
0.197844	0.645175918	33.29514	-0.13469	0.207229	-0.64998	0.515707	0.999277
0.001002	0.036594267	33.30665	-0.00496	0.215333	-0.02302	0.981634	0.999277
0.550106	0.879140835	278.6456	-0.21657	0.158183	-1.36911	0.170965	0.999277
0.453516	0.828161957	133.9077	-0.22447	0.176819	-1.2695	0.204261	0.999277
0.717058	0.935990129	94.97527	-0.33565	0.203452	-1.64979	0.098986	0.897621
0.004875	0.102129912	305.7857	0.029139	0.147461	0.197606	0.843354	0.999277
0.708711	0.93479128	11.50379	-0.25264	0.189729	-1.3316	0.182993	0.999277
0.68931	0.931451227	81.94856	-0.25202	0.199059	-1.26603	0.205502	0.999277
0.629444	0.910993455	28.06651	-0.25459	0.216999	-1.17325	0.240695	0.999277
0.760477	0.946044977	9.498117	-0.25745	0.183708	-1.40143	0.161085	0.999277
0.354146	0.774326904	194.0119	-0.23291	0.178478	-1.305	0.191894	0.999277
0.139185	0.567677313	169.6636	-0.12847	0.178622	-0.71922	0.472006	0.999277

0.909863	0.983196748	139.3641	-0.31491	0.197584	-1.59383	0.110974	0.91748
0.001273	0.042694346	211.1251	0.030316	0.169797	0.178545	0.858295	0.999277
0.057082	0.385445107	102.2184	-0.15257	0.192976	-0.79062	0.429168	0.999277
0.74896	0.942352049	81.71316	-0.33602	0.196086	-1.71361	0.0866	0.847035
0.66729	0.925067398	124.5815	-0.35112	0.189293	-1.85489	0.063611	0.774966
0.073177	0.431176533	10.63826	-0.04085	0.1928	-0.2119	0.832187	0.999277
0.354847	0.774326904	570.8591	-0.17571	0.129881	-1.35285	0.176103	0.999277
0.251028	0.69760686	1044.271	-0.18956	0.117555	-1.61251	0.10685	0.905256
0.349449	0.771314219	19.61302	-0.19669	0.212981	-0.9235	0.355748	0.999277
0.324091	0.753676184	1170.354	-0.20962	0.153996	-1.36122	0.173446	0.999277
0.884622	0.977581014	154.483	-0.28473	0.208017	-1.36878	0.171067	0.999277
0.498471	0.854020462	49.41745	-0.34614	0.212236	-1.63093	0.102904	0.899753
0.268375	0.711834971	177.3177	-0.19451	0.188623	-1.03123	0.302432	0.999277
0.01663	0.202349152	441.0174	-0.04421	0.151443	-0.29194	0.770335	0.999277
0.011432	0.165710091	173.7127	-0.11822	0.165365	-0.71491	0.474667	0.999277
0.000961	0.035993171	531.2612	0.01926	0.132057	0.145847	0.884042	0.999277
0.228232	0.677661951	126.425	-0.1889	0.183237	-1.0309	0.302588	0.999277
0.055316	0.37957512	135.1398	-0.14737	0.176603	-0.83449	0.404006	0.999277
0.181127	0.626594175	176.9348	-0.18666	0.167396	-1.11506	0.264827	0.999277
0.889131	0.978618144	440.691	-0.28586	0.137293	-2.08212	0.037332	0.654053
0.123383	0.536619137	128.0467	-0.10331	0.180363	-0.57277	0.5668	0.999277
0.047757	0.35185556	666.7168	-0.01609	0.124427	-0.1293	0.897123	0.999277
0.151077	0.585176127	794.0106	-0.19093	0.147234	-1.29678	0.194708	0.999277
0.001499	0.047142566	386.5675	-0.15221	0.147824	-1.02964	0.30318	0.999277
0.201265	0.648578288	252.5092	-0.16103	0.151841	-1.06051	0.288911	0.999277
0.037692	0.314791755	20.22554	-0.15855	0.21283	-0.74496	0.456295	0.999277
0.458683	0.832244861	43.16841	-0.23141	0.213961	-1.08155	0.279453	0.999277
0.811828	0.958678625	131.986	-0.27486	0.184096	-1.49301	0.135435	0.961317
0.250962	0.697568677	275.9878	-0.18113	0.158911	-1.13982	0.254363	0.999277
0.023682	0.245556654	125.5433	-0.1031	0.179237	-0.57524	0.56513	0.999277
0.149794	0.5829813	22.74769	-0.13695	0.214657	-0.63798	0.523484	0.999277
0.288679	0.728621266	191.879	-0.20598	0.167322	-1.23104	0.218309	0.999277
0.005393	0.109227675	88.62261	-0.02053	0.191268	-0.10734	0.914515	0.999277
0.541486	0.874776529	30.18859	-0.229	0.216936	-1.05561	0.291146	0.999277
0.085948	0.462853031	42.03988	-0.13551	0.216895	-0.62476	0.532128	0.999277
0.093543	0.479713303	645.3989	-0.10898	0.141651	-0.76934	0.441693	0.999277
0.883367	0.976958449	167.8744	-0.32157	0.171999	-1.86963	0.061536	0.76487
0.052461	0.371278075	340.5743	-0.16738	0.216072	-0.77465	0.438548	0.999277
0.010646	0.159172138	50.95192	-0.06797	0.213714	-0.31803	0.750459	0.999277
0.968094	0.995500528	351.5578	-0.29943	0.146862	-2.03883	0.041467	0.672512
0.584505	0.893127978	4057.133	-0.24709	0.12631	-1.95625	0.050436	0.706049
0.015871	0.19755327	800.7167	-0.17416	0.118653	-1.46785	0.142146	0.974659
0.038323	0.31778113	33.47698	-0.04284	0.216394	-0.19796	0.843075	0.999277
0.02741	0.264293437	47.23313	-0.12046	0.212435	-0.56706	0.570671	0.999277
0.567133	0.888146309	59.27327	-0.23779	0.210126	-1.13166	0.257777	0.999277
0.112735	0.518563319	263.1759	-0.14271	0.155294	-0.91896	0.358117	0.999277
0.113536	0.519695123	133.6381	-0.12982	0.203104	-0.6392	0.522694	0.999277
0.013575	0.1819156	127.1865	-0.15337	0.178388	-0.85973	0.389935	0.999277
0.000858	0.033718441	214.0531	-0.12609	0.16567	-0.76112	0.446586	0.999277
0.092241	0.476975476	415.8401	-0.11171	0.153474	-0.72788	0.46669	0.999277
0.647226	0.917440937	330.2308	-0.27101	0.175374	-1.54534	0.122265	0.932742
0.481837	0.846450746	43.56292	-0.23955	0.214536	-1.11659	0.264168	0.999277

0.840296	0.966367111	1188.359	-0.32898	0.12459	-2.64052	0.008278	0.375106
0.482603	0.846692261	89.41921	-0.23307	0.191238	-1.21874	0.222943	0.999277
0.05936	0.392678821	215.5646	-0.17831	0.174896	-1.01953	0.30795	0.999277
0.09085	0.474214134	54.00179	-0.12671	0.211628	-0.59875	0.549339	0.999277
0.220512	0.671412196	58.4726	-0.16448	0.209766	-0.78409	0.432987	0.999277
0.091378	0.474777897	98.15269	-0.11305	0.199907	-0.5655	0.571737	0.999277
0.225675	0.675194667	240.7175	-0.16742	0.187859	-0.89118	0.372832	0.999277
0.692979	0.932282511	102.9463	-0.26796	0.191019	-1.40278	0.160681	0.999277
0.446529	0.824037121	189.2007	-0.2344	0.172339	-1.3601	0.173799	0.999277
0.306861	0.743080656	22.44274	-0.17076	0.213719	-0.79899	0.424296	0.999277
0.759238	0.945577828	488.0474	-0.27445	0.182663	-1.5025	0.132968	0.959746
0.873549	0.975929662	100.0762	-0.28891	0.18545	-1.55788	0.119261	0.929931
0.004113	0.092734767	113.3811	-0.04594	0.186041	-0.24691	0.804975	0.999277
0.1429	0.57212597	54.91449	-0.13484	0.210311	-0.64114	0.521433	0.999277
0.248647	0.696015371	117.0757	-0.17145	0.182687	-0.93849	0.347992	0.999277
0.001226	0.041706514	500.0636	-0.11001	0.127113	-0.86547	0.386781	0.999277
0.076448	0.439093051	133.0528	-0.15833	0.184465	-0.85832	0.390716	0.999277
0.867823	0.974472542	1200.966	-0.2832	0.131196	-2.15858	0.030882	0.609024
0.440156	0.821154182	415.5026	-0.22102	0.136863	-1.61487	0.106339	0.905207
0.14271	0.572012811	291.1988	-0.13736	0.153965	-0.89216	0.372305	0.999277
0.19864	0.645567645	57.72327	-0.14132	0.209146	-0.67569	0.49924	0.999277
0.014934	0.191435598	92.42625	-0.11718	0.194055	-0.60385	0.545946	0.999277
9.24E-06	0.001487919	63.40961	0.032739	0.206815	0.158302	0.874219	0.999277
0.33415	0.759008088	1692.706	-0.20156	0.132704	-1.51889	0.12879	0.952068
0.015427	0.194359404	176.9888	-0.16678	0.170237	-0.97969	0.327239	0.999277
0.220602	0.671412196	71.91779	-0.20745	0.203145	-1.02121	0.307153	0.999277
0.236684	0.685759421	656.0584	-0.18124	0.136678	-1.32601	0.184835	0.999277
0.890146	0.978648335	42.84418	-0.29007	0.215662	-1.34502	0.17862	0.999277
0.003305	0.080621159	41.80809	-0.05468	0.215965	-0.2532	0.800111	0.999277
0.476248	0.84304528	96.70151	-0.2438	0.191976	-1.26997	0.204094	0.999277
0.969842	0.99553873	742.3019	-0.30374	0.157314	-1.93081	0.053506	0.722621
0.904977	0.982337683	242.1761	-0.3207	0.15731	-2.03862	0.041488	0.672512
0.853776	0.970113985	658.561	-0.28262	0.164596	-1.71704	0.085972	0.845223
0.000618	0.027073988	281.5105	-0.0954	0.177005	-0.53898	0.5899	0.999277
0.170719	0.612136288	266.1084	-0.16649	0.151722	-1.09731	0.272506	0.999277
0.363947	0.781495765	13.24391	-0.18067	0.200882	-0.8994	0.368437	0.999277
0.330249	0.757064099	337.5238	-0.21501	0.143869	-1.49446	0.135054	0.961274
0.976338	0.996317022	38.5848	-0.31423	0.215023	-1.46138	0.14391	0.977082
0.577592	0.891532581	27.84909	-0.24995	0.216676	-1.15356	0.248682	0.999277
0.401834	0.799749836	60.93671	-0.22133	0.211335	-1.04731	0.294956	0.999277
0.235083	0.6834179	123.1706	-0.19308	0.184016	-1.04924	0.294066	0.999277
0.37581	0.787930192	18.52616	-0.19402	0.212594	-0.91264	0.361434	0.999277
0.913039	0.983953937	63.20016	-0.32271	0.208971	-1.54429	0.122518	0.934109
0.240135	0.688236474	77.39559	-0.18284	0.200324	-0.9127	0.3614	0.999277
0.993261	0.998538548	74.38476	-0.30994	0.199417	-1.55422	0.120133	0.929931
0.141341	0.571236062	720.5028	-0.16205	0.121992	-1.32834	0.184065	0.999277
0.122859	0.535747264	201.3472	-0.10246	0.180092	-0.56891	0.569418	0.999277
0.749308	0.942352049	1576.869	-0.34317	0.15906	-2.15746	0.03097	0.609795
0.220004	0.670801156	71.65598	-0.48872	0.20458	-2.38891	0.016898	0.476532
0.173881	0.616190606	3838.3	-0.21208	0.129385	-1.63916	0.101181	0.899753
0.004739	0.101198853	36.47667	0.037762	0.21696	0.174051	0.861825	0.999277
0.037068	0.312417452	116.5469	-0.12664	0.179676	-0.70484	0.480912	0.999277

0.206865	0.65432258	12.98418	-0.17434	0.197568	-0.88243	0.377544	0.999277
0.002411	0.065516206	696.7114	-0.10263	0.133948	-0.76619	0.443564	0.999277
0.712584	0.935646775	355.8613	-0.26455	0.160824	-1.64496	0.099978	0.899753
0.154264	0.59087375	912.8222	-0.1688	0.118407	-1.42557	0.153992	0.990194
0.21904	0.669212189	168.7178	-0.20483	0.168095	-1.21855	0.223015	0.999277
0.000647	0.02798623	10.55824	0.004912	0.184482	0.026625	0.978759	0.999277
0.003565	0.084333599	85.42366	-0.14901	0.199064	-0.74855	0.454131	0.999277
0.006647	0.12256062	780.2703	0.068683	0.115303	0.595669	0.551397	0.999277
0.86247	0.9732029	1225.835	-0.33352	0.16372	-2.03716	0.041634	0.672512
0.382955	0.790738618	2299.815	-0.19513	0.142214	-1.37208	0.17004	0.999277
0.068018	0.419138769	103.7751	-0.10013	0.195754	-0.51153	0.608981	0.999277
0.003561	0.084333599	213.575	-0.11953	0.179188	-0.66704	0.504746	0.999277
0.919067	0.985494046	103.1684	-0.29981	0.204879	-1.46334	0.143374	0.976872
0.355244	0.77476684	36.33254	-0.23865	0.216443	-1.10261	0.270195	0.999277
0.165875	0.605102404	94.16197	-0.11045	0.191391	-0.57711	0.563866	0.999277
0.562097	0.885010828	477.9469	-0.38239	0.136575	-2.79987	0.005112	0.321516
0.162436	0.601189469	172.669	-0.16346	0.170419	-0.95916	0.337477	0.999277
0.008431	0.139647147	327.0973	-0.15912	0.153642	-1.03568	0.30035	0.999277
0.009696	0.150697566	27.92404	-0.05062	0.214122	-0.23639	0.813133	0.999277
0.017276	0.204548181	10.5744	-0.04255	0.195073	-0.21814	0.827317	0.999277
0.192121	0.638821592	341.3839	-0.19216	0.14099	-1.36296	0.172896	0.999277
0.315153	0.747985414	97.74583	-0.25348	0.193515	-1.3099	0.190231	0.999277
0.294355	0.733827953	16.22615	-0.1956	0.208553	-0.93789	0.3483	0.999277
0.191471	0.638563236	146.7608	-0.20454	0.180301	-1.13442	0.256618	0.999277
0.296698	0.735498118	300.9196	-0.18923	0.151323	-1.25053	0.211107	0.999277
0.121099	0.533882597	3257.443	-0.18105	0.115468	-1.56795	0.116894	0.929931
0.63659	0.912524658	108.5983	-0.27234	0.194484	-1.40032	0.161417	0.999277
0.9719	0.99553873	46.0727	-0.31786	0.215287	-1.47643	0.139828	0.966938
0.000713	0.02987183	1351.257	-0.08062	0.102617	-0.78563	0.432087	0.999277
0.006045	0.115275297	736.3014	-0.0273	0.116287	-0.23476	0.814394	0.999277
0.06614	0.413684134	167.3055	-0.16002	0.180327	-0.88737	0.374882	0.999277
0.053828	0.375679925	551.9154	-0.14835	0.125225	-1.18466	0.236151	0.999277
0.011161	0.163343338	318.3145	-0.07891	0.141263	-0.5586	0.576436	0.999277
0.728398	0.938587002	576.6618	-0.28563	0.155365	-1.83843	0.065998	0.782967
0.205637	0.653576293	14.02248	-0.12957	0.199754	-0.64863	0.51658	0.999277
0.245908	0.693889675	804.6875	-0.20507	0.127145	-1.61288	0.106771	0.905256
0.018518	0.214872631	392.0931	-0.17061	0.160007	-1.06626	0.286304	0.999277
0.92497	0.985704596	23.90441	-0.30119	0.209735	-1.43605	0.150987	0.983831
0.153765	0.590116182	12.96711	-0.13148	0.199644	-0.65857	0.510173	0.999277
0.407128	0.802193291	185.1022	-0.23795	0.172263	-1.38131	0.167185	0.999277
0.000705	0.02962597	258.3798	-0.03177	0.157178	-0.20213	0.839812	0.999277
0.057078	0.385445107	102.8614	-0.14478	0.192976	-0.75026	0.453099	0.999277
0.182105	0.628216762	20.35152	-0.12311	0.21091	-0.58372	0.559408	0.999277
0.374594	0.787458382	147.6423	-0.20527	0.173483	-1.18323	0.236717	0.999277
0.236981	0.685801987	1305.826	-0.2023	0.120268	-1.68211	0.092547	0.871746
0.105772	0.504407272	670.0499	-0.18164	0.118494	-1.5329	0.1253	0.940007
0.002024	0.057306229	131.4296	-0.10828	0.185738	-0.58297	0.559916	0.999277
0.533424	0.871779365	424.4842	-0.2565	0.142424	-1.80097	0.071707	0.804391
0.331433	0.757439657	70.80354	-0.20559	0.199812	-1.0289	0.303526	0.999277
0.056973	0.385445107	159.851	-0.14187	0.171767	-0.82597	0.40882	0.999277
0.239767	0.688236474	123.956	-0.14561	0.183992	-0.79138	0.428725	0.999277
0.021451	0.232931201	615.0966	-0.13599	0.168874	-0.8053	0.420648	0.999277

0.095088	0.485130546	438.4444	-0.11168	0.144855	-0.77098	0.440721	0.999277
0.303757	0.739758551	97.59079	-0.18915	0.196856	-0.96086	0.33662	0.999277
0.259572	0.704211455	430.1156	-0.22782	0.133141	-1.71108	0.087066	0.847264
0.157057	0.595737033	21.10912	-0.13254	0.213855	-0.61975	0.53542	0.999277
0.576597	0.890535872	203.8439	-0.25027	0.181735	-1.37709	0.168485	0.999277
0.265619	0.708960825	166.7237	-0.17975	0.172559	-1.04167	0.297563	0.999277
0.08489	0.459517368	240.8931	-0.13107	0.166054	-0.78933	0.429919	0.999277
0.030303	0.279349528	53.9091	-0.15414	0.214109	-0.71989	0.471591	0.999277
0.192465	0.639447293	93.42034	-0.21928	0.198279	-1.10594	0.268752	0.999277
0.029064	0.273827696	53.80505	-0.1299	0.210495	-0.6171	0.537167	0.999277
0.017784	0.208157135	273.5739	-0.12235	0.147119	-0.83165	0.405606	0.999277
0.414453	0.807887888	9.131012	-0.20733	0.176976	-1.17154	0.241382	0.999277
0.171116	0.61239703	445.6094	-0.19118	0.135742	-1.40839	0.159017	0.999277
0.054292	0.376799536	79.70012	-0.12891	0.195689	-0.65877	0.510045	0.999277
0.164148	0.603036338	327.6358	-0.17965	0.146641	-1.22507	0.220548	0.999277
0.713774	0.935646775	395.5493	-0.28721	0.157321	-1.82563	0.067906	0.7868
0.353837	0.774326904	149.6142	-0.2185	0.188838	-1.15709	0.247237	0.999277
0.114658	0.522191284	730.942	-0.16851	0.121052	-1.39202	0.163915	0.999277
0.020743	0.228393208	2565.255	-0.07442	0.107775	-0.69055	0.489851	0.999277
1.04E-05	0.001549542	259.8156	-0.02915	0.156523	-0.18624	0.85226	0.999277
0.168485	0.609004816	150.1085	-0.14746	0.194476	-0.75822	0.448319	0.999277
0.082628	0.454148982	69.8153	-0.12293	0.20194	-0.60873	0.542705	0.999277
0.064912	0.410832827	3529.563	-0.19116	0.213035	-0.89732	0.369546	0.999277
0.074196	0.433062809	286.2014	-0.10009	0.148339	-0.67471	0.499863	0.999277
0.155716	0.594363605	272.6939	-0.16959	0.175051	-0.96878	0.332656	0.999277
0.038316	0.31778113	238.1086	-0.08173	0.17227	-0.47442	0.635203	0.999277
0.044009	0.337833053	129.9587	-0.13645	0.191358	-0.71309	0.475793	0.999277
0.017127	0.203674902	164.864	-0.00069	0.171746	-0.00403	0.996785	0.999527
0.276481	0.718088378	425.6534	-0.25567	0.147693	-1.73107	0.083439	0.83711
0.654771	0.919908379	179.8701	-0.26488	0.177916	-1.48881	0.136537	0.961317
0.033743	0.295767756	63.60484	-0.16926	0.207465	-0.81583	0.4146	0.999277
0.434816	0.817830347	359.9056	-0.23454	0.137835	-1.70161	0.088829	0.851686
0.172544	0.614219204	222.1243	-0.16163	0.163735	-0.98712	0.323584	0.999277
0.021776	0.23531107	56.64673	-0.12065	0.209688	-0.57538	0.565032	0.999277
0.000172	0.011790274	1596.317	-0.09559	0.107535	-0.88896	0.374027	0.999277
0.713125	0.935646775	13.28333	-0.26968	0.202741	-1.33016	0.183465	0.999277
0.012279	0.17168784	17.33547	-0.00012	0.209657	-0.00059	0.999527	0.999986
0.001943	0.055740773	479.7215	-0.14416	0.155239	-0.92861	0.353093	0.999277
0.074351	0.433240917	167.7621	-0.17195	0.168939	-1.01779	0.308775	0.999277
0.205941	0.65381832	94.08356	-0.21346	0.192013	-1.11167	0.26628	0.999277
0.419856	0.811450072	108.4708	-0.21098	0.193289	-1.09151	0.27505	0.999277
0.869544	0.975011477	40.80315	-0.30576	0.216025	-1.41541	0.156948	0.996626
0.066757	0.415041821	220.8262	-0.13739	0.15734	-0.8732	0.382553	0.999277
0.003556	0.084333599	117.959	-0.14132	0.187432	-0.75396	0.450873	0.999277
0.249121	0.696015371	188.4585	-0.23599	0.162635	-1.45106	0.146763	0.977404
0.120479	0.533405714	359.0496	-0.1662	0.139252	-1.1935	0.232674	0.999277
0.055153	0.379148447	51.66499	-0.13255	0.209444	-0.63287	0.526822	0.999277
0.055153	0.379148447	51.66499	-0.13255	0.209444	-0.63287	0.526822	0.999277
0.472831	0.841589306	206.0141	-0.232	0.174405	-1.33022	0.183445	0.999277
0.290784	0.730514779	280.8121	-0.23402	0.165994	-1.40983	0.158591	0.999277
0.150745	0.58443531	90.30171	-0.18282	0.198285	-0.922	0.356527	0.999277
0.457761	0.831646857	86.961	-0.26936	0.201091	-1.33952	0.180402	0.999277

0.010647	0.159172138	168.7466	-0.13723	0.164477	-0.83432	0.404101	0.999277
0.163447	0.602535736	131.6674	-0.12231	0.186039	-0.65745	0.51089	0.999277
0.273764	0.716676312	96.69719	-0.21743	0.193041	-1.12636	0.260012	0.999277
0.231375	0.681229775	194.6646	-0.20095	0.168574	-1.19205	0.233241	0.999277
0.156629	0.595337949	120.9643	-0.18125	0.181047	-1.00113	0.316765	0.999277
0.548112	0.877474855	102.1872	-0.27489	0.19443	-1.41385	0.157407	0.997795
0.05823	0.389684394	41.82828	-0.07128	0.217027	-0.32846	0.742564	0.999277
0.000129	0.009751004	1175.378	-0.03422	0.111807	-0.3061	0.759527	0.999277
0.338828	0.761707885	47.66204	-0.43862	0.213691	-2.05261	0.04011	0.666004
0.880989	0.976708667	187.6992	-0.34364	0.16493	-2.08358	0.037199	0.654005
0.049936	0.361005205	41.56185	-0.18581	0.214376	-0.86676	0.386074	0.999277
0.637424	0.912787264	907.5174	-0.26844	0.132929	-2.01945	0.043441	0.67836
0.016603	0.202349152	128.2407	-0.17314	0.177658	-0.97458	0.329769	0.999277
0.897599	0.980485882	207.6503	-0.31265	0.159666	-1.95813	0.050215	0.705298
0.003816	0.088966092	22.18874	0.081444	0.214814	0.379134	0.704588	0.999277
1.12E-05	0.001605239	1574.607	-0.0092	0.099125	-0.09277	0.926088	0.999277
0.404119	0.800156836	661.2519	-0.24468	0.140602	-1.74025	0.081815	0.833811
0.069169	0.421413527	388.3839	-0.09311	0.143086	-0.65076	0.515204	0.999277
0.701585	0.934077476	277.647	-0.28741	0.156484	-1.83671	0.066253	0.782967
0.005452	0.109745734	133.9058	-0.15919	0.180048	-0.88418	0.376601	0.999277
0.140851	0.57118319	1011.962	-0.1122	0.116247	-0.96522	0.334436	0.999277
0.133013	0.555792434	1070.648	-0.21725	0.147337	-1.47453	0.14034	0.96942
0.003326	0.080982131	16.72265	-0.0066	0.209943	-0.03146	0.974902	0.999277
0.00124	0.041922107	890.7204	-0.14495	0.139459	-1.03935	0.298643	0.999277
0.515794	0.863014533	322.4573	-0.26681	0.151394	-1.76233	0.078013	0.819387
0.001384	0.044270258	616.3928	-0.10724	0.131618	-0.81481	0.415178	0.999277
0.005631	0.112004221	263.4991	-0.09573	0.150968	-0.63409	0.526025	0.999277
0.514746	0.862555793	106.1081	-0.39884	0.190489	-2.09379	0.036279	0.648426
0.096351	0.486524812	665.1281	-0.20182	0.122652	-1.64545	0.099877	0.899753
0.005837	0.11400287	50.6967	-0.03914	0.209448	-0.18687	0.851764	0.999277
0.165734	0.605102404	2012.787	-0.13098	0.109652	-1.19452	0.232276	0.999277
0.267122	0.710146834	141.1239	-0.21522	0.189777	-1.13405	0.256775	0.999277
0.000262	0.015403272	106.5916	-0.03987	0.187142	-0.21303	0.8313	0.999277
0.054643	0.378335561	325.918	-0.14658	0.144647	-1.01338	0.310878	0.999277
0.480456	0.846258076	333.4824	-0.27524	0.176001	-1.56387	0.117849	0.929931
0.194634	0.640277663	249.3028	-0.19338	0.152952	-1.2643	0.206121	0.999277
0.006438	0.120196341	195.9943	-0.08621	0.167237	-0.51548	0.606217	0.999277
0.164281	0.603280372	127.6072	-0.17956	0.198269	-0.90564	0.365129	0.999277
1.41E-05	0.001862202	447.5437	-0.0163	0.1321	-0.12342	0.901772	0.999277
0.488389	0.850257924	53.7486	-0.26763	0.21004	-1.27416	0.202606	0.999277
0.185573	0.631890551	102.146	-0.17736	0.188673	-0.94005	0.347194	0.999277
0.732445	0.938791295	33.38913	-0.29895	0.216983	-1.37774	0.168284	0.999277
0.748161	0.942119652	855.3495	-0.29398	0.114097	-2.57663	0.009977	0.390227
0.326988	0.754362047	98.80679	-0.22596	0.200649	-1.12615	0.260101	0.999277
0.652355	0.919811662	80.8719	-0.28826	0.202001	-1.427	0.153581	0.990194
0.863631	0.9735332	13.82525	-0.3508	0.186218	-1.88383	0.059588	0.755519
0.242647	0.689768035	139.5807	-0.21304	0.184941	-1.15192	0.249355	0.999277
0.495891	0.853814273	85.61373	-0.27951	0.19751	-1.41517	0.157018	0.996626
0.016461	0.201948656	146.9722	-0.11981	0.183355	-0.65346	0.51346	0.999277
0.026938	0.262366343	472.1342	-0.12855	0.134415	-0.95637	0.338885	0.999277
0.254417	0.700275264	25.8515	-0.16906	0.216292	-0.78164	0.434424	0.999277
0.254634	0.700349317	205.6417	-0.23331	0.180671	-1.29136	0.196578	0.999277

0.000142	0.010400039	856.2322	-0.04008	0.115394	-0.34734	0.728337	0.999277
0.761744	0.946480442	130.6885	-0.36705	0.189405	-1.93791	0.052634	0.721641
0.205649	0.653576293	150.1585	-0.18573	0.170681	-1.08815	0.276531	0.999277
0.96303	0.994289023	135.4867	-0.32645	0.195665	-1.66843	0.09523	0.886455
0.035818	0.306225078	632.6683	-0.16112	0.127947	-1.25929	0.207925	0.999277
0.600323	0.899004654	453.0972	-0.27897	0.162928	-1.71225	0.08685	0.847264
0.386416	0.792576238	78.66742	-0.23663	0.203235	-1.16433	0.24429	0.999277
0.951491	0.992011384	142.1299	-0.32463	0.176834	-1.83578	0.06639	0.782967
0.381599	0.790738618	44.90789	-0.25861	0.213841	-1.20936	0.226526	0.999277
0.002176	0.06034809	136.0385	0.04252	0.177971	0.238915	0.811171	0.999277
0.425948	0.814589985	140.0309	-0.23572	0.177843	-1.32543	0.185027	0.999277
0.072605	0.430201108	25.33549	-0.10362	0.214276	-0.48356	0.628698	0.999277
0.315374	0.748243715	163.8967	-0.23816	0.189443	-1.25718	0.208688	0.999277
0.043861	0.337833053	582.1187	-0.13749	0.15604	-0.88111	0.378261	0.999277
0.000119	0.009261764	98.37228	-0.04968	0.197703	-0.25129	0.801588	0.999277
0.480053	0.846201906	367.6466	-0.27483	0.141788	-1.93832	0.052584	0.721641
0.077683	0.44194832	442.5391	-0.1633	0.161719	-1.00975	0.312614	0.999277
0.010882	0.161623099	312.1204	-0.14679	0.147488	-0.9953	0.31959	0.999277
0.069949	0.423461594	42.72448	-0.18547	0.215376	-0.86117	0.389146	0.999277
0.017202	0.204196309	14.93016	-0.08365	0.206548	-0.40499	0.685481	0.999277
0.097109	0.4870882	449.5576	-0.1745	0.135356	-1.28916	0.197341	0.999277
0.016051	0.198473106	1447.389	-0.14046	0.106599	-1.31765	0.18762	0.999277
0.008688	0.141565957	53.50716	-0.07823	0.20975	-0.37298	0.709161	0.999277
0.245718	0.693665521	432.2781	-0.20894	0.151685	-1.37744	0.168377	0.999277
0.394872	0.79659771	110.3131	-0.23388	0.207536	-1.12691	0.259779	0.999277
0.504615	0.857065235	161.1949	-0.27367	0.174375	-1.56945	0.116543	0.929931
0.059355	0.392678821	181.1682	-0.23921	0.177515	-1.34756	0.177799	0.999277
0.00135	0.043998657	229.3218	-0.15666	0.187841	-0.83398	0.404292	0.999277
0.228198	0.677661951	507.9048	-0.23382	0.148109	-1.5787	0.114405	0.929931
0.072701	0.430201108	381.0808	-0.22128	0.180825	-1.22374	0.221049	0.999277
0.542434	0.875161858	46.00813	-0.27109	0.214885	-1.26158	0.207101	0.999277
0.450877	0.826503996	215.4811	-0.2662	0.160168	-1.66198	0.096516	0.889738
0.190228	0.637982754	1015.455	-0.27866	0.131827	-2.11381	0.034532	0.639558
0.195976	0.642065159	16.19132	-0.16874	0.209267	-0.80634	0.420045	0.999277
0.013577	0.1819156	604.6799	-0.1689	0.142876	-1.18212	0.237158	0.999277
0.032621	0.289576909	253.8505	-0.10786	0.160259	-0.67306	0.500912	0.999277
0.060796	0.397109073	15.98652	-0.09522	0.208129	-0.45752	0.647296	0.999277
0.048606	0.355952482	80.63945	-0.18916	0.195493	-0.96761	0.333238	0.999277
0.254396	0.700275264	296.3095	-0.17519	0.154038	-1.1373	0.255415	0.999277
0.371558	0.785869821	119.2934	-0.20828	0.183742	-1.13354	0.256989	0.999277
0.075278	0.43596186	138.8399	-0.15457	0.189444	-0.81589	0.414561	0.999277
0.308037	0.743099434	231.2735	-0.24287	0.162903	-1.49087	0.135996	0.961317
0.643373	0.914943952	47.28484	-0.28296	0.213402	-1.32594	0.184859	0.999277
0.154913	0.592118621	185.4256	-0.19497	0.164843	-1.18274	0.23691	0.999277
0.000481	0.023381748	114.9317	0.074263	0.180481	0.411476	0.680724	0.999277
0.450877	0.826503996	215.6023	-0.26763	0.160039	-1.67226	0.094474	0.882664
0.011344	0.165004048	116.8401	-0.10465	0.196779	-0.53183	0.594844	0.999277
0.14934	0.582539588	347.1291	-0.21274	0.145429	-1.46285	0.143509	0.976872
0.065279	0.41179587	72.2761	-0.15672	0.210886	-0.74314	0.457398	0.999277
0.351096	0.772654088	826.0383	-0.26548	0.158389	-1.67614	0.093712	0.878137
0.354588	0.774326904	32.12016	-0.24567	0.216938	-1.13244	0.25745	0.999277
0.084504	0.45917504	375.7103	-0.14469	0.160299	-0.90262	0.366725	0.999277

0.089556	0.471480843	36.50638	-0.11023	0.216951	-0.50809	0.611391	0.999277
0.926684	0.985704596	762.4211	-0.34831	0.171061	-2.03616	0.041734	0.672512
0.3375	0.760158764	349.6698	-0.24004	0.166053	-1.44556	0.1483	0.979444
0.011169	0.163343338	31.90956	-0.07592	0.216988	-0.34987	0.726436	0.999277
0.140276	0.570712753	178.5213	-0.17977	0.185623	-0.96847	0.33281	0.999277
0.251484	0.697958034	197.3616	-0.22074	0.181097	-1.21892	0.222874	0.999277
0.792911	0.955280406	571.8935	-0.30206	0.126934	-2.37964	0.01733	0.480853
0.027525	0.26488605	741.8959	-0.1119	0.139031	-0.80489	0.420883	0.999277
0.909051	0.983034459	174.6976	-0.35384	0.169189	-2.09141	0.036491	0.648426
0.020857	0.229277219	96.79776	-0.15651	0.196099	-0.79813	0.424794	0.999277
2.64E-07	0.000110484	576.5155	0.037598	0.130579	0.287931	0.7734	0.999277
0.068328	0.419928815	124.9094	-0.1598	0.19309	-0.82757	0.407916	0.999277
0.337228	0.760158764	100.647	-0.23089	0.193279	-1.1946	0.232244	0.999277
0.698431	0.93369059	139.493	-0.29529	0.178911	-1.65046	0.098849	0.897017
0.053504	0.374910234	104.2751	-0.14713	0.186782	-0.7877	0.430871	0.999277
0.61423	0.905840947	109.7066	-0.2923	0.194037	-1.50644	0.131954	0.957559
0.008719	0.141565957	789.6648	-0.0347	0.117142	-0.29623	0.767051	0.999277
0.135319	0.560870885	52.53142	-0.22942	0.21357	-1.07421	0.282729	0.999277
0.091988	0.476370798	170.2261	-0.09989	0.184033	-0.54278	0.587279	0.999277
0.000186	0.01245648	42.1412	0.133893	0.214521	0.624148	0.53253	0.999277
0.771608	0.94929683	3194.101	-0.30948	0.131363	-2.3559	0.018478	0.486624
0.724553	0.937933431	163.1572	-0.30587	0.180421	-1.69531	0.090017	0.855572
0.210599	0.659576262	130.4605	-0.20553	0.182439	-1.12656	0.25993	0.999277
0.162411	0.601189469	220.7632	-0.24874	0.155736	-1.59718	0.110225	0.916679
7.57E-05	0.006783972	222.8848	-0.05828	0.153705	-0.37919	0.704545	0.999277
0.003448	0.082559903	61.4164	-0.07011	0.213484	-0.32841	0.742599	0.999277
0.082378	0.453705644	661.3594	-0.17105	0.14875	-1.14994	0.25017	0.999277
0.255428	0.701792046	804.19	-0.1973	0.116909	-1.68762	0.091485	0.864318
0.058817	0.391734866	31.65537	-0.14255	0.216648	-0.658	0.510541	0.999277
0.399644	0.79970322	106.8674	-0.24495	0.187979	-1.30307	0.192552	0.999277
0.628882	0.910993455	339.3043	-0.3756	0.142794	-2.63036	0.008529	0.375106
0.095766	0.485938912	35.93881	-0.18832	0.216699	-0.86904	0.384824	0.999277
0.839909	0.966267225	409.7948	-0.3262	0.15145	-2.15383	0.031254	0.612522
0.007145	0.128018635	97.68773	-0.09982	0.187917	-0.53119	0.595285	0.999277
0.161697	0.601189469	267.8829	-0.21611	0.164026	-1.31754	0.187656	0.999277
0.296364	0.735498118	85.18733	-0.20401	0.19667	-1.0373	0.299594	0.999277
0.147269	0.578667199	502.378	-0.18385	0.151297	-1.21516	0.224303	0.999277
0.679988	0.928722059	304.5356	-0.39223	0.172586	-2.2727	0.023045	0.533496
0.041107	0.329755944	102.231	-0.15579	0.199235	-0.78196	0.434238	0.999277
0.631353	0.911456731	171.1819	-0.28716	0.184935	-1.55275	0.120482	0.929931
0.0563	0.383568175	52.89339	-0.13253	0.209232	-0.63339	0.526478	0.999277
0.004867	0.102129912	63.76928	-0.03838	0.202708	-0.18935	0.849819	0.999277
0.251885	0.697958034	276.0892	-0.26549	0.153412	-1.73055	0.083533	0.83738
0.355678	0.774871619	90.9162	-0.2571	0.19431	-1.32317	0.185778	0.999277
0.755425	0.94451048	120.558	-0.38054	0.181594	-2.09555	0.036122	0.648426
0.662202	0.924357644	302.8582	-0.31527	0.146811	-2.14746	0.031756	0.617045
0.414393	0.807887888	23.95268	-0.26233	0.212814	-1.23269	0.217693	0.999277
0.846528	0.968350774	173.7219	-0.33294	0.167551	-1.98712	0.04691	0.690038
0.131305	0.552455019	42.12348	-0.18883	0.207176	-0.91144	0.362063	0.999277
0.382291	0.790738618	103.5673	-0.24206	0.200277	-1.20863	0.226804	0.999277
0.507799	0.85889821	100.5914	-0.28767	0.195995	-1.46773	0.142178	0.974659
0.614552	0.905840947	426.1189	-0.29416	0.13594	-2.16388	0.030473	0.607634

0.303905	0.739758551	38.33828	-0.26181	0.215673	-1.21391	0.224782	0.999277
0.447137	0.824037121	69.1786	-0.28527	0.205288	-1.3896	0.16465	0.999277
0.631589	0.911456731	65.51781	-0.29276	0.207891	-1.40826	0.159055	0.999277
0.036092	0.306769911	42.75779	-0.10881	0.215457	-0.50504	0.613532	0.999277
0.098528	0.490347179	22.19814	-0.14905	0.215406	-0.69194	0.488978	0.999277
0.221706	0.672097082	69.74279	-0.20844	0.203092	-1.02632	0.304741	0.999277
0.878318	0.976223954	159.2117	-0.32799	0.169475	-1.93531	0.052952	0.722139
0.009993	0.153190227	18.75472	-0.12238	0.209726	-0.58354	0.559532	0.999277
0.004799	0.101687682	282.9655	-0.11026	0.157025	-0.7022	0.482557	0.999277
0.228452	0.67800202	554.2465	-0.20488	0.149238	-1.37282	0.169807	0.999277
0.000208	0.013059586	12.54082	0.153635	0.193225	0.795111	0.426549	0.999277
0.005558	0.111082147	2376.718	-0.07481	0.11668	-0.64119	0.521396	0.999277
0.96383	0.994356349	222.9734	-0.35518	0.154581	-2.29772	0.021578	0.52657
0.045173	0.342308082	32.98208	-0.15477	0.216601	-0.71455	0.474889	0.999277
0.18517	0.631890551	257.3735	-0.2329	0.158513	-1.46931	0.141749	0.97436
0.059299	0.392678821	163.6747	-0.18671	0.186332	-1.00204	0.316323	0.999277
0.005948	0.114461244	78.33134	0.000174	0.201067	0.000867	0.999308	0.999986
0.174777	0.617608363	88.29867	-0.23926	0.196622	-1.21685	0.223663	0.999277
0.643499	0.914943952	443.7621	-0.40472	0.154107	-2.62623	0.008634	0.375106
0.005213	0.106213505	98.1696	-0.15074	0.18709	-0.80571	0.420408	0.999277
0.043217	0.335849873	202.7987	-0.1111	0.187149	-0.59367	0.552734	0.999277
0.185639	0.631890551	23.97249	-0.16136	0.215825	-0.74766	0.454662	0.999277
0.908289	0.982479562	379.9633	-0.36738	0.138277	-2.65686	0.007887	0.366435
0.356335	0.774871619	24.00297	-0.28751	0.21536	-1.33503	0.181865	0.999277
0.966831	0.994967341	110.7183	-0.35785	0.192041	-1.86341	0.062405	0.769615
0.001596	0.049378764	560.5714	-0.0332	0.14255	-0.23292	0.815821	0.999277
0.001961	0.056132552	9.130526	0.072935	0.17728	0.41141	0.680772	0.999277
0.147053	0.578629258	115.1993	-0.19331	0.192003	-1.00683	0.314018	0.999277
0.000197	0.012736172	500.1906	-0.06983	0.141742	-0.49265	0.622259	0.999277
0.433316	0.817250644	86.64813	-0.24073	0.201978	-1.19185	0.233321	0.999277
0.025433	0.25503218	16.20351	-0.10132	0.20636	-0.491	0.623424	0.999277
5.99E-10	6.67E-07	308.2869	0.141901	0.141986	0.9994	0.317601	0.999277
0.330744	0.757288206	116.4444	-0.25429	0.185475	-1.371	0.170374	0.999277
0.012947	0.177135169	1133.201	-0.0337	0.118628	-0.28406	0.776361	0.999277
0.547257	0.876711816	66.68117	-0.28659	0.204856	-1.39899	0.161815	0.999277
0.754776	0.944317253	149.0569	-0.32792	0.182515	-1.79666	0.07239	0.804529
5.92E-09	5.65E-06	143.2241	0.190377	0.173641	1.096384	0.272911	0.999277
0.011365	0.165126764	516.0056	-0.14143	0.134736	-1.04967	0.293869	0.999277
0.261218	0.704739708	47.9218	-0.24471	0.212845	-1.14972	0.250259	0.999277
0.038984	0.320909863	273.904	-0.13441	0.152437	-0.88175	0.37791	0.999277
0.257076	0.70233271	64.0486	-0.20876	0.205652	-1.01512	0.31005	0.999277
0.315144	0.747985414	807.943	-0.27203	0.111596	-2.43761	0.014785	0.45844
0.732685	0.938791295	850.208	-0.39157	0.146367	-2.67525	0.007467	0.364461
0.068628	0.421069867	679.9419	-0.16278	0.146501	-1.11111	0.266521	0.999277
0.423875	0.813996405	1954.919	-0.27561	0.135248	-2.0378	0.04157	0.672512
0.131077	0.55219361	358.9724	-0.21451	0.156446	-1.37113	0.170333	0.999277
0.526376	0.868304398	227.7475	-0.30739	0.187408	-1.64024	0.100956	0.899753
0.017731	0.207907364	122.6091	-0.14363	0.196705	-0.73018	0.465278	0.999277
0.096122	0.486139841	528.1834	-0.20987	0.149373	-1.40501	0.160017	0.999277
0.009232	0.146914618	586.5678	-0.14251	0.129054	-1.10426	0.269479	0.999277
0.465816	0.836780148	94.8645	-0.27028	0.189573	-1.42572	0.153948	0.990194
0.187629	0.635226724	66.58766	-0.25161	0.20659	-1.21791	0.223257	0.999277

0.007604	0.131823979	16.50055	-0.12646	0.208424	-0.60676	0.544012	0.999277
0.074765	0.434159748	188.6927	-0.17831	0.169458	-1.05224	0.292687	0.999277
0.036209	0.307110997	374.3925	-0.1501	0.137333	-1.09294	0.274422	0.999277
0.000305	0.017137892	22.66882	-0.07423	0.215545	-0.34438	0.730558	0.999277
0.397876	0.798440835	209.8619	-0.30704	0.176109	-1.74347	0.081251	0.83161
0.029617	0.275639603	94.16091	-0.15518	0.191769	-0.8092	0.418399	0.999277
0.118915	0.529564601	822.6948	-0.17246	0.141606	-1.21792	0.223253	0.999277
0.154734	0.591966435	126.2732	-0.24221	0.190065	-1.27436	0.202535	0.999277
0.316219	0.749051691	636.5496	-0.28097	0.140099	-2.00548	0.044912	0.686886
0.08822	0.467951855	115.5469	-0.11074	0.189264	-0.58509	0.558486	0.999277
0.131139	0.552278959	8630.271	-0.17902	0.104137	-1.71904	0.085607	0.84456
0.076967	0.440061399	174.1255	-0.18666	0.168638	-1.10689	0.26834	0.999277
0.037142	0.312442923	33.93194	-0.18914	0.21698	-0.8717	0.383375	0.999277
0.000162	0.011423998	46.14524	0.028046	0.213766	0.1312	0.895617	0.999277
0.062842	0.404145424	616.434	-0.17504	0.122397	-1.43006	0.152699	0.990194
0.11099	0.515233026	42.30811	-0.1803	0.213924	-0.84282	0.399331	0.999277
0.488337	0.850257924	1362.824	-0.27869	0.137467	-2.02732	0.04263	0.674178
0.434227	0.81773846	35.14498	-0.26265	0.216353	-1.214	0.224746	0.999277
0.437376	0.819027755	367.7352	-0.27543	0.173922	-1.58364	0.113275	0.925888
0.175986	0.618716863	183.9	-0.2167	0.179692	-1.20596	0.227831	0.999277
0.549579	0.878534872	170.8291	-0.43318	0.177115	-2.44578	0.014454	0.45793
0.008092	0.13762334	22.26484	-0.00445	0.214316	-0.02075	0.983445	0.999277
0.141797	0.571760959	1359.813	-0.22034	0.142111	-1.55045	0.121034	0.929931
0.000224	0.013742421	25.86603	-0.04944	0.215459	-0.22946	0.818509	0.999277
0.487961	0.850257924	165.7638	-0.29943	0.174758	-1.71339	0.08664	0.847035
0.0023	0.063006087	20.86886	0.013992	0.214367	0.065271	0.947958	0.999277
0.011917	0.169641781	862.9456	-0.21623	0.159736	-1.3537	0.175833	0.999277
0.675435	0.927604313	90.31208	-0.33313	0.19077	-1.74625	0.080768	0.83161
0.30234	0.739758551	386.067	-0.24318	0.138037	-1.76167	0.078125	0.819566
0.55932	0.883647729	91.4453	-0.30161	0.192962	-1.56307	0.118037	0.929931
0.794339	0.95537781	960.1922	-0.39157	0.154753	-2.53031	0.011396	0.411141
0.024987	0.252264739	10.21396	-0.03772	0.192493	-0.19593	0.844661	0.999277
0.675971	0.927604313	672.8285	-0.32201	0.141395	-2.27737	0.022764	0.533496
0.024945	0.252067123	29.95468	-0.09803	0.216967	-0.45181	0.651404	0.999277
0.864261	0.973827576	28.90473	-0.38416	0.216211	-1.77677	0.075606	0.814774
0.481061	0.846450746	93.93399	-0.30453	0.198633	-1.53315	0.125238	0.940007
0.016234	0.200374356	9.35012	-0.05244	0.188613	-0.27802	0.781	0.999277
0.522663	0.867020566	56.96272	-0.2935	0.208714	-1.40622	0.159659	0.999277
0.032598	0.289576909	180.8906	-0.22195	0.172281	-1.28829	0.197644	0.999277
0.094773	0.484179506	493.1542	-0.23569	0.141638	-1.664	0.096113	0.889738
8.22E-05	0.007180165	18.01586	0.018159	0.211509	0.085856	0.931581	0.999277
0.286379	0.726761168	386.6303	-0.25411	0.156555	-1.62313	0.104561	0.901603
0.312414	0.746253587	1385.018	-0.24029	0.117055	-2.05283	0.040089	0.666004
0.128716	0.547624428	22.08846	-0.26137	0.214851	-1.2165	0.223795	0.999277
0.08671	0.464143084	162.5294	-0.23782	0.178524	-1.33216	0.182808	0.999277
0.004585	0.099003807	239.5807	-0.12979	0.159848	-0.81197	0.416811	0.999277
0.006255	0.11793375	80.63657	-0.22609	0.202863	-1.1145	0.265063	0.999277
0.000599	0.02651858	210.1498	-0.154	0.160381	-0.96021	0.336952	0.999277
0.855188	0.970970725	123.8973	-0.3567	0.180517	-1.97599	0.048156	0.692543
0.000159	0.011308535	12.23534	-0.03487	0.199092	-0.17515	0.860964	0.999277
0.011154	0.163343338	292.0167	-0.18467	0.146783	-1.25815	0.208339	0.999277
0.733262	0.938791295	221.1185	-0.3268	0.166333	-1.96476	0.049442	0.700991

0.0156	0.195801797	78.211	-0.05973	0.198997	-0.30014	0.76407	0.999277
0.004579	0.099003807	239.335	-0.13216	0.159869	-0.82668	0.408421	0.999277
0.292363	0.732387143	217.6264	-0.24071	0.159518	-1.509	0.1313	0.954985
0.532544	0.871405437	104.7406	-0.31207	0.190004	-1.64244	0.100499	0.899753
0.031298	0.283766116	121.3171	-0.09155	0.189983	-0.48187	0.629901	0.999277
0.022579	0.24001622	376.7374	-0.14365	0.151367	-0.94899	0.342625	0.999277
0.001372	0.044194033	317.9171	-0.17407	0.146718	-1.18642	0.235455	0.999277
0.053535	0.374910234	242.6184	-0.19253	0.176926	-1.0882	0.276509	0.999277
0.127966	0.5473675	41.06097	-0.22082	0.215702	-1.02373	0.305964	0.999277
0.809466	0.958353056	295.1572	-0.39035	0.148183	-2.63427	0.008432	0.375106
0.072141	0.429041516	367.2435	-0.20266	0.161009	-1.2587	0.208138	0.999277
0.08757	0.466170102	34.66278	-0.19621	0.216885	-0.90469	0.365627	0.999277
0.040501	0.327112091	1440.099	-0.09732	0.116484	-0.83549	0.403442	0.999277
0.193752	0.639447293	154.6681	-0.22671	0.183954	-1.23241	0.217797	0.999277
0.129841	0.549233546	360.0744	-0.20873	0.138694	-1.50497	0.132333	0.958084
0.10449	0.501644228	207.7564	-0.17404	0.159771	-1.08929	0.276024	0.999277
0.000521	0.024268502	845.7464	0.064826	0.118419	0.547429	0.584084	0.999277
0.431989	0.816304844	276.0326	-0.31292	0.164861	-1.89806	0.057688	0.74488
0.044775	0.341810975	859.3537	-0.15677	0.132137	-1.18641	0.235461	0.999277
0.141705	0.571738371	50.03033	-0.23526	0.211061	-1.11466	0.264997	0.999277
0.129329	0.548632568	237.7987	-0.20845	0.183241	-1.13755	0.255309	0.999277
0.006278	0.118027141	338.5911	-0.2146	0.143576	-1.4947	0.134993	0.961274
0.307113	0.743099434	382.9283	-0.49257	0.159295	-3.09219	0.001987	0.187429
0.40065	0.799749836	157.0308	-0.29943	0.180358	-1.66022	0.09687	0.890143
0.066366	0.413778421	34.97177	-0.22694	0.216729	-1.04714	0.295036	0.999277
0.409345	0.803007486	93.61931	-0.31439	0.20811	-1.51069	0.130866	0.954087
0.008422	0.139647147	38.7908	-0.12006	0.215606	-0.55686	0.577626	0.999277
0.260436	0.704211455	355.5156	-0.2499	0.158816	-1.57351	0.115601	0.929931
0.00154	0.048156936	307.6693	0.005155	0.149961	0.034377	0.972576	0.999277
0.717637	0.935996695	2165.311	-0.35241	0.134291	-2.6242	0.008685	0.375106
0.375839	0.787930192	147.7118	-0.30878	0.175995	-1.7545	0.079345	0.825865
0.040219	0.325504098	123.808	-0.10665	0.179677	-0.59359	0.552787	0.999277
0.158755	0.596830002	456.2563	-0.23042	0.172017	-1.33953	0.180399	0.999277
0.015873	0.19755327	198.9651	-0.09939	0.167892	-0.592	0.55385	0.999277
0.019036	0.217113564	419.694	-0.15737	0.131312	-1.19841	0.230757	0.999277
0.019229	0.218379748	363.1621	-0.11998	0.149308	-0.80356	0.421653	0.999277
0.035502	0.304595566	185.1236	-0.18849	0.187332	-1.00621	0.314316	0.999277
0.784361	0.95302139	129.8924	-0.34727	0.188463	-1.84263	0.065383	0.781938
0.030486	0.279691374	255.3547	-0.16147	0.148217	-1.08939	0.275981	0.999277
0.04182	0.332151115	74.83599	-0.23486	0.202444	-1.16012	0.245998	0.999277
0.001617	0.049927861	77.05151	0.036717	0.207126	0.177271	0.859295	0.999277
0.304369	0.739861013	229.3251	-0.28119	0.172781	-1.62742	0.103647	0.900395
0.21769	0.6680438	97.622	-0.23456	0.194803	-1.2041	0.228552	0.999277
0.915496	0.984522157	33.87484	-0.36941	0.216814	-1.7038	0.088418	0.851686
0.615469	0.906204018	121.7262	-0.45122	0.183604	-2.45759	0.013987	0.446522
0.035318	0.303596946	183.7454	-0.15818	0.174151	-0.90832	0.36371	0.999277
0.381064	0.790279608	103.1767	-0.30002	0.19243	-1.5591	0.118974	0.929931
0.080212	0.447549	97.2464	-0.21263	0.1902	-1.11792	0.263602	0.999277
0.015915	0.197714821	570.9551	-0.23984	0.169319	-1.41649	0.156633	0.996626
0.000911	0.035112036	590.5371	-0.01163	0.144951	-0.08022	0.936065	0.999277
0.34544	0.766898242	72.19645	-0.25393	0.207299	-1.22497	0.220587	0.999277
0.307718	0.743099434	74.31548	-0.28268	0.199629	-1.41603	0.156768	0.996626

0.18821	0.635636635	854.7982	-0.23085	0.145296	-1.5888	0.112106	0.922377
0.748734	0.942226827	327.5944	-0.3394	0.160739	-2.11151	0.034728	0.639558
0.026542	0.259918902	392.0619	-0.17922	0.186831	-0.95929	0.337413	0.999277
0.362515	0.780559211	174.3524	-0.28918	0.165897	-1.74313	0.081311	0.83161
0.61159	0.904588989	65.62888	-0.33282	0.204671	-1.62614	0.103919	0.900395
0.29406	0.733749609	164.1709	-0.24292	0.166768	-1.45662	0.145222	0.977082
0.042528	0.333068766	719.077	-0.21208	0.120341	-1.76231	0.078017	0.819387
0.22503	0.674923769	9.449973	-0.20597	0.180834	-1.139	0.254701	0.999277
0.102018	0.497874638	51.53151	-0.23006	0.211219	-1.0892	0.276066	0.999277
0.188631	0.635923319	123.8968	-0.28488	0.185273	-1.53763	0.124139	0.937977
0.485376	0.84842492	9502.289	-0.30523	0.142616	-2.14023	0.032336	0.625011
0.010327	0.156685796	118.8601	-0.12506	0.178233	-0.70168	0.482877	0.999277
0.290114	0.72980043	724.9312	-0.31246	0.148874	-2.09881	0.035834	0.648032
0.431187	0.816304844	151.0191	-0.29123	0.181454	-1.60499	0.108497	0.909828
0.083362	0.455933363	12.77187	-0.14487	0.202318	-0.71605	0.473959	0.999277
0.27237	0.715514773	581.0133	-0.28198	0.142145	-1.98372	0.047287	0.690038
0.000256	0.015182915	865.6785	0.046469	0.120767	0.384785	0.700397	0.999277
0.440328	0.821185993	23.95571	-0.29256	0.214433	-1.36432	0.172466	0.999277
0.048329	0.354754578	36.22398	-0.12347	0.21702	-0.56893	0.5694	0.999277
0.488126	0.850257924	163.9649	-0.30856	0.183991	-1.67706	0.093532	0.877776
0.0013	0.043017663	404.2849	-0.18665	0.140217	-1.33117	0.183133	0.999277
0.34544	0.766898242	71.67944	-0.25875	0.207933	-1.2444	0.213351	0.999277
0.000564	0.025812353	890.3383	-0.19238	0.153606	-1.25242	0.210416	0.999277
0.200404	0.647835791	1345.338	-0.25611	0.146178	-1.75204	0.079767	0.826776
0.103698	0.500588036	122.785	-0.25183	0.177104	-1.42196	0.155039	0.991326
0.026089	0.258488419	79.32609	-0.18474	0.20845	-0.88623	0.375493	0.999277
0.203607	0.651728733	236.7527	-0.24173	0.158613	-1.52399	0.12751	0.949266
0.226354	0.675763848	159.2063	-0.26565	0.191785	-1.38512	0.166016	0.999277
0.001379	0.044270258	665.1528	-0.18431	0.128729	-1.43176	0.152211	0.987797
0.237047	0.685844525	178.478	-0.46992	0.175788	-2.6732	0.007513	0.365287
0.128335	0.547436547	326.8231	-0.203	0.169181	-1.19989	0.230182	0.999277
0.0052	0.106117678	455.4568	-0.20579	0.139073	-1.47972	0.138947	0.965395
0.077874	0.442349225	436.9736	-0.17108	0.169758	-1.00782	0.313543	0.999277
0.546044	0.876016244	88.31013	-0.45998	0.190786	-2.41096	0.015911	0.465067
0.367447	0.783695365	112.2712	-0.29867	0.182739	-1.6344	0.102174	0.899753
5.89E-05	0.00550167	78.62888	-0.09188	0.200716	-0.45778	0.647114	0.999277
0.00243	0.065759707	408.3079	-0.04148	0.154373	-0.26873	0.78814	0.999277
0.03009	0.277985761	109.9279	-0.07304	0.190029	-0.38436	0.700714	0.999277
0.069452	0.422124447	236.2813	-0.22687	0.165012	-1.37488	0.169167	0.999277
0.000863	0.033718441	351.9705	-0.0324	0.16886	-0.19187	0.847843	0.999277
0.838264	0.96567072	79.37111	-0.41413	0.199256	-2.07836	0.037676	0.657203
0.003368	0.081303821	215.1419	-0.11986	0.15659	-0.76542	0.44402	0.999277
0.050011	0.361346943	46.9596	-0.18194	0.216516	-0.84032	0.400729	0.999277
0.001281	0.042791737	118.7328	0.076058	0.186746	0.407283	0.6838	0.999277
0.317064	0.750019078	88.37933	-0.2786	0.198356	-1.40457	0.160148	0.999277
0.002271	0.06244436	795.4831	-0.12851	0.122043	-1.05296	0.292358	0.999277
0.701345	0.934077476	1294.354	-0.34901	0.11893	-2.93463	0.003339	0.252778
0.291015	0.730514779	130.2753	-0.30278	0.182127	-1.66245	0.096422	0.889738
0.426285	0.814589985	278.1183	-0.3315	0.149828	-2.21255	0.026929	0.577941
0.004467	0.097867715	45.7733	-0.12715	0.21346	-0.59567	0.551398	0.999277
0.28383	0.725004462	21.58574	-0.2887	0.214048	-1.34874	0.17742	0.999277
0.005073	0.104651998	408.1825	-0.20764	0.148524	-1.39801	0.16211	0.999277

0.130316	0.550675537	116.3097	-0.24145	0.179982	-1.34154	0.179745	0.999277
0.313126	0.746673364	83.52001	-0.31683	0.206301	-1.53578	0.124593	0.939213
0.187712	0.635226724	26.10828	-0.22864	0.212902	-1.07392	0.282858	0.999277
0.646949	0.917243642	497.2336	-0.46042	0.128854	-3.57317	0.000353	0.054592
0.433154	0.817215979	167.1715	-0.30936	0.177023	-1.7476	0.080534	0.831042
0.009395	0.148096077	134.2732	-0.20666	0.182332	-1.1334	0.257046	0.999277
0.207481	0.655474405	246.9888	-0.25949	0.184736	-1.40464	0.160128	0.999277
0.050546	0.363343646	57.65995	-0.24092	0.208685	-1.15448	0.248302	0.999277
0.000757	0.030955964	150.7215	-0.13105	0.175937	-0.74487	0.45635	0.999277
0.61611	0.9063422	115.9613	-0.34173	0.184935	-1.84785	0.064623	0.778747
0.875323	0.975929662	15.58459	-0.37691	0.203282	-1.85414	0.063719	0.774966
0.146848	0.578348884	301.5275	-0.28496	0.15977	-1.78357	0.074493	0.809906
0.019009	0.217113564	353.8338	-0.20481	0.153147	-1.33736	0.181104	0.999277
0.016768	0.202837673	752.1196	-0.16584	0.150959	-1.09856	0.271962	0.999277
0.060563	0.396827752	132.2142	-0.19448	0.183642	-1.059	0.289601	0.999277
0.359099	0.776598617	220.9549	-0.27503	0.190234	-1.44576	0.148245	0.979444
0.027283	0.263586645	115.991	-0.23261	0.199413	-1.16646	0.243429	0.999277
0.124786	0.539986779	421.9322	-0.25918	0.151167	-1.71455	0.086427	0.847035
0.235056	0.6834179	89.22775	-0.28523	0.209395	-1.36216	0.173147	0.999277
0.031313	0.283766116	33.40115	-0.21025	0.216785	-0.96986	0.332116	0.999277
0.000985	0.036348823	54.56897	-0.17844	0.20905	-0.85359	0.393333	0.999277
0.023155	0.242570091	92.52876	-0.17449	0.19356	-0.90148	0.367331	0.999277
0.251418	0.697958034	117.2059	-0.29703	0.188336	-1.5771	0.114772	0.929931
0.128765	0.547624428	424.2317	-0.30402	0.160477	-1.89446	0.058164	0.748729
0.224571	0.674591185	206.4622	-0.29302	0.166124	-1.76386	0.077756	0.819387
0.16661	0.605347196	766.6877	-0.24887	0.139593	-1.78286	0.07461	0.809906
0.034335	0.299843039	1336.615	-0.11444	0.105856	-1.08109	0.279656	0.999277
4.94E-05	0.004969549	263.3954	-0.09704	0.148274	-0.65445	0.512824	0.999277
0.00036	0.019164547	545.9895	-0.0713	0.147584	-0.48315	0.628991	0.999277
0.182073	0.628216762	574.8704	-0.26472	0.154673	-1.71148	0.086993	0.847264
0.179693	0.623888114	110.4323	-0.26439	0.190132	-1.39055	0.164362	0.999277
0.255953	0.702061462	254.255	-0.26097	0.199281	-1.30957	0.19034	0.999277
0.084609	0.459278817	476.18	-0.2857	0.14853	-1.92349	0.054418	0.729459
0.572869	0.889997702	79.00468	-0.46482	0.201809	-2.30326	0.021264	0.520955
0.408664	0.802728293	291.7716	-0.32816	0.164848	-1.99066	0.046518	0.690038
0.113565	0.519695123	189.9094	-0.23169	0.175217	-1.32232	0.186061	0.999277
0.559494	0.883752388	466.976	-0.35165	0.147234	-2.38839	0.016923	0.476532
0.004505	0.098066682	102.4989	-0.10543	0.1903	-0.55404	0.579551	0.999277
0.001799	0.05295429	315.779	-0.18428	0.144287	-1.27716	0.201546	0.999277
0.029944	0.277379279	170.5187	-0.11093	0.168659	-0.65773	0.510712	0.999277
0.006832	0.124416605	864.9208	-0.18542	0.1362	-1.36136	0.173401	0.999277
0.074804	0.434173019	61.85689	-0.21361	0.205874	-1.03756	0.299474	0.999277
0.151329	0.585982504	338.3161	-0.30424	0.159975	-1.9018	0.057197	0.740812
0.103404	0.499892244	236.1141	-0.26383	0.154239	-1.71055	0.087164	0.847569
2.13E-05	0.002540123	47.42081	0.053962	0.21234	0.254132	0.799394	0.999277
0.025876	0.257497065	28.56573	-0.19283	0.216506	-0.89064	0.373121	0.999277
0.04062	0.327813378	83.94714	-0.18952	0.19799	-0.95722	0.338458	0.999277
6.84E-06	0.00123471	380.7441	0.032728	0.142423	0.229796	0.818251	0.999277
0.539211	0.873794135	76.0238	-0.33528	0.205754	-1.62954	0.103198	0.899753
0.503291	0.856224864	27.96138	-0.31338	0.216783	-1.44557	0.148297	0.979444
0.011643	0.167519295	268.0449	-0.25725	0.146622	-1.75453	0.07934	0.825865
0.212981	0.662162147	206.2253	-0.31713	0.159867	-1.98373	0.047286	0.690038

0.000534	0.024769521	130.162	-0.03497	0.178257	-0.19615	0.844489	0.999277
0.023614	0.245257506	268.2883	-0.13985	0.15355	-0.91075	0.362428	0.999277
0.202789	0.65034978	62.8511	-0.29648	0.210166	-1.4107	0.158333	0.999277
0.390518	0.794805703	663.4745	-0.30906	0.155661	-1.98549	0.04709	0.690038
0.004276	0.095255842	538.1798	-0.2166	0.134928	-1.60532	0.108423	0.909828
0.005709	0.11289386	213.1599	-0.09297	0.161344	-0.57623	0.564461	0.999277
0.086738	0.464143084	332.6188	-0.23121	0.146241	-1.58101	0.113876	0.92907
0.888306	0.978618144	151.4731	-0.38924	0.190454	-2.04374	0.04098	0.672512
0.0048	0.101687682	228.0758	-0.1387	0.167562	-0.82776	0.407808	0.999277
0.107824	0.510188444	124.5185	-0.27283	0.180604	-1.51066	0.130875	0.954087
0.956622	0.992946445	3014.135	-0.40452	0.131863	-3.06772	0.002157	0.195033
0.664507	0.924678622	166.5217	-0.35285	0.169834	-2.07762	0.037745	0.657203
0.308328	0.743099434	199.5012	-0.342	0.168397	-2.03091	0.042264	0.672867
0.110571	0.514156037	637.3974	-0.23048	0.149034	-1.54649	0.121986	0.931737
0.442926	0.822531978	214.9896	-0.36134	0.178972	-2.019	0.043487	0.67836
0.000386	0.020061382	200.2424	-0.23594	0.163478	-1.44326	0.148948	0.98065
0.370824	0.785482522	615.0663	-0.30997	0.176365	-1.75754	0.078825	0.824868
0.000467	0.023154877	545.4573	-0.12124	0.124352	-0.97495	0.329584	0.999277
0.041603	0.331013701	421.1376	-0.1254	0.136932	-0.91581	0.359765	0.999277
0.695587	0.933115203	25.32767	-0.47507	0.216203	-2.19734	0.027996	0.586641
0.004578	0.099003807	49.37279	-0.07014	0.21072	-0.33287	0.739232	0.999277
5.26E-05	0.005109937	406.8752	-0.14543	0.131939	-1.10224	0.270357	0.999277
9.79E-07	0.000278486	47.93952	-0.01715	0.213238	-0.08042	0.935905	0.999277
0.394242	0.796246138	126.503	-0.3216	0.206763	-1.55538	0.119855	0.929931
4.13E-05	0.004276097	1426.697	-0.09136	0.138801	-0.65822	0.510396	0.999277
0.988003	0.998384791	294.6292	-0.42008	0.156714	-2.68058	0.00735	0.364449
0.072209	0.42914227	58.03877	-0.29524	0.210444	-1.40293	0.160638	0.999277
0.02027	0.225289861	959.2465	-0.16349	0.124131	-1.31705	0.187823	0.999277
0.100329	0.493280643	128.8811	-0.23291	0.203052	-1.14705	0.251363	0.999277
0.081015	0.450318708	446.4515	-0.19807	0.151775	-1.30504	0.191881	0.999277
2.86E-05	0.003189371	470.2374	-0.00372	0.13188	-0.02818	0.97752	0.999277
0.014403	0.187831092	250.865	-0.27536	0.183308	-1.50216	0.133057	0.959746
0.069093	0.421143478	223.2932	-0.26734	0.158078	-1.69121	0.090797	0.859104
0.194659	0.640277663	299.7213	-0.3382	0.154822	-2.18446	0.028928	0.595666
0.128805	0.547624428	377.0657	-0.2977	0.145066	-2.05216	0.040154	0.666004
0.157627	0.596629211	92.22211	-0.27278	0.208916	-1.30571	0.191651	0.999277
0.256281	0.702061462	98.23867	-0.3164	0.193625	-1.63408	0.102242	0.899753
0.979414	0.996602004	250.1164	-0.42749	0.173718	-2.46085	0.013861	0.444708
0.14242	0.571875272	90.04645	-0.27092	0.191792	-1.41255	0.157787	0.997795
0.03763	0.314791755	111.493	-0.20343	0.189516	-1.0734	0.283093	0.999277
3.38E-07	0.000129161	13.7352	0.139376	0.202407	0.688595	0.491078	0.999277
0.001803	0.052968854	40.09096	-0.10066	0.215309	-0.46752	0.640126	0.999277
0.008339	0.138979199	71.43918	-0.20553	0.208482	-0.98585	0.324206	0.999277
0.081575	0.45155766	278.2265	-0.22198	0.178952	-1.24047	0.214801	0.999277
0.014966	0.191435598	52.91167	-0.07776	0.212676	-0.36565	0.714629	0.999277
0.023203	0.242881947	44.72232	-0.19683	0.212464	-0.92641	0.354231	0.999277
0.108803	0.511383551	96.98166	-0.23595	0.192344	-1.2267	0.219934	0.999277
2.75E-07	0.000111414	34.97239	-0.01296	0.216756	-0.05977	0.952339	0.999277
0.000584	0.026206013	40.32637	0.012096	0.214801	0.056313	0.955093	0.999277
2.09E-07	9.32E-05	29.31116	0.000362	0.217008	0.001667	0.99867	0.999986
0.310439	0.744596715	2134.096	-0.29711	0.15719	-1.89014	0.058739	0.752489
0.006479	0.120620851	65.62676	-0.17507	0.21678	-0.80761	0.419312	0.999277

0.004798	0.101687682	75.79254	-0.20598	0.197045	-1.04533	0.29587	0.999277
0.239868	0.688236474	33.20568	-0.28127	0.216821	-1.29723	0.194552	0.999277
0.903926	0.982298099	395.4067	-0.41525	0.144578	-2.87214	0.004077	0.283178
0.300139	0.738416476	32.7972	-0.3339	0.217019	-1.53859	0.123905	0.936772
0.046241	0.346275218	51.07334	-0.16763	0.210939	-0.79467	0.426804	0.999277
0.015393	0.194298994	103.4395	-0.20516	0.196562	-1.04375	0.296602	0.999277
0.054719	0.378393013	92.1156	-0.21749	0.20928	-1.03925	0.298691	0.999277
0.030371	0.279438008	556.4395	-0.22995	0.141413	-1.6261	0.103928	0.900395
0.92321	0.985704596	781.9942	-0.42127	0.145566	-2.89403	0.003803	0.270667
8.81E-06	0.001435597	8.99703	0.152857	0.172499	0.886132	0.375546	0.999277
0.131028	0.552161171	717.4734	-0.25419	0.141332	-1.79856	0.072089	0.804391
0.193042	0.639447293	83.01093	-0.33261	0.200663	-1.65755	0.097409	0.891051
0.328763	0.755404931	208.6907	-0.49189	0.165218	-2.97722	0.002909	0.236705
0.276133	0.717891813	74.61861	-0.32513	0.201664	-1.61224	0.106909	0.905256
0.083491	0.456095855	205.7385	-0.2842	0.165169	-1.72068	0.085308	0.84456
0.031761	0.286086273	50.62622	-0.12178	0.215894	-0.56408	0.572698	0.999277
0.089746	0.472298529	360.6055	-0.29782	0.144309	-2.06379	0.039037	0.661945
0.426014	0.814589985	238.1857	-0.37022	0.185452	-1.9963	0.045901	0.687973
0.552193	0.880447357	1308.47	-0.36625	0.116652	-3.13968	0.001691	0.169681
0.008325	0.138933154	494.9455	-0.24565	0.148034	-1.6594	0.097035	0.890143
0.000384	0.020030328	34.77151	-0.13043	0.216763	-0.60173	0.547355	0.999277
1.22E-11	3.82E-08	33.39972	0.209147	0.216558	0.965776	0.334156	0.999277
0.010582	0.158984594	172.4639	-0.15964	0.180751	-0.88322	0.377119	0.999277
0.139029	0.567481859	485.4322	-0.25172	0.130243	-1.93267	0.053277	0.722621
0.002866	0.073435846	57.42443	-0.16946	0.208496	-0.81276	0.416357	0.999277
0.210785	0.659747629	13.96289	-0.25649	0.202503	-1.26661	0.205296	0.999277
0.222956	0.673105236	342.1462	-0.32868	0.139823	-2.35071	0.018737	0.490098
0.029521	0.275559843	9.569965	-0.15267	0.189921	-0.80384	0.421488	0.999277
0.191309	0.638510137	1208.186	-0.3478	0.160418	-2.16808	0.030153	0.607634
0.000264	0.015425148	129.0896	-0.16237	0.187587	-0.86558	0.386718	0.999277
0.00425	0.09499361	66.75045	-0.11824	0.209031	-0.56564	0.571641	0.999277
0.001288	0.042919713	307.1941	-0.19583	0.185241	-1.05714	0.290446	0.999277
0.032723	0.290061411	159.3566	-0.30133	0.177329	-1.69925	0.089272	0.851686
0.00042	0.021426239	237.8571	-0.24236	0.165985	-1.46012	0.144257	0.977082
0.081751	0.451741325	79.65295	-0.18835	0.199078	-0.94609	0.344102	0.999277
0.00676	0.12378129	117.703	-0.26843	0.189588	-1.41587	0.156814	0.996626
0.000167	0.011597305	225.1606	-0.165	0.160328	-1.02915	0.303408	0.999277
0.000341	0.018565348	399.2586	-0.16095	0.155164	-1.03731	0.299591	0.999277
0.513558	0.862295391	672.1852	-0.37855	0.131326	-2.88251	0.003945	0.277097
0.002776	0.071924953	44.44965	-0.04407	0.214888	-0.20508	0.83751	0.999277
0.153079	0.589176034	2093.18	-0.2801	0.153412	-1.82582	0.067878	0.7868
0.002784	0.071986841	11.17168	-0.02435	0.19456	-0.12513	0.900419	0.999277
0.634635	0.91246753	71.23253	-0.38118	0.214474	-1.77729	0.07552	0.814774
0.081734	0.451741325	221.6125	-0.19471	0.173929	-1.11949	0.262929	0.999277
4.29E-05	0.004407247	368.6288	-0.21559	0.16021	-1.34565	0.178416	0.999277
0.657632	0.921426159	660.7759	-0.40264	0.130559	-3.08394	0.002043	0.190106
0.193855	0.639447293	115.7292	-0.29764	0.185509	-1.60443	0.10862	0.909828
0.001105	0.038972953	153.8939	-0.2348	0.170448	-1.37755	0.168343	0.999277
8.53E-05	0.007401176	177.6083	-0.2016	0.179935	-1.12041	0.262541	0.999277
0.50758	0.858838724	297.4802	-0.3867	0.15324	-2.52352	0.011619	0.411141
0.079111	0.445187123	256.5058	-0.2598	0.158218	-1.64201	0.100588	0.899753
0.253337	0.699225903	191586.3	-0.31204	0.209846	-1.48699	0.137017	0.961317

0.106441	0.506151696	91.26413	-0.30957	0.198981	-1.55577	0.119763	0.929931
0.263168	0.706507506	650.8259	-0.29596	0.156199	-1.89476	0.058124	0.748729
0.1061	0.505251202	790.8988	-0.29819	0.126269	-2.36157	0.018198	0.486294
0.682287	0.930003696	284.0892	-0.48183	0.145983	-3.30059	0.000965	0.11506
0.068821	0.421069867	302.6135	-0.29666	0.152985	-1.93915	0.052483	0.721135
0.286983	0.727360221	766.5601	-0.3449	0.168104	-2.05169	0.0402	0.666004
0.122056	0.535157912	215.3692	-0.33101	0.162675	-2.03482	0.041869	0.672512
0.706936	0.93479128	86.11736	-0.48521	0.195136	-2.48651	0.0129	0.428018
0.039	0.320909863	12.77136	-0.18079	0.196716	-0.91903	0.358079	0.999277
3.48E-05	0.003719999	42.10575	0.150802	0.216617	0.696171	0.486322	0.999277
0.000556	0.025608997	185.6339	-0.08128	0.167515	-0.48524	0.62751	0.999277
0.02441	0.249486288	904.5289	-0.27135	0.138092	-1.96502	0.049412	0.700991
0.359104	0.776598617	39.02995	-0.32341	0.215606	-1.50001	0.133613	0.96056
8.69E-05	0.007491201	1883.723	-0.22761	0.216118	-1.05318	0.292259	0.999277
0.053959	0.375679925	29.66749	-0.2654	0.216974	-1.2232	0.221253	0.999277
1.04E-05	0.001549542	18.62531	-0.08958	0.211109	-0.42431	0.67134	0.999277
0.130314	0.550675537	39.3744	-0.23568	0.215039	-1.09598	0.273088	0.999277
0.035949	0.306265321	390.4749	-0.24761	0.140886	-1.75754	0.078826	0.824868
0.065848	0.413509306	161.3217	-0.25439	0.174854	-1.45486	0.145707	0.977082
0.391675	0.794949112	96.02802	-0.37076	0.198057	-1.87199	0.061208	0.763771
0.129648	0.549048329	47.60312	-0.27993	0.212424	-1.31777	0.187581	0.999277
0.028375	0.270077083	79.92946	-0.20527	0.197689	-1.03837	0.299098	0.999277
0.025075	0.25277605	337.8201	-0.31823	0.177081	-1.79711	0.072318	0.804529
9.08E-05	0.007633059	10.8589	0.067444	0.195204	0.345506	0.729714	0.999277
0.035647	0.305055044	53.94974	-0.22872	0.210708	-1.08548	0.277711	0.999277
0.016725	0.202691375	4481.525	-0.27884	0.109959	-2.53581	0.011219	0.411058
0.121963	0.535046022	104.0513	-0.27967	0.193046	-1.44872	0.147415	0.978824
0.004182	0.093791171	351.536	-0.23139	0.140758	-1.64388	0.1002	0.899753
0.000162	0.011423998	43.35507	-0.16345	0.216641	-0.75448	0.450559	0.999277
0.248987	0.696015371	384.6361	-0.31957	0.158683	-2.01391	0.044019	0.680246
0.007144	0.128018635	18.17768	-0.1592	0.210929	-0.75476	0.450393	0.999277
0.021389	0.232635739	1167.896	-0.19577	0.122821	-1.59392	0.110955	0.91748
2.46E-06	0.000556532	627.4926	-0.15909	0.138812	-1.14609	0.251757	0.999277
0.083448	0.456095855	110.6875	-0.29865	0.211053	-1.41506	0.157051	0.996626
5.15E-05	0.005100505	417.6272	-0.04348	0.130239	-0.33388	0.738467	0.999277
0.426038	0.814589985	298.0525	-0.37107	0.145678	-2.54718	0.01086	0.403763
0.000475	0.023269938	359.8717	-0.02727	0.14721	-0.18525	0.853035	0.999277
0.002692	0.07055366	73.96597	-0.16417	0.199896	-0.82127	0.411492	0.999277
0.007413	0.130732514	229.7648	-0.26177	0.168853	-1.55027	0.121077	0.929931
0.424218	0.813996405	392.1514	-0.35234	0.155559	-2.26498	0.023514	0.533496
0.05666	0.384967357	185.5183	-0.21787	0.165032	-1.32019	0.186771	0.999277
0.023705	0.245556654	188.01	-0.29579	0.17668	-1.67415	0.094101	0.880483
0.074129	0.433062809	228.2778	-0.2809	0.160275	-1.75258	0.079674	0.826776
0.728121	0.938587002	85.18651	-0.42337	0.209156	-2.02418	0.042952	0.675652
0.147312	0.578667199	103.3449	-0.3871	0.190491	-2.03212	0.042142	0.672512
0.568002	0.888146309	190.5806	-0.39022	0.168721	-2.3128	0.020734	0.519003
0.271051	0.713936492	97.78672	-0.32532	0.191704	-1.69697	0.089703	0.85387
5.39E-05	0.005109937	159.5692	-0.04543	0.16959	-0.26791	0.788771	0.999277
0.097614	0.487958366	247.9949	-0.30645	0.168971	-1.81364	0.069733	0.796295
0.185854	0.631978059	591.7148	-0.3547	0.137671	-2.57641	0.009983	0.390227
0.744259	0.940717284	144.6819	-0.49951	0.197994	-2.52286	0.01164	0.411141
0.004306	0.095766228	1350.043	-0.15565	0.101669	-1.53097	0.125776	0.942444

0.746396	0.941321938	579.3298	-0.50292	0.136514	-3.68404	0.00023	0.040873
0.060089	0.395474077	694.7248	-0.33077	0.14542	-2.27459	0.022931	0.533496
0.190903	0.63818851	454.4306	-0.33981	0.139226	-2.44068	0.01466	0.45844
0.017724	0.207907364	634.2551	-0.2342	0.135007	-1.73475	0.082784	0.83449
0.005898	0.11400287	70.2963	-0.13411	0.199705	-0.67154	0.501875	0.999277
1.75E-06	0.000432469	49.20616	0.01808	0.216465	0.083523	0.933436	0.999277
0.011159	0.163343338	339.4721	-0.30198	0.156078	-1.93481	0.053014	0.722139
0.00045	0.022527411	122.1993	-0.15549	0.203133	-0.76546	0.444	0.999277
0.131973	0.554559157	596.6716	-0.35734	0.157868	-2.26351	0.023604	0.533496
6.62E-06	0.001211493	557.229	-0.08944	0.124329	-0.71936	0.471918	0.999277
0.002491	0.067001372	219.1371	-0.20696	0.169621	-1.22014	0.222411	0.999277
0.020502	0.22667531	972.4649	-0.22888	0.15699	-1.45792	0.144864	0.977082
0.020328	0.225501097	25.56769	-0.26111	0.215743	-1.2103	0.226162	0.999277
0.030251	0.279063303	10.90139	-0.17582	0.193069	-0.91066	0.362472	0.999277
6.13E-06	0.001138729	122.6746	0.061791	0.199713	0.309399	0.757018	0.999277
0.849473	0.969261699	13.00772	-0.52107	0.198904	-2.6197	0.008801	0.37572
1.97E-06	0.00047045	103.9702	0.084134	0.190052	0.442688	0.657991	0.999277
0.099206	0.491241978	2406.091	-0.38213	0.203979	-1.87339	0.061015	0.763653
0.180774	0.626012099	1392.068	-0.40019	0.156812	-2.55204	0.010709	0.40181
0.386558	0.792661846	257.4104	-0.40188	0.160903	-2.49767	0.012501	0.42787
0.01085	0.161510573	58.65988	-0.27615	0.214876	-1.28517	0.198731	0.999277
0.012783	0.175967166	163.7529	-0.3186	0.168173	-1.8945	0.058158	0.748729
0.042405	0.333068766	481.5795	-0.2317	0.134863	-1.71806	0.085786	0.84456
0.000271	0.015730638	59.47947	-0.24971	0.210944	-1.18377	0.236503	0.999277
0.743527	0.940717284	117.1619	-0.52998	0.196079	-2.70286	0.006875	0.359805
0.04782	0.351988901	36.52759	-0.26754	0.216708	-1.23455	0.216999	0.999277
0.000852	0.033579501	496.6484	-0.23351	0.124007	-1.88301	0.059698	0.756124
0.136633	0.563112253	30.46665	-0.29921	0.216882	-1.37958	0.167716	0.999277
0.054479	0.377709857	212.9194	-0.29149	0.182866	-1.59403	0.11093	0.91748
0.068154	0.419243066	135.4825	-0.34931	0.183624	-1.9023	0.057132	0.740812
0.055016	0.379148447	589.9709	-0.38909	0.141387	-2.75195	0.005924	0.338399
2.50E-06	0.000557601	136.8591	-0.18333	0.183205	-1.0007	0.316971	0.999277
0.000835	0.033093416	171.9503	-0.22003	0.173746	-1.2664	0.20537	0.999277
0.304041	0.739758551	16.05599	-0.38673	0.203019	-1.90489	0.056795	0.740613
8.04E-08	4.48E-05	17.89695	0.273584	0.209452	1.306188	0.191489	0.999277
0.070186	0.423979758	91.55754	-0.36612	0.212174	-1.72555	0.084429	0.841745
0.000226	0.013823552	38.60466	-0.01888	0.214805	-0.08791	0.929951	0.999277
0.514436	0.862555793	218.5705	-0.44043	0.185524	-2.374	0.017597	0.480853
0.162166	0.601189469	16.23836	-0.3185	0.204971	-1.55387	0.120216	0.929931
8.59E-09	7.17E-06	297.53	-0.15858	0.14503	-1.09344	0.274202	0.999277
0.150881	0.584757299	1301.317	-0.36148	0.129086	-2.80032	0.005105	0.321516
0.00165	0.050463122	210.4445	-0.09276	0.156779	-0.59165	0.554086	0.999277
0.699427	0.933914128	3497.398	-0.55	0.151313	-3.63483	0.000278	0.046883
0.000905	0.035012796	949.7651	-0.12344	0.145129	-0.85055	0.395022	0.999277
0.087915	0.467077007	197.8344	-0.32724	0.164334	-1.99133	0.046445	0.689909
0.025036	0.252574255	642.2367	-0.23407	0.138283	-1.69267	0.090518	0.858391
0.054246	0.376679136	87.01562	-0.31448	0.200501	-1.56845	0.116776	0.929931
0.844472	0.967713968	219.959	-0.50123	0.162547	-3.08358	0.002045	0.190106
0.016845	0.203222327	682.3927	-0.2747	0.131112	-2.09515	0.036158	0.648426
0.580995	0.892820666	600.3277	-0.56619	0.17275	-3.27751	0.001047	0.12258
0.057945	0.388443491	847.806	-0.37557	0.150706	-2.49209	0.012699	0.428018
0.003671	0.086385696	1343.344	-0.19886	0.122995	-1.61684	0.105912	0.903395

0.007402	0.130698583	16.89463	-0.18499	0.207693	-0.89069	0.373095	0.999277
0.020584	0.227018832	141.2147	-0.26638	0.178749	-1.49026	0.136155	0.961317
0.000345	0.018669258	143.3543	-0.32389	0.179057	-1.80884	0.070475	0.799713
0.000587	0.026229784	131.3184	-0.09498	0.179901	-0.52798	0.597513	0.999277
0.009515	0.149333589	129.3357	-0.27568	0.190584	-1.44648	0.148042	0.979444
0.779738	0.951422339	65.23252	-0.50206	0.208009	-2.41366	0.015793	0.465067
4.95E-07	0.000180202	22.55459	-0.06255	0.215616	-0.2901	0.771743	0.999277
0.991293	0.998538548	193.5205	-0.53353	0.171088	-3.11845	0.001818	0.175435
0.000577	0.026086234	621.0918	-0.2355	0.15015	-1.56846	0.116773	0.929931
0.905064	0.982337683	299.4113	-0.52249	0.176333	-2.96312	0.003045	0.24212
0.23896	0.687956644	73.58373	-0.4184	0.199017	-2.10232	0.035525	0.644486
4.30E-10	5.75E-07	2135.093	-0.00154	0.120276	-0.01284	0.989755	0.999277
0.004124	0.092734767	326.6233	-0.26654	0.144702	-1.84198	0.065478	0.782327
0.854603	0.970614062	34.86362	-0.52341	0.216942	-2.41269	0.015835	0.465067
0.382465	0.790738618	544.6064	-0.45574	0.138619	-3.28774	0.00101	0.119315
0.429352	0.815457184	273.0411	-0.62865	0.176707	-3.5576	0.000374	0.055658
0.011306	0.164981336	94.30839	-0.38293	0.193991	-1.97397	0.048385	0.692668
0.065299	0.41179587	302.5239	-0.37997	0.149495	-2.54169	0.011032	0.405918
0.000788	0.03180483	204.8785	-0.25281	0.167271	-1.51141	0.130685	0.954087
0.011154	0.163343338	796.9917	-0.3202	0.155556	-2.05845	0.039547	0.665714
0.077903	0.442349225	36.08484	-0.37207	0.216703	-1.71696	0.085987	0.845223
0.252934	0.698690303	251.8858	-0.41215	0.159093	-2.59061	0.00958	0.38569
0.158795	0.596830002	34.15005	-0.36932	0.216978	-1.70212	0.088733	0.851686
1.03E-06	0.000288114	59.97493	-0.1131	0.213273	-0.53032	0.595891	0.999277
0.023046	0.241988495	44.47682	-0.34592	0.214885	-1.60977	0.107447	0.907308
0.143052	0.572229119	246.6061	-0.40201	0.166987	-2.40745	0.016065	0.467908
0.053624	0.37515995	185.109	-0.36472	0.179517	-2.03166	0.042188	0.672512
0.224903	0.674923769	136.7819	-0.46301	0.182755	-2.5335	0.011293	0.411141
0.000291	0.016537193	129.9163	-0.27383	0.180605	-1.51616	0.129479	0.952195
5.29E-07	0.000186179	1177.635	-0.1921	0.110817	-1.73348	0.083011	0.835466
0.001213	0.041471575	84.90568	-0.21381	0.199454	-1.07198	0.28373	0.999277
0.141124	0.57119039	546.5059	-0.49041	0.145602	-3.36814	0.000757	0.098622
2.42E-08	1.80E-05	302.2282	-0.151	0.140374	-1.07567	0.282077	0.999277
0.018567	0.215051949	88.59606	-0.30656	0.208051	-1.47347	0.140624	0.970319
0.041388	0.330484098	94.79996	-0.3792	0.197547	-1.91955	0.054915	0.729914
2.23E-05	0.002638801	54.18445	-0.10903	0.20857	-0.52277	0.601135	0.999277
0.132012	0.554559157	408.1843	-0.40339	0.143336	-2.81429	0.004889	0.3121
0.00039	0.020126464	63.82383	-0.20116	0.205251	-0.98008	0.327049	0.999277
0.036167	0.306945564	114.4963	-0.3804	0.186267	-2.0422	0.041131	0.672512
0.009307	0.14721915	186.477	-0.23695	0.180358	-1.31375	0.18893	0.999277
5.93E-08	3.60E-05	80.33195	-0.16514	0.196869	-0.83884	0.401561	0.999277
0.035882	0.306225112	134.5819	-0.38024	0.180903	-2.10191	0.035561	0.644486
0.129659	0.549048329	134.3725	-0.46231	0.185839	-2.48768	0.012858	0.428018
0.00394	0.090353526	66.86743	-0.3565	0.202253	-1.76263	0.077963	0.819387
0.003609	0.085233899	157.0883	-0.2146	0.167608	-1.28036	0.20042	0.999277
0.001139	0.039772802	441.6755	-0.18924	0.16025	-1.18092	0.237633	0.999277
0.478594	0.844312989	184.8372	-0.50845	0.181251	-2.80523	0.005028	0.319398
0.020036	0.224131956	56.6573	-0.35455	0.213097	-1.66382	0.096149	0.889738
0.000195	0.012695871	341.6754	-0.29315	0.171022	-1.71412	0.086507	0.847035
0.000772	0.031284996	136.7935	-0.20938	0.183618	-1.14028	0.254169	0.999277
0.992507	0.998538548	375.0937	-0.60452	0.140076	-4.31564	1.59E-05	0.004624
0.5871	0.894310786	63.19946	-0.64944	0.205192	-3.16502	0.001551	0.158518

0.158208	0.596830002	605.301	-0.51283	0.138184	-3.71122	0.000206	0.037248
0.001901	0.054992986	68.16408	-0.30133	0.202341	-1.48923	0.136426	0.961317
0.765394	0.947712044	285.4168	-0.58208	0.159441	-3.65074	0.000261	0.045279
0.399632	0.79970322	1115.378	-0.54929	0.157213	-3.49396	0.000476	0.069954
0.789869	0.954486972	4142.948	-0.64614	0.149806	-4.31317	1.61E-05	0.004624
2.60E-05	0.002949415	14.79443	-0.00646	0.206322	-0.03133	0.975006	0.999277
0.001937	0.055669521	308.4907	-0.34075	0.150847	-2.25894	0.023887	0.533496
0.000257	0.015182915	30.65574	-0.10166	0.215081	-0.47266	0.636453	0.999277
0.032081	0.287414751	489.4083	-0.45078	0.166427	-2.70855	0.006758	0.358925
0.153006	0.58906451	18.90903	-0.44519	0.200828	-2.21676	0.02664	0.57368
0.014853	0.190902506	419.3006	-0.36022	0.152755	-2.35815	0.018366	0.486294
0.185007	0.631890551	628.4675	-0.46244	0.129077	-3.58269	0.00034	0.053735
0.836341	0.965088948	145.7005	-0.67018	0.184238	-3.63761	0.000275	0.046883
0.882297	0.976939501	218.834	-0.66846	0.159917	-4.18007	2.91E-05	0.007838
0.127548	0.546564891	178.7658	-0.46957	0.172894	-2.71592	0.006609	0.35552
0.000489	0.023584805	15.19701	-0.3381	0.203907	-1.6581	0.097297	0.891051
0.00018	0.0120789	491.1346	-0.31915	0.153032	-2.08554	0.03702	0.651772
7.33E-11	1.63E-07	378.6082	-0.20561	0.138241	-1.48735	0.136922	0.961317
0.005718	0.11289386	100.7163	-0.41348	0.194823	-2.12233	0.03381	0.637349
0.005562	0.111082147	585.7893	-0.40196	0.146516	-2.74345	0.00608	0.344634
0.074736	0.434159748	89.08001	-0.5679	0.198734	-2.8576	0.004269	0.286337
0.004604	0.099086145	29.75108	-0.35113	0.217015	-1.61799	0.105664	0.903164
0.000108	0.0086025	16.15381	-0.27418	0.202686	-1.35276	0.176134	0.999277
3.63E-05	0.003854907	40.64117	-0.40218	0.216383	-1.85863	0.063079	0.772973
0.001017	0.036950527	84.4469	-0.28655	0.197016	-1.45445	0.145823	0.977082
0.017752	0.207962678	53.49445	-0.48624	0.215641	-2.25487	0.024141	0.53633
0.11035	0.514156037	25.54415	-0.49401	0.212042	-2.3298	0.019817	0.504033
1.18E-05	0.001623731	325.6277	-0.35776	0.14895	-2.40186	0.016312	0.471847
0.51435	0.862555793	169.331	-0.63874	0.187	-3.41575	0.000636	0.086458
0.058814	0.391734866	250.9154	-0.6027	0.167346	-3.60154	0.000316	0.050618
0.56528	0.886634926	49.20099	-0.81243	0.214324	-3.79065	0.00015	0.029418
7.19E-07	0.000223505	183.9126	-0.33078	0.186859	-1.77018	0.076697	0.819234
0.000135	0.010040562	62.46608	-0.39744	0.205178	-1.93705	0.05274	0.722139
0.003909	0.09008559	243.7246	-0.46414	0.189245	-2.45257	0.014184	0.451637
0.104331	0.501644228	21478.95	-0.58359	0.203946	-2.86148	0.004217	0.286337
0.017999	0.210492192	296.7735	-0.56845	0.215812	-2.63398	0.008439	0.375106
0.003049	0.076179259	88.99779	-0.61305	0.199769	-3.06881	0.002149	0.195033
0.035245	0.303360515	4162.221	-0.61229	0.118544	-5.16509	2.40E-07	0.000138
0.002672	0.070434756	1375.533	-0.50903	0.117214	-4.34277	1.41E-05	0.004235
0.45878	0.832244861	47.55325	-0.78445	0.214234	-3.66166	0.000251	0.043996
0.064596	0.409995189	510.8162	-0.66017	0.163006	-4.04996	5.12E-05	0.011992
0.071594	0.427602729	169.4369	-0.77994	0.172806	-4.51339	6.38E-06	0.002304
2.39E-05	0.002775751	5578.795	-0.59275	0.146777	-4.03844	5.38E-05	0.012367
1.54E-05	0.001993342	83.14147	-0.56344	0.1961	-2.87323	0.004063	0.283178
0.05907	0.391852183	651.6157	-0.87955	0.159392	-5.51818	3.43E-08	3.33E-05
0.561089	0.884505763	201.5677	-0.94051	0.177112	-5.31023	1.09E-07	7.69E-05
0.038899	0.320909863	1340.944	-0.80804	0.155216	-5.2059	1.93E-07	0.000116
0.031759	0.286086273	102.9449	-0.95643	0.192653	-4.96453	6.89E-07	0.000363
0.081663	0.451665352	381.2969	-1.05525	0.175513	-6.01236	1.83E-09	2.42E-06
0.107	0.507366617	534.0704	-1.61582	0.162776	-9.92665	3.19E-23	1.34E-19
0.040787	0.32858674	71.3027	-1.12706	0.205869	-5.47465	4.38E-08	3.46E-05
0.04444	0.339973384	932.6432	-1.34925	0.162221	-8.31734	9.00E-17	2.27E-13

0.0219	0.235633562	198.8479	-1.83772	0.173996	-10.5618	4.48E-26	2.83E-22
0.021824	0.235508283	286.3803	-1.86986	0.164492	-11.3674	6.07E-30	7.68E-26

L25b mimics vs control.				
FoldChange_T-RNA	FoldChange_RIP	RIP/T-RNA	Log2FoldChangeRIP_RNA	
0.88017649	2.195546387	2.494439	1.318715	
0.817772595	2.039167385	2.493563	1.318209	
0.721584309	1.786338616	2.475579	1.307766	
0.761864559	1.865464041	2.448551	1.291928	
0.927406967	2.193917312	2.365647	1.242235	
0.900921232	2.066696435	2.293981	1.197854	
0.868677125	1.964663389	2.261673	1.17739	
1.017533938	2.201341116	2.163408	1.113306	
0.991657479	2.051006257	2.068261	1.048418	
0.923680868	1.833294067	1.98477	0.988972	
0.914501956	1.811759119	1.981143	0.986333	
0.773632117	1.521305676	1.966446	0.97559	
0.86699117	1.696532709	1.956805	0.9685	
0.66049992	1.284075968	1.944097	0.9591	
0.694436262	1.344975384	1.936787	0.953666	
0.814184683	1.575560514	1.935139	0.952437	
0.821068617	1.572348196	1.915002	0.937346	
0.925086095	1.744583406	1.885861	0.915223	
0.756110129	1.418784668	1.876426	0.907987	
0.703096767	1.318520651	1.875305	0.907125	
0.600037773	1.118308871	1.863731	0.898193	
1.045420269	1.944378231	1.859901	0.895226	
0.712427834	1.320010343	1.852834	0.889733	
1.088312292	1.997883146	1.835763	0.87638	
0.78544383	1.439803301	1.833108	0.874292	
0.712288888	1.284961344	1.803989	0.851191	
0.67390281	1.213723737	1.801037	0.848828	
0.698255002	1.25741029	1.80079	0.84863	
1.027077363	1.849022624	1.800276	0.848218	
0.891186585	1.591355988	1.78566	0.836457	
1.059113389	1.886056535	1.780788	0.832516	
0.940446989	1.657935648	1.762923	0.817969	
0.840418851	1.477773644	1.758378	0.814245	
0.764461224	1.340378777	1.753364	0.810126	
0.816707791	1.431466904	1.752728	0.809602	
0.826004602	1.445684878	1.750214	0.807531	
0.914499051	1.596964576	1.746273	0.804279	
0.849269205	1.47826666	1.740634	0.799613	
0.691283315	1.202642168	1.739724	0.798858	
0.886210043	1.539792471	1.737503	0.797015	
0.890533182	1.546940983	1.737095	0.796677	
0.737512258	1.277543576	1.732234	0.792634	
0.648896862	1.123351783	1.731172	0.791749	
0.848688029	1.466868366	1.728395	0.789433	
0.892920604	1.541231088	1.726056	0.787479	
0.873673259	1.500977328	1.718008	0.780736	
1.035238988	1.767476917	1.707313	0.771728	
0.899846923	1.532140117	1.702668	0.767797	
0.804940974	1.367456343	1.698828	0.76454	
0.841126938	1.428633992	1.698476	0.764241	

0.819592428	1.386362321	1.691527	0.758326
0.833608777	1.402639285	1.682611	0.750702
0.754110384	1.267410404	1.68067	0.749036
0.912592224	1.529908936	1.676443	0.745404
0.95559471	1.596678934	1.670875	0.740603
0.941249172	1.570747929	1.668791	0.738803
0.705612521	1.175779457	1.666325	0.736669
1.010119384	1.682321044	1.665468	0.735927
0.579736581	0.964952113	1.664466	0.73506
0.769295397	1.274157481	1.656266	0.727934
1.060010364	1.749853163	1.650789	0.723155
0.950269743	1.564409745	1.64628	0.719209
0.758552306	1.247690521	1.644831	0.71794
0.983621896	1.615127014	1.64202	0.715472
0.686880198	1.127301753	1.641191	0.714743
0.784643958	1.285807643	1.638715	0.712565
0.810877949	1.326825737	1.636283	0.710422
1.021221299	1.667644447	1.63299	0.707516
0.831505538	1.357380645	1.632437	0.707028
0.956748516	1.560538995	1.631086	0.705833
0.823385546	1.3416751	1.629462	0.704395
0.828328265	1.348474428	1.627947	0.703054
0.837221336	1.361442316	1.626144	0.701455
0.808690179	1.314881472	1.62594	0.701274
0.837755791	1.359697927	1.623024	0.698685
0.63878175	1.036267126	1.622255	0.698001
0.963217131	1.559390668	1.61894	0.695049
0.902670996	1.455894771	1.612874	0.689634
0.766670348	1.23648663	1.612801	0.689568
0.763627233	1.227588054	1.607575	0.684886
0.902812643	1.449579193	1.605626	0.683136
0.660447502	1.059154315	1.603692	0.681397
0.690310843	1.106337444	1.602666	0.680473
0.958462027	1.534281795	1.600775	0.67877
0.860266859	1.376744912	1.60037	0.678405
0.817803863	1.306711068	1.597829	0.676113
0.966322154	1.543509286	1.597303	0.675638
0.702110562	1.120386307	1.595741	0.674226
0.899075007	1.430936449	1.591565	0.670446
0.751368653	1.195028788	1.590469	0.669453
0.917315764	1.458690974	1.590173	0.669184
0.917315764	1.458567509	1.590039	0.669062
0.901639122	1.432657353	1.588948	0.668072
0.954961882	1.515447294	1.586919	0.666229
0.916729312	1.454739655	1.58688	0.666193
0.967421084	1.534597815	1.586277	0.665645
0.87593699	1.388554488	1.585222	0.664685
0.794484381	1.258750556	1.584362	0.663902
1.010585402	1.600788312	1.584021	0.663591
0.905747145	1.433792802	1.582995	0.662656
0.98891097	1.563973672	1.581511	0.661304
0.798991817	1.263461718	1.58132	0.661129

0.866712857	1.370272797	1.581	0.660837
0.809558539	1.278063065	1.578716	0.658752
1.004595488	1.584832354	1.577583	0.657716
0.926903556	1.461793706	1.577072	0.657249
0.808345062	1.273846597	1.57587	0.656148
0.808824691	1.274565258	1.575824	0.656106
0.926129134	1.459411775	1.575819	0.656102
0.829033559	1.306332405	1.575729	0.65602
0.84322923	1.328529977	1.575526	0.655834
0.746770165	1.1752671	1.5738	0.654252
0.923632668	1.453553732	1.573736	0.654193
0.981575941	1.543435866	1.572406	0.652974
0.69134615	1.085798807	1.570557	0.651277
0.869217036	1.364513812	1.569819	0.650599
0.82037933	1.286878439	1.568638	0.649513
0.800594415	1.255333279	1.568002	0.648927
0.98143533	1.538116074	1.567211	0.648199
0.729390169	1.142956548	1.567003	0.648008
0.739441036	1.158693542	1.566986	0.647992
0.858906861	1.345846562	1.56693	0.64794
0.734752261	1.149914983	1.565038	0.646197
1.106451647	1.730131126	1.563675	0.644941
0.673341528	1.052769806	1.5635	0.64478
0.9580889	1.494413931	1.559786	0.641348
0.866228853	1.350375389	1.558913	0.64054
0.887044178	1.382492989	1.558539	0.640194
0.862745852	1.344591648	1.558503	0.640161
0.958673169	1.492133331	1.556457	0.638265
0.874995904	1.361089065	1.555538	0.637413
0.993265468	1.544871986	1.555347	0.637236
0.898927876	1.396832231	1.553887	0.635881
0.914446734	1.420769869	1.553693	0.635702
0.830380453	1.289318905	1.552685	0.634765
0.893824869	1.383855799	1.54824	0.63063
0.771384003	1.193013822	1.546589	0.62909
0.809139912	1.249608988	1.544367	0.627016
0.847655635	1.303228076	1.53745	0.620539
0.979258708	1.504894557	1.536769	0.6199
0.981098679	1.506652435	1.535679	0.618876
0.966710917	1.48454801	1.535669	0.618867
0.870933598	1.337123593	1.535276	0.618498
0.852177196	1.308010254	1.534904	0.618149
0.939254863	1.438382212	1.531408	0.614859
0.899781201	1.377050778	1.530428	0.613936
0.906883063	1.385869682	1.528168	0.611803
0.870752246	1.330342611	1.527808	0.611464
0.717957052	1.096861584	1.527754	0.611412
0.8885855	1.35518472	1.525103	0.608907
0.874113907	1.333094776	1.525081	0.608886
0.872110801	1.329994286	1.525029	0.608837
0.923494206	1.407833813	1.524464	0.608302
0.915228811	1.394080109	1.523204	0.607109

0.877691555	1.33675933	1.52304	0.606954
0.851563509	1.296635081	1.522652	0.606586
0.940088117	1.431398672	1.522622	0.606558
0.971524939	1.479030768	1.522381	0.606329
0.888306112	1.349736467	1.51945	0.603549
0.62305123	0.946484528	1.519112	0.603228
0.930238083	1.412177207	1.518081	0.602249
0.979425722	1.486617463	1.517846	0.602025
0.923657692	1.399940537	1.515649	0.599935
0.65647503	0.993672306	1.513648	0.59803
0.79368146	1.200833596	1.512992	0.597404
0.771867369	1.166951184	1.511855	0.596319
0.885816562	1.338825276	1.511402	0.595888
0.977532685	1.476601651	1.510539	0.595064
0.906877822	1.369005008	1.50958	0.594148
0.991186059	1.495943299	1.509246	0.593828
0.783833302	1.182828719	1.509031	0.593622
0.778661862	1.174458418	1.508304	0.592927
0.897818145	1.354091452	1.508202	0.59283
0.916483437	1.381740248	1.507654	0.592306
0.711349267	1.072361423	1.507503	0.592161
0.869620372	1.309550765	1.505888	0.590614
0.921262252	1.386665412	1.50518	0.589936
0.957733534	1.44052935	1.504102	0.588903
0.970274435	1.457714898	1.502374	0.587244
0.733875603	1.101595341	1.501065	0.585987
0.935385318	1.397081943	1.49359	0.578784
0.891249779	1.330994547	1.493402	0.578603
0.770814009	1.150786816	1.49295	0.578166
0.807587664	1.205591295	1.49283	0.57805
0.712318278	1.062271365	1.491288	0.576558
1.034057121	1.540923719	1.490173	0.57548
0.761743826	1.134191587	1.488941	0.574287
0.840729986	1.249897773	1.486682	0.572096
0.968047814	1.439107122	1.486607	0.572024
0.969283086	1.440444536	1.486093	0.571524
0.881774406	1.309913064	1.485542	0.57099
0.874645104	1.298257478	1.484325	0.569807
1.124976584	1.668565029	1.4832	0.568713
0.865382685	1.283534705	1.483199	0.568712
0.977762659	1.450213648	1.483196	0.568709
0.911329499	1.351438677	1.482931	0.568451
0.89683226	1.329426104	1.482358	0.567894
0.917816004	1.360506586	1.48233	0.567867
0.935673737	1.386498075	1.481818	0.567368
0.872638544	1.292920994	1.481623	0.567178
0.920588926	1.363203201	1.480795	0.566372
0.891814509	1.320222475	1.480378	0.565965
0.81173058	1.201533151	1.480212	0.565804
0.767424144	1.135099358	1.479103	0.564723
0.718086988	1.061687832	1.478495	0.564129
0.747431529	1.104428117	1.477631	0.563286

0.733701446	1.082598188	1.47553	0.561233
0.88153926	1.299767433	1.474429	0.560157
1.068019863	1.574628695	1.474344	0.560073
0.862809293	1.272036248	1.474296	0.560026
0.769811867	1.133728721	1.472735	0.558498
0.893662131	1.315481168	1.472012	0.557789
0.765536961	1.126665698	1.471733	0.557516
0.915376574	1.344696936	1.46901	0.554844
0.870590555	1.27846659	1.468505	0.554348
0.936265145	1.374500549	1.468068	0.553918
0.734174196	1.076821968	1.466712	0.552585
0.907921457	1.330875969	1.465849	0.551737
0.847128651	1.238440222	1.461927	0.547871
0.860045152	1.256857601	1.461386	0.547337
0.971507807	1.418015976	1.459603	0.545576
0.8901907	1.298797222	1.45901	0.54499
0.77904397	1.136252195	1.458521	0.544506
0.783256525	1.141539131	1.457427	0.543424
0.866782762	1.262577614	1.456625	0.54263
0.826231824	1.202344677	1.455215	0.541232
0.752672888	1.095254016	1.455153	0.541171
0.774510084	1.126178002	1.454052	0.540079
0.729158933	1.060171292	1.453965	0.539992
0.948552026	1.379143611	1.453946	0.539974
0.646943895	0.940064135	1.453084	0.539119
0.961756409	1.396971962	1.452522	0.53856
0.952079005	1.381743043	1.45129	0.537336
1.00033945	1.451341096	1.450849	0.536897
0.924826009	1.341236702	1.450258	0.53631
0.853985703	1.238373318	1.45011	0.536162
0.901325712	1.306849107	1.449919	0.535972
1.100300941	1.594682233	1.449315	0.535371
0.811686636	1.176337943	1.449251	0.535308
0.70191957	1.017194733	1.449161	0.535218
1.009408447	1.461930918	1.448305	0.534365
0.963306959	1.394978595	1.448114	0.534175
0.842639261	1.220081759	1.447929	0.533991
0.939178885	1.359674224	1.447727	0.533789
0.830975427	1.202615905	1.447234	0.533298
0.733870258	1.061998002	1.44712	0.533184
0.851303105	1.231423095	1.446515	0.532582
0.947376494	1.370203047	1.446313	0.53238
0.791888187	1.145181481	1.44614	0.532208
0.937604248	1.355476542	1.445681	0.531749
0.926593375	1.337925691	1.443919	0.52999
0.866416937	1.250515064	1.443318	0.529389
0.969362664	1.398798046	1.443008	0.529079
0.60411782	0.871023928	1.441811	0.527882
0.85172751	1.227895401	1.441653	0.527724
1.04090092	1.500614294	1.44165	0.52772
0.856857596	1.235263337	1.44162	0.527691
0.911083961	1.313284874	1.441453	0.527524

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0.955464916	1.375897067	1.440029	0.526098
0.87673593	1.262040667	1.439476	0.525544
0.783733824	1.127636522	1.4388	0.524866
1.012103043	1.456009476	1.438598	0.524664
0.690268061	0.992168158	1.437366	0.523428
0.691955756	0.994182751	1.436772	0.522831
0.794573847	1.141195283	1.436236	0.522292
0.887535225	1.274689762	1.436213	0.52227
0.838553332	1.20338102	1.435068	0.521119
1.036537097	1.487213812	1.434791	0.52084
0.961680206	1.37914068	1.434095	0.52014
0.863024644	1.236998275	1.433329	0.51937
0.844766387	1.210585327	1.433042	0.51908
0.961653049	1.376744408	1.431644	0.517672
1.057163232	1.513393457	1.431561	0.517589
0.957687717	1.370714541	1.431275	0.517301
0.773199408	1.105581559	1.429879	0.515893
0.885605181	1.266234616	1.429796	0.515809
0.98770096	1.410714012	1.42828	0.514279
1.013412083	1.446429312	1.427286	0.513275
1.007543835	1.437434266	1.426672	0.512653
0.908546165	1.295883697	1.426327	0.512305
0.839921334	1.197577925	1.425822	0.511793
0.907232913	1.292953238	1.425161	0.511125
0.926406655	1.320185151	1.42506	0.511023
1.038300901	1.478765556	1.424217	0.510169
1.038300901	1.478762978	1.424214	0.510166
0.861520112	1.22689205	1.424101	0.510052
0.817477278	1.164142712	1.424067	0.510017
0.969621689	1.380437798	1.423687	0.509632
0.912938159	1.299727846	1.423676	0.509621
0.91566823	1.303237208	1.423264	0.509203
0.954567533	1.358533562	1.423193	0.509131
0.971005796	1.38167443	1.422931	0.508866
0.967186375	1.376138226	1.422826	0.50876
0.960865384	1.366689904	1.422353	0.50828
0.850781345	1.209499845	1.421634	0.50755
0.926371	1.316700773	1.421354	0.507266
0.937493346	1.332015735	1.420827	0.506731
0.75095821	1.066808686	1.420597	0.506497
0.873202989	1.240252229	1.420348	0.506245
0.880751814	1.250268968	1.419547	0.505431
0.835752753	1.18568832	1.418707	0.504577
0.829101893	1.175773267	1.418129	0.503989
0.893679838	1.266786271	1.417495	0.503343
0.984299953	1.395041321	1.417293	0.503138
0.761067503	1.078393543	1.416949	0.502787
0.712143898	1.009064712	1.416939	0.502778
1.003381806	1.421038705	1.416249	0.502075
1.054150495	1.492446164	1.415781	0.501598
0.985352818	1.394611859	1.415343	0.501151

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0.775410433	1.096003224	1.413449	0.49922
0.967444977	1.36728014	1.41329	0.499057
0.860157663	1.215411192	1.41301	0.498771
0.968011907	1.36554069	1.410665	0.496376
0.801007677	1.129573925	1.410191	0.495891
0.954837295	1.345024547	1.408643	0.494306
0.983623415	1.385338454	1.408403	0.494061
0.731146255	1.029628873	1.408239	0.493892
0.833417265	1.172792485	1.407209	0.492837
0.791524283	1.11349051	1.406767	0.492384
1.010560909	1.42113758	1.406286	0.49189
0.952301743	1.338912463	1.405975	0.491571
0.807588487	1.134868349	1.405256	0.490833
0.838218919	1.177522147	1.404791	0.490355
0.829679831	1.165451248	1.4047	0.490262
1.048128368	1.471587795	1.404015	0.489558
0.94532849	1.32718595	1.403942	0.489483
1.002852439	1.407744323	1.40374	0.489276
0.805595936	1.128591573	1.40094	0.486395
0.829119474	1.1613343	1.400684	0.486131
0.960311724	1.344477104	1.400042	0.48547
0.892533668	1.249133999	1.399537	0.48495
0.92499201	1.293608945	1.398508	0.483889
1.010552286	1.412614791	1.397864	0.483224
0.774525476	1.082574387	1.397726	0.483082
0.85728512	1.197578583	1.396943	0.482273
0.952443542	1.330406131	1.396835	0.482161
0.888597344	1.240951381	1.396528	0.481845
0.967216115	1.350044492	1.395804	0.481097
0.80828052	1.127787508	1.395292	0.480567
0.855083329	1.192780751	1.394929	0.480192
0.980331802	1.367368557	1.394802	0.48006
0.949520758	1.324380395	1.394788	0.480046
0.860036305	1.19935651	1.394542	0.479791
0.687787817	0.959109001	1.394484	0.479731
1.073471136	1.496797236	1.394353	0.479595
1.020090728	1.421980933	1.393975	0.479205
0.788122905	1.098397036	1.393687	0.478907
0.729223819	1.015445832	1.392502	0.47768
0.845700835	1.177356099	1.392166	0.477331
1.075971523	1.497587983	1.391847	0.477001
0.963016122	1.339926066	1.391385	0.476522
0.832785817	1.158660302	1.391306	0.47644
0.817041673	1.136754451	1.391305	0.476439
0.837545813	1.165120173	1.391112	0.476239
0.939427041	1.306819095	1.391081	0.476206
0.814811313	1.133468358	1.391081	0.476206
0.86864223	1.208322631	1.391048	0.476172
0.974900154	1.355832505	1.39074	0.475853
0.801206987	1.113353284	1.389595	0.474665
1.043069515	1.448883765	1.389058	0.474107

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0.947164716	1.315214305	1.38858	0.473611
0.858910953	1.192578391	1.388477	0.473504
0.864837216	1.200561013	1.388193	0.473208
0.805271848	1.117562624	1.387808	0.472808
0.915737636	1.270564841	1.387477	0.472464
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0.930663494	1.290694307	1.386854	0.471816
0.974686922	1.351738863	1.386844	0.471806
0.743915374	1.031440327	1.386502	0.47145
0.979044256	1.357384981	1.386439	0.471384
0.937237177	1.299186769	1.386188	0.471123
0.93277985	1.292198646	1.38532	0.470219
0.954432503	1.322181887	1.385307	0.470206
0.816291103	1.130304041	1.384683	0.469555
0.821338186	1.13684996	1.384144	0.468994
0.89069686	1.232731669	1.384008	0.468852
0.75913965	1.050445617	1.383732	0.468564
1.064727248	1.472965579	1.383421	0.46824
0.772906342	1.068633812	1.382617	0.467402
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0.977386243	1.348718923	1.379924	0.464589
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1.075945391	1.482880418	1.378212	0.462797
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0.904567246	1.238401084	1.369054	0.453179
0.896243035	1.226661288	1.36867	0.452775
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1.132170059	1.549270146	1.368408	0.452498
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0.953060869	1.303864928	1.368081	0.452154
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0.821816935	1.122568265	1.365959	0.449914
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0.886754843	1.186234913	1.337726	0.419783
0.997701801	1.334338122	1.337412	0.419444
0.714210677	0.954985639	1.33712	0.419129
0.863256749	1.154096589	1.33691	0.418902
0.95572625	1.277424837	1.336601	0.418569
0.880053399	1.176036015	1.336323	0.418269
1.090889375	1.457455081	1.336025	0.417947
0.935988971	1.249920517	1.335401	0.417273
0.847591102	1.131776396	1.335286	0.417149
0.875111997	1.168096569	1.334797	0.41662
0.994503074	1.327408382	1.334745	0.416565
0.844427014	1.12662814	1.334192	0.415967
0.806905898	1.076388702	1.333971	0.415727
0.739426041	0.986140693	1.333657	0.415388
0.9875653	1.316827312	1.333408	0.415118
1.016445982	1.355019931	1.333096	0.414781
0.920127826	1.22627107	1.332718	0.414372
0.832289884	1.109020918	1.332494	0.414129
0.905208406	1.206083721	1.332382	0.414008
0.764903385	1.019134703	1.33237	0.413995
0.905942338	1.206210958	1.331443	0.412991
0.766124569	1.019839494	1.331167	0.412691
0.989158603	1.316656907	1.331088	0.412606
0.926907987	1.233533134	1.330804	0.412298
0.965422825	1.284767847	1.330783	0.412275
0.871021372	1.159008183	1.330631	0.412111
0.959151019	1.276000882	1.330344	0.411799
0.97187504	1.292476283	1.329879	0.411295
0.918605594	1.221580044	1.32982	0.411231
0.802188255	1.066632846	1.329654	0.411051
0.929121758	1.23537663	1.329618	0.411011
0.90898177	1.208593545	1.329613	0.411006
0.898745164	1.194444031	1.329013	0.410355
0.907922327	1.206639619	1.329012	0.410354
0.885041523	1.175451002	1.328131	0.409397

0.745290355	0.989218239	1.327292	0.408486
0.843133748	1.118687444	1.326821	0.407974
1.009784198	1.339726219	1.326745	0.407891
0.766476331	1.016885882	1.326702	0.407845
1.025783825	1.36079832	1.326594	0.407727
0.857993806	1.137928358	1.326266	0.407371
0.885369196	1.174151569	1.326172	0.407268
0.921722926	1.222348113	1.326156	0.40725
0.981548838	1.301457207	1.325922	0.406996
1.006719115	1.334427661	1.325521	0.40656
0.850288101	1.126552727	1.324907	0.405891
0.949737393	1.258129254	1.324713	0.40568
0.969084012	1.28373329	1.324687	0.405652
0.93724569	1.241508871	1.324635	0.405595
0.77678999	1.028910371	1.324567	0.405521
0.898210026	1.18971959	1.324545	0.405497
0.827459865	1.096000693	1.324536	0.405487
0.863654709	1.14387977	1.324464	0.405409
1.090188826	1.443873411	1.324425	0.405366
0.942425401	1.24810821	1.324358	0.405293
1.066063976	1.411805091	1.324316	0.405247
0.909019563	1.203560246	1.32402	0.404925
0.85238515	1.128214186	1.323597	0.404464
1.078409621	1.427279263	1.323504	0.404362
1.047803845	1.386257692	1.323013	0.403827
0.77414433	1.024119352	1.322905	0.403709
0.960768843	1.270311328	1.322182	0.402921
1.007127516	1.33116241	1.321742	0.40244
0.86529563	1.143687309	1.32173	0.402428
0.930931005	1.229390783	1.320604	0.401197
0.823539784	1.086732759	1.319587	0.400087
0.845000937	1.114958217	1.319476	0.399965
0.940924911	1.241280369	1.319213	0.399678
0.851652061	1.123502877	1.319204	0.399668
0.912749035	1.204094524	1.319196	0.399659
1.011786594	1.334566067	1.319019	0.399466
0.928568282	1.224643669	1.318851	0.399282
0.819742081	1.081083166	1.318809	0.399236
0.923358424	1.217526411	1.318585	0.39899
0.809346785	1.067167042	1.318554	0.398956
0.831967704	1.096985412	1.318543	0.398945
1.077009199	1.419885952	1.31836	0.398744
0.782679502	1.031021596	1.317297	0.397581
0.825219444	1.086786589	1.316967	0.397219
0.804613625	1.059363839	1.316612	0.39683
0.958319956	1.260977883	1.315821	0.395964
0.749946118	0.986737107	1.315744	0.395879
0.747458619	0.982832731	1.314899	0.394952
0.995242721	1.308492197	1.314747	0.394785
0.857875662	1.127788458	1.314629	0.394656
1.149639862	1.511077636	1.314392	0.394396
0.90577459	1.19029255	1.314116	0.394092

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0.986067708	1.294758808	1.313053	0.392925
0.939213175	1.233221266	1.313037	0.392907
0.874878578	1.148160635	1.312366	0.39217
1.02569494	1.345989278	1.312271	0.392065
1.020561621	1.33918449	1.312203	0.391991
0.815475924	1.069784225	1.311853	0.391606
0.955353114	1.253259824	1.311829	0.39158
0.852842634	1.118584397	1.311595	0.391323
0.816329439	1.070525562	1.311389	0.391096
0.872003752	1.143456674	1.311298	0.390995
0.822085243	1.077963088	1.311255	0.390948
0.841765396	1.103487654	1.310921	0.39058
0.831709139	1.090191399	1.310784	0.39043
1.017026605	1.332946249	1.310631	0.390261
0.968543612	1.268649035	1.309852	0.389404
0.905735429	1.185889986	1.309312	0.388809
0.7702591	1.008172721	1.308875	0.388327
0.961989813	1.259060668	1.308809	0.388254
0.938640475	1.228274901	1.308568	0.387989
0.837593745	1.096047177	1.308567	0.387987
0.852537743	1.115343489	1.308263	0.387652
0.85200775	1.114619303	1.308227	0.387613
0.948732345	1.240996255	1.308057	0.387426
0.875991236	1.145575573	1.307748	0.387084
0.803021626	1.050087572	1.30767	0.386999
1.064142822	1.391380636	1.307513	0.386825
0.778478287	1.017400658	1.306909	0.386159
0.838215511	1.095311101	1.306718	0.385948
0.740110877	0.966933842	1.306472	0.385676
0.971270556	1.268799188	1.306329	0.385519
0.871780733	1.138410396	1.305845	0.384984
0.854055524	1.114954714	1.305483	0.384583
0.897420591	1.171518595	1.305429	0.384524
1.003190545	1.309586728	1.305422	0.384516
0.904041845	1.179974008	1.305221	0.384294
0.979077791	1.277517168	1.304817	0.383847
0.937669017	1.223410933	1.304736	0.383758
0.894395208	1.166574706	1.304317	0.383294
0.916338474	1.194913819	1.304009	0.382954
0.979093546	1.276736494	1.303998	0.382942
0.893079264	1.16455983	1.303983	0.382925
0.901805339	1.175853584	1.303888	0.38282
0.912306387	1.189471959	1.303808	0.382731
0.983777478	1.282583461	1.303733	0.382649
0.954016642	1.243655655	1.3036	0.382501
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1.036794924	1.350577404	1.302647	0.381446
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0.815671003	1.061869229	1.301835	0.380547
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0.990604342	1.289389914	1.301619	0.380308
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0.968813707	1.260930107	1.30152	0.380197
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0.86992887	1.131621359	1.300821	0.379422
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0.863179075	1.122779079	1.300749	0.379342
0.870322039	1.132013182	1.300683	0.37927
0.75122025	0.976850911	1.300352	0.378902
0.776816554	1.010131246	1.300347	0.378897
0.911289496	1.184857656	1.300199	0.378732
0.922707743	1.199696542	1.300191	0.378724
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0.832902553	1.08198709	1.299056	0.377464
0.946290197	1.229204124	1.298972	0.37737
0.919713652	1.194429283	1.298697	0.377065
0.837898849	1.087961917	1.298441	0.37678
0.817631471	1.061612312	1.2984	0.376734
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1.078519192	1.399531716	1.297642	0.375892
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0.850610607	1.101999361	1.295539	0.373553
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0.970295779	1.236811342	1.274675	0.350129
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0.999884927	1.269536015	1.269682	0.344467
0.860963335	1.093033457	1.269547	0.344314
1.018721536	1.293032645	1.26927	0.343999
0.890886449	1.130569989	1.269039	0.343737
0.884113125	1.121785249	1.268825	0.343494
0.920444864	1.167839242	1.268777	0.343438
0.732255143	0.929065823	1.268773	0.343434
0.914064658	1.159511698	1.268523	0.343149
0.90320381	1.145680621	1.268463	0.343081
0.765380102	0.970846223	1.26845	0.343066
0.873567173	1.107857512	1.2682	0.342782
0.838417111	1.063026789	1.267897	0.342438
0.927342015	1.175758771	1.26788	0.342419
0.886888846	1.124323922	1.267717	0.342233
0.99312623	1.258831826	1.267545	0.342037
0.935286875	1.18546797	1.267491	0.341976
1.025400781	1.299576459	1.267384	0.341854
1.134391523	1.43770874	1.267383	0.341853
0.857771986	1.087048651	1.267293	0.34175
0.896274843	1.135714664	1.26715	0.341587
0.957579372	1.213274425	1.267022	0.341442
0.927172154	1.174493388	1.266748	0.341129
0.822421122	1.041773615	1.266716	0.341093
0.790502646	1.001195547	1.26653	0.340882
0.924870148	1.17135767	1.26651	0.340859
1.051944225	1.33205709	1.266281	0.340598
0.878045896	1.111752571	1.266167	0.340467
0.861587848	1.090778783	1.26601	0.340289
0.941917786	1.191936136	1.265435	0.339634
1.026214339	1.29858232	1.26541	0.339605
1.01442329	1.283601467	1.265351	0.339538

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0.915313515	1.158032893	1.265176	0.339338
1.098207208	1.389280904	1.265044	0.339188
0.951019946	1.202992258	1.26495	0.33908
0.77746293	0.983372638	1.264848	0.338964
1.019133248	1.288574734	1.264383	0.338434
1.029933566	1.302230271	1.264383	0.338433
1.057353375	1.336560016	1.264062	0.338067
0.857066933	1.083217149	1.263865	0.337843
0.807888988	1.02105616	1.263857	0.337833
0.725350493	0.916706785	1.263812	0.337782
0.876033614	1.107134163	1.263803	0.337772
1.02756517	1.298557218	1.263722	0.33768
0.952419452	1.203461591	1.263584	0.337521
0.741933442	0.937487843	1.263574	0.33751
0.940924441	1.188871803	1.263515	0.337442
0.968519576	1.223631406	1.263404	0.337316
0.833433641	1.052780738	1.263185	0.337066
0.93764261	1.184379742	1.263146	0.337022
0.81775223	1.03290275	1.2631	0.336969
1.005489328	1.270014942	1.263081	0.336948
1.054158883	1.331474875	1.263068	0.336933
0.979551286	1.237236083	1.263064	0.336928
0.93924737	1.18629513	1.263027	0.336886
0.926866479	1.17050562	1.262863	0.336698
0.804240689	1.015631941	1.262846	0.336678
0.956296568	1.207627969	1.262817	0.336646
0.929074278	1.173177483	1.262738	0.336555
1.054085143	1.330680064	1.262403	0.336172
0.96170894	1.213843653	1.262174	0.33591
0.984785403	1.242717245	1.261917	0.335617
0.980048204	1.23673203	1.261909	0.335608
0.852146678	1.075242506	1.261804	0.335488
1.036532971	1.307887824	1.261791	0.335473
0.89392646	1.127918428	1.261758	0.335435
0.781141005	0.985562346	1.261696	0.335364
1.041355015	1.313812369	1.261637	0.335297
1.04155031	1.313746032	1.261337	0.334954
0.96073909	1.211636545	1.26115	0.33474
0.946695387	1.193719232	1.260933	0.334491
0.944840521	1.191064452	1.260598	0.334109
0.907390512	1.143784676	1.260521	0.33402
0.858868414	1.082612302	1.26051	0.334008
0.886806329	1.117790594	1.260468	0.333959
0.95532669	1.204094621	1.260401	0.333883
0.927258883	1.168612415	1.260287	0.333752
0.937622098	1.18164044	1.260252	0.333713
0.97561297	1.22941458	1.260146	0.333591
0.863964726	1.088419726	1.259796	0.333191
0.929360743	1.170678452	1.25966	0.333034
0.866777001	1.091606813	1.259386	0.332721
0.915193153	1.152415431	1.259205	0.332513

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0.780590212	0.982812978	1.259064	0.332352
0.793241564	0.99864283	1.258939	0.332209
0.77611351	0.977043995	1.258893	0.332156
0.968862243	1.219685546	1.258884	0.332146
1.008494696	1.26898548	1.258297	0.331472
0.934271263	1.175434026	1.258129	0.33128
0.814083108	1.024188966	1.258089	0.331234
0.926318643	1.16533397	1.258027	0.331163
0.769677726	0.967464986	1.256974	0.329955
0.996502687	1.252518361	1.256914	0.329886
0.885784713	1.1133078	1.25686	0.329825
0.92604829	1.163595891	1.256518	0.329431
0.813207316	1.021570926	1.256224	0.329094
0.970533488	1.219180452	1.256196	0.329062
0.945728124	1.187288967	1.255423	0.328174
1.02124064	1.281828363	1.255168	0.32788
0.949121359	1.191292184	1.255153	0.327863
0.950969802	1.193570474	1.255109	0.327812
0.942154937	1.182261075	1.254848	0.327512
1.039842187	1.304784372	1.254791	0.327447
0.950407134	1.192525756	1.254753	0.327403
0.946757776	1.187850123	1.254651	0.327286
0.886369221	1.112045569	1.254608	0.327236
0.853793819	1.071010327	1.254413	0.327013
0.854289678	1.071555031	1.254323	0.326909
0.912961699	1.145087081	1.254255	0.326831
0.951954417	1.19390572	1.254163	0.326725
0.906178791	1.136383008	1.254038	0.326582
0.85554859	1.072845029	1.253985	0.32652
0.891592331	1.117714051	1.253616	0.326095
0.898998303	1.12693953	1.25355	0.32602
0.819467025	1.027048416	1.253313	0.325746
0.91940149	1.152225373	1.253234	0.325656
0.777557189	0.974433852	1.253199	0.325615
0.965669362	1.209997396	1.253014	0.325403
0.850110657	1.06518796	1.252999	0.325385
1.054547731	1.321335325	1.252988	0.325372
0.868850425	1.088569667	1.252885	0.325254
0.853360911	1.06913406	1.252851	0.325215
0.8494184	1.063853033	1.252449	0.324752
0.918984091	1.150901574	1.252363	0.324653
0.863111264	1.080850861	1.252273	0.324549
0.628457874	0.786993521	1.252261	0.324536
0.887265322	1.110895063	1.252044	0.324285
0.82684363	1.035207084	1.251999	0.324233
0.878946944	1.100427787	1.251984	0.324216
0.911648813	1.140968809	1.251544	0.323709
0.9951316	1.2453365	1.251429	0.323576
0.871816316	1.090911605	1.251309	0.323438
0.932554924	1.166896949	1.25129	0.323417
0.945706912	1.183275264	1.251207	0.323321

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0.792629869	0.991462823	1.250852	0.322911
0.929796269	1.163016839	1.25083	0.322885
1.010412749	1.263848344	1.250824	0.322879
0.928876701	1.161436301	1.250366	0.322351
1.064610156	1.330907782	1.250136	0.322085
0.845456416	1.056102281	1.24915	0.320947
0.963758271	1.203864008	1.249135	0.320929
0.944195432	1.179311413	1.249012	0.320787
1.059665996	1.32343873	1.248921	0.320682
0.952059638	1.188961168	1.248831	0.320578
0.899649794	1.123478758	1.248796	0.320537
0.97572585	1.218271692	1.24858	0.320288
0.886471165	1.106814533	1.248562	0.320268
0.873015031	1.090011085	1.248559	0.320264
0.919571834	1.147968007	1.248372	0.320048
0.909020101	1.134704594	1.248272	0.319933
1.050800407	1.311673802	1.248262	0.31992
0.898912803	1.12201391	1.24819	0.319837
0.880554964	1.098453528	1.247456	0.318989
0.84835663	1.057936124	1.247042	0.31851
0.765338646	0.954400568	1.24703	0.318497
0.904275086	1.12745174	1.246802	0.318232
0.896734958	1.118012198	1.246759	0.318182
0.985138048	1.228221553	1.246751	0.318173
0.998433727	1.244654942	1.246607	0.318007
0.829698255	1.034250777	1.246538	0.317927
0.863425199	1.076209526	1.246442	0.317816
0.931806475	1.161392839	1.246388	0.317754
0.83563125	1.041480296	1.24634	0.317697
0.967955012	1.206373556	1.246312	0.317665
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0.834654762	1.040193302	1.246256	0.3176
1.129006055	1.406973353	1.246205	0.317542
0.801519174	0.998807018	1.246142	0.317469
1.051431895	1.310192456	1.246103	0.317423
1.093457581	1.362455569	1.246007	0.317312
0.911770198	1.136058099	1.245992	0.317294
0.896939344	1.117433983	1.24583	0.317107
0.903829741	1.125953486	1.245758	0.317024
0.97178569	1.210547795	1.245694	0.31695
1.072895147	1.336396562	1.245598	0.316839
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0.970546378	1.208217055	1.244883	0.316011
0.86481196	1.076427509	1.244695	0.315793
0.884680127	1.101102269	1.244633	0.315721
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0.768812052	0.954952475	1.242114	0.312798
0.879368784	1.092117704	1.241934	0.312588
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0.827386693	1.023846639	1.237446	0.307366
0.875605388	1.083350237	1.237259	0.307147
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0.965912332	1.185827758	1.227676	0.29593
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0.847743061	1.039037321	1.225651	0.293548
0.894729542	1.096622345	1.225647	0.293543
0.908904405	1.113973645	1.225622	0.293515
0.917539336	1.124453234	1.22551	0.293382
0.939499398	1.15116496	1.225296	0.29313
0.825729509	1.011693949	1.225212	0.293032
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0.949298562	1.162996082	1.225111	0.292912
0.771014173	0.944571991	1.225103	0.292903
0.969888115	1.188119555	1.225007	0.29279
0.915672959	1.121639293	1.224934	0.292704
0.931217573	1.140371099	1.224602	0.292313
0.751795728	0.920440773	1.224323	0.291984
0.814550567	0.997041875	1.224039	0.29165
0.821697665	1.005786008	1.224034	0.291644
0.962165504	1.177527647	1.223831	0.291404
1.031032485	1.261631707	1.223659	0.291201
1.092016449	1.336254888	1.223658	0.291201
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0.996003126	1.218180922	1.223069	0.290506
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0.928211071	1.133804075	1.221494	0.288647
0.920393074	1.124036333	1.221257	0.288367
0.920477635	1.124031434	1.221139	0.288228
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0.926540701	1.131004388	1.220674	0.287678
0.928420646	1.133259483	1.220631	0.287628
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0.810704469	0.98936417	1.220376	0.287326
0.919418795	1.12192684	1.220257	0.287185
0.917767868	1.119851527	1.22019	0.287106
0.960041179	1.171221774	1.21997	0.286846
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0.912037559	1.111808522	1.219038	0.285743
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0.834942724	1.017264982	1.218365	0.284946
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0.933396267	1.137114513	1.218255	0.284816
0.917539336	1.117767802	1.218223	0.284779
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0.881279717	1.073125583	1.21769	0.284147
0.897447097	1.092658989	1.217519	0.283944
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0.949908517	1.155879229	1.216832	0.28313
0.996801275	1.212683821	1.216575	0.282826
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1.00593686	1.223766079	1.216544	0.282788
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0.981652472	1.193920957	1.216236	0.282423
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0.920671542	1.113229662	1.20915	0.273993
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0.815959595	0.970416509	1.189295	0.250106
0.902196618	1.072926604	1.189238	0.250038
0.835398874	0.993367574	1.189094	0.249862
0.958112507	1.139264023	1.189071	0.249835
0.937241072	1.114426927	1.18905	0.24981
0.881300577	1.04788425	1.18902	0.249773
0.932308228	1.108400618	1.188878	0.249601
0.93591231	1.112631926	1.188821	0.249531
0.960808865	1.142217737	1.188808	0.249516
0.92610031	1.10093518	1.188786	0.249489
0.967377937	1.149972753	1.188752	0.249448
1.048500135	1.24637914	1.188726	0.249416
0.837147816	0.995079864	1.188655	0.24933
0.901367537	1.071332376	1.188563	0.249219
0.924377124	1.098617127	1.188494	0.249135
0.982190314	1.167321535	1.188488	0.249128
0.785767522	0.933861092	1.18847	0.249105
0.963022321	1.144502708	1.188449	0.24908
0.999374904	1.187632892	1.188376	0.248991
0.89988998	1.069301045	1.188258	0.248848
1.060440092	1.260052717	1.188236	0.248821
0.906029304	1.076494362	1.188145	0.248711
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0.924496177	1.098103063	1.187785	0.248274
1.000852648	1.188556364	1.187544	0.247981
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1.132976075	1.34452811	1.186722	0.246983
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0.988822352	1.173192984	1.186455	0.246657
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0.99523595	1.180512092	1.186163	0.246302
0.86605718	1.027279159	1.186156	0.246294
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0.958671117	1.136872527	1.185884	0.245963
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0.973389065	1.152864835	1.184382	0.244135
0.927324302	1.098198488	1.184266	0.243993
0.843771039	0.999041846	1.18402	0.243694
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0.845621658	0.997421878	1.179513	0.238192
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0.964386072	1.136688476	1.178665	0.237154
0.872637365	1.028542238	1.178659	0.237147
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0.900708271	1.046407016	1.16176	0.216312
0.952144622	1.106108943	1.161703	0.216241
1.054595703	1.225024366	1.161606	0.21612
1.140071259	1.324267195	1.161565	0.21607
0.90770092	1.054301369	1.161507	0.215998
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0.965801217	1.121583048	1.161298	0.215738
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0.838290561	0.972434838	1.160021	0.214151
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0.916316494	1.06133751	1.158265	0.211966
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0.935765833	1.083749445	1.158142	0.211812
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0.993395666	1.131846426	1.139371	0.188238
0.914888993	1.042339043	1.139307	0.188156
0.766447611	0.873218076	1.139306	0.188155
0.942700347	1.073910492	1.139185	0.188003
0.993586548	1.131819101	1.139125	0.187926
0.882669519	1.005435731	1.139085	0.187876
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0.922521489	1.050685109	1.138928	0.187676
0.872696095	0.993834274	1.138809	0.187526
0.980962638	1.117107817	1.138787	0.187498
0.841163511	0.957903764	1.138784	0.187494
1.00822915	1.148026443	1.138656	0.187332
0.84842902	0.966013381	1.138591	0.187249
0.767057494	0.873340041	1.138559	0.187209
0.830611738	0.945659476	1.13851	0.187147

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1.012049067	1.152197968	1.13848	0.187109
1.064999464	1.212427245	1.13843	0.187045
0.920779266	1.048011568	1.138179	0.186727
1.048602725	1.193488553	1.13817	0.186717
0.887727752	1.010364436	1.138147	0.186687
1.001772112	1.140136522	1.13812	0.186652
0.890307989	1.013196166	1.138029	0.186537
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0.967099556	1.100483249	1.137921	0.186401
0.968945063	1.102469012	1.137803	0.186251
1.000370436	1.138189884	1.137768	0.186207
1.058541064	1.204341976	1.137738	0.186168
0.989080319	1.12531099	1.137735	0.186164
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0.921130167	1.047926418	1.137653	0.18606
1.028759008	1.170354978	1.137638	0.186041
0.759027922	0.863493901	1.137631	0.186033
0.973355951	1.10729728	1.137608	0.186003
0.931733247	1.059941597	1.137602	0.185996
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0.926447728	1.053809876	1.137474	0.185833
1.097826892	1.248648092	1.137382	0.185716
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0.928936012	1.056338923	1.137149	0.185422
1.052237608	1.196268678	1.136881	0.185081
1.000887036	1.137852672	1.136844	0.185035
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1.074301356	1.221141586	1.136684	0.184832
0.968827143	1.101177129	1.136608	0.184735
0.97335408	1.106235637	1.136519	0.184622
0.90714863	1.030960114	1.136484	0.184578
0.988293452	1.123078335	1.136381	0.184447
0.911883023	1.036240992	1.136375	0.184439
1.116765711	1.268903556	1.136231	0.184256
1.023642809	1.163077216	1.136214	0.184234
0.958207845	1.08866285	1.136145	0.184147
0.976295876	1.109201	1.136132	0.18413
0.869692578	0.98807012	1.136114	0.184108
1.032810772	1.173294241	1.136021	0.183989
0.817022961	0.928153881	1.136019	0.183987
1.014794232	1.152787042	1.135981	0.183939
0.952847679	1.082262608	1.135819	0.183733
0.915028216	1.039170579	1.135671	0.183544
1.052596485	1.19531171	1.135584	0.183434
0.981172063	1.11420285	1.135584	0.183434
0.936852619	1.063871899	1.135581	0.18343
1.04046158	1.181515123	1.135568	0.183414
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0.967532611	1.098488145	1.13535	0.183137
0.990824573	1.124849048	1.135266	0.18303
0.934245997	1.060611311	1.135259	0.183022
0.966940453	1.097677668	1.135207	0.182956
0.890231664	1.010545008	1.135148	0.182881
0.982687198	1.115466041	1.135118	0.182842
0.954469714	1.08338048	1.13506	0.182769
0.861379558	0.977635767	1.134965	0.182648
0.871550595	0.989104836	1.134879	0.182539
0.933869844	1.05958042	1.134613	0.1822
0.891235663	1.011203183	1.134608	0.182194
1.038990922	1.178825506	1.134587	0.182167
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1.028120599	1.166468423	1.134564	0.182138
1.017723357	1.154625257	1.134518	0.182079
0.918781025	1.042348073	1.13449	0.182044
0.929726097	1.054667651	1.134385	0.181911
0.952296708	1.080065061	1.134169	0.181635
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0.802940673	0.910634258	1.134124	0.181578
1.006723181	1.141744096	1.134119	0.181572
0.938264157	1.06406091	1.134074	0.181515
0.98060137	1.11196121	1.133958	0.181368
1.059356125	1.201264364	1.133957	0.181366
1.070103144	1.213354237	1.133867	0.181251
0.966475046	1.095806172	1.133817	0.181188
0.913504357	1.0357431	1.133813	0.181183
0.956492462	1.084411899	1.133738	0.181087
1.042634762	1.182052043	1.133716	0.18106
0.939606923	1.065209852	1.133676	0.181008
0.944896626	1.071115814	1.13358	0.180886
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0.975009431	1.105041668	1.133365	0.180613
1.021366102	1.157559998	1.133345	0.180587
1.012895535	1.147827512	1.133214	0.18042
1.036353917	1.174298004	1.133105	0.180282
1.050548112	1.19037223	1.133096	0.180271
0.970702257	1.099837451	1.133033	0.18019
0.928283683	1.051759869	1.133016	0.180168
0.945672784	1.07138286	1.132932	0.180061
0.990628581	1.122207383	1.132824	0.179923
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1.000417118	1.133254451	1.132782	0.17987
1.036462175	1.17407815	1.132775	0.179861
0.986584449	1.117426056	1.132621	0.179665
1.092193508	1.236990433	1.132574	0.179606
0.929929886	1.053206758	1.132566	0.179595
1.064591638	1.205640791	1.132491	0.1795

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0.964160968	1.091543923	1.132118	0.179024
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0.954715781	1.080753966	1.132016	0.178895
0.853892919	0.966485279	1.131858	0.178693
0.861886092	0.975515204	1.131838	0.178667
0.933869844	1.056799394	1.131635	0.178408
0.869456204	0.983868631	1.131591	0.178352
0.886987849	1.003706853	1.13159	0.178352
0.987403247	1.117260872	1.131514	0.178255
0.987558625	1.117435444	1.131513	0.178253
1.000154234	1.131686801	1.131512	0.178252
0.881230643	0.997116372	1.131504	0.178242
0.985835636	1.115449304	1.131476	0.178206
0.999430765	1.130636766	1.131281	0.177957
0.884575503	1.000687479	1.131263	0.177934
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1.032389173	1.167810556	1.131173	0.177819
0.983069069	1.111973204	1.131124	0.177757
0.961602155	1.087614366	1.131044	0.177655
0.923098875	1.044048502	1.131026	0.177632
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1.020515453	1.154064839	1.130865	0.177426
0.965571173	1.091863371	1.130795	0.177338
0.950009905	1.074166728	1.13069	0.177203
0.896078477	1.013140329	1.130638	0.177137
1.002157067	1.132980448	1.130542	0.177014
0.920864631	1.041056967	1.130521	0.176988
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0.904533914	1.022580654	1.130506	0.176968
1.070919953	1.210437436	1.130278	0.176678
1.057129277	1.194809513	1.13024	0.176629
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0.980016675	1.1075522	1.130136	0.176496
0.96115234	1.086209996	1.130112	0.176466
0.949402839	1.072865405	1.130042	0.176377
0.935609153	1.057109109	1.129862	0.176146
1.004954144	1.135338016	1.129741	0.175992
0.861849353	0.973649937	1.129722	0.175967
0.831344298	0.939116743	1.129636	0.175858
1.038266003	1.172789424	1.129565	0.175768
1.062313336	1.199938588	1.129552	0.175751
1.033069743	1.166853734	1.129501	0.175686
0.921277653	1.040345957	1.129243	0.175355
0.916436731	1.034873186	1.129236	0.175347
0.8199839	0.925942688	1.129221	0.175327
0.819589627	0.925492092	1.129214	0.175319
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0.932673158	1.052815125	1.128815	0.174809
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0.922390781	1.038762242	1.126163	0.171415
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0.955392323	1.07120088	1.121216	0.165064
0.942580751	1.056763177	1.121138	0.164964
0.968760612	1.086073081	1.121095	0.164909
0.791924107	0.887701537	1.120943	0.164713
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1.043979672	1.169971363	1.120684	0.16438
0.927293283	1.039179426	1.120659	0.164347
0.994087945	1.113849227	1.120474	0.164109
0.922182195	1.0332705	1.120462	0.164094
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1.018677796	1.141172147	1.120248	0.163819
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0.929609689	1.04125451	1.120099	0.163626
0.976474808	1.093695158	1.120044	0.163556
0.97636433	1.093344607	1.119812	0.163257
0.859634558	0.962597674	1.119775	0.163209
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0.948193157	1.06128062	1.119266	0.162553
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0.990783968	1.108819958	1.119134	0.162383
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1.108896759	1.24055244	1.118727	0.161858
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0.967399737	1.081686729	1.118138	0.161099
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1.147623368	1.282835729	1.117819	0.160687
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0.86663924	0.968409466	1.117431	0.160186
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0.968016864	1.079517843	1.115185	0.157283
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1.014122901	1.119243184	1.103656	0.142291
0.95693313	1.056009683	1.103536	0.142133
0.945024901	1.042846015	1.103512	0.142102
1.015107883	1.120170177	1.103499	0.142085
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0.958347156	1.057406077	1.103364	0.141909
0.993822189	1.096533439	1.10335	0.14189
0.997948284	1.10103667	1.1033	0.141826

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0.891719048	0.983812399	1.103276	0.141794
0.922050872	1.017231972	1.103228	0.14173
0.981101646	1.082363325	1.103212	0.14171
1.094337064	1.207277726	1.103205	0.1417
1.045995216	1.153780456	1.103046	0.141492
1.077229621	1.188211191	1.103025	0.141465
1.040330614	1.147482961	1.102998	0.141431
1.105838989	1.219718067	1.10298	0.141406
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0.889972714	0.981607153	1.102963	0.141385
1.024220263	1.129673181	1.102959	0.141379
0.953843629	1.052033264	1.102941	0.141356
0.982620909	1.083766525	1.102935	0.141347
0.941666325	1.038569402	1.102906	0.14131
0.955131945	1.053418626	1.102904	0.141307
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0.940850891	1.037171785	1.102376	0.140617
1.037476471	1.143613695	1.102303	0.140521
1.06953726	1.178943338	1.102293	0.140508
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1.025222545	1.12996581	1.102166	0.140342
0.921674025	1.015660908	1.101974	0.14009
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0.974461672	1.073631696	1.101769	0.139822
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0.939823796	1.035369326	1.101663	0.139683
0.992113504	1.092903606	1.101591	0.139589
0.977329574	1.076616055	1.10159	0.139587
1.067684675	1.176137331	1.101577	0.139571
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0.945285916	1.041262505	1.101532	0.139511
1.052446074	1.159241656	1.101474	0.139435
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0.799639496	0.880756759	1.101442	0.139394
0.962984289	1.060463576	1.101226	0.139111
0.835620892	0.920203818	1.101222	0.139105
1.018905091	1.122000034	1.101182	0.139053
0.901733321	0.992966399	1.101175	0.139044
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1.076310732	1.185075329	1.101053	0.138884
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0.919130592	1.011808258	1.100832	0.138594
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0.857809863	0.943405473	1.099784	0.13722
0.989741612	1.08849978	1.099782	0.137217
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0.996998136	1.095453418	1.098752	0.135865
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1.027007617	1.102126996	1.073144	0.101844
0.997613227	1.070532082	1.073093	0.101776
0.991440431	1.063902587	1.073088	0.101768
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0.936432161	1.004870284	1.073084	0.101763
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0.923114022	0.990446554	1.072941	0.10157
0.882842174	0.947202968	1.072902	0.101518
0.980429895	1.05187194	1.072868	0.101473
0.968740358	1.039249808	1.072785	0.101361
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0.949683616	1.018270478	1.072221	0.100602
0.925872431	0.992706636	1.072185	0.100554
0.92680957	0.993711255	1.072185	0.100554
0.940322802	1.008179855	1.072164	0.100525
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1.044889377	1.109074885	1.061428	0.086007
0.993552391	1.054571194	1.061415	0.085989
0.952793767	1.011251359	1.061354	0.085906
0.916522719	0.97272533	1.061322	0.085862
0.999192021	1.060463907	1.061321	0.085862
0.951937527	1.010242531	1.061249	0.085763
0.861378106	0.914073398	1.061176	0.085663
1.113145376	1.181219959	1.061155	0.085636
0.95331283	1.011612346	1.061155	0.085635
0.989488255	1.049995956	1.06115	0.085629
1.084295511	1.150578028	1.06113	0.085601
1.060427028	1.125202512	1.061084	0.085539
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0.983674023	1.043601979	1.060923	0.085319
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0.934259261	0.990581059	1.060285	0.084452
1.012516715	1.073544609	1.060273	0.084436
1.037272809	1.09977061	1.060252	0.084407
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0.842895494	0.893612384	1.06017	0.084295
0.921965497	0.977410663	1.060138	0.084252
0.925180389	0.980736457	1.060049	0.084131
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1.029966951	1.091678028	1.059916	0.083949
1.079171291	1.143806735	1.059894	0.083919
1.09877031	1.164550163	1.059867	0.083883
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0.970873275	1.026599908	1.057398	0.080519
0.961469238	1.016623367	1.057364	0.080473
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0.801574695	0.847380105	1.057144	0.080172
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0.995032454	1.044726829	1.049942	0.07031
1.034096776	1.085675319	1.049878	0.070222
0.991182677	1.040592701	1.04985	0.070183
1.03593228	1.087561717	1.049839	0.070168
1.035506337	1.087026984	1.049754	0.070051
0.899029174	0.943734814	1.049727	0.070014
0.870542758	0.91380522	1.049696	0.069972
0.970535527	1.018716285	1.049643	0.069899
1.091812006	1.145926979	1.049564	0.069791
1.046290073	1.098146967	1.049563	0.069788
1.044388923	1.096113133	1.049526	0.069738
1.01897759	1.069420394	1.049503	0.069707
1.01452213	1.064741865	1.049501	0.069703
1.098061862	1.152375536	1.049463	0.069652
1.051137111	1.103124922	1.049459	0.069645
0.990385967	1.039364173	1.049454	0.069638
1.045690559	1.097400253	1.04945	0.069634
0.98374564	1.032351728	1.049409	0.069577
1.106010047	1.160637141	1.049391	0.069553
0.965632885	1.013308691	1.049373	0.069527
1.059440187	1.111686745	1.049315	0.069448
1.012083821	1.06196134	1.049282	0.069402
0.965184205	1.012720689	1.049251	0.06936
1.038411991	1.089521853	1.049219	0.069316
0.992562986	1.041384724	1.049188	0.069273
1.017799564	1.067833509	1.049159	0.069233
0.983975579	1.032331858	1.049144	0.069212
0.98094632	1.029123552	1.049113	0.06917
0.956791885	1.003751604	1.04908	0.069125
1.044742394	1.096001674	1.049064	0.069103
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1.037051076	1.087916983	1.049049	0.069082
0.900524034	0.94467549	1.049029	0.069054
1.054979615	1.106684334	1.04901	0.069029
0.908941031	0.953422192	1.048937	0.068929
0.904343683	0.94857409	1.048909	0.068889
0.991343491	1.039698302	1.048777	0.068708
0.903642001	0.947710497	1.048768	0.068695
1.101427141	1.155138281	1.048765	0.068692
0.869767324	0.912138378	1.048715	0.068623
0.990484096	1.038702813	1.048682	0.068577
1.083073523	1.135768034	1.048653	0.068537
0.942585483	0.98843737	1.048645	0.068526
0.986362825	1.03432391	1.048624	0.068498

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1.046971597	1.09782112	1.048568	0.068421
1.002487561	1.051115443	1.048507	0.068337
0.968634447	1.015531898	1.048416	0.068211
1.104396231	1.157842114	1.048394	0.068181
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1.042400712	1.092646373	1.048202	0.067917
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0.989569627	1.037177657	1.04811	0.06779
1.010048382	1.058629394	1.048098	0.067773
0.977826484	1.02485348	1.048093	0.067767
0.93051182	0.975233958	1.048062	0.067724
0.927957036	0.972544855	1.048049	0.067707
0.993101093	1.040797124	1.048027	0.067676
0.989807268	1.037336771	1.048019	0.067665
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0.978561855	1.025433995	1.047899	0.0675
1.048087907	1.098233494	1.047845	0.067425
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0.916586013	0.960343585	1.04774	0.06728
1.034659543	1.084048371	1.047734	0.067273
0.983406207	1.030325618	1.047711	0.067241
0.997599927	1.045187754	1.047702	0.067229
0.981678755	1.028504386	1.0477	0.067225
1.036919464	1.08637995	1.047699	0.067225
0.894192841	0.93683987	1.047693	0.067216
0.809196114	0.847747779	1.047642	0.067146
0.96293342	1.008758126	1.047589	0.067072
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0.956487616	1.001844087	1.04742	0.06684
0.954096708	0.999331727	1.047411	0.066828
1.000377167	1.047805905	1.047411	0.066827
1.011421157	1.059368301	1.047406	0.06682
0.897358625	0.939875468	1.04738	0.066785
0.928603578	0.972542426	1.047317	0.066698
0.949213689	0.994073768	1.04726	0.06662
0.976691662	1.022829337	1.047239	0.06659
0.985466129	1.032010627	1.047231	0.06658
0.858823806	0.899372891	1.047215	0.066557
0.855926934	0.896313918	1.047185	0.066516
1.011901009	1.059630736	1.047168	0.066493
0.948545074	0.993259501	1.04714	0.066454
0.914738873	0.957824931	1.047102	0.066402
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1.017335786	1.065102141	1.046952	0.066196
0.979978452	1.025982434	1.046944	0.066184
0.779064666	0.815607101	1.046906	0.066131
0.98658715	1.032851869	1.046894	0.066115

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1.06022724	1.109170858	1.046163	0.065108
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1.107954021	1.150627962	1.038516	0.054523
1.034799384	1.074623299	1.038485	0.05448
1.04523942	1.085461384	1.038481	0.054475
0.993076158	1.03118704	1.038377	0.05433
1.03186246	1.071454054	1.038369	0.054319
0.998767317	1.037083219	1.038363	0.054311
1.051416167	1.091721428	1.038334	0.054271
0.969345993	1.006448324	1.038276	0.054189
1.004435689	1.042873312	1.038268	0.054179
0.961457586	0.9982339	1.038251	0.054155
1.048974759	1.089045545	1.0382	0.054084
0.970119757	1.007150386	1.038171	0.054044
0.947188977	0.983323409	1.038149	0.054014
1.01521286	1.053929065	1.038136	0.053996
1.100606614	1.142542281	1.038102	0.053949
0.911497066	0.946226748	1.038102	0.053948
1.056261657	1.09647779	1.038074	0.053909
1.064980444	1.105481716	1.03803	0.053848
0.921552291	0.956596691	1.038028	0.053845
1.075641742	1.11651894	1.038003	0.05381
0.98511786	1.022529277	1.037977	0.053774
1.05774677	1.097909283	1.03797	0.053765
0.993076158	1.030781256	1.037968	0.053762
1.00298124	1.041040121	1.037946	0.053731
1.001598847	1.039569351	1.03791	0.053681
0.933842937	0.969212351	1.037875	0.053633
1.000524367	1.038391639	1.037847	0.053594
0.966224407	1.002758316	1.037811	0.053544
1.056921004	1.096879328	1.037806	0.053537
0.925279115	0.960228448	1.037772	0.053489
0.976570478	1.013435665	1.03775	0.053458
0.967356177	1.003763471	1.037636	0.0533
1.030327617	1.069025491	1.037559	0.053193
1.018820411	1.056832475	1.03731	0.052847
0.94015137	0.975204777	1.037285	0.052812
0.956431665	0.992077772	1.03727	0.052791
0.959217978	0.994880919	1.037179	0.052665
0.994888056	1.031842229	1.037144	0.052616
1.046073686	1.08492482	1.03714	0.052611

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1.071569294	1.111351106	1.037125	0.05259
0.928815023	0.9632496	1.037074	0.052518
0.938796726	0.973577056	1.037048	0.052482
0.940667279	0.975490277	1.037019	0.052443
0.942888985	0.977789128	1.037014	0.052435
0.882825947	0.915487664	1.036997	0.052411
0.869427232	0.901534631	1.036929	0.052318
1.161863957	1.204730314	1.036894	0.052269
0.922446053	0.956459977	1.036874	0.05224
1.063575073	1.102529758	1.036626	0.051896
1.018659295	1.055961207	1.036619	0.051885
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1.06029561	1.098998061	1.036502	0.051722
1.023209279	1.060541507	1.036485	0.0517
0.999537069	1.036004734	1.036485	0.051699
1.041507991	1.079443269	1.036423	0.051614
0.907658682	0.940664073	1.036363	0.05153
0.933527906	0.967461502	1.03635	0.051511
0.867374097	0.898902596	1.036349	0.05151
0.936145311	0.970075841	1.036245	0.051365
1.003167041	1.039489547	1.036208	0.051313
1.141331647	1.182553367	1.036117	0.051187
1.014685011	1.05121032	1.035997	0.051019
0.89144698	0.923373099	1.035814	0.050765
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1.032693085	1.069625248	1.035763	0.050694
0.96231943	0.996719117	1.035747	0.050671
0.972980734	1.007748735	1.035733	0.050653
1.074614111	1.113009003	1.035729	0.050647
0.921277001	0.954181417	1.035716	0.050629
0.996662722	1.032212718	1.035669	0.050563
1.053532654	1.091060569	1.035621	0.050496
0.99503753	1.030470643	1.03561	0.050481
0.87296085	0.904041213	1.035603	0.050472
1.074431263	1.112619106	1.035542	0.050387
1.007053441	1.042813533	1.03551	0.050341
1.042330855	1.079301361	1.035469	0.050284
0.967592079	1.001866835	1.035423	0.05022
1.113012938	1.152434423	1.035419	0.050214
1.01797943	1.053997025	1.035381	0.050162
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0.994746401	1.029813536	1.035252	0.049982
1.012389582	1.048076358	1.03525	0.049979
0.942676728	0.975902608	1.035246	0.049974
1.025201473	1.061186367	1.0351	0.049771
0.926650999	0.959141064	1.035062	0.049717
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0.953829755	0.987240855	1.035028	0.04967
0.994223105	1.029045167	1.035024	0.049665
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1.057689457	1.094702398	1.034994	0.049623

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1.035502736	1.071649746	1.034908	0.049502
1.105258586	1.143803215	1.034874	0.049455
1.051256673	1.087912522	1.034869	0.049448
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0.933209891	0.965654048	1.034766	0.049305
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1.102987831	1.141051216	1.034509	0.048947
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0.862974053	0.892702983	1.034449	0.048863
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1.120813899	1.159198774	1.034247	0.048581
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1.051735545	1.087696307	1.034192	0.048504
1.00169524	1.035865987	1.034113	0.048394
0.777199747	0.80370781	1.034107	0.048386
0.930910582	0.962640976	1.034085	0.048355
0.946198097	0.978393881	1.034026	0.048273
1.054312448	1.090120123	1.033963	0.048185
1.079851454	1.116459756	1.033901	0.048098
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1.030477087	1.065346844	1.033838	0.048011
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1.144579802	1.183147604	1.033696	0.047812
0.97427835	1.007103751	1.033692	0.047806
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0.99551728	1.028052082	1.032681	0.046395
0.864070049	0.892265391	1.032631	0.046325
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0.965607074	0.991616978	1.026936	0.038347
0.986648136	1.013220443	1.026932	0.038341
1.024518833	1.052058505	1.026881	0.038268
1.045606429	1.073665091	1.026835	0.038204
0.917702555	0.942308017	1.026812	0.038172
1.010408307	1.037497415	1.02681	0.038169
0.95409437	0.979610347	1.026744	0.038076
0.962323514	0.987987234	1.026668	0.03797
1.013611155	1.040640306	1.026666	0.037967
1.077340646	1.106049336	1.026648	0.037941
0.872334924	0.89556601	1.026631	0.037918
1.098302749	1.127527652	1.026609	0.037887
1.062407075	1.090672489	1.026605	0.037881
0.96229311	0.987820899	1.026528	0.037773
0.915365846	0.939614616	1.026491	0.037721
0.899120109	0.922910861	1.02646	0.037677
0.908665083	0.93269182	1.026442	0.037652
0.9930992	1.019286244	1.026369	0.03755
0.887694573	0.911086777	1.026352	0.037525
0.957767889	0.983001041	1.026346	0.037517
0.985233653	1.011017704	1.02617	0.03727
0.866993419	0.889674494	1.026161	0.037257
1.198757485	1.230085744	1.026134	0.037219
1.032064375	1.059031778	1.02613	0.037213
1.108215486	1.137165841	1.026123	0.037204
1.032326714	1.059252185	1.026082	0.037146
0.991881577	1.017712547	1.026042	0.03709
1.024536841	1.051199931	1.026025	0.037065
1.04924031	1.076481975	1.025963	0.036979
1.07346076	1.10132643	1.025959	0.036973
0.979710472	1.005139376	1.025956	0.036968
0.912810542	0.936478834	1.025929	0.036931

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0.997261976	1.0231037	1.025913	0.036908
0.930703076	0.954812386	1.025904	0.036896
1.056679603	1.084044737	1.025897	0.036886
0.988883511	1.01444305	1.025847	0.036815
1.060888783	1.08823767	1.025779	0.03672
1.040435016	1.067155983	1.025682	0.036584
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0.869520215	0.89182719	1.025654	0.036545
1.106722651	1.135109402	1.025649	0.036538
1.025330695	1.051609701	1.02563	0.03651
1.009027296	1.034836256	1.025578	0.036437
1.011077469	1.036914179	1.025554	0.036403
1.050852333	1.077704617	1.025553	0.036402
0.962927923	0.987522952	1.025542	0.036386
1.00269121	1.028287474	1.025528	0.036366
0.967118856	0.991804301	1.025525	0.036362
1.11113596	1.139480076	1.025509	0.03634
1.088977673	1.116722982	1.025478	0.036297
1.09282233	1.120621311	1.025438	0.03624
1.010619166	1.036284921	1.025396	0.036181
0.95560803	0.979837676	1.025355	0.036124
0.997847429	1.023136161	1.025343	0.036107
1.053325816	1.079994571	1.025319	0.036072
1.068386807	1.095414876	1.025298	0.036043
1.048955965	1.075491799	1.025297	0.036042
0.876577823	0.898726208	1.025267	0.035999
0.8951772	0.917738234	1.025203	0.035909
1.08565345	1.112990569	1.02518	0.035878
1.03322347	1.059229865	1.02517	0.035863
1.017407552	1.042826917	1.024984	0.035602
1.037687188	1.063568436	1.024941	0.035541
1.06042187	1.086819454	1.024893	0.035474
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0.974810218	0.999054626	1.024871	0.035442
1.017943615	1.043216212	1.024827	0.035381
1.082158892	1.108998187	1.024802	0.035345
0.979863819	1.004161282	1.024797	0.035338
0.977448404	1.001668714	1.024779	0.035313
0.945148387	0.968566622	1.024777	0.03531
0.930592683	0.953606419	1.02473	0.035244
1.003383294	1.028167122	1.0247	0.035202
1.008702152	1.03358506	1.024668	0.035157
0.887127521	0.908929651	1.024576	0.035027
0.995146766	1.019602975	1.024575	0.035026
0.907072811	0.929342273	1.024551	0.034992
0.976137972	1.000083672	1.024531	0.034964
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1.005413324	1.030067171	1.024521	0.03495
1.083398718	1.109912329	1.024473	0.034881
1.051105471	1.076809186	1.024454	0.034855
1.032008077	1.057210486	1.024421	0.034808

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0.934921294	0.957563772	1.024219	0.034524
0.934402806	0.957027381	1.024213	0.034516
0.856731524	0.877447732	1.024181	0.03447
0.937187246	0.95983938	1.02417	0.034456
0.962371063	0.985627563	1.024166	0.034449
1.007195262	1.031524592	1.024156	0.034435
0.797638628	0.816883118	1.024127	0.034394
1.046545475	1.071716498	1.024052	0.034288
1.0767087	1.102477552	1.023933	0.034121
0.996900519	1.020754173	1.023928	0.034114
0.999365745	1.0232441	1.023894	0.034066
1.027860005	1.052417637	1.023892	0.034064
0.998047698	1.0218509	1.02385	0.034004
1.089122289	1.115080216	1.023834	0.033982
0.933623717	0.955795718	1.023748	0.033861
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1.010468306	1.034320258	1.023605	0.033659
0.989840937	1.013142651	1.023541	0.033569
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0.987478711	1.010671442	1.023487	0.033493
1.028026668	1.052169427	1.023485	0.033489
0.989023625	1.012242555	1.023477	0.033478
1.014150856	1.037939787	1.023457	0.03345
0.968095753	0.990790047	1.023442	0.03343
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0.968739249	0.991401499	1.023394	0.033361
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0.975568073	0.997510907	1.022492	0.03209
0.940904462	0.962065705	1.02249	0.032087
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1.004304229	1.020782524	1.016408	0.023479
0.991223859	1.0073413	1.01626	0.02327
1.057586203	1.074744311	1.016224	0.023218
0.952469796	0.967905047	1.016206	0.023192
1.215634917	1.23532814	1.0162	0.023184
1.018257672	1.034746583	1.016193	0.023175
0.946587177	0.961907239	1.016185	0.023162
1.030717875	1.047300665	1.016089	0.023026
0.813501378	0.826537673	1.016025	0.022936
0.998221497	1.014171152	1.015978	0.022869
1.03134628	1.047783641	1.015938	0.022812
1.059491022	1.076370761	1.015932	0.022804
0.967375311	0.982746258	1.015889	0.022743
1.029961004	1.046281596	1.015846	0.022681
1.034936575	1.05126129	1.015774	0.022579
1.064258414	1.081018903	1.015749	0.022543
0.887389156	0.901294544	1.01567	0.022432
0.916725843	0.930940043	1.015505	0.022198
1.022973587	1.038817799	1.015488	0.022174
0.941285333	0.955834383	1.015457	0.022129
0.933936399	0.948364599	1.015449	0.022118
1.037058715	1.053061048	1.01543	0.022091

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0.985154802	1.000311394	1.015385	0.022027
0.87205856	0.885456341	1.015363	0.021996
0.976349245	0.99134363	1.015358	0.021988
0.955098317	0.969760764	1.015352	0.02198
1.012478275	1.028018773	1.015349	0.021976
1.038849831	1.054785887	1.01534	0.021963
1.007574711	1.022980193	1.01529	0.021891
1.051413297	1.067473091	1.015274	0.02187
1.054386627	1.0704425	1.015228	0.021803
0.918311953	0.932282939	1.015214	0.021784
1.022804104	1.038354944	1.015204	0.02177
0.896992903	0.910601299	1.015171	0.021723
0.855092456	0.868058677	1.015164	0.021712
0.988141395	1.002968288	1.015005	0.021487
0.972078384	0.986532846	1.01487	0.021294
1.09833527	1.114613673	1.014821	0.021225
1.134789024	1.151587869	1.014803	0.0212
0.928642068	0.942335893	1.014746	0.021119
0.966251424	0.980431723	1.014676	0.021019
0.906018703	0.919299207	1.014658	0.020994
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1.01887593	1.033733156	1.014582	0.020885
0.951673038	0.965507283	1.014537	0.020821
1.000144072	1.014672935	1.014527	0.020807
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0.908949292	0.921921623	1.014272	0.020444
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1.115113686	1.130962851	1.014213	0.020361
0.918207052	0.931188657	1.014138	0.020254
0.966920325	0.980555243	1.014101	0.020202
0.943535012	0.956839233	1.0141	0.0202
1.058846169	1.073735845	1.014062	0.020146
0.967519276	0.981073732	1.014009	0.020071
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1.091574524	1.106762091	1.013913	0.019935
1.001273814	1.01519048	1.013899	0.019914
1.108003546	1.123392427	1.013889	0.019899
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0.93272822	0.945470218	1.013661	0.019575
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0.98389329	0.996961998	1.013283	0.019037
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1.057675943	1.071648679	1.013211	0.018934
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1.074878969	1.078689392	1.003545	0.005105
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0.935174457	0.93136595	0.995927	-0.00589
0.898059594	0.894364624	0.995886	-0.00595
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1.002258785	0.998089151	0.99584	-0.00601
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0.944729774	0.940765913	0.995804	-0.00607
0.951780558	0.947733852	0.995748	-0.00615
0.92386638	0.919934416	0.995744	-0.00615
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0.918353563	0.913880164	0.995129	-0.00704
1.010564555	1.005565949	0.995054	-0.00715
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1.027539439	1.004062112	0.977152	-0.03335
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1.081284121	1.047653859	0.968898	-0.04558
1.030807744	0.998717335	0.968869	-0.04563
0.962016347	0.932008834	0.968808	-0.04572
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0.990048435	0.959029508	0.968669	-0.04592
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0.978166649	0.947464212	0.968612	-0.04601
0.956274484	0.926252592	0.968605	-0.04602
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1.369940158	1.326758941	0.968479	-0.04621
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1.119256555	1.083777697	0.968301	-0.04647
0.871468432	0.84383258	0.968288	-0.04649
1.152010669	1.115402306	0.968222	-0.04659
0.961993653	0.931415017	0.968213	-0.0466

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1.013127983	0.980890699	0.96818	-0.04665
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0.983323765	0.951991599	0.968136	-0.04672
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1.030432045	0.997549396	0.968088	-0.04679
1.154083435	1.117233676	0.96807	-0.04682
1.05492982	1.021212007	0.968038	-0.04686
0.977082533	0.945847147	0.968032	-0.04687
0.978516154	0.947233964	0.968031	-0.04687
1.047180934	1.013700249	0.968028	-0.04688
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0.915790688	0.886433726	0.967944	-0.04701
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1.035478851	1.002159144	0.967822	-0.04719
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0.996959925	0.956862458	0.95978	-0.05922
1.059416039	1.016705829	0.959685	-0.05937
1.1558234	1.109168156	0.959635	-0.05944
1.073058663	1.029702333	0.959596	-0.0595
0.907801445	0.871111326	0.959584	-0.05952
0.987203236	0.947259439	0.959538	-0.05959
0.974741595	0.935301981	0.959538	-0.05959
0.915159005	0.878004686	0.959401	-0.05979
0.969661528	0.930287381	0.959394	-0.0598
1.130099554	1.084192939	0.959378	-0.05983
1.031699731	0.989781317	0.95937	-0.05984
1.053486322	1.010643682	0.959333	-0.0599
0.98658828	0.946464111	0.95933	-0.0599
0.924239757	0.886618825	0.959295	-0.05995
0.992550235	0.952091766	0.959238	-0.06004
1.038660074	0.996308642	0.959225	-0.06006
0.981628407	0.94157305	0.959195	-0.0601
1.142287843	1.095658526	0.959179	-0.06013
1.034595432	0.992314979	0.959133	-0.0602
1.064848805	1.021311355	0.959114	-0.06023
1.0241685	0.982180131	0.959002	-0.06039
1.001467286	0.960407626	0.959	-0.0604
0.997348811	0.956436497	0.958979	-0.06043
1.055220413	1.011914372	0.95896	-0.06046
0.993730822	0.95292295	0.958935	-0.0605
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1.022862331	0.980810522	0.958888	-0.06057
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1.023849074	0.981720101	0.958852	-0.06062
0.990417589	0.949634913	0.958823	-0.06066
1.004331839	0.962966429	0.958813	-0.06068
0.960502778	0.920932238	0.958802	-0.06069
0.915908133	0.878162876	0.958789	-0.06071
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1.016939818	0.97494649	0.958706	-0.06084
1.022868652	0.980614411	0.95869	-0.06086
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0.967080639	0.927104078	0.958663	-0.0609
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0.929020278	0.890327282	0.958351	-0.06137
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0.874487034	0.838018736	0.958297	-0.06145
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0.949963146	0.910274402	0.958221	-0.06157
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1.005980633	0.963520134	0.957792	-0.06222
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1.068400075	1.023287524	0.957776	-0.06224
0.936419067	0.896823717	0.957716	-0.06233
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1.076020005	1.030117271	0.95734	-0.0629
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0.975433221	0.93380081	0.957319	-0.06293
0.99885087	0.956155211	0.957255	-0.06302
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1.008630037	0.96506184	0.956805	-0.0637
1.02692959	0.982557472	0.956791	-0.06372
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0.97403787	0.929608121	0.954386	-0.06736
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1.022881653	0.975239707	0.953424	-0.06881
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0.95274326	0.880448577	0.924119	-0.11385
0.969400765	0.895815935	0.924092	-0.11389
1.061813852	0.981199477	0.924079	-0.11391
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0.999832395	0.895623412	0.895774	-0.15879
1.016367692	0.910410941	0.89575	-0.15883
1.052669224	0.942913748	0.895736	-0.15885
0.983389317	0.880826448	0.895705	-0.1589
1.053535602	0.943595995	0.895647	-0.159
1.013640825	0.90783668	0.89562	-0.15904
1.189434202	1.065274939	0.895615	-0.15905
1.105325933	0.989930699	0.895601	-0.15907
1.131833469	1.013531746	0.895478	-0.15927
0.975095824	0.873174464	0.895476	-0.15927

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0.942992377	0.84433266	0.895376	-0.15943
1.096278982	0.981534877	0.895333	-0.1595
1.051951652	0.941760979	0.895251	-0.15964
1.012745489	0.906632055	0.895222	-0.15968
1.172902704	1.04999767	0.895213	-0.1597
1.006287875	0.900832036	0.895203	-0.15971
0.99834189	0.893682172	0.895166	-0.15977
1.055404008	0.944727099	0.895133	-0.15983
1.028885371	0.920986065	0.89513	-0.15983
1.108386381	0.992123981	0.895107	-0.15987
1.111654419	0.995039627	0.895098	-0.15988
1.098013128	0.982812732	0.895083	-0.15991
1.068643526	0.956521071	0.89508	-0.15991
1.007146164	0.901377648	0.894982	-0.16007
1.039636982	0.930303963	0.894835	-0.16031
0.97158464	0.869390242	0.894817	-0.16034
1.008628837	0.90246711	0.894746	-0.16045
1.037716868	0.928480153	0.894734	-0.16047
0.984338687	0.88068535	0.894697	-0.16053
0.988240067	0.884163298	0.894685	-0.16055
1.02392247	0.916063924	0.894661	-0.16059
1.067238947	0.954709083	0.89456	-0.16075
0.922914783	0.82560097	0.894558	-0.16075
1.004088715	0.898188084	0.894531	-0.1608
1.150629621	1.029202311	0.894469	-0.1609
1.041240757	0.93120534	0.894323	-0.16113
1.08651147	0.971675295	0.894307	-0.16116
1.101862009	0.985278487	0.894194	-0.16134
0.969041218	0.866503444	0.894186	-0.16135
1.040311873	0.930226387	0.89418	-0.16136
1.03053005	0.921433824	0.894136	-0.16143
0.949593455	0.849023628	0.894092	-0.16151
1.121795845	1.00294093	0.894049	-0.16157
1.059990396	0.94766209	0.894029	-0.16161
1.146030445	1.024533835	0.893985	-0.16168
1.045806229	0.934932658	0.893983	-0.16168
1.157700584	1.034934032	0.893957	-0.16172
1.067938509	0.954602758	0.893874	-0.16186
0.986477404	0.881750853	0.893838	-0.16191
1.101829571	0.984848605	0.89383	-0.16193
1.073290376	0.959274752	0.89377	-0.16202
1.130862645	1.010667897	0.893714	-0.16211
1.039413297	0.928925091	0.893701	-0.16214
1.01774003	0.909551418	0.893697	-0.16214
1.101158798	0.984045611	0.893646	-0.16223
1.078696004	0.963963286	0.893638	-0.16224
1.189555519	1.063013659	0.893623	-0.16226
1.085310071	0.969810311	0.893579	-0.16233
1.045843967	0.934530919	0.893566	-0.16235
1.055548652	0.943184756	0.893549	-0.16238
0.981095729	0.876657361	0.893549	-0.16238

0.974681823	0.870926158	0.893549	-0.16238
1.080667661	0.965621151	0.893541	-0.16239
1.047654426	0.936121697	0.893541	-0.16239
1.11691277	0.997978512	0.893515	-0.16244
0.994135307	0.888249809	0.89349	-0.16248
1.002958931	0.896112604	0.893469	-0.16251
1.120440523	1.001062139	0.893454	-0.16253
1.092343306	0.97594691	0.893443	-0.16255
1.103807266	0.986157743	0.893415	-0.1626
0.959495326	0.857211706	0.893399	-0.16262
0.984411009	0.87946452	0.893392	-0.16264
1.032958346	0.922817873	0.893374	-0.16266
0.941066151	0.840661642	0.893308	-0.16277
1.088945747	0.972734012	0.893281	-0.16281
1.158982893	1.035288108	0.893273	-0.16283
1.087318598	0.971257488	0.893259	-0.16285
1.081653809	0.966118083	0.893186	-0.16297
1.133062431	1.012002318	0.893157	-0.16301
1.035427988	0.924757933	0.893117	-0.16308
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1.023337124	0.91380652	0.892967	-0.16332
1.014004635	0.905462275	0.892957	-0.16334
1.082130698	0.966276336	0.892939	-0.16337
1.101579381	0.983593621	0.892894	-0.16344
1.038066656	0.926816446	0.892829	-0.16354
1.140372746	1.018147208	0.89282	-0.16356
1.04930458	0.936834443	0.892815	-0.16357
1.096197139	0.978699754	0.892814	-0.16357
0.962847511	0.859637723	0.892808	-0.16358
1.03844189	0.927075718	0.892756	-0.16366
1.12043089	1.000271254	0.892756	-0.16366
0.938880207	0.838147784	0.89271	-0.16374
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1.149361207	1.026001228	0.892671	-0.1638
1.109420601	0.990339362	0.892664	-0.16381
1.107863954	0.988916746	0.892634	-0.16386
1.108557085	0.989491684	0.892594	-0.16392
1.122287615	1.001737989	0.892586	-0.16394
1.132718733	1.010974383	0.89252	-0.16404
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1.120746977	1.000046996	0.892304	-0.16439
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1.147011118	1.023427685	0.892256	-0.16447
1.010164744	0.90131329	0.892244	-0.16449
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1.090284788	0.965458841	0.885511	-0.17542
1.034432222	0.915999898	0.88551	-0.17542
1.176952054	1.042199363	0.885507	-0.17542
1.002607074	0.887766992	0.885459	-0.1755
0.967591358	0.856726179	0.885421	-0.17556
1.207362514	1.069003168	0.885404	-0.17559
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1.141318317	1.010416129	0.885306	-0.17575
1.037259903	0.918213288	0.88523	-0.17588
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1.060082712	0.937995226	0.884832	-0.17652
1.097755585	0.971324346	0.884828	-0.17653
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1.116571173	0.987964034	0.88482	-0.17654
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1.061250896	0.93876433	0.884583	-0.17693
1.051825277	0.930354052	0.884514	-0.17704
1.033509874	0.91410323	0.884465	-0.17712
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1.013065874	0.8958549	0.884301	-0.17739
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0.98582161	0.838449855	0.850509	-0.2336
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1.124448076	0.940956256	0.836816	-0.25702
1.078503011	0.902455229	0.836767	-0.2571
1.162038494	0.972334077	0.836749	-0.25713
1.030699254	0.862413154	0.836726	-0.25717
1.073445919	0.898083846	0.836636	-0.25733
1.026383657	0.858683366	0.836611	-0.25737
1.056432918	0.883741814	0.836534	-0.2575
1.001733051	0.837964686	0.836515	-0.25754
1.076396338	0.900311504	0.836413	-0.25771
1.100129749	0.920120546	0.836375	-0.25778
0.998812611	0.835353817	0.836347	-0.25783
1.221621229	1.02160621	0.836271	-0.25796
1.099752926	0.919683722	0.836264	-0.25797
1.125865183	0.94149492	0.836241	-0.25801
1.008273201	0.843069533	0.836152	-0.25816
1.00713	0.842066797	0.836105	-0.25824
1.076060605	0.899564057	0.835979	-0.25846
1.070567569	0.894945225	0.835954	-0.2585
1.124259602	0.939772403	0.835903	-0.25859
1.042132192	0.871108487	0.835891	-0.25861
1.184862332	0.990307125	0.835799	-0.25877
1.060405245	0.886280741	0.835794	-0.25878
1.107926511	0.925988967	0.835786	-0.2588
1.009502035	0.843726691	0.835785	-0.2588
1.07242156	0.896278505	0.835752	-0.25885
1.177593507	0.984015199	0.835615	-0.25909
1.041291363	0.869993838	0.835495	-0.2593
1.075339667	0.898312269	0.835375	-0.2595
1.0756655	0.898561752	0.835354	-0.25954
1.050550541	0.87757742	0.83535	-0.25955
1.10589745	0.923786449	0.835327	-0.25959

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1.080408498	0.90248154	0.835315	-0.25961
1.03987685	0.868569076	0.835261	-0.2597
1.094130049	0.913845977	0.835226	-0.25976
1.064057372	0.888670898	0.835172	-0.25985
1.101529229	0.919905881	0.835117	-0.25995
1.194613901	0.99763454	0.83511	-0.25996
1.120992522	0.936069768	0.835037	-0.26009
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1.196301194	0.99879639	0.834904	-0.26032
1.08160152	0.90289517	0.834776	-0.26054
1.13831828	0.950175468	0.834719	-0.26064
1.010946979	0.843829682	0.834692	-0.26068
1.218592747	1.017126859	0.834673	-0.26072
1.265484411	1.056228768	0.834644	-0.26077
1.195957249	0.998188431	0.834636	-0.26078
1.195288259	0.997495147	0.834523	-0.26098
1.006188151	0.839612393	0.834449	-0.2611
1.120330993	0.934839516	0.834432	-0.26113
0.995888238	0.830990135	0.834421	-0.26115
1.10398631	0.921143698	0.83438	-0.26122
1.142492992	0.95313395	0.834258	-0.26143
1.02636226	0.8561445	0.834154	-0.26161
1.014054394	0.845866543	0.834143	-0.26163
1.073089171	0.895088673	0.834123	-0.26167
1.187296255	0.990236813	0.834027	-0.26183
1.086862921	0.906437934	0.833995	-0.26189
1.062003114	0.88558127	0.833878	-0.26209
1.024510629	0.85418812	0.833752	-0.26231
0.95821432	0.798904461	0.833743	-0.26233
1.035193997	0.86307658	0.833734	-0.26234
1.197598171	0.998430499	0.833694	-0.26241
1.104135404	0.920480028	0.833666	-0.26246
1.049840143	0.875195165	0.833646	-0.26249
1.143815027	0.953503029	0.833616	-0.26254
1.19586224	0.996844057	0.833578	-0.26261
1.176925144	0.98095251	0.833488	-0.26277
1.171712253	0.976535789	0.833426	-0.26287
1.086185634	0.905221564	0.833395	-0.26293
1.134648355	0.945515439	0.833311	-0.26307
1.052900641	0.877322922	0.833244	-0.26319
1.153567073	0.961164319	0.833211	-0.26325
1.009288496	0.840867368	0.833129	-0.26339
1.087586624	0.906067685	0.833099	-0.26344
1.075992948	0.896396046	0.833087	-0.26346
1.169838704	0.97456827	0.833079	-0.26347
1.056360967	0.879980357	0.83303	-0.26356
1.029812165	0.857833393	0.833	-0.26361
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1.089701984	0.907521229	0.832816	-0.26393
1.120099527	0.932807895	0.83279	-0.26398
1.074307188	0.894653829	0.832773	-0.26401
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1.047229452	0.871958253	0.832633	-0.26425
1.116903103	0.929929616	0.832597	-0.26431
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1.028804769	0.85643877	0.83246	-0.26455
1.116678201	0.929543521	0.832418	-0.26462
1.231817519	1.025263597	0.832318	-0.26479
1.044312927	0.869195045	0.832313	-0.2648
1.044976878	0.869670673	0.832239	-0.26493
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1.196022399	0.995307045	0.832181	-0.26503
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1.117743366	0.929887228	0.831933	-0.26546
1.23766997	1.02965759	0.831932	-0.26546
1.14219333	0.950208101	0.831915	-0.26549
1.167958115	0.971631516	0.831906	-0.26551
1.137121572	0.945975396	0.831903	-0.26551
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1.159506261	0.964468409	0.831792	-0.2657
1.024949169	0.852511269	0.83176	-0.26576
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1.032603159	0.856891639	0.829836	-0.2691
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1.101483173	0.913855784	0.829659	-0.26941
1.05077712	0.87166756	0.829546	-0.26961
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1.007153252	0.835358259	0.829425	-0.26982
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1.073301835	0.88161353	0.821403	-0.28384
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1.070504388	0.879142113	0.821241	-0.28412
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1.172411875	0.962659591	0.821093	-0.28438
1.276011639	1.047710943	0.821083	-0.2844
1.1380809	0.934421171	0.82105	-0.28446
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1.159079403	0.950903474	0.820395	-0.28561
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1.064561826	0.872647308	0.819724	-0.28679
1.05397874	0.863938993	0.819693	-0.28684
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1.101678234	0.882920113	0.801432	-0.31935
1.022863266	0.819485439	0.801168	-0.31982
1.072986953	0.859457319	0.800995	-0.32013
1.110836985	0.889762503	0.800984	-0.32015
1.18588393	0.949721433	0.800855	-0.32039
1.223808924	0.97999751	0.800777	-0.32053
1.127518374	0.902841139	0.800733	-0.32061
1.147028004	0.918323181	0.800611	-0.32083
1.09409055	0.875900147	0.800574	-0.32089
1.165439749	0.932977745	0.800537	-0.32096
1.110712344	0.889097838	0.800475	-0.32107
1.180460588	0.944925486	0.800472	-0.32108
1.13671083	0.909752098	0.800337	-0.32132
1.248886088	0.999520408	0.80033	-0.32133
1.046634229	0.837600323	0.80028	-0.32142
1.040005217	0.832266334	0.800252	-0.32147
1.111376895	0.889301523	0.80018	-0.3216
1.062382595	0.849955344	0.800046	-0.32184
1.11755148	0.894016813	0.799978	-0.32197
1.149787937	0.919772572	0.79995	-0.32202
1.170008995	0.935887147	0.799897	-0.32211
1.037177596	0.829504459	0.799771	-0.32234
1.250337377	0.999913933	0.799715	-0.32244
1.131670494	0.904908702	0.799622	-0.32261
1.110267145	0.887644752	0.799488	-0.32285
1.078887867	0.862469223	0.799406	-0.323
1.080859341	0.863952802	0.79932	-0.32315
1.012508631	0.809013868	0.799019	-0.3237
1.137862488	0.909162572	0.799009	-0.32372
1.13483286	0.906691677	0.798965	-0.3238
1.062921251	0.8491	0.798836	-0.32403
1.115616841	0.89118883	0.798831	-0.32404
1.141962845	0.912217667	0.798816	-0.32407
1.141962845	0.912217667	0.798816	-0.32407
1.065953408	0.851455082	0.798773	-0.32414
1.064506997	0.85026034	0.798736	-0.32421
1.103327411	0.88097957	0.798475	-0.32468
1.039095334	0.829684958	0.798469	-0.32469

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1.150836685	0.91871434	0.798301	-0.32499
1.077430579	0.860093712	0.798282	-0.32503
1.08992262	0.869977901	0.798202	-0.32518
1.105039446	0.881937936	0.798105	-0.32535
1.035668189	0.826510955	0.798046	-0.32546
1.19269795	0.951790003	0.798014	-0.32551
1.223853331	0.976556767	0.797936	-0.32565
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1.041138067	0.830214649	0.797411	-0.32661
1.112260777	0.886909437	0.797393	-0.32664
1.009757952	0.805163844	0.797383	-0.32666
1.326957448	1.058076185	0.79737	-0.32668
1.246189375	0.993646292	0.797348	-0.32672
1.058521124	0.844001852	0.797341	-0.32673
1.17579534	0.93749689	0.79733	-0.32675
1.027690447	0.819369154	0.797292	-0.32682
1.123451468	0.895524965	0.797119	-0.32713
1.160720025	0.9251739	0.797069	-0.32722
1.079245599	0.860202503	0.797041	-0.32727
1.249067369	0.995432315	0.79694	-0.32746
1.134893641	0.904412887	0.796914	-0.3275
1.042973082	0.831157431	0.796912	-0.32751
1.165080992	0.928359448	0.79682	-0.32767
1.174495749	0.935800594	0.796768	-0.32777
0.952219985	0.758466055	0.796524	-0.32821
1.091942495	0.869454041	0.796245	-0.32872
1.222298198	0.973235486	0.796234	-0.32874
1.147015466	0.913210404	0.796162	-0.32887
1.081974843	0.861417122	0.796153	-0.32888
1.221827682	0.972744238	0.796139	-0.32891
1.1347706	0.903388108	0.796098	-0.32898
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1.24257001	0.988762472	0.79574	-0.32963
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1.025372692	0.815646203	0.795463	-0.33013
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1.03610265	0.823870739	0.795163	-0.33068
1.157565028	0.920305783	0.795036	-0.33091
1.150767943	0.914749768	0.794904	-0.33115
1.11898531	0.88942024	0.794845	-0.33125
1.070315755	0.850679989	0.794793	-0.33135

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0.975647488	0.775366992	0.79472	-0.33148
1.106506896	0.879206693	0.794579	-0.33174
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1.125567392	0.894328865	0.794558	-0.33178
1.037325593	0.824176609	0.794521	-0.33184
1.068452886	0.848723679	0.794348	-0.33216
1.005367755	0.798503987	0.794241	-0.33235
1.052704026	0.835892882	0.794044	-0.33271
1.297233462	1.029911215	0.793929	-0.33292
1.069700601	0.849261276	0.793924	-0.33293
1.172347975	0.930697639	0.793875	-0.33302
1.068131309	0.847823598	0.793745	-0.33325
1.145425077	0.909101111	0.79368	-0.33337
1.21750504	0.96614975	0.793549	-0.33361
1.04185445	0.826547164	0.793342	-0.33398
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1.108845635	0.879359512	0.793041	-0.33453
1.189949467	0.943666691	0.793031	-0.33455
1.117652319	0.886076634	0.792802	-0.33497
1.144365774	0.907229168	0.792779	-0.33501
1.195182937	0.947216956	0.792529	-0.33546
1.091677317	0.865174592	0.792519	-0.33548
1.073051663	0.850347737	0.792457	-0.33559
1.044007916	0.827210625	0.792341	-0.33581
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1.128983277	0.872837515	0.773118	-0.37124
1.20914571	0.934767312	0.773081	-0.37131
1.105443893	0.854583947	0.773069	-0.37133
1.119969533	0.865298342	0.772609	-0.37219
1.147504066	0.886358707	0.772423	-0.37254
1.354288566	1.0459587	0.772331	-0.37271
1.042816691	0.805013549	0.771961	-0.3734
1.162023901	0.897031838	0.771956	-0.37341
1.100561253	0.84953155	0.771908	-0.3735
1.121569768	0.865469311	0.771659	-0.37396
1.116874781	0.861783359	0.771602	-0.37407
0.921189843	0.710757862	0.771565	-0.37414
1.0536815	0.812570961	0.771173	-0.37487
1.108017072	0.854442448	0.771146	-0.37492
1.042863273	0.804190502	0.771137	-0.37494
1.193960411	0.920148331	0.770669	-0.37582
1.091568458	0.840955033	0.77041	-0.3763
1.302748235	1.003579742	0.770356	-0.3764
1.016798589	0.783276359	0.770336	-0.37644
1.048022529	0.807322939	0.77033	-0.37645
1.206042125	0.928739543	0.770072	-0.37693
1.106994633	0.852386083	0.77	-0.37707
1.212370504	0.933425959	0.769918	-0.37722
1.164641876	0.896660611	0.769902	-0.37725
1.195458946	0.920202063	0.769748	-0.37754
1.140479456	0.877520662	0.769431	-0.37814
1.021656004	0.786071144	0.769409	-0.37818
1.162142923	0.894115636	0.769368	-0.37825
1.10456415	0.849767686	0.769324	-0.37834
1.333691541	1.025777214	0.769126	-0.37871
1.070063554	0.822913087	0.769032	-0.37888
1.105304165	0.84994334	0.768968	-0.379
1.006785155	0.774099952	0.768883	-0.37916
0.951526003	0.731422128	0.768683	-0.37954
1.165845661	0.89615207	0.768671	-0.37956
1.056734023	0.812243382	0.768636	-0.37963
1.122727926	0.862963754	0.768631	-0.37964
1.101975064	0.846840107	0.768475	-0.37993
1.290890756	0.991972815	0.768441	-0.37999
1.09174047	0.838606301	0.768137	-0.38056
1.07022342	0.822063043	0.768123	-0.38059

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1.029023516	0.79036837	0.768076	-0.38068
1.150216104	0.883177337	0.767836	-0.38113
1.06592352	0.818367306	0.767754	-0.38128
1.03481093	0.793980969	0.767272	-0.38219
1.101498805	0.845034466	0.767168	-0.38239
1.125493137	0.863292321	0.767035	-0.38264
1.130287794	0.866954949	0.767021	-0.38266
1.111932948	0.852599867	0.766773	-0.38313
1.070667377	0.82080885	0.766633	-0.38339
1.055911391	0.809312685	0.766459	-0.38372
1.196380133	0.916963913	0.766449	-0.38374
1.050789193	0.805268445	0.766346	-0.38393
1.066384112	0.817204897	0.766333	-0.38396
1.180325325	0.904460677	0.766281	-0.38405
1.073811153	0.822463868	0.76593	-0.38472
1.348465152	1.032734339	0.765859	-0.38485
1.066261296	0.816454075	0.765717	-0.38512
1.198926575	0.917977081	0.765666	-0.38521
1.054601089	0.807445432	0.765641	-0.38526
1.147678349	0.878641921	0.765582	-0.38537
1.09174047	0.835810276	0.765576	-0.38538
1.143193098	0.875161148	0.765541	-0.38545
1.093887606	0.837342709	0.765474	-0.38557
1.09738959	0.839828486	0.765297	-0.38591
1.149651258	0.879810453	0.765285	-0.38593
1.105589362	0.845733203	0.764961	-0.38654
1.087435986	0.831826449	0.764943	-0.38658
1.150737156	0.880070019	0.764788	-0.38687
0.944107669	0.7220061	0.76475	-0.38694
1.135997322	0.868743109	0.76474	-0.38696
1.134464142	0.867063704	0.764294	-0.3878
1.162657341	0.88817451	0.763918	-0.38851
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1.064445841	0.813001969	0.76378	-0.38877
1.228780114	0.938297343	0.763601	-0.38911
1.272496474	0.971654831	0.763582	-0.38915
1.245058425	0.950633556	0.763525	-0.38925
1.119579868	0.854485041	0.763219	-0.38983
1.281147706	0.97779274	0.763216	-0.38984
0.983467905	0.750473206	0.763089	-0.39008
1.206017475	0.920278751	0.763072	-0.39011
1.155434099	0.88151487	0.76293	-0.39038
1.382012246	1.054134047	0.762753	-0.39071
1.080922235	0.824387867	0.762671	-0.39087
1.199645741	0.914777814	0.76254	-0.39112
1.030412326	0.785119972	0.761947	-0.39224
1.064120016	0.810690274	0.761841	-0.39244
1.043206523	0.794708428	0.761794	-0.39253
1.20233035	0.915638039	0.761553	-0.39298
1.075037541	0.818641831	0.761501	-0.39308
1.137407946	0.865953796	0.76134	-0.39339

1.111152396	0.845893155	0.761276	-0.39351
1.054862973	0.802830985	0.761076	-0.39389
1.121774221	0.853438875	0.760794	-0.39442
0.955671755	0.726775501	0.760487	-0.39501
1.061193739	0.80699718	0.760462	-0.39505
1.139689905	0.866543737	0.760333	-0.3953
1.098981358	0.8353846	0.760144	-0.39565
1.113272059	0.846203205	0.760105	-0.39573
1.201414268	0.913166275	0.760076	-0.39578
1.038295111	0.789093423	0.75999	-0.39595
1.01336783	0.770083693	0.759925	-0.39607
1.080063769	0.820763518	0.759921	-0.39608
1.141821289	0.867651436	0.759884	-0.39615
1.173579408	0.891411163	0.759566	-0.39675
1.150906818	0.873889977	0.759306	-0.39725
1.08845142	0.826431937	0.759273	-0.39731
1.121124939	0.851095585	0.759144	-0.39755
1.100869941	0.83556097	0.759001	-0.39783
1.081542929	0.820610984	0.758741	-0.39832
1.139492201	0.864386596	0.758572	-0.39864
1.165118227	0.883656079	0.758426	-0.39892
1.168379184	0.886079589	0.758384	-0.399
1.0740706	0.813929001	0.757798	-0.40011
1.068943018	0.809993761	0.757752	-0.4002
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1.162141532	0.876897538	0.754553	-0.40631
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1.245203489	0.937589918	0.752961	-0.40935
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1.206773361	0.908336748	0.752699	-0.40986
1.099755207	0.827693623	0.752616	-0.41001
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1.141139421	0.849126008	0.744104	-0.42642
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1.133967995	0.81113796	0.715309	-0.48336
1.257268732	0.897827781	0.71411	-0.48578
1.093500161	0.780605158	0.713859	-0.48629
1.318279047	0.939889142	0.712967	-0.48809
1.21541334	0.866359747	0.712811	-0.48841
1.198503132	0.853298374	0.71197	-0.49011
1.173187416	0.834442876	0.711261	-0.49155
1.24472151	0.885263296	0.711214	-0.49164
1.46902658	1.04376069	0.710512	-0.49307
0.981496712	0.696855104	0.709992	-0.49412
1.494403243	1.060050947	0.709347	-0.49544
1.082281982	0.767302912	0.708968	-0.49621
1.069227703	0.757758414	0.708697	-0.49676
1.068000639	0.756870011	0.708679	-0.4968
1.165672145	0.825790074	0.708424	-0.49732
1.132050247	0.801844858	0.708312	-0.49754
1.203345312	0.851629035	0.707718	-0.49875
1.189144937	0.841065662	0.707286	-0.49963
0.979530676	0.692566697	0.707039	-0.50014
1.175240211	0.830736808	0.706866	-0.50049
1.204288141	0.850564998	0.70628	-0.50169
1.15081229	0.812699513	0.706196	-0.50186
1.15766354	0.817056318	0.70578	-0.50271
1.112235857	0.784960547	0.70575	-0.50277
1.083573775	0.763611137	0.704715	-0.50489
1.249687472	0.880665673	0.704709	-0.5049
1.218670324	0.858546867	0.704495	-0.50534
1.08703732	0.764861962	0.703621	-0.50713
1.718350771	1.208807389	0.70347	-0.50744
1.103133609	0.775867931	0.703331	-0.50772
1.403821262	0.986996733	0.703079	-0.50824
1.048849881	0.736912732	0.702591	-0.50924
1.141352971	0.801904384	0.702591	-0.50924
1.277311956	0.89590566	0.701399	-0.51169
1.111738108	0.778364562	0.700133	-0.5143
1.339761161	0.937728347	0.699922	-0.51473
0.976267629	0.683020671	0.699624	-0.51535
1.312986432	0.917996623	0.699167	-0.51629
1.140561209	0.797058121	0.69883	-0.51699
1.217436785	0.850234413	0.698381	-0.51791
1.152414554	0.804143327	0.69779	-0.51914
1.012770841	0.706505968	0.697597	-0.51953
1.186584588	0.826622381	0.69664	-0.52151
0.969832279	0.675398589	0.696408	-0.522
1.107083419	0.770798729	0.696243	-0.52234
1.251725473	0.871235942	0.696028	-0.52278

1.263863439	0.879655091	0.696005	-0.52283
1.194755706	0.83140163	0.695876	-0.5231
1.14925504	0.79891465	0.695159	-0.52459
1.348637727	0.936282634	0.694243	-0.52649
1.191181494	0.826063166	0.693482	-0.52807
1.019454896	0.706096623	0.692622	-0.52986
1.38429625	0.957570545	0.691738	-0.5317
1.000692081	0.690863251	0.690385	-0.53453
1.230884485	0.849387668	0.690063	-0.5352
1.009458133	0.696167145	0.689644	-0.53608
1.085927485	0.748255274	0.689047	-0.53733
1.451235287	0.998930061	0.688331	-0.53883
1.209356663	0.831311756	0.6874	-0.54078
1.012437699	0.695723999	0.687177	-0.54125
1.061265453	0.729134671	0.687043	-0.54153
0.941798787	0.646780376	0.68675	-0.54214
1.117775554	0.766877234	0.686074	-0.54356
1.120454195	0.768454043	0.685842	-0.54405
1.225559695	0.839257557	0.684795	-0.54626
1.170010351	0.800956402	0.684572	-0.54673
1.13151395	0.772672808	0.682866	-0.55032
1.101642354	0.751503197	0.682166	-0.5518
1.138785393	0.774146626	0.6798	-0.55682
1.3604193	0.924597416	0.679642	-0.55715
1.157902161	0.78680841	0.679512	-0.55743
1.114512158	0.756802368	0.679044	-0.55842
1.145092174	0.776620953	0.678217	-0.56018
1.070980387	0.725471135	0.67739	-0.56194
1.221478157	0.827123308	0.677149	-0.56245
1.295604833	0.875331871	0.675616	-0.56572
1.277094264	0.862257006	0.675171	-0.56668
1.055147751	0.711823173	0.674619	-0.56785
1.336598009	0.900628982	0.673822	-0.56956
1.201566743	0.808568748	0.672929	-0.57147
1.150377296	0.768863119	0.668357	-0.58131
1.38749737	0.927208875	0.66826	-0.58152
1.132010642	0.756080635	0.667909	-0.58228
1.302956472	0.869849943	0.667597	-0.58295
1.151275425	0.768226794	0.667283	-0.58363
1.272280871	0.848539844	0.666944	-0.58436
1.3388717	0.891841585	0.666114	-0.58616
1.1536184	0.768308846	0.665999	-0.58641
1.090399764	0.725824903	0.66565	-0.58716
1.174623319	0.781058503	0.664944	-0.5887
1.296731239	0.8617862	0.664584	-0.58948
1.32140753	0.877065877	0.663736	-0.59132
1.060401651	0.702977775	0.662935	-0.59306
1.180903517	0.782111432	0.662299	-0.59445
1.23238511	0.816116711	0.662225	-0.59461
1.312830625	0.864911277	0.658814	-0.60206
0.99947027	0.657691909	0.65804	-0.60375
0.969304729	0.63752914	0.657718	-0.60446

1.066399875	0.700845777	0.657207	-0.60558
1.236015846	0.81150257	0.656547	-0.60703
1.018256679	0.668000745	0.656024	-0.60818
1.044965392	0.683354464	0.653949	-0.61275
0.977175634	0.638989231	0.653914	-0.61283
1.523087041	0.995529474	0.653626	-0.61346
1.208805624	0.789628623	0.65323	-0.61434
1.430938198	0.931959389	0.651293	-0.61862
1.127872363	0.731648427	0.648698	-0.62438
1.144254538	0.734489324	0.641893	-0.63959
1.219902777	0.779046571	0.638614	-0.64698
1.138244606	0.72575695	0.637611	-0.64925
0.987430981	0.628426448	0.636426	-0.65194
0.988646096	0.629175896	0.636402	-0.65199
1.137122525	0.722181173	0.635095	-0.65495
1.248843151	0.791083212	0.633453	-0.65869
1.266902567	0.801539833	0.632677	-0.66046
1.371632411	0.867170664	0.632218	-0.66151
1.199410871	0.750810866	0.625983	-0.6758
1.218754293	0.756829164	0.620986	-0.68737
1.091307314	0.674596393	0.618154	-0.69396
1.271044675	0.783970382	0.616792	-0.69714
1.350097371	0.826917525	0.612487	-0.70725
1.238397382	0.756715856	0.611044	-0.71065
1.349666804	0.819861084	0.607454	-0.71915
1.17788917	0.713881414	0.606068	-0.72245
1.172579098	0.710046377	0.605542	-0.7237
1.293124017	0.780376802	0.603482	-0.72862
1.065994915	0.642271596	0.602509	-0.73095
1.098106497	0.658519545	0.599686	-0.73772
0.956545946	0.569423226	0.595291	-0.74833
1.355745498	0.795109131	0.586474	-0.76986
1.304043457	0.759204983	0.582193	-0.78043
1.247671622	0.724904457	0.581006	-0.78338
1.149951987	0.667301871	0.580287	-0.78516
1.169578243	0.674343026	0.576569	-0.79443
1.150969442	0.653810758	0.568052	-0.8159
1.167777167	0.654156433	0.560172	-0.83606
1.282452297	0.702693163	0.547929	-0.86794
1.073565216	0.580573145	0.54079	-0.88686
1.186017799	0.632804803	0.533554	-0.90629
1.094755448	0.582391333	0.531983	-0.91055
1.267505567	0.663077987	0.523136	-0.93474
1.320258731	0.676686567	0.512541	-0.96426
1.06964483	0.543535277	0.508146	-0.97669
1.057323743	0.521049503	0.4928	-1.02092
1.168332388	0.57115693	0.488865	-1.03249
1.130899739	0.515330158	0.455682	-1.1339
1.13305384	0.481214588	0.424706	-1.23546
0.860980125	0.326278401	0.378962	-1.39988
1.225256977	0.457846868	0.373674	-1.42015
1.160089227	0.392497228	0.338334	-1.56348

1.147077796	0.279762796	0.243892	-2.03569
1.177117438	0.273600757	0.232433	-2.10511

Supplemental Table 2. DAVID clustering analysis of transcripts significantly dysregulated by miR-125b

Annotation Cluster 1		Enrichment Score: 3.3646920081386913			
Category	Term	Count	%	PValue	
UP_KEYWORDS	Mitochondrion	58	8.19209	1.78E-05	
GOTERM_CC_DIRECT	GO:0005739~mitochondrion	88	12.42938	2.82E-05	
GOTERM_CC_DIRECT	GO:0005743~mitochondrial inner membrane	27	3.813559	4.56E-04	
UP_KEYWORDS	Transit peptide	30	4.237288	9.16E-04	
GOTERM_CC_DIRECT	GO:0005759~mitochondrial matrix	16	2.259887	0.001352	
UP_KEYWORDS	Mitochondrion inner membrane	15	2.118644	0.022827	
Annotation Cluster 2		Enrichment Score: 3.1905435448383184			
Category	Term	Count	%	PValue	
KEGG_PATHWAY	mmu01130:Biosynthesis of antileukotrienes	24	3.389831	3.18E-06	
UP_KEYWORDS	Sterol biosynthesis	8	1.129944	8.86E-06	
UP_KEYWORDS	Steroid biosynthesis	9	1.271186	1.46E-05	
GOTERM_BP_DIRECT	GO:0016126~sterol biosynthetic process	8	1.129944	2.00E-05	
UP_KEYWORDS	Cholesterol biosynthesis	7	0.988701	2.00E-05	
GOTERM_BP_DIRECT	GO:0006694~steroid biosynthesis	10	1.412429	1.80E-04	
GOTERM_BP_DIRECT	GO:0008202~steroid metabolic process	11	1.553672	4.21E-04	
UP_KEYWORDS	Sterol metabolism	9	1.271186	5.33E-04	
GOTERM_BP_DIRECT	GO:0006695~cholesterol biosynthesis	7	0.988701	5.36E-04	
KEGG_PATHWAY	mmu00900:Terpenoid backbone biosynthesis	6	0.847458	0.001249	
UP_KEYWORDS	Cholesterol metabolism	8	1.129944	0.001281	
UP_KEYWORDS	Steroid metabolism	9	1.271186	0.001733	
GOTERM_BP_DIRECT	GO:0008299~isoprenoid biosynthesis	5	0.706215	0.00195	
KEGG_PATHWAY	mmu00100:Steroid biosynthesis	5	0.706215	0.004435	
GOTERM_BP_DIRECT	GO:0008203~cholesterol metabolic process	9	1.271186	0.008879	
UP_KEYWORDS	Lipid biosynthesis	12	1.694915	0.009476	
GOTERM_BP_DIRECT	GO:0006629~lipid metabolic process	25	3.531073	0.017395	
UP_KEYWORDS	Lipid metabolism	21	2.966102	0.029134	
GOTERM_CC_DIRECT	GO:0005777~peroxisome	9	1.271186	0.065953	
Annotation Cluster 3		Enrichment Score: 3.0375929795538847			
Category	Term	Count	%	PValue	
GOTERM_CC_DIRECT	GO:0043209~myelin sheath	22	3.107345	1.38E-06	
KEGG_PATHWAY	mmu01130:Biosynthesis of antileukotrienes	24	3.389831	3.18E-06	
GOTERM_BP_DIRECT	GO:0006099~tricarboxylic acid cycle	7	0.988701	3.05E-04	
UP_KEYWORDS	Tricarboxylic acid cycle	6	0.847458	7.96E-04	
KEGG_PATHWAY	mmu00020:Citrate cycle (TCA cycle)	6	0.847458	0.005712	
KEGG_PATHWAY	mmu00630:Glyoxylate and dicarboxylate metabolism	5	0.706215	0.020404	
KEGG_PATHWAY	mmu01200:Carbon metabolism	10	1.412429	0.026284	
KEGG_PATHWAY	mmu01210:2-Oxocarboxylic acid metabolism	3	0.423729	0.152453	
Annotation Cluster 4		Enrichment Score: 2.941483746641323			
Category	Term	Count	%	PValue	
GOTERM_CC_DIRECT	GO:0005794~Golgi apparatus	61	8.615819	5.60E-04	
UP_KEYWORDS	Golgi apparatus	39	5.508475	0.001507	
GOTERM_CC_DIRECT	GO:0000139~Golgi membrane	26	3.672316	0.001774	
Annotation Cluster 5		Enrichment Score: 2.8562536672336805			
Category	Term	Count	%	PValue	
KEGG_PATHWAY	mmu01130:Biosynthesis of antileukotrienes	24	3.389831	3.18E-06	

UP_KEYWORDS	NAD	18	2.542373	4.26E-05
UP_KEYWORDS	Oxidoreductase	33	4.661017	0.003801
GOTERM_MF_DIRECT	GO:0016491~oxidoreductase ac	33	4.661017	0.005601
GOTERM_BP_DIRECT	GO:0055114~oxidation-reductic	34	4.80226	0.015674
UP_KEYWORDS	NADP	9	1.271186	0.160985

Annotation Cluster 6	Enrichment Score: 2.5319754052780903			
Category	Term	Count	%	PValue
UP_KEYWORDS	Protein transport	34	4.80226	3.77E-04
GOTERM_BP_DIRECT	GO:0015031~protein transport	36	5.084746	6.20E-04
GOTERM_BP_DIRECT	GO:0006886~intracellular prote	18	2.542373	0.001766
UP_KEYWORDS	Transport	78	11.01695	0.004988
GOTERM_BP_DIRECT	GO:0006810~transport	80	11.29944	0.006355
GOTERM_BP_DIRECT	GO:0016192~vesicle-mediated t	13	1.836158	0.049132

Annotation Cluster 7	Enrichment Score: 2.499871364078248			
Category	Term	Count	%	PValue
UP_KEYWORDS	NAD	18	2.542373	4.26E-05
GOTERM_MF_DIRECT	GO:0051287~NAD binding	8	1.129944	0.002056
GOTERM_MF_DIRECT	GO:0016616~oxidoreductase ac	5	0.706215	0.019982
GOTERM_BP_DIRECT	GO:0006734~NADH metabolic p	3	0.423729	0.057184

Annotation Cluster 8	Enrichment Score: 1.9408285885598517			
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0006897~endocytosis	15	2.118644	0.002666
UP_KEYWORDS	Lipid-binding	13	1.836158	0.016905
GOTERM_MF_DIRECT	GO:0008289~lipid binding	16	2.259887	0.033391

Annotation Cluster 9	Enrichment Score: 1.9054493168388658			
Category	Term	Count	%	PValue
UP_KEYWORDS	Endosome	26	3.672316	0.002252
GOTERM_BP_DIRECT	GO:0006897~endocytosis	15	2.118644	0.002666
GOTERM_CC_DIRECT	GO:0005768~endosome	30	4.237288	0.007167
GOTERM_CC_DIRECT	GO:0031901~early endosome rr	7	0.988701	0.06545
GOTERM_CC_DIRECT	GO:0010008~endosome membr	8	1.129944	0.10547

Annotation Cluster 10	Enrichment Score: 1.8533787102452262			
Category	Term	Count	%	PValue
GOTERM_MF_DIRECT	GO:0016740~transferase activit	75	10.59322	1.47E-04
UP_KEYWORDS	Transferase	77	10.87571	1.67E-04
UP_KEYWORDS	Nucleotide-binding	75	10.59322	0.002188
GOTERM_MF_DIRECT	GO:0000166~nucleotide binding	79	11.15819	0.032559
UP_KEYWORDS	ATP-binding	54	7.627119	0.035618
GOTERM_BP_DIRECT	GO:0016310~phosphorylation	27	3.813559	0.109069
UP_KEYWORDS	Kinase	28	3.954802	0.126774
GOTERM_MF_DIRECT	GO:0005524~ATP binding	58	8.19209	0.144634
GOTERM_MF_DIRECT	GO:0016301~kinase activity	28	3.954802	0.166838

Annotation Cluster 11	Enrichment Score: 1.7892035039407068			
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0005913~cell-cell adherens	20	2.824859	0.008169
GOTERM_MF_DIRECT	GO:0098641~cadherin binding ii	18	2.542373	0.010946

GOTERM_BP_DIRECT	GO:0098609~cell-cell adhesion	12	1.694915	0.04797
Annotation Cluster 12	Enrichment Score: 1.7532118135768637			
Category	Term	Count	%	PValue
UP_KEYWORDS	Endoplasmic reticulum	47	6.638418	0.003004
GOTERM_CC_DIRECT	GO:0005783~endoplasmic reticu	58	8.19209	0.019682
GOTERM_CC_DIRECT	GO:0005789~endoplasmic reticu	31	4.378531	0.093038
Annotation Cluster 13	Enrichment Score: 1.7451574173880555			
Category	Term	Count	%	PValue
UP_KEYWORDS	DNA replication	11	1.553672	5.94E-04
GOTERM_BP_DIRECT	GO:0006284~base-excision repa	6	0.847458	0.006874
GOTERM_BP_DIRECT	GO:0006260~DNA replication	11	1.553672	0.007362
KEGG_PATHWAY	mmu03030:DNA replication	6	0.847458	0.008421
KEGG_PATHWAY	mmu03410:Base excision repair	5	0.706215	0.037948
UP_KEYWORDS	DNA damage	14	1.977401	0.217927
GOTERM_MF_DIRECT	GO:0003697~single-stranded DN	5	0.706215	0.290456
Annotation Cluster 14	Enrichment Score: 1.6620779306066307			
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0030424~axon	25	3.531073	0.001206
GOTERM_CC_DIRECT	GO:0043025~neuronal cell body	26	3.672316	0.046868
GOTERM_CC_DIRECT	GO:0030425~dendrite	21	2.966102	0.182688
Annotation Cluster 15	Enrichment Score: 1.582512719304874			
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0005874~microtubule	20	2.824859	0.01165
UP_KEYWORDS	Microtubule	16	2.259887	0.014757
UP_KEYWORDS	Cytoskeleton	45	6.355932	0.024894
GOTERM_CC_DIRECT	GO:0005856~cytoskeleton	49	6.920904	0.030594
UP_KEYWORDS	Motor protein	8	1.129944	0.093403
Annotation Cluster 16	Enrichment Score: 1.5641758595815476			
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0016575~histone deacetyl	6	0.847458	0.002323
GOTERM_BP_DIRECT	GO:0051153~regulation of striat	3	0.423729	0.003162
GOTERM_MF_DIRECT	GO:0033558~protein deacetyl	4	0.564972	0.004775
GOTERM_BP_DIRECT	GO:0048742~regulation of skele	3	0.423729	0.010085
GOTERM_BP_DIRECT	GO:0006325~chromatin organiz	6	0.847458	0.014206
GOTERM_MF_DIRECT	GO:0070491~repressing transcr	5	0.706215	0.019982
GOTERM_MF_DIRECT	GO:0004407~histone deacetyl	4	0.564972	0.047434
GOTERM_MF_DIRECT	GO:0032041~NAD-dependent h	3	0.423729	0.066124
GOTERM_MF_DIRECT	GO:0042826~histone deacetyl	8	1.129944	0.075911
GOTERM_CC_DIRECT	GO:0000118~histone deacetyl	4	0.564972	0.112491
GOTERM_MF_DIRECT	GO:0008134~transcription factc	15	2.118644	0.233965
GOTERM_BP_DIRECT	GO:0045892~negative regulatio	23	3.248588	0.269937
Annotation Cluster 17	Enrichment Score: 1.5398082328545197			
Category	Term	Count	%	PValue
GOTERM_MF_DIRECT	GO:0005525~GTP binding	25	3.531073	0.00198
UP_KEYWORDS	GTP-binding	19	2.683616	0.012633
GOTERM_BP_DIRECT	GO:0007264~small GTPase med	14	1.977401	0.048197

GOTERM_MF_DIRECT	GO:0003924~GTPase activity	12	1.694915	0.083865
UP_KEYWORDS	Prenylation	8	1.129944	0.197818
Annotation Cluster 18				
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0035335~peptidyl-tyrosine c	5	0.706215	0.00726
GOTERM_BP_DIRECT	GO:0016311~dephosphorylation	10	1.412429	0.009745
GOTERM_BP_DIRECT	GO:0043407~negative regulatio	6	0.847458	0.012931
GOTERM_MF_DIRECT	GO:0004725~protein tyrosine pl	9	1.271186	0.014473
GOTERM_BP_DIRECT	GO:0006470~protein dephospho	11	1.553672	0.015754
GOTERM_MF_DIRECT	GO:0004721~phosphoprotein pl	11	1.553672	0.016461
UP_KEYWORDS	Protein phosphatase	10	1.412429	0.017257
GOTERM_MF_DIRECT	GO:0016791~phosphatase activ	9	1.271186	0.040717
GOTERM_MF_DIRECT	GO:0008138~protein tyrosine/s	4	0.564972	0.143169
GOTERM_BP_DIRECT	GO:0070373~negative regulatio	5	0.706215	0.171364
GOTERM_MF_DIRECT	GO:0004722~protein serine/thr	4	0.564972	0.25226
Annotation Cluster 19				
Category	Term	Count	%	PValue
KEGG_PATHWAY	mmu00240:Pyrimidine metaboli	11	1.553672	0.003518
UP_KEYWORDS	DNA-directed RNA polymerase	4	0.564972	0.08232
GOTERM_MF_DIRECT	GO:0003899~DNA-directed RNA	4	0.564972	0.106554
Annotation Cluster 20				
Category	Term	Count	%	PValue
UP_KEYWORDS	Hydrolase	76	10.73446	2.36E-04
GOTERM_MF_DIRECT	GO:0016787~hydrolase activity	71	10.02825	0.002941
GOTERM_MF_DIRECT	GO:0004197~cysteine-type endo	7	0.988701	0.012629
UP_KEYWORDS	Protease	23	3.248588	0.100939
GOTERM_MF_DIRECT	GO:0008234~cysteine-type pepi	8	1.129944	0.182245
GOTERM_MF_DIRECT	GO:0008233~peptidase activity	22	3.107345	0.182738
GOTERM_BP_DIRECT	GO:0006508~proteolysis	24	3.389831	0.208381
UP_KEYWORDS	Thiol protease	7	0.988701	0.21948
Annotation Cluster 21				
Category	Term	Count	%	PValue
KEGG_PATHWAY	mmu00650:Butanoate metaboli	6	0.847458	0.002658
KEGG_PATHWAY	mmu00280:Valine, leucine and i	8	1.129944	0.003713
KEGG_PATHWAY	mmu01212:Fatty acid metabolis	6	0.847458	0.038034
KEGG_PATHWAY	mmu00072:Synthesis and degra	3	0.423729	0.059229
KEGG_PATHWAY	mmu00071:Fatty acid degradati	5	0.706215	0.103892
GOTERM_MF_DIRECT	GO:0000062~fatty-acyl-CoA bin	4	0.564972	0.106554
GOTERM_BP_DIRECT	GO:0006631~fatty acid metabol	8	1.129944	0.253443
Annotation Cluster 22				
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0007155~cell adhesion	28	3.954802	0.005589
GOTERM_MF_DIRECT	GO:0005178~integrin binding	9	1.271186	0.017128
GOTERM_BP_DIRECT	GO:0007160~cell-matrix adhesi	7	0.988701	0.043073
UP_KEYWORDS	Cell adhesion	21	2.966102	0.066178
UP_KEYWORDS	Immunoglobulin domain	18	2.542373	0.287391

Annotation Cluster 23	Enrichment Score: 1.3585926691391086			
Category	Term	Count	%	PValue
UP_KEYWORDS	Cell cycle	32	4.519774	0.00511
GOTERM_BP_DIRECT	GO:0007049~cell cycle	32	4.519774	0.012178
UP_KEYWORDS	Cell division	15	2.118644	0.236608
GOTERM_BP_DIRECT	GO:0051301~cell division	16	2.259887	0.249795
Annotation Cluster 24	Enrichment Score: 1.3075752965519618			
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0032869~cellular response t	8	1.129944	0.025671
KEGG_PATHWAY	mmu04012:ErbB signaling pathw	8	1.129944	0.039943
GOTERM_CC_DIRECT	GO:0032587~ruffle membrane	6	0.847458	0.116517
Annotation Cluster 25	Enrichment Score: 1.1596683208763676			
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0002315~marginal zone B ce	3	0.423729	0.02645
KEGG_PATHWAY	mmu04330:Notch signaling pat	5	0.706215	0.103892
GOTERM_BP_DIRECT	GO:0045747~positive regulatio	4	0.564972	0.120779
Annotation Cluster 26	Enrichment Score: 1.1400667718383926			
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0030173~integral componer	7	0.988701	0.005592
UP_KEYWORDS	Glycosyltransferase	13	1.836158	0.041242
GOTERM_MF_DIRECT	GO:0016757~transferase activit	13	1.836158	0.042019
UP_KEYWORDS	Signal-anchor	20	2.824859	0.075353
GOTERM_BP_DIRECT	GO:0006487~protein N-linked g	4	0.564972	0.113608
GOTERM_MF_DIRECT	GO:0008375~acetylglucosaminy	3	0.423729	0.150315
UP_KEYWORDS	Manganese	9	1.271186	0.221615
KEGG_PATHWAY	mmu00512:Mucin type O-Glyca	3	0.423729	0.274182
Annotation Cluster 27	Enrichment Score: 1.0911103286475734			
Category	Term	Count	%	PValue
GOTERM_MF_DIRECT	GO:0050839~cell adhesion mole	7	0.988701	0.028974
GOTERM_BP_DIRECT	GO:0008037~cell recognition	3	0.423729	0.07554
GOTERM_BP_DIRECT	GO:0007157~heterophilic cell-ci	4	0.564972	0.243494
Annotation Cluster 28	Enrichment Score: 1.0713883100645505			
Category	Term	Count	%	PValue
UP_KEYWORDS	Acyltransferase	11	1.553672	0.035228
GOTERM_MF_DIRECT	GO:0016746~transferase activit	10	1.412429	0.0998
GOTERM_MF_DIRECT	GO:0016747~transferase activit	3	0.423729	0.173708
Annotation Cluster 29	Enrichment Score: 1.0268666072997457			
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0005765~lysosomal membr	15	2.118644	0.022288
KEGG_PATHWAY	mmu04142:Lysosome	9	1.271186	0.078937
GOTERM_CC_DIRECT	GO:0005764~lysosome	15	2.118644	0.19949
UP_KEYWORDS	Lysosome	11	1.553672	0.222462
Annotation Cluster 30	Enrichment Score: 1.0176482674734544			
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0040008~regulation of grow	6	0.847458	0.076209

UP_KEYWORDS	Growth regulation	5	0.706215	0.084224
GOTERM_CC_DIRECT	GO:0035267~NuA4 histone acet	3	0.423729	0.137915
Annotation Cluster 31				
Enrichment Score: 0.992585825866926				
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0042787~protein ubiquitina	10	1.412429	0.032791
GOTERM_MF_DIRECT	GO:0016874~ligase activity	19	2.683616	0.053693
UP_KEYWORDS	Ligase	16	2.259887	0.076995
GOTERM_BP_DIRECT	GO:0016567~protein ubiquitina	18	2.542373	0.089646
GOTERM_BP_DIRECT	GO:0043161~proteasome-mediated	9	1.271186	0.118192
GOTERM_MF_DIRECT	GO:0061630~ubiquitin protein l	11	1.553672	0.12089
GOTERM_BP_DIRECT	GO:0000209~protein polyubiqui	7	0.988701	0.12339
UP_KEYWORDS	Ubl conjugation pathway	24	3.389831	0.205282
KEGG_PATHWAY	mmu04120:Ubiquitin mediated	8	1.129944	0.265122
Annotation Cluster 32				
Enrichment Score: 0.9741972371781901				
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0005814~centriole	8	1.129944	0.071892
GOTERM_CC_DIRECT	GO:0005813~centrosome	20	2.824859	0.123977
GOTERM_CC_DIRECT	GO:0000922~spindle pole	7	0.988701	0.134087
Annotation Cluster 33				
Enrichment Score: 0.9706516641158567				
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0005777~peroxisome	9	1.271186	0.065953
KEGG_PATHWAY	mmu04146: Peroxisome	7	0.988701	0.083435
UP_KEYWORDS	Peroxisome	6	0.847458	0.222566
Annotation Cluster 34				
Enrichment Score: 0.9363467087231263				
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0034220~ion transmembrar	5	0.706215	0.067827
GOTERM_MF_DIRECT	GO:0005216~ion channel activit	10	1.412429	0.108249
GOTERM_CC_DIRECT	GO:0043197~dendritic spine	8	1.129944	0.211415
Annotation Cluster 35				
Enrichment Score: 0.9362458794360116				
Category	Term	Count	%	PValue
KEGG_PATHWAY	mmu04370: VEGF signaling path	8	1.129944	0.00605
KEGG_PATHWAY	mmu04915: Estrogen signaling p	9	1.271186	0.026988
KEGG_PATHWAY	mmu04722: Neurotrophin signal	10	1.412429	0.034855
KEGG_PATHWAY	mmu05142: Chagas disease (Am	9	1.271186	0.03493
GOTERM_BP_DIRECT	GO:0007179~transforming grow	7	0.988701	0.036607
KEGG_PATHWAY	mmu04012: ErbB signaling pathv	8	1.129944	0.039943
GOTERM_BP_DIRECT	GO:0042542~response to hydro	6	0.847458	0.041397
GOTERM_BP_DIRECT	GO:0051726~regulation of cell c	8	1.129944	0.075992
KEGG_PATHWAY	mmu04660: T cell receptor signa	8	1.129944	0.07697
KEGG_PATHWAY	mmu04010: MAPK signaling patl	15	2.118644	0.07723
KEGG_PATHWAY	mmu05211: Renal cell carcinom	6	0.847458	0.103246
KEGG_PATHWAY	mmu05014: Amyotrophic lateral	5	0.706215	0.115967
KEGG_PATHWAY	mmu05220: Chronic myeloid leu	6	0.847458	0.123633
KEGG_PATHWAY	mmu05160: Hepatitis C	9	1.271186	0.126145
KEGG_PATHWAY	mmu05133: Pertussis	6	0.847458	0.134476
KEGG_PATHWAY	mmu04510: Focal adhesion	12	1.694915	0.13868
KEGG_PATHWAY	mmu04380: Osteoclast different	8	1.129944	0.179572

KEGG_PATHWAY	mmu04921:Oxytocin signaling p	9	1.271186	0.185118
KEGG_PATHWAY	mmu05145:Toxoplasmosis	7	0.988701	0.187376
KEGG_PATHWAY	mmu05152:Tuberculosis	10	1.412429	0.197286
KEGG_PATHWAY	mmu05230:Central carbon meta	5	0.706215	0.207031
GOTERM_BP_DIRECT	GO:0043065~positive regulatio	15	2.118644	0.214124
KEGG_PATHWAY	mmu05214:Glioma	5	0.706215	0.21476
KEGG_PATHWAY	mmu05215:Prostate cancer	6	0.847458	0.22066
KEGG_PATHWAY	mmu04912:GnRH signaling path	6	0.847458	0.22066
GOTERM_BP_DIRECT	GO:0071456~cellular response t	6	0.847458	0.250481
KEGG_PATHWAY	mmu04910:Insulin signaling pat	8	1.129944	0.253816
KEGG_PATHWAY	mmu05218:Melanoma	5	0.706215	0.262613
GOTERM_BP_DIRECT	GO:0018105~peptidyl-serine ph	7	0.988701	0.272665
GOTERM_BP_DIRECT	GO:0070374~positive regulatio	9	1.271186	0.277947
KEGG_PATHWAY	mmu04917:Prolactin signaling p	5	0.706215	0.279008
KEGG_PATHWAY	mmu05161:Hepatitis B	8	1.129944	0.288136

Annotation Cluster 36	Enrichment Score: 0.9053503699053653			
Category	Term	Count	%	PValue
UP_KEYWORDS	Metal-binding	118	16.66667	0.065987
GOTERM_MF_DIRECT	GO:0008270~zinc ion binding	44	6.214689	0.10319
GOTERM_MF_DIRECT	GO:0046872~metal ion binding	117	16.52542	0.28239

Annotation Cluster 37	Enrichment Score: 0.8555382627866979			
Category	Term	Count	%	PValue
KEGG_PATHWAY	mmu04973:Carbohydrate diges	5	0.706215	0.066654
KEGG_PATHWAY	mmu04922:Glucagon signaling p	7	0.988701	0.160339
KEGG_PATHWAY	mmu04910:Insulin signaling pat	8	1.129944	0.253816

Annotation Cluster 38	Enrichment Score: 0.8059275621206973			
Category	Term	Count	%	PValue
GOTERM_MF_DIRECT	GO:0005272~sodium channel ac	4	0.564972	0.07435
GOTERM_MF_DIRECT	GO:0015293~symporter activity	8	1.129944	0.075911
GOTERM_MF_DIRECT	GO:0005216~ion channel activit	10	1.412429	0.108249
UP_KEYWORDS	Symport	7	0.988701	0.119876
UP_KEYWORDS	Sodium channel	3	0.423729	0.206772
GOTERM_BP_DIRECT	GO:0055085~transmembrane tr	16	2.259887	0.216816
GOTERM_BP_DIRECT	GO:0006814~sodium ion transp	7	0.988701	0.223422
UP_KEYWORDS	Sodium transport	6	0.847458	0.256225
UP_KEYWORDS	Sodium	6	0.847458	0.296882

Annotation Cluster 39	Enrichment Score: 0.7862990312495719			
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0046855~inositol phosphate	3	0.423729	0.057184
GOTERM_BP_DIRECT	GO:0046856~phosphatidylinosit	3	0.423729	0.173761
KEGG_PATHWAY	mmu00562:Inositol phosphate r	5	0.706215	0.254487
KEGG_PATHWAY	mmu04070:Phosphatidylinosito	6	0.847458	0.28308

Annotation Cluster 40	Enrichment Score: 0.7788864395927995			
Category	Term	Count	%	PValue
UP_KEYWORDS	Antiport	4	0.564972	0.094063
GOTERM_BP_DIRECT	GO:0055085~transmembrane tr	16	2.259887	0.216816
GOTERM_MF_DIRECT	GO:0015297~antiporter activity	4	0.564972	0.225855

Annotation Cluster 41	Enrichment Score: 0.7374358844864422			
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0030030~cell projection org	9	1.271186	0.124856
GOTERM_BP_DIRECT	GO:0060271~cilium morphogen	9	1.271186	0.197184
UP_KEYWORDS	Cilium biogenesis/degradation	7	0.988701	0.249122
Annotation Cluster 42	Enrichment Score: 0.7253662249107085			
Category	Term	Count	%	PValue
UP_KEYWORDS	Exonuclease	4	0.564972	0.176371
GOTERM_MF_DIRECT	GO:0004518~nuclease activity	7	0.988701	0.177428
UP_KEYWORDS	Nuclease	7	0.988701	0.177524
GOTERM_MF_DIRECT	GO:0004527~exonuclease activi	4	0.564972	0.225855
Annotation Cluster 43	Enrichment Score: 0.6906235259629799			
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0055038~recycling endosom	4	0.564972	0.165397
GOTERM_BP_DIRECT	GO:0060271~cilium morphogen	9	1.271186	0.197184
GOTERM_BP_DIRECT	GO:0032456~endocytic recyclin	3	0.423729	0.197687
GOTERM_CC_DIRECT	GO:0030139~endocytic vesicle	4	0.564972	0.267996
Annotation Cluster 44	Enrichment Score: 0.6791468227406512			
Category	Term	Count	%	PValue
GOTERM_MF_DIRECT	GO:0005216~ion channel activit	10	1.412429	0.108249
UP_KEYWORDS	Potassium	7	0.988701	0.155768
GOTERM_MF_DIRECT	GO:0044325~ion channel bindin	7	0.988701	0.202421
GOTERM_BP_DIRECT	GO:0055085~transmembrane tr	16	2.259887	0.216816
GOTERM_BP_DIRECT	GO:0006813~potassium ion trar	7	0.988701	0.239515
GOTERM_CC_DIRECT	GO:0008076~voltage-gated pot	5	0.706215	0.258678
GOTERM_MF_DIRECT	GO:0005251~delayed rectifier p	3	0.423729	0.28329
GOTERM_BP_DIRECT	GO:0034765~regulation of ion t	7	0.988701	0.283956
Annotation Cluster 45	Enrichment Score: 0.6218209083523248			
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0000790~nuclear chromatin	11	1.553672	0.21532
GOTERM_MF_DIRECT	GO:0008134~transcription factc	15	2.118644	0.233965
GOTERM_MF_DIRECT	GO:0003682~chromatin binding	19	2.683616	0.270584

overexpression in MIN6 cells (T-RNA padj <0.1) and miR-125b direct targets RIP/t-RNA > 1.5. Enriched Ur

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
ISCA1, FEN1	686	1058	22680	1.81243	0.005851	8.27E-04	7.49E-04
ISCA1, FEN1	644	1721	19662	1.561146	0.013506	0.002266	0.002219
MTFP1, TAI	644	387	19662	2.130074	0.197263	0.031383	0.030731
ISCA1, OAT	686	510	22680	1.944778	0.26035	0.017786	0.016115
CBR2, FDPS	644	188	19662	2.598388	0.479039	0.054303	0.053177
MTFP1, TAI	686	254	22680	1.952435	0.999498	0.193152	0.175008

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
FDPS, OAT,	283	214	7691	3.047852	7.70E-04	7.70E-04	7.48E-04
FDPS, NSD1	686	26	22680	10.17268	0.002911	5.85E-04	5.30E-04
FDPS, NSD1	686	38	22680	7.83029	0.004783	8.02E-04	7.26E-04
FDPS, NSD1	595	27	18082	9.00442	0.049904	0.051172	0.051132
FDPS, NSD1	686	20	22680	11.57143	0.006571	8.27E-04	7.49E-04
FDPS, NSD1	595	62	18082	4.901599	0.369736	0.216036	0.215868
FDPS, NSD1	595	84	18082	3.979632	0.660686	0.216036	0.215868
FDPS, NSD1	686	62	22680	4.79921	0.160925	0.013534	0.012263
FDPS, NSD1	595	32	18082	6.647794	0.747092	0.22717	0.226993
FDPS, MVK,	283	23	7691	7.089568	0.261047	0.100777	0.097862
FDPS, NSD1	686	55	22680	4.808905	0.344077	0.022249	0.020159
FDPS, NSD1	686	74	22680	4.02096	0.434788	0.027228	0.02467
FDPS, MVK,	595	17	18082	8.938211	0.993326	0.555852	0.555419
NSDHL, MS	283	19	7691	7.151757	0.658885	0.134144	0.130263
FDPS, NSD1	595	89	18082	3.073138	1	0.923902	0.923182
FDPS, NSD1	686	160	22680	2.479592	0.956394	0.100877	0.091401
NAA40, AS	595	459	18082	1.655224	1	1	0.99961
FDPS, LYPL	686	417	22680	1.664954	0.99994	0.220635	0.199908
FDPS, GNP	644	131	19662	2.097553	1	0.859175	0.84135

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
NAPB, PDH	644	192	19662	3.49835	6.67E-04	2.23E-04	2.18E-04
FDPS, OAT,	283	214	7691	3.047852	7.70E-04	7.70E-04	7.48E-04
PDHA1, MC	595	29	18082	7.335497	0.543142	0.216036	0.215868
PDHA1, MC	686	25	22680	7.934694	0.230571	0.016799	0.015221
PDHA1, MC	283	32	7691	5.095627	0.749964	0.146412	0.142177
MDH1, PGF	283	29	7691	4.685634	0.993186	0.379821	0.368835
PDHA1, MC	283	116	7691	2.342817	0.998413	0.4354	0.422806
ACO1, ACO	283	19	7691	4.291054	1	0.997126	0.968284

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
GALNT11, A	644	1190	19662	1.565037	0.236769	0.033765	0.033064
RTN3, GAL	686	753	22680	1.712334	0.391138	0.024865	0.022529
RTN3, GAL	644	403	19662	1.969746	0.575057	0.065772	0.064408

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
FDPS, OAT,	283	214	7691	3.047852	7.70E-04	7.70E-04	7.48E-04

CBR2, MDH	686	183	22680	3.251924	0.013924	0.001563	0.001416
CTBP1, MSI	686	639	22680	1.707387	0.71433	0.048244	0.043712
CTBP1, GDI	574	604	17446	1.660584	0.991879	0.59997	0.59927
CTBP1, GDI	595	676	18082	1.528487	1	1	0.99961
CBR2, MTH	686	175	22680	1.700292	1	0.707352	0.640904

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
UNC119B, I	686	577	22680	1.948148	0.11666	0.010367	0.009393
UNC119B, I	595	592	18082	1.848035	0.79634	0.22717	0.226993
NAPB, NGF	595	232	18082	2.357838	0.989286	0.555852	0.555419
VPS29, MCI	686	1901	22680	1.356536	0.807009	0.058149	0.052686
VPS29, MCI	595	1822	18082	1.334354	1	0.919466	0.918749
NAPB, RTN	595	213	18082	1.854784	1	1	0.99961

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
CBR2, MDH	686	183	22680	3.251924	0.013924	0.001563	0.001416
HADHB, ALI	574	55	17446	4.420906	0.828596	0.352383	0.351972
NSDHL, MD	574	32	17446	4.74902	1	0.848025	0.847035
MDH1, GPC	595	12	18082	7.597479	1	1	0.99961

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
RAB1A, USF	595	181	18082	2.518501	0.998941	0.621664	0.621179
UNC119B, I	686	197	22680	2.181705	0.996337	0.149861	0.135783
UNC119B, I	574	270	17446	1.80111	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
VPS29, RAB	686	443	22680	1.940388	0.523658	0.03096	0.028051
RAB1A, USF	595	181	18082	2.518501	0.998941	0.621664	0.621179
VPS29, RAB	644	544	19662	1.683698	0.968793	0.215917	0.211437
TMEM184A	644	87	19662	2.456522	1	0.859175	0.84135
EHD1, VPS2	644	122	19662	2.002036	1	1	0.981289

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
DPAGT1, G	574	1472	17446	1.548593	0.118602	0.126236	0.126089
DPAGT1, G	686	1654	22680	1.539126	0.053579	0.005523	0.005004
TOR2A, HSF	686	1754	22680	1.413678	0.513589	0.03096	0.028051
TOR2A, HSF	574	1936	17446	1.24024	1	1	1
TOR2A, HSF	686	1363	22680	1.309836	0.999993	0.255519	0.231516
PDXK, BRSK	595	612	18082	1.340732	1	1	0.99961
PDXK, BRSK	686	707	22680	1.309355	1	0.589233	0.533881
TOR2A, HSF	574	1507	17446	1.169765	1	1	1
PDXK, BRSK	574	674	17446	1.262647	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
PTPN1, LYP	644	316	19662	1.932345	0.980814	0.231612	0.226807
PTPN1, LYP	574	279	17446	1.960886	0.99992	0.773066	0.772164

EEF1G, LYP1	595	189	18082	1.929518	1	1	0.99961
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Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
RTN2, DPAK	686	997	22680	1.558553	0.628294	0.039647	0.035922
DPAGT1, M	644	1323	19662	1.338474	0.999931	0.451749	0.442377
RTN2, DPAK	644	710	19662	1.333046	1	0.994798	0.97416

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
GINS2, POL	686	95	22680	3.828142	0.177535	0.013999	0.012684
SMUG1, FE	595	37	18082	4.928094	1	0.919466	0.918749
GINS2, POL	595	123	18082	2.717797	1	0.919466	0.918749
POLA2, FEN	283	35	7691	4.658859	0.870822	0.169828	0.164916
SMUG1, FE	283	35	7691	3.882383	0.999914	0.483309	0.469329
FEN1, LIG1,	686	336	22680	1.377551	1	0.844217	0.764912
SMUG1, CD	574	83	17446	1.830947	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
ROBO3, AC	644	370	19662	2.062909	0.440898	0.052825	0.051729
ACHE, RAB	644	534	19662	1.486531	1	0.776009	0.759909
ACHE, CHRI	644	490	19662	1.308474	1	1	0.981289

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
ODF2, MID	644	327	19662	1.867343	0.996476	0.31055	0.304107
ODF2, MID	686	264	22680	2.003711	0.992489	0.146324	0.132578
BRSK2, SRC	686	1073	22680	1.386538	0.99975	0.205377	0.186084
CEP19, CEP	644	1113	19662	1.344135	1	0.614435	0.601687
MYO1E, DN	686	128	22680	2.066327	1	0.470316	0.426135

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
HDAC4, HD	595	29	18082	6.287569	0.997437	0.595732	0.595267
HDAC4, HD	595	3	18082	30.38992	0.999704	0.675794	0.675267
HDAC4, HD	574	11	17446	11.05226	0.983456	0.584565	0.583882
HDAC4, HD	595	5	18082	18.23395	1	0.923902	0.923182
HDAC4, HD	595	44	18082	4.144079	1	1	0.99961
HDAC4, HD	574	32	17446	4.74902	1	0.848025	0.847035
HDAC4, HD	574	25	17446	4.862997	1	1	1
HDAC4, HD	574	13	17446	7.013937	1	1	1
HDAC4, HD	574	112	17446	2.170981	1	1	1
HDAC4, HD	644	36	19662	3.39234	1	1	0.981289
HDAC4, HD	574	342	17446	1.333058	1	1	1
HDAC4, HD	595	579	18082	1.207199	1	1	0.99961

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
RAB1A, ARF	574	383	17446	1.983925	0.816987	0.352383	0.351972
GBP6, RAB1	686	332	22680	1.892058	0.984745	0.130282	0.118043
RAB1A, ARF	595	236	18082	1.802792	1	1	0.99961

GBP6, GNA	574	209	17446	1.745094	1	1	1
RASD2, RAE	686	157	22680	1.684648	1	0.815998	0.739344

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
PTPN1, PGF	595	24	18082	6.331232	1	0.919466	0.918749
DUSP23, PT	595	109	18082	2.788066	1	0.923902	0.923182
PTPN1, SMI	595	43	18082	4.240453	1	1	0.99961
DUSP23, PT	574	97	17446	2.820037	0.999996	0.775213	0.774309
PPP6C, DUS	595	138	18082	2.422385	1	1	0.99961
PPP6C, DUS	574	139	17446	2.405259	0.999999	0.815507	0.814555
PPP6C, DUS	686	130	22680	2.543171	0.996743	0.149861	0.135783
DUSP23, PT	574	118	17446	2.318166	1	1	1
DUSP23, PT	574	40	17446	3.039373	1	1	1
PTPN1, PTE	595	66	18082	2.302266	1	1	0.99961
PPP6C, DUS	574	53	17446	2.293866	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
POLA2, ENT	283	100	7691	2.989435	0.573847	0.12835	0.124637
POLR2M, P	686	34	22680	3.889556	1	0.452758	0.410226
POLR2M, P	574	35	17446	3.473569	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
ACHE, POP	686	1646	22680	1.526521	0.074719	0.00708	0.006415
ACHE, POP	574	1533	17446	1.407668	0.919842	0.420007	0.419517
CTSO, USP2	574	59	17446	3.606036	0.999981	0.773066	0.772164
GGT5, ST14	686	542	22680	1.402967	1	0.497164	0.45046
CTSO, USP2	574	141	17446	1.724467	1	1	1
GGT5, ST14	574	516	17446	1.295857	1	1	1
GGT5, ST14	595	582	18082	1.253192	1	1	0.99961
CTSO, USP2	686	134	22680	1.727079	1	0.844217	0.764912

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
HMGCL, AL	283	27	7691	6.039262	0.47492	0.12835	0.124637
HADHB, HM	283	55	7691	3.952971	0.593479	0.12835	0.124637
HADHB, PP	283	51	7691	3.197256	0.999916	0.483309	0.469329
HMGCL, HM	283	11	7691	7.411821	1	0.682544	0.662801
HADHB, HA	283	49	7691	2.77313	1	0.866959	0.841882
HADHB, HM	574	35	17446	3.473569	1	1	1
HADHB, LYF	595	156	18082	1.558457	1	1	0.99961

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
SPON2, ACI	595	485	18082	1.754469	0.999999	0.919466	0.918749
NOV, ANP3	574	100	17446	2.735436	1	0.815507	0.814555
SNED1, BC	595	78	18082	2.7273	1	1	0.99961
SPON2, CAI	686	459	22680	1.512605	1	0.404422	0.366431
ROBO3, CN	686	481	22680	1.237218	1	0.929793	0.842449

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
BRSK2, SRC	686	626	22680	1.690031	0.814651	0.058149	0.052686
BRSK2, SRC	595	614	18082	1.583839	1	1	0.99961
BRSK2, LIG1	686	372	22680	1.333114	1	0.865303	0.784017
BRSK2, LIG1	595	374	18082	1.300103	1	1	0.99961

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
CEACAM1,	595	88	18082	2.76272	1	1	0.99961
SHC2, JUN,	283	87	7691	2.499005	0.999948	0.483309	0.469329
PAK1, SRC,	644	79	19662	2.318814	1	1	0.981289

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
LFNG, MFN	595	8	18082	11.39622	1	1	0.99961
LFNG, CTBP	283	49	7691	2.77313	1	0.866959	0.841882
LFNG, NOV,	595	37	18082	3.285396	1	1	0.99961

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
LFNG, ENTF	644	50	19662	4.274348	0.932974	0.192508	0.188514
DPAGT1, G	686	225	22680	1.910204	0.999999	0.283541	0.256906
DPAGT1, G	574	208	17446	1.899608	1	1	1
GGT5, GALI	686	439	22680	1.506206	1	0.438074	0.396922
DPAGT1, AI	595	36	18082	3.376657	1	1	0.99961
GCNT1, GCI	574	21	17446	4.341961	1	1	1
LFNG, PPP6	686	191	22680	1.557859	1	0.844217	0.764912
GALNT11, C	283	28	7691	2.911787	1	1	0.975104

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
SHTN1, CAI	574	71	17446	2.996565	1	1	1
CADM4, CA	595	14	18082	6.512125	1	1	0.99961
CADM4, CA	595	52	18082	2.337686	1	1	0.99961

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
HADHB, GG	686	171	22680	2.126745	0.999992	0.255519	0.231516
HADHB, GG	574	167	17446	1.819984	1	1	1
HADHB, KA	574	23	17446	3.964399	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
SCARB1, EN	644	234	19662	1.957119	0.999981	0.488316	0.478185
CTSO, NPC1	283	122	7691	2.004837	1	0.764109	0.742006
RAMP3, SR	644	331	19662	1.383583	1	1	0.981289
CTSO, NPC1	686	249	22680	1.460536	1	0.844217	0.764912

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
GAP43, KA1	595	69	18082	2.642601	1	1	0.99961

GAP43, KA1	686	55	22680	3.005566	1	0.455145	0.412389
KAT5, MOR	644	20	19662	4.579658	1	1	0.981289

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
ABTB1, MA	595	134	18082	2.267904	1	1	0.99961
LIG1, RNF14	574	362	17446	1.595251	1	1	1
LIG1, SYVN1	686	330	22680	1.602968	1	0.438074	0.396922
RNF44, RNF	595	362	18082	1.511101	1	1	0.99961
ABTB1, RNF	595	149	18082	1.835633	1	1	0.99961
RNF44, RNF	574	199	17446	1.680055	1	1	1
RNF14, SMI	595	103	18082	2.065334	1	1	0.99961
USP20, RNF	686	631	22680	1.257479	1	0.83213	0.75396
SMURF1, TI	283	142	7691	1.53108	1	1	0.975104

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
NIN, ODF2,	644	111	19662	2.200436	1	0.864697	0.846757
BRSK2, MD	644	435	19662	1.403727	1	1	0.981289
NIN, ODF2,	644	106	19662	2.016202	1	1	0.981289

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
FDPS, GNPAT	644	131	19662	2.097553	1	0.859175	0.84135
GNPAT, HM	283	83	7691	2.292009	1	0.776589	0.754126
GNPAT, HM	686	107	22680	1.8539	1	0.844217	0.764912

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
P2RX4, KCN	595	47	18082	3.23297	1	1	0.99961
CLCN5, P2R	574	170	17446	1.787866	1	1	1
GABBR1, P2	644	148	19662	1.650327	1	1	0.981289

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
PPP3R1, SH	283	60	7691	3.623557	0.769746	0.146412	0.142177
SHC2, GAB	283	98	7691	2.495817	0.998668	0.4354	0.422806
NGFR, SHC2	283	122	7691	2.227597	0.999813	0.483309	0.469329
GNA14, C10	283	103	7691	2.374661	0.999817	0.483309	0.469329
JUN, TGFB3	595	75	18082	2.836392	1	1	0.99961
SHC2, JUN,	283	87	7691	2.499005	0.999948	0.483309	0.469329
JUN, LIG1, S	595	58	18082	3.143784	1	1	0.99961
BOP1, JUN,	595	112	18082	2.170708	1	1	0.99961
PPP3R1, JU	283	101	7691	2.152608	1	0.764109	0.742006
JUN, TGFB3	283	251	7691	1.624104	1	0.764109	0.742006
ARNT2, JUN	283	68	7691	2.397942	1	0.866959	0.841882
PPP3R1, BA	283	51	7691	2.66438	1	0.925065	0.898307
SHC2, TGFE	283	72	7691	2.264723	1	0.925065	0.898307
CLDN11, SC	283	136	7691	1.798457	1	0.925065	0.898307
C1QA, JUN,	283	74	7691	2.203514	1	0.957153	0.929467
SHC2, JUN,	283	207	7691	1.57546	1	0.958875	0.931139
PPP3R1, JU	283	126	7691	1.725503	1	1	0.975104

RCAN1, PPF	283	150	7691	1.630601	1	1	0.975104
TGFB3, BAC	283	105	7691	1.811779	1	1	0.975104
PPP3R1, TG	283	176	7691	1.544129	1	1	0.975104
PDHA1, AK	283	64	7691	2.123178	1	1	0.975104
NGFR, JUN,	595	335	18082	1.360743	1	1	0.99961
SHC2, AKT2	283	65	7691	2.090514	1	1	0.975104
HSP90AB1,	283	88	7691	1.852955	1	1	0.975104
JUN, SRC, C	283	88	7691	1.852955	1	1	0.975104
SRC, BAD, E	595	103	18082	1.770286	1	1	0.99961
PTPN1, SHC	283	140	7691	1.552953	1	1	0.975104
BAD, AKT2,	283	71	7691	1.913851	1	1	0.975104
BRSK2, DM	595	133	18082	1.599469	1	1	0.99961
JUN, SRC, G	595	188	18082	1.454836	1	1	0.99961
SHC2, SRC,	283	73	7691	1.861416	1	1	0.975104
JUN, TGFB3	283	146	7691	1.489133	1	1	0.975104

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
SPON2, VP	686	3395	22680	1.149109	1	0.404422	0.366431
HDAC4, PD	574	1075	17446	1.244022	1	1	1
SPON2, VP	574	3355	17446	1.05993	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
G6PC2, G6P	283	42	7691	3.235319	1	0.733197	0.711988
PPP3R1, G6	283	100	7691	1.902367	1	1	0.975104
PTPN1, SHC	283	140	7691	1.552953	1	1	0.975104

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
SLC4A11, S	574	30	17446	4.052497	1	1	1
SLC24A3, S	574	112	17446	2.170981	1	1	1
CLCN5, P2R	574	170	17446	1.787866	1	1	1
SLC24A3, S	686	111	22680	2.084942	1	0.565128	0.51204
SCN4A, ASI	686	28	22680	3.542274	1	0.83213	0.75396
SLC37A1, S	595	364	18082	1.33582	1	1	0.99961
SLC24A3, S	595	124	18082	1.71556	1	1	0.99961
SLC24A3, S	686	113	22680	1.755463	1	0.880772	0.798033
SLC24A3, S	686	120	22680	1.653061	1	0.932354	0.844769

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
INPP4B, INF	595	12	18082	7.597479	1	1	0.99961
INPP4B, INF	595	23	18082	3.963902	1	1	0.99961
INPP4B, INF	283	70	7691	1.941191	1	1	0.975104
INPP4B, INF	283	97	7691	1.681032	1	1	0.975104

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
CLCN5, SLC	686	36	22680	3.673469	1	0.470316	0.426135
SLC37A1, S	595	364	18082	1.33582	1	1	0.99961
CLCN5, SLC	574	50	17446	2.431498	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
EHD1, UNC	595	151	18082	1.811319	1	1	0.99961
EHD1, UNC	595	170	18082	1.608878	1	1	0.99961
EHD1, UNC	686	140	22680	1.653061	1	0.880772	0.798033

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
CNOT6, FEM	686	48	22680	2.755102	1	0.751062	0.680508
CNOT6, RID	574	115	17446	1.850053	1	1	1
CNOT6, RID	686	125	22680	1.851429	1	0.751062	0.680508
CNOT6, FEM	574	50	17446	2.431498	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
EHD1, EHD	644	43	19662	2.840098	1	1	0.981289
EHD1, UNC	595	170	18082	1.608878	1	1	0.99961
EHD1, EHD	595	25	18082	3.64679	1	1	0.99961
EHD1, EHD	644	55	19662	2.22044	1	1	0.981289

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
CLCN5, P2R	574	170	17446	1.787866	1	1	1
SLC24A3, K	686	120	22680	1.928571	1	0.704158	0.63801
HSP90AB1,	574	120	17446	1.772967	1	1	1
SLC37A1, SI	595	364	18082	1.33582	1	1	0.99961
SLC24A3, K	595	127	18082	1.675035	1	1	0.99961
KCNC2, KCN	644	79	19662	1.932345	1	1	0.981289
KCNC2, KCN	574	32	17446	2.849412	1	1	1
KCNC2, KCN	595	135	18082	1.575773	1	1	0.99961

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
HDAC5, CB	644	228	19662	1.47299	1	1	0.981289
HDAC4, HD	574	342	17446	1.333058	1	1	1
HDAC4, CB	574	466	17446	1.239229	1	1	1

riProtein Keywords, Gene Ontology Terms and KEGGs Pathways were semantically clustered

	Gene.stable.ID.version	baseMean	log2FoldCh	lfcSE	stat	pvalue	padj
10280	ENSG00000205670.12	445.0836	2.001377	0.628596	3.183887	0.001453	0.042793
10729	ENSG00000240801.1	1416.153	1.596051	0.253907	6.285967	3.26E-10	1.01E-06
5491	ENSG00000142798.20	457.0967	1.365177	0.216576	6.30345	2.91E-10	1.01E-06
10067	ENSG00000198835.4	382.5031	1.317761	0.243754	5.406114	6.44E-08	4.60E-05
10231	ENSG00000204922.5	676.233	1.279651	0.203999	6.27284	3.55E-10	1.01E-06
11101	ENSG00000267303.1	455.2938	1.264564	0.262759	4.812633	1.49E-06	0.000585
7976	ENSG00000169962.5	735.2099	1.196024	0.211001	5.668327	1.44E-08	1.49E-05
1497	ENSG00000099769.6	676.6178	1.190356	0.221474	5.3747	7.67E-08	4.60E-05
10636	ENSG00000233913.7	175.2187	1.175033	0.282816	4.154767	3.26E-05	0.004075
783	ENSG00000070031.4	941.9234	1.158193	0.253547	4.567958	4.92E-06	0.001438
11151	ENSG00000270885.2	231.4317	1.116021	0.257749	4.329877	1.49E-05	0.002718
4257	ENSG00000130829.18	1250.591	1.087907	0.185128	5.87651	4.19E-09	6.01E-06
8164	ENSG00000171551.12	380.184	1.080925	0.275921	3.917517	8.95E-05	0.00743
8667	ENSG00000177133.11	189.2607	1.075515	0.311115	3.45697	0.000546	0.022791
9476	ENSG00000186998.16	3573.196	1.070503	0.197723	5.414155	6.16E-08	4.60E-05
5035	ENSG00000137880.6	2687.779	1.05386	0.173026	6.090771	1.12E-09	2.56E-06
11336	ENSG00000283782.2	377.2428	1.04845	0.255233	4.107813	3.99E-05	0.004357
7941	ENSG00000169692.13	8474.003	1.025035	0.173702	5.901098	3.61E-09	6.01E-06
10565	ENSG00000227097.5	949.7928	1.017987	0.214906	4.736884	2.17E-06	0.000772
10819	ENSG00000245848.3	1084.233	1.005448	0.183119	5.490687	4.00E-08	3.51E-05
10262	ENSG00000205363.5	221.2693	1.00074	0.34285	2.918887	0.003513	0.07377
10851	ENSG00000248859.2	338.3044	0.981946	0.231638	4.239143	2.24E-05	0.003346
1137	ENSG00000083807.10	364.4053	0.976654	0.226011	4.32127	1.55E-05	0.002718
4221	ENSG00000130702.15	2099.125	0.975436	0.173296	5.628722	1.82E-08	1.72E-05
94	ENSG00000006327.14	258.303	0.974073	0.24753	3.935175	8.31E-05	0.007226
4384	ENSG00000132329.11	1975.537	0.961724	0.221536	4.34117	1.42E-05	0.00269
6725	ENSG00000160180.15	603.5779	0.940898	0.208874	4.504616	6.65E-06	0.001683
11355	ENSG00000285304.1	195.5836	0.936376	0.284424	3.29218	0.000994	0.033454
5390	ENSG00000141526.17	864.0327	0.930424	0.184172	5.051916	4.37E-07	0.000226
5389	ENSG00000141524.16	202.2842	0.924077	0.327593	2.820809	0.00479	0.088433
11334	ENSG00000283293.1	246.7045	0.922601	0.302908	3.045812	0.002321	0.057443
4292	ENSG00000131187.10	156.9422	0.921051	0.346465	2.65842	0.007851	0.123531
4148	ENSG00000130005.13	2179.233	0.919406	0.158231	5.81054	6.23E-09	7.88E-06
11200	ENSG00000273420.1	383.6134	0.919322	0.241661	3.804176	0.000142	0.009924
2444	ENSG00000108106.14	11046.83	0.918952	0.199184	4.613591	3.96E-06	0.001218
9002	ENSG00000181873.13	319.1821	0.912659	0.289516	3.152361	0.00162	0.045544
5027	ENSG00000137825.11	159.4557	0.912361	0.319074	2.859401	0.004244	0.081917
3519	ENSG00000120913.23	170.081	0.912132	0.320442	2.846479	0.004421	0.083895
2656	ENSG00000110811.20	361.2596	0.907406	0.321694	2.820714	0.004792	0.088433
7340	ENSG00000165238.16	209.8093	0.907097	0.286442	3.166776	0.001541	0.044661
8360	ENSG00000173621.9	1107.918	0.899321	0.200974	4.474805	7.65E-06	0.001801
9037	ENSG00000182218.9	188.8963	0.893168	0.349202	2.557743	0.010535	0.148896
1361	ENSG00000090971.5	2866.305	0.891483	0.165402	5.389815	7.05E-08	4.60E-05
4506	ENSG00000133315.12	666.0051	0.890838	0.21049	4.23221	2.31E-05	0.003346
9459	ENSG00000186654.21	608.1005	0.88806	0.209868	4.23151	2.32E-05	0.003346
4236	ENSG00000130748.7	1762.178	0.88294	0.206	4.28612	1.82E-05	0.003045
10780	ENSG00000243449.6	1650.731	0.879471	0.194724	4.516511	6.29E-06	0.001627
11097	ENSG00000267059.2	720.8178	0.878127	0.212039	4.141341	3.45E-05	0.004183
9940	ENSG00000198113.3	894.9058	0.870386	0.181446	4.796944	1.61E-06	0.000611
9086	ENSG00000182809.11	4393.808	0.868317	0.179555	4.835949	1.33E-06	0.000539
2679	ENSG00000111186.13	179.5918	0.866623	0.313319	2.765944	0.005676	0.099359

9521	ENSG00000187714.7	5252.561	0.863852	0.147035	5.875129	4.23E-09	6.01E-06
83	ENSG00000006015.17	1163.161	0.863364	0.18435	4.683292	2.82E-06	0.000929
6213	ENSG00000152413.15	264.9958	0.862915	0.26001	3.318782	0.000904	0.03158
4841	ENSG00000136367.14	817.7878	0.859419	0.227507	3.777554	0.000158	0.010452
3570	ENSG00000121900.19	3898.117	0.854608	0.149563	5.714034	1.10E-08	1.26E-05
9498	ENSG00000187244.12	5544.035	0.850665	0.172305	4.936982	7.93E-07	0.000347
9361	ENSG00000185519.9	725.0767	0.849333	0.187837	4.521646	6.14E-06	0.001625
3782	ENSG00000125089.17	736.9116	0.84894	0.217776	3.898235	9.69E-05	0.007662
6626	ENSG00000158792.16	2092.454	0.848451	0.172623	4.915039	8.88E-07	0.000374
10177	ENSG00000204347.4	2264.167	0.848377	0.166603	5.092203	3.54E-07	0.000202
8662	ENSG00000177103.15	272.0416	0.847945	0.271229	3.126313	0.00177	0.047992
10556	ENSG00000226416.1	323.9392	0.847392	0.24126	3.512358	0.000444	0.019863
9093	ENSG00000182871.16	727.9469	0.846893	0.22795	3.715259	0.000203	0.011915
10003	ENSG00000198569.10	405.3213	0.845688	0.221237	3.822537	0.000132	0.00958
5971	ENSG00000148400.12	170.6377	0.845242	0.312564	2.704224	0.006846	0.113892
15	ENSG00000002330.14	3230.503	0.83908	0.187028	4.486373	7.24E-06	0.001755
5484	ENSG00000142694.6	1788.77	0.838325	0.185287	4.524459	6.06E-06	0.001625
9193	ENSG00000183828.15	1907.194	0.834988	0.19991	4.176821	2.96E-05	0.003769
1932	ENSG00000103024.7	2153.532	0.833933	0.187849	4.439382	9.02E-06	0.001938
8546	ENSG00000175602.4	1303.102	0.833741	0.213697	3.901505	9.56E-05	0.007662
7051	ENSG00000163499.12	10010.11	0.830861	0.176361	4.711127	2.46E-06	0.00085
3888	ENSG00000125995.16	2749.412	0.829032	0.188958	4.387382	1.15E-05	0.002333
1558	ENSG00000100116.17	848.6459	0.828106	0.191618	4.321649	1.55E-05	0.002718
882	ENSG00000073536.18	804.3434	0.825455	0.182405	4.525404	6.03E-06	0.001625
8854	ENSG00000179403.12	9968.019	0.82243	0.152939	5.3775	7.55E-08	4.60E-05
8028	ENSG00000170412.18	6859.594	0.818803	0.151606	5.400878	6.63E-08	4.60E-05
8093	ENSG00000170955.10	489.4391	0.81597	0.215356	3.788937	0.000151	0.01017
7618	ENSG00000167244.21	89140.96	0.8143	0.162049	5.02502	5.03E-07	0.000239
5577	ENSG00000143537.14	1943.103	0.814155	0.197821	4.11562	3.86E-05	0.004333
11111	ENSG00000267795.6	1258.926	0.809982	0.187239	4.325939	1.52E-05	0.002718
11231	ENSG00000275074.2	389.6688	0.809688	0.225217	3.59515	0.000324	0.015913
2401	ENSG00000107736.21	318.1223	0.808575	0.306154	2.641071	0.008264	0.128212
6874	ENSG00000162009.8	493.82	0.808048	0.206356	3.91579	9.01E-05	0.00743
4310	ENSG00000131435.13	286.5514	0.804889	0.237311	3.391706	0.000695	0.026364
8187	ENSG00000171813.14	206.3384	0.802233	0.272848	2.940216	0.00328	0.069808
5959	ENSG00000148334.15	3548.896	0.800758	0.161316	4.963905	6.91E-07	0.000315
10138	ENSG00000204052.4	366.3955	0.798419	0.218493	3.654212	0.000258	0.013413
10961	ENSG00000257529.5	271.5533	0.797921	0.262733	3.037007	0.002389	0.058206
1512	ENSG00000099864.18	1854.558	0.797757	0.17856	4.467712	7.91E-06	0.001801
9479	ENSG00000187045.19	6546.866	0.795852	0.192315	4.138273	3.50E-05	0.004194
6670	ENSG00000159335.18	16972.66	0.795157	0.191746	4.14694	3.37E-05	0.004132
9478	ENSG00000187024.15	386.435	0.794723	0.234501	3.388988	0.000702	0.026376
7432	ENSG00000165912.16	1021.319	0.793302	0.214961	3.69045	0.000224	0.012495
5468	ENSG00000142544.7	559.3702	0.791532	0.252252	3.137866	0.001702	0.046922
10554	ENSG00000226287.8	333.701	0.787697	0.25925	3.038369	0.002379	0.058206
8801	ENSG00000178896.9	1185.879	0.785849	0.216285	3.633395	0.00028	0.014283
4162	ENSG00000130193.8	3640.139	0.784901	0.175545	4.471221	7.78E-06	0.001801
8717	ENSG00000177697.19	6378.259	0.783415	0.187595	4.1761	2.97E-05	0.003769
1761	ENSG00000101220.18	1839.712	0.782748	0.202725	3.861126	0.000113	0.008684
9126	ENSG00000183186.8	1129.415	0.780163	0.186155	4.190939	2.78E-05	0.003678
10635	ENSG00000233493.4	1059.787	0.779173	0.200658	3.883095	0.000103	0.008044
8292	ENSG00000172922.11	3628.461	0.778867	0.154475	5.042013	4.61E-07	0.000228

10109	ENSG00000198931.11	3071.682	0.778742	0.174707	4.457428	8.29E-06	0.001838
9205	ENSG00000183971.9	344.7384	0.778709	0.295005	2.639651	0.008299	0.128575
7948	ENSG00000169738.8	4573.015	0.778446	0.189809	4.101199	4.11E-05	0.004374
8575	ENSG00000176020.9	570.4342	0.778361	0.264249	2.945558	0.003224	0.069262
7560	ENSG00000166823.5	687.6741	0.778172	0.192837	4.035378	5.45E-05	0.005306
9684	ENSG00000196358.11	725.4343	0.775663	0.195605	3.965449	7.33E-05	0.006649
6755	ENSG00000160325.14	10937.91	0.775589	0.172573	4.494261	6.98E-06	0.001728
4036	ENSG00000128311.14	1091.813	0.774577	0.20542	3.770701	0.000163	0.01053
11338	ENSG00000284194.3	773.7351	0.773627	0.192918	4.010142	6.07E-05	0.005758
9617	ENSG00000189043.10	306.5305	0.772723	0.229725	3.363681	0.000769	0.02798
10333	ENSG00000213221.5	388.3643	0.770407	0.234404	3.286664	0.001014	0.033951
8288	ENSG00000172889.16	6243.264	0.768322	0.173708	4.423065	9.73E-06	0.002052
5023	ENSG00000137818.12	28257.3	0.767763	0.169798	4.52164	6.14E-06	0.001625
1500	ENSG00000099795.7	4492.156	0.766934	0.185879	4.125992	3.69E-05	0.004289
7608	ENSG00000167136.7	1134.463	0.765061	0.182051	4.202458	2.64E-05	0.003579
2833	ENSG00000112667.13	1610.237	0.764024	0.194799	3.922113	8.78E-05	0.007425
2111	ENSG00000104870.13	12389.41	0.76274	0.185337	4.115418	3.86E-05	0.004333
4139	ENSG00000129911.9	1613.865	0.762318	0.181838	4.19228	2.76E-05	0.003678
3314	ENSG00000118160.14	737.4413	0.762082	0.259153	2.940667	0.003275	0.069808
4024	ENSG00000128185.10	3847.368	0.761947	0.17517	4.349765	1.36E-05	0.002651
10398	ENSG00000214063.11	942.554	0.759792	0.200041	3.798176	0.000146	0.010057
10270	ENSG00000205544.4	720.5224	0.758437	0.200115	3.79001	0.000151	0.01017
7288	ENSG00000164880.16	4870.844	0.756928	0.213834	3.539789	0.0004	0.01824
10355	ENSG00000213563.7	2769.256	0.755505	0.18367	4.113392	3.90E-05	0.004333
7464	ENSG00000166166.13	1097.902	0.754793	0.210242	3.59012	0.000331	0.015985
5431	ENSG00000141933.9	1290.93	0.754234	0.20283	3.718556	0.0002	0.011883
1567	ENSG00000100162.15	1459.835	0.754222	0.180648	4.175095	2.98E-05	0.003769
8646	ENSG00000176973.8	3515.345	0.753643	0.176537	4.269027	1.96E-05	0.003194
8673	ENSG00000177191.2	1008.613	0.752252	0.170246	4.418607	9.93E-06	0.002057
1509	ENSG00000099822.3	1408.848	0.75002	0.174157	4.306585	1.66E-05	0.002818
5922	ENSG00000147804.10	741.5054	0.748209	0.199868	3.743515	0.000181	0.011291
1910	ENSG00000102879.16	509.6737	0.747434	0.229902	3.251105	0.00115	0.036565
9294	ENSG00000184990.13	3317.84	0.747312	0.177128	4.219051	2.45E-05	0.003408
10513	ENSG00000223802.7	1558.104	0.746046	0.178138	4.188034	2.81E-05	0.003683
7688	ENSG00000167700.9	2469.761	0.745646	0.185904	4.010924	6.05E-05	0.005758
8326	ENSG00000173272.16	3774.64	0.744674	0.162667	4.577902	4.70E-06	0.001407
9102	ENSG00000182938.7	317.0078	0.743905	0.245046	3.035773	0.002399	0.058206
1523	ENSG00000099953.10	251.477	0.740573	0.261888	2.827821	0.004687	0.087044
8241	ENSG00000172366.20	1815.2	0.740281	0.180484	4.101651	4.10E-05	0.004374
1927	ENSG00000102981.9	1465.979	0.740029	0.194912	3.796728	0.000147	0.010057
9788	ENSG00000196976.7	2050.356	0.738916	0.17969	4.112177	3.92E-05	0.004333
9339	ENSG00000185347.18	824.7511	0.738516	0.218248	3.383834	0.000715	0.0266
10630	ENSG00000233276.6	5873.215	0.738117	0.179486	4.11239	3.92E-05	0.004333
1503	ENSG00000099804.9	3129.311	0.737029	0.169508	4.348053	1.37E-05	0.002651
2402	ENSG00000107742.13	323.0293	0.736863	0.246378	2.990789	0.002783	0.064011
9724	ENSG00000196544.8	984.7225	0.735912	0.205926	3.573669	0.000352	0.016716
8083	ENSG00000170889.14	21445.69	0.735177	0.170001	4.324543	1.53E-05	0.002718
6594	ENSG00000158292.7	5437.661	0.734731	0.157859	4.65436	3.25E-06	0.001028
638	ENSG00000065054.14	474.9178	0.734695	0.20412	3.599337	0.000319	0.015795
6828	ENSG00000161179.14	1472.771	0.734605	0.191973	3.8266	0.00013	0.009545
7751	ENSG00000168101.14	1684.635	0.734592	0.177805	4.131458	3.60E-05	0.004248
3516	ENSG00000120896.13	1300.353	0.734318	0.190265	3.859447	0.000114	0.008685

9179	ENSG00000183734.4	3831.832	0.733364	0.154721	4.73991	2.14E-06	0.000772
3185	ENSG00000116661.11	281.69	0.733315	0.254427	2.882225	0.003949	0.078336
7472	ENSG00000166189.8	1534.417	0.733237	0.186423	3.933197	8.38E-05	0.007231
8954	ENSG00000181029.9	2987.711	0.732491	0.172585	4.244238	2.19E-05	0.003346
1511	ENSG00000099849.15	1902.577	0.731958	0.206325	3.547595	0.000389	0.01785
7940	ENSG00000169689.15	1836.657	0.731783	0.171385	4.269822	1.96E-05	0.003194
5012	ENSG00000137731.14	1309.963	0.731265	0.172016	4.251132	2.13E-05	0.003346
3603	ENSG00000122490.19	3310.29	0.730698	0.179018	4.081701	4.47E-05	0.004586
1971	ENSG00000103254.10	1906.309	0.730594	0.211728	3.450625	0.000559	0.022827
1453	ENSG00000095906.17	5107.004	0.730023	0.178628	4.086838	4.37E-05	0.004586
10234	ENSG00000204950.4	1191.706	0.729934	0.179132	4.074843	4.60E-05	0.004681
8186	ENSG00000171798.18	691.6356	0.728828	0.21182	3.440783	0.00058	0.023339
8918	ENSG00000180448.10	464.0661	0.727394	0.237222	3.066294	0.002167	0.055087
9110	ENSG00000183010.17	5670.749	0.726691	0.155246	4.680905	2.86E-06	0.000929
3408	ENSG00000119632.4	661.3344	0.726578	0.230304	3.154867	0.001606	0.045443
9477	ENSG00000187017.17	1225.273	0.725565	0.197536	3.673081	0.00024	0.012994
6315	ENSG00000154146.13	1215.621	0.725149	0.20354	3.562693	0.000367	0.017201
9047	ENSG00000182327.8	539.7465	0.724086	0.229126	3.160212	0.001577	0.04527
10945	ENSG00000256514.1	313.0068	0.723815	0.239777	3.018696	0.002539	0.05985
8552	ENSG00000175701.10	489.6309	0.723476	0.241744	2.992734	0.002765	0.063844
2266	ENSG00000106003.13	845.7731	0.723207	0.19488	3.711033	0.000206	0.011992
1045	ENSG00000079462.7	5874.387	0.723195	0.192383	3.759146	0.00017	0.010726
10139	ENSG00000204060.7	991.7198	0.721318	0.171495	4.206066	2.60E-05	0.003565
3043	ENSG00000115286.20	2988.462	0.72051	0.179246	4.019672	5.83E-05	0.005624
2228	ENSG00000105696.9	670.6013	0.719236	0.227646	3.159454	0.001581	0.04527
7950	ENSG00000169750.9	1889.336	0.719185	0.184672	3.894391	9.84E-05	0.007731
9212	ENSG00000184058.14	787.3485	0.718611	0.183271	3.921038	8.82E-05	0.007425
5271	ENSG00000140332.17	1008.59	0.718145	0.221676	3.239619	0.001197	0.03734
9234	ENSG00000184281.15	2641.016	0.71636	0.195971	3.655446	0.000257	0.01341
2117	ENSG00000104886.12	2562.152	0.716061	0.193897	3.692999	0.000222	0.012432
8473	ENSG00000174886.14	6251.153	0.715367	0.17922	3.991567	6.56E-05	0.006126
2195	ENSG00000105472.13	319.7085	0.715178	0.245202	2.916689	0.003538	0.07378
3407	ENSG00000119630.14	1518.337	0.71508	0.190189	3.759841	0.00017	0.010726
3232	ENSG00000117122.14	657.3818	0.714496	0.1871	3.8188	0.000134	0.009665
6070	ENSG00000149823.9	5817.748	0.714465	0.169235	4.221733	2.42E-05	0.003408
6853	ENSG00000161682.15	4371.086	0.714151	0.180663	3.952943	7.72E-05	0.006814
5430	ENSG00000141905.19	880.3747	0.713888	0.237081	3.011158	0.002603	0.061229
7851	ENSG00000168913.7	3425.782	0.71267	0.167228	4.261664	2.03E-05	0.003254
2963	ENSG00000114395.11	1478.932	0.712624	0.181808	3.919649	8.87E-05	0.007425
10802	ENSG00000244187.8	2077.049	0.712301	0.19358	3.679627	0.000234	0.012793
6812	ENSG00000160972.9	2256.269	0.711997	0.162698	4.376198	1.21E-05	0.002413
3733	ENSG00000124302.13	556.3595	0.711619	0.215598	3.30067	0.000965	0.032884
7784	ENSG00000168350.8	326.6213	0.711519	0.227864	3.122557	0.001793	0.048493
6900	ENSG00000162302.13	1469.687	0.710709	0.178411	3.983559	6.79E-05	0.006285
127	ENSG00000007376.8	2190.479	0.71058	0.192152	3.698012	0.000217	0.012366
10060	ENSG00000198816.7	5466.856	0.709226	0.174931	4.054313	5.03E-05	0.004979
3828	ENSG00000125652.8	1802.455	0.708515	0.189663	3.735662	0.000187	0.011586
2075	ENSG00000104518.11	396.871	0.707837	0.246688	2.869358	0.004113	0.080277
7743	ENSG00000168061.17	2575.295	0.705635	0.20582	3.428412	0.000607	0.024172
1621	ENSG00000100379.17	1579.9	0.705398	0.178035	3.962134	7.43E-05	0.006649
8718	ENSG00000177700.6	2515.902	0.703918	0.182503	3.857026	0.000115	0.008713
231	ENSG00000013306.16	8325.536	0.703783	0.157979	4.454917	8.39E-06	0.001838

1929	ENSG00000102996.5	4270.505	0.703211	0.166677	4.219002	2.45E-05	0.003408
11034	ENSG00000261236.8	2933.406	0.701747	0.195279	3.593562	0.000326	0.015941
3652	ENSG00000123159.16	5065.051	0.701515	0.18279	3.837811	0.000124	0.009239
1525	ENSG00000099958.15	792.8442	0.701471	0.179871	3.899849	9.63E-05	0.007662
7979	ENSG00000169972.12	930.6817	0.701461	0.182208	3.849777	0.000118	0.008915
7290	ENSG00000164889.14	12592.14	0.700069	0.218646	3.201838	0.001366	0.040919
7942	ENSG00000169696.16	2103.344	0.697602	0.208636	3.343632	0.000827	0.029703
3984	ENSG00000127540.12	1563.682	0.695059	0.167622	4.146575	3.37E-05	0.004132
2131	ENSG00000104976.12	865.1465	0.694953	0.195558	3.553693	0.00038	0.017655
2924	ENSG00000113763.12	3138.471	0.694888	0.16823	4.130575	3.62E-05	0.004248
10338	ENSG00000213339.9	1621.113	0.694549	0.164073	4.233171	2.30E-05	0.003346
3557	ENSG00000121680.16	1342.059	0.694204	0.183567	3.781752	0.000156	0.01037
10519	ENSG00000224051.7	898.8533	0.694094	0.189112	3.670275	0.000242	0.013014
9116	ENSG00000183048.12	4075.152	0.693751	0.174239	3.9816	6.85E-05	0.006286
713	ENSG00000067221.14	1807.25	0.692816	0.192876	3.592022	0.000328	0.015967
8866	ENSG00000179627.10	636.813	0.690216	0.191316	3.60773	0.000309	0.015495
10722	ENSG00000240342.3	6019.326	0.68965	0.167943	4.106456	4.02E-05	0.004357
5429	ENSG00000141873.11	4411.742	0.689603	0.18936	3.641762	0.000271	0.013952
124	ENSG00000007255.10	507.1558	0.688203	0.211793	3.249414	0.001156	0.036593
9026	ENSG00000182154.8	2832.684	0.686934	0.171474	4.006045	6.17E-05	0.005811
6186	ENSG00000152082.15	9085.734	0.685861	0.167915	4.084577	4.42E-05	0.004586
6741	ENSG00000160226.16	979.4773	0.685344	0.23081	2.969298	0.002985	0.066513
1495	ENSG00000099624.8	3218.772	0.684821	0.198361	3.452401	0.000556	0.022791
7454	ENSG00000166126.11	3997.163	0.684814	0.179777	3.80923	0.000139	0.009881
9390	ENSG00000185803.12	4714.603	0.682721	0.194398	3.511967	0.000445	0.019863
9182	ENSG00000183751.15	2283.279	0.682186	0.220006	3.100767	0.00193	0.050878
1502	ENSG00000099800.8	2492.82	0.680872	0.179033	3.803044	0.000143	0.009924
9051	ENSG00000182379.10	457.9034	0.680491	0.235539	2.889082	0.003864	0.077723
767	ENSG00000069275.13	5936.907	0.680444	0.167279	4.067731	4.75E-05	0.004784
10543	ENSG00000225663.8	4537.201	0.679113	0.199886	3.397504	0.00068	0.026149
11329	ENSG00000283103.3	345.8121	0.678286	0.221431	3.063199	0.00219	0.055418
2651	ENSG00000110719.10	408.5482	0.677747	0.210382	3.221498	0.001275	0.039246
9166	ENSG00000183628.14	2812.337	0.675689	0.171631	3.936876	8.25E-05	0.007226
6067	ENSG00000149798.5	317.06	0.675395	0.254028	2.658741	0.007843	0.123531
4261	ENSG00000130881.14	5276.902	0.675251	0.17049	3.960654	7.47E-05	0.006649
7428	ENSG00000165886.5	574.4811	0.675203	0.225141	2.999017	0.002709	0.062943
8330	ENSG00000173327.8	5741.092	0.673282	0.182048	3.698371	0.000217	0.012366
7408	ENSG00000165716.11	2162.256	0.671818	0.164573	4.082183	4.46E-05	0.004586
8144	ENSG00000171425.10	673.9269	0.671152	0.213237	3.147442	0.001647	0.045968
9551	ENSG00000188186.10	2589.772	0.671098	0.192994	3.477305	0.000506	0.021691
9393	ENSG00000185818.8	937.7977	0.670127	0.212442	3.154397	0.001608	0.045443
9402	ENSG00000185909.15	2498.412	0.670119	0.1828	3.665869	0.000246	0.013132
3941	ENSG00000126768.12	10100.51	0.670073	0.194454	3.445923	0.000569	0.02305
6848	ENSG00000161618.10	1014.473	0.669736	0.197629	3.388854	0.000702	0.026376
3815	ENSG00000125520.14	9546.26	0.669286	0.164877	4.059316	4.92E-05	0.004916
11211	ENSG00000274012.1	1391.97	0.668056	0.192424	3.471798	0.000517	0.022048
11272	ENSG00000277972.2	1384.914	0.66711	0.176109	3.788054	0.000152	0.01017
10348	ENSG00000213445.10	1213.338	0.666957	0.212693	3.135768	0.001714	0.047145
4327	ENSG00000131591.17	557.1083	0.666868	0.204085	3.267597	0.001085	0.035348
3850	ENSG00000125817.8	13040.07	0.665952	0.193184	3.447238	0.000566	0.023032
916	ENSG00000075043.18	3407.323	0.665596	0.17883	3.721953	0.000198	0.011848
4027	ENSG00000128228.5	2456.075	0.665399	0.173971	3.824763	0.000131	0.009555

4035	ENSG00000128309.16	3581.402	0.663811	0.195164	3.401294	0.000671	0.026065
10701	ENSG00000238227.8	2661.798	0.66251	0.173952	3.808584	0.00014	0.009881
9112	ENSG00000183018.9	414.2255	0.66189	0.217166	3.047847	0.002305	0.057305
10575	ENSG00000228300.14	1263.351	0.661433	0.207809	3.18289	0.001458	0.042793
2304	ENSG00000106399.11	339.6848	0.661039	0.252668	2.616235	0.008891	0.133911
8152	ENSG00000171462.15	310.6744	0.660175	0.228792	2.885482	0.003908	0.078074
4232	ENSG00000130731.16	1647.491	0.659894	0.204924	3.220181	0.001281	0.03932
152	ENSG00000008382.16	1016.076	0.658942	0.201689	3.267117	0.001086	0.035348
8477	ENSG00000174917.9	1614.695	0.658582	0.182045	3.617682	0.000297	0.015044
5422	ENSG00000141753.7	625.8083	0.657967	0.221894	2.965235	0.003025	0.067004
5609	ENSG00000143774.16	5137.057	0.65745	0.167405	3.927306	8.59E-05	0.007355
8610	ENSG00000176428.6	749.7276	0.656667	0.190135	3.453682	0.000553	0.022791
3898	ENSG00000126106.14	798.3878	0.656049	0.177461	3.696855	0.000218	0.012366
6048	ENSG00000149541.10	6633.203	0.655928	0.196301	3.341447	0.000833	0.029844
1313	ENSG00000089356.18	1032.981	0.655877	0.192293	3.410818	0.000648	0.025424
9920	ENSG00000197982.14	3582.41	0.655541	0.193111	3.394642	0.000687	0.02617
8416	ENSG00000174276.7	890.9597	0.655205	0.20954	3.126869	0.001767	0.047992
3919	ENSG00000126432.14	10516	0.655099	0.17207	3.807164	0.000141	0.009881
8661	ENSG00000177096.9	575.1388	0.65497	0.206529	3.171327	0.001517	0.044079
5456	ENSG00000142327.13	5685.834	0.654828	0.187588	3.490769	0.000482	0.021171
4331	ENSG00000131669.10	352.9911	0.654821	0.228675	2.863541	0.004189	0.081129
11245	ENSG00000276168.1	1083.09	0.654574	0.222349	2.943903	0.003241	0.069371
8229	ENSG00000172264.17	372.5876	0.654094	0.21541	3.03651	0.002393	0.058206
8779	ENSG00000178531.6	3160.055	0.653785	0.196627	3.324994	0.000884	0.031172
6623	ENSG00000158747.15	1002.241	0.652528	0.230018	2.836862	0.004556	0.085608
4788	ENSG00000135940.7	2544.576	0.652363	0.164586	3.963655	7.38E-05	0.006649
11205	ENSG00000273619.1	293.2902	0.651674	0.253519	2.570515	0.010155	0.145816
8896	ENSG00000180089.6	859.2494	0.650788	0.2007	3.242591	0.001184	0.037054
1973	ENSG00000103260.9	770.5701	0.650563	0.213233	3.050955	0.002281	0.056964
4058	ENSG00000128626.11	1268.858	0.650519	0.209115	3.110822	0.001866	0.04987
5834	ENSG00000146540.15	1470.324	0.650513	0.193721	3.357985	0.000785	0.028382
7151	ENSG00000163975.12	705.1693	0.649238	0.185296	3.503785	0.000459	0.020355
9597	ENSG00000188760.10	3875.144	0.649183	0.192898	3.365423	0.000764	0.027904
10317	ENSG00000212864.3	768.576	0.648821	0.205378	3.159151	0.001582	0.04527
2232	ENSG00000105701.16	10473	0.648328	0.18944	3.422331	0.000621	0.024548
1360	ENSG00000090932.11	275.071	0.6467	0.24674	2.620976	0.008768	0.133119
6759	ENSG00000160360.13	2584.916	0.646558	0.168778	3.830826	0.000128	0.009443
5426	ENSG00000141854.9	878.1195	0.645625	0.175852	3.671423	0.000241	0.013014
7095	ENSG00000163702.20	442.1378	0.645353	0.218274	2.956617	0.00311	0.06798
8571	ENSG00000175938.7	679.0992	0.644965	0.184869	3.48877	0.000485	0.021171
8123	ENSG00000171222.10	9839.162	0.643372	0.181308	3.548505	0.000387	0.01785
333	ENSG00000030110.13	1627.075	0.642195	0.188889	3.399849	0.000674	0.026114
1985	ENSG00000103363.15	5256.282	0.642032	0.170599	3.763409	0.000168	0.010663
6765	ENSG00000160446.19	3388.39	0.641658	0.185667	3.455958	0.000548	0.022791
8630	ENSG00000176720.6	1453.87	0.641176	0.216077	2.967345	0.003004	0.066734
3257	ENSG00000117410.14	12834.84	0.640454	0.1698	3.771813	0.000162	0.01053
3639	ENSG00000122971.9	753.0997	0.639024	0.214243	2.982709	0.002857	0.064832
837	ENSG00000071889.17	2826.617	0.638673	0.179975	3.548666	0.000387	0.01785
4517	ENSG00000133477.17	1476.999	0.6385	0.199129	3.206456	0.001344	0.040883
397	ENSG00000040608.14	1100.62	0.638149	0.172188	3.706127	0.00021	0.012165
10765	ENSG00000242372.9	5570.929	0.638131	0.169837	3.757317	0.000172	0.010745
602	ENSG00000063241.8	1566.311	0.63751	0.172547	3.694696	0.00022	0.01241

2621	ENSG00000110245.12	471.7466	0.63708	0.200079	3.18415	0.001452	0.042793
1491	ENSG00000099377.14	439.9313	0.636901	0.221395	2.876756	0.004018	0.07943
1226	ENSG00000087086.15	98765.18	0.636491	0.150023	4.242614	2.21E-05	0.003346
7722	ENSG00000167969.13	3317.433	0.635572	0.189186	3.359499	0.000781	0.028317
9581	ENSG00000188573.8	2378.106	0.635473	0.188599	3.369437	0.000753	0.02783
8598	ENSG00000176340.4	9822.088	0.635285	0.162921	3.899343	9.65E-05	0.007662
22	ENSG00000002933.9	388.4829	0.635282	0.215611	2.946422	0.003215	0.069199
9546	ENSG00000188157.15	3231.941	0.634627	0.192369	3.299001	0.00097	0.032981
3973	ENSG00000127399.15	3787.328	0.634571	0.191432	3.314863	0.000917	0.031928
7604	ENSG00000167114.13	4723.632	0.633837	0.190695	3.32383	0.000888	0.031205
6815	ENSG00000160999.10	508.6158	0.633678	0.224904	2.817547	0.004839	0.088911
5481	ENSG00000142684.9	727.5389	0.633069	0.191334	3.308715	0.000937	0.032377
3064	ENSG00000115457.10	3091.338	0.631801	0.156084	4.047818	5.17E-05	0.005075
4361	ENSG00000132004.13	525.3265	0.631556	0.21842	2.891481	0.003834	0.077689
2646	ENSG00000110697.13	6693.313	0.631128	0.146201	4.316841	1.58E-05	0.002731
4028	ENSG00000128242.13	2194.938	0.629752	0.176738	3.563202	0.000366	0.017201
1784	ENSG00000101400.6	3021.124	0.629227	0.196506	3.20207	0.001364	0.040919
1091	ENSG00000081692.12	1181.547	0.628877	0.201539	3.120374	0.001806	0.048738
8648	ENSG00000176978.14	6420.3	0.627968	0.171534	3.660898	0.000251	0.01325
2186	ENSG00000105404.11	4443.823	0.627731	0.198548	3.161605	0.001569	0.045231
3176	ENSG00000116544.12	1634.199	0.627011	0.170406	3.679505	0.000234	0.012793
2200	ENSG00000105518.14	2195.212	0.626726	0.17986	3.484523	0.000493	0.021346
8084	ENSG00000170892.12	3448.296	0.626722	0.168348	3.722765	0.000197	0.011848
4017	ENSG00000128011.5	794.6299	0.626181	0.238244	2.628321	0.008581	0.131404
685	ENSG00000066379.15	412.0318	0.625906	0.214492	2.918092	0.003522	0.07377
8049	ENSG00000170604.5	3801.55	0.625318	0.200689	3.115863	0.001834	0.049256
5420	ENSG00000141738.14	769.7175	0.625216	0.18532	3.373712	0.000742	0.027508
7697	ENSG00000167747.15	3683.225	0.625191	0.165888	3.76875	0.000164	0.01053
132	ENSG00000007541.17	5173.181	0.624966	0.187905	3.32596	0.000881	0.03116
7179	ENSG00000164081.13	2587.803	0.624531	0.167637	3.725492	0.000195	0.011848
4855	ENSG00000136490.9	918.6395	0.624089	0.205693	3.034081	0.002413	0.058206
6929	ENSG00000162585.17	2593.399	0.62328	0.175846	3.544477	0.000393	0.01799
4147	ENSG00000129993.15	659.1025	0.622655	0.218044	2.855636	0.004295	0.082406
9111	ENSG00000183011.13	1956.01	0.619758	0.179016	3.462034	0.000536	0.02261
10581	ENSG00000228594.4	1985.54	0.619458	0.169414	3.656469	0.000256	0.01341
2603	ENSG00000110046.13	4799.697	0.619397	0.190466	3.25201	0.001146	0.036551
8889	ENSG00000179965.12	456.8138	0.618542	0.209778	2.948559	0.003193	0.068983
9428	ENSG00000186193.9	1408.252	0.618409	0.16767	3.68825	0.000226	0.012542
9727	ENSG00000196557.13	9684.437	0.617728	0.165886	3.723804	0.000196	0.011848
8087	ENSG00000170906.16	1303.036	0.617203	0.178039	3.466677	0.000527	0.022389
7122	ENSG00000163870.16	1683.777	0.617133	0.186535	3.3084	0.000938	0.032377
11128	ENSG00000269313.5	1105.352	0.616392	0.218011	2.827351	0.004693	0.087044
7463	ENSG00000166165.13	8514.544	0.615876	0.158738	3.879826	0.000105	0.008097
11136	ENSG00000269858.6	4221.693	0.615772	0.170906	3.602996	0.000315	0.015642
8407	ENSG00000174165.8	1521.228	0.614102	0.179725	3.416891	0.000633	0.024957
6810	ENSG00000160957.14	3280.909	0.613776	0.208223	2.947692	0.003202	0.069046
8513	ENSG00000175221.15	3372.977	0.613677	0.191558	3.203611	0.001357	0.040883
6456	ENSG00000156381.9	2199.15	0.61314	0.186693	3.284217	0.001023	0.033951
639	ENSG00000065057.9	778.7671	0.61278	0.208568	2.938034	0.003303	0.07004
9888	ENSG00000197779.14	436.6356	0.612643	0.215079	2.848462	0.004393	0.083607
88	ENSG00000006118.15	12758.95	0.61111	0.190711	3.204383	0.001354	0.040883
4145	ENSG00000129968.16	3409.007	0.610647	0.180395	3.385056	0.000712	0.0266

7097	ENSG00000163704.12	1295.441	0.610415	0.164482	3.711129	0.000206	0.011992
6819	ENSG00000161016.17	39051.42	0.610226	0.165049	3.697237	0.000218	0.012366
7660	ENSG00000167543.16	7278.601	0.610156	0.187623	3.252039	0.001146	0.036551
2967	ENSG00000114439.19	714.0913	0.609542	0.196433	3.103054	0.001915	0.050603
6561	ENSG00000157870.17	1731.84	0.609153	0.163138	3.733979	0.000188	0.011601
5269	ENSG00000140323.6	2227.131	0.608545	0.217016	2.804152	0.005045	0.091621
10592	ENSG00000229833.10	742.0893	0.607423	0.186165	3.262814	0.001103	0.035584
2496	ENSG00000108639.7	4585.617	0.60656	0.185773	3.265053	0.001094	0.035404
9164	ENSG00000183617.5	797.384	0.60643	0.198949	3.048161	0.002302	0.057305
3402	ENSG00000119559.17	1518.019	0.606146	0.20077	3.019105	0.002535	0.05985
646	ENSG00000065268.11	1986.116	0.604837	0.187553	3.224891	0.00126	0.038889
5454	ENSG00000142235.11	438.8798	0.604126	0.211661	2.854215	0.004314	0.082492
6542	ENSG00000157593.19	4048.011	0.603424	0.160147	3.767935	0.000165	0.01053
10637	ENSG00000233927.5	8459.938	0.603324	0.163682	3.685943	0.000228	0.012595
10914	ENSG00000254647.7	720116	0.601735	0.165482	3.636265	0.000277	0.014189
1212	ENSG00000086504.17	2958.21	0.600049	0.17597	3.409958	0.00065	0.025424
7701	ENSG00000167775.11	6597.41	0.600042	0.196161	3.058927	0.002221	0.05596
1333	ENSG00000090097.21	4688.622	0.59996	0.156096	3.843524	0.000121	0.009086
189	ENSG00000011009.11	4416.626	0.599929	0.188451	3.183471	0.001455	0.042793
5673	ENSG00000144485.11	17589.28	0.598281	0.18094	3.306521	0.000945	0.032497
9246	ENSG00000184436.12	2110.465	0.597986	0.182349	3.279347	0.00104	0.034144
131	ENSG00000007520.4	3121.97	0.597879	0.192667	3.103165	0.001915	0.050603
7308	ENSG00000164967.10	651.798	0.597325	0.20027	2.982599	0.002858	0.064832
8315	ENSG00000173171.14	2195.791	0.595791	0.173448	3.43499	0.000593	0.023676
3893	ENSG00000126062.4	3949.152	0.59555	0.175338	3.396575	0.000682	0.026149
7677	ENSG00000167645.17	1756.543	0.594848	0.180713	3.291668	0.000996	0.033454
4214	ENSG00000130643.9	1656.595	0.594658	0.194515	3.057123	0.002235	0.056174
6928	ENSG00000162552.15	4662.82	0.59445	0.155808	3.815263	0.000136	0.009743
1953	ENSG00000103152.12	1404.692	0.594226	0.180304	3.295695	0.000982	0.033273
10759	ENSG00000242114.6	432.931	0.593973	0.216005	2.74981	0.005963	0.102879
6069	ENSG00000149809.16	6023.449	0.593721	0.175127	3.390232	0.000698	0.026376
5870	ENSG00000147123.11	12182.53	0.593671	0.165391	3.589506	0.000331	0.015985
4500	ENSG00000133247.14	1801.049	0.593595	0.170704	3.477335	0.000506	0.021691
8578	ENSG00000176058.13	1690.957	0.59353	0.192244	3.087388	0.002019	0.052138
11369	ENSG00000286070.2	472.897	0.593003	0.223202	2.6568	0.007889	0.1239
4646	ENSG00000134825.16	1740.66	0.591533	0.165536	3.57345	0.000352	0.016716
492	ENSG00000053371.12	4641.906	0.5908	0.177	3.337856	0.000844	0.030137
7650	ENSG00000167508.12	17116.44	0.589655	0.203735	2.894224	0.003801	0.077289
2650	ENSG00000110717.13	4083.231	0.589135	0.187258	3.146105	0.001655	0.046055
11105	ENSG00000267534.4	413.835	0.589064	0.224177	2.627672	0.008597	0.131404
9357	ENSG00000185504.17	3546.129	0.58896	0.198038	2.97397	0.00294	0.065895
7647	ENSG00000167476.10	6312.293	0.588776	0.164438	3.58054	0.000343	0.016405
1508	ENSG00000099821.14	3568.17	0.588363	0.18436	3.191382	0.001416	0.041988
3931	ENSG00000126603.9	4661.555	0.588337	0.155991	3.771604	0.000162	0.01053
1963	ENSG00000103202.13	3822.443	0.588128	0.150254	3.914224	9.07E-05	0.00743
2077	ENSG00000104524.14	928.1389	0.58782	0.193607	3.036145	0.002396	0.058206
1539	ENSG00000100033.16	3213.073	0.587529	0.154948	3.791772	0.00015	0.01017
9321	ENSG00000185187.13	2553.356	0.587462	0.178307	3.294668	0.000985	0.033295
6701	ENSG00000159792.10	2941.322	0.586596	0.189675	3.092642	0.001984	0.051575
8864	ENSG00000179588.9	4816.809	0.586589	0.169498	3.460744	0.000539	0.022635
9128	ENSG00000183248.12	4044.472	0.585158	0.200924	2.912338	0.003587	0.074341
9969	ENSG00000198324.13	2186.406	0.58478	0.194851	3.001161	0.00269	0.062691

8388	ENSG00000173898.14	5684.553	0.584691	0.18521	3.156909	0.001595	0.045392
10246	ENSG00000205138.4	1179.878	0.583799	0.200378	2.913486	0.003574	0.074269
6702	ENSG00000159840.16	964.1899	0.583798	0.201012	2.904293	0.003681	0.0757
7699	ENSG00000167771.6	2096.508	0.583535	0.162633	3.588046	0.000333	0.016007
2819	ENSG00000112514.18	8804.197	0.58305	0.173078	3.368716	0.000755	0.02783
7756	ENSG00000168159.13	4570.298	0.582724	0.168703	3.45413	0.000552	0.022791
8266	ENSG00000172663.9	1322.539	0.58224	0.184703	3.152307	0.00162	0.045544
1583	ENSG00000100241.21	11644.83	0.581398	0.188732	3.080554	0.002066	0.053036
2643	ENSG00000110651.12	9741.32	0.581173	0.156401	3.715915	0.000202	0.011915
8825	ENSG00000179085.8	2156.992	0.580408	0.176806	3.282729	0.001028	0.034011
3649	ENSG00000123143.13	9904.88	0.580241	0.175358	3.30889	0.000937	0.032377
10549	ENSG00000225972.1	20542.67	0.579994	0.178091	3.256731	0.001127	0.036151
6802	ENSG00000160867.15	4378.809	0.578096	0.198161	2.9173	0.003531	0.07377
2846	ENSG00000112787.13	7395.712	0.578	0.166791	3.465421	0.000529	0.02241
1545	ENSG00000100065.15	2277.611	0.577948	0.180553	3.20098	0.00137	0.040934
5459	ENSG00000142409.6	1361.121	0.577334	0.186774	3.091081	0.001994	0.051729
8750	ENSG00000178057.15	2202.34	0.577141	0.16719	3.452017	0.000556	0.022791
8860	ENSG00000179526.17	1971.124	0.576996	0.190563	3.027854	0.002463	0.059168
8826	ENSG00000179091.5	4381.704	0.576057	0.173051	3.328824	0.000872	0.030938
1979	ENSG00000103326.12	3427.199	0.575552	0.189929	3.030352	0.002443	0.058805
6841	ENSG00000161395.14	852.6215	0.575537	0.221416	2.599347	0.00934	0.138044
1477	ENSG00000099203.7	1619.571	0.575528	0.191788	3.000859	0.002692	0.062691
6876	ENSG00000162062.15	1463.55	0.57341	0.187195	3.063171	0.00219	0.055418
3184	ENSG00000116649.10	2811.373	0.573406	0.193568	2.962291	0.003054	0.067386
5337	ENSG00000140988.16	53112.89	0.572947	0.162806	3.5192	0.000433	0.019579
608	ENSG00000063660.9	4343.301	0.57279	0.168116	3.407117	0.000657	0.025602
3985	ENSG00000127554.13	1927.198	0.572643	0.166219	3.445107	0.000571	0.02305
11277	ENSG00000278195.2	6069.708	0.572578	0.155851	3.673871	0.000239	0.012994
32	ENSG00000004059.11	21822.42	0.572577	0.168596	3.396142	0.000683	0.026149
3052	ENSG00000115325.13	1019.753	0.572227	0.20385	2.807097	0.004999	0.091224
8940	ENSG00000180900.20	8877.108	0.572217	0.208357	2.746333	0.006027	0.103506
1912	ENSG00000102890.16	1021.623	0.571565	0.193134	2.95943	0.003082	0.067622
4950	ENSG00000137166.15	22289.62	0.571453	0.146563	3.899024	9.66E-05	0.007662
834	ENSG00000071655.18	8472.376	0.569698	0.212568	2.68007	0.007361	0.118217
1786	ENSG00000101412.13	8600.01	0.569328	0.173466	3.282074	0.00103	0.034011
2992	ENSG00000114767.7	1017.118	0.569034	0.204103	2.787978	0.005304	0.09496
3819	ENSG00000125611.15	864.8282	0.56901	0.197267	2.884473	0.003921	0.078174
10394	ENSG00000214026.11	2686.363	0.568608	0.180178	3.155813	0.001601	0.045443
590	ENSG00000062582.14	2290.828	0.568434	0.17741	3.204076	0.001355	0.040883
11082	ENSG00000265688.2	928.3433	0.568258	0.195142	2.912017	0.003591	0.074341
604	ENSG00000063245.15	7908.336	0.567771	0.182876	3.104668	0.001905	0.050603
8270	ENSG00000172725.14	4872.982	0.567561	0.157844	3.595702	0.000324	0.015913
4180	ENSG00000130313.7	4338.817	0.566271	0.194308	2.914298	0.003565	0.074211
10679	ENSG00000236824.2	1573.545	0.566035	0.197052	2.872516	0.004072	0.079948
10732	ENSG00000240972.2	17239.28	0.564463	0.151778	3.719007	0.0002	0.011883
4293	ENSG00000131188.12	879.811	0.563756	0.190004	2.967078	0.003006	0.066734
8938	ENSG00000180879.14	10494.81	0.563459	0.157908	3.568272	0.000359	0.016979
3668	ENSG00000123395.14	2262.825	0.56307	0.196257	2.869046	0.004117	0.080277
4329	ENSG00000131652.14	1969.42	0.562515	0.197726	2.844923	0.004442	0.084026
8584	ENSG00000176108.9	707.8781	0.561896	0.194849	2.883757	0.00393	0.078174
10811	ENSG00000244731.8	1948.68	0.561525	0.16402	3.423514	0.000618	0.024527
4291	ENSG00000131174.7	835.4469	0.561501	0.190685	2.944643	0.003233	0.069336

10171	ENSG00000204308.8	2449.319	0.561347	0.161437	3.477183	0.000507	0.021691
6646	ENSG00000159069.14	9431.535	0.561317	0.173786	3.229928	0.001238	0.038418
9282	ENSG00000184897.6	18325.43	0.561209	0.153151	3.664419	0.000248	0.013132
7392	ENSG00000165644.11	1366.167	0.560796	0.180648	3.104357	0.001907	0.050603
10078	ENSG00000198858.10	3146.21	0.560627	0.186272	3.00972	0.002615	0.061393
7129	ENSG00000163888.4	1804.471	0.560125	0.200751	2.790139	0.005269	0.094477
8146	ENSG00000171443.7	684.08	0.559914	0.199632	2.804731	0.005036	0.091621
5365	ENSG00000141349.8	5460.773	0.558633	0.176872	3.158406	0.001586	0.045272
10200	ENSG00000204498.11	2219.346	0.557878	0.201041	2.77495	0.005521	0.097773
8409	ENSG00000174177.13	913.9511	0.557733	0.190245	2.931661	0.003372	0.071228
6077	ENSG00000149932.17	2103.503	0.557403	0.18869	2.954063	0.003136	0.068173
8113	ENSG00000171159.5	4788.666	0.557038	0.183586	3.034207	0.002412	0.058206
6678	ENSG00000159423.17	1233.98	0.554963	0.179276	3.095574	0.001964	0.05142
623	ENSG00000064545.15	2199.021	0.553531	0.183263	3.020417	0.002524	0.059759
9481	ENSG00000187051.9	3048.427	0.553343	0.176113	3.141971	0.001678	0.046381
7954	ENSG00000169783.12	1055.421	0.552964	0.206658	2.675743	0.007456	0.119417
8775	ENSG00000178449.9	846.7083	0.552668	0.182752	3.024134	0.002493	0.059759
9453	ENSG00000186577.14	1579.055	0.552002	0.175532	3.144745	0.001662	0.046055
8764	ENSG00000178209.15	6040.249	0.551453	0.179299	3.075613	0.002101	0.053634
1547	ENSG00000100075.10	17069.76	0.551212	0.178969	3.079932	0.00207	0.053036
5967	ENSG00000148362.11	2708.967	0.551073	0.180916	3.046006	0.002319	0.057443
8516	ENSG00000175274.19	3538.666	0.549159	0.157575	3.485061	0.000492	0.021346
10626	ENSG00000233016.7	1544.036	0.547971	0.168836	3.245589	0.001172	0.036869
3708	ENSG00000124140.14	616.2718	0.54773	0.194815	2.811547	0.00493	0.090116
1841	ENSG00000101986.12	533.5582	0.547654	0.202474	2.704817	0.006834	0.113892
7522	ENSG00000166482.12	3917.183	0.546826	0.180191	3.034705	0.002408	0.058206
557	ENSG00000059122.17	1914.854	0.546677	0.192427	2.84096	0.004498	0.084695
8541	ENSG00000175573.7	1269.217	0.546597	0.188277	2.903157	0.003694	0.075795
7651	ENSG00000167513.9	4655.712	0.546172	0.163749	3.335429	0.000852	0.030306
10908	ENSG00000254402.7	1461.268	0.545607	0.200911	2.715669	0.006614	0.111085
10247	ENSG00000205155.8	1351.067	0.545361	0.198734	2.744178	0.006066	0.103874
8556	ENSG00000175756.13	3671.089	0.545045	0.177424	3.071986	0.002126	0.054168
1057	ENSG00000080189.15	8429.102	0.54499	0.173028	3.149716	0.001634	0.045724
8713	ENSG00000177674.16	1035.958	0.544205	0.189561	2.870866	0.004093	0.08009
7439	ENSG00000165948.11	606.2967	0.543531	0.210072	2.587351	0.009672	0.140653
7763	ENSG00000168237.18	3183.362	0.543039	0.192938	2.814587	0.004884	0.089556
3700	ENSG00000123989.14	14120.38	0.542559	0.181068	2.996442	0.002732	0.063242
9307	ENSG00000185085.2	2334.707	0.542488	0.195015	2.781773	0.005406	0.096491
1493	ENSG00000099385.11	1133.665	0.542175	0.182266	2.974639	0.002933	0.065881
4337	ENSG00000131747.15	5595.079	0.541881	0.152191	3.560527	0.00037	0.017272
1526	ENSG00000099960.13	929.495	0.54159	0.183632	2.949315	0.003185	0.068945
4171	ENSG00000130255.13	6535.534	0.541397	0.145218	3.728167	0.000193	0.011808
3392	ENSG00000119431.9	1014.494	0.541286	0.201795	2.68235	0.007311	0.117884
500	ENSG00000054148.18	3049.849	0.541276	0.159396	3.395787	0.000684	0.026149
7641	ENSG00000167397.15	4108.279	0.54122	0.163884	3.302457	0.000958	0.032863
9972	ENSG00000198355.5	959.5667	0.541065	0.192412	2.81202	0.004923	0.090116
7585	ENSG00000166963.13	874.342	0.540269	0.188163	2.871284	0.004088	0.08009
3403	ENSG00000119574.13	1046.483	0.540227	0.181763	2.972151	0.002957	0.066151
2445	ENSG00000108107.15	20249.84	0.539713	0.154626	3.490449	0.000482	0.021171
4281	ENSG00000131094.4	11531.65	0.539416	0.149072	3.618502	0.000296	0.015044
8475	ENSG00000174903.16	11107.99	0.538671	0.17406	3.094745	0.00197	0.051446
7818	ENSG00000168701.19	2017.249	0.538457	0.179206	3.004676	0.002659	0.062164

7292	ENSG00000164897.14	4406.418	0.53771	0.189075	2.843903	0.004456	0.084155
2191	ENSG00000105429.13	3921.254	0.537405	0.186072	2.888159	0.003875	0.077723
4502	ENSG00000133265.11	2965.836	0.536542	0.192639	2.785212	0.005349	0.095624
5960	ENSG00000148335.15	928.0058	0.536534	0.180999	2.964296	0.003034	0.067079
10738	ENSG00000241360.2	4794.828	0.536433	0.182553	2.938508	0.003298	0.07004
6064	ENSG00000149761.9	1164.357	0.535985	0.18819	2.848106	0.004398	0.083607
10846	ENSG00000248487.9	2072.993	0.535387	0.16115	3.3223	0.000893	0.03128
7606	ENSG00000167123.19	1855.5	0.535347	0.178668	2.99633	0.002733	0.063242
7337	ENSG00000165215.6	5473.852	0.53421	0.157832	3.384673	0.000713	0.0266
6621	ENSG00000158716.9	3037.121	0.534195	0.162655	3.284228	0.001023	0.033951
8629	ENSG00000176715.17	1091.638	0.533247	0.175718	3.03468	0.002408	0.058206
10591	ENSG00000229809.8	828.3745	0.532858	0.192772	2.764181	0.005707	0.099359
6068	ENSG00000149806.11	8837.4	0.532629	0.16312	3.265264	0.001094	0.035404
7742	ENSG00000168056.16	1060.326	0.532433	0.19912	2.673931	0.007497	0.119896
7265	ENSG00000164638.10	10613.94	0.532099	0.165516	3.21479	0.001305	0.039851
6136	ENSG00000151366.13	1705.51	0.531737	0.175985	3.021492	0.002515	0.059759
4045	ENSG00000128564.7	9273.355	0.531385	0.154531	3.438698	0.000585	0.023436
10574	ENSG00000228253.1	13247.12	0.531283	0.17394	3.054396	0.002255	0.056562
10378	ENSG00000213859.6	748.0112	0.530781	0.189867	2.795548	0.005181	0.093352
8815	ENSG00000178980.15	2024.293	0.530305	0.163764	3.238225	0.001203	0.03742
10162	ENSG00000204228.4	569.0834	0.52991	0.192528	2.752381	0.005916	0.102386
8690	ENSG00000177427.13	622.8167	0.529303	0.195167	2.712047	0.006687	0.111648
1997	ENSG00000103495.14	25773.67	0.529233	0.183543	2.883427	0.003934	0.078174
10320	ENSG00000213015.9	1830.319	0.529092	0.171263	3.089356	0.002006	0.051912
6756	ENSG00000160326.14	4534.801	0.528294	0.160007	3.301686	0.000961	0.032863
6659	ENSG00000159199.14	2085.328	0.527888	0.1766	2.989171	0.002797	0.064092
6861	ENSG00000161888.11	737.0139	0.527779	0.195372	2.701411	0.006905	0.114111
3988	ENSG00000127580.17	1790.685	0.527659	0.186448	2.830065	0.004654	0.087017
10709	ENSG00000239779.7	2730.054	0.527089	0.190633	2.764943	0.005693	0.099359
5395	ENSG00000141552.17	3639.262	0.527024	0.182188	2.892751	0.003819	0.077514
4023	ENSG00000128165.9	1311.452	0.526705	0.168051	3.134195	0.001723	0.04717
10404	ENSG00000214160.10	3849.004	0.526328	0.167333	3.145385	0.001659	0.046055
8254	ENSG00000172478.18	11239.96	0.526139	0.143582	3.664365	0.000248	0.013132
5446	ENSG00000142185.16	1856.226	0.524985	0.169747	3.092746	0.001983	0.051575
1314	ENSG00000089486.17	4207.339	0.524536	0.16143	3.249303	0.001157	0.036593
9614	ENSG00000188986.8	4666.897	0.524314	0.182489	2.873127	0.004064	0.079931
3484	ENSG00000120645.12	2613.059	0.524081	0.164816	3.179786	0.001474	0.043143
512	ENSG00000054967.13	1023.306	0.523088	0.192829	2.712704	0.006674	0.11159
8340	ENSG00000173457.11	4871.236	0.522919	0.188373	2.775974	0.005504	0.097624
8471	ENSG00000174851.16	4599.937	0.522411	0.188875	2.765909	0.005676	0.099359
6439	ENSG00000156113.24	1557.378	0.522068	0.172054	3.034334	0.002411	0.058206
10658	ENSG00000235173.7	1593.755	0.521735	0.180812	2.885514	0.003908	0.078074
5006	ENSG00000137700.18	10213.98	0.519172	0.170625	3.042766	0.002344	0.057902
8540	ENSG00000175567.10	4690.16	0.518028	0.177353	2.920893	0.00349	0.0736
2217	ENSG00000105640.13	22668.47	0.517505	0.160854	3.217224	0.001294	0.039621
3840	ENSG00000125744.12	3152.175	0.5169	0.198963	2.597966	0.009378	0.138322
4231	ENSG00000130726.12	21166.83	0.516285	0.153367	3.366344	0.000762	0.027904
6808	ENSG00000160949.17	1355.394	0.515456	0.178412	2.88913	0.003863	0.077723
10313	ENSG00000211584.14	1074.785	0.515157	0.170541	3.020727	0.002522	0.059759
5210	ENSG00000139546.11	1282.598	0.515125	0.187442	2.748176	0.005993	0.103081
5031	ENSG00000137868.19	8534.214	0.514912	0.142838	3.604853	0.000312	0.015599
4042	ENSG00000128524.5	4713.019	0.51469	0.159518	3.226533	0.001253	0.038771

6072	ENSG00000149925.22	19049.69	0.514579	0.175257	2.936136	0.003323	0.070339
3694	ENSG00000123815.12	2309.168	0.514493	0.173138	2.971575	0.002963	0.066151
4711	ENSG00000135390.21	6581.72	0.514023	0.17016	3.020811	0.002521	0.059759
7032	ENSG00000163382.12	7136.039	0.513894	0.164883	3.116729	0.001829	0.049228
3555	ENSG00000121653.11	9782.161	0.513529	0.148633	3.455023	0.00055	0.022791
4230	ENSG00000130725.8	4548.545	0.513334	0.169122	3.035281	0.002403	0.058206
10350	ENSG00000213465.8	3109.121	0.513251	0.19373	2.649303	0.008066	0.125988
7431	ENSG00000165905.18	2373.349	0.513217	0.195366	2.626948	0.008615	0.131422
7025	ENSG00000163344.6	2110.908	0.513004	0.182914	2.804612	0.005038	0.091621
8581	ENSG00000176101.12	2660.554	0.512745	0.173536	2.954685	0.00313	0.068173
8844	ENSG00000179292.5	1658.919	0.512381	0.188857	2.713071	0.006666	0.11159
3976	ENSG00000127445.14	4577.633	0.511884	0.17122	2.989624	0.002793	0.064092
11014	ENSG00000260293.2	2490.78	0.511765	0.161664	3.165601	0.001548	0.044728
4846	ENSG00000136425.14	978.2672	0.511134	0.173067	2.953384	0.003143	0.068173
8177	ENSG00000171703.17	1783.367	0.510893	0.177704	2.874965	0.004041	0.079743
6950	ENSG00000162729.14	3712.42	0.510699	0.196847	2.59439	0.009476	0.13895
8881	ENSG00000179921.15	1915.755	0.510552	0.170627	2.992203	0.00277	0.063844
3309	ENSG00000117984.14	25421.89	0.510057	0.164277	3.104858	0.001904	0.050603
6397	ENSG00000155366.17	1233.863	0.509837	0.187185	2.723702	0.006455	0.10874
11317	ENSG00000280987.4	722.8406	0.509832	0.188682	2.70207	0.006891	0.114111
1800	ENSG00000101473.17	2292.834	0.509437	0.176398	2.888004	0.003877	0.077723
5682	ENSG00000144579.7	3597.636	0.509317	0.165383	3.079623	0.002073	0.053036
7712	ENSG00000167900.12	1310.706	0.508996	0.192235	2.647781	0.008102	0.12621
157	ENSG00000008735.14	6906.315	0.508103	0.181623	2.797564	0.005149	0.093065
9351	ENSG00000185475.11	2313.448	0.507995	0.194568	2.610882	0.009031	0.134954
10872	ENSG00000250479.9	1598.603	0.507694	0.176221	2.881006	0.003964	0.078503
2731	ENSG00000111678.11	4785.019	0.506542	0.193538	2.617273	0.008864	0.133681
9911	ENSG00000197956.10	6635.386	0.506396	0.144545	3.503369	0.000459	0.020355
7855	ENSG00000168936.11	2593.144	0.506226	0.177202	2.856769	0.00428	0.082321
10408	ENSG00000214253.9	2322.957	0.505034	0.16798	3.006518	0.002643	0.061916
9530	ENSG00000187838.17	1137.202	0.504922	0.193525	2.60908	0.009079	0.135489
7495	ENSG00000166337.10	2070.157	0.503331	0.176362	2.853969	0.004318	0.082492
5029	ENSG00000137843.12	687.8731	0.503313	0.190356	2.644068	0.008192	0.127255
3380	ENSG00000119333.11	7681.115	0.503272	0.182462	2.758224	0.005812	0.101034
4143	ENSG00000129946.10	2619.972	0.502911	0.19232	2.614972	0.008923	0.134092
565	ENSG00000059915.17	1904.971	0.502172	0.182159	2.756774	0.005837	0.101174
293	ENSG00000023191.17	4768.587	0.502077	0.175298	2.864127	0.004182	0.081117
3818	ENSG00000125534.10	20541.02	0.500797	0.142315	3.518933	0.000433	0.019579
10419	ENSG00000214530.9	28695.97	0.500739	0.153583	3.260372	0.001113	0.035791
10983	ENSG00000258947.7	3657.772	0.500317	0.169136	2.958072	0.003096	0.06779
9448	ENSG00000186501.14	2546.264	0.499752	0.187515	2.665127	0.007696	0.122393
4159	ENSG00000130165.10	2022.313	0.499576	0.17496	2.855369	0.004299	0.082406
7720	ENSG00000167965.18	5146.961	0.49933	0.167529	2.980563	0.002877	0.065134
8361	ENSG00000173638.19	665.2028	0.498767	0.185409	2.690087	0.007143	0.116702
1587	ENSG00000100258.18	10193.42	0.498671	0.173502	2.874145	0.004051	0.079812
9779	ENSG00000196924.18	2732.074	0.498512	0.172531	2.8894	0.00386	0.077723
2194	ENSG00000105447.13	2083.871	0.497732	0.191385	2.600686	0.009304	0.137945
3024	ENSG00000115138.11	1665.37	0.497254	0.181664	2.737224	0.006196	0.105458
9962	ENSG00000198258.11	1741.759	0.495388	0.16394	3.021765	0.002513	0.059759
9003	ENSG00000181885.18	7641.046	0.49497	0.169634	2.917862	0.003524	0.07377
4290	ENSG00000131165.16	5519.534	0.494196	0.177761	2.780112	0.005434	0.096834
7893	ENSG00000169221.14	6516.565	0.493989	0.185831	2.658272	0.007854	0.123531

5469	ENSG00000142546.14	2305.592	0.493549	0.17075	2.890482	0.003847	0.077723
1528	ENSG00000099977.14	2056.946	0.492259	0.164753	2.987863	0.002809	0.064237
1350	ENSG00000090661.12	931.4397	0.492107	0.177211	2.776959	0.005487	0.097624
9804	ENSG00000197070.14	2020.379	0.49184	0.155003	3.173098	0.001508	0.043923
7169	ENSG00000164054.15	8035.606	0.490734	0.153647	3.193898	0.001404	0.041732
3251	ENSG00000117362.13	10148.22	0.489442	0.178681	2.739192	0.006159	0.10499
70	ENSG00000005448.17	1111.113	0.487998	0.185783	2.626712	0.008621	0.131422
4216	ENSG00000130669.17	4713.037	0.487971	0.174533	2.79586	0.005176	0.093352
9063	ENSG00000182544.9	1395.342	0.487864	0.177345	2.750931	0.005943	0.102684
3211	ENSG00000116863.11	1491.182	0.486135	0.18966	2.563198	0.010371	0.147623
1798	ENSG00000101460.13	2084.409	0.48542	0.171664	2.827726	0.004688	0.087044
1288	ENSG00000088992.18	1317.057	0.484257	0.165907	2.918844	0.003513	0.07377
2143	ENSG00000105135.16	3975.546	0.484082	0.174722	2.770579	0.005596	0.098482
2221	ENSG00000105655.19	4027.482	0.483995	0.162673	2.975259	0.002927	0.065878
4899	ENSG00000136840.19	851.0936	0.483434	0.183962	2.627909	0.008591	0.131404
5930	ENSG00000147889.17	4739.137	0.48281	0.161868	2.982736	0.002857	0.064832
8876	ENSG00000179886.6	1570.699	0.481676	0.188473	2.555682	0.010598	0.149356
6106	ENSG00000150967.18	1007.649	0.48165	0.187187	2.573098	0.010079	0.144915
8807	ENSG00000178927.18	2975.707	0.481511	0.169229	2.84532	0.004437	0.084026
8307	ENSG00000173113.7	3926.225	0.481246	0.162582	2.960017	0.003076	0.067622
2237	ENSG00000105732.13	1118.919	0.48047	0.178935	2.68517	0.007249	0.117422
8013	ENSG00000170291.15	1877.143	0.480184	0.18158	2.644479	0.008182	0.127255
7605	ENSG00000167118.11	2565.584	0.480018	0.178161	2.694301	0.007054	0.115735
10308	ENSG00000211450.10	1959.481	0.47949	0.174435	2.748815	0.005981	0.103036
4915	ENSG00000136908.18	3177.679	0.479424	0.167741	2.858128	0.004261	0.082108
9573	ENSG00000188486.3	4408.07	0.476994	0.174717	2.730104	0.006331	0.107446
1994	ENSG00000103485.19	3975.733	0.476762	0.146974	3.243856	0.001179	0.036992
8124	ENSG00000171223.6	3596.767	0.476413	0.163966	2.905566	0.003666	0.075622
9190	ENSG00000183798.5	1093.376	0.475943	0.181038	2.628964	0.008565	0.131404
1510	ENSG00000099834.19	2652.665	0.475649	0.155362	3.061562	0.002202	0.055593
849	ENSG00000072195.15	2870.835	0.474344	0.176864	2.681961	0.007319	0.117884
2648	ENSG00000110711.10	2937.867	0.473539	0.176094	2.689135	0.007164	0.116868
2230	ENSG00000105699.16	5182.731	0.473309	0.180098	2.628062	0.008587	0.131404
4197	ENSG00000130511.16	3357.686	0.473264	0.163262	2.898795	0.003746	0.076444
6674	ENSG00000159363.19	5708.453	0.473011	0.18435	2.565839	0.010293	0.147054
4140	ENSG00000129925.11	11410.25	0.472958	0.158753	2.979219	0.00289	0.065291
1999	ENSG00000103502.14	4131.92	0.472892	0.178213	2.653526	0.007966	0.124765
9898	ENSG00000197858.11	14116.92	0.471632	0.169899	2.775952	0.005504	0.097624
8712	ENSG00000177666.17	2202.098	0.47088	0.178835	2.633049	0.008462	0.130392
4742	ENSG00000135617.4	1215.695	0.470251	0.183001	2.569661	0.01018	0.145992
970	ENSG00000076826.10	6934.488	0.469435	0.165653	2.83385	0.004599	0.086276
6882	ENSG00000162073.14	6109.158	0.466494	0.160632	2.904112	0.003683	0.0757
4201	ENSG00000130522.6	19632.3	0.464802	0.164377	2.827663	0.004689	0.087044
461	ENSG00000049759.19	845.6034	0.462816	0.179284	2.581467	0.009838	0.142166
6720	ENSG00000160113.5	3998.755	0.462606	0.163412	2.830924	0.004641	0.086927
7804	ENSG00000168528.12	3630.812	0.462143	0.158732	2.911476	0.003597	0.074341
1925	ENSG00000102977.17	1987.971	0.460952	0.171313	2.690694	0.00713	0.116657
2836	ENSG00000112695.11	1592.043	0.459592	0.167447	2.744696	0.006057	0.103867
2377	ENSG00000107331.17	6395.329	0.459441	0.146576	3.134487	0.001722	0.04717
1950	ENSG00000103145.11	1981	0.45879	0.176519	2.599103	0.009347	0.138044
8848	ENSG00000179314.14	2167.49	0.457945	0.170471	2.686355	0.007224	0.11734
1336	ENSG00000090266.13	2256.431	0.457912	0.158214	2.894262	0.003801	0.077289

6927	ENSG00000162545.6	4632.855	0.45731	0.154822	2.953784	0.003139	0.068173
10475	ENSG00000219200.11	7147.579	0.455483	0.169792	2.682593	0.007305	0.117884
1228	ENSG00000087088.20	2886.743	0.453767	0.175991	2.578358	0.009927	0.143089
3164	ENSG00000116396.15	1124.635	0.453493	0.170267	2.663419	0.007735	0.122598
8231	ENSG00000172270.20	22500.78	0.453424	0.148545	3.052442	0.00227	0.056807
8424	ENSG00000174365.20	1129.218	0.453042	0.176476	2.567167	0.010253	0.146677
8664	ENSG00000177106.16	1942.453	0.451315	0.172731	2.612826	0.00898	0.134542
4157	ENSG00000130159.14	2595.856	0.449097	0.171854	2.613257	0.008968	0.134542
10174	ENSG00000204316.13	2798.153	0.448563	0.174869	2.565133	0.010314	0.147169
6790	ENSG00000160753.16	3427.503	0.448058	0.172528	2.597019	0.009404	0.138525
73	ENSG00000005486.17	8558.873	0.448036	0.159972	2.800712	0.005099	0.092309
9629	ENSG00000189159.16	1737.964	0.446994	0.158057	2.828059	0.004683	0.087044
6971	ENSG00000162882.15	1530.74	0.443972	0.166796	2.661767	0.007773	0.122935
8974	ENSG00000181396.13	1646.787	0.443765	0.162845	2.725075	0.006429	0.10845
10027	ENSG00000198715.13	4965.269	0.442903	0.173229	2.556755	0.010565	0.14908
5427	ENSG00000141858.12	3247.745	0.442629	0.172944	2.559375	0.010486	0.148698
5421	ENSG00000141741.12	1665.563	0.442153	0.1689	2.617834	0.008849	0.133639
2430	ENSG00000107954.10	5529.918	0.439269	0.162494	2.703292	0.006866	0.113964
8794	ENSG00000178719.17	8345.676	0.437574	0.163425	2.677519	0.007417	0.118954
733	ENSG00000068001.14	2728.659	0.437402	0.164746	2.655004	0.007931	0.12439
8194	ENSG00000171858.18	5552.889	0.433818	0.160436	2.703986	0.006851	0.113892
967	ENSG00000076604.15	5262.454	0.433775	0.165295	2.624249	0.008684	0.132023
3989	ENSG00000127585.12	3693.292	0.432275	0.166763	2.592159	0.009538	0.139415
3697	ENSG00000123933.17	3807.757	0.431845	0.163055	2.648464	0.008086	0.126128
2611	ENSG00000110076.19	2322.313	0.430297	0.166382	2.586195	0.009704	0.140766
5764	ENSG00000145592.14	4875.774	0.426872	0.154041	2.77116	0.005586	0.098477
2227	ENSG00000105677.12	3191.701	0.425518	0.164055	2.59375	0.009494	0.13895
8793	ENSG00000178718.7	4118.16	0.424882	0.155834	2.726502	0.006401	0.108142
1975	ENSG00000103266.11	4660.905	0.424288	0.159318	2.663159	0.007741	0.122598
3667	ENSG00000123384.14	4426.529	0.423514	0.161363	2.624596	0.008675	0.132023
25	ENSG00000003249.14	1938.804	0.422212	0.164833	2.561447	0.010424	0.148183
7633	ENSG00000167363.14	1379.422	0.421337	0.162343	2.595348	0.00945	0.138841
7880	ENSG00000169136.12	10740.56	0.418761	0.152853	2.739638	0.006151	0.10499
10265	ENSG00000205476.9	2846.648	0.416885	0.15202	2.742298	0.006101	0.104314
5261	ENSG00000140264.20	8620.139	0.414825	0.149584	2.773182	0.005551	0.098153
4971	ENSG00000137309.20	12466.87	0.414222	0.160249	2.584868	0.009742	0.14113
7980	ENSG00000169976.7	7774.47	0.413654	0.159941	2.586297	0.009701	0.140766
161	ENSG00000008952.17	2948.532	0.41105	0.150641	2.728678	0.006359	0.107751
354	ENSG000000034510.6	6024.413	0.410697	0.160213	2.563449	0.010364	0.147623
8279	ENSG00000172809.13	3954.594	0.410353	0.154328	2.658963	0.007838	0.123531
5305	ENSG00000140564.12	11808.05	0.409678	0.149695	2.736744	0.006205	0.105458
8697	ENSG00000177542.11	2809.544	0.408136	0.157341	2.593954	0.009488	0.13895
5433	ENSG00000141959.17	6232.808	0.403109	0.15107	2.668371	0.007622	0.121557
7824	ENSG00000168763.16	5065.72	0.401994	0.155256	2.589231	0.009619	0.140246
2161	ENSG00000105254.12	6009.075	0.401152	0.144763	2.7711	0.005587	0.098477
2204	ENSG00000105552.15	4453.866	0.390707	0.151799	2.573839	0.010058	0.144788
10038	ENSG00000198736.11	4631.055	0.390216	0.14529	2.685777	0.007236	0.117376
6635	ENSG00000158856.18	10378.97	0.374087	0.14453	2.58831	0.009645	0.140442
2151	ENSG00000105193.9	16932.12	0.372132	0.145309	2.560964	0.010438	0.148204
3038	ENSG00000115268.10	9895.634	0.363501	0.142125	2.557617	0.010539	0.148896
6105	ENSG00000150961.15	3992.498	-0.37849	0.146729	-2.57952	0.009894	0.142789
8189	ENSG00000171824.14	2862.74	-0.39335	0.151025	-2.60454	0.0092	0.13694

1768	ENSG00000101290.14	2546.672	-0.40223	0.155251	-2.59086	0.009574	0.139761
314	ENSG00000025800.14	3072.35	-0.41195	0.148979	-2.76512	0.00569	0.099359
6471	ENSG00000156599.11	1925.268	-0.4158	0.157995	-2.63173	0.008495	0.130723
3695	ENSG00000123836.15	3392.786	-0.41781	0.159492	-2.61966	0.008802	0.13328
5576	ENSG00000143515.18	2155.085	-0.41831	0.160933	-2.59927	0.009342	0.138044
10001	ENSG00000198561.15	3062.74	-0.41978	0.148995	-2.81743	0.004841	0.088911
5772	ENSG00000145730.20	4263.304	-0.42046	0.160487	-2.61988	0.008796	0.13328
4167	ENSG00000130226.17	4167.716	-0.42325	0.15743	-2.6885	0.007177	0.116923
3688	ENSG00000123643.13	1313.894	-0.42517	0.163285	-2.60382	0.009219	0.137045
8265	ENSG00000172661.19	1442.761	-0.42914	0.164343	-2.61127	0.009021	0.134954
6555	ENSG00000157823.17	1305.894	-0.43137	0.164967	-2.61487	0.008926	0.134092
7399	ENSG00000165671.21	2636.659	-0.43467	0.161292	-2.69496	0.00704	0.115674
3754	ENSG00000124571.18	1960.053	-0.43523	0.155344	-2.8017	0.005083	0.092174
10015	ENSG00000198663.17	2125.912	-0.43712	0.167973	-2.60232	0.00926	0.137468
7582	ENSG00000166938.13	1343.807	-0.45092	0.167106	-2.6984	0.006967	0.114817
1348	ENSG00000090615.15	2925.319	-0.4538	0.152457	-2.97659	0.002915	0.065722
2465	ENSG00000108389.9	1787.768	-0.45503	0.159524	-2.85239	0.004339	0.082763
2013	ENSG00000103657.14	1849.728	-0.45633	0.164757	-2.7697	0.005611	0.098594
9367	ENSG00000185591.10	1595.103	-0.45826	0.165772	-2.76441	0.005703	0.099359
1022	ENSG00000078699.22	4346.046	-0.45841	0.158137	-2.8988	0.003746	0.076444
5298	ENSG00000140526.18	4339.787	-0.45905	0.148741	-3.08625	0.002027	0.052219
473	ENSG00000050438.17	1709.583	-0.46077	0.174688	-2.6377	0.008347	0.129142
8645	ENSG00000176953.12	2001.335	-0.46152	0.163533	-2.8222	0.004769	0.088309
371	ENSG00000036828.17	6300.984	-0.46266	0.144335	-3.20549	0.001348	0.040883
9266	ENSG00000184677.18	1423.56	-0.46274	0.171669	-2.69553	0.007028	0.115643
6547	ENSG00000157657.14	1418.146	-0.46466	0.170353	-2.72764	0.006379	0.10793
3140	ENSG00000116147.17	1444.88	-0.46611	0.167056	-2.79015	0.005268	0.094477
8138	ENSG00000171316.12	5949.044	-0.46631	0.143641	-3.2464	0.001169	0.036865
4280	ENSG00000131089.17	1868.999	-0.46691	0.164359	-2.84081	0.0045	0.084695
11215	ENSG00000274211.6	1483.284	-0.47394	0.177341	-2.67246	0.00753	0.120253
2631	ENSG00000110395.7	724.7046	-0.47473	0.183782	-2.58313	0.009791	0.141663
1108	ENSG00000082458.12	1013.228	-0.47913	0.17157	-2.79263	0.005228	0.094048
223	ENSG00000012817.16	993.5342	-0.48038	0.178719	-2.68794	0.007189	0.116952
510	ENSG00000054793.14	8887.337	-0.48173	0.150767	-3.19523	0.001397	0.041649
880	ENSG00000073417.15	1033.02	-0.48977	0.177637	-2.75717	0.00583	0.101174
4540	ENSG00000133812.16	766.6327	-0.49053	0.186282	-2.63329	0.008456	0.130392
3417	ENSG00000119682.17	1685.313	-0.49475	0.172545	-2.86738	0.004139	0.080562
3323	ENSG00000118263.15	1163.518	-0.49728	0.182765	-2.7209	0.00651	0.109505
6832	ENSG00000161217.12	655.6292	-0.51149	0.196211	-2.60682	0.009139	0.136207
2391	ENSG00000107562.16	3988.046	-0.51162	0.178507	-2.86613	0.004155	0.080743
4511	ENSG00000133401.16	691.8643	-0.51309	0.191413	-2.68056	0.00735	0.118212
9542	ENSG00000188042.8	754.3404	-0.51538	0.189942	-2.71334	0.006661	0.11159
7143	ENSG00000163945.18	509.3742	-0.52546	0.197201	-2.6646	0.007708	0.122413
4726	ENSG00000135473.15	1521.636	-0.53081	0.17055	-3.11232	0.001856	0.049734
7360	ENSG00000165406.16	2750.334	-0.53087	0.15091	-3.51776	0.000435	0.019588
7501	ENSG00000166348.18	601.3708	-0.53151	0.206946	-2.56837	0.010218	0.146351
2993	ENSG00000114770.17	783.5152	-0.53416	0.178996	-2.98418	0.002843	0.064832
8319	ENSG00000173214.7	453.8322	-0.53775	0.202917	-2.65012	0.008046	0.125856
9553	ENSG00000188211.9	917.2984	-0.53955	0.202408	-2.66565	0.007684	0.122374
846	ENSG00000072134.15	706.0782	-0.54021	0.1863	-2.89965	0.003736	0.076444
9908	ENSG00000197943.10	1003.613	-0.54435	0.18513	-2.94036	0.003278	0.069808
8906	ENSG00000180229.12	1181.981	-0.5465	0.171992	-3.17749	0.001486	0.043374

6191	ENSG00000152127.9	1111.219	-0.55188	0.21072	-2.61903	0.008818	0.133348
398	ENSG00000040633.13	919.6896	-0.55288	0.183036	-3.02059	0.002523	0.059759
1295	ENSG00000089057.15	1532.605	-0.5558	0.166129	-3.34562	0.000821	0.029584
8372	ENSG00000173757.10	1068.047	-0.55659	0.169635	-3.28111	0.001034	0.03403
698	ENSG00000066827.16	376.8542	-0.55678	0.217595	-2.55879	0.010504	0.148763
5339	ENSG00000140992.19	2308.131	-0.5601	0.160516	-3.48936	0.000484	0.021171
9084	ENSG00000182795.13	978.9536	-0.56423	0.180353	-3.1285	0.001757	0.047864
6203	ENSG00000152254.11	764.191	-0.58157	0.224051	-2.5957	0.00944	0.138841
4778	ENSG00000135905.19	392.1955	-0.58356	0.216715	-2.69277	0.007086	0.1161
9249	ENSG00000184465.16	436.5447	-0.585	0.216527	-2.70175	0.006898	0.114111
1152	ENSG00000084112.15	1585.005	-0.58703	0.179103	-3.27761	0.001047	0.034256
8437	ENSG00000174485.16	559.5121	-0.59759	0.192785	-3.09978	0.001937	0.050929
7307	ENSG00000164961.16	827.8246	-0.61091	0.193846	-3.15154	0.001624	0.045551
983	ENSG00000077157.22	530.1026	-0.63292	0.204342	-3.09738	0.001952	0.051225
4006	ENSG00000127946.17	318.786	-0.6438	0.228404	-2.8187	0.004822	0.088846
4845	ENSG00000136383.7	362.0079	-0.64725	0.241307	-2.68227	0.007312	0.117884
5257	ENSG00000140199.13	821.9862	-0.65687	0.180336	-3.64247	0.00027	0.013952
9611	ENSG00000188933.16	631.0965	-0.66176	0.201437	-3.28521	0.001019	0.033951
3377	ENSG00000119321.9	832.1971	-0.66918	0.177178	-3.77689	0.000159	0.010452
9987	ENSG00000198466.12	492.0206	-0.66978	0.213835	-3.13222	0.001735	0.047375
5705	ENSG00000144791.10	609.0649	-0.71362	0.197698	-3.60967	0.000307	0.015447
10441	ENSG00000215158.9	178.7487	-0.72969	0.27703	-2.63396	0.00844	0.130392
10852	ENSG00000248905.10	177.2752	-0.74686	0.276759	-2.69858	0.006964	0.114817
4403	ENSG00000132464.13	181.7928	-0.78248	0.273511	-2.86088	0.004225	0.081676
5367	ENSG00000141376.22	230.1102	-0.81306	0.274685	-2.95999	0.003076	0.067622
58	ENSG00000005156.12	843.0666	-0.85697	0.201981	-4.24285	2.21E-05	0.003346
11145	ENSG00000270149.5	613.0412	-0.89489	0.265916	-3.36532	0.000765	0.027904
11116	ENSG00000268350.7	326.9532	-1.19251	0.235644	-5.06065	4.18E-07	0.000226
11202	ENSG00000273590.4	174.2577	-3.91948	0.385153	-10.1764	2.53E-24	2.88E-20
11006	ENSG00000260220.7	518.7392	0.573563	0.224664	2.552983	0.01068	0.150332
2165	ENSG00000105281.12	1303.912	0.471904	0.184952	2.551493	0.010726	0.15079
1027	ENSG00000078902.16	4425.677	0.376795	0.14773	2.550574	0.010755	0.150854
8650	ENSG00000176994.11	1715.134	-0.43388	0.170116	-2.55048	0.010757	0.150854
6917	ENSG00000162426.15	193.3352	0.694073	0.27264	2.545746	0.010904	0.152505
7291	ENSG00000164896.20	5514.374	0.477613	0.187642	2.545343	0.010917	0.152505
9715	ENSG00000196498.13	8024.883	0.455037	0.178776	2.545296	0.010919	0.152505
728	ENSG00000067836.13	2187.484	0.42838	0.168352	2.544545	0.010942	0.152505
9411	ENSG00000186010.19	4851.486	0.39326	0.154527	2.544929	0.01093	0.152505
11343	ENSG00000284753.2	531.8915	0.634741	0.249842	2.540572	0.011067	0.153872
3978	ENSG00000127463.15	2501.224	-0.40088	0.157781	-2.54074	0.011062	0.153872
3876	ENSG00000125912.11	4257.42	0.490019	0.193008	2.538853	0.011122	0.154115
6818	ENSG00000161013.17	11932.55	0.387118	0.152482	2.538777	0.011124	0.154115
3720	ENSG00000124201.15	972.6351	-0.45182	0.177969	-2.53874	0.011125	0.154115
9287	ENSG00000184924.5	571.8313	0.521731	0.205575	2.537912	0.011152	0.154293
1544	ENSG00000100058.12	863.4574	0.477858	0.188488	2.535215	0.011238	0.154539
1329	ENSG00000090020.11	1528.345	0.424264	0.167345	2.535269	0.011236	0.154539
439	ENSG00000048140.18	2821.279	0.414878	0.163564	2.536489	0.011197	0.154539
8561	ENSG00000175832.13	1826.147	0.409778	0.161659	2.534837	0.01125	0.154539
7645	ENSG00000167468.18	7795.007	0.398367	0.157044	2.536654	0.011192	0.154539
4529	ENSG00000133687.16	2427.617	-0.45013	0.177579	-2.53481	0.011251	0.154539
10737	ENSG00000241343.10	1140.587	0.448026	0.176791	2.534205	0.01127	0.15459
9602	ENSG00000188807.13	2296.02	0.443718	0.175145	2.533431	0.011295	0.15459

7503	ENSG00000166387.13	321.2595	-0.61943	0.24449	-2.53357	0.011291	0.15459
8829	ENSG00000179115.11	5073.754	0.461664	0.182259	2.533006	0.011309	0.154591
10340	ENSG00000213347.10	1287.134	0.562658	0.222238	2.531781	0.011348	0.154946
4930	ENSG00000137038.8	612.0685	0.584025	0.230729	2.531215	0.011367	0.155011
6526	ENSG00000157350.13	1050.666	0.447429	0.176825	2.530342	0.011395	0.155211
8800	ENSG00000178882.15	405.632	0.641798	0.253997	2.526794	0.011511	0.156601
1043	ENSG00000079435.10	789.8973	0.497562	0.197318	2.521624	0.011681	0.158731
3990	ENSG00000127586.17	1817.568	0.532113	0.211058	2.521177	0.011696	0.158744
6363	ENSG00000154874.15	212.411	-0.67388	0.26745	-2.51964	0.011748	0.15925
5486	ENSG00000142733.17	296.3313	0.649024	0.257786	2.517684	0.011813	0.159945
899	ENSG00000074317.11	282.0958	0.636282	0.252834	2.516598	0.011849	0.160058
2510	ENSG00000108799.13	868.0677	-0.4444	0.176586	-2.51662	0.011849	0.160058
2163	ENSG00000105258.9	1417.044	0.415784	0.165266	2.515844	0.011875	0.160211
11147	ENSG00000270231.4	797.9867	-0.44583	0.177302	-2.51455	0.011919	0.160611
2168	ENSG00000105290.13	24002.65	0.396957	0.158026	2.511964	0.012006	0.1616
7755	ENSG00000168140.5	316.0017	0.592129	0.23635	2.50531	0.012234	0.162034
6612	ENSG00000158555.15	544.9455	0.583609	0.23303	2.504436	0.012265	0.162034
11109	ENSG00000267673.6	1150.188	0.536567	0.213964	2.507744	0.01215	0.162034
10007	ENSG00000198598.6	1180.407	0.495924	0.197989	2.504808	0.012252	0.162034
10756	ENSG00000242028.8	1240.948	0.494723	0.197085	2.510204	0.012066	0.162034
4749	ENSG00000135638.14	1062.354	0.493984	0.19708	2.506512	0.012193	0.162034
2960	ENSG00000114383.10	936.2207	0.474977	0.189557	2.505726	0.01222	0.162034
5239	ENSG00000139880.19	1881.607	0.459731	0.183392	2.506826	0.012182	0.162034
4107	ENSG00000129255.16	4215.817	0.439361	0.17545	2.504196	0.012273	0.162034
6545	ENSG00000157637.13	5234.486	0.434855	0.173402	2.507781	0.012149	0.162034
8240	ENSG00000172354.10	22671.07	0.431083	0.17183	2.508772	0.012115	0.162034
7938	ENSG00000169683.8	2046.682	0.426944	0.170265	2.507529	0.012158	0.162034
1501	ENSG00000099797.15	14589.76	0.409736	0.16352	2.505724	0.01222	0.162034
7975	ENSG00000169957.10	1985.529	0.400147	0.159497	2.50881	0.012114	0.162034
6461	ENSG00000156467.10	2604.861	0.383639	0.152836	2.510141	0.012068	0.162034
2639	ENSG00000110514.19	3721.48	-0.39998	0.159705	-2.50448	0.012263	0.162034
10452	ENSG00000215421.9	973.8129	-0.50583	0.20201	-2.50399	0.01228	0.162034
7241	ENSG00000164405.11	2144.527	0.390677	0.156158	2.501803	0.012356	0.162848
4141	ENSG00000129932.10	839.0514	0.507955	0.203161	2.500259	0.01241	0.163371
3918	ENSG00000126391.14	1251.712	0.496164	0.198652	2.497659	0.012502	0.164384
6842	ENSG00000161513.12	336.6177	0.626298	0.251146	2.493761	0.01264	0.165272
7947	ENSG00000169733.12	2219.237	0.492037	0.197189	2.495259	0.012587	0.165272
5048	ENSG00000138030.13	2416.145	0.422808	0.169522	2.49412	0.012627	0.165272
2822	ENSG00000112576.13	2736.51	0.421362	0.168904	2.494681	0.012607	0.165272
722	ENSG00000067596.12	1269.819	-0.42565	0.170691	-2.4937	0.012642	0.165272
7731	ENSG00000167996.16	37013.38	0.369958	0.148385	2.493233	0.012659	0.165302
10521	ENSG00000224093.5	533.2678	-0.49629	0.199521	-2.48741	0.012868	0.167838
3066	ENSG00000115461.5	19929.91	-0.40058	0.161111	-2.48635	0.012906	0.168148
10297	ENSG00000206140.11	205.9154	0.894301	0.360128	2.483284	0.013018	0.169409
1758	ENSG00000101204.18	190.8073	0.955663	0.385262	2.480551	0.013118	0.170331
7892	ENSG00000169220.18	425.6833	0.547974	0.220946	2.48013	0.013133	0.170331
6552	ENSG00000157778.9	658.5913	0.470005	0.1895	2.480237	0.01313	0.170331
10739	ENSG00000241370.6	944.2014	0.469215	0.189354	2.477977	0.013213	0.171167
1135	ENSG00000083750.13	271.7393	-0.60189	0.242959	-2.47734	0.013236	0.171276
4128	ENSG00000129566.13	641.6704	-0.5143	0.207762	-2.47544	0.013307	0.171997
8949	ENSG00000180992.7	925.91	0.432928	0.175023	2.473548	0.013378	0.172324
190	ENSG00000011021.23	2500.933	-0.42092	0.170131	-2.47408	0.013358	0.172324

9729	ENSG00000196569.13	346.2349	-0.70558	0.285246	-2.47357	0.013377	0.172324
11127	ENSG00000269293.3	328.96	0.553191	0.224076	2.468768	0.013558	0.174445
6321	ENSG00000154229.12	1199.925	-0.43251	0.175231	-2.46825	0.013578	0.174502
7691	ENSG00000167711.14	279.473	0.643446	0.260988	2.465426	0.013685	0.175289
9720	ENSG00000196517.13	697.8526	0.475033	0.19265	2.465785	0.013671	0.175289
6658	ENSG00000159176.14	1980	0.460591	0.186789	2.465831	0.01367	0.175289
1759	ENSG00000101210.13	66611.84	0.354397	0.143929	2.462312	0.013804	0.176619
6855	ENSG00000161714.12	374.4932	0.68122	0.276747	2.461526	0.013835	0.176808
10668	ENSG00000235863.4	831.2084	0.462973	0.188179	2.460274	0.013883	0.177227
1042	ENSG00000079432.7	5491.035	0.471339	0.191624	2.459702	0.013905	0.177311
7971	ENSG00000169926.11	1935.426	0.395747	0.16092	2.459283	0.013921	0.17732
8843	ENSG00000179271.3	2060.283	0.431929	0.175684	2.458551	0.01395	0.177483
10984	ENSG00000258986.7	7357.157	0.509567	0.207346	2.457562	0.013988	0.177774
8438	ENSG00000174498.14	2010.645	0.427957	0.174261	2.455843	0.014055	0.178427
10609	ENSG00000231527.7	174.8204	0.685858	0.279325	2.455413	0.014072	0.178442
7280	ENSG00000164756.12	5721.93	-0.44829	0.182817	-2.45214	0.014201	0.179872
6851	ENSG00000161671.17	22035.76	0.362097	0.147733	2.451023	0.014245	0.180032
556	ENSG00000058866.15	244.5868	-0.63079	0.257357	-2.45102	0.014245	0.180032
5884	ENSG00000147262.4	207.8875	-0.72227	0.294761	-2.45036	0.014271	0.180161
7620	ENSG00000167258.15	1603.346	-0.4138	0.16896	-2.44907	0.014323	0.180612
4326	ENSG00000131584.19	12501.01	0.422076	0.172414	2.448035	0.014364	0.18073
10416	ENSG00000214425.8	693.67	-0.4634	0.189289	-2.4481	0.014361	0.18073
3088	ENSG00000115687.14	1285.387	-0.40843	0.166979	-2.44601	0.014445	0.181548
8339	ENSG00000173456.5	4264.748	0.418379	0.171117	2.444987	0.014486	0.181678
2979	ENSG00000114631.11	5054.428	0.377491	0.154396	2.444954	0.014487	0.181678
3294	ENSG00000117691.10	1605.342	0.416588	0.170461	2.443886	0.01453	0.182017
6706	ENSG00000159921.18	1486.651	-0.39092	0.159989	-2.4434	0.01455	0.182062
9483	ENSG00000187079.19	2328.116	-0.40192	0.164567	-2.4423	0.014594	0.182418
5582	ENSG00000143554.14	1585.096	0.415288	0.170171	2.440413	0.01467	0.183172
11056	ENSG00000262655.4	2851.337	-0.43452	0.178102	-2.4397	0.0147	0.183334
5435	ENSG00000141971.13	1944.843	0.451053	0.184944	2.438861	0.014734	0.183357
4775	ENSG00000135862.6	3373.113	-0.37549	0.15394	-2.43921	0.014719	0.183357
1002	ENSG00000077942.19	161.2561	0.88629	0.363541	2.437937	0.014771	0.183626
9410	ENSG00000186001.14	1183.67	-0.42213	0.173301	-2.4358	0.014859	0.184514
2840	ENSG00000112715.24	11002.67	-0.34378	0.141181	-2.435	0.014892	0.184718
209	ENSG00000011478.12	438.1991	0.515913	0.211917	2.434512	0.014912	0.184768
10929	ENSG00000255310.2	225.9931	-0.61719	0.253582	-2.43389	0.014937	0.184882
9036	ENSG00000182208.14	806.9667	0.446843	0.183743	2.43189	0.01502	0.185707
6743	ENSG00000160256.13	502.1323	0.517236	0.212846	2.430091	0.015095	0.186237
3155	ENSG00000116260.17	7649.826	0.415804	0.171108	2.43007	0.015096	0.186237
6592	ENSG00000158286.13	213.8773	-0.70357	0.289635	-2.42917	0.015133	0.186496
4082	ENSG00000128965.13	2272.681	0.554612	0.228387	2.428387	0.015166	0.186699
1507	ENSG00000099817.12	4715.908	0.40685	0.167586	2.427701	0.015195	0.186747
3123	ENSG00000116016.14	2253.806	-0.39549	0.162919	-2.42751	0.015203	0.186747
7864	ENSG00000169020.10	966.3911	0.429526	0.177124	2.424998	0.015308	0.187842
1983	ENSG00000103353.16	1877.25	-0.41547	0.171409	-2.42385	0.015357	0.188235
1686	ENSG00000100726.15	1423.243	0.443835	0.183163	2.423165	0.015386	0.188387
9228	ENSG00000184220.12	184.0597	0.820307	0.33865	2.422289	0.015423	0.188436
6800	ENSG00000160813.7	1203.385	0.523003	0.215886	2.422591	0.01541	0.188436
4163	ENSG00000130202.10	956.9564	0.546058	0.225467	2.421899	0.01544	0.188436
7237	ENSG00000164362.21	482.3703	-0.53183	0.219737	-2.4203	0.015508	0.189063
10670	ENSG00000235961.6	906.3042	0.494273	0.20437	2.418525	0.015584	0.189381

10879	ENSG00000250799.11	906.0761	0.461519	0.190806	2.418786	0.015572	0.189381
10835	ENSG00000247596.9	1808.343	0.451084	0.186481	2.418921	0.015567	0.189381
1075	ENSG00000080854.16	1848.287	0.385905	0.159635	2.417421	0.015631	0.189754
3311	ENSG00000118046.16	2140.452	0.449416	0.18607	2.415312	0.015722	0.190451
3891	ENSG00000126005.17	2680.416	0.403947	0.167244	2.415321	0.015721	0.190451
2641	ENSG00000110583.13	1653.391	-0.39343	0.162932	-2.41466	0.01575	0.190588
4685	ENSG00000135144.7	1059.359	0.453146	0.187844	2.412359	0.01585	0.191389
11055	ENSG00000262246.6	4758.624	0.419993	0.174083	2.412597	0.015839	0.191389
4629	ENSG00000134697.13	1128.225	0.408849	0.169734	2.408758	0.016007	0.193083
7931	ENSG00000169627.9	750.1136	0.492683	0.204586	2.408194	0.016032	0.193166
7695	ENSG00000167733.13	1362.772	0.443359	0.184132	2.407829	0.016048	0.193166
4499	ENSG00000133243.10	3573.713	0.432749	0.179858	2.406063	0.016125	0.193897
7504	ENSG00000166398.14	664.149	-0.46949	0.195258	-2.40443	0.016198	0.194559
410	ENSG00000042493.16	509.8368	0.515408	0.214502	2.402808	0.01627	0.195022
446	ENSG00000048649.13	1444.222	0.392121	0.163194	2.402793	0.01627	0.195022
795	ENSG00000070404.10	419.5704	0.51497	0.214579	2.399912	0.016399	0.196357
5341	ENSG00000140995.16	2281.508	0.423312	0.176441	2.39917	0.016432	0.196549
9256	ENSG00000184545.11	3435.792	0.437211	0.182387	2.397158	0.016523	0.197084
9536	ENSG00000187954.12	2623.728	0.408816	0.170526	2.397376	0.016513	0.197084
1115	ENSG00000082805.20	1812.135	-0.40251	0.167921	-2.39702	0.016529	0.197084
133	ENSG00000007545.16	882.7812	-0.48152	0.201264	-2.39245	0.016736	0.199347
7735	ENSG00000168005.9	2927.297	0.387034	0.161804	2.391987	0.016757	0.199391
2883	ENSG00000113360.16	1691.275	0.535645	0.224357	2.387468	0.016965	0.20084
3767	ENSG00000124762.14	405.7938	0.528541	0.221287	2.388487	0.016918	0.20084
7823	ENSG00000168758.11	529.1673	0.521747	0.218455	2.388347	0.016924	0.20084
1638	ENSG00000100429.18	968.9061	0.447107	0.187308	2.387012	0.016986	0.20084
1837	ENSG00000101940.18	7015.125	0.43708	0.183154	2.386403	0.017014	0.20084
7732	ENSG00000168000.14	5404.689	0.417195	0.174832	2.386268	0.01702	0.20084
10386	ENSG00000213949.10	649.3368	-0.5516	0.231117	-2.38666	0.017002	0.20084
6519	ENSG00000157227.13	391.4929	-0.5692	0.238478	-2.3868	0.016996	0.20084
9291	ENSG00000184967.7	1141.316	0.436116	0.182882	2.384681	0.017094	0.201083
10887	ENSG00000251562.8	31097.8	0.394836	0.165564	2.384798	0.017088	0.201083
9297	ENSG00000185002.10	2062.65	-0.37658	0.157903	-2.3849	0.017084	0.201083
10666	ENSG00000235750.10	361.7602	-0.51595	0.216568	-2.38237	0.017202	0.202142
1505	ENSG00000099812.9	2426.604	0.406991	0.170951	2.380748	0.017278	0.202824
1858	ENSG00000102109.9	68127.19	0.448112	0.188289	2.379921	0.017316	0.203026
6825	ENSG00000161091.13	3976.98	0.437511	0.183857	2.379622	0.01733	0.203026
3378	ENSG00000119326.15	1192.722	0.398859	0.167895	2.375647	0.017518	0.205016
3968	ENSG00000127220.6	1416.166	0.452527	0.19063	2.373845	0.017604	0.205807
2203	ENSG00000105523.3	1403.891	0.448974	0.189187	2.37318	0.017636	0.205967
8459	ENSG00000174744.14	1672.659	0.419388	0.176777	2.372418	0.017672	0.205969
7690	ENSG00000167703.15	2244.509	0.405781	0.171033	2.372531	0.017667	0.205969
3870	ENSG00000125875.14	3477.558	-0.35513	0.149856	-2.36983	0.017796	0.207206
8462	ENSG00000174775.17	2502.466	0.471516	0.199145	2.367699	0.017899	0.207976
11057	ENSG00000262664.3	1496.796	0.434118	0.183324	2.36803	0.017883	0.207976
8882	ENSG00000179922.6	463.3583	0.510413	0.215692	2.366396	0.017962	0.208497
4000	ENSG00000127838.14	1863.999	0.431864	0.182559	2.365607	0.018001	0.208729
2734	ENSG00000111696.12	872.2627	-0.43923	0.185704	-2.36523	0.018019	0.208731
2157	ENSG00000105223.20	18479.52	0.399236	0.168862	2.364276	0.018065	0.209055
1766	ENSG00000101255.11	20832.86	0.396273	0.16771	2.362848	0.018135	0.209649
3544	ENSG00000121410.12	631.2451	0.556348	0.235624	2.36117	0.018217	0.209723
8355	ENSG00000173581.8	1147.927	0.434748	0.184229	2.359816	0.018284	0.209723

9389	ENSG00000185800.12	1987.533	0.419096	0.177511	2.360955	0.018228	0.209723
7704	ENSG00000167797.8	2308.935	0.406841	0.172428	2.359481	0.018301	0.209723
2141	ENSG00000105088.8	3595.301	0.392502	0.166161	2.362186	0.018168	0.209723
2716	ENSG00000111639.8	1721.832	0.375708	0.159259	2.359096	0.01832	0.209723
10434	ENSG00000215012.9	2604.775	0.367904	0.15596	2.358972	0.018326	0.209723
5025	ENSG00000137822.13	1429.301	-0.39825	0.16863	-2.3617	0.018191	0.209723
4248	ENSG00000130803.15	849.1964	-0.41897	0.177516	-2.36021	0.018265	0.209723
4639	ENSG00000134775.15	726.7201	-0.47063	0.199464	-2.35949	0.0183	0.209723
7532	ENSG00000166548.16	352.7568	-0.53353	0.226363	-2.35697	0.018425	0.210646
5197	ENSG00000139410.15	193.1615	0.7019	0.298247	2.353417	0.018602	0.210974
3108	ENSG00000115884.11	527.0585	0.484371	0.205652	2.355292	0.018508	0.210974
1362	ENSG00000090975.12	563.6443	0.463561	0.19677	2.355856	0.01848	0.210974
4643	ENSG00000134809.9	543.1249	0.455368	0.193436	2.354098	0.018568	0.210974
8423	ENSG00000174358.16	754.106	0.446322	0.189596	2.354065	0.018569	0.210974
1791	ENSG00000101439.9	12715.69	0.421988	0.179291	2.353655	0.01859	0.210974
2383	ENSG00000107404.20	2884.602	0.398721	0.169344	2.354506	0.018547	0.210974
8531	ENSG00000175416.15	2754.367	0.36299	0.15418	2.354333	0.018556	0.210974
9432	ENSG00000186260.17	1590.345	-0.38675	0.164393	-2.35259	0.018643	0.211232
2536	ENSG00000109072.14	3186.645	0.399783	0.170008	2.351547	0.018696	0.211616
2982	ENSG00000114650.20	7568.265	0.454101	0.19326	2.349694	0.018789	0.212461
878	ENSG00000073169.14	1794.602	0.438925	0.186901	2.348441	0.018852	0.212607
2178	ENSG00000105364.14	2573.157	0.409227	0.174225	2.348835	0.018832	0.212607
8628	ENSG00000176700.20	269.5728	-0.59027	0.251357	-2.34833	0.018858	0.212607
10256	ENSG00000205309.14	338.5959	0.668634	0.284803	2.347705	0.018889	0.212754
9842	ENSG00000197355.11	1826.116	0.374869	0.159732	2.346862	0.018932	0.213025
1376	ENSG00000091428.18	575.0912	-0.46398	0.197753	-2.34625	0.018963	0.213165
10288	ENSG00000205765.9	950.954	-0.40445	0.172446	-2.34536	0.019009	0.213463
637	ENSG00000065029.15	1528.502	-0.38816	0.165652	-2.3432	0.019119	0.214491
2226	ENSG00000105676.14	2513.779	0.404624	0.172724	2.342597	0.01915	0.214628
9933	ENSG00000198055.11	2691.93	0.364721	0.155829	2.340525	0.019257	0.215398
5483	ENSG00000142687.18	1543.38	-0.4258	0.181921	-2.3406	0.019253	0.215398
10164	ENSG00000204237.5	1193.716	0.471116	0.201446	2.338671	0.019352	0.216258
2743	ENSG00000111752.11	1710.91	-0.39098	0.167263	-2.33754	0.019411	0.216698
647	ENSG00000065308.5	1028.02	-0.41746	0.178628	-2.33701	0.019438	0.216793
4909	ENSG00000136877.15	1812.224	0.3876	0.165911	2.33619	0.019481	0.217059
220	ENSG00000012232.9	1756.336	-0.38318	0.164114	-2.33482	0.019553	0.217643
545	ENSG00000058262.10	11477.72	-0.33322	0.14283	-2.33295	0.019651	0.218092
704	ENSG00000067057.17	1004.827	-0.39688	0.170114	-2.33303	0.019646	0.218092
2595	ENSG00000109920.13	1224.721	-0.40925	0.175417	-2.33299	0.019649	0.218092
11140	ENSG00000269955.2	666.6878	0.42906	0.184001	2.331827	0.01971	0.218492
9854	ENSG00000197457.10	9761.02	0.354702	0.152132	2.331536	0.019725	0.218492
6975	ENSG00000162910.19	724.3736	0.455939	0.195592	2.33107	0.01975	0.218551
6742	ENSG00000160233.8	556.9763	0.44629	0.191513	2.33034	0.019788	0.218597
1923	ENSG00000102967.12	232.8097	-0.6456	0.277049	-2.33026	0.019792	0.218597
10910	ENSG00000254470.3	3333.745	0.439823	0.18881	2.329445	0.019836	0.218761
7646	ENSG00000167470.12	1983.833	0.385382	0.165465	2.329084	0.019855	0.218761
123	ENSG00000007202.15	4621.203	-0.36519	0.15681	-2.32889	0.019865	0.218761
5314	ENSG00000140691.18	1463.069	0.513835	0.220677	2.328445	0.019888	0.218812
4907	ENSG00000136874.11	624.8229	-0.4876	0.209595	-2.32639	0.019998	0.219804
8901	ENSG00000180182.11	3533.632	-0.36584	0.157288	-2.32593	0.020022	0.219858
4306	ENSG00000131389.17	3961.818	-0.35939	0.154584	-2.32491	0.020077	0.220246
10275	ENSG00000205593.12	395.9494	0.51115	0.220073	2.322636	0.020199	0.220521

3874	ENSG00000125898.13	1543.026	0.507157	0.218327	2.322925	0.020183	0.220521
8247	ENSG00000172428.11	673.0862	0.483345	0.207999	2.323785	0.020137	0.220521
4979	ENSG00000137404.14	1764.502	0.411158	0.177005	2.322858	0.020187	0.220521
9579	ENSG00000188559.15	2566.311	-0.35421	0.152472	-2.32309	0.020174	0.220521
8888	ENSG00000179958.9	1259.582	0.383051	0.164969	2.321956	0.020235	0.220708
3595	ENSG00000122386.11	772.5377	0.440259	0.189639	2.321562	0.020257	0.220728
2190	ENSG00000105427.10	252.7258	0.583929	0.251798	2.319041	0.020393	0.221366
1185	ENSG00000085644.14	1241.2	0.467325	0.201498	2.319255	0.020381	0.221366
2803	ENSG00000112306.8	6786.905	0.359694	0.155077	2.319459	0.02037	0.221366
5294	ENSG00000140488.16	257.5387	-0.56956	0.245492	-2.3201	0.020336	0.221366
8312	ENSG00000173153.16	2029.665	0.45921	0.198229	2.316559	0.020528	0.222618
9545	ENSG00000188130.14	1576.407	0.395871	0.17096	2.315579	0.020581	0.222986
595	ENSG00000062822.15	4247.765	0.404698	0.17488	2.314144	0.02066	0.223625
7708	ENSG00000167861.16	5310.548	0.399329	0.172591	2.313726	0.020683	0.223661
8080	ENSG00000170873.19	3811.786	-0.34087	0.147422	-2.31222	0.020765	0.224313
3195	ENSG00000116704.8	255.2413	-0.55714	0.240986	-2.31191	0.020783	0.224313
8108	ENSG00000171130.18	10920.5	0.390981	0.169154	2.311389	0.020811	0.224412
842	ENSG00000072071.16	10313.33	0.41664	0.180346	2.310222	0.020876	0.224895
6781	ENSG00000160695.15	1399.562	-0.38936	0.168578	-2.30964	0.020908	0.22503
7787	ENSG00000168393.13	1694.773	0.385665	0.167034	2.308906	0.020949	0.225254
8325	ENSG00000173264.14	2972.948	0.466571	0.202113	2.308461	0.020974	0.225307
9884	ENSG00000197756.10	9248.958	0.353984	0.153458	2.30672	0.02107	0.226135
8149	ENSG00000171450.6	4624.227	0.405795	0.175979	2.305925	0.021115	0.226398
9018	ENSG00000182095.14	1902.986	0.497363	0.215822	2.304505	0.021194	0.227036
10474	ENSG00000218891.5	1840.986	0.467959	0.203166	2.303334	0.02126	0.227522
5525	ENSG00000143195.13	337.7371	-0.72408	0.314407	-2.30299	0.02128	0.227522
9793	ENSG00000197019.5	295.9265	0.589617	0.256214	2.30127	0.021376	0.228227
292	ENSG00000023171.18	854.0448	-0.44033	0.191356	-2.30111	0.021386	0.228227
9707	ENSG00000196456.13	1243.66	0.447462	0.194515	2.300391	0.021426	0.228445
8976	ENSG00000181409.14	686.771	0.640896	0.278963	2.297421	0.021595	0.229876
4374	ENSG00000132207.18	874.9061	0.45934	0.199946	2.297317	0.021601	0.229876
9595	ENSG00000188735.13	712.9409	0.427136	0.186172	2.294309	0.021773	0.231491
9875	ENSG00000197696.10	166.3363	0.676111	0.294996	2.291935	0.021909	0.232726
8346	ENSG00000173511.9	3914.025	0.417704	0.182327	2.290953	0.021966	0.233111
1532	ENSG00000099999.15	546.4484	0.483509	0.211149	2.28989	0.022028	0.233113
3054	ENSG00000115355.17	2019.911	0.354078	0.154619	2.290003	0.022021	0.233113
8747	ENSG00000178031.17	3286.84	-0.33936	0.148201	-2.28989	0.022027	0.233113
2540	ENSG00000109089.7	341.4056	0.526303	0.229902	2.289248	0.022065	0.23329
9822	ENSG00000197177.15	373.5679	0.590353	0.258155	2.286815	0.022207	0.23457
5713	ENSG00000144847.13	391.9576	-0.51154	0.223887	-2.28482	0.022323	0.235582
3502	ENSG00000120738.8	4296.627	0.510121	0.223304	2.284422	0.022347	0.235613
4175	ENSG00000130304.17	284.3828	0.609929	0.267208	2.282598	0.022454	0.236526
10372	ENSG00000213741.11	1778.954	0.441256	0.193399	2.281581	0.022514	0.236939
8679	ENSG00000177302.15	2347.906	-0.35958	0.157688	-2.2803	0.02259	0.237349
10405	ENSG00000214176.9	258.1485	-0.55175	0.241973	-2.28022	0.022595	0.237349
11244	ENSG00000276045.3	904.3964	0.426117	0.186952	2.279287	0.02265	0.23771
8768	ENSG00000178295.15	612.1498	-0.50271	0.220669	-2.27814	0.022718	0.238209
9490	ENSG00000187186.15	498.2188	0.561232	0.246497	2.276837	0.022796	0.238583
11161	ENSG00000272079.2	458.3456	0.49692	0.218239	2.276949	0.022789	0.238583
476	ENSG00000050820.17	6444.038	0.350803	0.154199	2.275001	0.022906	0.239513
6554	ENSG00000157800.18	1039.666	-0.39338	0.173048	-2.27324	0.023012	0.240401
6132	ENSG00000151327.12	618.3223	0.469077	0.206385	2.272825	0.023037	0.240439

7625	ENSG00000167283.8	3560.762	0.402203	0.17715	2.27041	0.023183	0.241741
9232	ENSG00000184261.5	168.7657	0.716993	0.316044	2.268649	0.02329	0.241971
3987	ENSG00000127564.17	1470.935	0.461369	0.203325	2.269119	0.023261	0.241971
4480	ENSG00000133069.17	880.0313	0.403935	0.178004	2.26925	0.023253	0.241971
5981	ENSG00000148606.13	1662.914	-0.40775	0.17971	-2.26894	0.023272	0.241971
599	ENSG00000063176.16	3222.522	0.388371	0.171307	2.267102	0.023384	0.242521
9647	ENSG00000196090.12	2290.45	-0.36707	0.161938	-2.26673	0.023407	0.242521
6668	ENSG00000159267.15	1036.262	-0.39731	0.175257	-2.26701	0.023389	0.242521
2035	ENSG00000104131.13	1607.027	0.405801	0.179095	2.265839	0.023461	0.242867
6543	ENSG00000157600.12	2215.622	-0.39555	0.17461	-2.26534	0.023492	0.242962
10936	ENSG00000255737.2	561.5761	0.442836	0.195547	2.264602	0.023537	0.24321
1394	ENSG00000092096.17	6064.625	0.365608	0.161484	2.26405	0.023571	0.24334
9429	ENSG00000186197.15	4314.521	-0.34277	0.151442	-2.26335	0.023614	0.243565
10402	ENSG00000214114.9	275.171	0.651084	0.287857	2.261833	0.023708	0.243691
4096	ENSG00000129159.9	417.2572	0.499031	0.220626	2.261888	0.023704	0.243691
11033	ENSG00000261221.3	1969.767	0.449635	0.198794	2.261809	0.023709	0.243691
7588	ENSG00000166974.13	1867.204	-0.39328	0.173883	-2.26176	0.023712	0.243691
770	ENSG00000069424.15	279.9708	0.606675	0.268412	2.260238	0.023806	0.243781
6782	ENSG00000160703.16	1091.805	0.487238	0.21553	2.260652	0.023781	0.243781
6879	ENSG00000162066.15	2593.028	0.437433	0.193513	2.260488	0.023791	0.243781
8293	ENSG00000172932.16	1901.863	0.38107	0.168524	2.261229	0.023745	0.243781
7419	ENSG00000165802.23	3547.508	0.36075	0.159701	2.258918	0.023888	0.244401
6783	ENSG00000160710.17	6827.421	-0.3426	0.151784	-2.25719	0.023996	0.245284
740	ENSG00000068137.15	2532.627	0.451322	0.200048	2.256072	0.024066	0.245699
4970	ENSG00000137288.10	1508.14	0.401945	0.178182	2.255808	0.024083	0.245699
5087	ENSG00000138375.13	873.2298	-0.39856	0.176706	-2.25551	0.024102	0.245699
8362	ENSG00000173653.8	1299.898	0.486713	0.215899	2.254356	0.024174	0.246214
1793	ENSG00000101443.18	448.0162	0.502972	0.223163	2.253826	0.024207	0.246333
3138	ENSG00000116138.13	389.3745	-0.60246	0.267469	-2.25244	0.024294	0.246998
3718	ENSG00000124194.17	1349.096	0.407969	0.181168	2.251882	0.02433	0.247139
11270	ENSG00000277701.5	480.6041	-0.47891	0.212903	-2.24941	0.024487	0.24851
4320	ENSG00000131495.9	841.9319	0.415395	0.184757	2.248338	0.024555	0.248819
10733	ENSG00000241015.2	363.5619	-0.49727	0.221186	-2.24821	0.024563	0.248819
10744	ENSG00000241489.8	282.9709	-0.54593	0.24286	-2.2479	0.024583	0.248819
10776	ENSG00000243279.4	5211.618	0.382841	0.170591	2.244212	0.024819	0.250987
29	ENSG00000003756.17	2636.786	-0.34534	0.153964	-2.24297	0.024899	0.251572
9146	ENSG00000183444.10	210.9085	0.589815	0.263188	2.241036	0.025024	0.252164
2173	ENSG00000105329.10	1053.032	0.541515	0.241634	2.241058	0.025022	0.252164
2330	ENSG00000106628.10	7795.863	0.328109	0.146403	2.24113	0.025018	0.252164
3338	ENSG00000118579.13	1286.981	0.383357	0.171096	2.240598	0.025052	0.252227
1727	ENSG00000101004.15	1639.052	-0.3862	0.172392	-2.24024	0.025076	0.252239
4944	ENSG00000137133.11	1423.421	0.373197	0.166677	2.239039	0.025153	0.252799
11009	ENSG00000260260.1	232.728	0.575838	0.257249	2.238447	0.025192	0.252964
9250	ENSG00000184470.21	982.6632	0.391008	0.174707	2.238077	0.025216	0.252982
8897	ENSG00000180096.12	208.5953	0.606518	0.271048	2.237677	0.025242	0.253021
10795	ENSG00000243989.9	693.7559	0.416025	0.185995	2.236751	0.025303	0.253404
7684	ENSG00000167685.15	2075.689	0.447691	0.20019	2.236332	0.02533	0.253456
2607	ENSG00000110063.10	913.113	0.393359	0.175937	2.235801	0.025365	0.253582
6585	ENSG00000158164.7	325.5239	0.562684	0.251877	2.233961	0.025486	0.254566
9029	ENSG00000182173.13	2315.035	0.405109	0.18144	2.232745	0.025566	0.255142
9565	ENSG00000188338.15	1880.159	0.41531	0.186138	2.231196	0.025668	0.255534
3992	ENSG00000127616.19	10677.74	0.384295	0.172242	2.231133	0.025672	0.255534

2367	ENSG00000107185.10	3015.775	-0.34205	0.153292	-2.23137	0.025657	0.255534
3957	ENSG00000126934.14	8457.778	0.401791	0.180168	2.230091	0.025741	0.255774
9599	ENSG00000188785.12	206.5265	-0.62832	0.281728	-2.23025	0.025731	0.255774
7332	ENSG00000165171.11	560.5139	0.438274	0.196592	2.22936	0.02579	0.25586
7321	ENSG00000165066.13	9832.279	0.323865	0.145278	2.229284	0.025795	0.25586
2780	ENSG00000112139.16	253.4785	0.645116	0.289571	2.227831	0.025892	0.256134
6331	ENSG00000154358.21	470.8032	0.62758	0.281747	2.22746	0.025917	0.256134
1037	ENSG00000079313.15	1998.492	0.459819	0.206422	2.227574	0.025909	0.256134
3814	ENSG00000125505.17	5659.302	0.390816	0.175382	2.228364	0.025856	0.256134
600	ENSG00000063177.13	16372.91	0.324202	0.145566	2.227183	0.025935	0.256134
4183	ENSG00000130340.16	2691.219	-0.33503	0.150497	-2.22618	0.026002	0.256575
8887	ENSG00000179954.16	194.2177	0.604282	0.27168	2.224244	0.026132	0.25741
1986	ENSG00000103365.15	2881.256	-0.42338	0.190346	-2.22428	0.026129	0.25741
5692	ENSG00000144655.15	922.3704	0.397831	0.178919	2.223518	0.026181	0.257668
779	ENSG00000069998.12	1593.833	0.395069	0.177775	2.222294	0.026263	0.258257
9648	ENSG00000196092.14	2116.711	-0.34384	0.154751	-2.22192	0.026289	0.258283
1484	ENSG00000099290.17	1055.004	-0.37864	0.170469	-2.22119	0.026338	0.258547
3817	ENSG00000125533.6	184.8454	0.698465	0.314682	2.219589	0.026447	0.25936
10531	ENSG00000224877.4	520.2386	0.467546	0.210756	2.218418	0.026526	0.25936
9627	ENSG00000189143.9	954.8236	0.425926	0.191975	2.218653	0.02651	0.25936
2037	ENSG00000104142.11	2996.664	0.414151	0.186727	2.217957	0.026558	0.25936
7937	ENSG00000169682.18	5780.774	0.399583	0.180128	2.218333	0.026532	0.25936
8476	ENSG00000174915.12	2611.188	0.347541	0.156701	2.217855	0.026565	0.25936
3716	ENSG00000124181.14	6836.159	-0.33897	0.152851	-2.21762	0.026581	0.25936
8478	ENSG00000174938.14	20660.15	0.396794	0.178994	2.2168	0.026637	0.259463
596	ENSG00000063015.20	6604.513	0.341198	0.15391	2.216868	0.026632	0.259463
11135	ENSG00000269821.1	1092.891	0.498363	0.224971	2.215231	0.026744	0.260287
10154	ENSG00000204175.5	306.7252	0.552158	0.24933	2.214565	0.02679	0.26051
6584	ENSG00000158161.16	1054.191	-0.38541	0.174165	-2.21293	0.026903	0.26122
10298	ENSG00000206149.10	984.8359	-0.38878	0.175692	-2.21284	0.026909	0.26122
7094	ENSG00000163697.17	718.1857	-0.45124	0.203979	-2.2122	0.026953	0.261424
4176	ENSG00000130305.17	1756.528	0.422759	0.191249	2.21052	0.027069	0.262105
9866	ENSG00000197586.13	2628.571	0.367068	0.166055	2.210527	0.027069	0.262105
10605	ENSG00000230989.7	2786.015	0.371198	0.167969	2.209916	0.027111	0.262288
4553	ENSG00000133983.16	803.9631	0.413977	0.187378	2.209317	0.027153	0.26241
9331	ENSG00000185262.9	1429.497	0.383321	0.173533	2.208922	0.02718	0.26241
4567	ENSG00000134086.8	1955.81	-0.35966	0.162836	-2.20874	0.027193	0.26241
5554	ENSG00000143390.17	872.9093	-0.39157	0.177323	-2.20821	0.02723	0.262543
9492	ENSG00000187193.9	171.2371	3.309507	1.499013	2.207791	0.027259	0.262603
10839	ENSG00000248008.3	263.9975	-0.57941	0.262485	-2.20742	0.027285	0.262631
7255	ENSG00000164587.13	9167.416	0.31451	0.142502	2.207054	0.02731	0.262654
9622	ENSG00000189077.11	820.142	0.482831	0.219054	2.204163	0.027513	0.263711
990	ENSG00000077348.9	465.878	0.467431	0.212047	2.204369	0.027498	0.263711
10301	ENSG00000206503.13	13590.93	0.350749	0.159093	2.204677	0.027477	0.263711
7510	ENSG00000166436.16	407.9458	-0.46557	0.211144	-2.20497	0.027456	0.263711
9505	ENSG00000187514.16	20040.74	0.341356	0.15493	2.203289	0.027574	0.263857
4260	ENSG00000130856.16	380.2505	-0.49426	0.224304	-2.20351	0.027559	0.263857
7263	ENSG00000164620.9	753.6487	0.457796	0.208085	2.20004	0.027804	0.265831
11183	ENSG00000272886.6	777.1838	-0.39169	0.178095	-2.19935	0.027853	0.266075
3193	ENSG00000116691.11	1266.904	0.441147	0.200613	2.199002	0.027878	0.266089
8530	ENSG00000175414.7	1626.103	-0.35273	0.160546	-2.19709	0.028014	0.267163
844	ENSG00000072121.16	1583.479	-0.38798	0.176687	-2.19588	0.028101	0.267766

5474	ENSG00000142634.13	1624.677	0.365313	0.166443	2.19482	0.028176	0.268266
2629	ENSG00000110344.10	1561.594	-0.3576	0.162964	-2.19433	0.028212	0.268379
879	ENSG00000073350.14	10499.4	0.376158	0.171545	2.192761	0.028325	0.269226
9957	ENSG00000198218.11	1912.983	-0.34518	0.15745	-2.19234	0.028355	0.269291
10364	ENSG00000213638.6	483.8137	0.534999	0.244084	2.191868	0.028389	0.269329
2119	ENSG00000104897.10	3123.566	0.358126	0.163425	2.19138	0.028424	0.269329
1843	ENSG00000102003.11	23495.06	0.342755	0.156416	2.1913	0.02843	0.269329
10424	ENSG00000214706.10	2144.226	0.389356	0.177786	2.190028	0.028522	0.269882
7434	ENSG00000165915.14	2806.56	0.380159	0.173627	2.189513	0.02856	0.269882
2827	ENSG00000112624.12	781.2107	-0.39907	0.182249	-2.18973	0.028544	0.269882
8619	ENSG00000176531.10	2373.933	0.422269	0.192953	2.188452	0.028637	0.270387
11251	ENSG00000276570.1	288.8795	0.549534	0.251267	2.187054	0.028739	0.270899
6723	ENSG00000160145.15	197.3033	-0.74821	0.342102	-2.1871	0.028735	0.270899
9196	ENSG00000183856.11	2732.83	-0.35756	0.163652	-2.1849	0.028896	0.27216
4383	ENSG00000132326.12	741.102	-0.41635	0.190602	-2.18437	0.028935	0.2723
9072	ENSG00000182648.13	851.4076	0.444152	0.203367	2.183993	0.028963	0.272336
785	ENSG00000070061.16	1443.41	-0.35284	0.161604	-2.18338	0.029008	0.272533
6773	ENSG00000160602.14	719.0492	-0.42897	0.196517	-2.18289	0.029044	0.272652
1112	ENSG00000082641.16	6271.918	-0.34665	0.159051	-2.17949	0.029295	0.274781
409	ENSG00000042445.14	602.8881	-0.41912	0.192348	-2.17896	0.029335	0.274924
4980	ENSG00000137409.19	7757.267	0.344014	0.15797	2.177718	0.029427	0.275564
3541	ENSG00000121351.8	789.9956	-0.52806	0.242778	-2.17508	0.029624	0.277181
11311	ENSG00000280287.1	184.964	0.640686	0.29477	2.173509	0.029742	0.278056
1644	ENSG00000100461.18	2747.301	-0.34595	0.159223	-2.17272	0.029801	0.278382
10876	ENSG00000250644.3	781.7137	0.473431	0.218028	2.171429	0.029899	0.279063
5338	ENSG00000140990.15	2248.04	0.338215	0.155786	2.171016	0.02993	0.279126
9615	ENSG00000188994.13	1073.404	0.494831	0.228013	2.170187	0.029993	0.2794
8973	ENSG00000181392.17	974.2025	0.468003	0.215768	2.169009	0.030082	0.2794
2267	ENSG00000106009.16	1326.284	0.42148	0.194274	2.169516	0.030044	0.2794
3082	ENSG00000115649.16	2569.065	0.406256	0.187299	2.169027	0.030081	0.2794
311	ENSG00000025770.19	4639.989	0.381649	0.175898	2.169718	0.030028	0.2794
3922	ENSG00000126460.11	700.1084	0.467154	0.215449	2.168283	0.030137	0.279642
6663	ENSG00000159214.13	625.2845	0.4281	0.197461	2.16802	0.030157	0.279642
10699	ENSG00000238105.7	746.5202	-0.44106	0.203681	-2.16543	0.030355	0.281243
7414	ENSG00000165752.17	459.0094	0.439278	0.202893	2.165076	0.030382	0.281267
1708	ENSG00000100897.18	2432.489	-0.33131	0.153115	-2.16378	0.030481	0.281955
1449	ENSG00000095564.14	1343.6	-0.35649	0.164785	-2.16339	0.030511	0.282008
5291	ENSG00000140464.20	1188.85	0.42992	0.199081	2.159523	0.03081	0.282931
3746	ENSG00000124493.14	571.4364	0.425979	0.197263	2.159448	0.030815	0.282931
913	ENSG00000074855.11	890.5081	0.420934	0.19491	2.159634	0.030801	0.282931
7043	ENSG00000163463.13	3830.21	0.367762	0.17015	2.161393	0.030665	0.282931
8489	ENSG00000175061.18	4381.805	0.36596	0.169521	2.158793	0.030866	0.282931
1454	ENSG00000095932.7	1369.814	0.359909	0.166572	2.16068	0.03072	0.282931
1183	ENSG00000085552.17	3303.794	0.356862	0.165178	2.160468	0.030736	0.282931
7679	ENSG00000167657.14	2872.665	0.356205	0.164855	2.160711	0.030718	0.282931
9730	ENSG00000196576.15	16148.95	0.332408	0.153784	2.161523	0.030655	0.282931
10218	ENSG00000204634.12	478.2266	-0.43401	0.201045	-2.15875	0.030869	0.282931
7165	ENSG00000164048.14	322.702	-0.48961	0.226823	-2.15856	0.030885	0.282931
9438	ENSG00000186395.8	861.7842	0.431588	0.200187	2.155927	0.031089	0.284516
5629	ENSG00000143947.14	5833.912	0.347958	0.161414	2.155693	0.031108	0.284516
6009	ENSG00000149115.14	765.8432	0.431904	0.20045	2.154672	0.031187	0.284822
11261	ENSG00000277200.1	2172.141	0.409309	0.189967	2.154627	0.031191	0.284822

3154	ENSG00000116251.11	6468.58	0.311911	0.144853	2.153301	0.031295	0.285375
2049	ENSG00000104299.15	441.5358	-0.45079	0.209354	-2.15322	0.031302	0.285375
7561	ENSG00000166833.22	1333.709	-0.37027	0.172005	-2.15269	0.031343	0.285526
4195	ENSG00000130479.11	3417.625	0.419213	0.194863	2.151321	0.031451	0.285591
5066	ENSG00000138111.14	1783.857	0.386222	0.179507	2.151568	0.031431	0.285591
2730	ENSG00000111676.15	8780.472	0.380025	0.176617	2.151687	0.031422	0.285591
3829	ENSG00000125656.11	1985.817	0.363494	0.168943	2.151576	0.031431	0.285591
3808	ENSG00000125458.7	1251.327	0.416794	0.193774	2.150935	0.031481	0.28564
7705	ENSG00000167815.12	14119.27	0.337009	0.156756	2.149891	0.031564	0.28616
1171	ENSG00000085224.23	1879.457	0.335584	0.156203	2.148389	0.031683	0.287011
11186	ENSG00000273018.7	237.5913	-0.532	0.247813	-2.14678	0.031811	0.287944
11058	ENSG00000262814.8	3048.579	0.428456	0.199686	2.145653	0.031901	0.288296
10769	ENSG00000242612.7	931.0043	0.394835	0.183993	2.145929	0.031879	0.288296
10433	ENSG00000214999.3	460.9587	-0.58409	0.272468	-2.14369	0.032058	0.289484
3070	ENSG00000115504.15	612.0583	0.42963	0.200675	2.140923	0.03228	0.291033
5488	ENSG00000142765.18	4185.436	0.383978	0.179331	2.141167	0.032261	0.291033
1431	ENSG00000094914.14	1651.761	0.350917	0.163938	2.140553	0.03231	0.291072
11349	ENSG00000284976.1	990.9762	0.504438	0.235752	2.1397	0.032379	0.291434
9248	ENSG00000184451.5	1108.47	0.446908	0.208913	2.139201	0.032419	0.291434
6604	ENSG00000158467.16	1031.655	-0.36717	0.171644	-2.13911	0.032427	0.291434
1499	ENSG00000099785.10	463.714	0.519619	0.242987	2.138467	0.032479	0.29167
1711	ENSG00000100908.14	660.4312	0.442276	0.206862	2.138022	0.032515	0.291763
4131	ENSG00000129654.8	1857.789	0.381897	0.178665	2.137502	0.032557	0.291912
1143	ENSG00000083845.9	16103.86	0.327643	0.153355	2.136501	0.032639	0.292412
4990	ENSG00000137496.18	340.1766	-0.48341	0.226336	-2.13582	0.032694	0.292681
156	ENSG00000008710.20	9755.925	0.437656	0.204947	2.13546	0.032723	0.292712
4838	ENSG00000136295.15	2817.911	0.364601	0.170789	2.134806	0.032777	0.292959
2410	ENSG00000107816.17	488.5893	0.430681	0.202004	2.132046	0.033003	0.294449
5917	ENSG00000147684.9	1737.403	0.366596	0.171963	2.131827	0.033021	0.294449
6275	ENSG00000153406.13	1998.992	0.365231	0.171297	2.132148	0.032995	0.294449
2154	ENSG00000105204.14	1774.522	0.383878	0.180119	2.131253	0.033068	0.294639
2202	ENSG00000105520.10	4658.624	0.394498	0.18532	2.128742	0.033276	0.294918
7461	ENSG00000166145.14	9194.318	0.327838	0.153946	2.129564	0.033208	0.294918
2604	ENSG00000110047.18	4862.721	0.315363	0.14815	2.128677	0.033281	0.294918
8523	ENSG00000175329.13	5859.126	-0.33832	0.158906	-2.12906	0.03325	0.294918
7812	ENSG00000168610.15	2233.223	-0.34801	0.163419	-2.12958	0.033206	0.294918
1615	ENSG00000100354.21	1005.476	-0.36143	0.169657	-2.13034	0.033143	0.294918
7520	ENSG00000166478.10	302.591	-0.60155	0.282432	-2.12991	0.033179	0.294918
5661	ENSG00000144354.14	353.3962	0.53017	0.249199	2.127497	0.033379	0.295448
8420	ENSG00000174326.14	733.3295	0.428526	0.201496	2.126724	0.033443	0.295448
8237	ENSG00000172336.5	1242.212	0.350224	0.164668	2.126848	0.033433	0.295448
8960	ENSG00000181090.21	1971.24	-0.34172	0.160679	-2.12671	0.033445	0.295448
5478	ENSG00000142669.15	1613.944	0.375884	0.176809	2.125937	0.033508	0.295784
10269	ENSG00000205542.11	8846.386	0.390155	0.183618	2.124821	0.033602	0.296146
7285	ENSG00000164828.18	1351.702	-0.39671	0.186682	-2.12508	0.03358	0.296146
5850	ENSG00000146828.18	2505.596	0.434451	0.20466	2.122792	0.033771	0.296771
4461	ENSG00000132879.14	927.2478	0.405753	0.191102	2.123226	0.033735	0.296771
7770	ENSG00000168268.11	10063.32	0.34384	0.161935	2.123321	0.033727	0.296771
3136	ENSG00000116128.11	2090.793	-0.32999	0.155455	-2.12273	0.033777	0.296771
4501	ENSG00000133250.14	849.2592	0.439001	0.206915	2.121653	0.033867	0.297334
9399	ENSG00000185883.12	16241.7	0.343715	0.162183	2.119305	0.034065	0.29884
4008	ENSG00000127948.16	4829.356	0.330515	0.156138	2.116815	0.034276	0.300325

4437	ENSG00000132680.11	1442.742	-0.3424	0.161764	-2.11668	0.034287	0.300325
6223	ENSG00000152556.17	1788.016	-0.36279	0.171514	-2.11521	0.034412	0.301193
3823	ENSG00000125633.11	824.3178	-0.37834	0.178894	-2.11486	0.034442	0.301218
2234	ENSG00000105722.10	672.5216	0.428813	0.203018	2.11219	0.03467	0.302058
2373	ENSG00000107281.10	5496.991	0.390793	0.184973	2.112704	0.034626	0.302058
6918	ENSG00000162430.17	7115.19	0.360273	0.170512	2.112894	0.03461	0.302058
10569	ENSG00000227500.10	2632.192	0.359207	0.170046	2.112416	0.034651	0.302058
6040	ENSG00000149476.15	1887.39	0.358552	0.169668	2.113253	0.034579	0.302058
10466	ENSG00000216490.4	775.2956	0.44479	0.210627	2.111741	0.034709	0.302161
11035	ENSG00000261342.1	181.8236	0.678745	0.321625	2.110361	0.034827	0.302499
6792	ENSG00000160767.21	5569.665	0.408984	0.193763	2.11074	0.034795	0.302499
10480	ENSG00000220842.6	1808.639	0.398795	0.188979	2.110264	0.034836	0.302499
7595	ENSG00000167065.13	270.7054	-0.50417	0.238937	-2.11005	0.034854	0.302499
7078	ENSG00000163625.16	1421.85	-0.37471	0.177686	-2.10882	0.03496	0.30319
618	ENSG00000064309.14	798.524	-0.43552	0.206655	-2.10747	0.035077	0.303971
11347	ENSG00000284874.1	3606.746	0.426429	0.202459	2.106248	0.035183	0.304659
6804	ENSG00000160888.7	3178.305	0.31746	0.150772	2.105567	0.035242	0.304708
3243	ENSG00000117262.19	835.2769	-0.37518	0.178164	-2.10583	0.035219	0.304708
1270	ENSG00000088538.13	840.5486	-0.38516	0.182958	-2.1052	0.035274	0.304755
4054	ENSG00000128602.11	199.5691	0.572603	0.272128	2.104172	0.035363	0.305295
7659	ENSG00000167536.14	2606.649	0.351541	0.167248	2.101914	0.035561	0.306766
4732	ENSG00000135519.8	562.0467	0.53204	0.25319	2.10135	0.03561	0.306868
10292	ENSG00000205903.7	2232.53	0.397925	0.189383	2.101165	0.035626	0.306868
3684	ENSG00000123607.15	374.161	0.466754	0.222352	2.099169	0.035802	0.308146
11191	ENSG00000273117.1	288.0187	-0.55689	0.265464	-2.09781	0.035922	0.308944
2854	ENSG00000112902.12	823.0869	-0.37132	0.177069	-2.09702	0.035992	0.309311
6053	ENSG00000149599.15	548.4279	0.442344	0.21113	2.095126	0.03616	0.310288
4440	ENSG00000132716.19	2480.094	-0.34611	0.165181	-2.09533	0.036141	0.310288
4519	ENSG00000133597.11	3477.227	0.352143	0.168123	2.094554	0.036211	0.31049
1517	ENSG00000099904.16	1692.143	0.407262	0.194527	2.093599	0.036296	0.310751
9956	ENSG00000198208.12	957.8232	0.396089	0.189166	2.093869	0.036272	0.310751
3882	ENSG00000125967.17	2582.041	0.348156	0.166428	2.09193	0.036445	0.311793
2544	ENSG00000109113.20	418.86	0.456988	0.218589	2.090626	0.036562	0.312149
606	ENSG00000063587.15	461.9	-0.47382	0.226615	-2.09087	0.03654	0.312149
10894	ENSG00000253389.2	314.9071	-0.55294	0.264496	-2.09055	0.036569	0.312149
8244	ENSG00000172379.21	3684.129	-0.3463	0.165683	-2.09014	0.036605	0.312225
7753	ENSG00000168118.12	417.2087	0.453901	0.217271	2.089107	0.036698	0.312755
9033	ENSG00000182196.13	4649.62	0.320457	0.153444	2.08843	0.036759	0.312755
9861	ENSG00000197555.9	1950.021	-0.34046	0.16304	-2.08823	0.036777	0.312755
9373	ENSG00000185630.19	1330.499	-0.36912	0.176715	-2.08876	0.03673	0.312755
4727	ENSG00000135476.12	1423.979	-0.38852	0.186125	-2.08743	0.03685	0.313139
10518	ENSG00000224032.7	764.3471	0.434034	0.208099	2.085711	0.037005	0.314023
8271	ENSG00000172731.14	3893.955	0.315323	0.151186	2.085667	0.037009	0.314023
2177	ENSG00000105357.18	9333.278	0.367971	0.176548	2.084254	0.037137	0.314877
8685	ENSG00000177380.14	1705.636	0.442352	0.212368	2.082948	0.037256	0.31565
10968	ENSG00000257949.7	497.4017	0.418936	0.201358	2.080548	0.037475	0.317073
3938	ENSG00000126749.16	652.6716	0.398518	0.191579	2.080176	0.037509	0.317073
3714	ENSG00000124172.10	7128.82	0.371441	0.178564	2.080151	0.037512	0.317073
3175	ENSG00000116539.13	2462.415	-0.33493	0.161032	-2.07989	0.037535	0.317073
11213	ENSG00000274070.2	4450.442	0.391055	0.188071	2.079297	0.03759	0.317124
3895	ENSG00000126070.20	592.5273	-0.4046	0.194591	-2.07922	0.037597	0.317124
3562	ENSG00000121753.12	861.9359	0.412272	0.198556	2.076349	0.037862	0.318178

7609	ENSG00000167173.19	3841.784	0.365701	0.176048	2.077277	0.037776	0.318178
8273	ENSG00000172757.13	26099.47	0.314059	0.151206	2.077029	0.037799	0.318178
10909	ENSG00000254413.8	591.8426	-0.39557	0.190461	-2.0769	0.037811	0.318178
5690	ENSG00000144645.14	535.2001	-0.48395	0.233066	-2.07645	0.037852	0.318178
3734	ENSG00000124313.17	289.4788	0.570976	0.275299	2.074022	0.038077	0.319753
3858	ENSG00000125841.13	7177.65	0.348554	0.168142	2.072971	0.038175	0.320338
4234	ENSG00000130734.10	2133.113	0.455867	0.220095	2.071225	0.038338	0.321467
9710	ENSG00000196465.10	2667.128	0.328038	0.158431	2.070535	0.038402	0.321771
5732	ENSG00000145214.14	1303.24	0.423777	0.204756	2.06967	0.038483	0.321975
7114	ENSG00000163814.8	1491.999	-0.34643	0.167372	-2.06979	0.038472	0.321975
1687	ENSG00000100731.16	1117.379	-0.38053	0.184003	-2.06808	0.038633	0.322991
1627	ENSG00000100401.20	8244.246	0.371814	0.179856	2.067287	0.038707	0.323373
1354	ENSG00000090857.14	1561.558	-0.33888	0.164015	-2.06616	0.038814	0.324027
8115	ENSG00000171161.13	2067.845	0.3519	0.170441	2.064639	0.038957	0.324986
9742	ENSG00000196656.7	1696.021	0.344973	0.167111	2.064329	0.038987	0.324992
10921	ENSG00000254986.7	2116.967	0.317289	0.15385	2.062323	0.039177	0.325626
1472	ENSG00000097007.19	3174.093	-0.31243	0.151428	-2.06321	0.039093	0.325626
907	ENSG00000074657.14	368.7243	-0.45785	0.221988	-2.06248	0.039162	0.325626
3264	ENSG00000117472.10	2042.765	-0.45805	0.222039	-2.0629	0.039122	0.325626
4515	ENSG00000133460.19	505.9012	0.422336	0.204908	2.0611	0.039294	0.326357
3729	ENSG00000124243.17	240.8477	0.513042	0.248983	2.060555	0.039346	0.326551
8663	ENSG00000177105.10	1380.928	0.389601	0.189177	2.059449	0.039451	0.32719
4474	ENSG00000133027.18	1161.061	0.487645	0.236864	2.058761	0.039517	0.327259
10772	ENSG00000242802.9	1233.953	0.430391	0.209028	2.059013	0.039493	0.327259
3784	ENSG00000125122.15	248.5987	0.587114	0.285414	2.057061	0.03968	0.328134
4362	ENSG00000132005.9	1488.319	0.355213	0.172675	2.057115	0.039675	0.328134
10220	ENSG00000204673.11	5034.103	0.374984	0.182474	2.054995	0.03988	0.329541
6888	ENSG00000162144.10	2703.431	0.401675	0.195813	2.051315	0.040236	0.332248
3289	ENSG00000117640.18	1146.483	-0.3423	0.166929	-2.05056	0.040309	0.33261
10843	ENSG00000248275.2	305.9965	0.494202	0.24114	2.049436	0.04042	0.332758
4106	ENSG00000129250.12	2546.505	0.423115	0.206426	2.049722	0.040392	0.332758
3672	ENSG00000123444.14	713.6773	-0.37476	0.182882	-2.04918	0.040444	0.332758
11232	ENSG00000275131.3	555.4071	-0.44205	0.21566	-2.04976	0.040388	0.332758
8835	ENSG00000179178.11	1993.051	0.366074	0.178849	2.046828	0.040675	0.334174
11090	ENSG00000266338.6	889.0975	-0.39099	0.191005	-2.04702	0.040656	0.334174
2887	ENSG00000113387.12	2651.357	0.357502	0.174906	2.043974	0.040956	0.336242
9177	ENSG00000183723.13	2535.854	-0.32039	0.156805	-2.04323	0.041029	0.3366
5759	ENSG00000145494.12	1588.71	0.332634	0.162856	2.042508	0.041101	0.336947
10790	ENSG00000243789.11	189.5609	0.565333	0.27696	2.041209	0.04123	0.33729
1908	ENSG00000102871.16	326.7967	0.524551	0.257171	2.039698	0.04138	0.33729
341	ENSG00000032444.17	5539.99	0.427911	0.209716	2.040434	0.041307	0.33729
3258	ENSG00000117411.16	2629.574	0.378212	0.185322	2.040843	0.041266	0.33729
10476	ENSG00000219438.9	876.9646	0.367745	0.18034	2.039173	0.041433	0.33729
858	ENSG00000072506.13	3871.194	0.321093	0.157395	2.040053	0.041345	0.33729
6703	ENSG00000159842.15	2792.488	-0.33379	0.163605	-2.04022	0.041328	0.33729
1984	ENSG00000103356.18	560.0402	-0.39796	0.195168	-2.03909	0.041441	0.33729
1554	ENSG00000100104.13	700.7372	-0.40522	0.198685	-2.03952	0.041399	0.33729
9186	ENSG00000183778.17	417.1183	-0.47033	0.23069	-2.03881	0.041469	0.33729
6570	ENSG00000157978.12	1599.097	-0.48085	0.23568	-2.04027	0.041323	0.33729
1080	ENSG00000081026.19	348.9011	0.464474	0.227875	2.03828	0.041522	0.337332
895	ENSG00000074071.15	3610.933	0.310788	0.152484	2.038167	0.041533	0.337332
10470	ENSG00000217930.8	556.8709	0.416262	0.204272	2.037788	0.041571	0.337399

5814	ENSG00000146232.17	558.4284	0.389522	0.191391	2.035216	0.041829	0.338768
7874	ENSG00000169100.14	23003.97	0.291931	0.143423	2.035464	0.041804	0.338768
3520	ENSG00000120915.14	755.9054	-0.37491	0.18417	-2.03568	0.041783	0.338768
181	ENSG0000010361.14	1690.521	0.39383	0.193787	2.032281	0.042125	0.340487
6679	ENSG00000159433.12	743.0379	-0.36948	0.1818	-2.03234	0.042119	0.340487
7657	ENSG00000167528.13	487.4686	-0.45692	0.224835	-2.03222	0.042131	0.340487
1373	ENSG00000091262.15	701.2841	0.43736	0.215457	2.029916	0.042365	0.342136
8877	ENSG00000179889.19	6869.489	-0.31728	0.156493	-2.02742	0.042619	0.343943
6015	ENSG00000149187.18	2713.801	-0.31134	0.15359	-2.02712	0.04265	0.34395
11025	ENSG00000260852.1	163.6254	-0.67732	0.334255	-2.02634	0.04273	0.344346
10664	ENSG00000235590.7	173.4004	0.578525	0.285586	2.025744	0.042791	0.344364
9344	ENSG00000185386.15	1072.22	0.429663	0.212102	2.025732	0.042792	0.344364
2419	ENSG00000107872.12	2311.352	0.458111	0.22636	2.02381	0.04299	0.344539
10371	ENSG00000213722.9	552.1782	0.402244	0.198758	2.023795	0.042991	0.344539
5442	ENSG00000142156.15	1789.936	0.354187	0.174999	2.023937	0.042977	0.344539
319	ENSG0000027075.15	3155.4	-0.32014	0.158108	-2.02481	0.042887	0.344539
5724	ENSG00000145016.16	2584.291	-0.34246	0.169152	-2.02456	0.042912	0.344539
11134	ENSG00000269743.3	860.9066	-0.41409	0.204616	-2.02375	0.042996	0.344539
4083	ENSG00000128973.13	3256.77	0.352183	0.174073	2.023191	0.043053	0.344761
3571	ENSG00000121905.10	2595.618	0.313268	0.154973	2.021443	0.043234	0.345791
1192	ENSG00000085831.15	2244.865	-0.33219	0.164364	-2.02106	0.043273	0.345791
4678	ENSG00000135093.13	804.2742	-0.37398	0.185016	-2.02135	0.043243	0.345791
9773	ENSG00000196876.18	494.4111	-0.40614	0.201148	-2.01912	0.043475	0.347159
9073	ENSG00000182667.14	493.318	-0.42588	0.211174	-2.01673	0.043723	0.348897
1207	ENSG00000086200.17	317.6956	0.502331	0.249135	2.016297	0.043769	0.349017
11100	ENSG00000267221.3	161.7673	0.588883	0.292276	2.014818	0.043924	0.349207
8977	ENSG00000181444.13	209.2765	0.577542	0.286677	2.014605	0.043946	0.349207
9844	ENSG00000197363.9	265.9249	0.486559	0.241513	2.014632	0.043943	0.349207
6763	ENSG00000160410.15	2531.783	0.386443	0.191783	2.014998	0.043905	0.349207
7648	ENSG00000167487.12	882.1594	0.357797	0.177597	2.014653	0.043941	0.349207
6875	ENSG00000162032.16	1148.974	0.371484	0.184432	2.014206	0.043988	0.349296
11046	ENSG00000261740.6	221.935	0.526898	0.261836	2.012323	0.044186	0.349892
10629	ENSG00000233223.3	514.1523	0.464677	0.230898	2.01248	0.044169	0.349892
4417	ENSG00000132563.16	1556.064	0.356245	0.177029	2.012351	0.044183	0.349892
5249	ENSG00000140043.11	319.1287	-0.45527	0.226148	-2.01314	0.0441	0.349892
9067	ENSG00000182580.3	270.032	0.54165	0.269392	2.010638	0.044364	0.349988
2288	ENSG00000106268.15	209.2493	0.541482	0.269321	2.010545	0.044374	0.349988
11019	ENSG00000260630.7	742.4404	0.410597	0.204126	2.011486	0.044274	0.349988
584	ENSG00000061938.19	2451.818	0.405706	0.201798	2.010461	0.044382	0.349988
9296	ENSG00000185000.12	1596.566	0.37065	0.184228	2.011902	0.04423	0.349988
7395	ENSG00000165655.17	825.3708	0.358463	0.17829	2.010562	0.044372	0.349988
11067	ENSG00000263956.6	605.9201	-0.37815	0.18813	-2.01007	0.044424	0.35007
1584	ENSG00000100242.15	3198.003	0.370448	0.184367	2.009302	0.044505	0.35047
4916	ENSG00000136925.15	400.7726	-0.42979	0.213972	-2.00864	0.044575	0.350778
4158	ENSG00000130164.14	9915.52	-0.29322	0.146109	-2.00685	0.044765	0.352033
4309	ENSG00000131409.13	343.3993	0.556939	0.277775	2.004997	0.044963	0.352742
11319	ENSG00000281571.2	891.139	0.37692	0.188032	2.004556	0.045011	0.352742
4070	ENSG00000128833.13	620.9267	-0.3768	0.187942	-2.0049	0.044974	0.352742
1159	ENSG00000084674.15	839.8159	-0.40057	0.199817	-2.00468	0.044997	0.352742
7552	ENSG00000166780.11	659.9685	-0.40438	0.201703	-2.00483	0.044981	0.352742
5333	ENSG00000140961.14	226.6509	0.608934	0.30407	2.00261	0.045219	0.353575
5073	ENSG00000138182.14	742.9559	0.377512	0.188529	2.002408	0.045241	0.353575

8131	ENSG00000171298.13	7326.892	0.361623	0.180591	2.002448	0.045237	0.353575
1612	ENSG00000100348.10	2986.733	0.32512	0.162313	2.00304	0.045173	0.353575
2718	ENSG00000111641.12	985.0133	-0.35958	0.179624	-2.00183	0.045303	0.353817
9883	ENSG00000197747.9	1587.838	0.357371	0.178576	2.001234	0.045367	0.354076
6852	ENSG00000161677.12	253.456	0.619906	0.309879	2.00048	0.045448	0.354278
7293	ENSG00000164898.13	340.104	0.450516	0.225231	2.000242	0.045474	0.354278
2219	ENSG00000105647.19	7952.649	0.316533	0.158256	2.000128	0.045486	0.354278
2547	ENSG00000109171.15	826.558	-0.41753	0.208851	-1.99918	0.045589	0.354835
8454	ENSG00000174705.13	1173.47	-0.35521	0.177753	-1.99832	0.045682	0.355314
8333	ENSG00000173402.12	3972.268	-0.29853	0.149434	-1.99776	0.045743	0.355547
3923	ENSG00000126461.15	6218.847	0.373127	0.186855	1.996878	0.045838	0.355891
7190	ENSG00000164114.19	977.9983	0.355064	0.177819	1.996774	0.04585	0.355891
1598	ENSG00000100300.18	158.1038	0.632902	0.317209	1.995219	0.046019	0.356233
10965	ENSG00000257704.4	412.2185	0.541516	0.271383	1.995391	0.046	0.356233
8709	ENSG00000177628.16	6819.68	-0.28748	0.14405	-1.99568	0.045969	0.356233
718	ENSG00000067369.14	2193.402	-0.31086	0.155764	-1.99572	0.045964	0.356233
8722	ENSG00000177732.8	8675.469	0.333539	0.167302	1.993636	0.046192	0.357328
9254	ENSG00000184515.11	176.0393	0.631716	0.317011	1.992727	0.046291	0.357539
9863	ENSG00000197562.10	1848.714	0.380225	0.190771	1.993094	0.046251	0.357539
4372	ENSG00000132199.20	607.7118	-0.38069	0.191059	-1.99253	0.046313	0.357539
5209	ENSG00000139531.13	543.9833	-0.38417	0.192915	-1.99137	0.04644	0.358276
6821	ENSG00000161036.13	2223.586	0.387101	0.194601	1.989203	0.046679	0.35967
1571	ENSG00000100207.19	1878.598	-0.32707	0.164425	-1.98915	0.046684	0.35967
5462	ENSG00000142459.8	2345.147	0.373425	0.187833	1.988069	0.046804	0.360107
5189	ENSG00000139343.10	789.4564	0.367206	0.1847	1.988124	0.046798	0.360107
1041	ENSG00000079387.14	714.1498	-0.36057	0.181437	-1.98729	0.04689	0.360524
9690	ENSG00000196369.11	452.96	0.506641	0.255195	1.985311	0.04711	0.361895
2962	ENSG00000114391.13	5881.088	0.321759	0.162102	1.984922	0.047153	0.361895
9832	ENSG00000197296.6	1816.992	-0.31566	0.159035	-1.98483	0.047164	0.361895
3780	ENSG00000124920.14	4955.749	0.309885	0.156161	1.984394	0.047212	0.362021
8363	ENSG00000173660.12	2105.14	0.324638	0.163664	1.983561	0.047305	0.362431
3153	ENSG00000116237.16	4364.103	-0.30724	0.154908	-1.98335	0.047329	0.362431
10123	ENSG00000203618.6	1156.88	0.394186	0.198827	1.982557	0.047417	0.362861
9381	ENSG00000185722.18	2013.809	-0.33024	0.166797	-1.97989	0.047716	0.364907
682	ENSG00000066230.12	345.1161	-0.43756	0.221143	-1.97861	0.04786	0.365762
538	ENSG00000057663.16	520.9227	0.427927	0.21642	1.977298	0.048008	0.366198
625	ENSG00000064607.17	4772.803	-0.29657	0.149965	-1.9776	0.047974	0.366198
11133	ENSG00000269713.7	1458.169	-0.31813	0.160893	-1.97725	0.048014	0.366198
8309	ENSG00000173137.12	603.4649	0.455097	0.230301	1.976101	0.048143	0.366541
11262	ENSG00000277203.1	1233.449	0.348976	0.176619	1.975867	0.04817	0.366541
10691	ENSG00000237649.8	1706.086	-0.33259	0.168337	-1.97572	0.048186	0.366541
2046	ENSG00000104228.13	661.9795	-0.38969	0.197238	-1.97571	0.048188	0.366541
516	ENSG00000055118.16	11601.93	0.30771	0.15592	1.973511	0.048437	0.368195
7977	ENSG00000169964.8	541.1978	0.397116	0.201418	1.971606	0.048655	0.369241
2324	ENSG00000106608.17	1273.946	-0.33625	0.170559	-1.97145	0.048672	0.369241
7153	ENSG00000164002.11	248.963	-0.48298	0.24494	-1.97183	0.048629	0.369241
4209	ENSG00000130589.16	2675.49	0.343681	0.174459	1.969982	0.04884	0.37027
4238	ENSG00000130751.10	222.5698	0.634784	0.322432	1.968739	0.048983	0.371105
11071	ENSG00000264522.6	372.8809	-0.47411	0.240992	-1.96731	0.049147	0.372102
11064	ENSG00000263465.4	1126.859	0.340449	0.173174	1.96593	0.049307	0.37306
8052	ENSG00000170619.10	978.2248	0.369047	0.18776	1.965524	0.049354	0.373167
3839	ENSG00000125743.10	2204.284	0.342261	0.174216	1.96458	0.049463	0.373745

3074	ENSG00000115525.18	784.7741	-0.38312	0.195077	-1.96395	0.049536	0.374052
8379	ENSG00000173825.7	260.0347	0.481486	0.245392	1.962108	0.04975	0.374187
9418	ENSG00000186111.10	2316.499	0.337908	0.172218	1.962096	0.049751	0.374187
150	ENSG00000008323.15	1889.61	0.32523	0.165737	1.96233	0.049724	0.374187
33	ENSG00000004139.14	7620.663	0.301643	0.153638	1.963338	0.049607	0.374187
5876	ENSG00000147155.11	14679.19	0.288925	0.147194	1.962878	0.04966	0.374187
1411	ENSG00000092841.19	11204.75	0.283198	0.144292	1.96268	0.049683	0.374187
961	ENSG00000076351.13	2778.909	0.320654	0.163592	1.960086	0.049986	0.375701
8479	ENSG00000174939.11	1153.026	0.445018	0.227293	1.957901	0.050242	0.377236
8472	ENSG00000174871.11	8778.717	0.327721	0.167394	1.957777	0.050256	0.377236
6873	ENSG00000161999.13	2759.836	0.332488	0.169915	1.956793	0.050372	0.377619
4136	ENSG00000129757.14	3879.769	0.314166	0.160559	1.956704	0.050382	0.377619
455	ENSG00000049246.14	684.5777	-0.37543	0.191921	-1.95616	0.050446	0.377619
6325	ENSG00000154305.18	1233.716	0.362655	0.185406	1.956012	0.050464	0.377619
1303	ENSG000000089177.19	578.0775	-0.39088	0.199843	-1.95593	0.050473	0.377619
11172	ENSG00000272419.6	712.6092	-0.3844	0.196669	-1.95456	0.050635	0.378583
411	ENSG00000042753.12	3294.565	0.329447	0.168753	1.952244	0.050909	0.380382
3135	ENSG00000116127.19	501.1935	-0.40097	0.20565	-1.94978	0.051202	0.382319
2516	ENSG00000108830.10	193.9362	0.565258	0.289959	1.949443	0.051243	0.382372
5799	ENSG00000146021.15	334.8812	-0.44416	0.227875	-1.94915	0.051278	0.382385
10192	ENSG00000204410.16	650.3083	-0.4423	0.226996	-1.94847	0.051359	0.382737
1707	ENSG00000100890.16	317.9519	-0.46873	0.240603	-1.94815	0.051397	0.382768
1312	ENSG00000089351.14	2905.648	0.314605	0.161563	1.947251	0.051505	0.383157
6698	ENSG00000159761.15	256.6341	0.516956	0.265493	1.947156	0.051516	0.383157
10050	ENSG00000198786.2	156140.7	0.313032	0.160807	1.946629	0.051579	0.383376
8391	ENSG00000173915.16	1090.442	0.39035	0.200578	1.946127	0.051639	0.383574
9564	ENSG00000188322.7	3543.904	0.349394	0.179763	1.943636	0.051939	0.38555
7134	ENSG00000163913.12	814.9146	-0.39925	0.205453	-1.94325	0.051986	0.385645
9108	ENSG00000182983.15	236.6735	0.485153	0.249718	1.942808	0.052039	0.385697
6515	ENSG00000157193.18	637.4265	-0.37118	0.191072	-1.94263	0.052061	0.385697
10388	ENSG00000213977.8	970.9675	0.357016	0.183995	1.940357	0.052336	0.387309
6953	ENSG00000162736.17	4232.418	-0.28792	0.148391	-1.94027	0.052346	0.387309
1969	ENSG00000103249.18	6468.594	0.358249	0.184869	1.937851	0.052641	0.389099
10170	ENSG00000204304.12	1710.219	-0.31904	0.164645	-1.93773	0.052657	0.389099
2578	ENSG00000109685.18	6127.443	-0.29057	0.149996	-1.93718	0.052723	0.38934
2123	ENSG00000104936.19	1441.993	0.442813	0.228623	1.936874	0.052761	0.389362
4224	ENSG00000130707.18	184.5195	0.666466	0.344171	1.936437	0.052814	0.389505
8593	ENSG00000176225.14	487.6124	-0.42385	0.218937	-1.93593	0.052877	0.389714
7985	ENSG00000170004.17	4140.845	-0.34169	0.176532	-1.93555	0.052923	0.38975
5074	ENSG00000138185.20	298.1742	-0.49291	0.254693	-1.93532	0.052951	0.38975
216	ENSG00000012061.16	1082.553	0.357179	0.184584	1.935048	0.052984	0.38975
6477	ENSG00000156675.16	3378.094	-0.30228	0.156251	-1.93456	0.053045	0.389943
10825	ENSG00000246100.4	177.0139	-0.5827	0.301292	-1.93401	0.053112	0.390184
6872	ENSG00000161996.19	1879.496	0.347753	0.179875	1.9333	0.053199	0.390423
7570	ENSG00000166887.16	2106.621	-0.29982	0.155099	-1.93311	0.053223	0.390423
8287	ENSG00000172888.12	717.5715	-0.36847	0.190634	-1.93286	0.053253	0.390423
10520	ENSG00000224078.15	2620.903	-0.29558	0.15295	-1.93251	0.053297	0.390423
10098	ENSG00000198909.8	742.9439	-0.36276	0.187728	-1.93235	0.053316	0.390423
6150	ENSG00000151503.13	1929	-0.30273	0.156703	-1.93189	0.053373	0.390476
2507	ENSG00000108784.10	3877.152	0.328053	0.169822	1.93174	0.053392	0.390476
2431	ENSG00000107957.16	1665.437	-0.32997	0.171026	-1.92935	0.053688	0.392187
5325	ENSG00000140854.13	2066.28	0.318925	0.165307	1.929293	0.053695	0.392187

672	ENSG00000065923.10	759.6576	-0.42831	0.222047	-1.92893	0.053739	0.392261
2647	ENSG00000110700.7	5963.623	0.344073	0.178421	1.928427	0.053802	0.392469
7944	ENSG00000169714.17	3103.127	0.321749	0.166893	1.927877	0.05387	0.392716
9496	ENSG00000187240.16	188.596	0.524519	0.272146	1.927348	0.053936	0.392945
10588	ENSG00000229117.9	12867.68	0.284103	0.14745	1.926772	0.054008	0.39296
8762	ENSG00000178188.14	2654.674	0.323057	0.167671	1.926737	0.054012	0.39296
1608	ENSG00000100330.16	2047.011	-0.33965	0.176303	-1.9265	0.054042	0.39296
4284	ENSG00000131116.12	1591.696	0.358602	0.186357	1.924279	0.05432	0.394727
6007	ENSG00000149091.15	4010.109	0.329947	0.171497	1.923928	0.054364	0.394795
5809	ENSG00000146112.12	759.4731	0.353845	0.183995	1.923126	0.054464	0.395274
3345	ENSG00000118705.17	17896	-0.27121	0.141106	-1.92206	0.054598	0.395768
7254	ENSG00000164576.12	951.4626	0.336415	0.175031	1.922031	0.054602	0.395768
3086	ENSG00000115677.17	15620.45	-0.30415	0.158441	-1.91965	0.054902	0.397687
10189	ENSG00000204394.13	4887.88	0.297179	0.154863	1.918983	0.054986	0.398049
803	ENSG00000070610.14	3884.629	-0.29608	0.154335	-1.91841	0.055059	0.398318
9732	ENSG00000196586.16	1641.686	0.3148	0.164244	1.916658	0.055281	0.39946
2477	ENSG00000108509.21	2267.432	0.386649	0.201762	1.916364	0.055319	0.39946
8151	ENSG00000171456.20	3213.129	-0.3046	0.15895	-1.91634	0.055322	0.39946
430	ENSG00000047578.13	1090.461	-0.34964	0.182479	-1.91604	0.05536	0.399481
10071	ENSG00000198840.2	21889.72	0.285281	0.148967	1.915062	0.055485	0.400129
2239	ENSG00000105755.8	250.1153	0.493856	0.258001	1.914167	0.055599	0.400699
11178	ENSG00000272655.2	349.2964	-0.49097	0.256568	-1.91362	0.055669	0.400948
3924	ENSG00000126464.14	3923.986	0.386664	0.20209	1.913327	0.055706	0.400965
2188	ENSG00000105419.18	459.5355	0.480779	0.251345	1.912823	0.055771	0.401176
6768	ENSG00000160539.6	429.6332	0.415088	0.217128	1.911723	0.055912	0.401937
11248	ENSG00000276293.4	3134.004	-0.29132	0.152413	-1.91141	0.055952	0.40197
3530	ENSG00000121060.18	1606.466	-0.32113	0.168157	-1.90968	0.056174	0.403096
7420	ENSG00000165804.16	420.3825	0.398211	0.208531	1.909598	0.056185	0.403096
7791	ENSG00000168411.14	1107.216	-0.35036	0.183498	-1.90937	0.056215	0.403096
8401	ENSG00000174080.11	4395.345	0.306561	0.160583	1.90905	0.056256	0.403136
2696	ENSG00000111325.16	645.2973	0.432012	0.226453	1.907732	0.056426	0.404102
9586	ENSG00000188612.12	3212.404	0.32883	0.172458	1.906728	0.056556	0.404743
3982	ENSG00000127526.15	1934.815	-0.29613	0.155329	-1.90649	0.056587	0.404743
6024	ENSG00000149262.17	652.5471	-0.3546	0.186129	-1.90512	0.056765	0.405763
4889	ENSG00000136810.13	933.657	0.397695	0.208851	1.904202	0.056884	0.406149
8341	ENSG00000173465.8	450.97	0.446619	0.23455	1.904152	0.05689	0.406149
10919	ENSG00000254858.10	661.2707	0.365059	0.191771	1.903618	0.05696	0.406149
7421	ENSG00000165810.17	444.0678	-0.39072	0.205254	-1.90361	0.056961	0.406149
348	ENSG00000033178.13	823.5974	0.4053	0.212968	1.9031	0.057028	0.406366
10026	ENSG00000198712.1	177939.1	0.288711	0.151846	1.901345	0.057257	0.407745
2632	ENSG00000110400.11	9117.493	0.286827	0.150912	1.900622	0.057351	0.407938
4779	ENSG00000135912.11	1273.685	-0.32358	0.17025	-1.90059	0.057356	0.407938
6388	ENSG00000155265.11	434.6237	0.467166	0.246015	1.898932	0.057573	0.409231
8419	ENSG00000174306.21	2282.096	-0.37545	0.197761	-1.89851	0.057629	0.409372
8529	ENSG00000175390.14	6620.867	0.274596	0.144705	1.89762	0.057746	0.409718
2086	ENSG00000104679.11	1655.572	0.301752	0.159018	1.897592	0.05775	0.409718
90	ENSG00000006194.10	1297.733	-0.33271	0.175423	-1.8966	0.05788	0.410387
4521	ENSG00000133612.19	4773.059	0.332544	0.175365	1.896298	0.057921	0.410418
890	ENSG00000073849.15	1762.824	-0.33722	0.177883	-1.89574	0.057994	0.410684
9467	ENSG00000186815.13	2743.75	-0.32449	0.171195	-1.89544	0.058035	0.410716
4303	ENSG00000131374.14	1812.718	-0.31314	0.165235	-1.89513	0.058075	0.410742
7050	ENSG00000163497.3	799.2823	0.436833	0.230556	1.894695	0.058133	0.4109

10736	ENSG00000241258.7	796.2992	-0.35605	0.187994	-1.89394	0.058233	0.411176
6761	ENSG00000160404.18	1459.117	0.344005	0.181643	1.893856	0.058244	0.411176
5891	ENSG00000147403.17	13160.21	0.270408	0.142812	1.893462	0.058297	0.411216
1353	ENSG00000090776.6	1209.32	0.428869	0.226523	1.893269	0.058322	0.411216
4832	ENSG00000136270.14	2839.613	0.340347	0.179854	1.892357	0.058443	0.411744
5008	ENSG00000137713.16	769.8565	-0.39812	0.210403	-1.89216	0.058469	0.411744
2533	ENSG00000109062.12	18708.56	0.266476	0.140867	1.891681	0.058533	0.411941
7831	ENSG00000168785.8	2208.481	-0.30201	0.159831	-1.88953	0.058821	0.41371
6883	ENSG00000162076.13	801.6956	0.374917	0.198474	1.888993	0.058893	0.413958
7599	ENSG00000167088.11	1464.1	0.327786	0.173573	1.888464	0.058964	0.414201
289	ENSG00000022567.10	604.0196	-0.3883	0.205782	-1.88696	0.059166	0.415367
162	ENSG00000008988.10	7067.745	0.338601	0.179492	1.886444	0.059235	0.415442
7177	ENSG00000164077.14	926.6948	0.395757	0.209802	1.886335	0.05925	0.415442
10619	ENSG00000232434.2	1722.404	0.401907	0.213182	1.885276	0.059393	0.416056
888	ENSG00000073756.12	1499.427	-0.37876	0.200939	-1.88495	0.059437	0.416056
4256	ENSG00000130827.6	4373.181	0.303731	0.161141	1.884872	0.059447	0.416056
346	ENSG00000033100.16	4697.883	0.325914	0.172959	1.884336	0.05952	0.416308
8543	ENSG00000175581.14	614.9423	0.357231	0.189742	1.882719	0.059738	0.417284
10695	ENSG00000237945.7	314.6994	0.433148	0.23008	1.882597	0.059755	0.417284
2482	ENSG00000108528.14	2784.926	0.323416	0.171826	1.882226	0.059805	0.417284
3862	ENSG00000125846.15	606.4202	-0.35525	0.188738	-1.88222	0.059806	0.417284
8296	ENSG00000172943.20	1295.526	-0.3226	0.171632	-1.8796	0.060162	0.419515
9610	ENSG00000188917.15	426.0253	-0.38853	0.206881	-1.87805	0.060375	0.420726
8890	ENSG00000179978.11	199.1133	-0.50686	0.269924	-1.87779	0.06041	0.420726
1387	ENSG00000091947.10	2001.287	0.351481	0.187249	1.877074	0.060508	0.421152
2138	ENSG00000105063.19	12778.7	0.301938	0.160884	1.876749	0.060553	0.421204
10395	ENSG00000214029.5	246.4316	-0.51301	0.27339	-1.87647	0.060591	0.421214
8520	ENSG00000175309.15	517.8011	-0.4015	0.214081	-1.87544	0.060732	0.421936
8509	ENSG00000175213.3	747.4842	0.369854	0.197263	1.874924	0.060803	0.42201
11381	ENSG00000287281.1	336.0796	-0.41581	0.221791	-1.87477	0.060824	0.42201
2922	ENSG00000113758.13	7900.765	0.287492	0.153365	1.874558	0.060854	0.42201
850	ENSG00000072210.19	1606.434	-0.3009	0.16056	-1.87404	0.060924	0.422029
5511	ENSG00000143126.8	3069.681	0.31127	0.16613	1.87365	0.060979	0.422029
8730	ENSG00000177854.8	377.79	0.411546	0.219662	1.873541	0.060994	0.422029
1541	ENSG00000100036.13	402.0779	0.396031	0.21143	1.873109	0.061053	0.422029
7010	ENSG00000163161.14	1622.181	-0.32762	0.174911	-1.87306	0.06106	0.422029
7089	ENSG00000163682.17	4123.55	0.313845	0.167584	1.872758	0.061102	0.422029
2709	ENSG00000111540.16	3121.663	-0.28089	0.149998	-1.87266	0.061116	0.422029
9762	ENSG00000196782.12	751.2748	-0.34696	0.18531	-1.87233	0.061161	0.422086
3859	ENSG00000125843.11	1207.993	0.349035	0.18645	1.872006	0.061206	0.422138
9517	ENSG00000187634.12	799.0974	0.340597	0.181993	1.871481	0.061278	0.422384
9040	ENSG00000182240.16	348.6355	0.441065	0.235728	1.871079	0.061334	0.422416
8867	ENSG00000179632.10	3894.967	0.316209	0.169013	1.870912	0.061357	0.422416
1531	ENSG00000099995.19	5721.135	0.292232	0.156379	1.868749	0.061658	0.424228
9824	ENSG00000197217.13	1581.573	-0.33363	0.178623	-1.86782	0.061787	0.424775
242	ENSG00000013619.14	275.1945	-0.44795	0.239848	-1.86764	0.061812	0.424775
4713	ENSG00000135404.12	9590.161	0.284747	0.15257	1.866334	0.061995	0.425774
2179	ENSG00000105372.8	10079.34	0.269862	0.144657	1.865533	0.062107	0.426286
8788	ENSG00000178685.14	802.149	0.492578	0.264081	1.865255	0.062146	0.426297
9512	ENSG00000187607.16	321.1992	-0.43892	0.235387	-1.86468	0.062226	0.42659
10142	ENSG00000204084.13	400.2973	-0.44631	0.239449	-1.86391	0.062335	0.427078
7816	ENSG00000168653.11	1557.835	0.317184	0.170319	1.862299	0.062561	0.428371

5148	ENSG00000138771.16	1969.701	-0.33623	0.180673	-1.86097	0.062749	0.429397
251	ENSG00000014914.21	224.0946	-0.50184	0.269708	-1.86067	0.062791	0.429431
9198	ENSG00000183878.15	235.098	-0.47562	0.255827	-1.85916	0.063005	0.430447
3248	ENSG00000117318.9	1343.926	0.415358	0.223421	1.859084	0.063015	0.430447
8798	ENSG00000178802.18	1046.061	-0.31377	0.168818	-1.85865	0.063076	0.430607
1859	ENSG00000102119.11	1696.167	0.345794	0.186141	1.857704	0.063211	0.431267
11372	ENSG00000286190.2	4960.387	0.278842	0.150192	1.85657	0.063372	0.432109
237	ENSG00000013523.11	2442.47	-0.28329	0.152628	-1.85608	0.063443	0.43233
8374	ENSG00000173801.17	11808.34	0.295421	0.15926	1.854962	0.063602	0.433153
8387	ENSG00000173894.11	2088.598	0.300595	0.162174	1.85353	0.063806	0.434083
2110	ENSG00000104866.11	2532.794	0.324207	0.174919	1.853474	0.063814	0.434083
10153	ENSG00000204172.12	263.9533	-0.47715	0.257633	-1.85207	0.064016	0.435193
7093	ENSG00000163694.15	1905.276	-0.31112	0.168028	-1.8516	0.064083	0.435391
3382	ENSG00000119383.20	6811.648	0.323272	0.174616	1.851333	0.064122	0.435392
1123	ENSG00000083168.11	1600.477	-0.30207	0.16321	-1.8508	0.064199	0.435657
6687	ENSG00000159596.7	615.152	-0.34923	0.188784	-1.84989	0.06433	0.436229
5090	ENSG00000138382.15	612.9289	0.35271	0.190687	1.84968	0.06436	0.436229
11192	ENSG00000273136.7	193.8758	-0.50646	0.273875	-1.84923	0.064425	0.43628
1597	ENSG00000100299.18	2697.218	0.328742	0.177786	1.849087	0.064445	0.43628
1817	ENSG00000101665.9	273.1699	0.448808	0.242753	1.848831	0.064482	0.43628
4621	ENSG00000134590.14	2514.966	0.301502	0.16317	1.847786	0.064633	0.437043
4611	ENSG00000134452.20	798.9103	-0.33873	0.183428	-1.84666	0.064797	0.437295
1569	ENSG00000100201.22	9138.285	-0.28079	0.152053	-1.84665	0.064797	0.437295
10489	ENSG00000221890.5	2417.629	0.284797	0.15423	1.846574	0.064809	0.437295
9584	ENSG00000188603.21	3032.641	0.351985	0.190648	1.846261	0.064854	0.437295
2224	ENSG00000105669.14	5869.993	0.295671	0.160151	1.846204	0.064863	0.437295
3405	ENSG00000119599.17	179.9851	-0.51185	0.277486	-1.84459	0.065098	0.438621
686	ENSG00000066405.13	5956.545	-0.34887	0.189182	-1.84412	0.065166	0.438684
4242	ENSG00000130766.5	3697.805	0.288938	0.156692	1.843992	0.065184	0.438684
6762	ENSG00000160408.14	1149.061	0.342021	0.185549	1.84329	0.065287	0.4391
9881	ENSG00000197728.11	5253.532	0.269032	0.145977	1.842979	0.065332	0.4391
3148	ENSG00000116205.14	573.026	-0.3575	0.193999	-1.84278	0.065362	0.4391
8708	ENSG00000177614.11	1310.734	-0.30581	0.165996	-1.84227	0.065436	0.439339
6250	ENSG00000153006.16	918.6696	0.339251	0.18425	1.84125	0.065585	0.44008
8941	ENSG00000180901.11	1157.909	-0.30947	0.168199	-1.83988	0.065785	0.440959
3995	ENSG00000127774.7	998.2171	0.324596	0.176427	1.839829	0.065793	0.440959
2664	ENSG00000110906.13	1061	-0.31597	0.171788	-1.83928	0.065875	0.441243
4206	ENSG00000130559.19	1881.855	-0.33845	0.184082	-1.83858	0.065978	0.441444
1282	ENSG00000088881.21	1238.656	0.382752	0.208182	1.838545	0.065982	0.441444
11359	ENSG00000285437.1	2185.541	-0.31542	0.171742	-1.83657	0.066273	0.443062
3786	ENSG00000125149.12	630.9974	-0.34452	0.18762	-1.83627	0.066318	0.443062
6893	ENSG00000162227.8	1415.08	0.353204	0.192365	1.836115	0.066341	0.443062
1506	ENSG00000099814.16	4016.762	0.337709	0.18396	1.835776	0.066391	0.443137
5117	ENSG00000138614.15	963.8184	-0.34294	0.186875	-1.8351	0.06649	0.443318
2281	ENSG00000106236.4	5078.32	-0.34894	0.190153	-1.83507	0.066496	0.443318
4898	ENSG00000136830.12	2789.606	0.330763	0.180287	1.83464	0.066559	0.443367
472	ENSG00000050426.16	1354.47	-0.30393	0.165678	-1.83449	0.066581	0.443367
7819	ENSG00000168710.18	2902.43	-0.30264	0.165062	-1.83348	0.066731	0.443971
5184	ENSG00000139266.6	3174.141	0.3097	0.168949	1.8331	0.066788	0.443971
1084	ENSG00000081177.18	920.6946	-0.34931	0.190558	-1.83309	0.066789	0.443971
7850	ENSG00000168906.13	4176.424	-0.28721	0.156709	-1.83277	0.066837	0.444031
3188	ENSG00000116670.15	1484.132	0.307455	0.16779	1.832383	0.066894	0.444136

3546	ENSG00000121417.14	264.9165	-0.44473	0.242739	-1.83214	0.06693	0.444136
4600	ENSG00000134324.12	10976.6	-0.26438	0.144413	-1.8307	0.067145	0.445238
1515	ENSG00000099899.15	2794.781	0.322277	0.176059	1.830503	0.067175	0.445238
6029	ENSG00000149294.16	2238.077	-0.28993	0.158519	-1.82901	0.067398	0.445839
4104	ENSG00000129244.9	478.1396	0.420175	0.229748	1.828848	0.067422	0.445839
8704	ENSG00000177600.9	11590.37	0.284472	0.155559	1.828713	0.067443	0.445839
4415	ENSG00000132549.18	673.2792	-0.34019	0.186052	-1.82847	0.067479	0.445839
7553	ENSG00000166783.22	1301.456	-0.35359	0.193432	-1.82799	0.067551	0.445839
6198	ENSG00000152223.15	877.2573	-0.36729	0.200991	-1.82738	0.067643	0.445839
7350	ENSG00000165282.14	2686.45	0.278255	0.152274	1.827327	0.067651	0.445839
3100	ENSG00000115816.15	984.6811	0.328252	0.179643	1.827243	0.067663	0.445839
11117	ENSG00000268362.6	361.3594	-0.41291	0.226003	-1.82701	0.067699	0.445839
11250	ENSG00000276550.4	1811.196	-0.31495	0.172388	-1.82696	0.067705	0.445839
7961	ENSG00000169871.13	2465.623	0.413891	0.226565	1.826806	0.067729	0.445839
2181	ENSG00000105379.10	641.1526	0.393589	0.215457	1.826763	0.067735	0.445839
9304	ENSG00000185043.12	792.0428	0.348936	0.191084	1.826083	0.067838	0.446034
8649	ENSG00000176986.16	5358.136	-0.28109	0.15395	-1.82588	0.067869	0.446034
9548	ENSG00000188176.12	367.4562	0.444932	0.243694	1.825786	0.067882	0.446034
8497	ENSG00000175115.13	2705.385	0.321584	0.176299	1.824084	0.068139	0.447464
9021	ENSG00000182108.11	1362.477	0.3341	0.183203	1.823659	0.068204	0.447467
2255	ENSG00000105875.14	285.3958	-0.48183	0.264225	-1.82356	0.068218	0.447467
2616	ENSG00000110108.10	4331.358	0.33019	0.181162	1.82262	0.068361	0.448144
8914	ENSG00000180376.17	326.377	-0.4127	0.226551	-1.82164	0.068509	0.448351
2453	ENSG00000108262.16	6612.905	0.275735	0.151391	1.821339	0.068555	0.448351
7423	ENSG00000165819.12	789.3316	-0.33041	0.181424	-1.82121	0.068575	0.448351
10597	ENSG00000230453.9	247.8864	0.46107	0.253175	1.821156	0.068583	0.448351
8133	ENSG00000171303.7	1992.881	0.308607	0.16946	1.821115	0.068589	0.448351
2514	ENSG00000108828.16	9591.499	0.303177	0.166599	1.819804	0.068789	0.449397
1589	ENSG00000100266.19	1409.959	-0.30708	0.168776	-1.81942	0.068847	0.44943
9919	ENSG00000197978.9	351.6675	-0.40761	0.224059	-1.81922	0.068878	0.44943
5193	ENSG00000139364.10	2936.828	-0.29339	0.161295	-1.81899	0.068912	0.44943
10107	ENSG00000198925.12	6375.961	0.314117	0.172743	1.81841	0.069001	0.449754
3796	ENSG00000125356.7	470.696	0.380858	0.209522	1.817745	0.069103	0.450159
1821	ENSG00000101751.10	375.1415	-0.42497	0.233988	-1.8162	0.06934	0.451444
2187	ENSG00000105409.19	1939.723	0.310498	0.171015	1.815621	0.069429	0.451586
1626	ENSG00000100399.16	167.6532	0.554536	0.305439	1.815538	0.069441	0.451586
8059	ENSG00000170638.9	1395.639	0.319766	0.176169	1.815108	0.069507	0.451758
9364	ENSG00000185559.16	1031.645	0.326152	0.179739	1.814586	0.069587	0.452021
1732	ENSG00000101057.16	2799.015	0.315293	0.173867	1.81341	0.069769	0.452783
7590	ENSG00000166987.15	5395.995	0.322805	0.17802	1.813308	0.069784	0.452783
8258	ENSG00000172531.15	6898.916	0.279313	0.154117	1.812347	0.069933	0.453487
9083	ENSG00000182774.13	7480.573	0.289091	0.159619	1.811136	0.07012	0.454178
5383	ENSG00000141499.17	1278.722	0.334462	0.184697	1.810865	0.070162	0.454178
6745	ENSG00000160282.14	169.1426	0.533112	0.294417	1.810741	0.070181	0.454178
1296	ENSG00000089060.11	535.1498	0.371696	0.205286	1.810626	0.070199	0.454178
9758	ENSG00000196756.13	692.9738	0.355319	0.196418	1.808994	0.070452	0.455227
1585	ENSG00000100243.21	6665.952	0.283506	0.156725	1.808946	0.070459	0.455227
2838	ENSG00000112699.11	465.9602	0.363827	0.201142	1.808808	0.070481	0.455227
6605	ENSG00000158470.5	3220.44	-0.28772	0.159096	-1.80845	0.070537	0.455329
8689	ENSG00000177425.11	682.0776	0.367907	0.203525	1.807676	0.070657	0.455847
7913	ENSG00000169418.10	350.8293	0.431564	0.23879	1.807299	0.070716	0.455968
5200	ENSG00000139436.21	739.2164	-0.34117	0.188852	-1.80654	0.070834	0.456295

7890	ENSG00000169213.7	7910.762	-0.26351	0.145869	-1.80646	0.070846	0.456295
2172	ENSG00000105325.14	2525.273	0.317444	0.17579	1.805819	0.070947	0.456681
1281	ENSG00000088876.13	406.0766	-0.38004	0.210499	-1.80542	0.071009	0.456824
5131	ENSG00000138674.17	3188.595	-0.2728	0.151178	-1.80449	0.071155	0.457255
4308	ENSG00000131408.15	789.0557	0.346721	0.192145	1.80448	0.071156	0.457255
11241	ENSG00000275964.1	314.213	0.446068	0.24726	1.804047	0.071224	0.457374
8381	ENSG00000173846.13	279.3624	0.434114	0.24066	1.803849	0.071255	0.457374
1422	ENSG00000093100.13	241.5821	0.519873	0.28857	1.80155	0.071616	0.459433
3180	ENSG00000116584.20	665.0585	-0.33578	0.186447	-1.80092	0.071715	0.45956
9562	ENSG00000188315.8	198.41	-0.51663	0.286911	-1.80068	0.071754	0.45956
4739	ENSG00000135587.9	751.9872	0.382668	0.212516	1.800657	0.071757	0.45956
7273	ENSG00000164713.10	4115.225	0.304634	0.169211	1.800322	0.07181	0.459639
63	ENSG00000005206.17	3411.144	0.294469	0.163715	1.79867	0.072071	0.460963
9858	ENSG00000197530.12	2405.51	0.340365	0.189259	1.798408	0.072112	0.460963
10763	ENSG00000242265.5	8272.095	0.40257	0.223868	1.798244	0.072138	0.460963
10289	ENSG00000205795.4	234.4824	0.450867	0.250792	1.79777	0.072213	0.460963
10460	ENSG00000215845.11	1213.652	0.326276	0.181493	1.797735	0.072219	0.460963
4581	ENSG00000134243.12	4281.602	-0.28198	0.156921	-1.79698	0.072339	0.461031
9325	ENSG00000185220.12	214.3498	-0.46416	0.258349	-1.79663	0.072394	0.461031
96	ENSG00000006432.15	1793.591	-0.31774	0.176857	-1.79659	0.0724	0.461031
1967	ENSG00000103245.14	1489.032	0.326272	0.181659	1.796071	0.072483	0.461031
598	ENSG00000063169.11	1092.639	0.420737	0.234256	1.796059	0.072485	0.461031
10446	ENSG00000215252.11	1570.696	-0.307	0.170929	-1.79604	0.072488	0.461031
994	ENSG00000077463.15	1178.498	0.366232	0.203938	1.795801	0.072526	0.461031
6878	ENSG00000162065.14	3208.864	0.280461	0.156246	1.795002	0.072653	0.461031
2370	ENSG00000107249.23	1933.909	-0.32641	0.181848	-1.79494	0.072663	0.461031
7538	ENSG00000166589.13	3579.197	0.30169	0.1681	1.794707	0.0727	0.461031
10477	ENSG00000219481.10	1887.284	-0.28346	0.157946	-1.79464	0.072711	0.461031
6999	ENSG00000163082.10	767.2291	-0.33901	0.188906	-1.79461	0.072716	0.461031
4278	ENSG00000131067.17	3476.834	0.300641	0.167627	1.793516	0.072891	0.461408
1513	ENSG00000099875.14	2309.506	0.286823	0.159928	1.793452	0.072901	0.461408
4160	ENSG00000130175.9	19286.68	0.278213	0.155132	1.793393	0.07291	0.461408
5564	ENSG00000143442.22	2641.208	-0.27756	0.154784	-1.79322	0.072937	0.461408
6372	ENSG00000155034.19	900.8195	0.381204	0.212632	1.792786	0.073007	0.461595
8676	ENSG00000177225.17	2832.928	0.342939	0.191338	1.792317	0.073082	0.461813
6034	ENSG00000149328.15	1887.642	0.285577	0.159451	1.790996	0.073294	0.462894
7665	ENSG00000167566.17	1716.102	0.365028	0.203854	1.790633	0.073352	0.463006
2599	ENSG00000110002.16	899.4642	-0.32158	0.179837	-1.78817	0.073748	0.464473
8061	ENSG00000170667.15	10699.54	0.289101	0.161683	1.788069	0.073765	0.464473
1094	ENSG00000081791.9	1385.732	-0.30553	0.170893	-1.78787	0.073797	0.464473
5240	ENSG00000139910.20	519.9421	0.372722	0.208519	1.787474	0.073861	0.464473
9705	ENSG00000196453.8	811.219	0.342879	0.191854	1.787186	0.073907	0.464473
10030	ENSG00000198720.13	2554.316	0.317723	0.177782	1.787146	0.073914	0.464473
11246	ENSG00000276234.5	594.7125	-0.34547	0.193333	-1.78694	0.073948	0.464473
1681	ENSG00000100664.11	4080.285	0.337615	0.188936	1.786926	0.073949	0.464473
4218	ENSG00000130684.14	615.7524	-0.36044	0.20173	-1.78673	0.073981	0.464473
5344	ENSG00000141013.17	1245.636	-0.29636	0.165876	-1.78666	0.073993	0.464473
6328	ENSG00000154319.16	4070.227	-0.27286	0.152754	-1.78628	0.074054	0.464603
8916	ENSG00000180398.13	2042.257	-0.28128	0.157508	-1.78581	0.074131	0.464826
2691	ENSG00000111271.15	1041.502	-0.31682	0.17748	-1.78508	0.074249	0.465311
8524	ENSG00000175334.8	3586.229	0.270426	0.151521	1.784737	0.074304	0.465401
9495	ENSG00000187239.17	595.1312	-0.38205	0.21411	-1.78436	0.074365	0.465446

5011	ENSG00000137726.17	7237.215	0.260085	0.145776	1.784138	0.074401	0.465446
9359	ENSG00000185513.17	648.5876	-0.34666	0.194322	-1.78394	0.074434	0.465446
9905	ENSG00000197905.9	189.2781	0.506458	0.283946	1.783643	0.074482	0.46549
8637	ENSG00000176871.9	1726.284	-0.3083	0.173	-1.78209	0.074735	0.466383
8701	ENSG00000177570.14	235.1227	-0.50751	0.284796	-1.78203	0.074745	0.466383
9891	ENSG00000197785.14	3203.116	0.309025	0.173445	1.781692	0.074799	0.466383
10654	ENSG00000235092.6	247.8769	-0.54908	0.308219	-1.78144	0.07484	0.466383
7719	ENSG00000167964.13	2574.143	0.310423	0.174267	1.781309	0.074862	0.466383
9753	ENSG00000196712.18	1800.946	-0.28109	0.157803	-1.78126	0.07487	0.466383
8554	ENSG00000175727.14	3155.362	0.304708	0.171172	1.780126	0.075055	0.46728
4557	ENSG00000134013.16	2047.363	-0.39567	0.222346	-1.77952	0.075154	0.46764
7866	ENSG00000169032.10	1511.12	-0.29061	0.163475	-1.77773	0.075448	0.469214
1384	ENSG00000091704.10	756.8676	0.342173	0.192519	1.777348	0.075511	0.469347
7999	ENSG00000170144.20	9529.532	0.278631	0.156813	1.776829	0.075596	0.469621
1741	ENSG00000101138.12	1149.113	-0.30685	0.172794	-1.77582	0.075762	0.470393
7240	ENSG00000164403.14	1994.579	0.313114	0.176352	1.775511	0.075814	0.470458
3592	ENSG00000122359.18	1014.873	0.35937	0.202472	1.774913	0.075912	0.470813
9080	ENSG00000182749.6	930.9401	0.379568	0.213999	1.773692	0.076114	0.471563
4880	ENSG00000136731.13	2011.11	-0.29966	0.16902	-1.77291	0.076244	0.471563
1551	ENSG00000100092.24	1037.364	0.319244	0.180109	1.772506	0.076311	0.471563
1919	ENSG00000102910.14	1816.559	-0.30832	0.173969	-1.77229	0.076346	0.471563
8885	ENSG00000179943.8	1437.188	0.333547	0.188207	1.772231	0.076356	0.471563
10820	ENSG00000245849.8	168.2746	-0.49807	0.281047	-1.77221	0.07636	0.471563
9815	ENSG00000197136.4	4966.88	0.364172	0.205492	1.772196	0.076362	0.471563
247	ENSG00000014164.7	1507.952	0.310294	0.175106	1.772028	0.07639	0.471563
3244	ENSG00000117280.13	1307.595	-0.29724	0.167749	-1.77193	0.076406	0.471563
2480	ENSG00000108518.8	13075.7	0.280524	0.158371	1.771313	0.076509	0.471941
2459	ENSG00000108349.17	3898.414	-0.27061	0.15281	-1.7709	0.076577	0.472109
10188	ENSG00000204392.11	1169.165	0.311949	0.176241	1.770016	0.076724	0.472591
1966	ENSG00000103227.19	427.8906	0.417975	0.236153	1.769932	0.076738	0.472591
5304	ENSG00000140563.15	533.2264	-0.43631	0.246605	-1.76926	0.076851	0.472921
6119	ENSG00000151148.14	1483.403	-0.28983	0.163825	-1.76911	0.076875	0.472921
6715	ENSG00000160072.20	2023.199	0.338884	0.191591	1.768792	0.076929	0.472994
4190	ENSG00000130402.12	9354.23	-0.268	0.151538	-1.76854	0.07697	0.472994
5552	ENSG00000143379.12	1654.275	-0.28254	0.159794	-1.76814	0.077038	0.473157
7253	ENSG00000164574.16	755.7614	-0.342	0.193536	-1.76713	0.077206	0.473825
8290	ENSG00000172893.16	27622.1	0.281385	0.159259	1.766841	0.077255	0.473825
11259	ENSG00000277150.2	989.747	0.339755	0.192308	1.766719	0.077275	0.473825
104	ENSG00000006607.14	1935.207	-0.30035	0.170025	-1.76649	0.077313	0.473825
8248	ENSG00000172432.19	1479.128	-0.30249	0.171356	-1.76525	0.077521	0.474234
10632	ENSG00000233297.4	433.1232	0.380148	0.21543	1.764603	0.07763	0.474234
8464	ENSG00000174791.11	253.1581	0.478512	0.271181	1.764545	0.07764	0.474234
10895	ENSG00000253686.2	271.9667	-0.42862	0.242951	-1.76423	0.077693	0.474234
8349	ENSG00000173540.13	3194.345	0.302124	0.171255	1.764182	0.077701	0.474234
831	ENSG00000071553.17	21310.38	0.288624	0.163612	1.764071	0.07772	0.474234
5282	ENSG00000140400.17	1781.601	0.289467	0.164092	1.764047	0.077724	0.474234
7655	ENSG00000167524.16	201.7209	-0.5382	0.305151	-1.76372	0.077779	0.474234
4202	ENSG00000130529.16	287.2147	0.43006	0.24384	1.763697	0.077783	0.474234
8499	ENSG00000175137.11	1940.959	0.310637	0.176136	1.763617	0.077796	0.474234
7398	ENSG00000165669.14	196.7832	0.47812	0.271201	1.762976	0.077905	0.474638
8015	ENSG00000170296.10	8523.248	0.262665	0.149063	1.762114	0.07805	0.474904
7792	ENSG00000168434.13	443.3366	-0.39321	0.223152	-1.76207	0.078058	0.474904

10992	ENSG00000259529.2	230.3138	-0.46535	0.264124	-1.76187	0.078091	0.474904
8727	ENSG00000177830.18	3623.322	0.29036	0.164815	1.761729	0.078115	0.474904
6333	ENSG00000154370.16	1249.431	0.360284	0.204668	1.760337	0.078351	0.476083
7581	ENSG00000166925.9	2087.374	0.309716	0.17604	1.759347	0.078519	0.476116
1778	ENSG00000101350.8	4053.038	-0.25927	0.147385	-1.75914	0.078553	0.476116
7512	ENSG00000166441.13	9380.285	0.259043	0.147287	1.758763	0.078618	0.476116
1677	ENSG00000100632.11	1429.612	0.307872	0.175053	1.758739	0.078622	0.476116
9549	ENSG00000188177.14	309.8617	0.407781	0.231869	1.758672	0.078633	0.476116
6784	ENSG00000160712.13	1584.318	-0.33805	0.192261	-1.75827	0.078702	0.476116
2054	ENSG00000104332.12	1277.854	-0.31242	0.177689	-1.75822	0.078711	0.476116
9801	ENSG00000197056.11	196.0309	-0.46407	0.263947	-1.7582	0.078713	0.476116
5273	ENSG00000140365.16	2728.665	0.328303	0.186739	1.758089	0.078732	0.476116
9616	ENSG00000188997.8	407.5286	-0.37363	0.212926	-1.75476	0.079301	0.478336
7126	ENSG00000163877.11	342.551	-0.42599	0.242764	-1.75475	0.079302	0.478336
9676	ENSG00000196295.12	310.8383	-0.40862	0.232894	-1.75453	0.07934	0.478336
4791	ENSG00000135956.9	1728.496	-0.27978	0.159465	-1.75451	0.079343	0.478336
8259	ENSG00000172534.14	8853.621	0.319008	0.181846	1.754276	0.079383	0.478336
19	ENSG00000002822.15	562.6808	0.476139	0.271419	1.754262	0.079386	0.478336
5966	ENSG00000148358.19	2619.201	-0.29276	0.166889	-1.75422	0.079394	0.478336
5672	ENSG00000144468.17	425.9147	-0.39124	0.223141	-1.75332	0.079547	0.479006
2238	ENSG00000105738.11	4645.54	-0.27129	0.154755	-1.753	0.079602	0.479086
3702	ENSG00000124006.15	6564.529	0.297728	0.16988	1.752575	0.079675	0.47927
2209	ENSG00000105583.11	2605.294	0.29495	0.168586	1.749559	0.080194	0.481937
2164	ENSG00000105270.15	3460.942	0.32362	0.185018	1.749127	0.080269	0.481937
2207	ENSG00000105568.18	10389.98	0.266842	0.152562	1.74908	0.080277	0.481937
1787	ENSG00000101413.12	1548.744	-0.27927	0.15967	-1.74902	0.080288	0.481937
110	ENSG00000006704.10	861.8868	0.345524	0.197603	1.748572	0.080365	0.48211
10221	ENSG00000204681.11	728.164	-0.33034	0.188947	-1.74834	0.080405	0.48211
9531	ENSG00000187840.5	3647.816	0.29121	0.166585	1.748119	0.080443	0.48211
3756	ENSG00000124587.14	1378.153	0.303178	0.173475	1.747671	0.080521	0.482321
4822	ENSG00000136193.17	4307.321	-0.31717	0.181559	-1.7469	0.080655	0.482669
8766	ENSG00000178234.13	1327.539	-0.29212	0.167229	-1.74685	0.080664	0.482669
10892	ENSG00000253352.9	4489.422	-0.26475	0.151607	-1.74628	0.080762	0.482947
4118	ENSG00000129472.15	447.971	-0.36515	0.209128	-1.74605	0.080802	0.482947
622	ENSG00000064490.14	1425.871	0.35545	0.203598	1.745847	0.080837	0.482947
6590	ENSG00000158246.8	1429.41	0.346278	0.198511	1.744376	0.081094	0.484182
11361	ENSG00000285628.1	566.319	0.428638	0.245754	1.744171	0.081129	0.484182
2535	ENSG00000109066.14	3094.168	0.310139	0.177853	1.743799	0.081194	0.484315
7747	ENSG00000168078.10	604.5812	0.362772	0.208085	1.743382	0.081267	0.484496
2933	ENSG00000113971.20	252.1805	-0.4612	0.26471	-1.74228	0.081459	0.485389
8514	ENSG00000175224.16	2600.588	-0.26674	0.153164	-1.7415	0.081596	0.485947
923	ENSG00000075218.19	951.4694	-0.31795	0.182638	-1.74087	0.081707	0.486353
10510	ENSG00000223745.8	232.7921	-0.45037	0.258803	-1.74021	0.081822	0.486658
7717	ENSG00000167930.17	7470.334	0.259411	0.149084	1.740025	0.081855	0.486658
5351	ENSG00000141076.18	1194.287	-0.29092	0.167224	-1.73968	0.081916	0.486658
10620	ENSG00000232442.1	546.6063	0.351837	0.202322	1.738999	0.082035	0.486658
3222	ENSG00000116984.14	641.3779	-0.33281	0.191384	-1.73896	0.082042	0.486658
4680	ENSG00000135100.18	3246.182	0.269253	0.154842	1.73889	0.082054	0.486658
113	ENSG00000006740.17	539.5285	-0.34817	0.200229	-1.73887	0.082057	0.486658
6749	ENSG00000160294.11	2502.647	-0.31454	0.180985	-1.73794	0.082221	0.487377
4233	ENSG00000130733.11	3373.307	0.317542	0.182814	1.736963	0.082394	0.488146
10032	ENSG00000198722.14	4804.576	-0.28928	0.166701	-1.73532	0.082683	0.489337

8588	ENSG00000176155.19	734.7321	0.372516	0.214678	1.735232	0.0827	0.489337
5352	ENSG00000141084.11	914.8853	-0.32564	0.187718	-1.73475	0.082785	0.489337
1473	ENSG00000097021.19	1628.558	0.306596	0.17676	1.734536	0.082823	0.489337
7451	ENSG00000166086.13	1147.358	-0.29521	0.170203	-1.73446	0.082836	0.489337
360	ENSG00000035403.18	2495.403	-0.29184	0.168297	-1.73405	0.08291	0.489337
1124	ENSG00000083223.18	281.6859	-0.44498	0.256672	-1.73365	0.08298	0.489337
9319	ENSG00000185163.10	1195.087	0.341145	0.196792	1.733528	0.083002	0.489337
7834	ENSG00000168802.14	3680.808	0.279457	0.161215	1.733443	0.083017	0.489337
6521	ENSG00000157259.8	1607.116	-0.27476	0.15851	-1.7334	0.083024	0.489337
5621	ENSG00000143850.16	4967.307	-0.25108	0.144923	-1.73252	0.083181	0.490007
5756	ENSG00000145425.10	12352.76	0.302374	0.174704	1.730786	0.08349	0.491572
2456	ENSG00000108309.14	4708.465	0.271491	0.156938	1.729922	0.083644	0.491593
10583	ENSG00000228696.10	436.6354	-0.38431	0.222178	-1.72974	0.083677	0.491593
2212	ENSG00000105613.10	1261.439	0.339322	0.196183	1.729618	0.083699	0.491593
10087	ENSG00000198886.2	352463.2	0.267689	0.154789	1.729378	0.083741	0.491593
4679	ENSG00000135097.7	2906.373	0.301095	0.174108	1.729359	0.083745	0.491593
9302	ENSG00000185024.17	1768.12	0.303205	0.175333	1.729316	0.083753	0.491593
10479	ENSG00000220323.4	292.3461	-0.44935	0.259955	-1.72857	0.083887	0.49175
11075	ENSG00000265018.6	399.5677	-0.39231	0.226965	-1.72852	0.083896	0.49175
1776	ENSG00000101346.14	3547.863	-0.27414	0.158604	-1.72844	0.083909	0.49175
8503	ENSG00000175182.15	829.112	0.346657	0.2006	1.728102	0.08397	0.491855
4454	ENSG00000132824.14	2827.933	-0.28142	0.162905	-1.72754	0.084072	0.492049
10465	ENSG00000215915.10	767.5524	0.315108	0.182414	1.727435	0.08409	0.492049
6255	ENSG00000153048.11	4639.412	0.253193	0.146599	1.727112	0.084148	0.492136
2364	ENSG00000107140.16	4348.551	0.284459	0.164801	1.726076	0.084334	0.492788
8945	ENSG00000180921.7	3722.241	0.349976	0.202806	1.725667	0.084407	0.492788
1055	ENSG00000079974.17	587.0443	-0.33943	0.19671	-1.72555	0.084429	0.492788
9588	ENSG00000188636.4	4373.468	-0.25417	0.147333	-1.72512	0.084506	0.492788
7781	ENSG00000168301.13	225.2916	0.576725	0.334348	1.724925	0.084541	0.492788
525	ENSG00000055732.13	1585.894	-0.29313	0.169948	-1.72483	0.084559	0.492788
8857	ENSG00000179454.14	202.1466	0.471811	0.273544	1.724808	0.084562	0.492788
3813	ENSG00000125503.13	3182.593	0.325067	0.188537	1.724155	0.08468	0.493137
1040	ENSG00000079385.22	1048.158	-0.34536	0.200324	-1.724	0.084708	0.493137
5416	ENSG00000141696.13	1874.032	0.270408	0.156893	1.723515	0.084796	0.493391
5056	ENSG00000138073.14	4558.029	0.280108	0.162579	1.722908	0.084905	0.493443
6860	ENSG00000161847.14	5933.548	0.303168	0.175978	1.722762	0.084931	0.493443
3956	ENSG00000126903.16	522.4994	0.363304	0.210886	1.722746	0.084934	0.493443
1764	ENSG00000101246.20	2090.896	0.334854	0.194481	1.721783	0.085109	0.494204
6949	ENSG00000162714.12	645.3706	0.378095	0.219729	1.720738	0.085298	0.494985
8483	ENSG00000174989.13	980.2168	-0.29901	0.173884	-1.7196	0.085505	0.494985
7212	ENSG00000164219.10	462.5784	0.478914	0.278514	1.719531	0.085518	0.494985
7876	ENSG00000169116.11	2919.056	-0.27676	0.160984	-1.71919	0.085581	0.494985
6628	ENSG00000158796.17	1221.948	-0.28803	0.167549	-1.71906	0.085603	0.494985
652	ENSG00000065457.10	526.1797	-0.38384	0.223292	-1.719	0.085613	0.494985
93	ENSG00000006283.18	275.0204	0.407252	0.236933	1.718852	0.085641	0.494985
4223	ENSG00000130706.13	4869.54	0.282592	0.164428	1.71864	0.08568	0.494985
4188	ENSG00000130382.9	4982.12	0.280129	0.163009	1.718489	0.085707	0.494985
8337	ENSG00000173442.13	2319.857	0.352178	0.204936	1.718479	0.085709	0.494985
8549	ENSG00000175634.15	2539.059	0.295167	0.171767	1.718412	0.085721	0.494985
8912	ENSG00000180357.9	1950.763	-0.2867	0.166898	-1.7178	0.085833	0.495363
2667	ENSG00000110921.14	11575.54	0.273119	0.159014	1.717576	0.085874	0.495363
1945	ENSG00000103089.9	781.6516	0.306293	0.178416	1.716739	0.086027	0.495483

9263	ENSG00000184640.19	10997.13	0.246738	0.143755	1.716374	0.086094	0.495483
4165	ENSG00000130222.11	1061.601	0.327434	0.190773	1.716355	0.086097	0.495483
8048	ENSG00000170584.11	747.6844	0.336649	0.196142	1.71635	0.086098	0.495483
6746	ENSG00000160284.15	1396.515	0.302127	0.176037	1.716272	0.086112	0.495483
4712	ENSG00000135392.17	961.093	-0.29906	0.174279	-1.716	0.086162	0.495519
2388	ENSG00000107551.21	920.0443	-0.32982	0.192319	-1.71498	0.086349	0.496142
7703	ENSG00000167792.13	4198.714	0.278354	0.162312	1.714933	0.086358	0.496142
9605	ENSG00000188833.10	278.7412	0.421203	0.245708	1.714239	0.086485	0.496622
10122	ENSG00000203485.14	699.3089	0.368821	0.215181	1.714002	0.086528	0.496622
1943	ENSG00000103066.13	1728.687	0.338111	0.197348	1.713274	0.086662	0.497122
3181	ENSG00000116586.12	1050.662	0.290466	0.16956	1.713053	0.086703	0.497122
3357	ENSG00000118946.12	393.4812	0.448019	0.261627	1.71243	0.086817	0.497529
6826	ENSG00000161133.16	219.5341	-0.45597	0.266411	-1.71151	0.086986	0.498047
1465	ENSG00000096433.11	8119.276	-0.24395	0.142536	-1.71147	0.086995	0.498047
10194	ENSG00000204435.14	3595.7	0.276563	0.161654	1.710837	0.087111	0.49846
1737	ENSG00000101104.13	1953.251	-0.3214	0.187928	-1.71021	0.087228	0.498875
10541	ENSG00000225630.1	478.9994	0.361652	0.21156	1.709454	0.087367	0.499421
8828	ENSG00000179104.9	583.9106	-0.32522	0.190412	-1.70796	0.087644	0.500753
628	ENSG00000064687.13	1968.227	0.379839	0.222443	1.707579	0.087715	0.500905
6562	ENSG00000157873.17	646.1055	0.376636	0.220598	1.707338	0.087759	0.500909
6387	ENSG00000155256.17	2037.746	0.320407	0.187699	1.707028	0.087817	0.500987
2149	ENSG00000105185.12	1457.579	0.28357	0.166179	1.706412	0.087931	0.501376
8922	ENSG00000180543.5	1564.807	-0.27361	0.160361	-1.70619	0.087973	0.501376
9601	ENSG00000188803.15	261.0142	-0.43489	0.254961	-1.70572	0.088061	0.501624
11159	ENSG00000271976.1	184.7395	-0.46399	0.272082	-1.70532	0.088135	0.501794
10322	ENSG00000213024.12	5060.952	-0.25362	0.148749	-1.70503	0.088189	0.501853
9299	ENSG00000185009.12	1493.431	-0.30865	0.181108	-1.70426	0.088333	0.50242
748	ENSG00000068400.13	4427.62	-0.27179	0.159529	-1.70373	0.088432	0.502732
4425	ENSG00000132612.16	2258.588	0.278959	0.163776	1.703294	0.088513	0.502944
5649	ENSG00000144161.13	241.0245	-0.4645	0.272767	-1.70293	0.088581	0.503077
1276	ENSG00000088812.18	2670.562	-0.29084	0.170833	-1.7025	0.088661	0.503282
662	ENSG00000065615.14	482.2537	0.374171	0.219809	1.702254	0.088708	0.503296
2663	ENSG00000110888.17	755.7523	-0.30487	0.179193	-1.70136	0.088876	0.503999
5574	ENSG00000143502.15	361.4977	-0.39623	0.232968	-1.70079	0.088983	0.504355
9442	ENSG00000186468.13	9870.251	0.259671	0.152713	1.700382	0.089059	0.504536
1441	ENSG00000095319.14	4047.982	-0.25315	0.148951	-1.69953	0.089219	0.504908
10579	ENSG00000228506.2	171.8667	-0.47627	0.28031	-1.69907	0.089306	0.504908
6004	ENSG00000149016.16	1223.129	0.34932	0.205611	1.698936	0.089331	0.504908
5715	ENSG00000144857.14	233.2852	-0.42226	0.248562	-1.6988	0.089358	0.504908
6766	ENSG00000160460.16	1360.515	0.310958	0.183069	1.698588	0.089397	0.504908
7185	ENSG00000164099.3	661.252	-0.32867	0.193522	-1.69839	0.089435	0.504908
4860	ENSG00000136522.14	535.9406	0.331086	0.194967	1.698161	0.089477	0.504908
9902	ENSG00000197892.13	1745.39	-0.28573	0.168271	-1.69802	0.089505	0.504908
2677	ENSG00000111142.14	1741.797	0.275996	0.162553	1.697883	0.08953	0.504908
4756	ENSG00000135720.13	2931.354	-0.26363	0.155288	-1.69768	0.089568	0.504908
1605	ENSG00000100321.15	1109.017	0.307622	0.181227	1.697441	0.089613	0.504911
4305	ENSG00000131381.12	561.4086	-0.33178	0.195642	-1.69585	0.089915	0.506361
4642	ENSG00000134802.18	325.0567	-0.38546	0.227339	-1.69551	0.089978	0.506466
2812	ENSG00000112379.9	3497.906	-0.26802	0.158122	-1.69504	0.090068	0.506723
8140	ENSG00000171345.13	2160.079	0.261158	0.154095	1.69479	0.090115	0.506737
10319	ENSG00000212978.6	246.6821	-0.42419	0.250466	-1.6936	0.090341	0.507648
2676	ENSG00000111110.12	2174.356	-0.26557	0.15682	-1.69347	0.090367	0.507648

1696	ENSG00000100813.14	5043.66	-0.26706	0.15775	-1.69291	0.090473	0.507995
5388	ENSG00000141522.12	14445.91	0.275665	0.162911	1.692122	0.090623	0.508246
5187	ENSG00000139318.8	462.4762	-0.34049	0.201227	-1.69207	0.090632	0.508246
11030	ENSG00000261115.6	2822.218	-0.26567	0.15702	-1.69197	0.090651	0.508246
968	ENSG00000076650.7	352.985	-0.36821	0.217729	-1.69112	0.090813	0.508278
2748	ENSG00000111790.14	317.1233	0.41832	0.247396	1.690892	0.090857	0.508278
11220	ENSG00000274422.1	436.0572	0.524852	0.310459	1.690568	0.090919	0.508278
3446	ENSG00000119906.13	1024.698	-0.28677	0.169638	-1.69048	0.090937	0.508278
2703	ENSG00000111412.6	1220.132	-0.32089	0.189842	-1.69028	0.090974	0.508278
377	ENSG00000037757.14	681.8914	-0.36674	0.216976	-1.69023	0.090985	0.508278
10093	ENSG00000198898.14	2085.107	0.337413	0.199635	1.690153	0.090999	0.508278
8967	ENSG00000181222.18	9129.584	0.327726	0.193912	1.690072	0.091014	0.508278
9525	ENSG00000187742.15	1383.22	-0.27711	0.164007	-1.6896	0.091104	0.508529
6705	ENSG00000159884.12	497.2474	0.353135	0.209086	1.688946	0.09123	0.508983
6509	ENSG00000157106.17	2182.432	-0.28537	0.1691	-1.68759	0.09149	0.510182
321	ENSG00000027847.14	1176.842	0.301107	0.17845	1.687352	0.091536	0.510189
8359	ENSG00000173611.18	220.2892	0.497521	0.29502	1.686401	0.091719	0.510959
3669	ENSG00000123411.15	380.4158	-0.35924	0.213059	-1.6861	0.091777	0.511034
8935	ENSG00000180815.14	1183.981	-0.28787	0.170817	-1.68523	0.091944	0.511711
3191	ENSG00000116685.16	4267.52	0.281697	0.167231	1.684477	0.092089	0.512273
9893	ENSG00000197818.12	900.5846	-0.30874	0.183368	-1.68373	0.092233	0.512714
522	ENSG00000055332.18	1082.187	-0.30021	0.17834	-1.68334	0.09231	0.512714
7653	ENSG00000167522.16	11826.98	0.299733	0.178085	1.68309	0.092358	0.512714
901	ENSG00000074356.17	1455.195	0.314418	0.186838	1.682834	0.092407	0.512714
5206	ENSG00000139514.13	7664.646	-0.24681	0.146679	-1.68269	0.092435	0.512714
7698	ENSG00000167770.11	4093.251	0.253357	0.150568	1.682671	0.092439	0.512714
8019	ENSG00000170322.14	1279.348	-0.29724	0.176693	-1.68224	0.092522	0.512926
2617	ENSG00000110171.20	676.9391	-0.33759	0.200711	-1.68198	0.092572	0.512954
9337	ENSG00000185340.15	275.9166	0.446713	0.265769	1.680832	0.092796	0.513941
5963	ENSG00000148341.18	4839.539	0.265144	0.157778	1.680484	0.092863	0.514066
9385	ENSG00000185742.7	234.7202	-0.47717	0.284212	-1.67894	0.093164	0.514846
339	ENSG00000032219.19	526.0295	0.340253	0.202666	1.678879	0.093176	0.514846
11168	ENSG00000272333.7	4210.823	0.344639	0.205285	1.678837	0.093184	0.514846
2689	ENSG00000111266.9	264.2919	-0.43864	0.261285	-1.67878	0.093194	0.514846
8962	ENSG00000181163.13	12110.27	0.245583	0.146303	1.678599	0.09323	0.514846
2242	ENSG00000105778.19	1090.869	-0.32379	0.192975	-1.67791	0.093365	0.515208
8223	ENSG00000172172.8	540.1876	0.332413	0.198125	1.6778	0.093386	0.515208
10494	ENSG00000221968.9	1319.748	0.292219	0.174259	1.676926	0.093557	0.515872
10054	ENSG00000198794.12	10734.89	0.289556	0.172692	1.67672	0.093597	0.515872
9699	ENSG00000196422.11	1953.486	-0.26066	0.155528	-1.67594	0.093749	0.516048
5022	ENSG00000137817.17	3178.196	-0.25679	0.153239	-1.67574	0.09379	0.516048
10779	ENSG00000243335.9	446.1733	-0.34261	0.20447	-1.6756	0.093817	0.516048
8684	ENSG00000177374.13	516.0542	0.354881	0.211804	1.675516	0.093833	0.516048
2126	ENSG00000104960.15	12590.52	0.278808	0.166415	1.675378	0.09386	0.516048
4296	ENSG00000131242.18	3131.862	-0.26623	0.158924	-1.67517	0.093901	0.516048
9749	ENSG00000196696.13	634.9008	-0.31934	0.19069	-1.67468	0.093997	0.516237
3097	ENSG00000115762.16	1384.48	-0.3028	0.180825	-1.67453	0.094026	0.516237
7347	ENSG00000165272.16	745.0602	0.339002	0.202693	1.672488	0.094428	0.517974
10086	ENSG00000198885.9	365.03	-0.37669	0.225229	-1.67246	0.094433	0.517974
1225	ENSG00000087076.9	425.5609	0.396487	0.237187	1.671619	0.094599	0.518531
2412	ENSG00000107821.15	383.1196	0.384113	0.229819	1.671369	0.094649	0.518531
6496	ENSG00000156959.9	1697.549	0.338397	0.202506	1.671046	0.094713	0.518531

8051	ENSG00000170608.3	471.8645	0.442795	0.265043	1.670653	0.09479	0.518531
8196	ENSG00000171862.11	1312.755	0.297464	0.178057	1.670609	0.094799	0.518531
7015	ENSG00000163191.6	2830.295	0.294434	0.176248	1.670562	0.094808	0.518531
11230	ENSG00000275066.5	1539.592	-0.29365	0.175867	-1.66975	0.094968	0.519157
4452	ENSG00000132821.12	235.8992	0.471059	0.282208	1.66919	0.09508	0.51928
9180	ENSG00000183735.10	369.7189	-0.36752	0.220179	-1.66918	0.095082	0.51928
7257	ENSG00000164597.14	701.6292	-0.34695	0.207955	-1.66837	0.095243	0.519847
4911	ENSG00000136883.14	5874.762	0.27281	0.163536	1.668195	0.095277	0.519847
2779	ENSG00000112137.18	242.9303	-0.44309	0.265647	-1.66796	0.095324	0.519856
5650	ENSG00000144191.12	800.2725	-0.30757	0.18446	-1.66741	0.095433	0.520196
240	ENSG00000013573.17	2202.049	-0.26374	0.158196	-1.66718	0.095478	0.520196
9895	ENSG00000197841.15	229.9357	-0.41707	0.250275	-1.66644	0.095626	0.52059
2843	ENSG00000112759.19	21851.24	0.249356	0.149641	1.66636	0.095642	0.52059
804	ENSG00000070614.15	3577.313	-0.27526	0.165226	-1.66596	0.095722	0.520776
7795	ENSG00000168476.12	2917.645	0.304759	0.183132	1.664149	0.096083	0.522489
8298	ENSG00000172977.13	1441.591	-0.27477	0.165166	-1.66362	0.096188	0.522814
1356	ENSG00000090863.12	5544.675	-0.25324	0.152344	-1.6623	0.096454	0.523728
4764	ENSG00000135778.12	412.0957	0.360394	0.216822	1.662166	0.09648	0.523728
9427	ENSG00000186187.12	1843.447	0.282017	0.169711	1.66175	0.096563	0.523728
2319	ENSG00000106565.18	604.49	0.336909	0.202757	1.661643	0.096584	0.523728
8716	ENSG00000177685.17	158.1392	0.555195	0.334132	1.661605	0.096592	0.523728
9450	ENSG00000186532.12	609.0314	-0.32752	0.197135	-1.6614	0.096632	0.523728
989	ENSG00000077312.9	2460.836	0.270895	0.163203	1.659868	0.096941	0.52501
6710	ENSG00000160050.15	975.987	0.283765	0.17098	1.659639	0.096987	0.52501
5681	ENSG00000144567.11	8850.063	0.268579	0.161839	1.659539	0.097007	0.52501
3093	ENSG00000115756.13	705.532	0.308974	0.186207	1.659303	0.097055	0.525017
9840	ENSG00000197343.11	1578.089	-0.27798	0.167653	-1.65805	0.097307	0.525913
7341	ENSG00000165240.20	166.0129	-0.52127	0.314421	-1.65789	0.09734	0.525913
1738	ENSG00000101109.12	1308.668	-0.29423	0.177485	-1.6578	0.097359	0.525913
4441	ENSG00000132718.9	3961.093	-0.26019	0.157001	-1.65723	0.097474	0.526283
5933	ENSG00000147912.13	474.5859	-0.33876	0.204464	-1.65681	0.097558	0.526492
9358	ENSG00000185507.21	445.1703	0.387448	0.233917	1.656352	0.097651	0.52674
6044	ENSG00000149499.12	930.4994	0.349803	0.211408	1.654631	0.097999	0.528371
8847	ENSG00000179304.16	506.0207	0.395309	0.238967	1.654245	0.098078	0.528379
3920	ENSG00000126456.16	1082.605	0.35206	0.212922	1.653472	0.098235	0.528379
5034	ENSG00000137876.10	1010.097	0.292597	0.176999	1.653096	0.098311	0.528379
4897	ENSG00000136828.19	1419.63	-0.28426	0.17196	-1.65308	0.098315	0.528379
8515	ENSG00000175265.17	1839.21	-0.26545	0.160588	-1.65302	0.098327	0.528379
579	ENSG00000061337.15	743.7332	0.305115	0.18459	1.652935	0.098344	0.528379
9168	ENSG00000183655.13	601.4178	0.336257	0.203433	1.652912	0.098349	0.528379
2337	ENSG00000106683.15	709.2232	0.3106	0.187935	1.652698	0.098392	0.528379
10986	ENSG00000259291.2	314.3948	0.383551	0.232094	1.652569	0.098419	0.528379
10360	ENSG00000213614.10	3917.495	-0.25048	0.151599	-1.65226	0.098481	0.528467
5548	ENSG00000143373.18	3567.004	0.254498	0.154057	1.651975	0.09854	0.52853
2280	ENSG00000106153.13	4726.612	0.282887	0.17131	1.651319	0.098673	0.528813
8122	ENSG00000171219.9	4091.777	0.288349	0.174637	1.651137	0.098711	0.528813
9472	ENSG00000186907.8	292.8094	0.408428	0.247377	1.651035	0.098731	0.528813
894	ENSG00000074054.19	1474.48	-0.29469	0.178555	-1.65041	0.09886	0.529251
7539	ENSG00000166595.12	1635.909	0.266077	0.161348	1.649085	0.09913	0.530449
8955	ENSG00000181031.16	2119.705	0.255324	0.154879	1.648541	0.099242	0.53061
8612	ENSG00000176444.19	1851.453	-0.2729	0.165547	-1.64847	0.099256	0.53061
6577	ENSG00000158089.15	716.4512	-0.3011	0.182706	-1.648	0.099352	0.53061

5877	ENSG00000147162.14	2247.243	-0.26971	0.163677	-1.64781	0.099392	0.53061
7274	ENSG00000164715.6	2403.702	-0.26866	0.163044	-1.6478	0.099393	0.53061
1538	ENSG00000100030.15	4056.618	-0.27098	0.164562	-1.64669	0.099622	0.531495
222	ENSG0000012779.11	759.3427	-0.3065	0.186151	-1.64654	0.099652	0.531495
4142	ENSG00000129933.21	3004.914	-0.25118	0.152714	-1.6448	0.100011	0.533157
505	ENSG00000054356.14	42275.85	0.270316	0.164458	1.643681	0.100242	0.534071
10615	ENSG00000232112.3	2339.52	0.263752	0.160484	1.643483	0.100283	0.534071
7171	ENSG00000164062.13	5557.931	0.244174	0.148588	1.64329	0.100323	0.534071
5425	ENSG00000141837.21	2789.727	-0.34257	0.208662	-1.64174	0.100645	0.535532
5890	ENSG00000147400.10	832.4657	0.332375	0.202483	1.641502	0.100693	0.535542
7888	ENSG00000169193.12	171.6428	0.464473	0.283021	1.641126	0.100771	0.535706
4941	ENSG00000137103.20	2344.331	0.295154	0.179887	1.64077	0.100845	0.535849
8445	ENSG00000174579.4	702.2946	-0.32024	0.195272	-1.63996	0.101013	0.536491
6803	ENSG00000160877.6	4109.819	0.248961	0.151882	1.639173	0.101177	0.537112
6616	ENSG00000158636.16	460.9325	-0.33706	0.205746	-1.63822	0.101375	0.537786
7482	ENSG00000166257.9	2060.449	-0.2528	0.15433	-1.63804	0.101413	0.537786
9572	ENSG00000188452.14	489.8719	-0.32562	0.198805	-1.63788	0.101446	0.537786
955	ENSG00000076108.11	5816.04	-0.24784	0.151353	-1.63748	0.101531	0.537986
4146	ENSG00000129990.15	724.6084	0.298275	0.182211	1.636978	0.101635	0.538288
3422	ENSG00000119705.10	481.4722	0.354591	0.216734	1.636065	0.101826	0.538801
6922	ENSG00000162458.13	445.278	0.362943	0.221849	1.635991	0.101841	0.538801
7275	ENSG00000164733.21	1690.834	-0.31864	0.194799	-1.63575	0.101892	0.538801
964	ENSG00000076513.17	720.1821	-0.34649	0.211843	-1.63561	0.101921	0.538801
11137	ENSG00000269893.8	649.7622	0.335346	0.205211	1.634155	0.102226	0.540162
10665	ENSG00000235609.7	171.0422	0.499778	0.305952	1.633521	0.10236	0.540459
4005	ENSG00000127922.9	1711.137	0.297357	0.182044	1.633436	0.102377	0.540459
2284	ENSG00000106246.18	707.8231	-0.30487	0.186678	-1.63311	0.102446	0.540569
9778	ENSG00000196923.14	985.0095	0.303495	0.185881	1.632737	0.102524	0.540733
1860	ENSG00000102125.16	1040.79	0.289156	0.177149	1.632274	0.102622	0.54091
607	ENSG00000063601.17	571.9375	-0.31696	0.194199	-1.63213	0.102653	0.54091
8000	ENSG00000170145.5	2124.571	-0.25775	0.158035	-1.63096	0.102899	0.541958
2262	ENSG00000105968.19	3592.079	0.252036	0.154557	1.630701	0.102953	0.541993
8785	ENSG00000178605.13	2854.476	0.313469	0.192257	1.630468	0.103003	0.542002
4435	ENSG00000132670.20	3274.943	-0.25126	0.154184	-1.62962	0.103181	0.542689
4903	ENSG00000136856.18	608.9114	0.338993	0.208105	1.628947	0.103324	0.542747
3137	ENSG00000116133.13	42855	-0.2445	0.150129	-1.62861	0.103395	0.542747
8688	ENSG00000177410.13	940.4105	0.325476	0.199882	1.628344	0.103452	0.542747
8745	ENSG00000177990.12	403.0764	-0.35191	0.216131	-1.62823	0.103475	0.542747
9574	ENSG00000188493.15	990.9457	0.326848	0.200744	1.628183	0.103486	0.542747
8397	ENSG00000173992.9	1098.217	0.300339	0.184478	1.628044	0.103516	0.542747
7065	ENSG00000163545.11	199.7418	0.4315	0.265054	1.627973	0.103531	0.542747
9292	ENSG00000184979.10	1037.917	-0.30932	0.190034	-1.6277	0.103588	0.542747
4938	ENSG00000137076.21	8588.99	0.312031	0.191749	1.627295	0.103674	0.542747
1747	ENSG00000101162.4	303.9962	-0.42332	0.26014	-1.62728	0.103678	0.542747
2225	ENSG00000105671.12	2488.66	0.256249	0.157505	1.626929	0.103752	0.542747
2287	ENSG00000106266.11	429.7705	0.430257	0.264469	1.626874	0.103764	0.542747
417	ENSG00000044446.12	2005.603	-0.26417	0.162429	-1.62638	0.10387	0.54305
8555	ENSG00000175745.14	959.7351	0.306593	0.188566	1.625919	0.103967	0.543309
9810	ENSG00000197114.12	1771.607	0.277148	0.170541	1.625118	0.104137	0.543857
8622	ENSG00000176593.8	307.3727	-0.3921	0.241293	-1.62498	0.104167	0.543857
6500	ENSG00000156983.16	948.4394	-0.29846	0.183821	-1.62366	0.104449	0.54508
2580	ENSG00000109736.15	2470.549	0.28937	0.17831	1.62285	0.104622	0.545729

10847	ENSG00000248527.1	38850.9	0.256664	0.158436	1.619988	0.105235	0.548471
8327	ENSG00000173273.16	1418.346	-0.28583	0.176442	-1.61995	0.105244	0.548471
1279	ENSG00000088836.14	847.272	0.319272	0.197173	1.619247	0.105394	0.54885
8450	ENSG00000174669.12	2532.692	0.311848	0.192599	1.61916	0.105413	0.54885
6436	ENSG00000156050.10	160.7951	-0.46394	0.286635	-1.61858	0.105538	0.549087
7658	ENSG00000167535.8	632.4187	0.310636	0.191949	1.618323	0.105593	0.549087
10495	ENSG00000221978.12	3530.341	-0.25289	0.156309	-1.61789	0.105685	0.549087
5332	ENSG00000140950.16	576.4016	-0.3909	0.241618	-1.61785	0.105696	0.549087
9167	ENSG00000183648.11	765.6263	0.302405	0.186922	1.617814	0.105703	0.549087
7305	ENSG00000164944.12	869.4492	0.295892	0.18292	1.617603	0.105748	0.549087
2493	ENSG00000108592.17	1238.385	-0.26732	0.165281	-1.61738	0.105796	0.549087
6516	ENSG00000157212.19	943.1698	-0.28625	0.177063	-1.61665	0.105953	0.549412
9740	ENSG00000196652.12	619.7743	-0.30427	0.188218	-1.61657	0.105971	0.549412
7484	ENSG00000166261.11	355.6934	-0.35289	0.218316	-1.61642	0.106003	0.549412
5538	ENSG00000143319.17	1846.598	-0.26093	0.161533	-1.61531	0.106244	0.549833
9273	ENSG00000184787.19	1777.961	-0.26044	0.161265	-1.61496	0.106318	0.549833
8510	ENSG00000175215.11	2715.364	-0.24899	0.154179	-1.61496	0.10632	0.549833
9353	ENSG00000185480.11	165.9357	-0.48015	0.297318	-1.61493	0.106325	0.549833
483	ENSG00000051620.11	555.5203	0.315766	0.195529	1.61493	0.106326	0.549833
4940	ENSG00000137100.16	2078.906	0.255435	0.158209	1.614544	0.10641	0.549913
4243	ENSG00000130768.15	903.3068	-0.29449	0.182414	-1.61441	0.106438	0.549913
7810	ENSG00000168575.10	637.5249	-0.32199	0.19953	-1.61375	0.106581	0.550316
9394	ENSG00000185825.17	6826.761	0.243925	0.151168	1.613608	0.106612	0.550316
9187	ENSG00000183779.7	4951.066	0.353511	0.21913	1.613246	0.106691	0.550471
7513	ENSG00000166444.19	946.6763	0.283083	0.175599	1.612102	0.10694	0.551505
7656	ENSG00000167526.14	26266.05	0.225219	0.139753	1.611547	0.10706	0.551816
3559	ENSG00000121716.20	1669.869	-0.3043	0.188843	-1.61138	0.107097	0.551816
8787	ENSG00000178662.16	444.4328	0.416082	0.258306	1.610813	0.107221	0.552051
8609	ENSG00000176422.14	1396.003	0.28802	0.178875	1.610174	0.10736	0.552051
4375	ENSG00000132254.12	2021.041	-0.26477	0.164439	-1.61014	0.107368	0.552051
2593	ENSG00000109917.11	662.0596	-0.3323	0.206385	-1.61009	0.107379	0.552051
315	ENSG00000026036.22	757.707	-0.31489	0.195576	-1.61006	0.107385	0.552051
1809	ENSG00000101577.9	1670.863	-0.27613	0.171546	-1.60963	0.107479	0.552199
4630	ENSG00000134698.11	308.0123	-0.44107	0.274044	-1.60948	0.107511	0.552199
9523	ENSG00000187736.13	360.442	-0.34976	0.217419	-1.6087	0.107681	0.552408
6527	ENSG00000157353.17	790.6828	0.323382	0.201106	1.608015	0.107832	0.552408
10952	ENSG00000257093.7	2231.443	-0.25803	0.160467	-1.608	0.107835	0.552408
3929	ENSG00000126583.11	324.0273	0.364881	0.226933	1.607883	0.107861	0.552408
11031	ENSG00000261150.3	1573.292	0.332553	0.20684	1.607782	0.107883	0.552408
7639	ENSG00000167394.13	790.1786	0.341634	0.21249	1.607766	0.107887	0.552408
3867	ENSG00000125868.16	5177.487	0.251541	0.156456	1.607745	0.107891	0.552408
7724	ENSG00000167972.14	8504.721	0.243508	0.151527	1.607029	0.108048	0.552964
5410	ENSG00000141644.17	2234.64	-0.252	0.156857	-1.60654	0.108155	0.553233
6523	ENSG00000157326.19	685.159	0.294857	0.183563	1.606302	0.108208	0.553233
5510	ENSG00000143106.13	919.5566	0.295645	0.184085	1.60603	0.108267	0.553233
736	ENSG00000068078.19	1733.894	0.287212	0.178866	1.605736	0.108332	0.553233
4239	ENSG00000130758.8	1679.457	0.338331	0.210709	1.605682	0.108344	0.553233
6463	ENSG00000156471.13	1378.845	-0.30342	0.189087	-1.60466	0.108568	0.554128
5445	ENSG00000142173.16	1101.056	0.35343	0.220313	1.604214	0.108667	0.554386
91	ENSG00000006210.7	298.2061	0.374687	0.233665	1.60352	0.10882	0.554918
2978	ENSG00000114626.18	974.6446	0.351299	0.219184	1.602756	0.108989	0.555344
10232	ENSG00000204934.10	409.455	-0.35522	0.221637	-1.6027	0.109001	0.555344

7498	ENSG00000166342.19	562.0894	0.356219	0.222355	1.602029	0.109149	0.55547
4366	ENSG00000132026.14	351.8557	0.460539	0.287513	1.601803	0.109199	0.55547
2437	ENSG00000108039.18	815.5758	-0.3017	0.188358	-1.60174	0.109213	0.55547
257	ENSG00000015413.9	486.6883	0.350734	0.219009	1.601459	0.109275	0.55547
5473	ENSG00000142632.17	170.7522	0.466358	0.291247	1.601247	0.109322	0.55547
2566	ENSG00000109501.14	10475.2	0.238047	0.148676	1.60111	0.109353	0.55547
11383	ENSG00000287900.1	278.6011	-0.41139	0.256986	-1.60082	0.109416	0.55547
9125	ENSG00000183172.9	1263.43	0.287799	0.179782	1.600824	0.109416	0.55547
143	ENSG00000008130.15	2490.416	-0.24268	0.151631	-1.60044	0.109502	0.555659
10135	ENSG00000203950.6	2170.311	0.259635	0.162363	1.599103	0.109798	0.556912
3579	ENSG00000122026.10	4659.56	0.308698	0.193122	1.598457	0.109941	0.557354
7692	ENSG00000167716.19	1637.97	0.316974	0.198323	1.598271	0.109983	0.557354
1616	ENSG00000100359.21	4374.466	0.265515	0.166155	1.597991	0.110045	0.557421
3560	ENSG00000121741.16	1523.404	0.262256	0.16414	1.597754	0.110098	0.55744
2858	ENSG00000112983.18	2052.037	-0.26633	0.166744	-1.59726	0.110208	0.557751
2552	ENSG00000109265.14	511.2236	-0.33007	0.206692	-1.59694	0.11028	0.557868
10547	ENSG00000225830.14	467.6244	-0.3678	0.230452	-1.59599	0.110491	0.558469
1328	ENSG00000090013.11	380.5026	0.372943	0.233679	1.595963	0.110497	0.558469
2826	ENSG00000112619.8	219.6035	-0.41118	0.257758	-1.59522	0.110663	0.55906
3822	ENSG00000125630.16	531.8307	-0.35191	0.220741	-1.59423	0.110884	0.559927
877	ENSG00000073150.14	158.9603	0.54453	0.34184	1.59294	0.111174	0.560332
1601	ENSG00000100314.4	442.0717	0.326304	0.20486	1.59281	0.111203	0.560332
4444	ENSG00000132768.14	933.3668	0.278871	0.175105	1.592591	0.111252	0.560332
8692	ENSG00000177463.15	1696.417	-0.3194	0.200564	-1.59253	0.111265	0.560332
3280	ENSG00000117595.12	1176.422	-0.2824	0.177335	-1.59247	0.11128	0.560332
2109	ENSG00000104863.12	276.8382	0.452109	0.283935	1.5923	0.111317	0.560332
9722	ENSG00000196531.13	5652.739	0.238474	0.149795	1.592006	0.111383	0.560332
9650	ENSG00000196118.12	297.2376	0.377026	0.236837	1.59192	0.111403	0.560332
5436	ENSG00000141985.9	4114.784	0.243183	0.152763	1.5919	0.111407	0.560332
2261	ENSG00000105953.15	2651.275	-0.24596	0.154599	-1.59095	0.111621	0.561107
10089	ENSG00000198888.2	161302.5	0.227456	0.142984	1.590778	0.11166	0.561107
4020	ENSG00000128050.9	3430.24	-0.23512	0.147836	-1.59041	0.111743	0.561277
2078	ENSG00000104529.17	6651.163	0.255767	0.16085	1.590093	0.111814	0.561386
10471	ENSG00000218336.9	8764.665	-0.25945	0.163306	-1.58876	0.112114	0.562644
11094	ENSG00000266962.2	1367.23	0.311968	0.196541	1.587288	0.112447	0.563978
7123	ENSG00000163872.16	1637.482	-0.26066	0.16424	-1.58706	0.112499	0.563978
9805	ENSG00000197077.13	1325.494	-0.2682	0.169005	-1.58693	0.112528	0.563978
4168	ENSG00000130227.17	2332.094	-0.27167	0.171283	-1.58612	0.112712	0.564451
177	ENSG00000010292.13	3390.258	-0.27397	0.172752	-1.58594	0.112752	0.564451
1829	ENSG00000101849.17	2240.538	-0.27201	0.171524	-1.58586	0.112771	0.564451
8965	ENSG00000181218.5	281.9552	0.411449	0.259562	1.585167	0.112928	0.564899
121	ENSG00000007080.11	2660.458	0.266465	0.168114	1.585028	0.11296	0.564899
5132	ENSG00000138686.10	239.5649	0.412133	0.26012	1.584397	0.113104	0.565263
2645	ENSG00000110696.10	2826.198	0.264392	0.166898	1.584155	0.113158	0.565263
3883	ENSG00000125968.9	2630.635	0.30467	0.192336	1.584053	0.113182	0.565263
3204	ENSG00000116786.13	5372.918	0.251058	0.158593	1.583032	0.113414	0.566176
1736	ENSG00000101098.13	340.3729	0.500111	0.316271	1.581275	0.113815	0.567929
2303	ENSG00000106397.12	5385.823	0.245225	0.155124	1.580833	0.113916	0.568184
3505	ENSG00000120784.16	220.343	0.427782	0.27068	1.580396	0.114016	0.568195
6868	ENSG00000161960.16	9047.712	-0.22746	0.14393	-1.58039	0.114018	0.568195
6980	ENSG00000162949.16	205.9718	-0.46298	0.293061	-1.57982	0.114148	0.568595
2264	ENSG00000105983.22	1311.74	-0.2874	0.181961	-1.57947	0.114227	0.568739

6081	ENSG00000150347.16	540.8218	-0.31866	0.201808	-1.57904	0.114328	0.56899
9508	ENSG00000187535.14	1144.699	-0.27621	0.175055	-1.57787	0.114595	0.56997
7702	ENSG00000167778.9	1910.889	0.31615	0.200381	1.577743	0.114625	0.56997
8921	ENSG00000180537.13	738.7029	0.313614	0.198833	1.577272	0.114733	0.57026
10496	ENSG00000221983.8	6785.423	0.23222	0.147278	1.576754	0.114852	0.570397
6752	ENSG00000160305.18	1187.13	-0.27902	0.176961	-1.57672	0.114861	0.570397
7450	ENSG00000166073.11	418.6815	-0.32566	0.20667	-1.57575	0.115084	0.570471
7324	ENSG00000165102.15	877.1807	-0.27689	0.175723	-1.57571	0.115093	0.570471
1633	ENSG00000100417.12	2313.806	0.299194	0.189897	1.575561	0.115127	0.570471
869	ENSG00000072849.11	940.3235	-0.30405	0.192987	-1.57548	0.115145	0.570471
5584	ENSG00000143570.19	4142.268	0.25249	0.160283	1.575276	0.115193	0.570471
5636	ENSG00000144028.15	9619.711	-0.23169	0.14709	-1.57517	0.115217	0.570471
1003	ENSG00000078018.20	3115.853	-0.24742	0.157076	-1.57513	0.115226	0.570471
1448	ENSG00000095539.15	1808.775	0.298577	0.189672	1.574176	0.115447	0.57081
4751	ENSG00000135677.11	5252.928	-0.25425	0.161521	-1.57412	0.11546	0.57081
6713	ENSG00000160058.19	1684.529	-0.25468	0.161796	-1.5741	0.115464	0.57081
11385	ENSG00000288398.1	674.7218	0.364627	0.231661	1.573965	0.115495	0.57081
6579	ENSG00000158106.14	1999.016	0.303446	0.1929	1.573076	0.115701	0.571579
2897	ENSG00000113552.16	2093.277	-0.28108	0.178757	-1.57241	0.115855	0.572088
395	ENSG00000040487.13	2337.02	0.266348	0.169411	1.572198	0.115905	0.572088
9012	ENSG00000182004.13	1026.658	0.275599	0.17533	1.571888	0.115976	0.572194
9474	ENSG00000186918.14	2352.554	-0.25169	0.160229	-1.57084	0.116221	0.573151
4659	ENSG00000134909.18	1354.195	-0.26561	0.169127	-1.57048	0.116303	0.57331
2128	ENSG00000104967.8	710.1193	0.401267	0.255556	1.570174	0.116375	0.573413
9578	ENSG00000188554.15	1603.881	-0.26494	0.168826	-1.56928	0.116582	0.574158
519	ENSG00000055163.20	3070.92	-0.26212	0.167052	-1.56909	0.116627	0.574158
4465	ENSG00000132938.21	1811.472	-0.26915	0.171591	-1.56853	0.116758	0.574558
10094	ENSG00000198899.2	92120.55	0.238672	0.152259	1.567541	0.116988	0.575441
782	ENSG00000070019.5	779.0858	-0.30187	0.192612	-1.56723	0.11706	0.575546
1689	ENSG00000100749.8	506.8204	0.308983	0.197225	1.566652	0.117196	0.575965
9437	ENSG00000186350.12	6584.891	0.236889	0.151244	1.56627	0.117285	0.575981
10069	ENSG00000198837.10	4233.548	0.25102	0.160299	1.565948	0.117361	0.575981
9635	ENSG00000189266.13	1475.012	0.286328	0.182858	1.565848	0.117384	0.575981
6654	ENSG00000159140.21	9651.272	0.256095	0.163558	1.565774	0.117402	0.575981
3857	ENSG00000125835.19	6240.474	0.225172	0.143857	1.565247	0.117525	0.576188
6221	ENSG00000152518.8	3485.386	0.239614	0.153104	1.565042	0.117573	0.576188
6611	ENSG00000158552.13	1344.138	0.27067	0.172958	1.564946	0.117596	0.576188
4424	ENSG00000132604.11	779.5237	-0.28046	0.179247	-1.56463	0.11767	0.576302
5731	ENSG00000145198.14	17927.91	0.307727	0.196821	1.563486	0.117938	0.577272
9625	ENSG00000189114.8	639.9951	0.335438	0.214563	1.563356	0.117969	0.577272
7664	ENSG00000167565.13	368.0155	0.369074	0.236118	1.563089	0.118032	0.57733
10299	ENSG00000206417.8	217.7757	0.497113	0.318166	1.562434	0.118186	0.577742
10311	ENSG00000211459.2	14104.9	0.244985	0.156811	1.5623	0.118217	0.577742
9053	ENSG00000182446.14	4705.233	-0.23312	0.149255	-1.56187	0.11832	0.577821
7417	ENSG00000165792.18	1141.686	-0.26521	0.169832	-1.56161	0.118381	0.577821
4920	ENSG00000136935.14	712.9577	-0.28576	0.183003	-1.56152	0.1184	0.577821
8264	ENSG00000172613.8	891.079	0.302903	0.194017	1.561222	0.118471	0.577821
992	ENSG00000077454.16	3735.556	0.291488	0.186727	1.561037	0.118515	0.577821
4341	ENSG00000131778.19	940.8994	-0.27	0.172972	-1.56094	0.118538	0.577821
4805	ENSG00000136052.9	294.8654	-0.3906	0.250275	-1.56069	0.118597	0.577863
10422	ENSG00000214595.12	973.9573	-0.32074	0.205584	-1.56017	0.11872	0.577952
9592	ENSG00000188706.13	1219.362	-0.26035	0.166872	-1.56016	0.118721	0.577952

1529	ENSG00000099991.18	5118.893	0.233296	0.149552	1.559967	0.118768	0.577952
7014	ENSG00000163171.8	1507.182	-0.26693	0.171228	-1.55891	0.119018	0.578367
11179	ENSG00000272686.1	293.1772	0.359879	0.230856	1.558893	0.119022	0.578367
10859	ENSG00000249592.6	290.0964	-0.36996	0.23734	-1.55879	0.119047	0.578367
5509	ENSG00000143093.15	1395.769	-0.25354	0.162657	-1.55875	0.119056	0.578367
2805	ENSG00000112312.10	828.9695	0.295668	0.189805	1.557747	0.119293	0.579271
9848	ENSG00000197386.12	6293.155	-0.23928	0.153628	-1.55753	0.119346	0.579279
11027	ENSG00000260914.3	988.4414	0.301459	0.193628	1.556903	0.119494	0.579456
10655	ENSG00000235098.8	2086.121	0.251318	0.16146	1.556534	0.119581	0.579456
11368	ENSG00000285976.2	1274.119	0.259105	0.166469	1.556474	0.119596	0.579456
3065	ENSG00000115459.18	310.5726	-0.35046	0.225191	-1.55629	0.119638	0.579456
9896	ENSG00000197852.12	886.8098	0.28679	0.184293	1.556163	0.119669	0.579456
553	ENSG00000058729.11	449.836	0.358739	0.230579	1.555817	0.119752	0.579456
3674	ENSG00000123473.16	460.4289	-0.33896	0.217886	-1.55567	0.119786	0.579456
6271	ENSG00000153317.15	2506.159	-0.24028	0.154454	-1.55566	0.119789	0.579456
27	ENSG00000003402.20	641.2765	-0.30524	0.196361	-1.55449	0.120069	0.580402
11322	ENSG00000282034.1	3196.397	0.350007	0.225171	1.554406	0.120088	0.580402
4317	ENSG00000131473.17	38841.08	-0.23284	0.149812	-1.5542	0.120138	0.580402
8724	ENSG00000177738.4	353.444	-0.33714	0.216983	-1.55376	0.120241	0.580406
9786	ENSG00000196972.9	374.7486	0.384162	0.247249	1.553741	0.120246	0.580406
665	ENSG00000065717.15	1975.352	0.30801	0.198262	1.553552	0.120291	0.580406
5857	ENSG00000146909.8	751.6223	-0.29397	0.189254	-1.55329	0.120355	0.580467
1818	ENSG00000101670.12	750.8276	-0.28176	0.181484	-1.55252	0.120539	0.580806
1535	ENSG00000100027.16	209.6942	-0.43004	0.27704	-1.55226	0.120599	0.580806
160	ENSG00000008869.12	710.7036	-0.31624	0.203758	-1.55205	0.12065	0.580806
2950	ENSG00000114268.12	1592.256	-0.25234	0.162593	-1.552	0.120663	0.580806
7319	ENSG00000165055.16	1156.803	-0.28734	0.18515	-1.55192	0.12068	0.580806
5480	ENSG00000142677.4	161.3299	0.447563	0.288599	1.550814	0.120946	0.58184
5121	ENSG00000138629.16	1613.094	0.2666	0.171942	1.550521	0.121016	0.581932
4119	ENSG00000129473.10	1327.817	-0.28267	0.182337	-1.55025	0.121082	0.582001
4923	ENSG00000136938.9	6429.13	0.251231	0.162092	1.549935	0.121157	0.582117
10775	ENSG00000243232.6	657.1893	0.296148	0.191183	1.549025	0.121376	0.58292
8320	ENSG00000173218.15	568.5005	-0.31153	0.201189	-1.54843	0.121518	0.583162
5964	ENSG00000148343.18	1171.629	0.340452	0.219875	1.54839	0.121528	0.583162
10959	ENSG00000257335.8	1997.416	-0.28612	0.184845	-1.54788	0.121651	0.583302
4962	ENSG00000137221.14	1196.007	-0.27634	0.178544	-1.54772	0.121689	0.583302
7615	ENSG00000167202.11	990.6845	-0.27415	0.177154	-1.54754	0.121732	0.583302
4048	ENSG00000128578.10	255.3744	-0.39504	0.255287	-1.54742	0.121762	0.583302
2961	ENSG00000114388.14	704.7496	-0.28099	0.181634	-1.54703	0.121856	0.583332
963	ENSG00000076382.17	2173.475	-0.25817	0.166887	-1.54697	0.121871	0.583332
4174	ENSG00000130299.17	1029.834	0.28038	0.181381	1.545806	0.122151	0.584428
10481	ENSG00000221821.4	260.4041	0.399126	0.258316	1.545106	0.122321	0.584992
1553	ENSG00000100099.21	1176.07	-0.26445	0.171203	-1.54466	0.122428	0.58526
8289	ENSG00000172890.13	869.2779	-0.28367	0.183683	-1.54435	0.122503	0.585372
9995	ENSG00000198535.5	671.4716	-0.36399	0.235738	-1.54405	0.122576	0.585475
10617	ENSG00000232229.6	382.9527	-0.34281	0.222097	-1.5435	0.122709	0.585641
11083	ENSG00000265763.4	599.4807	-0.30165	0.195435	-1.54348	0.122714	0.585641
6643	ENSG00000159023.21	1093.856	-0.26665	0.172792	-1.5432	0.122783	0.585684
4222	ENSG00000130703.17	1789.391	-0.25515	0.165361	-1.54302	0.122825	0.585684
2368	ENSG00000107186.16	414.411	-0.3317	0.215042	-1.54251	0.122951	0.585743
10296	ENSG00000206053.13	4985.745	-0.23321	0.151209	-1.54229	0.123002	0.585743
6863	ENSG00000161905.13	545.6424	-0.43103	0.279498	-1.54217	0.123032	0.585743

6952	ENSG00000162735.19	1288.966	-0.27366	0.177457	-1.54212	0.123044	0.585743
611	ENSG00000063978.16	1200.925	-0.26346	0.1709	-1.54158	0.123175	0.586126
6645	ENSG00000159063.13	666.8169	-0.29212	0.189567	-1.54099	0.12332	0.586567
5824	ENSG00000146386.8	357.6044	0.364763	0.236876	1.53989	0.123587	0.587594
10749	ENSG00000241839.10	261.0417	0.371981	0.241723	1.538872	0.123836	0.588403
8154	ENSG00000171467.16	1456.234	-0.26187	0.170178	-1.53877	0.123861	0.588403
3372	ENSG00000119242.8	731.3246	0.327359	0.212793	1.538393	0.123953	0.588576
10160	ENSG00000204220.12	637.3074	0.326669	0.212372	1.538197	0.124	0.588576
6795	ENSG00000160785.13	2349.665	-0.23591	0.15342	-1.53767	0.124129	0.588707
11275	ENSG00000278129.2	665.6875	-0.3043	0.197897	-1.53766	0.124131	0.588707
7983	ENSG00000169992.10	2796.861	0.301375	0.196027	1.53741	0.124193	0.588754
10503	ENSG00000223459.6	156.8336	-0.46277	0.301176	-1.53653	0.124407	0.589414
224	ENSG0000012822.16	1080.848	-0.30487	0.198427	-1.53642	0.124436	0.589414
2443	ENSG00000108100.18	2949.695	-0.24517	0.159674	-1.53541	0.124683	0.59034
6043	ENSG00000149485.19	19840.58	-0.22002	0.143341	-1.53497	0.124792	0.590608
3363	ENSG00000119013.9	577.2668	0.309516	0.201693	1.534592	0.124884	0.59078
10764	ENSG00000242294.6	354.0094	-0.33556	0.218697	-1.53435	0.124943	0.59078
6850	ENSG00000161654.10	1155.727	-0.25554	0.166564	-1.53419	0.124984	0.59078
7730	ENSG00000167994.13	371.5566	0.329096	0.21464	1.533245	0.125215	0.591437
570	ENSG00000060642.11	343.0755	-0.36729	0.239555	-1.5332	0.125226	0.591437
10023	ENSG00000198695.2	641.1569	0.423836	0.276505	1.532835	0.125316	0.591616
8393	ENSG00000173930.9	1795.45	-0.25656	0.167463	-1.53204	0.125513	0.592298
4687	ENSG00000135164.19	1126.438	-0.26773	0.174875	-1.53097	0.125776	0.593295
8699	ENSG00000177556.12	529.6837	0.317354	0.207427	1.529955	0.126028	0.594151
10613	ENSG00000231925.12	2472.691	0.244747	0.159998	1.529688	0.126094	0.594151
9424	ENSG00000186174.12	1400.719	0.247131	0.161565	1.529607	0.126114	0.594151
9507	ENSG00000187531.14	1127.617	0.313964	0.205369	1.528777	0.12632	0.594873
3059	ENSG00000115414.20	1492.102	-0.32305	0.21138	-1.52828	0.126443	0.595207
5866	ENSG00000147100.11	1359.355	-0.25658	0.167944	-1.52776	0.126572	0.595567
9823	ENSG00000197183.14	3429.414	0.23302	0.152591	1.527086	0.12674	0.596111
8211	ENSG00000172009.15	3007.449	0.243955	0.159833	1.526309	0.126933	0.596439
5336	ENSG00000140987.20	338.9386	-0.35087	0.229893	-1.52625	0.126949	0.596439
6080	ENSG00000150316.12	817.4644	0.274648	0.179967	1.526102	0.126984	0.596439
6694	ENSG00000159714.12	396.6416	0.379228	0.248517	1.525963	0.127019	0.596439
7259	ENSG00000164609.10	865.6046	0.266425	0.174622	1.525725	0.127078	0.596472
375	ENSG00000037637.11	950.3417	-0.29122	0.190923	-1.52532	0.127179	0.596698
8988	ENSG00000181666.18	652.6887	-0.28708	0.188292	-1.52464	0.127348	0.597234
7465	ENSG00000166167.18	747.1547	-0.28887	0.189498	-1.52441	0.127407	0.597234
10095	ENSG00000198900.6	4494.461	0.228375	0.149829	1.524234	0.12745	0.597234
2658	ENSG00000110844.13	673.6027	-0.28901	0.18965	-1.52392	0.127528	0.59735
5109	ENSG00000138496.16	318.0676	-0.3461	0.227187	-1.52342	0.127653	0.597689
5343	ENSG00000141012.13	1123.774	0.267834	0.175927	1.522412	0.127906	0.598418
5464	ENSG00000142528.16	896.5104	-0.28076	0.184424	-1.52234	0.127924	0.598418
1467	ENSG00000096696.14	28088.55	-0.22834	0.150021	-1.52206	0.127993	0.598418
732	ENSG00000067992.16	1114.52	-0.2617	0.171959	-1.52187	0.128042	0.598418
499	ENSG00000054118.15	2186.343	-0.25586	0.168138	-1.52175	0.128071	0.598418
11010	ENSG00000260261.2	184.2653	-0.41629	0.273614	-1.52146	0.128145	0.59852
8063	ENSG00000170703.15	216.0713	-0.3911	0.257095	-1.52124	0.128199	0.598523
8931	ENSG00000180773.15	1121.284	-0.26164	0.172022	-1.52095	0.128271	0.598617
7429	ENSG00000165891.16	315.3477	-0.34246	0.225253	-1.52032	0.128431	0.598755
2659	ENSG00000110851.12	1153.649	-0.26197	0.172329	-1.52015	0.128474	0.598755
4450	ENSG00000132801.7	179.5269	-0.41356	0.272063	-1.5201	0.128485	0.598755

7868	ENSG00000169047.5	571.3994	-0.30548	0.200975	-1.52	0.128511	0.598755
4650	ENSG00000134871.19	1424.717	0.324446	0.213509	1.519588	0.128614	0.598811
10129	ENSG00000203760.9	238.7627	0.381145	0.250871	1.519287	0.12869	0.598811
3651	ENSG00000123154.12	482.0096	0.333458	0.219486	1.519267	0.128695	0.598811
8611	ENSG00000176438.12	174.6195	0.519605	0.342085	1.518933	0.128779	0.598811
9181	ENSG00000183741.12	8164.027	0.239669	0.15779	1.518906	0.128786	0.598811
1205	ENSG00000086102.19	1137.125	-0.2574	0.169501	-1.51857	0.12887	0.598955
1756	ENSG00000101194.18	351.6881	0.331036	0.218077	1.517982	0.129019	0.599049
1623	ENSG00000100387.9	1044.125	0.271673	0.178982	1.517884	0.129044	0.599049
7716	ENSG00000167925.16	1575.402	0.298599	0.196736	1.517763	0.129074	0.599049
5002	ENSG00000137642.13	1333.672	-0.25689	0.169267	-1.51766	0.1291	0.599049
10033	ENSG00000198727.2	172950.5	0.226465	0.149331	1.516534	0.129384	0.599847
4471	ENSG00000132967.9	754.1929	0.274529	0.181039	1.516414	0.129415	0.599847
10210	ENSG00000204580.13	19645.85	0.232826	0.153543	1.516351	0.129431	0.599847
1706	ENSG00000100889.12	1294.326	0.279269	0.184267	1.515563	0.12963	0.600116
11018	ENSG00000260565.7	978.1818	-0.2772	0.182925	-1.5154	0.129672	0.600116
6822	ENSG00000161048.11	465.6824	-0.31072	0.205074	-1.51517	0.129729	0.600116
7798	ENSG00000168488.18	10625.73	0.260238	0.171776	1.514983	0.129777	0.600116
3975	ENSG00000127419.17	1453.984	0.274748	0.181394	1.514646	0.129862	0.600116
4112	ENSG00000129351.17	11302.83	-0.22045	0.145564	-1.51444	0.129914	0.600116
164	ENSG00000009335.18	3619.462	-0.23631	0.156039	-1.51443	0.129918	0.600116
2757	ENSG00000111877.17	188.9175	-0.44056	0.290933	-1.51431	0.129946	0.600116
1723	ENSG00000100991.12	3849.026	-0.23683	0.156401	-1.51425	0.129963	0.600116
9747	ENSG00000196683.10	557.451	0.308059	0.203513	1.513708	0.1301	0.600506
5354	ENSG00000141101.13	680.9783	-0.27782	0.183602	-1.51314	0.130244	0.600626
8891	ENSG00000179981.11	5210.018	-0.21879	0.144598	-1.51308	0.130259	0.600626
2830	ENSG00000112655.16	5813.29	0.245768	0.162457	1.51282	0.130325	0.600626
1435	ENSG00000095059.16	1624.004	-0.23968	0.158463	-1.51254	0.130397	0.600626
4043	ENSG00000128534.8	1494.237	0.259343	0.171467	1.512497	0.130407	0.600626
5490	ENSG00000142794.18	439.0131	-0.33088	0.218795	-1.51226	0.130466	0.600626
3604	ENSG00000122507.21	172.0262	-0.44026	0.291163	-1.51208	0.130514	0.600626
2436	ENSG00000108021.20	598.2568	-0.34952	0.231173	-1.51194	0.130548	0.600626
1783	ENSG00000101391.21	1044.894	-0.26043	0.172284	-1.51165	0.130624	0.600734
10225	ENSG00000204822.7	829.0848	0.277882	0.183858	1.511398	0.130687	0.600781
3677	ENSG00000123545.6	198.835	0.450813	0.298362	1.510959	0.130799	0.601049
4025	ENSG00000128191.16	2131.857	-0.236	0.156233	-1.51058	0.130895	0.601049
7270	ENSG00000164684.13	173.1781	0.422185	0.27953	1.510336	0.130958	0.601049
6246	ENSG00000152944.9	525.0715	0.365304	0.241878	1.510284	0.130971	0.601049
10169	ENSG00000204272.13	835.2983	0.268251	0.177634	1.510134	0.131009	0.601049
5628	ENSG00000143933.19	7025.007	0.274763	0.182003	1.509658	0.131131	0.601363
5178	ENSG00000139200.13	663.8801	0.311205	0.206263	1.508782	0.131355	0.602148
7990	ENSG00000170043.12	3535.516	0.250154	0.165833	1.508469	0.131435	0.602272
5501	ENSG00000142961.14	288.6548	-0.35723	0.236867	-1.50813	0.131521	0.602321
2501	ENSG00000108669.16	560.2715	-0.29794	0.197574	-1.50801	0.131551	0.602321
9213	ENSG00000184076.13	1325.09	0.248059	0.164631	1.506756	0.131873	0.603553
1548	ENSG00000100077.15	310.9797	-0.35155	0.233364	-1.50642	0.131958	0.603699
2613	ENSG00000110090.13	168.4974	-0.50546	0.335633	-1.50599	0.132071	0.603971
6657	ENSG00000159166.15	176.0765	-0.43166	0.286726	-1.50546	0.132205	0.603993
2985	ENSG00000114735.10	1119.074	0.299569	0.199003	1.505354	0.132233	0.603993
7721	ENSG00000167967.16	1834.973	0.261927	0.173998	1.505348	0.132235	0.603993
7841	ENSG00000168872.17	1777.869	-0.24056	0.159934	-1.50414	0.132544	0.604425
1876	ENSG00000102312.23	727.469	0.28558	0.189872	1.504068	0.132564	0.604425

140	ENSG00000008083.14	830.709	-0.27103	0.180208	-1.50401	0.13258	0.604425
1292	ENSG000000089048.14	1381.112	0.257711	0.171427	1.503332	0.132753	0.604425
9028	ENSG000000182165.18	184.6759	0.413146	0.274837	1.503236	0.132778	0.604425
1728	ENSG000000101019.22	1310.312	-0.27148	0.180619	-1.50308	0.13282	0.604425
389	ENSG000000039523.20	1511.219	0.299977	0.199576	1.50307	0.132821	0.604425
8594	ENSG000000176248.9	1915.054	0.29606	0.196974	1.503043	0.132828	0.604425
5728	ENSG000000145050.19	3199.365	0.22885	0.152264	1.502982	0.132844	0.604425
1220	ENSG000000086827.9	481.6668	-0.3011	0.200341	-1.50292	0.13286	0.604425
10506	ENSG000000223501.9	1817.076	-0.24499	0.163045	-1.50261	0.13294	0.604548
10374	ENSG000000213762.12	404.098	0.320317	0.213266	1.501962	0.133107	0.605066
3268	ENSG000000117481.10	553.4877	-0.30847	0.20543	-1.50156	0.13321	0.605222
4348	ENSG000000131844.16	1297.679	-0.25145	0.167474	-1.50142	0.133248	0.605222
5897	ENSG000000147457.14	1175.367	-0.25321	0.168682	-1.50109	0.133333	0.605368
1676	ENSG000000100626.17	707.5479	0.329183	0.219428	1.50019	0.133565	0.605909
708	ENSG000000067141.17	5447.565	-0.25227	0.168166	-1.5001	0.133588	0.605909
1885	ENSG000000102466.15	526.0461	-0.32579	0.217226	-1.49976	0.133675	0.605909
5377	ENSG000000141441.16	477.7023	-0.30432	0.202925	-1.49965	0.133705	0.605909
7830	ENSG000000168781.22	1695.198	-0.28997	0.193374	-1.49951	0.133742	0.605909
5327	ENSG000000140905.11	697.1188	0.326602	0.217875	1.49903	0.133866	0.605909
3298	ENSG000000117724.13	2044.617	0.26311	0.175536	1.498895	0.133901	0.605909
8336	ENSG000000173436.15	1093.896	0.251691	0.16793	1.498783	0.13393	0.605909
9407	ENSG000000185963.14	1044.247	-0.26941	0.179792	-1.49843	0.134022	0.605909
9054	ENSG000000182463.16	1611.124	-0.27269	0.181986	-1.49841	0.134027	0.605909
2420	ENSG000000107874.11	1783.431	0.240079	0.160227	1.498369	0.134037	0.605909
5297	ENSG000000140525.19	1657.46	-0.25207	0.168277	-1.49793	0.134152	0.606127
6217	ENSG000000152475.7	302.0159	0.422522	0.2821	1.497773	0.134192	0.606127
1691	ENSG000000100767.17	274.1739	0.480516	0.320914	1.497336	0.134306	0.606399
7069	ENSG000000163596.16	480.2184	-0.29942	0.20003	-1.49689	0.134423	0.606688
2942	ENSG000000114115.10	190.7417	0.479512	0.320414	1.496538	0.134514	0.606857
11040	ENSG000000261594.4	164.73	0.434754	0.290566	1.496235	0.134592	0.606972
1476	ENSG000000099194.6	153151.2	-0.23713	0.158561	-1.49552	0.134778	0.607379
6002	ENSG000000148950.11	295.0741	0.380537	0.254458	1.495479	0.134789	0.607379
5802	ENSG000000146066.3	1524.959	0.264346	0.176865	1.494623	0.135013	0.608146
9261	ENSG000000184634.16	2662.372	-0.23428	0.156773	-1.49438	0.135077	0.608194
9717	ENSG000000196505.11	349.6996	-0.34291	0.229544	-1.49388	0.135207	0.608539
7945	ENSG000000169718.18	4618.496	0.220466	0.14764	1.493267	0.135367	0.60902
2092	ENSG000000104728.16	244.4915	-0.48318	0.323946	-1.49155	0.135817	0.610347
2215	ENSG000000105619.13	705.875	0.303742	0.203675	1.491309	0.13588	0.610347
2223	ENSG000000105662.16	4506.921	0.248204	0.166437	1.491277	0.135889	0.610347
4254	ENSG000000130821.17	760.6028	0.277331	0.185986	1.491138	0.135925	0.610347
4579	ENSG000000134215.16	181.495	0.405455	0.271928	1.491039	0.135951	0.610347
956	ENSG000000076201.15	3852.002	0.254961	0.171038	1.490667	0.136049	0.610347
6771	ENSG000000160570.14	1596.281	0.266939	0.179084	1.490576	0.136073	0.610347
11114	ENSG000000268043.7	1597.938	-0.24614	0.165141	-1.49047	0.1361	0.610347
9766	ENSG000000196821.10	3975.252	-0.21965	0.147386	-1.4903	0.136145	0.610347
8754	ENSG000000178104.19	6472.596	-0.21312	0.143061	-1.48972	0.136297	0.610602
2359	ENSG000000107036.12	306.4877	-0.38314	0.257267	-1.48925	0.136421	0.610602
7672	ENSG000000167619.13	625.2421	0.282771	0.189877	1.489236	0.136425	0.610602
5781	ENSG000000145819.18	568.7596	0.3758	0.252368	1.489093	0.136463	0.610602
10796	ENSG000000244005.13	627.1972	-0.27794	0.186658	-1.48906	0.136473	0.610602
2279	ENSG000000106144.20	2857.654	-0.23158	0.155539	-1.48886	0.136523	0.610602
3073	ENSG000000115524.17	3946.413	0.236012	0.158568	1.488395	0.136647	0.610879

8872	ENSG00000179832.17	2445.171	0.265111	0.178139	1.48822	0.136693	0.610879
1757	ENSG00000101199.13	4403.728	0.259966	0.174735	1.487773	0.136811	0.611167
3731	ENSG00000124275.15	360.2717	-0.35569	0.239226	-1.48684	0.137058	0.612032
8566	ENSG00000175894.18	600.0329	0.308182	0.207373	1.486127	0.137246	0.612628
7477	ENSG00000166224.17	2042.302	-0.23495	0.15814	-1.4857	0.137358	0.612822
8500	ENSG00000175155.10	457.688	-0.33096	0.222783	-1.48556	0.137397	0.612822
4802	ENSG00000136044.12	1739.3	-0.23338	0.157154	-1.48502	0.137537	0.613209
7575	ENSG00000166908.18	1756.734	-0.23957	0.161375	-1.48454	0.137666	0.613544
334	ENSG00000030582.18	17388.4	0.240568	0.162087	1.484191	0.137758	0.613714
1564	ENSG00000100150.20	528.5651	-0.34778	0.234549	-1.48275	0.138141	0.614969
3586	ENSG00000122140.11	1618.284	0.244725	0.165071	1.48255	0.138194	0.614969
4438	ENSG00000132694.19	1970.547	-0.23631	0.159398	-1.48252	0.138202	0.614969
4582	ENSG00000134247.10	432.7513	-0.34785	0.234826	-1.48129	0.138529	0.616183
8262	ENSG00000172590.18	899.7914	0.25761	0.174184	1.478951	0.139153	0.61857
6708	ENSG00000160014.17	10009.16	0.210671	0.142454	1.478873	0.139174	0.61857
9192	ENSG00000183826.18	495.5835	-0.33658	0.227684	-1.47828	0.139332	0.619031
7533	ENSG00000166557.14	4980.22	0.227944	0.154276	1.477506	0.13954	0.619319
11382	ENSG00000287446.1	193.3089	-0.47564	0.321926	-1.47749	0.139545	0.619319
2171	ENSG00000105323.17	10248.43	-0.21794	0.147513	-1.47743	0.13956	0.619319
3429	ENSG00000119729.12	510.7829	-0.32056	0.217034	-1.477	0.139676	0.619591
5290	ENSG00000140463.14	323.4574	-0.35665	0.241505	-1.47679	0.139731	0.619595
3682	ENSG00000123584.7	331.194	0.416352	0.28204	1.476217	0.139886	0.619853
2511	ENSG00000108819.11	2246.977	0.257866	0.174702	1.476032	0.139935	0.619853
10049	ENSG00000198785.7	622.8241	-0.33295	0.225657	-1.47547	0.140085	0.619853
3160	ENSG00000116299.17	5731.621	-0.22408	0.151879	-1.47541	0.140102	0.619853
9206	ENSG00000183978.8	2465.198	0.22985	0.1558	1.47529	0.140134	0.619853
9238	ENSG00000184307.16	474.3901	-0.3196	0.216658	-1.47511	0.140183	0.619853
1334	ENSG00000090238.12	1168.604	0.265441	0.17997	1.474922	0.140234	0.619853
1588	ENSG00000100263.14	1553.834	0.295198	0.200156	1.474839	0.140256	0.619853
5277	ENSG00000140386.13	1021.585	-0.26035	0.176553	-1.47463	0.140312	0.619853
9404	ENSG00000185920.16	2654.888	-0.2338	0.158557	-1.47455	0.140334	0.619853
186	ENSG00000010810.17	1263.908	-0.30212	0.204985	-1.47387	0.140516	0.620415
1442	ENSG00000095321.17	2847.438	0.238803	0.162058	1.47356	0.1406	0.620548
1865	ENSG00000102181.21	2346.94	-0.23952	0.162582	-1.47322	0.140692	0.620714
4198	ENSG00000130517.14	2600.797	0.251578	0.170976	1.471423	0.141177	0.622143
6206	ENSG00000152291.14	6289.393	-0.2245	0.152581	-1.47135	0.141196	0.622143
137	ENSG00000007968.7	770.0751	0.272277	0.185057	1.471311	0.141207	0.622143
2498	ENSG00000108651.10	798.4826	-0.26442	0.179729	-1.47121	0.141235	0.622143
8926	ENSG00000180628.15	833.0072	0.266542	0.1812	1.470982	0.141296	0.622172
8777	ENSG00000178473.7	1933.869	0.2471	0.168034	1.470534	0.141417	0.622175
3633	ENSG00000122912.15	678.1993	-0.31896	0.216915	-1.47044	0.141443	0.622175
2649	ENSG00000110713.17	2397.805	-0.22463	0.152769	-1.47037	0.14146	0.622175
1767	ENSG00000101266.19	3756.029	-0.24841	0.168986	-1.47	0.14156	0.622374
10103	ENSG00000198918.8	2929.993	0.273667	0.186213	1.469643	0.141658	0.622422
1154	ENSG00000084444.14	637.7707	-0.29109	0.19809	-1.46947	0.141705	0.622422
9486	ENSG00000187118.14	175.9319	0.409874	0.278947	1.46936	0.141735	0.622422
2771	ENSG00000112062.11	1051.064	-0.27263	0.185657	-1.46848	0.141973	0.623151
2916	ENSG00000113716.13	2539.99	-0.24011	0.163524	-1.46834	0.142011	0.623151
4728	ENSG00000135482.7	445.3678	-0.29883	0.203588	-1.46783	0.142149	0.623176
979	ENSG00000077097.15	2304.699	0.227929	0.155284	1.467823	0.142152	0.623176
3925	ENSG00000126522.17	1275.706	0.256331	0.174646	1.467719	0.142181	0.623176
9271	ENSG00000184743.13	635.3589	0.328062	0.223568	1.467389	0.14227	0.623329

6380	ENSG00000155111.15	643.654	-0.2737	0.186619	-1.46662	0.142481	0.62401
3587	ENSG00000122203.15	1505.107	-0.24235	0.165365	-1.46552	0.14278	0.62508
8970	ENSG00000181284.3	435.0591	0.343489	0.234464	1.464997	0.142922	0.625231
7666	ENSG00000167578.18	864.4781	0.34888	0.238173	1.464816	0.142971	0.625231
1369	ENSG00000091136.14	5599.211	0.22229	0.151783	1.464522	0.143051	0.625231
7458	ENSG00000166135.14	2503.88	-0.26514	0.181056	-1.46443	0.143076	0.625231
6791	ENSG00000160766.14	345.7958	-0.32838	0.224305	-1.464	0.143194	0.625231
6501	ENSG00000156990.14	1159.161	0.265784	0.181558	1.463912	0.143218	0.625231
1013	ENSG00000078269.15	2982.602	-0.22334	0.15262	-1.4634	0.143358	0.625231
9958	ENSG00000198231.13	2215.641	-0.23264	0.158972	-1.46337	0.143365	0.625231
3443	ENSG00000119888.11	11738.09	0.210055	0.14355	1.463293	0.143387	0.625231
3636	ENSG00000122965.11	973.9973	-0.2702	0.184665	-1.46321	0.14341	0.625231
10238	ENSG00000204962.6	269.1276	-0.35446	0.242253	-1.46318	0.143418	0.625231
2542	ENSG00000109107.14	420.4858	-0.30463	0.208273	-1.46267	0.143558	0.625602
2470	ENSG00000108439.11	524.6336	-0.29609	0.202685	-1.46083	0.144062	0.627558
6697	ENSG00000159753.14	1147.333	0.32381	0.221757	1.460203	0.144234	0.628067
3715	ENSG00000124177.15	2349.076	0.231802	0.158813	1.459593	0.144402	0.628366
4422	ENSG00000132600.17	816.2273	-0.26594	0.182207	-1.45955	0.144413	0.628366
10021	ENSG00000198690.10	1094.846	-0.24581	0.168464	-1.45911	0.144535	0.628656
4169	ENSG00000130244.12	436.0304	0.351076	0.240668	1.458757	0.144632	0.628837
9046	ENSG00000182325.11	919.4222	0.291443	0.199859	1.458248	0.144772	0.629206
2706	ENSG00000111481.10	4445.598	-0.21897	0.150179	-1.45804	0.144828	0.62921
5405	ENSG00000141580.16	2004.774	-0.23158	0.158865	-1.45772	0.144917	0.629292
7235	ENSG00000164346.10	1712.692	0.265856	0.182396	1.457575	0.144958	0.629292
10601	ENSG00000230590.11	590.2461	-0.29	0.199016	-1.45719	0.145063	0.629509
9953	ENSG00000198185.11	776.61	-0.2735	0.187817	-1.45622	0.145331	0.629811
5340	ENSG00000140993.11	293.4807	-0.36511	0.250726	-1.4562	0.145336	0.629811
7013	ENSG00000163170.12	313.8247	0.391174	0.268633	1.456165	0.145347	0.629811
9968	ENSG00000198315.11	641.2423	-0.32267	0.221598	-1.4561	0.145365	0.629811
11380	ENSG00000287168.1	295.2328	0.354277	0.243379	1.455662	0.145486	0.629811
656	ENSG00000065526.12	3962.935	0.264889	0.18199	1.455516	0.145526	0.629811
7487	ENSG00000166272.18	639.0039	-0.2869	0.197168	-1.45511	0.145638	0.629811
2628	ENSG00000110330.8	497.1909	0.309765	0.212894	1.455017	0.145665	0.629811
11360	ENSG00000285589.1	698.3899	-0.32771	0.225257	-1.45484	0.145713	0.629811
2517	ENSG00000108840.15	2422.346	0.249485	0.171491	1.454802	0.145724	0.629811
9880	ENSG00000197724.11	2063.926	-0.22593	0.155326	-1.45455	0.145794	0.629811
7338	ENSG00000165219.22	1277.449	-0.2573	0.176898	-1.45451	0.145805	0.629811
9227	ENSG00000184216.14	10042.29	0.232351	0.159764	1.454342	0.145852	0.629811
4887	ENSG00000136802.12	2064.825	-0.23129	0.159111	-1.45363	0.146048	0.630373
1487	ENSG00000099330.9	567.172	0.322313	0.22176	1.453428	0.146105	0.630373
10244	ENSG00000205078.6	156.3233	0.473615	0.325902	1.453245	0.146156	0.630373
6327	ENSG00000154310.17	575.2272	-0.293	0.201642	-1.45307	0.146203	0.630373
2472	ENSG00000108465.15	3300.349	-0.24241	0.166854	-1.4528	0.14628	0.630464
9000	ENSG00000181830.9	1261.943	0.265178	0.182608	1.452174	0.146453	0.630973
10199	ENSG00000204469.13	19411.45	0.266364	0.183542	1.451241	0.146713	0.631297
4695	ENSG00000135272.12	496.6207	0.331929	0.228735	1.451151	0.146738	0.631297
1946	ENSG00000103091.15	1285.628	-0.24305	0.167504	-1.45103	0.14677	0.631297
6814	ENSG00000160993.4	799.2605	0.267601	0.184423	1.451017	0.146775	0.631297
8840	ENSG00000179241.13	418.0856	-0.31295	0.215696	-1.45091	0.146806	0.631297
5432	ENSG00000141956.14	341.4248	-0.3489	0.240509	-1.45067	0.146872	0.631344
617	ENSG00000064270.13	241.0635	-0.35643	0.245757	-1.45034	0.146963	0.631487
4523	ENSG00000133624.13	379.1517	-0.32047	0.220989	-1.45015	0.147016	0.631487

8827	ENSG00000179094.16	1983.384	0.306651	0.211522	1.449738	0.147132	0.631548
1599	ENSG00000100304.13	4580.185	0.239502	0.165213	1.449651	0.147156	0.631548
2600	ENSG00000110011.13	1186.342	0.254018	0.175245	1.449505	0.147197	0.631548
11285	ENSG00000278540.5	8031.421	-0.23457	0.161864	-1.44918	0.147287	0.631589
5266	ENSG00000140307.11	831.4255	0.29716	0.205069	1.449073	0.147317	0.631589
9201	ENSG00000183943.6	712.2211	0.291525	0.201287	1.448308	0.147531	0.632056
1412	ENSG00000092847.13	1773.878	-0.25544	0.176421	-1.44789	0.147649	0.632056
10172	ENSG00000204310.13	4773.429	0.261441	0.18057	1.447859	0.147657	0.632056
2414	ENSG00000107833.10	651.3465	0.282161	0.194885	1.447836	0.147663	0.632056
11235	ENSG00000275395.6	1339.911	0.284421	0.196465	1.44769	0.147704	0.632056
5114	ENSG00000138600.10	756.2068	-0.26617	0.183892	-1.44743	0.147777	0.632066
2642	ENSG00000110619.18	1311.581	-0.25073	0.173242	-1.44729	0.147817	0.632066
7301	ENSG00000164933.12	279.6062	0.365689	0.252749	1.446845	0.14794	0.632304
8120	ENSG00000171206.15	1521.316	0.232591	0.160784	1.446605	0.148008	0.632304
7161	ENSG00000164032.12	4115.104	0.230901	0.159653	1.446267	0.148102	0.632304
10875	ENSG00000250571.7	447.8989	0.368762	0.255011	1.446063	0.14816	0.632304
10696	ENSG00000237973.1	66528.61	0.216364	0.149629	1.446002	0.148177	0.632304
10186	ENSG00000204388.7	3994.174	-0.22504	0.155641	-1.4459	0.148206	0.632304
3635	ENSG00000122958.15	592.5127	0.335026	0.231741	1.44569	0.148264	0.632316
5049	ENSG00000138031.14	656.0363	-0.29187	0.201939	-1.44535	0.14836	0.632336
1327	ENSG00000090006.18	1614.957	0.308402	0.213386	1.445278	0.14838	0.632336
7794	ENSG00000168439.17	5252.91	-0.23039	0.159437	-1.445	0.148459	0.632366
3706	ENSG00000124104.19	1006.454	0.285603	0.197679	1.444783	0.148519	0.632366
166	ENSG00000009780.16	202.0134	-0.38851	0.268942	-1.4446	0.14857	0.632366
8047	ENSG00000170581.14	1191.257	-0.26686	0.184764	-1.44433	0.148647	0.632366
5842	ENSG00000146701.12	4100.479	0.21833	0.151179	1.444186	0.148687	0.632366
10091	ENSG00000198892.7	178.1793	0.477499	0.330663	1.444067	0.14872	0.632366
6073	ENSG00000149926.13	455.7297	0.31873	0.220802	1.443512	0.148876	0.632569
7356	ENSG00000165338.16	706.3947	-0.29424	0.203841	-1.4435	0.148879	0.632569
10229	ENSG00000204859.13	1046.149	0.272001	0.188538	1.442685	0.149109	0.632824
9027	ENSG00000182158.15	3225.824	-0.21782	0.150993	-1.44259	0.149135	0.632824
1406	ENSG00000092445.12	258.4897	0.434766	0.301387	1.442553	0.149146	0.632824
4853	ENSG00000136478.8	1977.58	-0.24709	0.171294	-1.4425	0.149161	0.632824
9817	ENSG00000197150.12	2025.302	0.277456	0.192378	1.442244	0.149234	0.632895
5816	ENSG00000146247.14	1976.614	0.237051	0.164433	1.441621	0.149409	0.633404
5998	ENSG00000148843.15	1708.95	-0.25815	0.1791	-1.44139	0.149475	0.633441
9415	ENSG00000186073.14	251.5965	-0.35519	0.246453	-1.4412	0.149529	0.633441
3318	ENSG00000118197.14	219.9499	-0.37873	0.263272	-1.43854	0.150281	0.636389
6038	ENSG00000149428.19	14669.71	-0.2056	0.142948	-1.4383	0.150348	0.636437
1319	ENSG00000089693.10	7589.675	0.235552	0.163884	1.43731	0.15063	0.636926
2824	ENSG00000112584.14	773.5259	-0.29507	0.205307	-1.43719	0.150664	0.636926
7027	ENSG00000163348.4	5792.007	0.242188	0.168542	1.436963	0.150728	0.636926
1856	ENSG00000102100.16	2239.227	0.246505	0.171551	1.436922	0.15074	0.636926
7017	ENSG00000163249.13	498.3758	0.291752	0.203052	1.436834	0.150765	0.636926
697	ENSG00000066777.9	857.0385	0.293482	0.204337	1.436266	0.150927	0.636926
11171	ENSG00000272414.6	156.6566	-0.41632	0.289891	-1.43614	0.150963	0.636926
8067	ENSG00000170776.22	1342.189	0.304104	0.211773	1.435993	0.151004	0.636926
8045	ENSG00000170571.12	2932.964	-0.23599	0.164375	-1.43571	0.151084	0.636926
274	ENSG00000019505.8	4556.885	-0.21939	0.15282	-1.43559	0.151119	0.636926
2050	ENSG00000104320.14	460.6424	0.340427	0.237137	1.435573	0.151124	0.636926
1125	ENSG00000083290.20	474.2093	-0.3414	0.237821	-1.43553	0.151135	0.636926
5380	ENSG00000141456.16	5774.765	0.285507	0.19899	1.43478	0.15135	0.637595

8799	ENSG00000178814.17	434.5921	0.299319	0.208771	1.433724	0.151651	0.638178
7228	ENSG00000164323.14	380.4196	0.365266	0.254788	1.433609	0.151684	0.638178
1536	ENSG00000100028.12	2270.772	-0.27175	0.189643	-1.43297	0.151868	0.638178
4194	ENSG00000130477.15	7162.729	-0.24619	0.171811	-1.43294	0.151876	0.638178
10552	ENSG00000226200.7	218.5583	-0.37178	0.259474	-1.43284	0.151904	0.638178
6294	ENSG00000153885.14	358.1676	0.32352	0.225858	1.432404	0.152028	0.638178
10114	ENSG00000198938.2	113685.2	0.211943	0.147986	1.432186	0.15209	0.638178
6891	ENSG00000162194.12	246.4969	-0.35928	0.250877	-1.43211	0.152112	0.638178
6956	ENSG00000162769.13	1417.601	-0.24001	0.167601	-1.43205	0.15213	0.638178
2313	ENSG00000106479.11	616.096	-0.29116	0.203318	-1.43203	0.152135	0.638178
8590	ENSG00000176182.6	765.9057	0.304349	0.21254	1.431957	0.152156	0.638178
7492	ENSG00000166313.19	3548.21	0.233429	0.163016	1.431941	0.152161	0.638178
6843	ENSG00000161526.15	1314.402	-0.25237	0.176328	-1.43125	0.15236	0.638777
139	ENSG00000008056.14	7582.383	0.27393	0.191508	1.430381	0.152608	0.639112
5667	ENSG00000144406.19	1525.545	-0.255	0.178303	-1.43018	0.152666	0.639112
4228	ENSG00000130723.20	11982.53	-0.20483	0.143267	-1.42971	0.1528	0.639112
1427	ENSG00000094631.21	5508.733	-0.22979	0.160743	-1.42956	0.152842	0.639112
8190	ENSG00000171827.11	222.2784	-0.38298	0.267909	-1.42952	0.152854	0.639112
4863	ENSG00000136541.15	463.7987	-0.39858	0.278823	-1.42949	0.152862	0.639112
3210	ENSG00000116857.17	4540.842	0.236116	0.16519	1.429364	0.1529	0.639112
2124	ENSG00000104946.13	3388.844	0.264724	0.18522	1.42924	0.152935	0.639112
4717	ENSG00000135424.18	664.1959	0.335789	0.234948	1.429207	0.152945	0.639112
3454	ENSG00000119977.21	976.3974	-0.24362	0.17054	-1.42849	0.15315	0.639636
8950	ENSG00000180998.12	281.6203	-0.33315	0.233238	-1.42838	0.153182	0.639636
9658	ENSG00000196155.13	184.8624	0.445779	0.312238	1.427689	0.153381	0.640017
9105	ENSG00000182957.16	1455.921	-0.25635	0.179559	-1.42767	0.153386	0.640017
6820	ENSG00000161021.13	1710.866	-0.22664	0.158819	-1.427	0.15358	0.640591
2798	ENSG00000112290.13	1993.305	0.244509	0.17138	1.42671	0.153663	0.640705
703	ENSG00000067048.17	939.7401	-0.28786	0.201822	-1.42632	0.153775	0.640935
3591	ENSG00000122335.17	517.4348	-0.30208	0.211843	-1.42595	0.153884	0.640993
5504	ENSG00000143033.18	610.7683	0.285585	0.200308	1.425724	0.153948	0.640993
1490	ENSG00000099364.17	1927.52	0.287149	0.20141	1.425691	0.153958	0.640993
147	ENSG00000008294.21	1656.304	-0.25117	0.176197	-1.42548	0.154018	0.64101
9966	ENSG00000198300.14	1415.123	-0.23534	0.165151	-1.425	0.154158	0.641259
8875	ENSG00000179862.7	254.6218	0.391261	0.274621	1.42473	0.154235	0.641259
2755	ENSG00000111859.17	462.6746	-0.30475	0.21395	-1.42441	0.154328	0.641259
8026	ENSG00000170385.10	290.058	1.618784	1.136494	1.424367	0.15434	0.641259
10070	ENSG00000198839.10	303.5521	0.374253	0.262813	1.424027	0.154439	0.641259
10643	ENSG00000234420.7	805.8777	-0.28108	0.197393	-1.42396	0.154459	0.641259
309	ENSG00000025293.17	1223.764	0.261319	0.183522	1.423912	0.154472	0.641259
344	ENSG00000033030.15	620.3996	-0.27416	0.192587	-1.42356	0.154574	0.64145
6296	ENSG00000153904.21	1969.868	-0.22678	0.159344	-1.42323	0.15467	0.641578
282	ENSG00000021300.14	5851.338	-0.21543	0.151388	-1.42302	0.154731	0.641578
7426	ENSG00000165861.14	774.3244	-0.27616	0.194083	-1.42287	0.154774	0.641578
1388	ENSG00000091972.18	991.26	-0.24592	0.1729	-1.42234	0.154928	0.641872
873	ENSG00000073008.15	2861.618	-0.21634	0.152128	-1.42206	0.15501	0.641872
10175	ENSG00000204335.4	156.3998	-0.46027	0.323667	-1.42204	0.155014	0.641872
3224	ENSG00000116991.11	519.1246	-0.30137	0.212011	-1.4215	0.155172	0.642291
4130	ENSG00000129636.13	1800.294	0.252668	0.17785	1.420685	0.155408	0.643036
5929	ENSG00000147883.12	1249.384	-0.26056	0.183481	-1.42009	0.155582	0.64352
1574	ENSG00000100219.16	9227.993	-0.20428	0.143911	-1.41947	0.155763	0.643723
6113	ENSG00000151067.22	2969.365	-0.23165	0.163203	-1.41937	0.155792	0.643723

5660	ENSG00000144339.12	182.1506	0.444277	0.313017	1.419338	0.155801	0.643723
10926	ENSG00000255182.2	179.3857	-0.40918	0.288363	-1.41899	0.155901	0.643905
5262	ENSG00000140265.12	687.7588	-0.27148	0.191387	-1.41849	0.156047	0.644093
10497	ENSG00000221988.13	1792.861	0.267149	0.188339	1.418449	0.15606	0.644093
7339	ENSG00000165233.18	451.1861	0.31319	0.220888	1.417866	0.15623	0.64438
1828	ENSG00000101846.8	561.0592	-0.28495	0.200978	-1.41782	0.156242	0.64438
4644	ENSG00000134815.19	1682.973	0.264584	0.186704	1.417135	0.156444	0.644971
3187	ENSG00000116667.15	982.8669	0.264613	0.186749	1.416945	0.156499	0.644971
945	ENSG00000075790.11	565.8243	0.304372	0.214873	1.416523	0.156622	0.644971
6176	ENSG00000151883.19	436.9409	-0.32419	0.228876	-1.41644	0.156647	0.644971
631	ENSG00000064932.16	933.2776	0.28038	0.197958	1.416364	0.156669	0.644971
10672	ENSG00000236104.3	596.396	0.292275	0.206404	1.416033	0.156766	0.645136
7984	ENSG00000169994.18	901.1568	0.300251	0.2121	1.41561	0.15689	0.645413
7995	ENSG00000170099.6	341.1448	-0.31079	0.219656	-1.41489	0.157101	0.645894
2012	ENSG00000103653.16	3543.821	0.224136	0.158437	1.414666	0.157166	0.645894
8597	ENSG00000176293.20	289.168	-0.33271	0.235195	-1.41463	0.157177	0.645894
7676	ENSG00000167642.13	15706.91	0.246235	0.174091	1.414403	0.157244	0.645935
8936	ENSG00000180817.12	1751.281	0.244938	0.173234	1.413914	0.157387	0.64615
6539	ENSG00000157542.11	1102.52	-0.23971	0.169569	-1.41363	0.15747	0.64615
752	ENSG00000068650.18	2929.117	-0.233	0.164825	-1.4136	0.157479	0.64615
9948	ENSG00000198168.9	1249.485	0.260868	0.184561	1.413452	0.157523	0.64615
8647	ENSG00000176974.20	1089.03	-0.23945	0.169505	-1.41264	0.157761	0.646359
9421	ENSG00000186153.17	656.093	0.264868	0.187506	1.412586	0.157778	0.646359
6430	ENSG00000155975.10	1177.299	-0.23788	0.168405	-1.41257	0.157781	0.646359
10044	ENSG00000198755.11	5610.076	0.215299	0.152432	1.412423	0.157825	0.646359
11350	ENSG00000284981.1	497.5172	-0.34253	0.242539	-1.41227	0.157872	0.646359
3743	ENSG00000124444.16	369.6694	0.314805	0.222983	1.411786	0.158013	0.646359
4998	ENSG00000137563.12	1129.528	0.286063	0.202655	1.411572	0.158076	0.646359
9485	ENSG00000187109.15	6799.318	0.210019	0.148811	1.411308	0.158154	0.646359
5924	ENSG00000147852.16	2741.042	-0.21541	0.152641	-1.41119	0.158189	0.646359
5583	ENSG00000143569.19	7794.676	-0.20558	0.145704	-1.41093	0.158266	0.646359
3194	ENSG00000116698.21	3145.612	-0.22951	0.16267	-1.41088	0.158281	0.646359
2218	ENSG00000105643.10	257.5852	-0.34498	0.244539	-1.41073	0.158324	0.646359
6896	ENSG00000162241.12	259.0963	0.395037	0.280045	1.410617	0.158357	0.646359
7529	ENSG00000166526.18	1528.48	-0.22833	0.161871	-1.41058	0.158369	0.646359
6572	ENSG00000158006.14	383.5062	-0.30996	0.219843	-1.40989	0.158571	0.646953
573	ENSG00000060709.15	4085.952	-0.21385	0.151772	-1.40905	0.158822	0.647699
5804	ENSG00000146072.6	1390.398	-0.23611	0.167604	-1.40873	0.158915	0.647699
719	ENSG00000067445.21	1845.188	-0.26688	0.189462	-1.40862	0.158947	0.647699
386	ENSG00000039068.19	3104.721	-0.22856	0.162274	-1.40851	0.158981	0.647699
7004	ENSG00000163125.15	2473.162	-0.21714	0.154225	-1.40794	0.159149	0.648149
2508	ENSG00000108788.11	976.8423	-0.24655	0.175207	-1.40722	0.159363	0.648791
3452	ENSG00000119953.14	422.2216	0.291088	0.206895	1.406936	0.159446	0.648898
9738	ENSG00000196642.19	11306.93	0.212606	0.151181	1.406295	0.159636	0.649439
10334	ENSG00000213225.7	283.3228	0.349269	0.24844	1.405848	0.159769	0.649617
7796	ENSG00000168481.9	360.4976	0.342555	0.243679	1.405764	0.159794	0.649617
3776	ENSG00000124795.17	4754.04	0.217679	0.1549	1.405288	0.159936	0.649959
312	ENSG00000025772.8	2376.34	-0.21465	0.152823	-1.40454	0.160159	0.650635
3903	ENSG00000126217.21	3841.912	-0.20698	0.147409	-1.4041	0.160288	0.650929
3197	ENSG00000116729.14	3227.202	-0.21862	0.155768	-1.4035	0.160468	0.651301
10925	ENSG00000255152.8	253.9848	-0.38163	0.271933	-1.40341	0.160494	0.651301
5457	ENSG00000142330.20	1446.361	0.271129	0.193288	1.402721	0.1607	0.651855

5561	ENSG00000143434.16	366.7644	0.38403	0.273873	1.402217	0.160851	0.651855
7773	ENSG00000168280.17	4062.196	-0.20911	0.149132	-1.40221	0.160854	0.651855
5563	ENSG00000143437.21	1066.594	-0.2552	0.181999	-1.40219	0.16086	0.651855
3284	ENSG00000117614.10	704.1618	0.263718	0.188123	1.401838	0.160964	0.651981
5748	ENSG00000145362.20	580.7242	-0.30022	0.214272	-1.40112	0.161178	0.651981
2236	ENSG00000105726.17	7766.643	0.258689	0.184645	1.401011	0.161211	0.651981
8078	ENSG00000170860.4	859.4719	0.283053	0.202038	1.400992	0.161217	0.651981
6699	ENSG00000159784.18	359.566	0.309623	0.221007	1.400962	0.161225	0.651981
5631	ENSG00000143970.17	828.6693	-0.25991	0.185527	-1.40093	0.161235	0.651981
11206	ENSG00000273706.5	236.821	-0.50925	0.363811	-1.39977	0.161581	0.65315
8711	ENSG00000177663.14	307.3985	0.318708	0.22772	1.399559	0.161645	0.653178
5324	ENSG00000140848.17	468.546	0.297335	0.212547	1.398914	0.161839	0.653728
1573	ENSG00000100216.6	1055.986	0.276919	0.198043	1.398273	0.162031	0.654272
10084	ENSG00000198876.13	2171.837	-0.23159	0.165686	-1.39776	0.162187	0.654516
5937	ENSG00000148082.10	372.8599	-0.33311	0.238329	-1.39769	0.162206	0.654516
7603	ENSG00000167113.11	2241.55	0.246041	0.176078	1.39734	0.162311	0.654708
8668	ENSG00000177150.13	213.6041	-0.3574	0.255835	-1.397	0.162412	0.654849
10043	ENSG00000198752.11	5257.432	-0.21622	0.154814	-1.39665	0.162519	0.654849
10368	ENSG00000213689.14	339.9073	0.325802	0.233274	1.39665	0.162519	0.654849
490	ENSG00000052841.15	1176.778	-0.23901	0.171274	-1.39548	0.162872	0.656041
9682	ENSG00000196352.16	280.8006	-0.34724	0.249011	-1.39448	0.163172	0.657016
413	ENSG00000043143.20	695.5261	-0.28152	0.201929	-1.39416	0.16327	0.657179
5092	ENSG00000138386.17	691.8811	-0.26413	0.189504	-1.3938	0.163377	0.657374
6032	ENSG00000149311.19	1234.78	-0.24921	0.178893	-1.39309	0.163592	0.657374
7739	ENSG00000168032.10	282.2185	-0.36016	0.25857	-1.39287	0.163659	0.657374
6583	ENSG00000158158.12	655.0254	-0.26424	0.189731	-1.3927	0.16371	0.657374
1968	ENSG00000103248.19	352.2609	-0.30472	0.218852	-1.39234	0.163819	0.657374
820	ENSG00000071082.11	5813.098	0.20986	0.150725	1.392338	0.16382	0.657374
4132	ENSG00000129657.16	2269.734	-0.21919	0.15744	-1.39219	0.163864	0.657374
5679	ENSG00000144560.15	798.8317	-0.25967	0.186524	-1.39217	0.163871	0.657374
915	ENSG00000074964.17	2835.693	0.215199	0.1546	1.391972	0.163931	0.657374
8451	ENSG00000174672.16	2769.396	0.211887	0.152226	1.391922	0.163946	0.657374
8109	ENSG00000171135.15	928.1653	0.250887	0.180281	1.391646	0.16403	0.657374
8533	ENSG00000175455.16	1191.601	-0.25388	0.182446	-1.39156	0.164055	0.657374
3010	ENSG00000114982.19	1999.572	-0.23939	0.172032	-1.39152	0.164069	0.657374
3693	ENSG00000123810.9	177.1335	0.387981	0.278922	1.391002	0.164225	0.657626
7596	ENSG00000167074.15	545.5309	-0.30424	0.218729	-1.39093	0.164248	0.657626
6276	ENSG00000153443.13	2013.801	0.252223	0.18138	1.390584	0.164352	0.657811
6685	ENSG00000159592.11	1092.201	0.251541	0.181103	1.388937	0.164852	0.659056
6021	ENSG00000149256.16	492.1411	-0.3316	0.238754	-1.3889	0.164865	0.659056
8468	ENSG00000174839.13	579.0012	-0.29533	0.212648	-1.38884	0.164881	0.659056
11279	ENSG00000278259.4	2431.098	-0.21232	0.1529	-1.38863	0.164946	0.659056
5221	ENSG00000139644.13	15240.5	-0.20257	0.145927	-1.38816	0.165089	0.659056
9680	ENSG00000196323.14	902.0333	-0.25478	0.183576	-1.38788	0.165173	0.659056
9609	ENSG00000188895.12	2940.772	-0.20943	0.150911	-1.38774	0.165216	0.659056
6479	ENSG00000156697.13	385.181	-0.30351	0.21874	-1.38753	0.165281	0.659056
3910	ENSG00000126254.12	2670.547	0.245408	0.176867	1.387525	0.165282	0.659056
6844	ENSG00000161533.12	698.1995	-0.29269	0.210951	-1.38749	0.165294	0.659056
5228	ENSG00000139718.10	1240.583	0.25673	0.185035	1.387467	0.165299	0.659056
2509	ENSG00000108797.12	608.944	-0.27931	0.201377	-1.38698	0.165449	0.659422
1133	ENSG00000083642.19	884.6375	0.250713	0.180845	1.386343	0.165642	0.65996
1170	ENSG00000085185.15	584.5793	0.285518	0.206047	1.385694	0.16584	0.660301

3707	ENSG00000124120.11	804.1517	-0.25471	0.183814	-1.38568	0.165843	0.660301
4052	ENSG00000128594.8	192.2511	-0.47804	0.345113	-1.38517	0.165999	0.660691
11144	ENSG00000270136.6	166.3286	0.419465	0.302899	1.384838	0.166102	0.660868
6767	ENSG00000160469.17	418.6576	-0.32064	0.231705	-1.38382	0.166412	0.661871
7506	ENSG00000166402.9	487.147	-0.28625	0.206949	-1.38319	0.166607	0.662027
7916	ENSG00000169436.17	647.7273	-0.28087	0.203105	-1.3829	0.166695	0.662027
4551	ENSG00000133958.13	1293.376	-0.23738	0.171657	-1.38285	0.166711	0.662027
3124	ENSG00000116017.11	5184.68	0.206576	0.149387	1.382826	0.166718	0.662027
352	ENSG00000033867.16	302.2921	0.358362	0.259203	1.382555	0.166801	0.662027
10964	ENSG00000257702.3	200.6411	0.376332	0.272224	1.382432	0.166839	0.662027
569	ENSG00000060491.16	3081.038	0.241736	0.174871	1.382369	0.166859	0.662027
5734	ENSG00000145217.14	338.0318	0.333541	0.241326	1.382118	0.166935	0.662102
9775	ENSG00000196912.12	242.0114	0.484715	0.350897	1.38136	0.167168	0.662455
8408	ENSG00000174173.7	381.62	0.357483	0.258857	1.381003	0.167278	0.662455
7910	ENSG00000169379.16	260.6571	0.332637	0.240871	1.38098	0.167285	0.662455
9806	ENSG00000197081.15	7410.493	-0.21634	0.156714	-1.38049	0.167437	0.662455
4707	ENSG00000135365.16	1038.453	-0.23298	0.16879	-1.3803	0.167493	0.662455
5185	ENSG00000139269.3	197.2774	-0.42638	0.308925	-1.38022	0.16752	0.662455
7600	ENSG00000167106.12	2859.879	0.283528	0.205443	1.380081	0.167562	0.662455
10698	ENSG00000238035.8	164.1485	-0.40091	0.290529	-1.37992	0.167611	0.662455
8435	ENSG00000174482.10	357.4559	-0.30122	0.218296	-1.37988	0.167624	0.662455
8862	ENSG00000179546.4	410.6782	-0.28775	0.208546	-1.37981	0.167646	0.662455
8964	ENSG00000181192.12	523.0127	-0.28524	0.206765	-1.37955	0.167726	0.662455
9064	ENSG00000182551.14	1483.758	0.237807	0.172444	1.379041	0.167882	0.662455
6373	ENSG00000155085.15	309.9749	-0.31782	0.230473	-1.379	0.167894	0.662455
7991	ENSG00000170044.8	428.2126	-0.31157	0.225947	-1.37896	0.167906	0.662455
6671	ENSG00000159346.13	3263.066	-0.21455	0.155604	-1.37884	0.167944	0.662455
3761	ENSG00000124615.20	596.8765	-0.26993	0.195794	-1.37865	0.168002	0.662455
1755	ENSG00000101193.8	3195.482	-0.2051	0.148771	-1.37861	0.168013	0.662455
6909	ENSG00000162390.17	235.7337	0.34839	0.252844	1.377889	0.168238	0.662585
8457	ENSG00000174721.10	158.9113	0.408346	0.29639	1.377732	0.168286	0.662585
11247	ENSG00000276291.5	249.8411	0.349728	0.25385	1.377698	0.168297	0.662585
8204	ENSG00000171953.16	627.4634	-0.25867	0.187769	-1.37762	0.168321	0.662585
2197	ENSG00000105486.14	2285.568	-0.21392	0.155293	-1.37755	0.168341	0.662585
3980	ENSG00000127483.19	3983.089	-0.22838	0.165807	-1.37738	0.168396	0.662585
9024	ENSG00000182149.21	2682.972	-0.22534	0.163635	-1.3771	0.168481	0.66269
3847	ENSG00000125812.16	706.6879	-0.2895	0.210337	-1.37636	0.168711	0.663367
3868	ENSG00000125870.11	1539.441	0.245637	0.17851	1.376037	0.16881	0.663529
7416	ENSG00000165782.11	2523.129	0.229233	0.166646	1.375564	0.168957	0.663875
5543	ENSG00000143344.16	603.7251	-0.29305	0.213103	-1.37515	0.169084	0.663926
3542	ENSG00000121390.19	1003.5	0.236906	0.172314	1.37485	0.169178	0.663926
8345	ENSG00000173486.14	1715.675	0.227134	0.165214	1.374787	0.169198	0.663926
6386	ENSG00000155254.13	1555.011	0.227117	0.165223	1.374608	0.169253	0.663926
9376	ENSG00000185684.15	356.442	-0.33651	0.244861	-1.37429	0.169353	0.663926
4578	ENSG00000134202.11	1131.352	0.257738	0.187594	1.373909	0.16947	0.663926
4075	ENSG00000128908.17	755.4757	-0.25259	0.183854	-1.37384	0.169492	0.663926
5307	ENSG00000140577.16	2261.967	-0.21527	0.156692	-1.37383	0.169494	0.663926
11120	ENSG00000268575.1	371.4611	-0.30431	0.221505	-1.37382	0.169497	0.663926
6669	ENSG00000159322.17	698.1782	-0.26059	0.189712	-1.37359	0.169569	0.663926
10753	ENSG00000241878.11	1199.323	-0.2304	0.167755	-1.37345	0.169611	0.663926
9976	ENSG00000198373.12	1129.118	-0.24266	0.176702	-1.37325	0.169674	0.663943
6109	ENSG00000150995.19	317.3512	-0.30705	0.223643	-1.37296	0.169764	0.663944

8294	ENSG00000172936.16	510.1841	-0.28256	0.205818	-1.37288	0.16979	0.663944
4079	ENSG00000128928.10	1566.112	-0.23708	0.172723	-1.37262	0.16987	0.664026
7652	ENSG00000167515.10	1737.961	0.223927	0.163261	1.371589	0.170191	0.665036
4182	ENSG00000130338.13	787.4816	-0.29391	0.214322	-1.37137	0.17026	0.665036
10850	ENSG00000248810.2	1046.626	-0.23273	0.169725	-1.37123	0.170303	0.665036
10377	ENSG00000213853.10	3113.249	0.205306	0.149772	1.370791	0.17044	0.665342
5642	ENSG00000144043.12	5241.388	-0.20545	0.149918	-1.37044	0.170549	0.665538
11156	ENSG00000271383.7	179.2383	-0.39697	0.289728	-1.37014	0.170643	0.665679
3409	ENSG00000119638.13	1975.084	-0.22658	0.16543	-1.36965	0.170795	0.665929
6427	ENSG00000155959.12	1055.258	0.242917	0.177369	1.369559	0.170824	0.665929
2095	ENSG00000104756.16	253.415	-0.34757	0.253915	-1.36886	0.171044	0.666229
1562	ENSG00000100139.13	944.7522	0.290151	0.211985	1.368737	0.171082	0.666229
4587	ENSG00000134262.13	313.1204	-0.30911	0.225849	-1.36864	0.171111	0.666229
10276	ENSG00000205609.13	209.3808	-2.95027	2.15574	-1.36856	0.171136	0.666229
10099	ENSG00000198910.14	850.5068	0.240516	0.175803	1.368105	0.171279	0.66656
10024	ENSG00000198700.10	4283.049	-0.21527	0.157391	-1.36773	0.171395	0.666785
7116	ENSG00000163820.15	595.3704	-0.30196	0.220867	-1.36718	0.171569	0.666802
5133	ENSG00000138688.15	972.2379	-0.23479	0.17174	-1.36712	0.171589	0.666802
3567	ENSG00000121864.10	646.3244	0.253966	0.185783	1.367008	0.171623	0.666802
4948	ENSG00000137154.13	13896.8	0.204744	0.149779	1.366972	0.171634	0.666802
4790	ENSG00000135953.11	506.953	0.276526	0.202383	1.366352	0.171829	0.667155
863	ENSG00000072736.19	2414.398	-0.20784	0.152115	-1.36631	0.171842	0.667155
185	ENSG00000010803.16	1928.666	-0.2281	0.167016	-1.36572	0.172026	0.667526
4558	ENSG00000134014.17	700.66	-0.2743	0.200882	-1.36549	0.172099	0.667526
6341	ENSG00000154548.9	185.9119	-0.38829	0.284366	-1.36544	0.172114	0.667526
6089	ENSG00000150593.18	783.7461	0.26627	0.19505	1.365135	0.172211	0.667676
4249	ENSG00000130810.20	1086.525	0.245067	0.179731	1.363521	0.172718	0.669416
5423	ENSG00000141756.19	648.6825	0.281439	0.20648	1.363033	0.172872	0.669784
6857	ENSG00000161800.13	1375.313	-0.2336	0.171432	-1.36264	0.172996	0.670035
3018	ENSG00000115084.15	2004.921	-0.22278	0.163511	-1.36245	0.173056	0.670039
1036	ENSG00000079308.19	225.7546	0.370725	0.272282	1.361546	0.173341	0.670897
788	ENSG00000070159.14	2941.283	-0.22754	0.16714	-1.36138	0.173395	0.670897
4353	ENSG00000131899.11	6561.15	0.230826	0.16958	1.361165	0.173461	0.670926
2325	ENSG00000106609.16	1518.388	-0.23404	0.172025	-1.3605	0.173671	0.671507
591	ENSG00000062598.18	3528.186	-0.2149	0.157987	-1.36023	0.173758	0.671618
2522	ENSG00000108883.13	2357.578	-0.22289	0.16389	-1.36	0.17383	0.671668
7480	ENSG00000166228.9	5140.903	0.200336	0.147357	1.359533	0.173978	0.671696
11284	ENSG00000278535.5	734.8063	0.252635	0.185852	1.359336	0.17404	0.671696
9454	ENSG00000186591.13	2469.805	-0.20957	0.154181	-1.35924	0.174071	0.671696
5899	ENSG00000147475.17	661.5329	-0.27536	0.202614	-1.35904	0.174134	0.671696
3939	ENSG00000126756.12	1882.639	0.221898	0.1633	1.358836	0.174199	0.671696
5853	ENSG00000146834.14	2983.206	0.241486	0.177726	1.358757	0.174223	0.671696
9556	ENSG00000188229.6	10205.26	0.200173	0.14733	1.358672	0.174251	0.671696
9856	ENSG00000197483.10	823.3321	0.363466	0.267697	1.357752	0.174542	0.672317
9594	ENSG00000188725.8	1082.854	0.251029	0.184909	1.357584	0.174596	0.672317
9095	ENSG00000182899.17	3347.667	0.223306	0.164516	1.357348	0.174671	0.672317
5535	ENSG00000143303.12	1792.717	0.253844	0.187026	1.357268	0.174696	0.672317
8090	ENSG00000170921.15	1079.211	-0.28166	0.207528	-1.35723	0.174707	0.672317
8364	ENSG00000173674.11	3102.04	0.25899	0.190856	1.356994	0.174783	0.672383
10111	ENSG00000198933.9	321.6247	0.316098	0.23308	1.356178	0.175043	0.673154
2365	ENSG00000107164.16	1469.652	-0.22446	0.165598	-1.35546	0.175272	0.673589
1294	ENSG00000089053.13	2627.442	-0.22362	0.164981	-1.35543	0.175281	0.673589

10604	ENSG00000230844.3	383.5198	-0.28957	0.213687	-1.35509	0.175389	0.673589
10469	ENSG00000217555.13	662.0055	0.279685	0.206398	1.355079	0.175392	0.673589
2005	ENSG00000103544.15	1370.26	-0.22385	0.165242	-1.35467	0.175521	0.673857
10019	ENSG00000198682.13	1439.551	-0.26983	0.199227	-1.35439	0.175611	0.673974
9719	ENSG00000196510.12	1652.909	-0.21655	0.159955	-1.35381	0.175797	0.674461
4568	ENSG00000134107.5	518.6592	-0.30129	0.222756	-1.35254	0.176202	0.675787
6534	ENSG00000157483.9	821.8919	-0.24368	0.180257	-1.35185	0.176422	0.676403
8324	ENSG00000173258.13	380.5374	-0.32466	0.240207	-1.35159	0.176507	0.676502
7859	ENSG00000168993.15	4253.913	0.230221	0.170408	1.350998	0.176696	0.676753
9870	ENSG00000197608.11	262.203	-0.36023	0.266687	-1.35077	0.176769	0.676753
11269	ENSG00000277586.4	221.7972	0.475621	0.352153	1.35061	0.17682	0.676753
9667	ENSG00000196230.13	38648.37	-0.18827	0.139415	-1.35042	0.17688	0.676753
8886	ENSG00000179950.14	4255.214	0.223575	0.165562	1.350399	0.176888	0.676753
6404	ENSG00000155506.18	10116.14	-0.19277	0.142789	-1.35002	0.17701	0.676753
7035	ENSG00000163399.16	16169.93	-0.21672	0.160539	-1.34995	0.177033	0.676753
5172	ENSG00000139168.8	771.9473	0.249463	0.184801	1.3499	0.177048	0.676753
2064	ENSG00000104408.10	2521.293	0.24909	0.184618	1.349215	0.177268	0.67721
3084	ENSG00000115657.14	2298.389	0.21765	0.161338	1.349036	0.177325	0.67721
5591	ENSG00000143624.14	4517.447	-0.20948	0.155289	-1.34897	0.177346	0.67721
8521	ENSG00000175311.7	1548.445	-0.22083	0.163794	-1.34822	0.177586	0.6779
503	ENSG00000054277.14	278.0751	-0.31987	0.237298	-1.34795	0.177674	0.678008
4541	ENSG00000133816.16	568.1069	-0.26689	0.198079	-1.34739	0.177854	0.678398
5551	ENSG00000143376.14	1327.935	-0.23209	0.172267	-1.34726	0.177895	0.678398
10606	ENSG00000231074.9	904.6492	-0.25675	0.190683	-1.34646	0.178154	0.679067
8125	ENSG00000171224.9	545.7744	0.274151	0.203626	1.346348	0.17819	0.679067
5400	ENSG00000141568.21	3520.753	-0.20596	0.153031	-1.3459	0.178333	0.679236
4626	ENSG00000134684.11	3560.536	-0.20426	0.151772	-1.34584	0.178354	0.679236
1485	ENSG00000099308.10	1760.732	0.258072	0.191792	1.345582	0.178437	0.679327
11044	ENSG00000261713.6	1920.11	0.235693	0.175194	1.345326	0.17852	0.679414
3937	ENSG00000126746.17	1388.266	-0.21939	0.163124	-1.34493	0.178648	0.679674
10932	ENSG00000255529.9	685.7285	0.337837	0.251241	1.344672	0.178731	0.679764
3041	ENSG00000115275.14	4318.156	0.242988	0.180901	1.343207	0.179205	0.68132
5387	ENSG00000141519.15	262.8078	-0.35422	0.263742	-1.34304	0.17926	0.68132
57	ENSG00000005100.13	632.8495	-0.25532	0.190147	-1.34273	0.179359	0.681467
3301	ENSG00000117758.14	572.428	-0.27589	0.205521	-1.34238	0.179474	0.681497
1521	ENSG00000099942.13	3464.238	-0.21113	0.157297	-1.34225	0.179517	0.681497
1637	ENSG00000100426.7	1064.13	-0.25057	0.186696	-1.34215	0.179546	0.681497
7826	ENSG00000168769.13	589.8254	-0.2833	0.211222	-1.34126	0.179836	0.68219
2638	ENSG00000110497.14	1299.27	-0.22203	0.165543	-1.34122	0.179849	0.68219
2298	ENSG00000106348.18	3316.028	0.224523	0.167431	1.340988	0.179924	0.682244
7344	ENSG00000165264.11	619.81	0.279048	0.208119	1.340809	0.179983	0.682244
3928	ENSG00000126581.13	928.9418	-0.23145	0.172652	-1.34053	0.180072	0.682356
182	ENSG00000010404.18	4912.124	-0.21251	0.158617	-1.33974	0.18033	0.683108
9189	ENSG00000183793.14	820.3943	0.322459	0.240733	1.339489	0.180412	0.683188
8368	ENSG00000173706.14	163.8822	-0.39529	0.295203	-1.33906	0.180551	0.68342
9136	ENSG00000183309.12	745.4113	-0.26679	0.199255	-1.33893	0.180593	0.68342
10318	ENSG00000212907.2	23029.26	0.199103	0.148786	1.338183	0.180837	0.684027
7411	ENSG00000165731.20	3598.522	0.215523	0.16107	1.338071	0.180873	0.684027
6707	ENSG00000160007.19	4577.662	-0.19665	0.147037	-1.33744	0.181078	0.684575
2728	ENSG00000111671.9	535.4398	0.271363	0.20298	1.336895	0.181257	0.685022
10940	ENSG00000256053.9	562.0699	-0.25768	0.192953	-1.33545	0.18173	0.686584
202	ENSG00000011332.19	328.5519	0.29752	0.222818	1.335261	0.181791	0.686584

9558	ENSG00000188242.4	602.0865	-0.25832	0.193617	-1.3342	0.18214	0.68754
10818	ENSG00000245694.10	661.4331	0.25314	0.189743	1.33412	0.182165	0.68754
5846	ENSG00000146733.14	332.3749	-0.29886	0.22406	-1.33385	0.182253	0.687645
1402	ENSG00000092208.17	190.7185	0.360182	0.270144	1.333296	0.182435	0.687896
9135	ENSG00000183307.4	1255.803	0.231136	0.173364	1.333242	0.182453	0.687896
5556	ENSG00000143398.20	1620.06	-0.22193	0.166474	-1.33331	0.1825	0.687896
8169	ENSG00000171604.12	2209.426	0.217614	0.163311	1.332513	0.182692	0.688143
2432	ENSG00000107959.16	1854.971	-0.22248	0.166965	-1.33251	0.182694	0.688143
7934	ENSG00000169641.13	381.6405	-0.28607	0.214745	-1.33212	0.182819	0.688143
10768	ENSG00000242588.6	162.6109	-0.38012	0.285352	-1.33211	0.182823	0.688143
10403	ENSG00000214135.8	249.5487	-0.32546	0.244361	-1.33187	0.182903	0.688143
5281	ENSG00000140398.14	293.2387	-0.34959	0.262529	-1.33162	0.182986	0.688143
10650	ENSG00000234851.4	3667.085	0.200557	0.150633	1.331432	0.183047	0.688143
1358	ENSG00000090905.19	1684.041	-0.24073	0.180809	-1.33142	0.183049	0.688143
7438	ENSG00000165943.5	968.2429	-0.23325	0.175241	-1.33105	0.183172	0.688307
7287	ENSG00000164855.16	1634.028	0.217822	0.163662	1.330924	0.183214	0.688307
3750	ENSG00000124535.16	2279.801	-0.20543	0.154412	-1.3304	0.183385	0.688722
4836	ENSG00000136279.21	4406.672	0.205959	0.15486	1.329966	0.183529	0.688976
10485	ENSG00000221866.9	255.8403	0.413071	0.310647	1.329711	0.183613	0.688976
10931	ENSG00000255455.2	283.6839	-0.32707	0.245985	-1.32965	0.183634	0.688976
6769	ENSG00000160551.11	1653.613	-0.28771	0.216477	-1.32907	0.183824	0.689462
9590	ENSG00000188677.15	2299.775	0.252878	0.190386	1.328236	0.1841	0.690141
8077	ENSG00000170855.4	356.024	0.292329	0.220102	1.328156	0.184127	0.690141
8203	ENSG00000171951.5	3705.974	-0.19594	0.147583	-1.32768	0.184283	0.690446
7746	ENSG00000168071.22	407.8147	0.284989	0.214687	1.327466	0.184355	0.690446
3676	ENSG00000123505.19	1159.361	0.2525	0.190251	1.327197	0.184443	0.690446
10742	ENSG00000241468.8	2501.41	0.224074	0.168835	1.327177	0.18445	0.690446
6565	ENSG00000157895.11	491.4322	-0.26281	0.198083	-1.32676	0.184589	0.690528
8328	ENSG00000173276.14	363.5702	0.297735	0.224411	1.326744	0.184594	0.690528
706	ENSG00000067082.15	528.9699	-0.26075	0.196603	-1.32626	0.184755	0.690905
3907	ENSG00000126246.10	181.2996	0.423833	0.319811	1.325262	0.185084	0.691909
946	ENSG00000075826.17	422.9971	-0.29578	0.223262	-1.32479	0.185241	0.692268
9662	ENSG00000196199.14	1349.348	0.256354	0.193581	1.324272	0.185413	0.692682
7099	ENSG00000163719.20	1108.866	-0.22091	0.166872	-1.32384	0.185557	0.692953
1389	ENSG00000092010.15	1701.384	0.21481	0.162281	1.323687	0.185607	0.692953
10794	ENSG00000243970.3	249.0572	-0.34813	0.263148	-1.32296	0.185849	0.693629
7616	ENSG00000167220.12	544.5882	-0.25757	0.194749	-1.32256	0.18598	0.693892
3293	ENSG00000117682.17	792.3854	-0.25759	0.194801	-1.3223	0.186068	0.693992
118	ENSG00000006831.10	2329.267	-0.21177	0.160188	-1.32199	0.186171	0.694147
5727	ENSG00000145041.15	730.1314	-0.25843	0.195555	-1.32151	0.186332	0.69452
7393	ENSG00000165646.14	1083.328	-0.27538	0.20844	-1.32114	0.186454	0.69475
9423	ENSG00000186166.9	442.2356	-0.31122	0.235669	-1.32058	0.186642	0.695222
8680	ENSG00000177303.10	2173.688	0.223561	0.169329	1.320273	0.186744	0.695374
1988	ENSG00000103404.14	354.6472	-0.29542	0.2238	-1.32	0.186834	0.695483
2258	ENSG00000105926.15	1158.885	0.230935	0.175087	1.318973	0.187178	0.696401
1578	ENSG00000100226.16	2280.52	-0.20611	0.156273	-1.3189	0.187203	0.696401
5620	ENSG00000143845.15	1623.516	0.213071	0.16158	1.318674	0.187278	0.696452
4204	ENSG00000130545.16	874.4177	0.245249	0.18612	1.317697	0.187605	0.69744
7418	ENSG00000165801.10	1332.516	-0.22028	0.167197	-1.31748	0.187678	0.697469
7592	ENSG00000167004.13	19568.95	0.187899	0.142638	1.317308	0.187735	0.697469
9079	ENSG00000182718.17	247.2834	0.419673	0.318689	1.316876	0.18788	0.697564
235	ENSG00000013441.16	969.4497	0.242036	0.183797	1.316867	0.187883	0.697564

6082	ENSG00000150401.15	463.4911	-0.27793	0.211155	-1.31626	0.188088	0.697667
3126	ENSG00000116035.4	800.4749	0.235425	0.178876	1.316131	0.18813	0.697667
4865	ENSG00000136574.18	3387.872	0.198136	0.15055	1.316075	0.188149	0.697667
6869	ENSG00000161970.15	6872.768	0.236893	0.180007	1.316017	0.188168	0.697667
8732	ENSG00000177879.17	549.3409	0.273701	0.208	1.31587	0.188218	0.697667
11177	ENSG00000272645.3	261.2797	-0.34997	0.266124	-1.31508	0.188484	0.698368
838	ENSG00000071894.17	6411.845	0.264502	0.20119	1.31469	0.188614	0.698368
5555	ENSG00000143393.16	2192.732	-0.20816	0.158337	-1.31466	0.188624	0.698368
8386	ENSG00000173890.17	282.4462	0.338847	0.257791	1.314423	0.188704	0.698368
7661	ENSG00000167548.16	5358.897	0.281269	0.213991	1.314395	0.188713	0.698368
8813	ENSG00000178971.16	1203.91	-0.24668	0.1877	-1.3142	0.188777	0.698378
4200	ENSG00000130520.11	5103.259	0.190997	0.145372	1.313853	0.188896	0.698589
10563	ENSG00000227051.6	7822.551	-0.19567	0.148959	-1.3136	0.18898	0.698674
1970	ENSG00000103253.18	238.8107	0.402933	0.306852	1.313119	0.189143	0.699049
4069	ENSG00000128829.12	877.2646	-0.23349	0.17786	-1.31276	0.189264	0.699271
10105	ENSG00000198920.11	512.2209	-0.26433	0.201411	-1.31241	0.189383	0.699484
6915	ENSG00000162415.7	724.9402	-0.24288	0.185211	-1.31136	0.189735	0.700556
11313	ENSG00000280649.2	338.6491	0.298222	0.227518	1.310763	0.189938	0.701077
8670	ENSG00000177169.10	4224.245	0.222855	0.170157	1.309702	0.190297	0.702174
2170	ENSG00000105321.14	611.5703	0.27121	0.207135	1.309337	0.19042	0.702262
11176	ENSG00000272631.1	157.1536	-0.38161	0.291521	-1.30902	0.190529	0.702262
105	ENSG00000006611.16	3286.118	-0.20498	0.156595	-1.309	0.190533	0.702262
6772	ENSG00000160584.16	2104.128	-0.21517	0.164394	-1.30886	0.190583	0.702262
284	ENSG00000021488.13	270.1234	-0.31832	0.243254	-1.30859	0.190673	0.702262
11181	ENSG00000272767.1	284.3199	0.307618	0.235085	1.308539	0.190691	0.702262
4939	ENSG00000137094.15	408.0057	-0.3253	0.248644	-1.30828	0.190777	0.702353
241	ENSG00000013583.10	678.5756	0.24615	0.188184	1.308028	0.190864	0.702358
4585	ENSG00000134253.10	179.3496	-0.37013	0.282994	-1.30791	0.190904	0.702358
9927	ENSG00000198034.11	8705.948	0.233441	0.178535	1.307533	0.191032	0.702358
10594	ENSG00000230061.2	313.1667	0.302666	0.231485	1.307497	0.191044	0.702358
2363	ENSG00000107130.10	1681.644	-0.24973	0.191018	-1.30737	0.191087	0.702358
3171	ENSG00000116497.18	649.3771	-0.24336	0.18634	-1.30598	0.19156	0.703786
9313	ENSG00000185122.11	3220.972	0.213572	0.163549	1.305863	0.191599	0.703786
4237	ENSG00000130749.10	1740.871	-0.21313	0.163247	-1.30555	0.191707	0.703957
3703	ENSG00000124067.17	1609.612	0.242431	0.185757	1.305094	0.191861	0.704294
4210	ENSG00000130590.14	316.2485	0.294477	0.22572	1.304611	0.192025	0.704617
9825	ENSG00000197223.11	329.1045	0.322518	0.247325	1.304026	0.192225	0.704617
10065	ENSG00000198830.11	12637.58	0.190353	0.14598	1.303968	0.192244	0.704617
5350	ENSG00000141068.14	1334.169	-0.21455	0.164543	-1.30391	0.192265	0.704617
8313	ENSG00000173163.10	158.1544	0.4113	0.315485	1.30371	0.192333	0.704617
8448	ENSG00000174640.15	216.3627	0.365405	0.2803	1.30362	0.192363	0.704617
7797	ENSG00000168487.19	807.6254	-0.23118	0.177361	-1.30344	0.192424	0.704617
2532	ENSG00000109046.15	2170.485	-0.20128	0.154431	-1.30338	0.192444	0.704617
4893	ENSG00000136819.15	1205.312	-0.22116	0.169736	-1.30298	0.192581	0.704782
4792	ENSG00000135966.13	961.307	-0.22903	0.175786	-1.30289	0.192613	0.704782
2017	ENSG00000103742.12	274.4674	0.329725	0.253121	1.302639	0.192698	0.704868
4328	ENSG00000131626.18	1376.602	-0.21528	0.165302	-1.30235	0.192797	0.70489
7376	ENSG00000165512.5	735.194	0.286221	0.219812	1.302118	0.192876	0.70489
3644	ENSG00000123104.12	922.3143	-0.23945	0.183905	-1.30205	0.192899	0.70489
1258	ENSG00000088179.9	336.8908	-0.42846	0.329105	-1.3019	0.192952	0.70489
9289	ENSG00000184939.16	635.3414	-0.25064	0.192856	-1.29964	0.193726	0.707491
4975	ENSG00000137337.15	4884.588	0.220955	0.170094	1.299011	0.19394	0.707762

4531	ENSG00000133704.10	1202.984	-0.25434	0.195812	-1.29891	0.193975	0.707762
2362	ENSG00000107104.20	721.0037	-0.2863	0.220429	-1.29884	0.193998	0.707762
8369	ENSG00000173715.18	575.7554	-0.24996	0.192478	-1.29865	0.194065	0.707762
4389	ENSG00000132361.17	3639.305	0.217663	0.167625	1.298514	0.194111	0.707762
4315	ENSG00000131469.15	4670.472	0.247735	0.190843	1.298107	0.194251	0.708045
3742	ENSG00000124422.12	10955.31	-0.19217	0.148097	-1.29761	0.194421	0.70844
816	ENSG00000070985.13	281.0764	0.356331	0.274741	1.296968	0.194642	0.708995
6960	ENSG00000162804.14	1070.328	-0.24004	0.185118	-1.29668	0.19474	0.708995
2160	ENSG00000105248.16	599.7478	0.244505	0.18857	1.296625	0.19476	0.708995
2529	ENSG00000108963.18	1459.14	0.209899	0.161947	1.296096	0.194943	0.709431
3383	ENSG00000119392.15	1219.146	-0.2264	0.174717	-1.29582	0.195038	0.709551
5091	ENSG00000138385.16	2335.087	0.198069	0.152906	1.295367	0.195194	0.709891
1082	ENSG00000081087.15	354.2874	-0.3249	0.250857	-1.29517	0.195261	0.709911
9092	ENSG00000182858.14	2028.943	0.201257	0.15543	1.294844	0.195374	0.709967
4488	ENSG00000133121.21	272.7111	-0.33831	0.261292	-1.29476	0.195401	0.709967
3613	ENSG00000122591.12	558.0236	0.322662	0.249454	1.293471	0.195848	0.711233
902	ENSG00000074370.18	90386.1	0.21397	0.165454	1.293228	0.195932	0.711233
1745	ENSG00000101158.15	6276.342	-0.19093	0.147637	-1.29321	0.195937	0.711233
7115	ENSG00000163818.17	384.218	-0.28371	0.219447	-1.29285	0.196064	0.711399
167	ENSG00000009830.12	1146.762	-0.21931	0.169653	-1.29272	0.196108	0.711399
1897	ENSG00000102743.15	223.5043	-0.32656	0.252722	-1.29219	0.196291	0.711639
4410	ENSG00000132507.18	8874.024	0.187825	0.145357	1.292167	0.196299	0.711639
8153	ENSG00000171466.10	803.0573	-0.28271	0.218936	-1.29131	0.196596	0.712051
1842	ENSG00000101997.13	2361.024	0.210929	0.163349	1.291281	0.196606	0.712051
5041	ENSG00000137960.6	384.3456	0.327037	0.253409	1.290551	0.196859	0.712051
8156	ENSG00000171475.14	1574.757	-0.21807	0.168996	-1.29041	0.19691	0.712051
1961	ENSG00000103197.18	4998.54	0.216773	0.16799	1.290394	0.196914	0.712051
6733	ENSG00000160208.13	1279.508	-0.2126	0.164762	-1.29037	0.196921	0.712051
2411	ENSG00000107819.13	554.5344	0.247741	0.192024	1.290157	0.196996	0.712051
2750	ENSG00000111816.8	659.2866	-0.24844	0.192574	-1.29009	0.197018	0.712051
8790	ENSG00000178694.10	209.2947	0.332408	0.257679	1.290007	0.197048	0.712051
6529	ENSG00000157388.19	1104.888	-0.21619	0.167605	-1.28989	0.197087	0.712051
928	ENSG00000075303.13	526.7562	-0.252	0.195372	-1.28986	0.197101	0.712051
1665	ENSG00000100580.8	1339.573	-0.22313	0.173132	-1.28878	0.197474	0.713068
2882	ENSG00000113328.19	1449.128	0.213614	0.165761	1.288686	0.197507	0.713068
11013	ENSG00000260285.1	215.7721	-0.35932	0.278926	-1.28822	0.197668	0.713321
6751	ENSG00000160299.17	4234.42	-0.1983	0.153943	-1.28812	0.197703	0.713321
3479	ENSG00000120533.13	1046.341	0.22216	0.172524	1.287709	0.197847	0.71338
3022	ENSG00000115128.7	748.9696	0.270387	0.209987	1.28764	0.197871	0.71338
2954	ENSG00000114316.13	957.5019	-0.22136	0.171923	-1.28754	0.197907	0.71338
5979	ENSG00000148584.15	2163.638	-0.24089	0.187189	-1.2869	0.198128	0.713952
4800	ENSG00000136026.14	1547.751	-0.20802	0.161709	-1.28639	0.198308	0.713956
9327	ENSG00000185236.12	4377.568	0.207806	0.16155	1.286326	0.198329	0.713956
9532	ENSG00000187860.10	243.2836	0.325408	0.252978	1.28631	0.198335	0.713956
1906	ENSG00000102858.13	5320.805	0.209644	0.162998	1.28618	0.19838	0.713956
4781	ENSG00000135916.16	4771.215	0.189989	0.147788	1.285551	0.1986	0.714521
1592	ENSG00000100284.21	1930.245	0.238484	0.185592	1.284993	0.198795	0.714775
6026	ENSG00000149273.15	24483.63	0.1833	0.142647	1.284989	0.198796	0.714775
3999	ENSG00000127837.10	4609.208	0.215379	0.167651	1.284689	0.198901	0.714926
4746	ENSG00000135631.17	1240.528	0.234416	0.182507	1.284419	0.198995	0.714982
4371	ENSG00000132196.15	2643.819	-0.21448	0.167	-1.28429	0.199042	0.714982
7082	ENSG00000163635.20	451.8377	-0.26961	0.210036	-1.28364	0.199266	0.715136

9008	ENSG00000181929.13	1062.123	-0.21761	0.169548	-1.28346	0.19933	0.715136
2492	ENSG00000108591.10	1017.073	-0.22562	0.175807	-1.28333	0.199376	0.715136
10385	ENSG00000213937.4	254.7104	0.350998	0.27351	1.283307	0.199385	0.715136
3824	ENSG00000125637.16	376.981	0.30035	0.234067	1.283181	0.199429	0.715136
5335	ENSG00000140983.14	4429.966	0.238958	0.186248	1.283009	0.199489	0.715136
11218	ENSG00000274276.4	858.3574	-0.22942	0.17883	-1.28291	0.199525	0.715136
10119	ENSG00000198960.11	693.0663	-0.23724	0.185069	-1.28192	0.199871	0.71585
491	ENSG00000053254.15	1166.011	-0.22462	0.175233	-1.28185	0.199895	0.71585
159	ENSG00000008853.17	1847.744	0.210095	0.163906	1.281801	0.199913	0.71585
9491	ENSG00000187189.11	3172.755	-0.21178	0.165329	-1.28097	0.200205	0.71609
7912	ENSG00000169410.10	1243.288	-0.2214	0.172869	-1.28075	0.20028	0.71609
4697	ENSG00000135299.17	250.0781	-0.32618	0.254703	-1.28062	0.200326	0.71609
1903	ENSG00000102796.11	159.9261	-0.3656	0.285485	-1.28061	0.20033	0.71609
3704	ENSG00000124074.12	882.9266	0.234421	0.183098	1.280304	0.200438	0.71609
918	ENSG00000075131.10	193.0526	0.351737	0.274775	1.28009	0.200514	0.71609
567	ENSG00000060237.18	6822.638	-0.19924	0.155647	-1.28006	0.200524	0.71609
5969	ENSG00000148396.18	8158.512	0.229431	0.179237	1.280047	0.200529	0.71609
8280	ENSG00000172817.4	226.2174	-0.32649	0.255073	-1.28	0.200545	0.71609
10241	ENSG00000204991.11	2458.004	0.211991	0.165648	1.279768	0.200627	0.716156
1189	ENSG00000085733.16	3035.153	-0.19459	0.152204	-1.27848	0.20108	0.717298
3047	ENSG00000115306.16	4665.615	-0.19925	0.155854	-1.27843	0.201098	0.717298
10960	ENSG00000257365.8	379.9775	-0.28462	0.222674	-1.27818	0.201185	0.717298
8893	ENSG00000180011.7	2627.47	-0.19462	0.152305	-1.27786	0.201297	0.717298
5005	ENSG00000137699.17	549.8051	0.312438	0.244503	1.27785	0.201302	0.717298
4770	ENSG00000135835.12	765.5031	0.245901	0.192443	1.277786	0.201325	0.717298
8802	ENSG00000178904.19	397.3826	-0.29819	0.233395	-1.2776	0.201389	0.717302
670	ENSG00000065883.16	1045.892	-0.21568	0.168917	-1.27685	0.201655	0.717719
3267	ENSG00000117480.16	920.4463	0.232551	0.182156	1.276661	0.201722	0.717719
5837	ENSG00000146574.15	325.4764	0.306812	0.240352	1.276511	0.201775	0.717719
1650	ENSG00000100503.25	621.0162	-0.26921	0.210918	-1.27639	0.201817	0.717719
7246	ENSG00000164483.17	732.5658	-0.24272	0.190173	-1.27629	0.201854	0.717719
5849	ENSG00000146826.17	1499.224	0.24007	0.188113	1.276202	0.201884	0.717719
7176	ENSG00000164076.17	620.8202	0.307881	0.241345	1.275691	0.202065	0.717772
10454	ENSG00000215440.12	2285.756	0.207905	0.162982	1.275634	0.202085	0.717772
8286	ENSG00000172869.14	682.157	0.242728	0.190298	1.275515	0.202127	0.717772
370	ENSG00000036672.16	910.4107	0.227542	0.178423	1.275299	0.202203	0.717772
2294	ENSG00000106331.17	328.2506	0.319223	0.250318	1.275269	0.202214	0.717772
7817	ENSG00000168672.4	1060.887	0.21755	0.170657	1.274778	0.202388	0.718137
7551	ENSG00000166770.11	801.9068	-0.24428	0.191645	-1.27462	0.202443	0.718137
8738	ENSG00000177943.14	1037.301	0.254839	0.199968	1.274401	0.202521	0.718191
2711	ENSG00000111581.10	663.3237	0.251097	0.197085	1.274054	0.202644	0.718221
8116	ENSG00000171163.16	1002.29	-0.2657	0.208564	-1.27393	0.202688	0.718221
8495	ENSG00000175105.7	264.6166	0.345677	0.271379	1.273781	0.202741	0.718221
861	ENSG00000072609.17	1145.728	-0.21257	0.166916	-1.27349	0.202845	0.718221
2525	ENSG00000108947.5	699.291	0.262735	0.206311	1.273487	0.202845	0.718221
3832	ENSG00000125686.12	1027.887	-0.22911	0.179991	-1.27287	0.203063	0.71877
10255	ENSG00000205302.7	1394.566	0.237662	0.186743	1.272668	0.203136	0.718803
10201	ENSG00000204519.11	187.2203	-0.3402	0.267542	-1.27158	0.203523	0.719895
3487	ENSG00000120675.6	512.1721	0.263537	0.207307	1.271242	0.203643	0.719895
10685	ENSG00000237190.4	656.4636	0.287842	0.226475	1.270965	0.203741	0.719895
1335	ENSG00000090263.16	893.8033	0.24799	0.19512	1.27096	0.203743	0.719895
5961	ENSG00000148337.21	6712.928	0.204655	0.16103	1.27091	0.203761	0.719895

8197	ENSG00000171863.15	10891.15	0.216586	0.170474	1.270491	0.20391	0.719973
9811	ENSG00000197119.13	7092.292	0.231774	0.182449	1.270351	0.20396	0.719973
7444	ENSG00000166004.15	835.1934	-0.22648	0.178285	-1.27031	0.203973	0.719973
6166	ENSG00000151726.14	3508.17	-0.18862	0.148523	-1.27	0.204086	0.719973
1772	ENSG00000101331.17	211.0176	0.346969	0.273249	1.26979	0.204159	0.719973
550	ENSG00000058600.16	1117.342	-0.22056	0.1737	-1.26978	0.204162	0.719973
10028	ENSG00000198718.13	352.0863	0.284985	0.224504	1.269402	0.204298	0.720229
8601	ENSG00000176381.6	574.6806	0.259579	0.204608	1.268663	0.204561	0.720642
2699	ENSG00000111358.14	434.9593	-0.26291	0.207287	-1.26832	0.204685	0.720642
6030	ENSG00000149295.14	178.3508	0.364377	0.287305	1.268257	0.204706	0.720642
6656	ENSG00000159164.10	3836.018	-0.19648	0.154951	-1.26803	0.204787	0.720642
9796	ENSG00000197037.11	725.1936	-0.23481	0.185177	-1.26803	0.204788	0.720642
4683	ENSG00000135124.15	845.5242	-0.23503	0.18535	-1.26801	0.204795	0.720642
7276	ENSG00000164742.16	2920.008	-0.19584	0.154489	-1.26763	0.20493	0.720895
8054	ENSG00000170629.14	461.3139	-0.2869	0.226404	-1.26721	0.20508	0.721157
5330	ENSG00000140943.17	3106.576	-0.2111	0.166603	-1.26707	0.205131	0.721157
9951	ENSG00000198176.13	3570.139	0.187513	0.148096	1.266161	0.205456	0.7218
89	ENSG00000006125.18	6926.835	-0.20827	0.164502	-1.26606	0.205493	0.7218
7286	ENSG00000164850.15	624.0166	0.248312	0.196136	1.266025	0.205504	0.7218
10586	ENSG00000228903.7	742.7376	0.248724	0.196559	1.265393	0.205731	0.722345
985	ENSG00000077235.18	6508.262	0.185647	0.146729	1.265237	0.205786	0.722345
11003	ENSG00000259974.3	1647.443	-0.20466	0.161826	-1.26471	0.205977	0.722791
367	ENSG00000036257.13	2154.7	0.226409	0.179073	1.26434	0.206108	0.723003
3396	ENSG00000119509.13	402.6428	-0.26932	0.213046	-1.26415	0.206177	0.723003
5883	ENSG00000147257.15	437.9596	0.314892	0.249163	1.263801	0.206301	0.723003
3242	ENSG00000117242.7	184.035	-0.34126	0.270045	-1.26371	0.206333	0.723003
4820	ENSG00000136161.12	421.47	-0.27635	0.218708	-1.26355	0.206392	0.723003
6037	ENSG00000149418.11	1641.474	0.20052	0.158705	1.263476	0.206418	0.723003
2090	ENSG00000104722.14	786.1281	0.294642	0.233329	1.262775	0.20667	0.723662
511	ENSG00000054965.10	2894.199	-0.2149	0.170214	-1.26253	0.206759	0.723753
10747	ENSG00000241697.5	215.9478	0.327535	0.259525	1.262054	0.206929	0.723912
4608	ENSG00000134419.15	6897.067	0.250449	0.198447	1.262047	0.206932	0.723912
285	ENSG00000021574.13	530.3477	0.271395	0.215091	1.261767	0.207033	0.723945
4485	ENSG00000133112.17	24309.68	0.220122	0.174504	1.261415	0.207159	0.723945
5224	ENSG00000139668.9	403.9206	-0.27287	0.216342	-1.26127	0.20721	0.723945
5219	ENSG00000139637.14	1807.9	0.203156	0.161084	1.261183	0.207243	0.723945
3388	ENSG00000119403.15	2343.255	0.206108	0.163481	1.26074	0.207402	0.723945
2751	ENSG00000111832.13	846.7673	0.228985	0.181635	1.260691	0.20742	0.723945
6028	ENSG00000149292.17	253.5859	-0.30771	0.244095	-1.26061	0.207449	0.723945
826	ENSG00000071246.11	1461.991	0.203773	0.161646	1.260608	0.20745	0.723945
11325	ENSG00000282458.1	1052.155	-0.21415	0.169914	-1.26034	0.207548	0.723965
8723	ENSG00000177733.7	5501.354	0.187872	0.149077	1.26024	0.207583	0.723965
560	ENSG00000059588.10	516.6318	-0.2806	0.222702	-1.25996	0.207682	0.724091
6249	ENSG00000152990.14	513.5598	-0.2522	0.200212	-1.25968	0.207785	0.724228
640	ENSG00000065060.17	1306.174	-0.23694	0.188159	-1.25928	0.20793	0.724509
8035	ENSG00000170471.15	2692.167	-0.20361	0.161811	-1.25832	0.208278	0.724949
8814	ENSG00000178974.10	493.1738	-0.24949	0.198278	-1.2583	0.208285	0.724949
28	ENSG00000003509.16	178.4301	-0.34796	0.276559	-1.25816	0.208335	0.724949
1496	ENSG00000099625.13	1456.218	0.28469	0.22628	1.25813	0.208345	0.724949
4796	ENSG00000135976.20	737.7083	0.236225	0.187771	1.258047	0.208375	0.724949
75	ENSG00000005801.18	553.2589	-0.24388	0.193884	-1.25787	0.208438	0.724949
10055	ENSG00000198799.12	398.8842	-0.27092	0.215414	-1.25766	0.208514	0.724991

2740	ENSG00000111727.12	425.5627	-0.30344	0.241385	-1.25707	0.208728	0.725514
10236	ENSG00000204959.4	871.1286	-0.22722	0.180789	-1.25683	0.208814	0.725592
37	ENSG00000004478.8	3437.32	-0.19328	0.153842	-1.25635	0.208989	0.725627
2770	ENSG00000112039.5	1167.023	0.221308	0.176171	1.256213	0.209039	0.725627
39	ENSG00000004534.15	2376.771	-0.20189	0.160721	-1.25614	0.209065	0.725627
4566	ENSG00000134077.16	863.8024	-0.25891	0.206135	-1.25601	0.209113	0.725627
10526	ENSG00000224470.8	1172.211	-0.21527	0.171405	-1.25593	0.209143	0.725627
8640	ENSG00000176894.10	837.6742	0.223246	0.177924	1.254729	0.209577	0.726763
7172	ENSG00000164068.16	2101.649	0.22324	0.177943	1.254561	0.209638	0.726763
3246	ENSG00000117305.15	720.5112	-0.23073	0.183938	-1.25439	0.209699	0.726763
47	ENSG00000004866.21	723.2474	-0.23232	0.18524	-1.25417	0.20978	0.726763
392	ENSG00000040199.18	453.7411	-0.26168	0.208651	-1.25414	0.209789	0.726763
4660	ENSG00000134910.14	3900.828	-0.21007	0.167552	-1.25376	0.209931	0.726909
5901	ENSG00000147526.20	892.5717	-0.22236	0.177363	-1.25368	0.209959	0.726909
9475	ENSG00000186951.16	1008.875	-0.25158	0.20071	-1.25347	0.210036	0.726956
6506	ENSG00000157045.9	432.5222	-0.25715	0.205219	-1.25305	0.210188	0.727146
1099	ENSG00000082146.13	327.2616	-0.28528	0.2277	-1.25287	0.210252	0.727146
3596	ENSG00000122390.19	3760.015	0.190258	0.151881	1.252676	0.210324	0.727146
3079	ENSG00000115548.17	968.8586	-0.23296	0.185982	-1.25258	0.210358	0.727146
9636	ENSG00000189306.11	2494.924	0.195922	0.156432	1.252437	0.210411	0.727146
5254	ENSG00000140105.18	2916.754	-0.22863	0.182588	-1.25216	0.21051	0.727251
7801	ENSG00000168502.17	423.5284	-0.31484	0.25148	-1.25196	0.210584	0.727251
957	ENSG00000076242.16	825.5022	-0.2271	0.181427	-1.25176	0.210659	0.727251
8698	ENSG00000177548.13	799.3729	0.246349	0.196819	1.251653	0.210697	0.727251
114	ENSG00000006744.19	1749.803	-0.21181	0.16928	-1.25127	0.210837	0.72738
3421	ENSG00000119689.15	2231.346	-0.2074	0.165758	-1.2512	0.210862	0.72738
551	ENSG00000058668.15	1373.887	-0.21629	0.172925	-1.25078	0.211015	0.727634
9983	ENSG00000198431.16	1907.416	-0.21516	0.172036	-1.25065	0.211063	0.727634
3341	ENSG00000118640.11	410.792	0.260046	0.208012	1.250149	0.211245	0.727847
10917	ENSG00000254726.3	796.0891	0.259452	0.20754	1.250128	0.211253	0.727847
4451	ENSG00000132819.17	1188.812	0.229794	0.183968	1.249096	0.21163	0.728817
9593	ENSG00000188707.6	1389.993	0.210962	0.168913	1.248935	0.211689	0.728817
8999	ENSG00000181827.15	775.3426	-0.22838	0.182872	-1.24883	0.211726	0.728817
4041	ENSG00000128513.16	594.3334	0.262421	0.210177	1.248568	0.211823	0.728822
4542	ENSG00000133818.14	216.3326	0.337995	0.27082	1.24804	0.212016	0.728822
7571	ENSG00000166889.14	3170.987	-0.19563	0.156755	-1.24797	0.212041	0.728822
5019	ENSG00000137812.20	563.3721	-0.28641	0.229508	-1.24794	0.212052	0.728822
364	ENSG00000035862.12	894.8621	0.239265	0.191738	1.247873	0.212078	0.728822
1393	ENSG00000092094.11	701.2383	-0.23834	0.191008	-1.24778	0.212112	0.728822
8107	ENSG00000171126.8	836.2622	-0.22722	0.182232	-1.24685	0.212453	0.729521
353	ENSG00000034152.19	182.3928	0.380689	0.305347	1.246742	0.212492	0.729521
7589	ENSG00000166986.15	5950.266	-0.20384	0.163545	-1.2464	0.212618	0.729521
6835	ENSG00000161265.15	291.2484	0.358121	0.287386	1.246129	0.212717	0.729521
1635	ENSG00000100422.14	1493.29	-0.22787	0.182873	-1.24606	0.212744	0.729521
9159	ENSG00000183570.16	331.7593	0.287895	0.231047	1.246044	0.212748	0.729521
5833	ENSG00000146535.14	1708.984	-0.20239	0.162433	-1.246	0.212764	0.729521
10145	ENSG00000204120.15	1709.365	-0.2132	0.171197	-1.24536	0.212999	0.729606
9081	ENSG00000182759.4	6990.491	0.240655	0.19326	1.245237	0.213045	0.729606
399	ENSG00000040933.16	1029.374	-0.22335	0.179386	-1.2451	0.213094	0.729606
7499	ENSG00000166343.10	200.1442	-0.34793	0.279457	-1.24503	0.213119	0.729606
1392	ENSG00000092068.20	19464.76	-0.20459	0.164335	-1.24495	0.213151	0.729606
2537	ENSG00000109079.10	1291.03	-0.20499	0.164666	-1.24489	0.213173	0.729606

777	ENSG00000069966.18	824.7304	-0.23967	0.192575	-1.24454	0.213302	0.729828
6932	ENSG00000162607.13	1733.148	0.198275	0.15941	1.243808	0.21357	0.730514
11222	ENSG00000274471.2	181.3339	-0.34667	0.278751	-1.24364	0.213631	0.730514
5401	ENSG00000141569.12	452.5789	0.308535	0.248144	1.243374	0.21373	0.730635
7131	ENSG00000163902.12	7765.689	-0.20374	0.163899	-1.24309	0.213835	0.730774
8806	ENSG00000178922.16	1079.961	0.236906	0.190718	1.242178	0.214171	0.731702
5926	ENSG00000147854.17	1026.054	-0.21924	0.176637	-1.24117	0.214543	0.732228
8943	ENSG00000180914.10	229.6705	-0.32091	0.258592	-1.241	0.214606	0.732228
6219	ENSG00000152492.15	496.4784	0.262158	0.211254	1.240961	0.21462	0.732228
9708	ENSG00000196458.11	368.8867	-0.2947	0.237505	-1.2408	0.214679	0.732228
797	ENSG00000070423.18	1124.127	0.208306	0.167891	1.240718	0.21471	0.732228
26	ENSG00000003393.15	926.0365	-0.23135	0.186499	-1.24047	0.214803	0.732228
578	ENSG00000061273.18	206.7769	0.398968	0.321659	1.240346	0.214848	0.732228
6260	ENSG00000153130.17	2121.277	0.246354	0.198649	1.24015	0.21492	0.732228
10882	ENSG00000251322.9	685.8922	0.257814	0.207907	1.240046	0.214958	0.732228
6121	ENSG00000151176.8	5179.249	0.200376	0.161628	1.239735	0.215073	0.732228
5558	ENSG00000143409.15	1396.323	-0.20491	0.165304	-1.2396	0.215124	0.732228
910	ENSG00000074755.15	2257.936	-0.2311	0.186439	-1.23956	0.215137	0.732228
3212	ENSG00000116871.15	4538.545	0.194927	0.157262	1.239499	0.215161	0.732228
1992	ENSG00000103460.17	1143.944	0.229976	0.185579	1.239231	0.21526	0.732347
843	ENSG00000072110.14	2191.567	-0.19298	0.155845	-1.23828	0.215612	0.733175
7	ENSG00000001460.18	285.2173	-0.29108	0.235083	-1.23821	0.215638	0.733175
5910	ENSG00000147649.10	2887.351	0.191014	0.154285	1.238053	0.215696	0.733175
7617	ENSG00000167232.14	246.3173	0.400182	0.323318	1.237733	0.215815	0.733359
10306	ENSG00000210082.2	131658.1	0.206126	0.16665	1.236884	0.21613	0.734211
9436	ENSG00000186318.16	4843.23	-0.19082	0.154315	-1.23657	0.216246	0.734386
9696	ENSG00000196405.13	4256.72	0.211679	0.171252	1.236064	0.216435	0.73457
10585	ENSG00000228794.10	1127.75	-0.2303	0.186359	-1.23581	0.216529	0.73457
5404	ENSG00000141577.14	1778.045	0.252257	0.204123	1.235808	0.21653	0.73457
4154	ENSG00000130119.17	948.4851	-0.21246	0.171946	-1.23561	0.216605	0.73457
1720	ENSG00000100968.14	392.3319	0.291605	0.236011	1.235557	0.216623	0.73457
9653	ENSG00000196139.14	572.8138	0.265249	0.214729	1.235271	0.21673	0.734713
636	ENSG00000065000.19	9421.457	0.214043	0.173318	1.234971	0.216841	0.734872
2494	ENSG00000108599.15	518.2142	-0.24825	0.201054	-1.23472	0.216933	0.734964
9600	ENSG00000188786.10	448.6844	-0.26481	0.21452	-1.23443	0.217043	0.735118
5753	ENSG00000145390.11	227.63	0.331519	0.268731	1.233647	0.217335	0.735519
1563	ENSG00000100142.16	1098.896	0.208251	0.168816	1.233595	0.217354	0.735519
2299	ENSG00000106351.13	1040.579	0.223057	0.180819	1.233592	0.217355	0.735519
44	ENSG00000004779.10	961.8894	0.226741	0.183872	1.233147	0.217521	0.735862
729	ENSG00000067840.12	2246.17	0.242064	0.196331	1.232943	0.217597	0.735901
4364	ENSG00000132017.10	2259.034	0.224095	0.181829	1.232453	0.21778	0.736032
10207	ENSG00000204569.10	4083.945	-0.18073	0.146648	-1.23244	0.217786	0.736032
4133	ENSG00000129667.13	274.4607	0.306839	0.248993	1.23232	0.21783	0.736032
6408	ENSG00000155592.16	445.8558	-0.27768	0.225367	-1.23212	0.217904	0.736065
4426	ENSG00000132613.15	11983	0.189913	0.15417	1.231846	0.218007	0.736122
6859	ENSG00000161835.11	1586.443	0.202683	0.164566	1.231626	0.218089	0.736122
1771	ENSG00000101310.17	2866.297	-0.20148	0.163619	-1.23138	0.218182	0.736122
4892	ENSG00000136816.16	1052.059	-0.23532	0.191148	-1.23111	0.218282	0.736122
3460	ENSG00000120063.10	1385.929	-0.21398	0.173813	-1.2311	0.218284	0.736122
9068	ENSG00000182606.16	3597.722	-0.18341	0.148987	-1.23104	0.218309	0.736122
10821	ENSG00000245910.8	893.3083	0.224832	0.18267	1.23081	0.218394	0.736191
4323	ENSG00000131507.11	2739.166	0.202354	0.164446	1.230524	0.218501	0.736272

3482	ENSG00000120594.17	307.1329	-0.29918	0.24316	-1.23037	0.218557	0.736272
935	ENSG00000075420.13	802.4696	-0.22307	0.181325	-1.23023	0.218612	0.736272
6563	ENSG00000157881.16	968.0528	-0.21481	0.174716	-1.2295	0.218883	0.736276
6567	ENSG00000157916.20	2043.193	-0.19107	0.155416	-1.22943	0.218911	0.736276
5587	ENSG00000143612.21	5954.66	-0.19914	0.161987	-1.22937	0.218933	0.736276
10230	ENSG00000204899.6	644.3468	0.245713	0.199878	1.229316	0.218953	0.736276
6163	ENSG00000151693.11	2808.523	-0.19217	0.156368	-1.22899	0.219076	0.736276
8281	ENSG00000172824.16	412.0035	-0.27511	0.223866	-1.22891	0.219104	0.736276
279	ENSG00000020256.20	693.1567	-0.23672	0.192627	-1.2289	0.219111	0.736276
7157	ENSG00000164022.17	709.039	0.225547	0.183545	1.228843	0.219131	0.736276
1751	ENSG00000101187.16	1072.005	0.209329	0.170436	1.228199	0.219372	0.736743
2541	ENSG00000109103.12	1282.187	0.20176	0.164316	1.227879	0.219492	0.736743
1300	ENSG00000089154.11	9177.291	-0.1894	0.154257	-1.22782	0.219515	0.736743
10951	ENSG00000257008.6	547.8805	-0.26263	0.213943	-1.22757	0.219609	0.736743
3768	ENSG00000124766.7	3828.215	0.187753	0.152949	1.227557	0.219613	0.736743
8773	ENSG00000178409.14	374.0183	-0.26822	0.218522	-1.22744	0.219658	0.736743
7113	ENSG00000163812.15	1520.754	-0.21409	0.174469	-1.22712	0.219777	0.736927
4783	ENSG00000135924.16	3658.399	0.208299	0.169787	1.226827	0.219888	0.73708
318	ENSG00000026652.15	810.5416	-0.23189	0.189207	-1.2256	0.220349	0.738408
2640	ENSG00000110536.14	871.6056	0.229224	0.187072	1.225328	0.220452	0.738477
187	ENSG00000010818.10	261.9889	-0.30808	0.25148	-1.22505	0.220556	0.738477
7373	ENSG00000165502.7	2352.318	0.190887	0.155834	1.224938	0.220599	0.738477
7081	ENSG00000163634.12	681.0673	0.225419	0.184037	1.224858	0.220629	0.738477
502	ENSG00000054267.22	819.3283	0.222237	0.181473	1.224631	0.220714	0.738547
9695	ENSG00000196396.10	2820.014	-0.19928	0.162763	-1.22435	0.220819	0.73868
5293	ENSG00000140481.15	335.1843	0.283133	0.231354	1.223812	0.221023	0.738712
1438	ENSG00000095203.14	1740.498	-0.20044	0.163786	-1.22378	0.221035	0.738712
891	ENSG00000073910.22	640.8683	0.337832	0.276091	1.223626	0.221093	0.738712
4793	ENSG00000135968.21	927.5339	0.232498	0.190019	1.223555	0.22112	0.738712
7283	ENSG00000164818.16	370.7443	-0.27866	0.227792	-1.22333	0.221206	0.738712
6370	ENSG00000155008.14	709.8504	-0.224	0.183139	-1.22309	0.221294	0.738712
6127	ENSG00000151247.12	1331.46	0.251374	0.205532	1.223042	0.221314	0.738712
11011	ENSG00000260267.1	191.7464	-0.32695	0.267384	-1.22276	0.221421	0.738712
9203	ENSG00000183960.9	323.7686	-0.27305	0.223331	-1.22264	0.221468	0.738712
4908	ENSG00000136875.13	976.2851	-0.22955	0.187754	-1.22259	0.221486	0.738712
3356	ENSG00000118939.18	534.8254	0.240006	0.196334	1.222437	0.221542	0.738712
615	ENSG00000064199.7	194.1198	0.388115	0.317697	1.221652	0.221839	0.739404
7188	ENSG00000164109.14	698.064	0.245036	0.200595	1.221545	0.22188	0.739404
7055	ENSG00000163516.14	1341.843	-0.20021	0.163999	-1.22079	0.222165	0.739936
1415	ENSG00000092871.17	469.8722	-0.25978	0.212801	-1.22078	0.222169	0.739936
2233	ENSG00000105705.16	998.1986	-0.21262	0.174223	-1.22041	0.222309	0.740006
561	ENSG00000059691.12	420.0422	-0.25998	0.213034	-1.22038	0.22232	0.740006
9447	ENSG00000186493.13	368.6766	0.272412	0.223291	1.219982	0.222472	0.740294
1498	ENSG00000099783.12	6906.262	0.194027	0.159141	1.219214	0.222763	0.740703
5245	ENSG00000139990.18	1742.083	-0.20177	0.165517	-1.21904	0.222828	0.740703
10915	ENSG00000254681.6	2197.16	-0.2521	0.206826	-1.21888	0.222891	0.740703
9335	ENSG00000185324.22	2755.427	0.221804	0.18198	1.218842	0.222904	0.740703
1628	ENSG00000100403.12	4154.573	-0.17845	0.146427	-1.21869	0.22296	0.740703
5384	ENSG00000141503.17	6649.565	0.203579	0.167056	1.218629	0.222985	0.740703
3046	ENSG00000115295.20	230.5609	-0.31066	0.255002	-1.21827	0.223122	0.740879
8329	ENSG00000173281.5	250.6504	-0.30061	0.246774	-1.21815	0.223168	0.740879
3077	ENSG00000115540.15	616.8397	0.279855	0.22981	1.217764	0.223314	0.741108

426	ENSG00000047249.18	1279.87	0.198833	0.163296	1.217623	0.223367	0.741108
3930	ENSG00000126602.11	3617.768	-0.20691	0.169991	-1.2172	0.223526	0.74142
6063	ENSG00000149743.14	938.4802	0.230151	0.1892	1.216439	0.223818	0.741467
5882	ENSG00000147231.14	1531.438	-0.21501	0.176756	-1.21642	0.223824	0.741467
621	ENSG00000064419.13	1811.709	-0.19721	0.162146	-1.21626	0.223887	0.741467
9316	ENSG00000185133.14	385.4498	0.262238	0.215618	1.216215	0.223903	0.741467
3387	ENSG00000119402.17	1487.388	-0.22509	0.185077	-1.21621	0.223907	0.741467
4768	ENSG00000135828.11	202.6948	-0.31926	0.262519	-1.21614	0.223931	0.741467
6571	ENSG00000157985.19	995.318	-0.25062	0.206177	-1.21555	0.224157	0.741999
4663	ENSG00000134982.17	1220.047	-0.21268	0.174993	-1.21535	0.224231	0.742029
5668	ENSG00000144407.9	166.5019	-0.37573	0.309235	-1.21503	0.224354	0.742219
444	ENSG00000048471.14	1349.753	-0.2068	0.170252	-1.21469	0.224483	0.742299
9426	ENSG00000186185.14	1055.062	-0.24075	0.198205	-1.21463	0.224508	0.742299
6317	ENSG00000154162.15	567.8577	-0.24221	0.199484	-1.21418	0.224679	0.742507
7966	ENSG00000169905.12	1111.688	-0.20518	0.169008	-1.21401	0.224745	0.742507
8132	ENSG00000171302.17	2666.796	-0.18583	0.153081	-1.21393	0.224774	0.742507
10608	ENSG00000231500.7	9091.072	0.204658	0.168679	1.2133	0.225015	0.742507
5062	ENSG00000138092.11	1338.108	-0.21103	0.173944	-1.21321	0.225048	0.742507
1078	ENSG00000081014.11	280.9965	0.300219	0.247486	1.213075	0.225101	0.742507
1254	ENSG00000087903.13	692.9607	-0.2294	0.189127	-1.21294	0.225153	0.742507
4638	ENSG00000134769.21	345.6618	0.281154	0.2318	1.212914	0.225163	0.742507
3696	ENSG00000123908.12	1443.305	-0.21248	0.175187	-1.2129	0.225169	0.742507
10309	ENSG00000211455.8	372.3909	-0.28444	0.234541	-1.21276	0.225223	0.742507
3423	ENSG00000119707.14	2989.514	0.181393	0.149655	1.212079	0.225482	0.742883
5571	ENSG00000143486.16	1122.563	-0.20286	0.167384	-1.21193	0.225541	0.742883
509	ENSG00000054690.14	1461.589	-0.21578	0.178104	-1.21154	0.225689	0.742883
2485	ENSG00000108559.12	816.3054	-0.22889	0.188941	-1.21143	0.225732	0.742883
6502	ENSG00000157005.4	5628.704	0.234104	0.193275	1.211253	0.225799	0.742883
8219	ENSG00000172081.14	881.2271	0.215744	0.178146	1.211053	0.225875	0.742883
2072	ENSG00000104472.10	842.1055	-0.21385	0.17659	-1.21098	0.225904	0.742883
3589	ENSG00000122257.20	2353.396	0.190123	0.157016	1.210855	0.225951	0.742883
3845	ENSG00000125779.22	1557.74	-0.1975	0.163114	-1.21083	0.225962	0.742883
3292	ENSG00000117676.14	2412.367	-0.19008	0.156995	-1.21075	0.22599	0.742883
9511	ENSG00000187605.15	1144.282	-0.21563	0.178144	-1.21041	0.226122	0.743103
9141	ENSG00000183340.7	240.4905	-0.30045	0.248353	-1.20978	0.226362	0.743526
8269	ENSG00000172716.16	1925.294	-0.20571	0.170043	-1.20973	0.226381	0.743526
6167	ENSG00000151729.11	1406.855	0.201549	0.166642	1.209472	0.226482	0.743641
1527	ENSG00000099968.18	998.5801	-0.21056	0.174133	-1.20921	0.226582	0.743755
5633	ENSG00000143977.14	817.8101	0.254514	0.210565	1.208719	0.226771	0.744161
488	ENSG00000052795.13	2807.245	-0.23398	0.193619	-1.20846	0.226869	0.744163
2338	ENSG00000106689.11	279.902	0.307683	0.254625	1.208378	0.226902	0.744163
5217	ENSG00000139631.18	274.9535	-0.34645	0.28681	-1.20794	0.227071	0.744206
807	ENSG00000070756.16	27092.21	0.187874	0.155563	1.207706	0.22716	0.744206
2192	ENSG00000105438.9	8902.646	0.197298	0.163382	1.207586	0.227207	0.744206
4607	ENSG00000134375.11	820.8117	0.215097	0.178183	1.207167	0.227368	0.744206
6807	ENSG00000160948.14	2419.921	0.189881	0.157297	1.207152	0.227374	0.744206
8934	ENSG00000180801.14	212.9062	-0.32306	0.267669	-1.20693	0.227461	0.744206
1993	ENSG00000103479.16	1348.34	-0.21704	0.179831	-1.20689	0.227475	0.744206
1990	ENSG00000103423.14	2285.43	-0.20127	0.16677	-1.20686	0.227484	0.744206
1939	ENSG00000103051.20	2145.893	-0.21667	0.179581	-1.20653	0.227612	0.744206
10214	ENSG00000204604.12	231.6749	0.311333	0.258042	1.206518	0.227618	0.744206
4963	ENSG00000137261.14	254.3408	-0.30375	0.251764	-1.20648	0.227634	0.744206

1673	ENSG00000100605.17	3755.9	0.184627	0.153053	1.206293	0.227705	0.744223
3399	ENSG00000119537.18	649.2008	-0.22612	0.187512	-1.20592	0.227849	0.744483
8863	ENSG00000179562.3	1128.685	-0.22122	0.183521	-1.20544	0.228035	0.744692
1734	ENSG00000101079.21	2178.651	-0.19629	0.162845	-1.20541	0.228044	0.744692
217	ENSG00000012171.20	236.2832	0.317998	0.263938	1.204822	0.228272	0.745221
2355	ENSG00000106992.19	1121.773	0.222501	0.184746	1.204363	0.228449	0.745586
9338	ENSG00000185344.15	523.5626	-0.23667	0.196567	-1.20403	0.228577	0.745668
4321	ENSG00000131503.21	2468.497	-0.18785	0.156071	-1.20359	0.228748	0.745668
8167	ENSG00000171574.18	604.3774	-0.23303	0.193611	-1.20359	0.228749	0.745668
9996	ENSG00000198538.11	216.9421	-0.36629	0.304343	-1.20355	0.228764	0.745668
9568	ENSG00000188352.12	1691.742	-0.22779	0.189278	-1.20345	0.228802	0.745668
9049	ENSG00000182372.10	522.2544	-0.25391	0.211109	-1.20275	0.229073	0.746329
11273	ENSG00000278041.1	2505.391	-0.22938	0.190739	-1.20259	0.229135	0.746329
10085	ENSG00000198879.12	705.2791	-0.22423	0.186532	-1.20211	0.229319	0.746644
2116	ENSG00000104885.18	4263.592	0.225897	0.187934	1.202001	0.229363	0.746644
3766	ENSG00000124733.5	928.3912	0.228883	0.190646	1.200568	0.229919	0.748047
43	ENSG00000004777.18	3138.55	0.259582	0.216221	1.200539	0.22993	0.748047
9980	ENSG00000198399.14	871.7075	-0.22705	0.189152	-1.20038	0.229991	0.748047
201	ENSG00000011304.21	9775.961	-0.17255	0.143949	-1.19869	0.230647	0.749879
2624	ENSG00000110318.15	196.1037	-0.3378	0.281834	-1.19859	0.230686	0.749879
9042	ENSG00000182272.12	1945.697	0.275505	0.229931	1.19821	0.230835	0.750067
999	ENSG00000077713.19	308.6321	-0.27211	0.227138	-1.19799	0.230921	0.750067
3683	ENSG00000123595.8	371.1751	0.282934	0.236184	1.197936	0.230942	0.750067
5867	ENSG00000147118.12	345.7992	-0.27364	0.228496	-1.19759	0.231078	0.75022
7788	ENSG00000168394.11	431.3134	0.296605	0.247721	1.197336	0.231176	0.75022
1471	ENSG00000096968.14	161.3423	-0.35907	0.299897	-1.19731	0.231187	0.75022
1320	ENSG00000089737.17	2743.237	-0.19853	0.165847	-1.19707	0.231278	0.750303
4395	ENSG00000132405.19	1859.498	-0.19398	0.162107	-1.19662	0.231454	0.75045
4369	ENSG00000132155.12	1638.065	-0.192	0.160513	-1.19619	0.231623	0.75045
4344	ENSG00000131791.8	676.4558	-0.25646	0.214402	-1.19618	0.231625	0.75045
406	ENSG00000042286.15	233.0268	-0.31371	0.262271	-1.19614	0.231642	0.75045
1630	ENSG00000100412.16	2645.364	-0.18188	0.152067	-1.19604	0.231682	0.75045
742	ENSG00000068308.13	3256.623	-0.17785	0.148726	-1.1958	0.231773	0.75045
5162	ENSG00000138942.16	1131.499	-0.21299	0.178123	-1.19577	0.231785	0.75045
4443	ENSG00000132763.15	233.4304	-0.30333	0.253727	-1.1955	0.231891	0.750462
7379	ENSG00000165525.18	1273.978	0.196483	0.164402	1.195136	0.232034	0.750462
2145	ENSG00000105137.13	238.913	0.295026	0.246859	1.19512	0.23204	0.750462
388	ENSG00000039319.17	530.1857	-0.29036	0.242962	-1.19509	0.232052	0.750462
6886	ENSG00000162129.14	843.7824	-0.21326	0.178536	-1.19452	0.232275	0.75083
1604	ENSG00000100320.23	2879.371	-0.21889	0.183256	-1.19446	0.232298	0.75083
5622	ENSG00000143862.8	1083.978	-0.20622	0.172683	-1.19419	0.232405	0.750946
3250	ENSG00000117360.13	1151.489	-0.20181	0.169015	-1.19403	0.232465	0.750946
6930	ENSG00000162601.11	532.5682	0.26485	0.22209	1.192534	0.233052	0.752627
4725	ENSG00000135469.13	492.2984	-0.23649	0.198351	-1.19226	0.233158	0.752754
1366	ENSG00000091073.19	396.9412	0.288496	0.242137	1.191459	0.233473	0.75356
8987	ENSG00000181638.20	906.9504	0.206701	0.173554	1.190988	0.233658	0.753944
5409	ENSG00000141642.9	218.5022	0.335092	0.281464	1.190532	0.233837	0.754087
2927	ENSG00000113812.14	631.3307	-0.22493	0.188944	-1.19045	0.233868	0.754087
2142	ENSG00000105127.9	630.7735	-0.22724	0.190933	-1.19013	0.233994	0.754087
10676	ENSG00000236438.7	456.417	0.314088	0.26396	1.189906	0.234083	0.754087
5065	ENSG00000138107.13	5627.035	-0.17321	0.145568	-1.18987	0.234098	0.754087
219	ENSG00000012211.13	479.2664	0.256902	0.215934	1.189724	0.234155	0.754087

6660	ENSG00000159200.18	515.267	-0.2353	0.197786	-1.1897	0.234166	0.754087
8046	ENSG00000170577.8	1819.987	0.218837	0.183977	1.189476	0.234252	0.754151
976	ENSG00000077044.11	1380.354	-0.22018	0.185207	-1.18882	0.23451	0.754741
4964	ENSG00000137266.14	888.2074	-0.2075	0.174577	-1.18858	0.234603	0.754741
5750	ENSG00000145375.9	163.3807	-0.34224	0.287955	-1.1885	0.234635	0.754741
10523	ENSG00000224189.8	876.3179	-0.2109	0.177483	-1.18828	0.234723	0.754813
6168	ENSG00000151743.11	227.5916	-0.30819	0.259404	-1.18808	0.234803	0.754855
1111	ENSG00000082516.9	651.7249	-0.22609	0.190349	-1.18778	0.23492	0.754934
310	ENSG00000025434.19	314.9052	-0.27339	0.230189	-1.18768	0.23496	0.754934
4518	ENSG00000133519.12	631.5043	0.231196	0.194699	1.187454	0.235049	0.754984
6240	ENSG00000152818.18	978.2521	-0.24391	0.205455	-1.18715	0.235168	0.754984
11263	ENSG00000277258.5	3325.575	0.179698	0.151371	1.187136	0.235174	0.754984
2134	ENSG00000104983.8	271.8641	0.28037	0.236312	1.186437	0.23545	0.755484
10704	ENSG00000239306.5	3312.118	0.190037	0.160179	1.186405	0.235463	0.755484
5212	ENSG00000139613.12	5959.29	-0.1757	0.148182	-1.18573	0.235728	0.756058
11180	ENSG00000272752.6	1219.743	-0.21536	0.181641	-1.18562	0.235774	0.756058
3947	ENSG00000126803.9	2841.879	-0.17958	0.151512	-1.18525	0.235917	0.756302
1873	ENSG00000102265.12	168.7135	0.390897	0.329944	1.184736	0.236122	0.756677
4981	ENSG00000137411.19	2515.018	0.201415	0.170044	1.184489	0.23622	0.756677
678	ENSG00000066084.13	1721.486	-0.1932	0.163117	-1.1844	0.236256	0.756677
2019	ENSG00000103855.18	11066.91	0.18708	0.157987	1.184149	0.236354	0.756677
8757	ENSG00000178149.17	973.7441	0.210805	0.178036	1.18406	0.236389	0.756677
9392	ENSG00000185813.11	6666.721	0.194993	0.164701	1.18392	0.236445	0.756677
6417	ENSG00000155816.20	626.3532	0.275947	0.233126	1.183682	0.236539	0.756677
2246	ENSG00000105821.15	724.2269	0.218187	0.184375	1.183388	0.236656	0.756677
7754	ENSG00000168137.18	3429.191	-0.17878	0.151075	-1.18338	0.236657	0.756677
1182	ENSG00000085511.20	1521.933	-0.19562	0.165371	-1.18291	0.236844	0.756677
6284	ENSG00000153707.17	271.438	-0.38305	0.323857	-1.18279	0.236892	0.756677
9757	ENSG00000196743.9	524.2756	-0.2497	0.211117	-1.18277	0.2369	0.756677
4786	ENSG00000135931.18	420.4708	-0.24804	0.209728	-1.18267	0.236941	0.756677
6690	ENSG00000159658.13	1998.267	-0.19192	0.162282	-1.18261	0.236964	0.756677
6434	ENSG00000156026.14	508.3391	-0.24543	0.207595	-1.18228	0.237096	0.756696
10053	ENSG00000198793.13	3908.917	-0.18651	0.157766	-1.18219	0.23713	0.756696
8998	ENSG00000181826.10	308.2453	0.300848	0.254505	1.182091	0.237169	0.756696
601	ENSG00000063180.9	249.1038	0.316278	0.267794	1.18105	0.237583	0.757803
3457	ENSG00000120029.13	843.2484	-0.22501	0.190542	-1.18088	0.237652	0.757811
6110	ENSG00000151012.13	572.2273	-0.26575	0.225141	-1.18037	0.237853	0.758239
3430	ENSG00000119760.16	1501.881	-0.19131	0.162197	-1.17947	0.238211	0.759161
8532	ENSG00000175426.11	7881.643	-0.1994	0.169078	-1.17931	0.238275	0.759161
9945	ENSG00000198157.11	363.9057	0.312097	0.264754	1.178818	0.238471	0.759571
4388	ENSG00000132359.15	10222.65	-0.17711	0.150296	-1.17843	0.238625	0.759812
747	ENSG00000068394.11	1084.928	-0.201	0.170583	-1.17829	0.23868	0.759812
2059	ENSG00000104365.15	713.4182	-0.23006	0.195298	-1.17801	0.238792	0.759865
10183	ENSG00000204371.11	3795.036	0.180767	0.153474	1.177838	0.238861	0.759865
6489	ENSG00000156860.16	3841.412	0.222225	0.188686	1.177749	0.238897	0.759865
3585	ENSG00000122126.17	1011.991	-0.21156	0.179653	-1.17758	0.238964	0.759868
9604	ENSG00000188827.11	870.3683	-0.21958	0.186593	-1.17678	0.239285	0.760675
5137	ENSG00000138735.16	413.5092	-0.30391	0.25843	-1.17597	0.239606	0.761096
7728	ENSG00000167986.14	7532.535	-0.17818	0.151523	-1.17592	0.239628	0.761096
9894	ENSG00000197822.11	461.1885	-0.239	0.203266	-1.1758	0.239676	0.761096
3230	ENSG00000117069.15	1248.7	0.211818	0.180186	1.175556	0.239772	0.761096
8127	ENSG00000171241.9	276.6831	-0.28486	0.242331	-1.17549	0.239797	0.761096

8463	ENSG00000174780.17	1551.506	0.203438	0.173074	1.175441	0.239818	0.761096
5626	ENSG00000143891.17	221.4062	-0.30606	0.260462	-1.17507	0.239965	0.761179
1877	ENSG00000102316.17	3368.02	-0.20135	0.171382	-1.17488	0.240045	0.761179
10413	ENSG00000214357.9	3549.465	-0.18186	0.154794	-1.17487	0.240045	0.761179
3775	ENSG00000124789.12	1327.143	-0.20433	0.173951	-1.17462	0.240146	0.761286
6653	ENSG00000159131.17	1382.41	-0.20083	0.171065	-1.17399	0.240399	0.761378
2859	ENSG00000112984.12	689.2679	-0.22085	0.188169	-1.17369	0.240518	0.761378
624	ENSG00000064601.19	13886.25	-0.17243	0.146915	-1.17367	0.240527	0.761378
8797	ENSG00000178796.13	166.035	0.35847	0.305433	1.173648	0.240536	0.761378
3455	ENSG00000119979.18	283.0754	0.299811	0.255473	1.173552	0.240574	0.761378
2503	ENSG00000108679.13	12826.14	0.173867	0.148155	1.173548	0.240576	0.761378
11038	ENSG00000261556.10	237.0164	-0.32396	0.276336	-1.17235	0.241056	0.762685
960	ENSG00000076344.16	165.3601	0.403105	0.344036	1.171694	0.24132	0.763308
1662	ENSG00000100575.14	445.436	0.240096	0.204961	1.171424	0.241428	0.763439
2208	ENSG00000105576.15	3592.713	-0.18882	0.161215	-1.17125	0.241498	0.763448
3675	ENSG00000123485.12	663.8548	-0.2246	0.1918	-1.17099	0.241603	0.763568
11073	ENSG00000264575.1	275.1302	-0.27415	0.234242	-1.17039	0.241846	0.763992
10708	ENSG00000239672.8	994.4499	0.221248	0.189128	1.169834	0.242068	0.763992
830	ENSG00000071539.14	436.8922	-0.25114	0.214715	-1.16966	0.242136	0.763992
4505	ENSG00000133313.15	2598.534	-0.18922	0.161782	-1.1696	0.242161	0.763992
9140	ENSG00000183337.17	4067.621	0.18377	0.157125	1.169578	0.242171	0.763992
6200	ENSG00000152240.13	369.2135	0.265103	0.22668	1.169504	0.242201	0.763992
2816	ENSG00000112425.16	172.7074	-0.3341	0.285683	-1.16949	0.242207	0.763992
11227	ENSG00000275004.4	346.6534	-0.26283	0.224804	-1.16915	0.242344	0.764128
6025	ENSG00000149269.10	1326.879	-0.19923	0.170419	-1.16905	0.242384	0.764128
6041	ENSG00000149480.7	3558.573	-0.17225	0.147413	-1.16852	0.242599	0.764593
9504	ENSG00000187486.5	3856.488	0.212302	0.181721	1.168286	0.242691	0.764672
7643	ENSG00000167460.17	2505.674	-0.18455	0.158023	-1.16786	0.242864	0.764691
8841	ENSG00000179242.16	4047.683	0.179431	0.153648	1.167808	0.242884	0.764691
679	ENSG00000066117.15	3486.461	-0.17349	0.148562	-1.16777	0.242899	0.764691
8986	ENSG00000181610.13	695.7649	0.214474	0.18375	1.167202	0.243129	0.765174
926	ENSG00000075240.17	462.4375	-0.2405	0.206074	-1.16706	0.243187	0.765174
8608	ENSG00000176410.8	883.2462	0.213639	0.183132	1.166583	0.243379	0.765568
11088	ENSG00000266086.3	201.2313	-0.31887	0.273487	-1.16594	0.243641	0.766062
3337	ENSG00000118564.15	634.5092	0.225267	0.193266	1.165581	0.243784	0.766062
11167	ENSG00000272325.2	3365.402	-0.17333	0.148717	-1.16548	0.243823	0.766062
8899	ENSG00000180104.16	1156.553	-0.19441	0.166816	-1.16543	0.243843	0.766062
6020	ENSG00000149243.15	167.4658	0.346833	0.29762	1.165357	0.243875	0.766062
6340	ENSG00000154545.16	964.5339	0.828278	0.710864	1.16517	0.24395	0.766062
2921	ENSG00000113742.14	791.1903	0.258275	0.22169	1.16503	0.244007	0.766062
9106	ENSG00000182973.18	675.8389	-0.22914	0.19674	-1.16468	0.24415	0.766301
1452	ENSG00000095787.23	1686.342	-0.19676	0.168974	-1.16447	0.244235	0.766357
10002	ENSG00000198563.14	7562.224	-0.18353	0.157645	-1.16418	0.244352	0.766511
10529	ENSG00000224616.3	182.6895	0.37883	0.325517	1.163778	0.244514	0.766808
5774	ENSG00000145736.14	334.9311	-0.29039	0.249608	-1.1634	0.244667	0.767075
4817	ENSG00000136153.20	795.9103	-0.25181	0.216523	-1.16295	0.24485	0.767323
9286	ENSG00000184922.14	257.8	0.299986	0.257988	1.162794	0.244913	0.767323
5908	ENSG00000147604.14	9069.006	0.171864	0.147821	1.162651	0.244971	0.767323
5286	ENSG00000140443.15	4234.051	-0.20385	0.175348	-1.16254	0.245015	0.767323
355	ENSG00000034677.13	441.4073	-0.29639	0.255011	-1.16227	0.245125	0.767455
7278	ENSG00000164751.15	319.6693	0.29959	0.257985	1.161266	0.245534	0.768525
5990	ENSG00000148737.17	159.0239	-0.34399	0.296286	-1.161	0.24564	0.768647

9640	ENSG00000189367.15	645.0321	0.245614	0.211619	1.160642	0.245788	0.768896
3110	ENSG00000115904.13	989.5085	-0.23217	0.200068	-1.16047	0.245859	0.768908
5646	ENSG00000144120.13	466.154	0.247491	0.21331	1.160244	0.245949	0.76898
10337	ENSG00000213337.9	386.6361	0.253731	0.218892	1.159161	0.246391	0.770148
8385	ENSG00000173889.16	676.5352	-0.21592	0.186317	-1.15889	0.246499	0.770276
5166	ENSG00000139116.19	2542.635	0.186163	0.160731	1.158229	0.246771	0.770913
3991	ENSG00000127603.29	4801.862	-0.19608	0.169327	-1.15797	0.246876	0.770973
60	ENSG00000005187.12	179.3938	0.322607	0.278638	1.157802	0.246945	0.770973
6338	ENSG00000154518.9	3306.234	0.193494	0.167139	1.157684	0.246993	0.770973
8378	ENSG00000173821.19	3195.126	-0.18258	0.157768	-1.1573	0.247151	0.771254
1318	ENSG00000089685.15	1744.299	0.182019	0.157468	1.155911	0.247718	0.772332
7006	ENSG00000163138.19	187.9835	-0.33839	0.292844	-1.15554	0.247869	0.772332
10343	ENSG00000213390.11	227.0562	-0.29516	0.255441	-1.1555	0.247886	0.772332
4985	ENSG00000137460.8	183.9614	-0.31467	0.272325	-1.15549	0.247891	0.772332
10967	ENSG00000257923.11	2744.387	0.196489	0.17005	1.15548	0.247894	0.772332
1874	ENSG00000102302.8	1431.902	0.189815	0.164289	1.15537	0.247939	0.772332
8869	ENSG00000179761.12	574.9031	0.236427	0.204647	1.155291	0.247971	0.772332
2852	ENSG00000112877.8	226.4131	-0.31206	0.270161	-1.15509	0.248053	0.772345
2244	ENSG00000105808.18	17285.99	0.191361	0.165727	1.154682	0.248221	0.772345
35	ENSG00000004399.13	2792.971	0.227084	0.196689	1.154532	0.248282	0.772345
9728	ENSG00000196562.14	843.3093	-0.25527	0.221123	-1.15442	0.248329	0.772345
7226	ENSG00000164306.11	206.3336	-0.31224	0.270508	-1.15429	0.248382	0.772345
462	ENSG00000049769.14	459.8564	0.304017	0.263381	1.154288	0.248382	0.772345
5528	ENSG00000143222.12	1572.032	-0.18707	0.162121	-1.15392	0.248533	0.77253
9262	ENSG00000184635.16	182.965	-0.31733	0.275067	-1.15365	0.248644	0.77253
8467	ENSG00000174827.14	910.1733	-0.20474	0.177502	-1.15344	0.24873	0.77253
3503	ENSG00000120742.11	2382.29	0.1768	0.153305	1.153259	0.248804	0.77253
3765	ENSG00000124702.18	4653.401	0.167392	0.145155	1.153195	0.24883	0.77253
6924	ENSG00000162517.13	1680.507	0.188708	0.163655	1.153081	0.248877	0.77253
1191	ENSG00000085788.14	725.2326	-0.22048	0.191224	-1.15299	0.248916	0.77253
1530	ENSG00000099992.16	638.3664	0.233828	0.20286	1.15266	0.24905	0.772671
712	ENSG00000067208.14	248.296	0.304247	0.263995	1.152472	0.249127	0.772671
5819	ENSG00000146278.11	679.8552	0.218398	0.18952	1.152379	0.249165	0.772671
8405	ENSG00000174136.13	854.9911	-0.20592	0.178722	-1.15218	0.249249	0.772719
6497	ENSG00000156970.13	810.6555	-0.23081	0.200394	-1.15181	0.249401	0.772979
5830	ENSG00000146457.16	1552.287	0.188767	0.163973	1.151208	0.249647	0.773219
11002	ENSG00000259956.2	4155.3	-0.17037	0.148	-1.15114	0.249676	0.773219
10995	ENSG00000259663.2	277.6652	-0.28183	0.244831	-1.15112	0.249682	0.773219
9683	ENSG00000196353.11	528.0262	-0.26253	0.228159	-1.15064	0.249881	0.773452
11374	ENSG00000286532.1	203.1947	-0.30779	0.267536	-1.15048	0.249948	0.773452
10258	ENSG00000205336.13	1502.945	0.208614	0.181349	1.150347	0.250001	0.773452
9965	ENSG00000198276.16	1543.638	-0.18868	0.164057	-1.15009	0.250108	0.773452
11108	ENSG00000267645.5	491.5868	0.297577	0.25875	1.150053	0.250122	0.773452
8573	ENSG00000176014.13	359.0549	0.258197	0.224555	1.149818	0.250219	0.773452
8729	ENSG00000177853.14	1206.51	-0.19977	0.173756	-1.14974	0.250253	0.773452
7034	ENSG00000163393.13	335.0051	-0.29307	0.25493	-1.14962	0.2503	0.773452
8354	ENSG00000173575.22	2201.435	0.205376	0.17868	1.149411	0.250386	0.773496
10711	ENSG00000239857.7	1314.522	0.199895	0.173944	1.149193	0.250476	0.773496
5526	ENSG00000143198.13	1403.721	0.227438	0.197929	1.149091	0.250518	0.773496
4952	ENSG00000137171.15	943.8296	-0.2206	0.192049	-1.14865	0.2507	0.773848
5455	ENSG00000142252.11	588.9985	0.220782	0.192343	1.147854	0.251029	0.774598
7891	ENSG00000169217.9	2908.455	0.180837	0.157578	1.147603	0.251133	0.774598

7194	ENSG00000164134.13	948.7402	0.215216	0.187542	1.147567	0.251148	0.774598
6126	ENSG00000151240.17	721.772	-0.21101	0.184069	-1.14637	0.251641	0.77591
38	ENSG00000004487.17	2863.144	0.177971	0.155317	1.145859	0.251854	0.775994
2959	ENSG00000114374.13	1105.575	0.205371	0.179246	1.145752	0.251898	0.775994
1634	ENSG00000100418.8	1642.235	-0.20395	0.178003	-1.14574	0.251902	0.775994
5308	ENSG00000140598.15	653.9261	-0.21645	0.188975	-1.14541	0.252041	0.775994
7407	ENSG00000165704.15	1016.952	0.198495	0.173316	1.145281	0.252093	0.775994
10659	ENSG00000235194.9	1729.914	-0.19664	0.17171	-1.14519	0.25213	0.775994
1197	ENSG00000085978.22	511.2477	-0.22731	0.198496	-1.14515	0.252145	0.775994
10187	ENSG00000204389.10	3692.894	-0.17458	0.152546	-1.14445	0.252438	0.776686
204	ENSG00000011376.12	978.4377	-0.21452	0.187502	-1.14412	0.252574	0.776893
11203	ENSG00000273604.2	170.8259	0.342096	0.299054	1.143928	0.252654	0.776929
2497	ENSG00000108641.19	985.4926	0.208801	0.182641	1.143234	0.252942	0.777391
2352	ENSG00000106868.17	594.8766	-0.22914	0.200464	-1.14306	0.253015	0.777391
10380	ENSG00000213903.9	1260.028	0.294968	0.258067	1.142991	0.253042	0.777391
10381	ENSG00000213906.10	214.1534	0.312541	0.273568	1.142461	0.253263	0.777391
3115	ENSG00000115947.14	634.3317	-0.26766	0.234288	-1.14242	0.253278	0.777391
2263	ENSG00000105976.15	650.6525	-0.21617	0.189222	-1.14239	0.253291	0.777391
11208	ENSG00000273820.2	733.2191	-0.2085	0.182573	-1.14203	0.25344	0.777391
6352	ENSG00000154743.18	170.1844	0.319228	0.279565	1.141875	0.253506	0.777391
3029	ENSG00000115204.15	1120.268	-0.19369	0.169662	-1.14162	0.253611	0.777391
3515	ENSG00000120885.22	35097.13	0.160182	0.140311	1.141621	0.253612	0.777391
9577	ENSG00000188542.10	210.586	0.295439	0.258796	1.141591	0.253624	0.777391
3325	ENSG00000118276.11	388.5646	0.262928	0.23033	1.141527	0.253651	0.777391
5471	ENSG00000142599.19	6604.278	0.188403	0.165059	1.141429	0.253692	0.777391
6870	ENSG00000161980.6	447.7125	0.23187	0.203225	1.140952	0.25389	0.777574
2106	ENSG00000104853.16	9378.122	0.176976	0.155128	1.14084	0.253936	0.777574
7568	ENSG00000166881.10	685.7457	-0.24866	0.218043	-1.14041	0.254115	0.777574
7863	ENSG00000169019.11	496.4081	0.237478	0.208246	1.140376	0.25413	0.777574
5280	ENSG00000140396.13	719.4736	-0.23132	0.202884	-1.14018	0.254211	0.777574
5566	ENSG00000143457.11	339.3081	-0.26709	0.234265	-1.1401	0.254243	0.777574
7297	ENSG00000164919.11	1125.872	0.212232	0.186173	1.139971	0.254298	0.777574
4386	ENSG00000132341.12	7261.552	0.197759	0.173485	1.139922	0.254319	0.777574
10291	ENSG00000205856.4	446.7001	-0.26251	0.230341	-1.13966	0.254429	0.777574
207	ENSG00000011451.21	3391.478	0.188584	0.165476	1.139645	0.254434	0.777574
2159	ENSG00000105245.9	864.7337	0.211495	0.185647	1.139235	0.254605	0.777836
6603	ENSG00000158457.6	2491.608	0.179708	0.157762	1.139112	0.254657	0.777836
1284	ENSG00000088899.15	2112.626	0.205865	0.180764	1.138861	0.254761	0.777901
649	ENSG00000065328.16	176.2266	-0.31256	0.274477	-1.13873	0.254814	0.777901
5798	ENSG00000146007.11	1649.147	0.182114	0.159971	1.138417	0.254946	0.778079
9846	ENSG00000197380.11	186.4426	0.327597	0.287832	1.138151	0.255058	0.778079
9560	ENSG00000188312.14	368.8233	-0.25832	0.226987	-1.13804	0.255102	0.778079
506	ENSG00000054523.18	2032.026	-0.19705	0.173183	-1.13781	0.255201	0.778079
8772	ENSG00000178385.15	499.5242	-0.26222	0.23047	-1.13778	0.255214	0.778079
6794	ENSG00000160783.19	1446.887	0.187743	0.165051	1.137485	0.255336	0.77824
5465	ENSG00000142530.11	283.9808	0.300084	0.263891	1.137153	0.255474	0.77826
3601	ENSG00000122483.17	236.054	-0.31332	0.27561	-1.13683	0.255609	0.77826
6306	ENSG00000154016.14	226.9307	-0.30468	0.268049	-1.13667	0.255678	0.77826
2543	ENSG00000109111.15	5298.459	-0.1836	0.161531	-1.13664	0.25569	0.77826
1609	ENSG00000100335.15	1587.927	-0.18237	0.160456	-1.13659	0.25571	0.77826
4835	ENSG00000136274.9	405.3793	0.27978	0.246179	1.136489	0.255752	0.77826
3101	ENSG00000115825.11	667.2786	0.214701	0.188998	1.135994	0.255959	0.778681

3475	ENSG00000120451.10	3057.621	-0.20501	0.18062	-1.13501	0.256373	0.779733
1713	ENSG00000100916.14	185.5871	0.308459	0.271813	1.134822	0.25645	0.779755
11253	ENSG00000276791.1	323.5392	0.313917	0.276669	1.134632	0.256529	0.779755
4677	ENSG00000135090.14	429.3331	-0.23443	0.206636	-1.1345	0.256586	0.779755
9139	ENSG00000183336.8	169.5459	0.350696	0.309228	1.134102	0.256752	0.780051
2828	ENSG00000112640.16	1632.155	-0.19564	0.172644	-1.13323	0.257119	0.780959
8053	ENSG00000170624.13	829.1365	-0.23076	0.203728	-1.13269	0.257342	0.781385
1416	ENSG00000092931.11	895.5499	-0.20823	0.18386	-1.13257	0.257397	0.781385
3712	ENSG00000124160.12	1718.83	-0.18211	0.16084	-1.13223	0.25754	0.781506
6789	ENSG00000160752.15	20492.58	-0.16375	0.144642	-1.1321	0.257594	0.781506
10611	ENSG00000231764.10	215.2941	-0.29323	0.259037	-1.13198	0.257642	0.781506
10684	ENSG00000237172.4	948.8787	-0.20831	0.184076	-1.13167	0.257773	0.781583
4037	ENSG00000128335.14	904.5163	-0.20199	0.178548	-1.13127	0.257941	0.781583
1378	ENSG00000091490.11	577.3945	-0.2279	0.201479	-1.13112	0.258003	0.781583
3037	ENSG00000115267.8	194.0725	0.302164	0.267184	1.130919	0.258089	0.781583
1679	ENSG00000100647.8	800.4542	-0.20404	0.180425	-1.13086	0.258113	0.781583
6632	ENSG00000158815.11	167.7571	-0.36153	0.319733	-1.13071	0.258177	0.781583
10809	ENSG00000244462.8	1787.183	-0.2246	0.198653	-1.1306	0.258222	0.781583
7771	ENSG00000168273.8	327.8116	0.279867	0.247563	1.130485	0.258272	0.781583
305	ENSG00000024526.17	607.5436	0.239489	0.211852	1.130453	0.258286	0.781583
10568	ENSG00000227372.12	1448.42	-0.19197	0.169886	-1.12997	0.258488	0.781802
8155	ENSG00000171469.11	625.4706	-0.21936	0.194156	-1.12983	0.258546	0.781802
7929	ENSG00000169609.14	708.9484	0.268337	0.237558	1.129564	0.25866	0.781802
11324	ENSG00000282416.1	218.3619	0.343978	0.304525	1.129554	0.258664	0.781802
9070	ENSG00000182628.13	972.4453	0.210652	0.186506	1.129467	0.258701	0.781802
6693	ENSG00000159713.11	277.526	0.267316	0.236846	1.128648	0.259046	0.782375
2721	ENSG00000111652.10	1300.271	-0.1897	0.168099	-1.12852	0.2591	0.782375
10817	ENSG00000245680.11	156.7635	-0.32942	0.291927	-1.12843	0.259137	0.782375
2668	ENSG00000110925.7	668.247	-0.20826	0.184595	-1.12822	0.259225	0.782375
9514	ENSG00000187624.9	391.3139	0.260733	0.231263	1.127433	0.259559	0.782375
3844	ENSG00000125772.14	240.5227	-0.2772	0.245883	-1.12738	0.259584	0.782375
9926	ENSG00000198026.8	1977.6	-0.21376	0.189635	-1.1272	0.259656	0.782375
5662	ENSG00000144357.17	1128.853	0.20805	0.184591	1.127086	0.259706	0.782375
1785	ENSG00000101407.13	2349.222	-0.18907	0.167759	-1.12702	0.259733	0.782375
5233	ENSG00000139737.22	666.1061	-0.21093	0.187204	-1.12671	0.259864	0.782375
7524	ENSG00000166484.20	1475.925	0.188628	0.167425	1.12664	0.259895	0.782375
7001	ENSG00000163093.12	281.5104	0.287709	0.255442	1.126319	0.26003	0.782375
11293	ENSG00000279059.1	304.3833	-0.26163	0.232311	-1.12621	0.260079	0.782375
5259	ENSG00000140262.18	1090.216	-0.22266	0.19773	-1.12611	0.26012	0.782375
6232	ENSG00000152700.14	1716.343	0.212799	0.188983	1.126023	0.260156	0.782375
8235	ENSG00000172315.6	723.4166	-0.21064	0.187069	-1.12598	0.260174	0.782375
7726	ENSG00000167978.17	39583.58	0.21182	0.188124	1.125961	0.260182	0.782375
11234	ENSG00000275342.5	306.6902	0.275649	0.244845	1.125812	0.260245	0.782375
2561	ENSG00000109445.11	533.8124	0.2237	0.198704	1.125797	0.260251	0.782375
10228	ENSG00000204852.16	688.0238	-0.21737	0.193126	-1.12554	0.26036	0.782375
343	ENSG00000033011.13	2402.465	0.187481	0.166606	1.125296	0.260464	0.782375
391	ENSG00000039650.12	1801.286	0.216692	0.192566	1.125285	0.260468	0.782375
10806	ENSG00000244398.1	1189.681	0.187262	0.166437	1.125121	0.260538	0.782375
10223	ENSG00000204713.11	2057.068	-0.18131	0.16115	-1.12512	0.26054	0.782375
1978	ENSG00000103319.12	592.5928	-0.23167	0.205974	-1.12475	0.260697	0.782428
4730	ENSG00000135503.13	4919.621	-0.16511	0.146803	-1.12469	0.26072	0.782428
2104	ENSG00000104835.15	1079.783	0.221204	0.196713	1.1245	0.260801	0.782428

1198	ENSG00000085982.13	915.849	-0.21324	0.189655	-1.12434	0.260867	0.782428
6091	ENSG00000150627.15	383.5672	-0.26574	0.236426	-1.124	0.261015	0.782428
7777	ENSG00000168288.13	1167.834	0.20618	0.183445	1.123936	0.26104	0.782428
4479	ENSG00000133065.11	998.0352	-0.21276	0.189344	-1.12365	0.26116	0.782428
9688	ENSG00000196367.14	6004.924	-0.18381	0.163581	-1.12365	0.261163	0.782428
6617	ENSG00000158669.11	6005.211	-0.19255	0.171369	-1.12362	0.261176	0.782428
3273	ENSG00000117525.14	300.5639	-0.26474	0.235663	-1.12337	0.26128	0.782534
11379	ENSG00000287126.1	666.6702	-0.25734	0.229229	-1.12263	0.261593	0.783239
3498	ENSG00000120709.11	1229.658	-0.18644	0.166107	-1.12243	0.26168	0.783239
4958	ENSG00000137207.12	4681.195	0.179096	0.159575	1.122325	0.261724	0.783239
5789	ENSG00000145912.9	1820.842	0.179075	0.159589	1.122102	0.261819	0.783239
4759	ENSG00000135749.19	416.3851	-0.25085	0.223576	-1.12201	0.261859	0.783239
7086	ENSG00000163659.13	357.8659	-0.24441	0.217905	-1.12164	0.262016	0.78335
2479	ENSG00000108515.18	251.9275	-0.28718	0.256081	-1.12144	0.2621	0.78335
5698	ENSG00000144713.13	7184.734	0.193111	0.172224	1.12128	0.262169	0.78335
2966	ENSG00000114423.23	434.1896	-0.26145	0.233173	-1.12126	0.262178	0.78335
1981	ENSG00000103343.13	437.0411	-0.22976	0.205001	-1.12078	0.262381	0.78335
1492	ENSG00000099381.18	2587.038	0.178376	0.159164	1.120703	0.262414	0.78335
614	ENSG00000064115.11	1298.608	-0.18773	0.167516	-1.12066	0.262433	0.78335
5001	ENSG00000137601.17	307.1243	0.269184	0.240212	1.12061	0.262454	0.78335
368	ENSG00000036530.9	424.8877	0.283654	0.253157	1.120466	0.262515	0.78335
6899	ENSG00000162300.13	1084.992	0.198415	0.177119	1.120233	0.262614	0.78344
2048	ENSG00000104290.11	741.8023	-0.217	0.193806	-1.11968	0.262849	0.783817
8440	ENSG00000174516.15	1740.03	0.178758	0.15966	1.119613	0.262879	0.783817
1141	ENSG00000083838.16	891.5564	0.223609	0.199755	1.119415	0.262963	0.783864
6445	ENSG00000156239.12	221.0041	-0.28712	0.256558	-1.11914	0.26308	0.784007
11001	ENSG00000259953.2	209.3551	-0.29018	0.259413	-1.11861	0.263308	0.78424
6776	ENSG00000160633.13	3857.461	-0.18042	0.161296	-1.11856	0.263327	0.78424
10750	ENSG00000241852.10	246.5813	0.276611	0.247311	1.118474	0.263365	0.78424
5198	ENSG00000139428.12	2578.622	-0.17083	0.152818	-1.11786	0.263627	0.784699
9153	ENSG00000183506.17	1596.688	-0.19064	0.170553	-1.11779	0.263657	0.784699
977	ENSG00000077063.11	202.6106	-0.2971	0.265868	-1.11746	0.263797	0.784868
9917	ENSG00000197976.12	3179.026	-0.17535	0.156933	-1.11733	0.263851	0.784868
3333	ENSG00000118495.20	13824.8	-0.16479	0.147538	-1.11692	0.264027	0.785186
4294	ENSG00000131236.17	2932.566	-0.19908	0.178401	-1.11593	0.26445	0.78624
9500	ENSG00000187266.14	1552.274	0.189109	0.169522	1.115537	0.26462	0.786539
10516	ENSG00000223959.8	960.9242	-0.23565	0.211293	-1.11529	0.264728	0.786564
3116	ENSG00000115963.13	277.0442	0.288279	0.258503	1.115187	0.26477	0.786564
5348	ENSG00000141034.10	318.9022	-0.24966	0.223922	-1.11495	0.264871	0.786564
5163	ENSG00000138944.8	2043.524	-0.21538	0.193207	-1.11474	0.264961	0.786564
2293	ENSG00000106330.12	662.9731	0.223905	0.200896	1.114531	0.265051	0.786564
10792	ENSG00000243927.6	689.0098	0.206145	0.184964	1.114515	0.265058	0.786564
11196	ENSG00000273274.2	352.8097	-0.24981	0.224165	-1.11439	0.265112	0.786564
8436	ENSG00000174483.20	848.4715	-0.20836	0.18701	-1.11415	0.265214	0.78666
6556	ENSG00000157827.20	1537.542	-0.18093	0.162438	-1.11385	0.265345	0.786755
4815	ENSG00000136146.15	821.0619	-0.19668	0.176587	-1.11376	0.265384	0.786755
1603	ENSG00000100319.13	628.5564	0.23003	0.206607	1.113373	0.265548	0.78689
11081	ENSG00000265681.7	6564.185	0.193445	0.173773	1.113205	0.26562	0.78689
5176	ENSG00000139182.15	9098.757	0.169943	0.152707	1.112873	0.265763	0.78689
3825	ENSG00000125648.15	4186.061	0.165384	0.148623	1.112776	0.265805	0.78689
4316	ENSG00000131470.15	574.6419	-0.22734	0.20431	-1.11274	0.265819	0.78689
9224	ENSG00000184207.9	3845.336	0.180423	0.162151	1.112684	0.265844	0.78689

1657	ENSG00000100532.12	219.8814	0.286261	0.257355	1.112316	0.266002	0.786995
2462	ENSG00000108375.13	679.2704	-0.21341	0.1919	-1.11207	0.266107	0.786995
8056	ENSG00000170632.14	557.5706	0.230366	0.207163	1.112002	0.266137	0.786995
5730	ENSG00000145191.15	1505.839	-0.19936	0.179291	-1.11195	0.266161	0.786995
868	ENSG00000072832.15	10557.87	-0.16008	0.14398	-1.11118	0.266225	0.786995
4116	ENSG00000129422.14	1209.5	-0.18765	0.168861	-1.11129	0.266441	0.78743
6100	ENSG00000150779.12	734.3918	0.207582	0.18684	1.111016	0.266561	0.787581
3075	ENSG00000115526.11	696.2931	-0.20344	0.183253	-1.11015	0.266933	0.788284
2486	ENSG00000108561.8	1540.575	0.201318	0.181346	1.11013	0.266943	0.788284
1158	ENSG00000084652.16	4290.676	-0.16846	0.151773	-1.10993	0.26703	0.788284
4957	ENSG00000137200.13	1440.013	-0.18642	0.167994	-1.10967	0.267141	0.788284
8563	ENSG00000175866.15	1084.461	0.217192	0.195796	1.109278	0.26731	0.788284
1231	ENSG00000087116.16	2243.78	0.170823	0.154001	1.109229	0.267332	0.788284
9363	ENSG00000185551.15	391.9494	0.237622	0.214228	1.1092	0.267344	0.788284
1332	ENSG00000090061.17	1638.607	0.198699	0.179145	1.109148	0.267366	0.788284
4489	ENSG00000133131.15	330.5645	-0.24949	0.224967	-1.10899	0.267435	0.788284
8568	ENSG00000175906.5	725.3432	0.216343	0.195105	1.108857	0.267492	0.788284
7502	ENSG00000166377.20	431.1357	-0.28818	0.260015	-1.10831	0.267728	0.788777
2026	ENSG00000104044.16	507.4533	0.255415	0.230513	1.10803	0.267849	0.788928
2317	ENSG00000106546.14	219.9663	-0.30325	0.273725	-1.10786	0.267924	0.788945
2911	ENSG00000113645.15	1681.962	-0.17517	0.158198	-1.1073	0.268163	0.789169
3967	ENSG00000127191.18	1372.421	0.207164	0.187103	1.107221	0.268198	0.789169
9463	ENSG00000186716.21	4084.986	0.187955	0.169758	1.107199	0.268208	0.789169
3896	ENSG00000126088.14	1288.659	0.201275	0.181879	1.106645	0.268447	0.789547
10146	ENSG00000204128.6	825.6335	0.214639	0.193966	1.106581	0.268475	0.789547
6719	ENSG00000160097.19	261.3719	0.305986	0.276661	1.105998	0.268727	0.790085
3030	ENSG00000115207.13	1819.499	-0.18641	0.168578	-1.1058	0.268814	0.790135
11138	ENSG00000269911.1	171.8415	-0.3074	0.278092	-1.1054	0.268985	0.790433
6448	ENSG00000156261.13	3121.676	0.178203	0.161234	1.105244	0.269054	0.790433
141	ENSG00000008086.13	397.5097	-0.23863	0.216064	-1.10445	0.269398	0.790953
1833	ENSG00000101882.10	646.3395	0.209329	0.189549	1.10435	0.269441	0.790953
2120	ENSG00000104904.12	12460.21	0.155689	0.140994	1.104227	0.269495	0.790953
7964	ENSG00000169902.15	427.6696	-0.228	0.206485	-1.10419	0.269509	0.790953
2829	ENSG00000112651.12	606.3241	0.214505	0.194359	1.103653	0.269744	0.791438
9986	ENSG00000198464.14	350.8648	0.264387	0.239652	1.10321	0.269936	0.791678
5359	ENSG00000141232.5	711.8892	0.213805	0.193814	1.103144	0.269965	0.791678
2917	ENSG00000113719.16	2576.709	-0.17165	0.155647	-1.10282	0.270106	0.791889
1359	ENSG00000090924.15	1800.118	0.192922	0.175018	1.102298	0.270332	0.792285
4946	ENSG00000137142.5	3601.093	-0.20393	0.18502	-1.10219	0.27038	0.792285
6457	ENSG00000156398.13	745.4289	-0.209	0.189651	-1.10203	0.270451	0.792288
6985	ENSG00000162980.17	563.2336	0.237564	0.215903	1.100324	0.271191	0.793538
7268	ENSG00000164659.15	539.0678	0.267845	0.243433	1.100282	0.271209	0.793538
7686	ENSG00000167695.15	1199.881	-0.21085	0.191661	-1.1001	0.271289	0.793538
11339	ENSG00000284308.1	390.5139	0.249687	0.226975	1.100066	0.271303	0.793538
4219	ENSG00000130695.15	1184.537	-0.18512	0.168316	-1.09985	0.271397	0.793538
3004	ENSG00000114904.13	396.0947	-0.25569	0.232487	-1.09979	0.271424	0.793538
3373	ENSG00000119280.17	650.7507	-0.21436	0.194932	-1.09965	0.271485	0.793538
3302	ENSG00000117859.19	932.5768	-0.19559	0.177898	-1.09942	0.271583	0.793538
9308	ENSG00000185088.14	233.9525	0.29307	0.26657	1.099411	0.271589	0.793538
11118	ENSG00000268460.2	443.3715	-0.24924	0.22673	-1.09927	0.271651	0.793538
3169	ENSG00000116478.12	4004.337	-0.16422	0.149407	-1.09913	0.271712	0.793538
9484	ENSG00000187097.12	420.8909	-0.23143	0.210556	-1.09912	0.271714	0.793538

10515	ENSG00000223891.6	235.5759	-0.29242	0.266378	-1.09776	0.27231	0.795075
2139	ENSG00000105072.9	181.8241	-0.30812	0.280722	-1.09759	0.272383	0.795085
6111	ENSG00000151014.6	210.2464	-0.28861	0.263001	-1.09739	0.272473	0.795142
3826	ENSG00000125650.4	308.0535	0.274132	0.249841	1.097226	0.272542	0.795142
340	ENSG00000032389.13	972.8874	-0.18887	0.172321	-1.09605	0.273055	0.796214
1576	ENSG00000100221.10	1269.923	-0.18053	0.164725	-1.09595	0.273102	0.796214
11142	ENSG00000270012.1	344.8212	-0.25157	0.229552	-1.09591	0.273119	0.796214
4034	ENSG00000128294.16	1001.368	-0.21504	0.196277	-1.09559	0.273259	0.79626
2093	ENSG00000104731.14	1203.766	-0.211	0.192627	-1.09539	0.273345	0.79626
2825	ENSG00000112592.14	333.0345	-0.25497	0.232797	-1.09525	0.273409	0.79626
6149	ENSG00000151502.11	3313.411	-0.16313	0.14895	-1.09521	0.273426	0.79626
6813	ENSG00000160991.16	3911.034	0.17047	0.155695	1.094895	0.273563	0.79626
2439	ENSG00000108061.12	380.7833	0.277736	0.253685	1.094805	0.273602	0.79626
9210	ENSG00000184047.20	1381.207	0.203606	0.185987	1.094737	0.273632	0.79626
10161	ENSG00000204227.5	1875.394	0.181984	0.166284	1.094413	0.273774	0.79626
8677	ENSG00000177239.15	4015.715	0.188241	0.172048	1.094122	0.273901	0.79626
4667	ENSG00000135002.12	871.9667	0.223065	0.203877	1.09412	0.273902	0.79626
8284	ENSG00000172840.7	1358.163	-0.18168	0.16605	-1.09411	0.273905	0.79626
6056	ENSG00000149639.15	4917.684	-0.18427	0.168501	-1.09358	0.274137	0.796734
3021	ENSG00000115112.8	218.9056	-0.28271	0.258747	-1.09262	0.274559	0.797446
7930	ENSG00000169612.4	497.6931	0.238509	0.218314	1.092506	0.274611	0.797446
6086	ENSG00000150459.12	2443.575	0.170354	0.155935	1.092464	0.274629	0.797446
4423	ENSG00000132603.15	313.4336	-0.24592	0.225163	-1.09219	0.274749	0.797446
10638	ENSG00000233937.7	240.6623	-0.29025	0.265767	-1.09214	0.274773	0.797446
5888	ENSG00000147364.17	741.1509	0.2338	0.214089	1.092069	0.274803	0.797446
6508	ENSG00000157077.14	707.4185	-0.20834	0.190839	-1.09169	0.274968	0.797546
5360	ENSG00000141252.20	2320.151	-0.23008	0.210763	-1.09167	0.274977	0.797546
2953	ENSG00000114302.16	1587.543	-0.18128	0.166149	-1.09108	0.275239	0.797936
10004	ENSG00000198585.12	1643.67	0.20259	0.185684	1.091048	0.275252	0.797936
3104	ENSG00000115839.18	1466.722	-0.1886	0.172963	-1.09043	0.275526	0.798416
4319	ENSG00000131477.11	207.734	0.312966	0.287039	1.090325	0.27557	0.798416
484	ENSG00000051825.15	663.1506	-0.23076	0.211692	-1.09006	0.275686	0.798416
11342	ENSG00000284707.2	184.8013	0.301155	0.27628	1.090035	0.275698	0.798416
468	ENSG00000050327.15	1843.305	-0.18772	0.17225	-1.08981	0.275797	0.7985
5822	ENSG00000146350.14	157.9215	0.334089	0.306637	1.089527	0.275922	0.798658
1815	ENSG00000101639.18	586.2956	-0.20997	0.19275	-1.08931	0.276016	0.798705
2174	ENSG00000105339.10	636.1211	-0.21111	0.193827	-1.08917	0.276078	0.798705
3979	ENSG00000127481.15	9119.686	0.23508	0.21589	1.088887	0.276204	0.798865
3444	ENSG00000119899.13	595.5245	-0.20793	0.191045	-1.08838	0.276428	0.798981
1432	ENSG00000094916.16	5271.886	-0.16037	0.147363	-1.08827	0.276477	0.798981
4816	ENSG00000136152.15	637.4476	0.213614	0.196291	1.088257	0.276482	0.798981
2400	ENSG00000107731.12	414.8022	0.252465	0.23202	1.088115	0.276544	0.798981
10277	ENSG00000205629.12	966.3439	0.187085	0.171953	1.088001	0.276595	0.798981
8903	ENSG00000180190.11	217.1377	-0.28513	0.262346	-1.08685	0.277104	0.800248
2167	ENSG00000105289.15	258.3324	-0.31533	0.290226	-1.08648	0.277267	0.800344
3637	ENSG00000122966.16	1419.317	-0.22109	0.203549	-1.08619	0.277396	0.800344
7277	ENSG00000164749.13	260.8074	0.337112	0.310491	1.085739	0.277594	0.800344
1399	ENSG00000092199.17	6704.75	0.199836	0.184059	1.085722	0.277602	0.800344
5463	ENSG00000142507.10	1966.808	0.184811	0.170228	1.085669	0.277626	0.800344
9960	ENSG00000198246.9	160.7541	0.307837	0.283547	1.085667	0.277626	0.800344
876	ENSG00000073111.14	6525.286	-0.17292	0.159281	-1.08566	0.277629	0.800344
2586	ENSG00000109790.16	289.4915	0.282318	0.260252	1.084787	0.278016	0.801078

2339	ENSG00000106692.15	422.7647	-0.28835	0.265815	-1.08477	0.278024	0.801078
2554	ENSG00000109320.13	669.7776	-0.20127	0.185656	-1.08412	0.278313	0.801551
10976	ENSG00000258634.3	503.2192	-0.24532	0.22629	-1.08408	0.278329	0.801551
7667	ENSG00000167588.13	1420.767	-0.18567	0.171337	-1.08363	0.27853	0.801916
1804	ENSG00000101544.9	533.3627	-0.20973	0.19358	-1.08345	0.278609	0.801916
3354	ENSG00000118900.15	3094.666	-0.16791	0.154996	-1.08332	0.278667	0.801916
2001	ENSG00000103510.20	1010.153	-0.19181	0.177131	-1.08286	0.278869	0.802095
6778	ENSG00000160685.13	985.2	0.205244	0.189538	1.082861	0.27887	0.802095
10165	ENSG00000204256.13	9254.09	-0.16352	0.15111	-1.08213	0.279193	0.802474
10108	ENSG00000198930.13	697.09	0.197916	0.182923	1.081963	0.279269	0.802474
1181	ENSG00000085491.17	810.1464	0.238861	0.220789	1.081852	0.279318	0.802474
1009	ENSG00000078140.14	2664.151	0.16931	0.15651	1.081786	0.279348	0.802474
1555	ENSG00000100105.18	2072.591	0.181667	0.167979	1.08149	0.279479	0.802474
10272	ENSG00000205571.14	391.26	-0.26488	0.244932	-1.08146	0.279494	0.802474
6375	ENSG00000155093.19	13142	-0.15228	0.140838	-1.08126	0.279583	0.802474
451	ENSG00000049089.15	1868.268	0.201781	0.18664	1.081125	0.279642	0.802474
4491	ENSG00000133135.14	741.2129	0.209958	0.19421	1.081086	0.279659	0.802474
9099	ENSG00000182919.15	688.0719	-0.21068	0.194942	-1.08073	0.279819	0.802474
938	ENSG00000075539.15	556.4567	0.217771	0.201583	1.080306	0.280006	0.802474
5449	ENSG00000142192.21	15131.1	-0.16834	0.155833	-1.08023	0.280041	0.802474
1478	ENSG00000099204.20	771.9372	-0.21581	0.199786	-1.08022	0.280043	0.802474
6951	ENSG00000162734.13	1914.623	-0.18204	0.168523	-1.0802	0.280053	0.802474
2774	ENSG00000112081.17	3759.815	0.16973	0.15713	1.080187	0.280059	0.802474
2938	ENSG00000114054.14	377.7925	-0.24222	0.224304	-1.07986	0.280206	0.802693
6137	ENSG00000151376.16	263.1237	-0.28469	0.263685	-1.07967	0.280291	0.802735
10290	ENSG00000205808.7	490.133	-0.21549	0.199742	-1.07884	0.28066	0.803502
4522	ENSG00000133619.17	1106.959	0.248611	0.230553	1.078323	0.28089	0.803502
9534	ENSG00000187902.11	608.156	0.207134	0.192105	1.078234	0.280929	0.803502
4731	ENSG00000135506.16	9429.703	-0.16154	0.14983	-1.07817	0.28096	0.803502
6600	ENSG00000158427.15	389.6388	0.261089	0.242168	1.07813	0.280976	0.803502
11	ENSG00000001629.10	1275.094	-0.18252	0.169292	-1.07812	0.280982	0.803502
8767	ENSG00000178252.18	14783.1	0.168816	0.156671	1.077521	0.281247	0.804002
9109	ENSG00000182985.17	5954.019	-0.19226	0.178484	-1.07718	0.281398	0.804002
5094	ENSG00000138399.18	374.5119	0.25914	0.240581	1.077145	0.281416	0.804002
6012	ENSG00000149177.13	310.205	-0.2474	0.229797	-1.07662	0.281651	0.804002
5260	ENSG00000140263.15	1248.546	-0.18183	0.168909	-1.0765	0.281702	0.804002
4493	ENSG00000133142.17	1261.501	0.177928	0.165283	1.076504	0.281702	0.804002
7489	ENSG00000166289.6	170.9143	0.315437	0.293022	1.076496	0.281706	0.804002
9990	ENSG00000198496.12	435.0105	-0.22714	0.211006	-1.07646	0.281722	0.804002
1421	ENSG00000093010.14	1687.511	0.171724	0.159559	1.076239	0.281821	0.804082
2898	ENSG00000113558.19	2680.087	0.190527	0.177162	1.075436	0.282179	0.804653
2144	ENSG00000105136.21	210.0178	-0.28498	0.265	-1.07539	0.282201	0.804653
3358	ENSG00000118960.13	1505.821	0.174532	0.162336	1.075126	0.282318	0.804653
5517	ENSG00000143157.12	2193.05	-0.19769	0.183891	-1.07502	0.282365	0.804653
3605	ENSG00000122512.16	185.9815	-0.28791	0.267892	-1.07474	0.282491	0.804653
3705	ENSG00000124098.10	1568.764	-0.17127	0.159369	-1.07465	0.282532	0.804653
6385	ENSG00000155252.13	1877.789	-0.16848	0.156798	-1.07452	0.282591	0.804653
1579	ENSG00000100227.18	2684.436	-0.16264	0.151422	-1.07411	0.282775	0.804653
4339	ENSG00000131759.18	275.1148	0.258526	0.240792	1.073649	0.28298	0.804653
4552	ENSG00000133961.20	937.1732	-0.18742	0.17457	-1.07363	0.282989	0.804653
5174	ENSG00000139178.11	372.6474	-0.2509	0.233807	-1.07309	0.283232	0.804653
5502	ENSG00000143001.5	221.1201	0.29655	0.276356	1.073073	0.283238	0.804653

4641	ENSG00000134780.10	1927.491	0.183044	0.17058	1.073071	0.283239	0.804653
7628	ENSG00000167306.20	1064.91	-0.18176	0.169405	-1.07295	0.283294	0.804653
6709	ENSG00000160049.12	1909.046	-0.16679	0.155459	-1.07291	0.283309	0.804653
7500	ENSG00000166347.19	837.4691	0.200886	0.187246	1.072844	0.283341	0.804653
4486	ENSG00000133114.18	456.7587	0.216016	0.201368	1.072746	0.283385	0.804653
5283	ENSG00000140403.12	1193.348	-0.18042	0.168184	-1.07273	0.283339	0.804653
2622	ENSG00000110274.16	1584.499	-0.19065	0.177756	-1.07255	0.283474	0.804653
3397	ENSG00000119522.16	1550.919	0.181304	0.169042	1.072533	0.283481	0.804653
7239	ENSG00000164402.14	1914.194	-0.17457	0.16277	-1.07248	0.283505	0.804653
6936	ENSG00000162627.17	895.3747	0.187815	0.175196	1.072026	0.283708	0.804914
10463	ENSG00000215908.10	910.9997	-0.19497	0.181883	-1.07196	0.283738	0.804914
10826	ENSG00000246705.4	2693.139	0.17629	0.164498	1.071684	0.283862	0.805065
5194	ENSG00000139370.12	552.2966	-0.20864	0.194814	-1.07096	0.284187	0.805406
10697	ENSG00000237975.7	536.7161	-0.24588	0.2296	-1.07089	0.284217	0.805406
6174	ENSG00000151835.16	521.4456	0.224645	0.209832	1.070595	0.284352	0.805406
10854	ENSG00000249115.9	875.495	0.190621	0.178097	1.070326	0.284473	0.805406
2057	ENSG00000104356.11	245.2715	-0.26427	0.246907	-1.07032	0.284474	0.805406
3724	ENSG00000124214.19	5751.692	-0.1694	0.158318	-1.07003	0.284605	0.805406
4240	ENSG00000130762.15	963.9809	0.20992	0.196187	1.070002	0.284618	0.805406
1893	ENSG00000102606.18	1886.464	-0.17914	0.167421	-1.06998	0.284628	0.805406
8484	ENSG00000174996.12	3838.913	0.171326	0.160135	1.069885	0.284671	0.805406
1575	ENSG00000100220.12	1790.562	-0.17378	0.162465	-1.06965	0.284779	0.805406
3279	ENSG00000117593.12	900.9771	-0.1928	0.180256	-1.06957	0.284811	0.805406
5220	ENSG00000139641.13	10424.47	-0.1587	0.148383	-1.06953	0.284831	0.805406
5948	ENSG00000148218.16	1102.739	-0.19189	0.17946	-1.06926	0.284953	0.80554
9326	ENSG00000185222.10	1083.735	0.191603	0.179217	1.069111	0.28502	0.80554
1391	ENSG00000092036.18	961.6573	-0.19323	0.180796	-1.06878	0.28517	0.805544
9974	ENSG00000198363.18	1158.31	0.199003	0.186264	1.06839	0.285344	0.805544
11015	ENSG00000260404.3	695.0012	-0.22777	0.213218	-1.06823	0.285419	0.805544
4448	ENSG00000132792.19	1442.211	0.178058	0.16671	1.068072	0.285488	0.805544
3040	ENSG00000115274.15	416.8376	0.232731	0.217921	1.067962	0.285538	0.805544
2605	ENSG00000110048.12	2342.072	-0.17098	0.160098	-1.06794	0.285545	0.805544
6840	ENSG00000161328.11	270.8038	0.300446	0.281403	1.067673	0.285668	0.805544
9398	ENSG00000185880.13	402.9515	-0.23297	0.218231	-1.06754	0.285728	0.805544
2464	ENSG00000108384.15	604.8786	-0.20274	0.189961	-1.06729	0.28584	0.805544
8444	ENSG00000174576.10	209.0212	0.430958	0.403798	1.067262	0.285853	0.805544
5235	ENSG00000139793.18	238.6445	0.280461	0.262811	1.067157	0.285901	0.805544
10935	ENSG00000255717.7	1456.692	-0.17238	0.161549	-1.06705	0.28595	0.805544
5640	ENSG00000144036.16	501.5712	-0.21517	0.201661	-1.06701	0.285969	0.805544
6228	ENSG00000152620.13	269.773	0.283327	0.265578	1.066833	0.286047	0.805544
1902	ENSG00000102786.15	804.5517	-0.19781	0.185435	-1.06676	0.286082	0.805544
8001	ENSG00000170153.11	234.5542	-0.28237	0.264949	-1.06575	0.286535	0.806618
8130	ENSG00000171295.13	358.9342	-0.26189	0.245862	-1.0652	0.286785	0.806905
8175	ENSG00000171649.12	198.5819	-0.30367	0.285087	-1.06519	0.28679	0.806905
470	ENSG00000050393.11	1225.104	0.183217	0.172026	1.065059	0.286849	0.806905
68	ENSG00000005379.17	786.3892	0.220444	0.207088	1.064493	0.287105	0.807426
4094	ENSG00000129128.13	1182.069	0.238611	0.224266	1.063961	0.287346	0.807564
9543	ENSG00000188070.9	2097.01	0.195931	0.184162	1.063902	0.287373	0.807564
2305	ENSG00000106400.12	3030.708	0.163294	0.1535	1.063802	0.287419	0.807564
4904	ENSG00000136861.18	1969.987	-0.17609	0.165543	-1.06372	0.287457	0.807564
8303	ENSG00000173064.13	9419.899	0.207765	0.195341	1.063602	0.287509	0.807564
9090	ENSG00000182836.10	3616.322	-0.20522	0.193116	-1.0627	0.287917	0.808512

2976	ENSG00000114554.11	6530.414	0.163219	0.153704	1.061906	0.288278	0.80919
8948	ENSG00000180979.10	627.7112	-0.20024	0.188575	-1.06186	0.288301	0.80919
3854	ENSG00000125826.21	7868.632	0.186084	0.175298	1.061531	0.288449	0.809228
8774	ENSG00000178425.14	537.3026	0.211916	0.199636	1.061514	0.288457	0.809228
8375	ENSG00000173805.16	1539.571	-0.22004	0.207364	-1.06115	0.28862	0.809474
11354	ENSG00000285292.1	361.6109	-0.23543	0.221894	-1.06101	0.288687	0.809474
10647	ENSG00000234741.8	1401.782	0.180685	0.170339	1.060742	0.288807	0.809512
10365	ENSG00000213639.10	3277.687	0.207808	0.195944	1.060546	0.288896	0.809512
4056	ENSG00000128607.14	1394.227	-0.2083	0.196417	-1.06051	0.288914	0.809512
10358	ENSG00000213593.10	1802.04	-0.16983	0.160194	-1.06015	0.289076	0.809769
6112	ENSG00000151065.14	315.9327	-0.2405	0.226903	-1.05994	0.289173	0.809842
8765	ENSG00000178233.18	914.1398	0.199672	0.188542	1.059031	0.289586	0.810615
9613	ENSG00000188976.11	5261.834	0.165189	0.155992	1.058958	0.289619	0.810615
7847	ENSG00000168894.10	538.1587	0.211685	0.199917	1.058861	0.289663	0.810615
8749	ENSG00000178053.19	189.1872	0.330402	0.312156	1.058451	0.28985	0.810939
8911	ENSG00000180354.16	466.6392	-0.23547	0.222527	-1.05816	0.289981	0.810998
571	ENSG00000060656.20	9488.582	0.193785	0.183146	1.058092	0.290014	0.810998
9759	ENSG00000196757.8	374.9254	-0.24195	0.22873	-1.05779	0.29015	0.811181
8734	ENSG00000177888.8	448.0643	0.321007	0.303577	1.057415	0.290322	0.811463
3261	ENSG00000117448.13	2774.186	0.17184	0.162555	1.057123	0.290456	0.811579
11237	ENSG00000275464.5	393.4293	-0.2227	0.210692	-1.05701	0.290506	0.811579
6320	ENSG00000154222.14	2425.254	-0.17179	0.162592	-1.05655	0.290717	0.811968
2626	ENSG00000110324.11	538.3658	-0.24173	0.228878	-1.05617	0.29089	0.812133
10930	ENSG00000255330.9	1370.848	-0.17788	0.168433	-1.05611	0.290919	0.812133
6904	ENSG00000162374.18	1244.403	-0.18346	0.173763	-1.05578	0.291067	0.812348
1096	ENSG00000081870.11	714.1583	0.194336	0.184121	1.05548	0.291206	0.812536
2841	ENSG00000112739.17	1251.203	-0.17418	0.16505	-1.0553	0.291289	0.812569
2481	ENSG00000108523.16	4043.087	0.163993	0.155499	1.054622	0.291598	0.813192
10861	ENSG00000249896.2	322.1577	-0.24935	0.23647	-1.05446	0.291671	0.813192
2283	ENSG00000106245.11	2195.242	0.165713	0.157172	1.054342	0.291727	0.813192
9170	ENSG00000183666.17	211.3392	-0.2774	0.263147	-1.05416	0.291809	0.813223
262	ENSG00000015676.18	2391.159	-0.16732	0.158795	-1.05369	0.292026	0.813485
931	ENSG00000075399.14	873.3098	0.204844	0.194415	1.053644	0.292046	0.813485
7170	ENSG00000164061.5	3355.112	0.192606	0.182867	1.053259	0.292222	0.813588
6677	ENSG00000159409.15	10920.93	-0.15759	0.149634	-1.05315	0.292273	0.813588
9869	ENSG00000197603.15	444.2646	-0.22677	0.215337	-1.0531	0.292297	0.813588
2259	ENSG00000105939.13	1432.729	-0.1715	0.162925	-1.05265	0.292501	0.81387
4211	ENSG00000130600.19	1521.654	0.569538	0.541097	1.052562	0.292542	0.81387
6986	ENSG00000162981.14	1911.358	-0.19806	0.188232	-1.0522	0.29271	0.814139
6241	ENSG00000152894.14	1256.868	-0.18696	0.17777	-1.05167	0.292949	0.814605
1486	ENSG00000099326.9	2121.663	0.191709	0.182337	1.051399	0.293076	0.814759
10462	ENSG00000215883.10	555.1124	-0.20885	0.198756	-1.05076	0.293367	0.815168
5295	ENSG00000140497.16	3923.698	0.176581	0.168095	1.050483	0.293496	0.815168
11376	ENSG00000286834.1	320.6212	0.274089	0.260923	1.050458	0.293507	0.815168
4121	ENSG00000129493.15	406.095	-0.236	0.2247	-1.05027	0.293594	0.815168
7317	ENSG00000165030.4	408.8897	0.226944	0.216108	1.050142	0.293653	0.815168
4283	ENSG00000131115.16	353.77	-0.23573	0.224498	-1.05004	0.293699	0.815168
109	ENSG00000006695.12	668.9812	-0.19362	0.184408	-1.04994	0.293747	0.815168
1861	ENSG00000102144.15	3455.296	-0.20648	0.196683	-1.04983	0.293795	0.815168
5417	ENSG00000141698.17	1203.479	-0.17496	0.166683	-1.04966	0.293875	0.815189
11254	ENSG00000276805.2	295.3008	0.280804	0.26762	1.049261	0.294058	0.815499
10631	ENSG00000233293.1	162.9303	0.316947	0.302161	1.048933	0.294209	0.815603

5349	ENSG00000141040.15	178.562	0.318689	0.303877	1.048741	0.294297	0.815603
2003	ENSG00000103528.17	1465.96	-0.17143	0.163481	-1.04861	0.294357	0.815603
5994	ENSG00000148834.13	765.7746	0.20952	0.199878	1.048239	0.294529	0.815603
4126	ENSG00000129559.13	1481.088	0.176391	0.168311	1.048006	0.294636	0.815603
8942	ENSG00000180902.18	697.2413	0.233677	0.222996	1.047901	0.294684	0.815603
7362	ENSG00000165416.15	1073.733	-0.1964	0.187447	-1.04778	0.294739	0.815603
3133	ENSG00000116117.18	175.7737	-0.30456	0.290707	-1.04767	0.294792	0.815603
5952	ENSG00000148291.10	672.3608	0.19654	0.187624	1.047522	0.294859	0.815603
2521	ENSG00000108861.9	1894.869	-0.16839	0.160759	-1.04749	0.294875	0.815603
6546	ENSG00000157654.19	304.0745	-0.25719	0.245532	-1.04747	0.294883	0.815603
8370	ENSG00000173726.11	1316.758	0.206343	0.197036	1.047236	0.294991	0.815701
3453	ENSG00000119969.15	1688.743	0.1751	0.16727	1.046806	0.295189	0.816013
2570	ENSG00000109536.12	461.0519	0.219768	0.209982	1.046608	0.29528	0.816013
10152	ENSG00000204160.12	1957.496	0.181481	0.173451	1.04629	0.295427	0.816013
580	ENSG00000061656.10	282.7149	0.25544	0.24416	1.046199	0.295469	0.816013
1259	ENSG00000088205.13	1116.611	0.245794	0.234988	1.045984	0.295569	0.816013
10840	ENSG00000248049.7	261.1305	-0.24942	0.238525	-1.04567	0.295713	0.816013
3288	ENSG00000117632.23	10698.98	0.180134	0.172289	1.045536	0.295775	0.816013
5104	ENSG00000138449.11	163.5184	0.349997	0.334787	1.045433	0.295823	0.816013
9144	ENSG00000183426.17	3534.614	0.214556	0.205241	1.045382	0.295847	0.816013
8742	ENSG00000177963.14	4238.892	0.167855	0.160606	1.045133	0.295962	0.816013
4583	ENSG00000134248.13	577.6933	0.220634	0.211122	1.045055	0.295998	0.816013
7144	ENSG00000163946.13	1239.108	0.186581	0.17859	1.044746	0.29614	0.816013
11348	ENSG00000284946.1	316.3852	-0.24698	0.236404	-1.04474	0.296144	0.816013
7264	ENSG00000164631.19	263.078	0.270144	0.258605	1.04462	0.296199	0.816013
3554	ENSG00000121644.19	623.6856	-0.21657	0.207339	-1.04452	0.296247	0.816013
8253	ENSG00000172469.16	273.4348	-0.28321	0.271142	-1.04451	0.29625	0.816013
8539	ENSG00000175550.8	2180.958	0.177132	0.169614	1.044322	0.296337	0.816055
9580	ENSG00000188566.14	1178.485	0.219867	0.210601	1.044	0.296486	0.816267
4910	ENSG00000136878.14	1602.44	0.192038	0.18406	1.043343	0.29679	0.816842
11295	ENSG00000279168.2	831.6882	0.223663	0.214393	1.043238	0.296838	0.816842
3007	ENSG00000114942.14	4313.848	0.174104	0.166998	1.042554	0.297155	0.817518
9235	ENSG00000184302.7	1983.013	-0.17451	0.167486	-1.04195	0.297435	0.817952
10453	ENSG00000215424.10	318.5786	-0.23698	0.227453	-1.0419	0.297457	0.817952
6262	ENSG00000153140.9	221.8706	0.264798	0.254227	1.041581	0.297606	0.818165
277	ENSG00000020129.16	1411.024	0.217829	0.209215	1.041173	0.297795	0.818488
7199	ENSG00000164167.12	309.9089	0.238803	0.229412	1.040936	0.297905	0.818592
10955	ENSG00000257167.2	341.377	0.229754	0.220778	1.040655	0.298036	0.818638
5183	ENSG00000139263.12	285.3608	-0.25038	0.240611	-1.04059	0.298066	0.818638
2312	ENSG00000106477.20	711.6799	-0.20275	0.194914	-1.04018	0.298254	0.818661
5945	ENSG00000148158.17	727.3667	-0.19448	0.186993	-1.04005	0.298316	0.818661
7033	ENSG00000163389.12	279.7472	-0.2663	0.256068	-1.03996	0.298359	0.818661
1619	ENSG00000100372.15	483.031	-0.21023	0.202158	-1.03991	0.298384	0.818661
7924	ENSG00000169567.13	3463.351	0.183405	0.176411	1.039648	0.298503	0.818661
4658	ENSG00000134905.17	886.4465	-0.19896	0.191378	-1.03964	0.298505	0.818661
9016	ENSG00000182087.14	5712.783	0.181762	0.174995	1.038672	0.298957	0.819424
4550	ENSG00000133943.20	469.3716	-0.21099	0.20314	-1.03862	0.298981	0.819424
4467	ENSG00000132952.12	362.5774	-0.24951	0.240305	-1.0383	0.299129	0.819424
1379	ENSG00000091527.16	2843.136	-0.16125	0.155307	-1.03829	0.299137	0.819424
8572	ENSG00000175970.11	2073.951	-0.16273	0.156735	-1.03827	0.299143	0.819424
2349	ENSG00000106804.8	234.2583	0.288458	0.277891	1.038025	0.299258	0.819534
8832	ENSG00000179151.13	2157.315	-0.16315	0.157211	-1.03779	0.29937	0.819534

2206	ENSG00000105559.12	352.7018	0.266842	0.257142	1.037722	0.299399	0.819534
2099	ENSG00000104805.16	11360.55	0.152107	0.146614	1.037466	0.299519	0.819663
8224	ENSG00000172175.15	315.4919	0.262105	0.252721	1.037131	0.299675	0.81983
3948	ENSG00000126804.13	547.3408	0.202104	0.194965	1.036616	0.299915	0.81983
7056	ENSG00000163517.15	538.9611	0.215605	0.208009	1.036517	0.299961	0.81983
8905	ENSG00000180228.13	1187.981	-0.17175	0.165725	-1.03638	0.300025	0.81983
6824	ENSG00000161082.13	188.1417	0.367165	0.354296	1.036321	0.300052	0.81983
4929	ENSG00000136986.10	772.4339	-0.20137	0.194337	-1.03618	0.30012	0.81983
4844	ENSG00000136381.13	1656.066	0.17526	0.16915	1.036124	0.300144	0.81983
8411	ENSG00000174227.16	1075.063	-0.19433	0.187572	-1.03604	0.300182	0.81983
6997	ENSG00000163050.17	669.9103	-0.19927	0.192371	-1.03584	0.300276	0.81983
3434	ENSG00000119778.15	334.1909	0.302632	0.292174	1.035791	0.3003	0.81983
5541	ENSG00000143324.14	1234.427	-0.23208	0.224142	-1.03542	0.300475	0.820112
6312	ENSG00000154124.5	576.9834	-0.22117	0.213902	-1.03398	0.301145	0.821744
2835	ENSG00000112685.14	920.1756	-0.18314	0.177219	-1.03342	0.301409	0.822268
3343	ENSG00000118680.14	1944.417	0.190861	0.184735	1.033162	0.301528	0.82233
1823	ENSG00000101773.19	1085.672	0.186229	0.180386	1.032392	0.301888	0.82233
9678	ENSG00000196312.15	724.7427	-0.19286	0.186855	-1.03214	0.302008	0.82233
8282	ENSG00000172830.13	671.149	0.192394	0.186415	1.032071	0.302039	0.82233
10294	ENSG00000205978.6	312.2275	0.243572	0.236005	1.032064	0.302042	0.82233
6342	ENSG00000154556.18	2283.023	-0.16003	0.155057	-1.03206	0.302044	0.82233
8039	ENSG00000170515.14	3521.958	-0.15857	0.153646	-1.03206	0.302046	0.82233
11089	ENSG00000266173.7	899.6005	-0.17838	0.172864	-1.03191	0.302113	0.82233
2384	ENSG00000107438.9	1175.441	0.193472	0.187536	1.031653	0.302235	0.82233
7076	ENSG00000163623.9	6774.857	-0.16853	0.163396	-1.03145	0.302329	0.82233
7848	ENSG00000168899.5	210.687	0.272514	0.264205	1.03145	0.30233	0.82233
3130	ENSG00000116095.11	320.5894	0.241615	0.234261	1.031391	0.302357	0.82233
5602	ENSG00000143742.14	3736.873	0.172853	0.167597	1.031363	0.302371	0.82233
10896	ENSG00000253710.4	753.1697	0.190196	0.184573	1.030465	0.302792	0.823278
4572	ENSG00000134152.11	262.7323	0.278898	0.270715	1.030227	0.302904	0.823383
7238	ENSG00000164366.4	628.0899	-0.19699	0.191243	-1.03008	0.302975	0.823383
4449	ENSG00000132793.12	1215.414	-0.18479	0.179431	-1.02989	0.303064	0.823429
10168	ENSG00000204271.13	514.5874	-0.20123	0.195604	-1.02877	0.303589	0.824344
10420	ENSG00000214548.18	30156.17	-0.17145	0.166678	-1.02863	0.303652	0.824344
7509	ENSG00000166435.15	187.7543	-0.34337	0.33381	-1.02863	0.303654	0.824344
6422	ENSG00000155876.6	2149.97	-0.15969	0.155258	-1.02855	0.30369	0.824344
3908	ENSG00000126247.11	5974.842	0.15229	0.148111	1.028215	0.303849	0.824577
2500	ENSG00000108666.10	345.1884	0.232428	0.226245	1.02733	0.304265	0.82545
286	ENSG00000021776.11	915.4643	-0.23669	0.230485	-1.02692	0.304456	0.82545
5408	ENSG00000141639.12	616.7848	-0.19247	0.18745	-1.02678	0.304525	0.82545
7060	ENSG00000163531.15	3449.418	-0.15547	0.151423	-1.02675	0.30454	0.82545
10803	ENSG00000244198.7	525.7936	-0.23099	0.225025	-1.0265	0.304654	0.82545
6238	ENSG00000152795.17	6442.529	0.148416	0.144605	1.026356	0.304724	0.82545
4834	ENSG00000136273.13	263.0939	-0.25966	0.252995	-1.02635	0.304727	0.82545
10559	ENSG00000226752.9	832.2993	-0.20631	0.201024	-1.0263	0.30475	0.82545
6188	ENSG00000152093.8	188.883	0.332049	0.323771	1.025568	0.305095	0.826064
7507	ENSG00000166405.15	583.676	-0.19742	0.192533	-1.02539	0.305179	0.826064
9529	ENSG00000187792.5	208.8675	-0.26558	0.259017	-1.02533	0.30521	0.826064
188	ENSG00000011007.12	1387.143	-0.1844	0.179865	-1.0252	0.305267	0.826064
3809	ENSG00000125459.17	1305.091	-0.17072	0.16658	-1.02488	0.305422	0.826093
10092	ENSG00000198894.8	507.2419	-0.20873	0.20366	-1.02487	0.305423	0.826093
1030	ENSG00000079112.10	3846.513	-0.16323	0.159312	-1.02458	0.305561	0.826249

3597	ENSG00000122406.14	10510.7	0.156665	0.152927	1.024443	0.305626	0.826249
10751	ENSG00000241859.7	189.9889	-0.30304	0.295912	-1.02408	0.305798	0.826388
11358	ENSG00000285427.1	262.349	-0.24832	0.242492	-1.02403	0.305822	0.826388
9849	ENSG00000197417.9	1374.996	-0.16745	0.163547	-1.02386	0.305902	0.826408
4030	ENSG00000128266.9	2198.593	-0.16195	0.158261	-1.02333	0.306153	0.826629
7346	ENSG00000165271.17	2077.47	0.18551	0.18136	1.022885	0.306362	0.826629
6001	ENSG00000148943.12	767.6453	0.227521	0.222501	1.022561	0.306516	0.826629
11130	ENSG00000269343.9	171.2758	-0.29413	0.28765	-1.02253	0.306532	0.826629
2395	ENSG00000107643.16	852.6875	-0.23464	0.229481	-1.0225	0.306545	0.826629
7260	ENSG00000164610.9	321.0744	0.23108	0.226003	1.022467	0.30656	0.826629
3666	ENSG00000123374.11	1324.51	-0.17217	0.168388	-1.02246	0.306562	0.826629
8795	ENSG00000178741.12	3577.283	0.150678	0.147449	1.021902	0.306827	0.826629
9127	ENSG00000183207.14	3191.099	0.179566	0.175747	1.02173	0.306909	0.826629
5125	ENSG00000138646.9	1278.053	-0.1869	0.182933	-1.02169	0.306928	0.826629
10838	ENSG00000247828.8	187.9818	0.275283	0.269455	1.021627	0.306957	0.826629
9267	ENSG00000184678.10	435.583	-0.21824	0.213689	-1.02132	0.307105	0.826629
558	ENSG00000059378.13	471.022	-0.22382	0.219173	-1.02121	0.307156	0.826629
212	ENSG00000011566.15	592.9393	-0.2304	0.225622	-1.02116	0.30718	0.826629
2344	ENSG00000106772.18	4619.581	-0.17935	0.175666	-1.02097	0.307269	0.826629
6504	ENSG00000157020.18	3085.341	0.161362	0.158049	1.020963	0.307272	0.826629
9641	ENSG00000189369.9	254.0638	0.247771	0.242687	1.020949	0.307279	0.826629
2320	ENSG00000106588.11	1229.894	0.17715	0.17352	1.020924	0.307291	0.826629
2928	ENSG00000113838.13	163.6073	-0.30756	0.301499	-1.02009	0.307684	0.8272
5851	ENSG00000146830.10	3948.827	0.167679	0.164389	1.020019	0.307719	0.8272
9303	ENSG00000185033.14	2759.282	0.154332	0.151346	1.019732	0.307855	0.8272
4277	ENSG00000131061.14	361.2212	-0.28398	0.278497	-1.01969	0.307877	0.8272
3192	ENSG00000116688.18	2870.825	-0.15358	0.150661	-1.01938	0.308021	0.8272
8428	ENSG00000174428.18	504.0287	-0.21059	0.206622	-1.01922	0.308097	0.8272
10572	ENSG00000228049.7	328.4381	-0.25553	0.250739	-1.01912	0.308145	0.8272
769	ENSG00000069345.12	921.9086	0.194553	0.190908	1.01909	0.30816	0.8272
7152	ENSG00000163995.20	488.9363	-0.20262	0.198855	-1.01891	0.308243	0.8272
1423	ENSG00000093144.19	868.5496	0.184529	0.181157	1.018614	0.308386	0.8272
2314	ENSG00000106484.16	4413.344	-0.1628	0.159831	-1.0186	0.308394	0.8272
11121	ENSG00000268606.5	772.0231	-0.18519	0.181814	-1.01857	0.308407	0.8272
2331	ENSG00000106633.17	6382.526	-0.15616	0.153329	-1.01849	0.308447	0.8272
3835	ENSG00000125733.18	546.6953	-0.19768	0.194158	-1.01816	0.308602	0.827273
6911	ENSG00000162402.14	2317.748	0.171269	0.168221	1.018122	0.30862	0.827273
1760	ENSG00000101216.11	1954.052	-0.17427	0.171196	-1.01794	0.308708	0.827314
642	ENSG00000065150.21	3260.485	-0.16231	0.159525	-1.01746	0.308934	0.827725
4771	ENSG00000135837.16	909.5956	-0.18983	0.186643	-1.01709	0.309112	0.828006
11330	ENSG00000283122.1	204.9442	-0.27696	0.272542	-1.01622	0.309523	0.828746
9961	ENSG00000198252.12	340.7925	0.231178	0.227492	1.016201	0.309534	0.828746
3986	ENSG00000127561.15	373.1209	0.217527	0.214157	1.015736	0.309755	0.829145
1533	ENSG00000100014.20	2977.608	-0.15436	0.15212	-1.01474	0.310231	0.829453
10805	ENSG00000244274.8	536.0567	-0.20083	0.197957	-1.01453	0.310329	0.829453
10694	ENSG00000237765.8	514.3665	0.20154	0.198657	1.014514	0.310337	0.829453
1835	ENSG00000101911.13	1440.194	0.204355	0.201437	1.014488	0.31035	0.829453
7813	ENSG00000168612.4	563.9195	-0.19977	0.196931	-1.01443	0.310379	0.829453
6378	ENSG00000155099.8	484.7906	-0.21251	0.209494	-1.0144	0.310393	0.829453
6524	ENSG00000157330.10	206.5115	-0.27123	0.267398	-1.01434	0.310418	0.829453
7374	ENSG00000165506.15	262.6165	0.249378	0.245869	1.014272	0.310453	0.829453
9867	ENSG00000197594.13	747.4659	-0.21395	0.210996	-1.01402	0.310574	0.829464

4753	ENSG00000135686.13	1161.797	-0.17347	0.171088	-1.01393	0.310614	0.829464
8880	ENSG00000179918.19	1464.291	-0.17151	0.16917	-1.01381	0.310676	0.829464
5706	ENSG00000144792.9	177.3257	-0.3015	0.297516	-1.01339	0.310876	0.829659
6253	ENSG00000153044.10	558.7663	0.19807	0.195461	1.013347	0.310895	0.829659
4373	ENSG00000132205.11	476.2834	0.202639	0.200003	1.013178	0.310975	0.829679
5167	ENSG00000139131.13	209.8765	-0.27783	0.274274	-1.01296	0.311079	0.829764
485	ENSG00000052126.14	678.7378	0.185358	0.183112	1.012264	0.311412	0.830456
10944	ENSG00000256340.8	165.731	0.296457	0.292983	1.01186	0.311605	0.83063
4213	ENSG00000130640.13	1209.587	0.169844	0.167859	1.011823	0.311623	0.83063
6799	ENSG00000160803.8	1770.964	-0.15922	0.157465	-1.01114	0.31195	0.831061
944	ENSG00000075785.14	5311.46	-0.15167	0.150057	-1.01076	0.312131	0.831061
2619	ENSG00000110200.8	546.3205	0.200798	0.198692	1.010601	0.312208	0.831061
5081	ENSG00000138286.15	254.9858	-0.24665	0.244065	-1.01059	0.312213	0.831061
11122	ENSG00000268858.2	1241.26	0.18775	0.185802	1.010487	0.312262	0.831061
2199	ENSG00000105514.8	2379.219	0.163404	0.161755	1.010195	0.312402	0.831061
8968	ENSG00000181264.9	262.2606	0.255952	0.253372	1.010182	0.312408	0.831061
11174	ENSG00000272556.2	173.8786	0.324209	0.32096	1.010123	0.312436	0.831061
5954	ENSG00000148297.16	2516.566	0.156499	0.154959	1.009942	0.312523	0.831061
6622	ENSG00000158717.11	639.8103	0.21511	0.213008	1.009866	0.312559	0.831061
149	ENSG00000008311.15	551.8181	-0.19597	0.194064	-1.00981	0.312588	0.831061
6023	ENSG00000149260.18	302.1668	0.238104	0.235873	1.009457	0.312756	0.831135
9272	ENSG00000184752.13	804.389	0.203479	0.20161	1.009269	0.312846	0.831135
1103	ENSG00000082213.18	344.1834	-0.24329	0.241063	-1.00922	0.312867	0.831135
1803	ENSG00000101493.11	2636.359	-0.17547	0.173879	-1.00914	0.312907	0.831135
1790	ENSG00000101438.4	1638.565	0.169745	0.168297	1.008605	0.313164	0.83146
11327	ENSG00000282826.2	240.1707	0.249554	0.247446	1.008518	0.313206	0.83146
1429	ENSG00000094841.14	195.2757	-0.29528	0.292816	-1.00843	0.313249	0.83146
6688	ENSG00000159618.16	230.1714	0.266574	0.264425	1.008127	0.313394	0.831649
8856	ENSG00000179409.11	1125.513	-0.1719	0.170564	-1.00785	0.313528	0.831649
5467	ENSG00000142541.17	28870.16	0.143118	0.142007	1.007824	0.313539	0.831649
6993	ENSG00000163026.12	251.0258	-0.24311	0.241287	-1.00757	0.313662	0.831779
11129	ENSG00000269335.5	680.2276	0.219026	0.217413	1.007417	0.313734	0.831779
6525	ENSG00000157349.17	718.1047	-0.19349	0.192099	-1.00723	0.313826	0.831791
2519	ENSG00000108852.15	1158.855	0.169099	0.167912	1.007072	0.3139	0.831791
3646	ENSG00000123124.14	271.9124	-0.24023	0.238633	-1.0067	0.31408	0.831791
9818	ENSG00000197157.11	10916.12	-0.15727	0.156228	-1.00666	0.314097	0.831791
2216	ENSG00000105639.20	197.6586	0.266388	0.264629	1.006648	0.314104	0.831791
1770	ENSG00000101298.15	1145.458	0.172301	0.171228	1.00627	0.314286	0.832012
1322	ENSG00000089818.18	1252.265	-0.16571	0.164698	-1.00616	0.314339	0.832012
8993	ENSG00000181754.7	890.8474	-0.19643	0.195256	-1.00602	0.314407	0.832012
3726	ENSG00000124222.22	3734.67	-0.15064	0.149828	-1.00542	0.314696	0.832584
10148	ENSG00000204138.13	1745.06	-0.18816	0.187204	-1.0051	0.314851	0.832621
435	ENSG00000047644.19	1496.617	-0.16827	0.167423	-1.00508	0.314856	0.832621
10040	ENSG00000198742.9	746.2064	-0.20171	0.200738	-1.00484	0.314974	0.832639
5093	ENSG00000138398.16	2268.599	0.153994	0.153284	1.004635	0.315073	0.832639
1383	ENSG00000091664.9	398.809	-0.21689	0.215913	-1.0045	0.315137	0.832639
79	ENSG00000005884.18	1336.304	0.164021	0.163292	1.004463	0.315155	0.832639
183	ENSG00000010539.12	283.7217	-0.23627	0.235293	-1.00416	0.315302	0.832833
7415	ENSG00000165775.18	731.3229	0.201471	0.200688	1.003902	0.315426	0.832853
1730	ENSG00000101049.17	373.4904	-0.2179	0.217069	-1.00384	0.315456	0.832853
4758	ENSG00000135723.14	546.852	0.206619	0.205895	1.003517	0.315611	0.832928
6344	ENSG00000154639.19	734.3255	0.211265	0.210533	1.003478	0.31563	0.832928

10748	ENSG00000241837.7	1743.166	0.159554	0.159059	1.003108	0.315809	0.833106
4193	ENSG00000130449.6	297.958	-0.23406	0.233382	-1.00292	0.315898	0.833106
9513	ENSG00000187609.16	333.4406	0.225743	0.225296	1.001985	0.316351	0.833106
1263	ENSG00000088298.13	762.8401	-0.18747	0.187099	-1.00196	0.316361	0.833106
5102	ENSG00000138443.17	1746.858	-0.15835	0.158051	-1.0019	0.316392	0.833106
2956	ENSG00000114346.13	1055.598	0.195726	0.195423	1.001549	0.316562	0.833106
5915	ENSG00000147677.11	2793.888	0.15915	0.158918	1.001459	0.316605	0.833106
9913	ENSG00000197961.11	616.0739	-0.19455	0.194281	-1.00139	0.316638	0.833106
9158	ENSG00000183530.14	1132.493	-0.17145	0.171221	-1.00135	0.31666	0.833106
6503	ENSG00000157014.11	2312.097	-0.15313	0.152939	-1.00125	0.316704	0.833106
2844	ENSG00000112763.17	996.2966	-0.17718	0.176968	-1.0012	0.316731	0.833106
10303	ENSG00000206560.11	695.3013	0.183384	0.183182	1.001101	0.316778	0.833106
766	ENSG00000069248.12	720.5517	-0.18403	0.183873	-1.00087	0.316889	0.833106
881	ENSG00000073464.13	1718.597	-0.17041	0.170278	-1.00079	0.316929	0.833106
6366	ENSG00000154917.11	747.895	-0.21531	0.215188	-1.00058	0.317028	0.833106
3886	ENSG00000125977.7	4669.312	0.158527	0.158452	1.000476	0.31708	0.833106
4089	ENSG00000129071.9	604.8607	-0.19235	0.192286	-1.00031	0.317161	0.833106
1733	ENSG00000101076.17	2975.981	-0.15968	0.159648	-1.00023	0.317199	0.833106
10791	ENSG00000243896.4	169.0704	-0.28796	0.28794	-1.00009	0.317268	0.833106
5595	ENSG00000143643.13	529.8902	-0.20663	0.206639	-0.99995	0.317336	0.833106
4286	ENSG00000131143.10	5525.955	0.144216	0.144249	0.99977	0.317422	0.833106
5875	ENSG00000147144.13	1520.218	0.193824	0.193882	0.999697	0.317457	0.833106
2434	ENSG00000108001.15	244.1513	-0.26039	0.260471	-0.99969	0.31746	0.833106
5129	ENSG00000138668.19	6083.682	0.149425	0.149494	0.999542	0.317532	0.833106
4032	ENSG00000128271.22	320.5895	0.254041	0.254222	0.999289	0.317655	0.833106
11092	ENSG00000266472.6	2120.237	0.157914	0.158029	0.999273	0.317662	0.833106
5452	ENSG00000142208.16	11894.46	0.156783	0.15691	0.999194	0.317701	0.833106
8574	ENSG00000176018.13	357.2738	0.282397	0.282691	0.99896	0.317814	0.833106
5311	ENSG00000140632.17	3588.317	-0.14792	0.148081	-0.99895	0.31782	0.833106
1440	ENSG00000095261.14	791.8499	-0.19258	0.192927	-0.9982	0.318184	0.833337
6140	ENSG00000151445.16	488.5292	-0.21407	0.214495	-0.99804	0.318261	0.833337
5205	ENSG00000139508.15	174.8145	-0.27625	0.276799	-0.99803	0.318265	0.833337
657	ENSG00000065548.18	1557.05	0.160704	0.161028	0.997989	0.318285	0.833337
5635	ENSG00000144026.12	432.6713	-0.20887	0.209298	-0.99796	0.318301	0.833337
10357	ENSG00000213588.6	334.2785	-0.21969	0.220166	-0.99783	0.318364	0.833337
3807	ENSG00000125457.14	728.6218	0.182147	0.182575	0.997659	0.318445	0.833337
3926	ENSG00000126524.10	913.3993	0.172267	0.172688	0.997559	0.318493	0.833337
5321	ENSG00000140830.9	359.1775	-0.22044	0.221122	-0.99693	0.318797	0.833759
2652	ENSG00000110721.12	1631.14	-0.16138	0.1619	-0.99679	0.318868	0.833759
2311	ENSG00000106462.11	1465.617	0.166816	0.167409	0.996455	0.319029	0.833759
205	ENSG00000011405.13	1557.951	-0.17445	0.175073	-0.99643	0.31904	0.833759
966	ENSG00000076555.15	698.981	-0.21769	0.218494	-0.9963	0.319104	0.833759
5424	ENSG00000141759.15	1890.024	0.156412	0.157015	0.996163	0.319171	0.833759
7674	ENSG00000167632.17	2573.577	0.155712	0.156331	0.996039	0.319231	0.833759
11289	ENSG00000278768.2	247.0337	-0.26407	0.265159	-0.9959	0.3193	0.833759
5766	ENSG00000145626.12	214.377	0.299542	0.300784	0.99587	0.319314	0.833759
8700	ENSG00000177565.18	840.0719	0.228863	0.229847	0.995716	0.319388	0.833762
7488	ENSG00000166275.16	545.5909	0.20573	0.206677	0.995417	0.319533	0.833948
3879	ENSG00000125952.20	900.4496	-0.17223	0.173071	-0.99514	0.31967	0.833948
1719	ENSG00000100949.14	1222.904	0.205296	0.206303	0.995118	0.319679	0.833948
10785	ENSG00000243678.12	3057.749	0.17514	0.176058	0.994784	0.319841	0.834078
4766	ENSG00000135821.19	6939.67	-0.17108	0.171993	-0.9947	0.319881	0.834078

8548	ENSG00000175611.12	225.4751	0.25453	0.255926	0.994544	0.319958	0.834078
263	ENSG00000016082.15	2790.095	-0.15174	0.152595	-0.99441	0.320022	0.834078
6405	ENSG00000155508.13	1170.394	-0.16666	0.167711	-0.99372	0.320358	0.834748
1795	ENSG00000101447.15	448.1784	-0.20339	0.204707	-0.99358	0.320425	0.834748
680	ENSG00000066135.13	1500.892	-0.18308	0.184387	-0.99288	0.320767	0.835448
4192	ENSG00000130429.15	2542.831	0.151378	0.152607	0.991945	0.321224	0.836442
5920	ENSG00000147789.15	547.1715	-0.19218	0.193812	-0.99157	0.321406	0.836442
9756	ENSG00000196739.15	1289.618	-0.20969	0.211506	-0.99142	0.321483	0.836442
11299	ENSG00000279255.1	244.4609	-0.34922	0.352279	-0.99131	0.321535	0.836442
4514	ENSG00000133433.11	676.5862	0.182294	0.183902	0.991255	0.321561	0.836442
10993	ENSG00000259623.1	179.867	0.299965	0.302661	0.991091	0.321641	0.836442
11271	ENSG00000277791.5	1980.317	0.160856	0.162326	0.990945	0.321713	0.836442
4359	ENSG00000132002.8	2927.612	-0.15341	0.154838	-0.99077	0.321799	0.836442
5559	ENSG00000143418.20	11146.67	-0.14644	0.14784	-0.99053	0.321917	0.836442
5605	ENSG00000143753.13	1283.817	-0.16915	0.170797	-0.99036	0.321999	0.836442
5936	ENSG00000148019.14	1310.661	-0.16758	0.169257	-0.9901	0.322123	0.836442
940	ENSG00000075624.17	49644.69	0.150981	0.152493	0.990084	0.322133	0.836442
7511	ENSG00000166439.6	362.3381	-0.23599	0.23838	-0.98996	0.322195	0.836442
2351	ENSG00000106853.20	1234.547	0.166581	0.168298	0.9898	0.322272	0.836442
1118	ENSG00000083067.22	536.6485	-0.21444	0.216688	-0.98963	0.322356	0.836442
5586	ENSG00000143578.16	447.5584	-0.20415	0.206296	-0.98962	0.32236	0.836442
2489	ENSG00000108587.16	1671.384	-0.18101	0.182922	-0.98954	0.322398	0.836442
9420	ENSG00000186141.9	698.4115	-0.19425	0.196373	-0.9892	0.322565	0.836684
9755	ENSG00000196730.13	1380.876	-0.16799	0.16987	-0.98895	0.32269	0.836802
4071	ENSG00000128849.10	808.3023	-0.18491	0.187037	-0.98864	0.322839	0.836802
384	ENSG00000038382.20	2808.509	-0.17159	0.173573	-0.98856	0.322879	0.836802
6995	ENSG00000163040.14	385.2742	-0.22191	0.224495	-0.98851	0.322905	0.836802
11020	ENSG00000260691.6	233.588	0.331322	0.335239	0.988314	0.322999	0.836802
6049	ENSG00000149547.15	4002.233	-0.16242	0.164363	-0.98821	0.323051	0.836802
4102	ENSG00000129226.14	744.5615	-0.2314	0.2343	-0.98763	0.323334	0.837132
8442	ENSG00000174567.8	443.9877	0.206147	0.208801	0.987291	0.3235	0.837132
7074	ENSG00000163611.11	239.1661	-0.29657	0.300439	-0.98713	0.323579	0.837132
6568	ENSG00000157933.10	2193.163	0.158984	0.16106	0.987109	0.323589	0.837132
8114	ENSG00000171160.18	403.3781	-0.20554	0.208229	-0.98708	0.323603	0.837132
4986	ENSG00000137474.22	577.1976	0.21266	0.215451	0.987047	0.32362	0.837132
10735	ENSG00000241163.8	242.4516	-0.25217	0.255547	-0.98678	0.323751	0.837282
6903	ENSG00000162368.13	1649.532	0.182568	0.185134	0.986139	0.324065	0.837904
10989	ENSG00000259431.6	774.9898	0.191252	0.19408	0.985432	0.324412	0.838611
5739	ENSG00000145284.12	329.5164	0.248263	0.252029	0.985058	0.324595	0.838756
4354	ENSG00000131910.5	288.9865	0.232915	0.236501	0.984834	0.324705	0.838756
7842	ENSG00000168876.9	332.4532	0.236648	0.240317	0.984732	0.324756	0.838756
9129	ENSG00000183250.12	262.6414	0.242627	0.246393	0.984717	0.324763	0.838756
1445	ENSG00000095383.20	255.2095	-0.24363	0.247493	-0.98439	0.324922	0.838788
194	ENSG00000011143.18	598.8097	-0.18654	0.189534	-0.98418	0.325027	0.838788
7166	ENSG00000164050.13	5076.855	0.182602	0.185588	0.983912	0.325159	0.838788
3310	ENSG00000118007.13	751.1967	-0.1793	0.182262	-0.98376	0.325235	0.838788
193	ENSG00000011132.12	788.2368	0.22653	0.230331	0.983499	0.325362	0.838788
5624	ENSG00000143878.10	1489.76	0.169836	0.172744	0.983169	0.325524	0.838788
8488	ENSG00000175054.16	415.4607	0.20455	0.208061	0.983125	0.325546	0.838788
8198	ENSG00000171865.10	1252.881	-0.1738	0.176786	-0.98311	0.325554	0.838788
1280	ENSG00000088854.12	490.1117	-0.21382	0.217515	-0.98301	0.325602	0.838788
4026	ENSG00000128203.7	241.6936	-0.24075	0.244965	-0.98279	0.325713	0.838788

773	ENSG00000069702.11	1152.007	0.200285	0.203799	0.982761	0.325725	0.838788
10781	ENSG00000243477.6	325.8435	0.233269	0.237399	0.982606	0.325801	0.838788
1909	ENSG00000102878.17	282.0039	0.244436	0.248774	0.982565	0.325821	0.838788
2074	ENSG00000104517.13	1917.266	0.156622	0.159411	0.9825	0.325854	0.838788
2726	ENSG00000111669.15	19254.54	0.138543	0.141038	0.98231	0.325947	0.838788
920	ENSG00000075151.20	2102.12	-0.16014	0.16306	-0.98207	0.326065	0.838788
6854	ENSG00000161692.18	385.7863	-0.2271	0.231281	-0.98193	0.326132	0.838788
5302	ENSG00000140548.10	1168.541	0.189405	0.192891	0.981928	0.326136	0.838788
9878	ENSG00000197712.12	167.2244	-0.32399	0.330022	-0.98173	0.326234	0.838788
10985	ENSG00000259120.3	321.9794	-0.22752	0.231758	-0.9817	0.326248	0.838788
10016	ENSG00000198668.13	8186.183	0.17401	0.177342	0.981211	0.326489	0.839144
2000	ENSG00000103507.14	1287.612	0.170478	0.17377	0.981053	0.326567	0.839144
6261	ENSG00000153132.13	1041.938	0.169088	0.172402	0.980774	0.326704	0.839144
7562	ENSG00000166845.15	160.3365	0.303973	0.309969	0.980656	0.326763	0.839144
3658	ENSG00000123219.13	424.4549	-0.20665	0.210738	-0.98061	0.326787	0.839144
3027	ENSG00000115163.15	208.2694	0.262741	0.26796	0.980521	0.326829	0.839144
5059	ENSG00000138081.21	1737.772	0.172717	0.176219	0.980125	0.327025	0.83931
4420	ENSG00000132589.16	3660.939	0.163178	0.166492	0.980091	0.327041	0.83931
9792	ENSG00000197016.12	186.3934	0.262349	0.267749	0.979831	0.32717	0.83938
6964	ENSG00000162836.12	680.4124	-0.19978	0.203922	-0.97967	0.327248	0.83938
7019	ENSG00000163257.11	1748.684	-0.16139	0.164754	-0.97959	0.32729	0.83938
10800	ENSG00000244115.1	163.5803	0.286115	0.292235	0.979058	0.327551	0.839472
7041	ENSG00000163453.11	160.7459	0.328982	0.336098	0.978827	0.327665	0.839472
2742	ENSG00000111737.12	1250.127	-0.16165	0.16515	-0.9788	0.32768	0.839472
4087	ENSG00000129038.16	416.4646	0.219351	0.224167	0.978512	0.327821	0.839472
5512	ENSG00000143147.14	402.6405	0.215347	0.220096	0.978423	0.327865	0.839472
1655	ENSG00000100526.20	472.6472	0.20006	0.204499	0.978291	0.32793	0.839472
848	ENSG00000072182.12	250.3204	0.250421	0.256035	0.978071	0.328039	0.839472
9877	ENSG00000197705.10	228.7451	0.266379	0.272364	0.978027	0.328061	0.839472
7767	ENSG00000168256.18	2868.15	0.15206	0.155478	0.978015	0.328067	0.839472
1215	ENSG00000086598.11	3437.104	0.203554	0.208135	0.977993	0.328078	0.839472
9763	ENSG00000196792.12	471.6665	0.199368	0.203883	0.977854	0.328147	0.839472
5940	ENSG00000148120.16	1536.891	-0.1669	0.170715	-0.97765	0.328249	0.839472
2135	ENSG00000105011.9	2214.327	0.176093	0.180132	0.977576	0.328284	0.839472
3509	ENSG00000120805.14	1221.568	0.217645	0.222713	0.977245	0.328448	0.83966
3533	ENSG00000121068.14	242.7125	-0.33235	0.34015	-0.97707	0.328535	0.83966
3878	ENSG00000125945.15	245.4955	-0.25515	0.26116	-0.97698	0.328579	0.83966
5411	ENSG00000141646.14	1188.529	-0.208	0.213042	-0.97633	0.328901	0.840295
7760	ENSG00000168214.20	1021.397	-0.20101	0.206017	-0.97567	0.329226	0.840937
9909	ENSG00000197948.11	494.7066	-0.19261	0.197643	-0.97453	0.329796	0.841619
4064	ENSG00000128708.13	971.2064	0.184104	0.188964	0.97428	0.329918	0.841619
3998	ENSG00000127831.11	11777.68	-0.1691	0.173616	-0.97397	0.330071	0.841619
9101	ENSG00000182934.12	5623.652	-0.14949	0.153575	-0.97342	0.330345	0.841619
9906	ENSG00000197912.16	3632.775	-0.15616	0.160457	-0.97322	0.330446	0.841619
1685	ENSG00000100722.20	1897.325	-0.15851	0.162878	-0.97321	0.33045	0.841619
7456	ENSG00000166130.15	269.2257	0.240786	0.247456	0.973046	0.33053	0.841619
11154	ENSG00000271303.2	811.8605	-0.17296	0.177778	-0.97288	0.330613	0.841619
3166	ENSG00000116455.14	989.669	-0.16721	0.171883	-0.97283	0.33064	0.841619
5997	ENSG00000148842.18	1036.756	-0.17369	0.178588	-0.9726	0.330751	0.841619
2762	ENSG00000111906.18	520.0999	0.192149	0.197583	0.972499	0.330803	0.841619
4411	ENSG00000132510.10	2575.665	0.193206	0.198726	0.97222	0.330941	0.841619
9936	ENSG00000198081.11	332.6053	-0.23613	0.242898	-0.97214	0.33098	0.841619

3466	ENSG00000120253.14	871.3124	-0.18203	0.187256	-0.97211	0.330994	0.841619
2468	ENSG00000108424.10	9838.403	-0.14681	0.151073	-0.97178	0.331158	0.841619
7920	ENSG00000169504.15	807.7717	0.250373	0.257685	0.971623	0.331238	0.841619
6608	ENSG00000158526.8	1259.964	0.167023	0.171987	0.971137	0.33148	0.841619
8221	ENSG00000172115.9	1730.666	0.179354	0.184727	0.970913	0.331592	0.841619
4723	ENSG00000135454.14	585.7111	0.194399	0.200233	0.970864	0.331616	0.841619
5238	ENSG00000139874.6	1749.287	-0.15621	0.160902	-0.97082	0.331636	0.841619
1931	ENSG00000103018.17	3109.477	-0.16404	0.168999	-0.97067	0.331715	0.841619
875	ENSG00000073060.16	6295.041	0.142485	0.146814	0.970513	0.331791	0.841619
5156	ENSG00000138802.11	819.7406	-0.1778	0.183211	-0.97045	0.331823	0.841619
4092	ENSG00000129103.19	2787.696	-0.1614	0.16634	-0.97031	0.331894	0.841619
8508	ENSG00000175203.16	3282.058	-0.15577	0.160579	-0.97007	0.332013	0.841619
10455	ENSG00000215472.10	1049.926	0.195946	0.202045	0.969811	0.332141	0.841619
9748	ENSG00000196693.15	589.3912	-0.19994	0.206188	-0.96969	0.332199	0.841619
8222	ENSG00000172171.11	165.5301	-0.28413	0.29303	-0.96963	0.332229	0.841619
7576	ENSG00000166912.17	333.9852	-0.22227	0.229303	-0.96933	0.332382	0.841619
5887	ENSG00000147324.11	1549.4	-0.16109	0.166189	-0.96929	0.332399	0.841619
6293	ENSG00000153879.9	1564.476	0.175787	0.181357	0.969286	0.332402	0.841619
1203	ENSG00000086062.13	1498.794	-0.15859	0.163664	-0.96901	0.332542	0.841619
9503	ENSG00000187446.12	2681.836	-0.14923	0.153999	-0.96901	0.332542	0.841619
5931	ENSG00000147894.17	227.1154	0.27774	0.286664	0.968871	0.33261	0.841619
4854	ENSG00000136485.15	6787.325	-0.14979	0.15463	-0.9687	0.332694	0.841619
5437	ENSG00000141994.16	918.1608	0.224099	0.231352	0.968649	0.33272	0.841619
7858	ENSG00000168970.22	481.7326	0.280101	0.289244	0.968393	0.332848	0.841619
2801	ENSG00000112304.11	558.475	-0.19196	0.198257	-0.96826	0.332915	0.841619
4078	ENSG00000128923.11	380.622	0.213257	0.220279	0.968123	0.332983	0.841619
325	ENSG00000028839.10	402.7692	0.20184	0.208502	0.968047	0.333021	0.841619
5831	ENSG00000146463.12	1247.349	-0.16931	0.174906	-0.96801	0.33304	0.841619
3297	ENSG00000117713.20	7614.114	0.165858	0.171342	0.967995	0.333047	0.841619
4418	ENSG00000132570.15	229.8275	-0.24984	0.258117	-0.96795	0.333071	0.841619
7080	ENSG00000163629.13	194.4159	-0.26479	0.273597	-0.9678	0.333146	0.841619
7769	ENSG00000168264.10	4801.784	-0.14063	0.145318	-0.96775	0.333168	0.841619
1443	ENSG00000095370.20	372.9465	0.211439	0.218493	0.967713	0.333188	0.841619
7167	ENSG00000164051.14	394.5398	-0.20367	0.210538	-0.96738	0.333356	0.841619
10997	ENSG00000259768.6	177.3381	-0.26474	0.273679	-0.96734	0.333372	0.841619
2043	ENSG00000104218.15	544.44	0.186714	0.193029	0.967285	0.333402	0.841619
5014	ENSG00000137770.14	588.9473	0.237172	0.245207	0.967234	0.333427	0.841619
10762	ENSG00000242259.8	1053.446	0.170662	0.176444	0.967228	0.33343	0.841619
5428	ENSG00000141867.17	5113.954	0.147338	0.152364	0.967011	0.333538	0.841619
5154	ENSG00000138796.17	13739.42	-0.13588	0.140524	-0.96693	0.333577	0.841619
10886	ENSG00000251493.5	1302.844	0.169757	0.175567	0.966904	0.333592	0.841619
10799	ENSG00000244045.13	737.2572	-0.19164	0.198259	-0.96662	0.333736	0.841619
10557	ENSG00000226479.4	940.386	-0.16572	0.171482	-0.9664	0.333845	0.841619
6631	ENSG00000158813.18	433.992	-0.20027	0.207229	-0.96639	0.333847	0.841619
313	ENSG00000025796.14	2803.748	0.154899	0.160351	0.966001	0.334044	0.841619
3771	ENSG00000124782.20	1179.796	-0.16825	0.174177	-0.96596	0.334065	0.841619
7075	ENSG00000163618.18	6477.843	-0.14322	0.148281	-0.9659	0.334096	0.841619
10660	ENSG00000235217.6	1214.266	-0.17056	0.176583	-0.96588	0.334105	0.841619
8659	ENSG00000177082.13	996.4005	-0.17225	0.17834	-0.96585	0.33412	0.841619
1930	ENSG00000103005.12	1702.467	0.172641	0.178785	0.965634	0.334228	0.841619
6151	ENSG00000151532.14	194.9042	-0.27564	0.285466	-0.96559	0.33425	0.841619
4181	ENSG00000130332.15	871.3472	0.172999	0.179182	0.965494	0.334297	0.841619

4603	ENSG00000134333.14	3443.085	-0.16753	0.173547	-0.96532	0.334384	0.84165
2738	ENSG00000111725.11	890.3909	-0.18257	0.189165	-0.96513	0.334478	0.841702
7681	ENSG00000167670.16	2092.022	0.168177	0.174329	0.964711	0.334689	0.841961
9544	ENSG00000188092.15	520.1575	0.193128	0.200228	0.964544	0.334774	0.841961
3607	ENSG00000122545.20	1990.128	0.176615	0.183118	0.964485	0.334803	0.841961
4721	ENSG00000135451.13	1574.88	0.184173	0.191034	0.964088	0.335002	0.842276
8683	ENSG00000177370.5	898.9528	0.166582	0.172896	0.963479	0.335307	0.842857
6887	ENSG00000162139.10	301.7206	-0.2233	0.231847	-0.96314	0.335477	0.843009
1958	ENSG00000103184.12	268.5671	-0.22919	0.238008	-0.96294	0.33558	0.843009
9209	ENSG00000184014.8	1050.213	-0.18091	0.187908	-0.96278	0.335659	0.843009
4669	ENSG00000135040.16	626.6108	0.18918	0.196508	0.962708	0.335694	0.843009
7295	ENSG00000164904.18	2017.693	-0.17118	0.177825	-0.96262	0.335738	0.843009
2765	ENSG00000111961.18	689.5386	-0.19124	0.198703	-0.96243	0.335831	0.843048
4754	ENSG00000135698.10	449.2746	0.205751	0.213812	0.962295	0.335901	0.843048
9001	ENSG00000181852.18	1121.012	-0.18055	0.18781	-0.96137	0.336369	0.843361
6458	ENSG00000156411.10	1130.906	0.175673	0.182744	0.961306	0.336398	0.843361
3330	ENSG00000118418.14	1074.735	0.171087	0.177991	0.96121	0.336447	0.843361
9944	ENSG00000198146.4	699.6235	0.198789	0.206862	0.960971	0.336567	0.843361
2433	ENSG00000107960.11	326.4352	-0.22216	0.231212	-0.96085	0.336627	0.843361
8441	ENSG00000174547.13	957.3739	0.167058	0.173872	0.960814	0.336646	0.843361
438	ENSG00000048028.11	364.985	-0.21059	0.219187	-0.96079	0.336659	0.843361
7354	ENSG00000165322.18	300.0744	0.232119	0.241643	0.960586	0.336761	0.843361
3495	ENSG00000120697.9	857.6875	0.177022	0.184289	0.960568	0.336769	0.843361
9446	ENSG00000186487.20	651.6016	-0.18366	0.191302	-0.96005	0.337028	0.843361
5451	ENSG00000142207.7	1256.848	-0.17447	0.181769	-0.95982	0.337145	0.843361
4701	ENSG00000135318.12	203.2536	0.254965	0.265659	0.959746	0.337183	0.843361
8627	ENSG00000176658.17	5019.396	-0.15801	0.164734	-0.9592	0.337456	0.843361
2973	ENSG00000114520.11	1032.799	0.186443	0.194421	0.958961	0.337578	0.843361
6947	ENSG00000162702.8	563.489	0.1917	0.199972	0.958637	0.337742	0.843361
10857	ENSG00000249437.8	799.0463	-0.19543	0.203878	-0.95857	0.337774	0.843361
3316	ENSG00000118181.11	4646.155	0.153519	0.160184	0.958395	0.337864	0.843361
5905	ENSG00000147548.17	1695.845	-0.16722	0.174521	-0.95818	0.337972	0.843361
1395	ENSG00000092098.17	1166.832	0.18462	0.192705	0.958047	0.338039	0.843361
9288	ENSG00000184925.12	200.2392	0.258755	0.270113	0.957951	0.338088	0.843361
5155	ENSG00000138801.9	1377.814	-0.15897	0.165993	-0.95769	0.338219	0.843361
6153	ENSG00000151553.15	198.1878	0.262093	0.273685	0.957647	0.338241	0.843361
5547	ENSG00000143368.10	3464.561	0.145973	0.15243	0.957638	0.338245	0.843361
8786	ENSG00000178607.16	570.7962	-0.19412	0.202788	-0.95727	0.338428	0.843361
11288	ENSG00000278730.1	1120.77	-0.16161	0.168902	-0.95683	0.338655	0.843361
6181	ENSG00000151952.16	1206.345	-0.1637	0.171096	-0.95679	0.338673	0.843361
8672	ENSG00000177189.14	6268.957	-0.16019	0.167433	-0.95676	0.338688	0.843361
1704	ENSG00000100883.12	1259.748	-0.15978	0.167004	-0.95673	0.338703	0.843361
9244	ENSG00000184428.13	536.8326	-0.18902	0.197594	-0.95662	0.338757	0.843361
3736	ENSG00000124356.16	1039.942	-0.17155	0.17933	-0.95662	0.338761	0.843361
2733	ENSG00000111684.11	3896.7	-0.15922	0.166441	-0.9566	0.338768	0.843361
10438	ENSG00000215114.10	484.4492	-0.19101	0.199683	-0.95657	0.338783	0.843361
6251	ENSG00000153015.16	750.5053	0.171771	0.17958	0.956518	0.338811	0.843361
10700	ENSG00000238197.6	205.733	-0.24995	0.261313	-0.9565	0.338818	0.843361
8517	ENSG00000175279.22	350.3766	0.22824	0.238653	0.956371	0.338885	0.843361
8703	ENSG00000177595.18	1110.768	0.190064	0.198762	0.956238	0.338952	0.843361
2837	ENSG00000112697.17	2202.521	0.175435	0.18348	0.956151	0.338996	0.843361
2700	ENSG00000111361.13	1625.332	-0.16065	0.16803	-0.95607	0.339036	0.843361

8322	ENSG00000173230.15	2439.741	-0.1548	0.16193	-0.95598	0.339083	0.843361
9645	ENSG00000189431.8	227.9407	0.249387	0.26092	0.955797	0.339175	0.843361
85	ENSG00000006042.12	626.9062	0.182272	0.190718	0.955715	0.339216	0.843361
3801	ENSG00000125434.11	365.9131	0.268795	0.281255	0.955699	0.339225	0.843361
238	ENSG00000013561.18	845.773	-0.18534	0.193932	-0.95568	0.339232	0.843361
10883	ENSG00000251369.9	167.7171	0.272513	0.285257	0.955325	0.339413	0.843361
6468	ENSG00000156521.14	949.4812	0.190256	0.199235	0.954931	0.339613	0.843361
2744	ENSG00000111775.3	4446.917	0.158034	0.165493	0.954927	0.339615	0.843361
3291	ENSG00000117650.13	362.3543	0.217198	0.227481	0.954797	0.33968	0.843361
379	ENSG00000038002.9	296.8356	-0.24828	0.260142	-0.95441	0.339876	0.843361
5873	ENSG00000147133.16	660.7842	0.187471	0.196432	0.954382	0.33989	0.843361
1397	ENSG00000092140.16	334.8853	0.233956	0.245142	0.954368	0.339898	0.843361
8900	ENSG00000180155.20	303.0297	0.26514	0.277894	0.954105	0.340031	0.843361
10813	ENSG00000244879.8	1049.737	-0.16608	0.174076	-0.95406	0.340055	0.843361
4059	ENSG00000128641.19	1178.409	-0.16744	0.175506	-0.95403	0.340069	0.843361
3386	ENSG00000119401.10	378.6206	-0.22341	0.234191	-0.95397	0.340099	0.843361
2129	ENSG00000104969.10	4441.76	0.148998	0.156188	0.953969	0.3401	0.843361
710	ENSG00000067177.15	442.2964	-0.20914	0.219437	-0.95308	0.340552	0.844299
11053	ENSG00000262049.1	471.4668	0.202745	0.212793	0.952779	0.340702	0.844417
8095	ENSG00000170962.13	512.6475	-0.20664	0.216898	-0.95269	0.340748	0.844417
6039	ENSG00000149474.13	735.6324	-0.18429	0.193568	-0.95206	0.341068	0.844595
673	ENSG00000065970.9	829.1297	-0.17145	0.180085	-0.95205	0.341071	0.844595
3940	ENSG00000126767.18	3128.737	0.149312	0.15684	0.952001	0.341096	0.844595
10081	ENSG00000198863.7	1108.742	-0.16912	0.177649	-0.95196	0.341116	0.844595
6974	ENSG00000162909.18	2044.518	-0.15497	0.162833	-0.95174	0.341228	0.844685
3218	ENSG00000116922.14	443.9666	-0.19299	0.202811	-0.95156	0.341321	0.844685
151	ENSG00000008324.12	291.8593	0.225699	0.237216	0.951451	0.341375	0.844685
10418	ENSG00000214517.10	1799.182	-0.15498	0.162962	-0.951	0.341602	0.84503
3710	ENSG00000124151.19	498.7551	-0.20443	0.215013	-0.95077	0.341724	0.84503
10184	ENSG00000204386.11	6545.497	0.145206	0.15273	0.950738	0.341737	0.84503
2627	ENSG00000110328.6	809.2055	-0.18158	0.19103	-0.95053	0.341843	0.845109
10724	ENSG00000240445.5	243.7204	-0.23618	0.248566	-0.95016	0.342033	0.845393
7946	ENSG00000169727.12	4381.339	0.159112	0.167567	0.949546	0.342343	0.845802
10209	ENSG00000204576.12	612.537	-0.17785	0.187316	-0.94948	0.342379	0.845802
3141	ENSG00000116151.14	284.3153	-0.25378	0.267374	-0.94917	0.342533	0.845802
8502	ENSG00000175175.6	1838.39	-0.14967	0.157684	-0.94916	0.34254	0.845802
10056	ENSG00000198804.2	508292.6	0.138873	0.14632	0.949101	0.342569	0.845802
856	ENSG00000072422.17	246.547	0.277627	0.292633	0.948721	0.342763	0.846095
5143	ENSG00000138759.19	456.4624	0.259704	0.27383	0.948412	0.34292	0.8463
801	ENSG00000070501.12	337.4266	0.212131	0.223756	0.948048	0.343105	0.846558
5984	ENSG00000148672.9	1851.779	-0.1542	0.162674	-0.94791	0.343173	0.846558
10823	ENSG00000245958.6	240.424	-0.2381	0.251294	-0.94748	0.343393	0.846916
986	ENSG00000077254.14	1153.951	0.170562	0.180073	0.947178	0.343548	0.847009
9194	ENSG00000183837.9	2920.769	0.157483	0.166278	0.947108	0.343584	0.847009
9219	ENSG00000184178.16	216.6238	-0.24732	0.261209	-0.94684	0.343718	0.847009
7443	ENSG00000166002.7	402.755	0.212545	0.224498	0.946757	0.343763	0.847009
10881	ENSG00000251169.2	194.0564	0.256165	0.270624	0.946574	0.343856	0.847009
7733	ENSG00000168002.12	1600.961	0.155017	0.163774	0.946533	0.343877	0.847009
1157	ENSG00000084628.10	280.0617	0.226837	0.239691	0.946374	0.343958	0.847026
9547	ENSG00000188175.10	2590.769	-0.18986	0.200725	-0.94588	0.344208	0.847458
11163	ENSG00000272141.1	386.7302	0.227448	0.24059	0.945374	0.344468	0.847867
10041	ENSG00000198743.7	733.6682	0.22485	0.237911	0.945099	0.344608	0.847867

3873	ENSG00000125895.5	415.6257	0.232574	0.246124	0.944946	0.344686	0.847867
9518	ENSG00000187676.8	163.9914	-0.30496	0.322728	-0.94493	0.344693	0.847867
7989	ENSG00000170037.14	1543.842	-0.16828	0.178105	-0.94483	0.344746	0.847867
8853	ENSG00000179388.9	391.3456	0.24717	0.261689	0.944517	0.344906	0.848076
1239	ENSG00000087263.17	438.6446	-0.20057	0.212392	-0.94434	0.344995	0.848113
8655	ENSG00000177045.10	242.0861	0.274056	0.290278	0.944115	0.345111	0.848215
2665	ENSG00000110911.16	878.6271	-0.17024	0.180419	-0.94359	0.345382	0.848423
10248	ENSG00000205189.12	554.4808	0.205692	0.218	0.943539	0.345405	0.848423
253	ENSG00000015133.19	1704.449	-0.15154	0.160611	-0.94351	0.345419	0.848423
8278	ENSG00000172795.17	377.1564	0.239473	0.253858	0.943334	0.34551	0.848463
9769	ENSG00000196865.4	275.1581	-0.24057	0.255124	-0.94296	0.3457	0.848747
1271	ENSG00000088543.15	350.0654	0.209676	0.222475	0.942471	0.345951	0.849181
8412	ENSG00000174231.17	19031.02	-0.15411	0.163563	-0.9422	0.346091	0.849228
9010	ENSG00000181982.18	260.7596	-0.22964	0.24374	-0.94214	0.34612	0.849228
10483	ENSG00000221829.10	1864.197	0.160825	0.170738	0.941941	0.346223	0.849298
1160	ENSG00000084676.15	1202.658	-0.17159	0.182209	-0.94174	0.346324	0.849364
2975	ENSG00000114544.16	1121.388	-0.19239	0.204349	-0.94149	0.346454	0.849478
4431	ENSG00000132646.11	5401.213	0.150217	0.159575	0.941361	0.34652	0.849478
7540	ENSG00000166598.15	27532.51	0.14495	0.154008	0.941183	0.346611	0.849518
4709	ENSG00000135378.4	360.4643	0.214884	0.228385	0.940886	0.346763	0.849697
9631	ENSG00000189221.10	646.6337	-0.18362	0.195246	-0.94046	0.34698	0.849697
3650	ENSG00000123144.11	3772.662	0.140791	0.149712	0.940414	0.347005	0.849697
10590	ENSG00000229719.5	190.7707	0.252823	0.268842	0.940414	0.347005	0.849697
5686	ENSG00000144591.19	2090.816	0.149245	0.158718	0.940312	0.347057	0.849697
9242	ENSG00000184381.20	753.4057	0.220625	0.234751	0.939826	0.347307	0.849993
7098	ENSG00000163714.18	1501.102	0.16311	0.173561	0.939786	0.347327	0.849993
2146	ENSG00000105171.10	580.5859	0.212724	0.226404	0.939574	0.347436	0.850012
9852	ENSG00000197448.14	1576.961	-0.15018	0.159854	-0.93948	0.347485	0.850012
7962	ENSG00000169891.18	273.1302	0.264981	0.282119	0.939252	0.347601	0.850067
7987	ENSG00000170027.7	3251.624	-0.15782	0.168049	-0.93915	0.347656	0.850067
4099	ENSG00000129195.16	586.7109	0.181887	0.193721	0.93891	0.347777	0.85018
6362	ENSG00000154845.15	1109.715	-0.17152	0.182792	-0.93835	0.348065	0.850662
1337	ENSG00000090273.14	5635.006	0.146428	0.156068	0.938235	0.348124	0.850662
11305	ENSG00000279930.1	362.5876	-0.27322	0.291291	-0.93798	0.348256	0.850803
7364	ENSG00000165434.8	182.8855	-0.25518	0.272164	-0.93759	0.348455	0.851107
5499	ENSG00000142945.13	917.213	-0.16944	0.180777	-0.93727	0.348621	0.851329
5902	ENSG00000147533.17	1256.388	-0.15634	0.166894	-0.93674	0.348894	0.851793
632	ENSG00000064933.18	402.5822	0.209321	0.223627	0.936027	0.349259	0.851793
2220	ENSG00000105649.10	359.7962	0.212267	0.226789	0.935969	0.349289	0.851793
2981	ENSG00000114648.12	630.4194	0.200101	0.213793	0.935958	0.349295	0.851793
5186	ENSG00000139291.14	637.0214	-0.22241	0.237679	-0.93577	0.34939	0.851793
8400	ENSG00000174021.11	1867.882	0.148468	0.158675	0.935673	0.349442	0.851793
11017	ENSG00000260528.5	171.4158	-0.26569	0.283978	-0.93561	0.349474	0.851793
2974	ENSG00000114541.15	676.377	-0.18534	0.198098	-0.9356	0.349478	0.851793
7840	ENSG00000168827.15	977.0204	-0.18285	0.195435	-0.93559	0.349484	0.851793
144	ENSG00000008277.14	343.7629	-0.22378	0.239398	-0.93478	0.349902	0.852503
5072	ENSG00000138180.16	632.5332	-0.17387	0.186015	-0.93473	0.349925	0.852503
9312	ENSG00000185115.6	957.4333	0.159935	0.171184	0.934291	0.350154	0.852878
2870	ENSG00000113194.13	2023.173	-0.14532	0.155628	-0.93374	0.350439	0.853146
9713	ENSG00000196482.18	158.2066	-0.31769	0.340261	-0.93368	0.35047	0.853146
1033	ENSG00000079156.17	688.466	0.216931	0.232427	0.93333	0.35065	0.853146
7049	ENSG00000163482.12	858.1213	-0.17079	0.183004	-0.93327	0.350683	0.853146

4114	ENSG00000129354.12	3502.871	0.138943	0.148924	0.932976	0.350832	0.853146
11378	ENSG00000287038.1	188.723	-0.26194	0.280765	-0.93296	0.350841	0.853146
716	ENSG00000067334.14	1000.806	0.16228	0.173983	0.932737	0.350956	0.853146
1594	ENSG00000100294.13	1076.408	0.15832	0.16983	0.932223	0.351222	0.853146
1072	ENSG00000080824.19	36837.59	0.1292	0.138607	0.932131	0.351269	0.853146
1106	ENSG00000082397.17	2864.458	-0.14482	0.155371	-0.93209	0.351292	0.853146
6464	ENSG00000156482.11	5563.119	0.148624	0.159476	0.93195	0.351363	0.853146
2784	ENSG00000112164.6	232.6936	-0.25077	0.26915	-0.9317	0.351493	0.853146
9874	ENSG00000197694.18	6877.832	0.185987	0.199638	0.931625	0.35153	0.853146
10193	ENSG00000204427.12	4718.351	0.156364	0.167841	0.93162	0.351533	0.853146
2045	ENSG00000104221.13	362.3359	-0.20801	0.223304	-0.93153	0.35158	0.853146
11005	ENSG00000260196.1	470.5329	-0.19127	0.205493	-0.93079	0.351962	0.853146
5721	ENSG00000144935.15	158.2449	-0.27212	0.292363	-0.93076	0.351978	0.853146
6926	ENSG00000162522.11	1099.767	0.164584	0.176831	0.930742	0.351987	0.853146
9204	ENSG00000183963.18	1804.303	0.165604	0.177944	0.930655	0.352032	0.853146
7544	ENSG00000166689.16	979.4751	-0.17853	0.191873	-0.93045	0.35214	0.853146
2316	ENSG00000106537.8	1472.134	0.163185	0.175411	0.930302	0.352215	0.853146
5070	ENSG00000138166.6	389.5755	-0.19886	0.213856	-0.92986	0.352442	0.853146
148	ENSG0000008300.17	7268.568	0.179932	0.19353	0.929737	0.352507	0.853146
4784	ENSG00000135929.9	476.1851	0.209665	0.225543	0.929601	0.352578	0.853146
11256	ENSG00000277072.5	329.3105	-0.24853	0.267378	-0.9295	0.352632	0.853146
6513	ENSG00000157184.7	982.1752	-0.168	0.180807	-0.92919	0.35279	0.853146
6816	ENSG00000161010.15	1145.157	-0.15478	0.166589	-0.92909	0.352844	0.853146
1938	ENSG00000103047.8	166.7439	-0.30155	0.324571	-0.92906	0.352856	0.853146
1591	ENSG00000100281.14	720.2611	-0.18525	0.199429	-0.92893	0.352928	0.853146
6051	ENSG00000149577.16	2282.589	0.148996	0.160414	0.928822	0.352982	0.853146
2769	ENSG00000112033.14	1342.511	0.165448	0.178154	0.92868	0.353055	0.853146
11146	ENSG00000270170.2	440.7781	0.188969	0.203541	0.928409	0.353195	0.853146
2848	ENSG00000112812.16	606.3607	-0.18038	0.194321	-0.92825	0.353276	0.853146
7391	ENSG00000165637.13	2120.083	0.154223	0.166144	0.928249	0.353278	0.853146
827	ENSG00000071282.12	161.4788	-0.26427	0.284716	-0.92819	0.353308	0.853146
6354	ENSG00000154767.15	1309.771	-0.15607	0.168182	-0.92801	0.353402	0.853146
3645	ENSG00000123106.10	444.6344	0.194071	0.209201	0.927676	0.353576	0.853146
55	ENSG00000005059.16	563.6015	0.20727	0.223437	0.927642	0.353593	0.853146
8643	ENSG00000176945.17	242.4144	-0.23319	0.2514	-0.92755	0.353639	0.853146
3312	ENSG00000118058.23	3012.741	-0.15711	0.169471	-0.92704	0.353908	0.853146
2899	ENSG00000113569.16	1377.123	-0.15842	0.170945	-0.92676	0.354053	0.853146
5655	ENSG00000144278.15	1023.445	-0.17403	0.187823	-0.92656	0.354152	0.853146
10788	ENSG00000243725.7	433.4588	-0.20877	0.225332	-0.92652	0.354178	0.853146
568	ENSG00000060339.14	2575.455	0.171605	0.185229	0.926447	0.354214	0.853146
9764	ENSG00000196810.5	1137.257	-0.16306	0.176015	-0.9264	0.354239	0.853146
3779	ENSG00000124839.13	1724.409	0.166153	0.179356	0.926388	0.354244	0.853146
7766	ENSG00000168255.20	939.8391	-0.17118	0.184853	-0.92604	0.354425	0.853146
4187	ENSG00000130363.12	330.3242	-0.23667	0.255622	-0.92587	0.354513	0.853146
7387	ENSG00000165617.15	323.8802	-0.23377	0.252508	-0.92578	0.35456	0.853146
7654	ENSG00000167523.13	640.5216	0.175404	0.189481	0.925708	0.354598	0.853146
562	ENSG00000059728.11	675.7343	-0.18696	0.201973	-0.92566	0.354621	0.853146
3678	ENSG00000123552.18	230.1849	0.277972	0.300303	0.92564	0.354633	0.853146
3296	ENSG00000117707.16	726.3623	-0.17523	0.189311	-0.92561	0.35465	0.853146
5578	ENSG00000143543.15	3676.73	0.136978	0.148009	0.925474	0.354719	0.853146
3558	ENSG00000121691.7	725.7678	-0.17248	0.186426	-0.92521	0.354857	0.853146
2381	ENSG00000107371.13	442.0059	0.197872	0.21387	0.925198	0.354863	0.853146

2662	ENSG00000110881.12	456.1774	0.197209	0.213179	0.925085	0.354922	0.853146
459	ENSG00000049618.24	2452.843	-0.14454	0.156264	-0.925	0.354967	0.853146
10702	ENSG00000239264.9	4260.996	-0.14814	0.160187	-0.92481	0.355064	0.853146
2612	ENSG00000110080.19	890.4784	-0.16021	0.173285	-0.92452	0.355216	0.853146
8527	ENSG00000175376.9	1077.446	-0.16045	0.173559	-0.9245	0.355227	0.853146
9774	ENSG00000196911.11	408.7447	-0.21894	0.236879	-0.92427	0.355345	0.853146
1407	ENSG00000092470.12	1017.532	-0.16798	0.181763	-0.92419	0.355388	0.853146
7968	ENSG00000169918.9	395.0586	-0.20339	0.220082	-0.92415	0.355408	0.853146
5893	ENSG00000147419.19	1358.129	0.160162	0.173341	0.923971	0.355502	0.853146
3308	ENSG00000117971.12	173.4955	0.28928	0.313125	0.92385	0.355565	0.853146
9132	ENSG00000183283.16	2715.423	-0.14753	0.15971	-0.92377	0.355609	0.853146
8996	ENSG00000181789.14	4619.042	-0.15103	0.163518	-0.9236	0.355693	0.853146
954	ENSG00000076067.13	169.0156	0.281537	0.304836	0.923566	0.355712	0.853146
2694	ENSG00000111300.10	636.8199	-0.18028	0.195236	-0.92341	0.355792	0.853146
5934	ENSG00000147955.17	5227.444	0.137158	0.148546	0.923341	0.355829	0.853146
3760	ENSG00000124614.16	9396.836	0.140434	0.1521	0.923301	0.35585	0.853146
3654	ENSG00000123179.14	322.2795	0.211498	0.229106	0.923145	0.355931	0.853146
10143	ENSG00000204103.4	20938.78	-0.1292	0.139967	-0.92307	0.35597	0.853146
2405	ENSG00000107771.17	813.1314	-0.16699	0.180906	-0.92306	0.355977	0.853146
126	ENSG00000007372.23	10276.13	-0.13038	0.141248	-0.92305	0.355981	0.853146
8925	ENSG00000180626.10	269.9836	-0.23162	0.251018	-0.92271	0.356157	0.853146
10039	ENSG00000198740.9	631.4003	0.180882	0.196054	0.922613	0.356209	0.853146
9151	ENSG00000183495.14	3794.082	0.179277	0.194332	0.922529	0.356253	0.853146
6830	ENSG00000161203.13	5819.189	-0.13484	0.146189	-0.92238	0.356329	0.853146
11266	ENSG00000277399.5	521.1853	-0.18394	0.199417	-0.92237	0.356335	0.853146
1632	ENSG00000100416.15	1351.858	-0.15569	0.168815	-0.92223	0.356408	0.853146
9930	ENSG00000198046.12	252.0595	-0.22446	0.243487	-0.92184	0.356609	0.853207
6179	ENSG00000151923.17	1038.882	0.157114	0.170474	0.921629	0.356722	0.853207
7132	ENSG00000163904.13	1017.197	-0.15681	0.170152	-0.92162	0.356727	0.853207
1375	ENSG00000091409.15	192.5009	0.257393	0.279295	0.921583	0.356746	0.853207
3031	ENSG00000115211.16	1015.674	-0.15638	0.169716	-0.92141	0.356836	0.853207
7497	ENSG00000166341.8	4338.051	0.173562	0.188384	0.921321	0.356883	0.853207
7644	ENSG00000167461.12	1613.913	-0.15543	0.168731	-0.92117	0.356959	0.853211
1092	ENSG00000081721.12	444.3137	0.189376	0.20566	0.92082	0.357145	0.853346
1307	ENSG00000089234.16	556.8554	-0.19502	0.211837	-0.92064	0.35724	0.853346
3438	ENSG00000119820.11	1344.692	-0.15954	0.173297	-0.9206	0.35726	0.853346
9460	ENSG00000186660.15	1836.76	-0.15648	0.169999	-0.92049	0.357316	0.853346
5862	ENSG00000147010.18	910.816	-0.18423	0.200228	-0.92012	0.357512	0.853568
3433	ENSG00000119777.20	3606.436	-0.14218	0.154549	-0.91997	0.35759	0.853568
7236	ENSG00000164347.18	505.6247	-0.19319	0.210015	-0.91988	0.357634	0.853568
9220	ENSG00000184182.19	812.0443	0.173739	0.188935	0.919571	0.357797	0.853708
8980	ENSG00000181467.5	549.7108	-0.18012	0.195888	-0.91948	0.357842	0.853708
3610	ENSG00000122565.19	1745.87	0.156163	0.169923	0.919023	0.358084	0.853918
6046	ENSG00000149531.15	332.4642	0.234986	0.255692	0.919019	0.358086	0.853918
2713	ENSG00000111602.12	2957.645	-0.14339	0.156045	-0.91889	0.358155	0.853918
2584	ENSG00000109775.11	234.49	0.233894	0.254749	0.918136	0.358548	0.854675
651	ENSG00000065427.15	2110.628	-0.14828	0.161555	-0.91783	0.358707	0.854809
2506	ENSG00000108774.15	3081.342	-0.13903	0.151501	-0.91769	0.358779	0.854809
5983	ENSG00000148660.20	945.843	-0.17464	0.190365	-0.91739	0.358941	0.854809
7057	ENSG00000163521.16	209.0907	-0.25212	0.274913	-0.91707	0.359104	0.854809
6923	ENSG00000162512.16	544.8738	0.18944	0.206607	0.916907	0.359191	0.854809
671	ENSG00000065911.12	2037.479	0.158613	0.173009	0.916789	0.359253	0.854809

2356	ENSG00000106993.12	246.1208	0.225612	0.246104	0.916733	0.359282	0.854809
2082	ENSG00000104635.14	3543.717	-0.16976	0.185216	-0.91658	0.359364	0.854809
10946	ENSG00000256525.8	244.1914	-0.23207	0.253217	-0.91649	0.359409	0.854809
10331	ENSG00000213190.4	1614.709	-0.16141	0.176125	-0.91646	0.359427	0.854809
11384	ENSG00000288380.1	192.8333	-0.27066	0.295336	-0.91645	0.35943	0.854809
10260	ENSG00000205352.11	2238.059	0.142458	0.15549	0.916188	0.359568	0.854857
1046	ENSG00000079482.13	176.527	0.275829	0.301083	0.916125	0.359602	0.854857
10842	ENSG00000248098.12	1541.114	0.146968	0.160449	0.915984	0.359675	0.854857
3805	ENSG00000125450.11	1233.183	-0.16505	0.180316	-0.91535	0.360009	0.855407
6148	ENSG00000151500.15	553.5378	-0.17576	0.192037	-0.91526	0.360057	0.855407
11238	ENSG00000275700.5	1846.596	-0.14503	0.158496	-0.91503	0.360178	0.855516
7388	ENSG00000165626.17	426.3494	-0.20863	0.22806	-0.9148	0.360295	0.855568
6958	ENSG00000162777.17	509.7547	-0.17933	0.196062	-0.91466	0.360372	0.855568
1518	ENSG00000099910.17	1657.117	0.144641	0.158155	0.914556	0.360425	0.855568
8446	ENSG00000174606.14	235.3683	-0.25533	0.279389	-0.91389	0.360772	0.856214
8317	ENSG00000173207.13	1139.964	0.156331	0.171089	0.913743	0.360852	0.856224
9947	ENSG00000198162.12	1899.56	0.164906	0.180514	0.913535	0.360961	0.856305
9979	ENSG00000198393.8	372.2556	-0.20003	0.219001	-0.91336	0.361052	0.856342
3573	ENSG00000121940.16	781.295	-0.17663	0.193492	-0.91286	0.361315	0.856622
1844	ENSG00000102007.11	9772.162	0.133881	0.14668	0.912739	0.36138	0.856622
7142	ENSG00000163939.18	1951.064	-0.15691	0.171939	-0.91257	0.361469	0.856622
6117	ENSG00000151117.9	379.7601	0.198914	0.217972	0.912566	0.361471	0.856622
10271	ENSG00000205560.13	1120.178	-0.19068	0.20902	-0.91225	0.361636	0.856651
10640	ENSG00000234127.9	1587.262	-0.15679	0.171872	-0.91224	0.361644	0.856651
4561	ENSG00000134049.6	1054.873	0.179633	0.196941	0.912114	0.361709	0.856651
8233	ENSG00000172292.15	3984.707	-0.15098	0.165625	-0.9116	0.361977	0.857048
7205	ENSG00000164181.14	253.0634	0.248986	0.273192	0.911394	0.362088	0.857048
1693	ENSG00000100802.15	570.802	-0.17713	0.194354	-0.91137	0.362102	0.857048
7394	ENSG00000165650.12	881.7881	-0.17445	0.191469	-0.9111	0.362243	0.857203
119	ENSG00000007047.15	1839.624	0.157522	0.172981	0.910634	0.362488	0.857212
291	ENSG00000023041.11	402.3169	-0.2065	0.226855	-0.91028	0.362677	0.857212
2107	ENSG00000104856.14	238.4585	0.229203	0.251815	0.910203	0.362715	0.857212
2403	ENSG00000107745.19	1173.854	-0.16282	0.178888	-0.91019	0.36272	0.857212
8071	ENSG00000170832.13	900.2765	-0.18985	0.2086	-0.91011	0.362764	0.857212
8842	ENSG00000179262.10	6305.341	0.141671	0.155682	0.909998	0.362823	0.857212
10740	ENSG00000241388.5	893.5964	-0.17294	0.190054	-0.90994	0.362853	0.857212
6280	ENSG00000153558.16	215.5564	-0.25297	0.278051	-0.90981	0.362924	0.857212
10972	ENSG00000258315.5	1210.831	0.159633	0.175485	0.909669	0.362997	0.857212
3641	ENSG00000123066.9	1309.267	-0.15255	0.167704	-0.90966	0.363	0.857212
4861	ENSG00000136527.18	2246.869	0.154499	0.169901	0.909346	0.363168	0.857356
10578	ENSG00000228474.6	1400.398	0.159483	0.175398	0.909263	0.363211	0.857356
11386	ENSG00000288534.1	219.3753	0.259331	0.285392	0.908683	0.363517	0.857901
8576	ENSG00000176022.7	2062.691	0.157829	0.173783	0.908191	0.363777	0.858314
1451	ENSG00000095777.17	715.1557	-0.16731	0.184266	-0.90796	0.363899	0.858314
7750	ENSG00000168096.15	581.2697	-0.18998	0.209244	-0.90792	0.363918	0.858314
11113	ENSG00000267855.6	658.9304	0.168935	0.186149	0.907524	0.36413	0.858494
2874	ENSG00000113269.14	3129.643	-0.13609	0.149962	-0.90749	0.364146	0.858494
1144	ENSG00000083857.14	411.2714	0.222332	0.245072	0.90721	0.364296	0.85867
1401	ENSG00000092203.15	1422.642	-0.15145	0.167031	-0.90671	0.364559	0.859113
8671	ENSG00000177181.15	1018.817	-0.1904	0.210062	-0.90642	0.364714	0.859165
1895	ENSG00000102710.20	968.3251	-0.15836	0.17472	-0.90638	0.364732	0.859165
1729	ENSG00000101040.19	1240.723	-0.1608	0.177475	-0.90606	0.364902	0.859387

9808	ENSG00000197106.7	241.849	0.260687	0.287767	0.905899	0.36499	0.859416
6147	ENSG00000151498.12	515.4371	-0.1791	0.197736	-0.90575	0.365069	0.859427
10546	ENSG00000225746.13	742.9014	0.164173	0.181315	0.905459	0.365222	0.859473
3427	ENSG00000119723.17	375.1876	-0.19287	0.213041	-0.90531	0.3653	0.859473
8810	ENSG00000178951.9	2806.693	0.144674	0.159829	0.905181	0.365369	0.859473
5196	ENSG00000139405.16	1222.259	0.150972	0.166794	0.90514	0.365391	0.859473
7861	ENSG00000169016.17	831.6247	-0.17249	0.190727	-0.90437	0.365798	0.859949
10671	ENSG00000236088.10	313.0173	-0.21652	0.23942	-0.90435	0.365809	0.859949
3744	ENSG00000124459.12	293.0008	-0.21447	0.237159	-0.90433	0.36582	0.859949
2688	ENSG00000111261.14	761.8876	-0.16964	0.187633	-0.90409	0.365946	0.860059
6201	ENSG00000152242.11	348.0827	0.238631	0.263984	0.903958	0.366018	0.860059
4428	ENSG00000132635.17	2404.726	0.181065	0.200408	0.903481	0.366271	0.860097
1947	ENSG00000103111.15	2019.268	-0.1551	0.171683	-0.90343	0.366299	0.860097
8431	ENSG00000174444.15	18185.08	0.162763	0.18017	0.903389	0.366319	0.860097
8022	ENSG00000170345.10	2165.052	-0.14884	0.164773	-0.90332	0.366358	0.860097
7638	ENSG00000167393.18	1860.081	0.160156	0.177334	0.903135	0.366454	0.860097
4649	ENSG00000134853.12	246.2619	-0.25616	0.283652	-0.90307	0.366487	0.860097
8449	ENSG00000174652.19	1286.572	-0.17066	0.189125	-0.90234	0.366875	0.860366
2309	ENSG00000106459.15	355.6777	-0.209	0.23167	-0.90215	0.366977	0.860366
8199	ENSG00000171867.17	1674.723	0.150074	0.166375	0.902021	0.367046	0.860366
4976	ENSG00000137338.5	160.818	0.279966	0.31039	0.901981	0.367067	0.860366
477	ENSG00000051009.11	1478.54	0.156546	0.173586	0.901836	0.367144	0.860366
3003	ENSG00000114902.14	2316.289	0.137628	0.152627	0.901731	0.3672	0.860366
7252	ENSG00000164548.11	570.4511	0.174939	0.194032	0.901596	0.367271	0.860366
6122	ENSG00000151208.17	4200.768	-0.14266	0.158247	-0.90151	0.367318	0.860366
6135	ENSG00000151353.15	886.1924	0.168733	0.187196	0.901371	0.367391	0.860366
1060	ENSG00000080345.18	1363.606	0.148622	0.164896	0.901308	0.367425	0.860366
11080	ENSG00000265590.10	160.6868	-0.27462	0.304705	-0.90127	0.367445	0.860366
423	ENSG00000047056.16	330.6571	-0.20036	0.22236	-0.90104	0.367565	0.860366
2818	ENSG00000112511.18	2004.028	0.167903	0.18635	0.901008	0.367584	0.860366
10130	ENSG00000203875.13	532.2376	0.179266	0.199035	0.900674	0.367761	0.860457
4272	ENSG00000131018.24	1038.648	-0.15518	0.172299	-0.90065	0.367774	0.860457
9988	ENSG00000198478.8	315.1076	0.227302	0.252472	0.900305	0.367958	0.860536
4259	ENSG00000130844.18	404.6431	-0.18756	0.208409	-0.89998	0.36813	0.860536
3949	ENSG00000126814.7	275.5049	0.210849	0.234387	0.899573	0.368347	0.860536
5684	ENSG00000144583.5	833.5943	-0.17506	0.194606	-0.89955	0.368358	0.860536
4404	ENSG00000132466.19	3151.666	-0.14257	0.158496	-0.8995	0.368384	0.860536
3001	ENSG00000114861.22	809.668	-0.20557	0.228555	-0.89942	0.368431	0.860536
1941	ENSG00000103061.13	499.0774	-0.19464	0.216416	-0.89936	0.368461	0.860536
7882	ENSG00000169155.10	271.9636	-0.21884	0.243355	-0.89925	0.36852	0.860536
9630	ENSG00000189180.16	817.0668	-0.17194	0.191348	-0.8986	0.368866	0.860536
1298	ENSG00000089094.19	890.7995	-0.16468	0.183275	-0.89852	0.36891	0.860536
5777	ENSG00000145743.17	449.5914	-0.18595	0.207086	-0.89795	0.369212	0.860536
1892	ENSG00000102595.20	797.3512	-0.16563	0.184468	-0.89791	0.369235	0.860536
7127	ENSG00000163879.11	1553.142	-0.14941	0.166411	-0.89785	0.369268	0.860536
5498	ENSG00000142937.12	11691.73	0.143642	0.160002	0.897752	0.369318	0.860536
8260	ENSG00000172554.12	362.3776	-0.19868	0.221316	-0.8977	0.369346	0.860536
2133	ENSG00000104980.8	1195.272	-0.15114	0.168372	-0.89763	0.369381	0.860536
4862	ENSG00000136536.15	1318.813	0.178423	0.198776	0.897607	0.369395	0.860536
5320	ENSG00000140829.12	2924.788	-0.14314	0.159483	-0.89754	0.369431	0.860536
11353	ENSG00000285230.2	166.5092	0.252697	0.281586	0.897405	0.369503	0.860536
264	ENSG00000016402.13	181.3555	0.267822	0.29854	0.897108	0.369661	0.860536

11032	ENSG00000261183.5	206.208	0.235221	0.262199	0.897107	0.369662	0.860536
4769	ENSG00000135829.17	4712.754	0.130633	0.145682	0.896704	0.369877	0.860536
9607	ENSG00000188859.7	170.9182	-0.25241	0.281494	-0.89669	0.369882	0.860536
7315	ENSG00000165006.14	839.3771	-0.16864	0.188072	-0.89668	0.369892	0.860536
3800	ENSG00000125388.20	331.9143	0.201591	0.224851	0.896553	0.369957	0.860536
4468	ENSG00000132953.16	562.2186	-0.21574	0.240673	-0.89639	0.370043	0.860536
4708	ENSG00000135372.9	804.4261	-0.16232	0.18115	-0.89608	0.370212	0.860536
8230	ENSG00000172269.19	2247.504	-0.14708	0.164155	-0.89601	0.37025	0.860536
7197	ENSG00000164163.11	1289.451	0.169099	0.188727	0.895997	0.370254	0.860536
5313	ENSG00000140688.17	3151.417	0.154739	0.172729	0.895848	0.370334	0.860536
8642	ENSG00000176915.15	2995.315	-0.14288	0.159503	-0.89577	0.370373	0.860536
10540	ENSG00000225489.7	279.0322	-0.2333	0.260446	-0.89577	0.370378	0.860536
4671	ENSG00000135048.14	665.1809	-0.1658	0.185138	-0.89556	0.370488	0.860536
3661	ENSG00000123297.20	579.9736	0.199984	0.223319	0.895508	0.370515	0.860536
5793	ENSG00000145934.16	693.2252	0.184578	0.206174	0.895255	0.370651	0.860536
30	ENSG00000003987.14	991.5411	-0.17965	0.20069	-0.89515	0.370708	0.860536
5204	ENSG00000139505.11	616.374	0.22235	0.248422	0.89505	0.370761	0.860536
7577	ENSG00000166913.13	8358.298	0.138111	0.15435	0.89479	0.370899	0.860536
7689	ENSG00000167702.13	3160.517	0.166277	0.18583	0.894779	0.370905	0.860536
6946	ENSG00000162695.12	462.7053	0.195295	0.218271	0.894733	0.37093	0.860536
6569	ENSG00000157954.15	948.9642	-0.15787	0.176453	-0.89468	0.370958	0.860536
10627	ENSG00000233024.7	1465.411	-0.18906	0.211342	-0.89456	0.371023	0.860536
1005	ENSG00000078061.13	3471.91	0.148958	0.166528	0.894494	0.371058	0.860536
1374	ENSG00000091317.8	1584.811	0.169778	0.189965	0.893732	0.371465	0.860572
3078	ENSG00000115541.11	1666.209	0.154805	0.17322	0.893695	0.371485	0.860572
3493	ENSG00000120694.20	3182.558	0.135595	0.151751	0.893535	0.371571	0.860572
7476	ENSG00000166206.15	2197.677	-0.15131	0.169345	-0.89353	0.371575	0.860572
1669	ENSG00000100600.15	1483.208	-0.14379	0.160932	-0.89346	0.37161	0.860572
4367	ENSG00000132128.16	3952.059	0.150064	0.167992	0.893279	0.371708	0.860572
328	ENSG00000029364.12	2099.36	-0.15897	0.177975	-0.89323	0.371734	0.860572
3843	ENSG00000125755.19	4031.316	0.165484	0.185286	0.893126	0.37179	0.860572
6036	ENSG00000149357.10	2438.246	0.139159	0.155814	0.893106	0.3718	0.860572
6108	ENSG00000150991.15	29954.58	-0.14083	0.157698	-0.89305	0.371832	0.860572
8010	ENSG00000170266.16	2709.117	-0.15639	0.175144	-0.89291	0.371904	0.860572
7159	ENSG00000164024.12	876.806	0.198401	0.222372	0.892202	0.372285	0.861268
2094	ENSG00000104738.18	4773.486	-0.13159	0.147546	-0.89189	0.372452	0.861268
6210	ENSG00000152382.6	380.5474	-0.19411	0.217668	-0.89177	0.372516	0.861268
8002	ENSG00000170185.10	982.4579	-0.16419	0.184131	-0.89172	0.372543	0.861268
6495	ENSG00000156958.15	460.5598	-0.19141	0.21467	-0.89164	0.372583	0.861268
4275	ENSG00000131043.12	1766.526	-0.14066	0.157801	-0.89136	0.372736	0.86135
10956	ENSG00000257218.6	1337.583	-0.15323	0.17193	-0.89122	0.372811	0.86135
10828	ENSG00000247092.7	188.2785	0.261449	0.293382	0.891155	0.372846	0.86135
10052	ENSG00000198792.13	4528.054	0.150475	0.168995	0.890412	0.373245	0.861993
930	ENSG00000075391.17	701.4009	-0.19776	0.222125	-0.8903	0.373307	0.861993
3517	ENSG00000120899.18	311.101	-0.20499	0.230272	-0.89021	0.373351	0.861993
8301	ENSG00000173020.11	6315.934	0.135601	0.152548	0.888908	0.374052	0.863299
6942	ENSG00000162664.17	966.6896	0.155486	0.17499	0.888541	0.37425	0.863299
10778	ENSG00000243317.8	2056.114	0.144038	0.162158	0.888259	0.374402	0.863299
5276	ENSG00000140382.15	738.1854	-0.17474	0.196775	-0.88801	0.374535	0.863299
8430	ENSG00000174442.12	550.726	-0.1714	0.193025	-0.88799	0.374544	0.863299
4307	ENSG00000131398.15	2016.828	0.191771	0.216012	0.88778	0.374659	0.863299
4748	ENSG00000135637.14	705.0612	-0.1754	0.197603	-0.88765	0.374731	0.863299

2014	ENSG00000103671.10	293.4386	0.212239	0.239113	0.887609	0.374751	0.863299
4498	ENSG00000133226.17	2125.101	-0.14083	0.158688	-0.88748	0.37482	0.863299
3640	ENSG00000123064.13	2307.353	0.144788	0.163153	0.887436	0.374844	0.863299
796	ENSG00000070413.20	6404.763	0.143144	0.161302	0.887426	0.37485	0.863299
2675	ENSG00000111077.18	184.0057	0.253411	0.285628	0.887206	0.374968	0.863299
3221	ENSG00000116977.19	376.6492	-0.20703	0.233366	-0.88716	0.374995	0.863299
4244	ENSG00000130770.18	2288.731	0.139768	0.157596	0.886874	0.375147	0.863299
7491	ENSG00000166311.10	4595.735	0.147147	0.165928	0.886816	0.375178	0.863299
7326	ENSG00000165118.15	701.3819	-0.16826	0.189738	-0.88679	0.375195	0.863299
8870	ENSG00000179818.14	619.5394	-0.16649	0.187752	-0.88676	0.375206	0.863299
5118	ENSG00000138617.16	604.3208	-0.1682	0.189766	-0.88637	0.375417	0.863452
3935	ENSG00000126709.15	1339.759	0.178882	0.201827	0.886313	0.375449	0.863452
6215	ENSG00000152443.13	397.2812	-0.23766	0.26819	-0.88615	0.375534	0.863452
6214	ENSG00000152439.13	167.5935	-0.25377	0.286418	-0.88602	0.375604	0.863452
4205	ENSG00000130558.20	1653.642	0.167718	0.18933	0.885846	0.3757	0.863452
7352	ENSG00000165288.11	386.633	-0.19403	0.219059	-0.88573	0.375764	0.863452
1740	ENSG00000101132.10	347.246	0.214558	0.242259	0.885656	0.375803	0.863452
11321	ENSG00000281880.2	379.9808	-0.19089	0.215623	-0.88531	0.375991	0.863513
8358	ENSG00000173599.15	1601.191	0.15156	0.171199	0.885288	0.376001	0.863513
8226	ENSG00000172216.6	1322.058	0.150137	0.169638	0.885044	0.376133	0.863513
9197	ENSG00000183864.5	770.7495	-0.16188	0.182901	-0.88504	0.376133	0.863513
4684	ENSG00000135127.11	2905.597	-0.14145	0.1599	-0.88464	0.37635	0.863838
5881	ENSG00000147224.13	1437.708	0.157366	0.177921	0.884469	0.376443	0.863839
3044	ENSG00000115289.14	270.3228	-0.21656	0.244954	-0.88407	0.376658	0.863839
4895	ENSG00000136826.15	174.4177	-0.25503	0.288481	-0.88405	0.376669	0.863839
1550	ENSG00000100084.14	3174.219	-0.13875	0.156969	-0.88395	0.376724	0.863839
2754	ENSG00000111850.11	301.7209	0.209976	0.237549	0.883928	0.376735	0.863839
3699	ENSG00000123983.14	2400.428	0.142175	0.16088	0.883734	0.37684	0.863839
4890	ENSG00000136811.16	1310.884	-0.15372	0.173959	-0.88365	0.376887	0.863839
2905	ENSG00000113595.15	292.2858	0.232915	0.263675	0.883341	0.377052	0.863839
6269	ENSG00000153291.16	305.3392	-0.22364	0.253185	-0.88332	0.377065	0.863839
1272	ENSG00000088682.14	1135.922	-0.15364	0.173954	-0.88324	0.377109	0.863839
3469	ENSG00000120265.18	2301.362	0.141744	0.160538	0.882936	0.377271	0.864035
6348	ENSG00000154719.14	241.2915	0.222677	0.252302	0.882579	0.377464	0.864303
7904	ENSG00000169288.18	326.4343	0.195941	0.222126	0.882116	0.377714	0.864702
7601	ENSG00000167110.18	2574.329	-0.16567	0.187853	-0.88191	0.377824	0.86478
1614	ENSG00000100353.18	2135.369	-0.14313	0.162391	-0.88139	0.378106	0.865253
9362	ENSG00000185522.9	190.3429	0.297792	0.338003	0.881032	0.378301	0.865511
2539	ENSG00000109084.14	4589.621	-0.13783	0.156487	-0.88081	0.378422	0.865511
10198	ENSG00000204463.12	10807.25	0.13174	0.149576	0.880761	0.378447	0.865511
6518	ENSG00000157224.16	954.5831	-0.16508	0.187457	-0.88062	0.378524	0.865512
10375	ENSG00000213780.11	1106.095	0.1716	0.194986	0.880063	0.378825	0.866028
116	ENSG00000006756.16	927.5829	-0.15244	0.173295	-0.87964	0.379053	0.866295
10379	ENSG00000213888.3	234.5438	-0.21765	0.24745	-0.87957	0.379094	0.866295
2937	ENSG00000114030.13	1352.749	-0.18943	0.215416	-0.87939	0.379191	0.866342
6827	ENSG00000161149.12	190.5149	-0.2454	0.27924	-0.87882	0.379496	0.866844
6416	ENSG00000155792.10	221.2531	-0.26036	0.296335	-0.87859	0.379623	0.866844
6955	ENSG00000162757.4	232.5919	-0.2216	0.252296	-0.87834	0.37976	0.866844
5231	ENSG00000139726.11	2129.858	0.137269	0.156317	0.878144	0.379866	0.866844
1810	ENSG00000101596.16	1140.286	0.172878	0.196872	0.878125	0.379876	0.866844
2945	ENSG00000114126.18	986.9416	0.200202	0.228011	0.878035	0.379925	0.866844
5234	ENSG00000139746.16	1156.209	0.161051	0.18343	0.878	0.379943	0.866844

7865	ENSG00000169021.6	2581.928	0.138339	0.157603	0.877768	0.38007	0.866941
7381	ENSG00000165527.7	1619.322	0.142074	0.161907	0.877499	0.380216	0.866941
3322	ENSG00000118260.15	633.7484	0.241618	0.275399	0.877338	0.380303	0.866941
6189	ENSG00000152102.18	3097.201	-0.13489	0.153771	-0.87721	0.380374	0.866941
5079	ENSG00000138246.17	1069.271	-0.15226	0.173586	-0.87716	0.380402	0.866941
4349	ENSG00000131845.15	253.9247	-0.21509	0.245238	-0.87705	0.380458	0.866941
10426	ENSG00000214719.13	175.99	-0.24025	0.273962	-0.87694	0.380519	0.866941
5223	ENSG00000139651.11	721.4208	-0.18763	0.21401	-0.87675	0.380623	0.867004
2980	ENSG00000114646.10	210.8734	0.227018	0.25901	0.876486	0.380766	0.867036
6134	ENSG00000151348.15	2251.752	-0.15355	0.175211	-0.87635	0.380839	0.867036
3548	ENSG00000121481.11	372.7145	0.222174	0.253554	0.876237	0.380901	0.867036
9174	ENSG00000183696.14	307.999	0.209698	0.239337	0.876163	0.380941	0.867036
3740	ENSG00000124383.9	750.5995	0.158351	0.180782	0.875922	0.381073	0.867161
3173	ENSG00000116521.11	4293.286	0.146453	0.167254	0.875634	0.381229	0.867343
6165	ENSG00000151725.12	575.9848	0.167514	0.191345	0.875458	0.381325	0.867368
10037	ENSG00000198732.11	3142.388	0.139007	0.158804	0.875334	0.381392	0.867368
10196	ENSG00000204439.4	748.6842	0.159019	0.181702	0.875164	0.381485	0.867405
6158	ENSG00000151640.13	373.3593	0.203309	0.232347	0.875021	0.381563	0.867409
10079	ENSG00000198860.13	631.163	0.190544	0.217795	0.874879	0.38164	0.867412
5775	ENSG00000145740.19	1099.132	0.148186	0.169413	0.874705	0.381734	0.867429
3871	ENSG00000125877.13	1425.289	0.142907	0.163418	0.874491	0.381851	0.867429
7193	ENSG00000164120.14	618.3942	0.173327	0.198213	0.874445	0.381876	0.867429
9055	ENSG00000182473.22	7528.665	-0.14464	0.165464	-0.87415	0.382036	0.86762
2991	ENSG00000114745.13	1147.116	-0.14657	0.167718	-0.87393	0.382155	0.867679
4813	ENSG00000136143.16	1019.955	0.149328	0.170891	0.873823	0.382215	0.867679
11214	ENSG00000274180.1	257.8558	0.220148	0.25205	0.87343	0.382429	0.86782
10100	ENSG00000198911.12	23540.41	-0.13053	0.149517	-0.87298	0.382673	0.86782
8740	ENSG00000177951.17	2003.637	0.145811	0.167032	0.872954	0.382688	0.86782
1670	ENSG00000100601.10	323.5829	-0.2069	0.237044	-0.87284	0.38275	0.86782
7036	ENSG00000163412.13	484.8338	-0.19231	0.220339	-0.87278	0.382782	0.86782
739	ENSG00000068120.15	3678.997	0.138253	0.158453	0.872512	0.382929	0.86782
2088	ENSG00000104695.13	1803.109	-0.13687	0.156867	-0.8725	0.382934	0.86782
3631	ENSG00000122882.11	732.5653	-0.16502	0.189138	-0.87246	0.382957	0.86782
8586	ENSG00000176142.13	385.2587	0.193294	0.221558	0.872427	0.382975	0.86782
2469	ENSG00000108433.17	1079.719	-0.15278	0.175141	-0.87231	0.383039	0.86782
3787	ENSG00000125166.13	3142.876	-0.14514	0.166532	-0.87156	0.383448	0.868574
5157	ENSG00000138814.17	660.8996	0.168357	0.193225	0.871302	0.383589	0.868665
184	ENSG00000010626.15	170.3855	-0.24927	0.286139	-0.87115	0.383671	0.868665
8507	ENSG00000175198.17	259.7844	0.21905	0.251501	0.870973	0.383769	0.868665
9639	ENSG00000189339.12	5200.383	-0.1412	0.16213	-0.87093	0.383793	0.868665
8434	ENSG00000174469.23	488.7693	-0.17369	0.199536	-0.87046	0.384051	0.868736
2672	ENSG00000110987.9	276.4994	0.228503	0.262574	0.870244	0.384167	0.868736
1572	ENSG00000100211.10	469.2988	-0.17879	0.205464	-0.8702	0.384191	0.868736
3804	ENSG00000125449.7	654.2157	0.180733	0.207694	0.870187	0.384198	0.868736
3630	ENSG00000122873.12	628.6053	0.164482	0.189022	0.870172	0.384206	0.868736
8760	ENSG00000178171.11	1717.746	-0.1479	0.170051	-0.86971	0.384457	0.868859
3274	ENSG00000117528.14	1716.48	0.148906	0.171255	0.869495	0.384576	0.868859
1524	ENSG00000099956.20	3499.857	0.132139	0.151979	0.869452	0.3846	0.868859
1775	ENSG00000101343.15	975.3327	0.152909	0.175876	0.869414	0.384621	0.868859
3113	ENSG00000115944.15	2122.31	0.180854	0.208053	0.869271	0.384699	0.868859
9859	ENSG00000197535.14	637.5822	-0.16723	0.19241	-0.86916	0.38476	0.868859
8631	ENSG00000176731.12	452.2141	0.193501	0.222679	0.868969	0.384864	0.868859

5366	ENSG00000141367.12	8808.542	0.13712	0.157874	0.868544	0.385097	0.868859
7542	ENSG00000166681.14	2552.635	0.132133	0.152138	0.868507	0.385117	0.868859
11363	ENSG00000285756.2	2035.973	-0.1455	0.167537	-0.86847	0.385135	0.868859
4251	ENSG00000130813.18	403.6695	-0.1947	0.224197	-0.86842	0.385165	0.868859
2132	ENSG00000104979.9	1504.237	0.142329	0.163898	0.868399	0.385176	0.868859
9741	ENSG00000196655.12	885.3065	0.151823	0.174974	0.867686	0.385566	0.869431
5854	ENSG00000146842.17	753.5472	-0.15587	0.17965	-0.86763	0.385594	0.869431
1238	ENSG00000087258.16	11255.68	0.155059	0.178739	0.867517	0.385659	0.869431
987	ENSG00000077264.15	539.5251	-0.1857	0.214134	-0.8672	0.385833	0.869651
255	ENSG00000015171.20	979.0005	-0.16123	0.186002	-0.86684	0.386031	0.869913
6549	ENSG00000157734.14	223.4562	0.221508	0.255659	0.866421	0.386259	0.869913
7508	ENSG00000166411.14	941.7459	-0.15465	0.178532	-0.86623	0.386363	0.869913
8179	ENSG00000171720.10	1410.759	-0.14437	0.166665	-0.8662	0.38638	0.869913
8181	ENSG00000171729.14	509.3001	0.180688	0.208607	0.866166	0.386399	0.869913
5840	ENSG00000146670.10	1698.308	-0.14565	0.168158	-0.86615	0.386407	0.869913
2879	ENSG00000113312.11	688.5437	0.166098	0.191882	0.865626	0.386695	0.870389
5827	ENSG00000146416.19	829.662	0.154682	0.178759	0.865309	0.386869	0.870595
6837	ENSG00000161270.19	555.0411	0.171951	0.198746	0.865181	0.38694	0.870595
5248	ENSG00000140022.13	364.0844	-0.19233	0.222385	-0.86484	0.387127	0.870717
2820	ENSG00000112531.17	368.1322	-0.20307	0.23483	-0.86476	0.387173	0.870717
5353	ENSG00000141098.13	1298.689	0.144519	0.167139	0.864664	0.387223	0.870717
1277	ENSG00000088832.17	6290.938	-0.1416	0.163869	-0.86412	0.387523	0.87122
7062	ENSG00000163536.13	1805.723	0.151594	0.175512	0.863725	0.387739	0.871532
5771	ENSG00000145725.20	786.3817	0.187572	0.217272	0.863307	0.387969	0.871877
6811	ENSG00000160959.8	3353.639	0.179368	0.207924	0.862661	0.388324	0.872503
5364	ENSG00000141298.19	768.2334	0.164349	0.1906	0.862273	0.388538	0.872725
5173	ENSG00000139174.12	363.3701	-0.2318	0.268855	-0.86218	0.388591	0.872725
10176	ENSG00000204344.14	694.9656	0.182088	0.211224	0.862063	0.388653	0.872725
7896	ENSG00000169230.10	3450.713	0.130007	0.150855	0.8618	0.388798	0.872878
1109	ENSG00000082512.15	168.2532	-0.24905	0.289051	-0.86161	0.388904	0.872945
4696	ENSG00000135297.16	423.9424	-0.20416	0.236999	-0.86143	0.389001	0.872992
7225	ENSG00000164305.19	847.6508	0.15918	0.184993	0.860465	0.389533	0.873804
5519	ENSG00000143162.9	575.6916	0.173027	0.201149	0.860196	0.389681	0.873804
9838	ENSG00000197324.9	4779.805	0.158084	0.183826	0.859967	0.389807	0.873804
7355	ENSG00000165325.13	166.0668	0.253231	0.294472	0.859951	0.389816	0.873804
6644	ENSG00000159055.4	325.4469	0.204764	0.238116	0.859936	0.389824	0.873804
7526	ENSG00000166507.19	962.1732	0.149522	0.173904	0.859794	0.389902	0.873804
7227	ENSG00000164307.13	489.4095	-0.17365	0.202014	-0.85961	0.390003	0.873804
3927	ENSG00000126562.17	1452.697	0.147457	0.171553	0.859542	0.390042	0.873804
7306	ENSG00000164951.16	224.0687	0.230955	0.268703	0.859519	0.390054	0.873804
7490	ENSG00000166295.9	1548.934	0.162703	0.18938	0.859137	0.390265	0.874062
7849	ENSG00000168904.15	374.6574	-0.1909	0.222225	-0.85903	0.390323	0.874062
5996	ENSG00000148840.11	1906.609	0.166187	0.19349	0.858893	0.3904	0.874062
9984	ENSG00000198453.13	232.4121	-0.21504	0.250499	-0.85844	0.390648	0.874398
2758	ENSG00000111879.20	536.1321	-0.16829	0.196062	-0.85834	0.390703	0.874398
1489	ENSG00000099341.11	3551.56	-0.13745	0.160161	-0.85819	0.390786	0.874412
9583	ENSG00000188599.17	516.2604	0.195129	0.227463	0.85785	0.390975	0.874663
8674	ENSG00000177192.14	366.4177	0.202468	0.236233	0.857069	0.391407	0.875446
3719	ENSG00000124198.9	2669.664	-0.16169	0.188736	-0.85673	0.391596	0.875446
437	ENSG00000047932.14	1410.556	0.160018	0.186805	0.856603	0.391665	0.875446
9322	ENSG00000185189.18	471.0918	-0.17479	0.204074	-0.85652	0.391708	0.875446
3005	ENSG00000114923.17	601.9601	0.198581	0.231892	0.856351	0.391804	0.875446

6292	ENSG00000153827.14	2017.867	-0.17332	0.202415	-0.85627	0.391851	0.875446
776	ENSG00000069956.12	1222.934	0.185013	0.216076	0.856243	0.391863	0.875446
11216	ENSG00000274253.5	310.9117	0.195502	0.228385	0.856019	0.391987	0.875551
1878	ENSG00000102317.18	2237.374	-0.14579	0.170366	-0.85574	0.392141	0.875581
1620	ENSG00000100376.12	321.5459	-0.19066	0.222835	-0.85563	0.392202	0.875581
4120	ENSG00000129484.13	1101.478	-0.14536	0.169898	-0.85558	0.392231	0.875581
10560	ENSG00000226816.3	322.0104	-0.19193	0.224383	-0.85536	0.392352	0.875635
10884	ENSG00000251381.8	1032.14	-0.14787	0.172892	-0.85526	0.39241	0.875635
3906	ENSG00000126243.9	2294.186	0.157649	0.184386	0.854995	0.392554	0.875786
7789	ENSG00000168395.16	1466.664	-0.14655	0.171502	-0.85449	0.392832	0.876099
7543	ENSG00000166685.12	1929.634	-0.13994	0.163781	-0.85446	0.392848	0.876099
3885	ENSG00000125971.16	5643.062	0.128353	0.150292	0.854024	0.393092	0.876224
1580	ENSG00000100228.12	969.4122	0.153709	0.180002	0.853928	0.393145	0.876224
10998	ENSG00000259781.1	509.3754	0.171561	0.200921	0.853872	0.393176	0.876224
8321	ENSG00000173226.17	448.1777	-0.17396	0.203751	-0.85381	0.393212	0.876224
2565	ENSG00000109475.16	3055.052	0.143187	0.167887	0.852882	0.393725	0.877012
5987	ENSG00000148700.15	667.9468	-0.17399	0.204036	-0.85276	0.393792	0.877012
6402	ENSG00000155463.14	2243.337	-0.13125	0.15392	-0.85269	0.393831	0.877012
3270	ENSG00000117505.13	1748.735	0.147242	0.172703	0.852572	0.393896	0.877012
8743	ENSG00000177971.8	1074.283	0.165265	0.193865	0.852475	0.393951	0.877012
2286	ENSG00000106263.18	2382.824	-0.14205	0.166692	-0.85215	0.394132	0.877203
9334	ENSG00000185305.11	377.7275	0.188017	0.220666	0.852042	0.394191	0.877203
4681	ENSG00000135108.15	1772.312	-0.15836	0.185933	-0.85172	0.394371	0.877348
10062	ENSG00000198824.7	726.6588	0.169301	0.198806	0.851593	0.39444	0.877348
5982	ENSG00000148634.15	598.0599	-0.16968	0.199274	-0.85151	0.394487	0.877348
4674	ENSG00000135069.14	2699.405	0.152868	0.179579	0.851255	0.394627	0.877418
1371	ENSG00000091157.13	688.5502	-0.16316	0.191704	-0.85111	0.394707	0.877418
1100	ENSG00000082153.18	2517.602	0.193754	0.227679	0.850993	0.394773	0.877418
5236	ENSG00000139826.6	627.0729	0.193013	0.226882	0.850719	0.394926	0.877418
10113	ENSG00000198937.9	406.2926	0.18182	0.21378	0.8505	0.395047	0.877418
295	ENSG00000023287.13	769.5704	0.161016	0.189328	0.850459	0.39507	0.877418
4235	ENSG00000130741.11	3505.919	-0.12668	0.148971	-0.85038	0.395116	0.877418
273	ENSG00000019485.13	645.3882	0.160199	0.188459	0.850046	0.3953	0.877418
10871	ENSG00000250462.8	411.1226	-0.17944	0.21111	-0.84997	0.395342	0.877418
5128	ENSG00000138663.9	694.0334	0.204271	0.240331	0.849955	0.39535	0.877418
5654	ENSG00000144233.10	687.4578	-0.15747	0.185294	-0.84985	0.39541	0.877418
415	ENSG00000044090.10	3775.671	0.137968	0.162355	0.849788	0.395443	0.877418
547	ENSG00000058335.16	389.854	-0.2117	0.249214	-0.84946	0.395625	0.877526
1093	ENSG00000081760.17	7861.031	-0.12133	0.142837	-0.84942	0.395646	0.877526
7030	ENSG00000163377.16	397.4084	-0.18845	0.221927	-0.84915	0.3958	0.877697
10219	ENSG00000204650.14	515.6245	-0.16583	0.195387	-0.84874	0.396028	0.878013
11074	ENSG00000264772.6	239.097	-0.24361	0.287065	-0.84861	0.396097	0.878013
6453	ENSG00000156313.15	238.2246	0.211566	0.249414	0.848252	0.396298	0.878287
4462	ENSG00000132881.12	310.2464	0.210808	0.248689	0.847677	0.396618	0.878826
17	ENSG00000002586.20	16812.47	0.130815	0.154389	0.84731	0.396823	0.879109
10582	ENSG00000228623.6	207.6436	0.220501	0.260414	0.846733	0.397144	0.87965
7311	ENSG00000164976.9	615.4896	0.171752	0.202942	0.846312	0.397379	0.879818
5256	ENSG00000140157.15	1248.449	-0.1423	0.168144	-0.84629	0.397391	0.879818
8033	ENSG00000170464.10	503.3244	-0.18219	0.215336	-0.84607	0.397513	0.879818
7935	ENSG00000169660.17	1318.345	0.157299	0.185923	0.846042	0.397529	0.879818
520	ENSG00000055208.19	1627.13	-0.13531	0.159996	-0.84569	0.397725	0.88008
372	ENSG00000037042.9	651.0443	-0.17207	0.203621	-0.84504	0.39809	0.880717

8353	ENSG00000173567.15	260.5911	-0.20122	0.23823	-0.84465	0.398308	0.880845
11160	ENSG00000272047.3	526.0199	0.167863	0.198749	0.844596	0.398336	0.880845
10083	ENSG00000198874.13	412.0475	-0.17775	0.210499	-0.84442	0.398436	0.880845
8205	ENSG00000171956.7	473.802	0.218089	0.258284	0.84438	0.398457	0.880845
4967	ENSG00000137274.13	664.8979	-0.15581	0.184675	-0.84368	0.398849	0.881095
6308	ENSG00000154079.6	171.7143	0.248354	0.294428	0.843515	0.398941	0.881095
9214	ENSG00000184083.12	264.6938	-0.20299	0.240716	-0.84326	0.399083	0.881095
2704	ENSG00000111445.14	743.2118	-0.15384	0.182437	-0.84323	0.399103	0.881095
1105	ENSG00000082269.16	565.5169	0.168563	0.199949	0.84303	0.399212	0.881095
8811	ENSG00000178952.11	6982.946	0.121855	0.144602	0.842694	0.3994	0.881095
760	ENSG00000068885.15	566.0142	-0.1669	0.198084	-0.84257	0.399469	0.881095
4063	ENSG00000128699.14	1169.087	-0.14478	0.171866	-0.84242	0.399555	0.881095
7833	ENSG00000168795.5	567.7376	-0.1746	0.207267	-0.84241	0.399557	0.881095
11364	ENSG00000285793.1	191.2501	-0.23028	0.273371	-0.84238	0.399577	0.881095
11078	ENSG00000265479.7	177.2927	-0.28542	0.338835	-0.84236	0.399589	0.881095
8846	ENSG00000179299.17	339.0636	-0.18796	0.223147	-0.84232	0.399607	0.881095
6426	ENSG00000155957.18	620.1807	0.177376	0.210629	0.842125	0.399718	0.881095
904	ENSG00000074590.13	174.1262	-0.24843	0.295007	-0.84211	0.399724	0.881095
3915	ENSG00000126267.11	2667.332	0.127091	0.150921	0.842102	0.399731	0.881095
7349	ENSG00000165280.16	7739.66	-0.14169	0.168292	-0.84194	0.399819	0.881118
3790	ENSG00000125249.7	719.0231	0.166887	0.198289	0.841634	0.399993	0.881331
10144	ENSG00000204104.12	311.2767	0.204398	0.243047	0.840983	0.400358	0.881964
8306	ENSG00000173085.15	294.2753	0.203619	0.242223	0.840627	0.400557	0.881979
10662	ENSG00000235437.8	860.9438	0.160199	0.19058	0.840584	0.400581	0.881979
9050	ENSG00000182378.14	5522.855	0.126747	0.150827	0.840348	0.400713	0.881979
8023	ENSG00000170348.9	5368.529	-0.13578	0.161611	-0.84019	0.4008	0.881979
1722	ENSG00000100983.12	3369.784	-0.12493	0.148805	-0.83954	0.401164	0.881979
10393	ENSG00000214022.11	7174.512	0.133303	0.158796	0.839456	0.401214	0.881979
5016	ENSG00000137802.14	1442.932	-0.14554	0.173422	-0.83922	0.401348	0.881979
644	ENSG00000065183.16	501.3162	-0.17105	0.203901	-0.83891	0.40152	0.881979
5106	ENSG00000138463.9	407.6431	-0.18267	0.217808	-0.83868	0.401649	0.881979
1016	ENSG00000078369.18	12812.36	-0.12504	0.149097	-0.83867	0.401654	0.881979
6586	ENSG00000158169.13	687.7401	-0.15464	0.18439	-0.83863	0.401677	0.881979
4760	ENSG00000135763.10	280.4531	-0.21233	0.253194	-0.83861	0.401687	0.881979
10077	ENSG00000198856.13	1250.545	0.157444	0.187754	0.838564	0.401714	0.881979
10949	ENSG00000256771.4	182.7152	0.23131	0.27586	0.838506	0.401747	0.881979
3781	ENSG00000125037.12	980.7205	-0.16857	0.201123	-0.83815	0.401945	0.881979
464	ENSG00000049883.15	289.3373	-0.22513	0.2686	-0.83815	0.401948	0.881979
774	ENSG00000069849.11	1580.531	0.133682	0.159528	0.837986	0.402039	0.881979
9409	ENSG00000185986.12	232.5571	-0.22509	0.268628	-0.83794	0.402064	0.881979
3094	ENSG00000115758.13	5685.452	-0.13157	0.157031	-0.83785	0.402118	0.881979
7425	ENSG00000165832.6	252.0108	0.252804	0.301732	0.83784	0.40212	0.881979
12	ENSG00000001630.17	12863.36	0.133214	0.159001	0.837816	0.402134	0.881979
8492	ENSG00000175073.8	277.7278	0.208708	0.249135	0.837732	0.402181	0.881979
4335	ENSG00000131725.14	234.8374	-0.21348	0.254854	-0.83765	0.402228	0.881979
7846	ENSG00000168890.14	586.0405	0.195642	0.233562	0.837644	0.402231	0.881979
10366	ENSG00000213672.8	2269.315	0.143448	0.171285	0.83748	0.402323	0.881979
4635	ENSG00000134755.17	259.8309	0.246783	0.294709	0.837381	0.402378	0.881979
250	ENSG00000014824.14	2262.338	0.172525	0.206077	0.837188	0.402487	0.882047
753	ENSG00000068654.16	2105.877	-0.173	0.206736	-0.83681	0.402698	0.882341
7245	ENSG00000164466.13	1831.803	-0.15471	0.184956	-0.83649	0.402881	0.882412
1848	ENSG00000102038.16	1685.997	-0.13414	0.160367	-0.83647	0.402889	0.882412

6162	ENSG00000151692.15	971.6175	-0.15692	0.187646	-0.83627	0.403002	0.882412
8058	ENSG00000170634.13	242.7512	0.212672	0.254335	0.836186	0.40305	0.882412
7413	ENSG00000165733.8	1305.389	-0.1375	0.164478	-0.83601	0.403152	0.882412
10059	ENSG00000198815.9	1375.963	-0.14529	0.173829	-0.83582	0.403257	0.882412
2951	ENSG00000114270.17	383.3751	0.558846	0.668675	0.835751	0.403295	0.882412
9890	ENSG00000197782.14	278.978	-0.22475	0.268947	-0.83565	0.403351	0.882412
6833	ENSG00000161243.9	466.1045	-0.1682	0.201357	-0.83535	0.40352	0.882612
10599	ENSG00000230513.2	165.3049	0.249432	0.298722	0.834997	0.40372	0.882779
3945	ENSG00000126778.12	171.7475	0.23159	0.277478	0.834624	0.403929	0.882779
2068	ENSG00000104427.12	210.821	0.251982	0.301912	0.834621	0.403931	0.882779
9670	ENSG00000196236.13	285.2829	0.200811	0.240623	0.834545	0.403974	0.882779
8721	ENSG00000177731.16	4309.815	0.141673	0.169764	0.834528	0.403984	0.882779
2610	ENSG00000110075.14	2122.006	-0.13432	0.161026	-0.83417	0.404188	0.883043
10902	ENSG00000253953.3	423.3675	0.181104	0.217298	0.833434	0.4046	0.883043
3996	ENSG00000127804.13	764.7426	-0.15889	0.190662	-0.83334	0.404651	0.883043
8062	ENSG00000170677.6	601.4513	0.184232	0.221076	0.833341	0.404652	0.883043
2421	ENSG00000107882.12	778.4895	0.14939	0.179317	0.833108	0.404784	0.883043
2114	ENSG00000104881.16	391.3469	0.275485	0.330707	0.833019	0.404834	0.883043
1293	ENSG00000089050.16	671.2189	-0.16595	0.199249	-0.83288	0.404911	0.883043
6695	ENSG00000159720.12	7060.249	0.13186	0.158329	0.832825	0.404943	0.883043
8097	ENSG00000171033.13	213.893	0.228298	0.274135	0.832794	0.404961	0.883043
376	ENSG00000037749.12	354.8671	-0.25498	0.306248	-0.83259	0.405075	0.883043
9721	ENSG00000196526.10	414.4146	-0.17454	0.209638	-0.83258	0.405083	0.883043
4466	ENSG00000132950.19	267.1353	-0.20517	0.246443	-0.83252	0.405116	0.883043
1341	ENSG00000090447.12	433.6471	0.195572	0.235019	0.832152	0.405323	0.883043
3000	ENSG00000114859.16	228.9337	0.210454	0.252923	0.832086	0.40536	0.883043
6520	ENSG00000157240.4	1679.582	-0.14079	0.169222	-0.83199	0.405412	0.883043
6367	ENSG00000154920.15	279.3372	-0.23648	0.284242	-0.83198	0.405419	0.883043
10266	ENSG00000205485.13	185.047	0.243442	0.292607	0.831975	0.405423	0.883043
9342	ENSG00000185361.9	329.9171	0.210295	0.25284	0.831733	0.40556	0.883172
1249	ENSG00000087460.26	341555	0.119306	0.143472	0.831561	0.405657	0.883214
3151	ENSG00000116213.16	665.2189	-0.15798	0.190013	-0.83139	0.405752	0.883252
10804	ENSG00000244257.5	415.3826	-0.20963	0.252229	-0.83113	0.405902	0.88338
8183	ENSG00000171763.20	291.3541	-0.19452	0.234194	-0.83059	0.406207	0.88338
2310	ENSG00000106460.19	485.8915	-0.1967	0.236838	-0.83053	0.406239	0.88338
4995	ENSG00000137513.10	520.7076	-0.17536	0.211205	-0.8303	0.40637	0.88338
9734	ENSG00000196591.12	3412.204	0.142675	0.17186	0.830177	0.406439	0.88338
1854	ENSG00000102096.9	1802.504	0.140812	0.169618	0.830169	0.406443	0.88338
681	ENSG00000066136.20	830.1028	-0.14754	0.17774	-0.83006	0.406504	0.88338
5394	ENSG00000141551.14	6504.751	-0.12139	0.146247	-0.83003	0.406523	0.88338
6780	ENSG00000160691.19	858.6416	-0.14766	0.177936	-0.82987	0.40661	0.88338
1905	ENSG00000102805.16	429.0832	-0.1835	0.221154	-0.82974	0.406684	0.88338
8682	ENSG00000177352.10	794.6796	-0.15118	0.182224	-0.82964	0.40674	0.88338
3875	ENSG00000125901.6	2426.765	0.127906	0.154219	0.829378	0.406891	0.88338
1640	ENSG00000100439.10	1388.111	-0.13934	0.168007	-0.82937	0.406895	0.88338
9350	ENSG00000185453.13	596.7708	0.197551	0.238206	0.829326	0.40692	0.88338
10415	ENSG00000214413.9	182.7063	0.228088	0.275113	0.82907	0.407065	0.88338
11096	ENSG00000267002.4	445.4845	-0.18344	0.22126	-0.82905	0.407076	0.88338
7183	ENSG00000164091.12	2994.466	-0.13925	0.167982	-0.82896	0.407129	0.88338
7969	ENSG00000169919.17	5887.995	-0.12641	0.152573	-0.82851	0.407383	0.883762
2243	ENSG00000105793.16	350.0613	0.198325	0.239464	0.828204	0.407555	0.88378
539	ENSG00000057704.13	1384.785	-0.14347	0.17326	-0.82807	0.407629	0.88378

8308	ENSG00000173120.15	3684.541	-0.13997	0.169056	-0.82793	0.407712	0.88378
2127	ENSG00000104964.15	15827.02	0.116155	0.140335	0.827702	0.407839	0.88378
7486	ENSG00000166266.14	445.1866	0.196329	0.237266	0.827465	0.407973	0.88378
1694	ENSG00000100804.19	4753.218	0.120117	0.14517	0.827424	0.407997	0.88378
3752	ENSG00000124562.10	1592.05	0.13765	0.166377	0.827335	0.408047	0.88378
1557	ENSG00000100109.17	986.4496	-0.14164	0.171207	-0.82731	0.408062	0.88378
1061	ENSG00000080371.6	1253.588	-0.14795	0.178844	-0.82726	0.408089	0.88378
8461	ENSG00000174749.6	290.7391	0.204008	0.246672	0.82704	0.408215	0.883825
10524	ENSG00000224389.9	1417.276	0.143961	0.174087	0.82695	0.408265	0.883825
10323	ENSG00000213064.10	1194.99	-0.13845	0.167456	-0.82676	0.408371	0.883885
130	ENSG00000007516.14	2073.888	-0.1606	0.194358	-0.82632	0.408623	0.884262
9185	ENSG00000183765.22	297.5674	-0.18934	0.229262	-0.82588	0.40887	0.884306
10383	ENSG00000213923.13	2927.191	-0.12505	0.151421	-0.82587	0.40888	0.884306
10185	ENSG00000204387.14	2600.805	0.136019	0.164704	0.825839	0.408895	0.884306
9215	ENSG00000184110.15	15396.75	0.127587	0.154513	0.825736	0.408954	0.884306
1211	ENSG00000086475.15	724.0894	-0.17771	0.215321	-0.82533	0.409184	0.884567
4144	ENSG00000129965.15	228.8091	0.236379	0.286484	0.825103	0.409313	0.884567
2987	ENSG00000114738.11	1454.158	0.139345	0.168898	0.825026	0.409357	0.884567
9097	ENSG00000182903.16	508.9912	0.170108	0.206198	0.824976	0.409385	0.884567
8017	ENSG00000170312.16	1413.394	0.138975	0.168495	0.824802	0.409484	0.884593
3831	ENSG00000125676.20	2386.586	0.139364	0.16904	0.824447	0.409686	0.884593
92	ENSG00000006282.21	2253.185	0.13541	0.164309	0.824119	0.409872	0.884593
7869	ENSG00000169057.24	1781.378	-0.12919	0.156771	-0.82406	0.409903	0.884593
4057	ENSG00000128609.15	1806.64	0.149307	0.181221	0.823894	0.41	0.884593
8403	ENSG00000174109.5	221.6729	0.208279	0.252813	0.823844	0.410028	0.884593
1989	ENSG00000103415.12	1368.293	-0.13496	0.163815	-0.82383	0.410034	0.884593
6996	ENSG00000163041.12	7353.027	0.144149	0.174979	0.823809	0.410048	0.884593
7068	ENSG00000163590.14	757.5789	-0.1705	0.206993	-0.82368	0.410124	0.884593
5942	ENSG00000148143.13	1205.873	-0.14173	0.17209	-0.82359	0.410174	0.884593
8600	ENSG00000176371.14	843.7353	0.159061	0.193208	0.823263	0.410359	0.884654
203	ENSG00000011347.10	11242.49	-0.12543	0.152363	-0.82322	0.410381	0.884654
9208	ENSG00000184009.12	92039.49	-0.11795	0.143297	-0.82313	0.410435	0.884654
3751	ENSG00000124541.7	1287.35	-0.13833	0.168135	-0.82276	0.410644	0.884691
3098	ENSG00000115806.13	3080.569	-0.12526	0.15225	-0.8227	0.410678	0.884691
2247	ENSG00000105829.13	351.2676	-0.18719	0.227561	-0.8226	0.410736	0.884691
4164	ENSG00000130204.13	2539.71	0.128444	0.156154	0.822548	0.410765	0.884691
469	ENSG00000050344.9	218.8081	0.220596	0.268229	0.822415	0.410841	0.884691
1450	ENSG00000095637.22	222.7483	-0.23844	0.290011	-0.82217	0.41098	0.884794
9066	ENSG00000182568.17	168.719	-0.23256	0.282917	-0.82202	0.411067	0.884794
5082	ENSG00000138303.18	405.6267	-0.18819	0.229012	-0.82174	0.411228	0.884794
3510	ENSG00000120832.10	434.3601	-0.17547	0.213555	-0.82166	0.411269	0.884794
2876	ENSG00000113273.17	291.2022	-0.19752	0.240403	-0.82164	0.411282	0.884794
9333	ENSG00000185298.13	1140.041	-0.1386	0.168718	-0.8215	0.411364	0.884794
791	ENSG00000070269.14	506.9469	-0.17197	0.20938	-0.82133	0.411459	0.884794
6083	ENSG00000150403.18	1721.737	-0.13022	0.158567	-0.82124	0.41151	0.884794
3758	ENSG00000124596.17	666.7949	-0.15201	0.185173	-0.82089	0.411707	0.88505
8979	ENSG00000181458.10	170.5483	0.233889	0.285158	0.82021	0.412096	0.885274
5069	ENSG00000138162.19	689.184	0.155403	0.189476	0.820175	0.412116	0.885274
8710	ENSG00000177646.19	1193.252	-0.13632	0.166208	-0.82017	0.412118	0.885274
7208	ENSG00000164190.19	1282.936	0.14263	0.173932	0.82003	0.412199	0.885274
10673	ENSG00000236144.8	309.052	-0.20306	0.247626	-0.82003	0.4122	0.885274
10923	ENSG00000254999.4	2365.858	0.13874	0.169237	0.819796	0.412332	0.885391

2357	ENSG00000107020.10	201.7372	0.22062	0.269175	0.819615	0.412435	0.885445
10137	ENSG00000203993.6	706.1943	0.172713	0.210761	0.819474	0.412516	0.885452
8126	ENSG00000171227.7	5907.533	0.126985	0.155039	0.819051	0.412758	0.885502
5489	ENSG00000142784.16	2730.231	0.139487	0.170304	0.81905	0.412758	0.885502
3420	ENSG00000119688.21	1361.633	-0.13358	0.163099	-0.81902	0.412773	0.885502
8493	ENSG00000175087.10	364.0733	0.19539	0.238673	0.818652	0.412985	0.88579
5097	ENSG00000138430.16	1819.436	0.136376	0.166684	0.818175	0.413257	0.885985
6332	ENSG00000154359.13	428.7463	-0.17044	0.208358	-0.81802	0.413344	0.885985
4675	ENSG00000135070.15	576.6433	-0.16467	0.20131	-0.81797	0.413375	0.885985
9872	ENSG00000197622.13	1919.297	-0.13289	0.162497	-0.81781	0.413463	0.885985
9412	ENSG00000186017.14	181.7606	-0.22467	0.274726	-0.81781	0.413465	0.885985
1064	ENSG00000080561.13	161.9105	-0.25037	0.306202	-0.81767	0.413546	0.885991
5726	ENSG00000145029.14	368.5834	-0.19142	0.234227	-0.81723	0.413798	0.88623
613	ENSG00000064102.15	446.3063	0.170788	0.208991	0.817203	0.413813	0.88623
5506	ENSG00000143061.18	560.5206	-0.15827	0.193728	-0.81695	0.413959	0.886376
8256	ENSG00000172500.13	3140.556	0.126651	0.155077	0.816696	0.414102	0.886451
97	ENSG00000006451.8	1023.393	0.156687	0.191874	0.816614	0.414149	0.886451
9340	ENSG00000185352.8	1050.04	-0.14338	0.175605	-0.81647	0.414233	0.886463
8242	ENSG00000172367.16	340.9771	0.179434	0.219807	0.816324	0.414315	0.886472
5215	ENSG00000139624.14	973.3716	-0.13953	0.171014	-0.81591	0.414549	0.886806
1291	ENSG00000089022.14	1221.231	-0.14432	0.176911	-0.81576	0.414637	0.886829
4458	ENSG00000132849.21	1030.881	-0.14339	0.175838	-0.81547	0.414805	0.88702
4152	ENSG00000130054.5	493.3005	0.163468	0.20052	0.815222	0.414945	0.887154
1242	ENSG00000087274.17	5365.417	-0.12124	0.148777	-0.81491	0.415125	0.887372
6475	ENSG00000156650.14	913.5971	-0.14231	0.174722	-0.81452	0.415346	0.887612
4013	ENSG00000127990.19	1189.319	-0.15181	0.186398	-0.81444	0.415393	0.887612
4258	ENSG00000130830.15	2252.731	-0.12765	0.156767	-0.81428	0.415483	0.887637
8957	ENSG00000181038.14	633.7303	-0.1526	0.187488	-0.81393	0.415688	0.887908
6582	ENSG00000158156.9	695.9084	0.156393	0.192248	0.813496	0.415934	0.887936
9452	ENSG00000186575.19	1408.77	0.136311	0.167679	0.812931	0.416258	0.887936
1799	ENSG00000101464.11	1654.23	-0.14394	0.177168	-0.81245	0.416536	0.887936
4968	ENSG00000137275.14	765.5891	-0.15888	0.195573	-0.81238	0.416572	0.887936
11098	ENSG00000267080.6	417.1133	0.217718	0.268032	0.812284	0.416629	0.887936
11351	ENSG00000285043.1	900.2259	0.153897	0.18947	0.81225	0.416648	0.887936
893	ENSG00000073969.18	1705.803	-0.14894	0.183374	-0.8122	0.416678	0.887936
5871	ENSG00000147124.12	233.6986	0.234201	0.288399	0.812074	0.416749	0.887936
3917	ENSG00000126368.6	397.5495	0.180006	0.221673	0.812034	0.416772	0.887936
8228	ENSG00000172262.11	412.1422	0.188073	0.231639	0.811923	0.416836	0.887936
549	ENSG00000058453.17	1008.564	0.166339	0.204925	0.811706	0.41696	0.887936
4959	ENSG00000137210.14	790.1335	0.166769	0.205466	0.811662	0.416985	0.887936
6913	ENSG00000162409.11	351.7226	0.203184	0.250337	0.811644	0.416996	0.887936
10634	ENSG00000233369.7	5072.838	-0.14017	0.172701	-0.81164	0.416998	0.887936
24	ENSG00000003147.19	626.6757	-0.15683	0.193235	-0.81162	0.417011	0.887936
4390	ENSG00000132376.20	750.5653	-0.14971	0.184465	-0.8116	0.417022	0.887936
1680	ENSG00000100650.16	3440.506	-0.12011	0.147996	-0.81159	0.417027	0.887936
1458	ENSG00000096063.16	1407.774	-0.14063	0.173325	-0.81134	0.41717	0.888075
324	ENSG00000028528.15	1997.164	-0.13591	0.167554	-0.81112	0.4173	0.888156
4960	ENSG00000137216.19	2890.085	-0.12219	0.150679	-0.81093	0.417405	0.888156
8983	ENSG00000181523.13	732.5181	0.153594	0.189424	0.810847	0.417454	0.888156
2560	ENSG00000109436.8	885.7969	-0.14078	0.173652	-0.81073	0.41752	0.888156
5284	ENSG00000140406.4	1421.168	0.153586	0.18949	0.810523	0.41764	0.888156
1577	ENSG00000100225.18	3165.604	-0.12043	0.14859	-0.81046	0.417676	0.888156

5916	ENSG00000147679.12	304.2325	0.196829	0.242965	0.810114	0.417875	0.888249
1631	ENSG00000100413.17	2018.062	0.128861	0.159065	0.810112	0.417876	0.888249
2369	ENSG00000107223.13	3140.872	0.122804	0.151614	0.809974	0.417955	0.888252
6310	ENSG00000154114.12	440.9816	-0.16502	0.203851	-0.80951	0.418225	0.888434
4507	ENSG00000133316.15	641.2145	-0.15614	0.192914	-0.80938	0.418294	0.888434
7887	ENSG00000169189.17	430.4688	0.172943	0.213767	0.809027	0.418499	0.888434
10005	ENSG00000198586.14	1146.999	0.15575	0.192535	0.808946	0.418546	0.888434
5252	ENSG00000140093.10	231.2923	-0.22978	0.284096	-0.80879	0.418634	0.888434
4207	ENSG00000130560.9	867.6726	-0.14373	0.177722	-0.80875	0.418659	0.888434
5744	ENSG00000145337.5	1056.536	0.146701	0.181399	0.808716	0.418678	0.888434
1763	ENSG00000101236.17	726.3076	0.149392	0.184748	0.808624	0.418731	0.888434
5216	ENSG00000139625.13	730.1169	-0.14928	0.184662	-0.80837	0.418876	0.888434
6573	ENSG00000158019.21	634.7712	-0.16205	0.200491	-0.80826	0.418941	0.888434
5573	ENSG00000143499.14	453.8659	-0.16722	0.206902	-0.80822	0.418966	0.888434
7852	ENSG00000168916.15	836.4461	-0.14453	0.178828	-0.80819	0.418984	0.888434
4718	ENSG00000135441.7	1185.643	0.133549	0.16527	0.808062	0.419055	0.888434
2067	ENSG00000104419.17	320.6213	-0.21631	0.267772	-0.80782	0.419194	0.888563
9440	ENSG00000186432.9	1193.057	0.13642	0.168984	0.807295	0.419496	0.889039
501	ENSG00000054219.11	280.5572	-0.19994	0.247778	-0.80691	0.419716	0.889112
7558	ENSG00000166803.14	287.8007	0.192004	0.237961	0.806873	0.41974	0.889112
3042	ENSG00000115282.21	821.7316	-0.14686	0.182021	-0.80683	0.419765	0.889112
2735	ENSG00000111707.12	1086.635	-0.13732	0.170284	-0.80642	0.419998	0.889348
4137	ENSG00000129810.15	370.4088	0.180728	0.224203	0.806091	0.42019	0.889348
7870	ENSG00000169062.15	2268.413	0.128933	0.159984	0.805914	0.420293	0.889348
8147	ENSG00000171444.18	351.6611	-0.20692	0.256783	-0.80583	0.420339	0.889348
5683	ENSG00000144580.14	1863.007	-0.1358	0.168537	-0.80574	0.42039	0.889348
2278	ENSG00000106133.18	527.9769	0.193651	0.240415	0.805486	0.420539	0.889348
8669	ENSG00000177156.11	2705.879	0.125494	0.155832	0.805315	0.420638	0.889348
7091	ENSG00000163684.11	590.4989	-0.15201	0.188767	-0.8053	0.420646	0.889348
5246	ENSG00000139998.16	4228.282	-0.12235	0.151938	-0.80524	0.420679	0.889348
23	ENSG00000003056.8	2183.063	-0.13676	0.169866	-0.80509	0.420766	0.889348
6597	ENSG00000158402.20	257.5031	-0.19298	0.239705	-0.80509	0.42077	0.889348
6142	ENSG00000151461.20	436.7748	0.187563	0.232995	0.80501	0.420814	0.889348
8460	ENSG00000174748.22	12661.15	0.140131	0.174413	0.803446	0.421717	0.890395
4613	ENSG00000134463.15	474.2275	-0.18229	0.226916	-0.80336	0.421768	0.890395
9535	ENSG00000187951.11	188.7242	-0.26511	0.330003	-0.80336	0.421768	0.890395
3477	ENSG00000120509.10	828.2353	-0.14269	0.177697	-0.803	0.421975	0.890395
9202	ENSG00000183955.13	878.3864	-0.1416	0.176377	-0.80283	0.422071	0.890395
4922	ENSG00000136937.13	1266.15	-0.13775	0.171604	-0.80273	0.422132	0.890395
10096	ENSG00000198901.14	2289.427	-0.12249	0.152641	-0.80247	0.422283	0.890395
9130	ENSG00000183255.12	6349.01	-0.12146	0.151363	-0.80242	0.422309	0.890395
3428	ENSG00000119725.20	851.9992	-0.15622	0.194692	-0.8024	0.422322	0.890395
8491	ENSG00000175066.16	373.3341	-0.1944	0.242283	-0.80238	0.422331	0.890395
4996	ENSG00000137522.18	715.0848	-0.14702	0.183281	-0.80214	0.42247	0.890395
479	ENSG000000051180.17	239.1846	0.207	0.258089	0.802049	0.422525	0.890395
10212	ENSG00000204592.9	3964.287	-0.12995	0.162035	-0.80198	0.422564	0.890395
3368	ENSG00000119185.13	1347.056	0.130741	0.163076	0.801717	0.422717	0.890395
8037	ENSG00000170500.13	1511.159	-0.15755	0.196541	-0.80161	0.422777	0.890395
3889	ENSG00000126001.16	2465.052	-0.13879	0.173146	-0.80156	0.42281	0.890395
3588	ENSG00000122218.16	5056.855	-0.12197	0.152175	-0.80153	0.422823	0.890395
10387	ENSG00000213965.3	351.3203	-0.1745	0.217745	-0.8014	0.422898	0.890395
8145	ENSG00000171435.14	524.371	-0.16356	0.204212	-0.80092	0.423176	0.890395

10125	ENSG00000203667.10	505.8015	0.181817	0.227022	0.800879	0.423202	0.890395
3340	ENSG00000118620.13	195.8972	0.218129	0.272518	0.800418	0.423469	0.890395
3209	ENSG00000116852.14	392.7236	0.185794	0.232133	0.800379	0.423491	0.890395
1222	ENSG00000087008.16	454.2379	-0.16742	0.209203	-0.80029	0.42354	0.890395
5803	ENSG00000146067.16	1496.128	-0.13564	0.169568	-0.79989	0.423772	0.890395
9245	ENSG00000184432.10	2626.275	-0.13219	0.16526	-0.79988	0.423781	0.890395
2418	ENSG00000107864.15	211.3847	-0.20995	0.262518	-0.79975	0.423857	0.890395
8208	ENSG00000171992.13	241.3839	0.207491	0.259567	0.799373	0.424074	0.890395
10046	ENSG00000198763.3	136629.3	0.111873	0.139952	0.799365	0.424079	0.890395
2020	ENSG00000103932.12	2509.857	0.158506	0.198301	0.799321	0.424104	0.890395
6981	ENSG00000162959.13	441.6404	-0.16719	0.209171	-0.7993	0.424119	0.890395
6880	ENSG00000162068.2	516.6923	0.156365	0.19565	0.799206	0.424171	0.890395
6202	ENSG00000152253.9	336.5772	0.176132	0.220425	0.799057	0.424257	0.890395
7156	ENSG00000164011.18	273.2466	-0.1896	0.237322	-0.7989	0.424348	0.890395
6371	ENSG00000155016.18	1432.402	-0.13803	0.172798	-0.7988	0.424405	0.890395
8805	ENSG00000178921.14	1081.923	0.141837	0.177617	0.798558	0.424547	0.890395
4992	ENSG00000137500.9	501.1286	0.15938	0.199628	0.798388	0.424645	0.890395
125	ENSG00000007341.19	369.4527	-0.18418	0.230707	-0.79832	0.424682	0.890395
9059	ENSG00000182512.5	1518.171	0.131765	0.165106	0.798068	0.424831	0.890395
497	ENSG00000053900.11	300.8438	-0.1936	0.242593	-0.79804	0.424849	0.890395
2722	ENSG00000111653.20	608.3168	-0.15681	0.196493	-0.79803	0.424854	0.890395
10713	ENSG00000239900.13	1983.839	-0.13284	0.16652	-0.79773	0.425027	0.890395
9347	ENSG00000185420.19	197.2453	0.221256	0.277368	0.797701	0.425044	0.890395
10758	ENSG00000242110.8	2155.959	-0.12613	0.158119	-0.79768	0.425058	0.890395
4380	ENSG00000132305.20	2899.246	-0.12187	0.152803	-0.79758	0.425117	0.890395
10667	ENSG00000235823.3	2113.423	-0.14919	0.187052	-0.79757	0.425119	0.890395
9802	ENSG00000197062.11	167.0904	0.244736	0.306885	0.797487	0.425169	0.890395
2707	ENSG00000111490.15	244.2338	0.203432	0.255153	0.797295	0.42528	0.890395
1167	ENSG00000084774.14	5005.346	0.124696	0.156413	0.797225	0.42532	0.890395
5644	ENSG00000144063.4	684.9028	-0.15717	0.197152	-0.79719	0.425341	0.890395
6129	ENSG00000151287.17	313.8526	0.179017	0.22458	0.797119	0.425382	0.890395
4503	ENSG00000133275.16	2518.798	0.12179	0.152789	0.797113	0.425385	0.890395
3045	ENSG00000115290.10	327.8156	0.196225	0.246203	0.797005	0.425448	0.890395
9924	ENSG00000198015.13	1294.259	0.168976	0.212016	0.796996	0.425453	0.890395
4919	ENSG00000136933.17	198.5117	0.22647	0.284218	0.796818	0.425556	0.890447
301	ENSG00000023734.11	3642.485	0.118013	0.148177	0.796436	0.425778	0.890632
3143	ENSG00000116161.18	2603.755	0.120827	0.15174	0.796279	0.42587	0.890632
2079	ENSG00000104549.12	11115.55	-0.11286	0.141776	-0.79605	0.426003	0.890632
5071	ENSG00000138175.9	1202.466	-0.13622	0.171169	-0.79584	0.426123	0.890632
5958	ENSG00000148331.12	1520.521	0.139249	0.174974	0.795829	0.426131	0.890632
8060	ENSG00000170653.19	973.0981	-0.14706	0.184797	-0.7958	0.42615	0.890632
8161	ENSG00000171503.12	838.6506	-0.15097	0.189811	-0.79537	0.426398	0.890632
6301	ENSG00000153944.12	988.1908	-0.15345	0.192952	-0.79528	0.42645	0.890632
10478	ENSG00000220205.9	3542.723	0.141441	0.177858	0.795243	0.426472	0.890632
4612	ENSG00000134453.16	1086.876	-0.134	0.168505	-0.79524	0.426473	0.890632
8	ENSG00000001461.17	627.9334	-0.16028	0.201559	-0.79519	0.426505	0.890632
2881	ENSG00000113319.13	172.5348	-0.2251	0.283128	-0.79504	0.426592	0.890651
3432	ENSG00000119772.17	2675.853	-0.12105	0.152357	-0.79453	0.426884	0.890949
2327	ENSG00000106615.10	2278.096	0.121961	0.153503	0.794521	0.426892	0.890949
4081	ENSG00000128951.14	2032.107	0.131876	0.166018	0.794349	0.426992	0.890963
6559	ENSG00000157851.17	4667.986	0.122777	0.154584	0.794241	0.427055	0.890963
9251	ENSG00000184481.17	177.5356	-0.22193	0.27955	-0.79388	0.427264	0.891236

3346	ENSG00000118707.11	520.8096	-0.16264	0.204916	-0.79367	0.42739	0.891245
7932	ENSG00000169629.12	451.3363	-0.17209	0.216851	-0.79357	0.427445	0.891245
100	ENSG00000006468.14	505.5282	-0.16395	0.206621	-0.79347	0.427503	0.891245
8043	ENSG00000170558.10	914.0804	-0.16291	0.205499	-0.79278	0.427908	0.891704
6894	ENSG00000162231.14	3239.166	0.136359	0.172004	0.792769	0.427913	0.891704
1779	ENSG00000101361.17	5848.536	-0.11561	0.145845	-0.79269	0.427959	0.891704
11292	ENSG00000278970.2	875.4736	-0.14027	0.177	-0.7925	0.428067	0.891747
8429	ENSG00000174437.17	13832.58	-0.12136	0.153192	-0.79222	0.428234	0.891747
9907	ENSG00000197930.13	1703.438	-0.13611	0.171823	-0.79218	0.428256	0.891747
3259	ENSG00000117419.16	2407.471	0.120868	0.152597	0.792076	0.428316	0.891747
3285	ENSG00000117616.18	701.1096	-0.14724	0.185969	-0.79177	0.428497	0.891747
4594	ENSG00000134294.14	2651.783	0.175498	0.221667	0.79172	0.428524	0.891747
7045	ENSG00000163468.15	8122.276	-0.13098	0.165445	-0.79171	0.428527	0.891747
841	ENSG00000072062.14	6280.854	0.124013	0.156675	0.79153	0.428635	0.891789
6450	ENSG00000156298.13	6612.215	0.114371	0.144544	0.791258	0.428793	0.891789
1954	ENSG00000103154.9	785.6622	0.168787	0.213357	0.791098	0.428887	0.891789
7580	ENSG00000166924.9	162.2406	0.286051	0.361591	0.791092	0.42889	0.891789
3304	ENSG00000117868.17	1921.716	-0.13283	0.167951	-0.7909	0.429004	0.891789
720	ENSG00000067533.6	342.8105	0.226593	0.286524	0.790834	0.429041	0.891789
2528	ENSG00000108961.14	626.3237	0.152081	0.192328	0.79074	0.429096	0.891789
7105	ENSG00000163781.14	2244.188	-0.13213	0.167162	-0.79043	0.429274	0.891863
10349	ENSG00000213463.5	1157.555	-0.17273	0.218538	-0.79041	0.429288	0.891863
4413	ENSG00000132535.21	1097.994	-0.15001	0.189962	-0.7897	0.429703	0.891909
10008	ENSG00000198604.11	527.1318	0.161652	0.204739	0.789553	0.429789	0.891909
4457	ENSG00000132846.6	1791.658	0.146834	0.185988	0.789482	0.429831	0.891909
5310	ENSG00000140612.14	2594.59	0.127558	0.161596	0.789365	0.429899	0.891909
7470	ENSG00000166181.13	2385.076	0.146606	0.185729	0.789354	0.429905	0.891909
3662	ENSG00000123349.14	2036.265	0.128703	0.163053	0.789334	0.429917	0.891909
8652	ENSG00000177030.17	2761.122	0.124348	0.157559	0.789215	0.429986	0.891909
2156	ENSG00000105221.18	4066.53	0.145848	0.184802	0.789212	0.429988	0.891909
4787	ENSG00000135932.11	947.2467	0.14119	0.178922	0.789113	0.430046	0.891909
6314	ENSG00000154144.13	868.1258	-0.14142	0.179254	-0.78894	0.430149	0.891909
5054	ENSG00000138069.18	3080.439	0.118285	0.149937	0.788898	0.430172	0.891909
9770	ENSG00000196867.8	364.7255	-0.18379	0.23311	-0.78842	0.430451	0.892032
9488	ENSG00000187147.18	1876.95	-0.12275	0.155712	-0.78833	0.430503	0.892032
1426	ENSG00000093217.11	211.8567	0.208397	0.264371	0.788275	0.430536	0.892032
1209	ENSG00000086289.12	361.7573	-0.17212	0.21836	-0.78825	0.430548	0.892032
10947	ENSG00000256537.5	942.1446	0.14406	0.182808	0.788043	0.430672	0.892032
2687	ENSG00000111252.11	782.7734	-0.14657	0.186026	-0.78791	0.430747	0.892032
3416	ENSG00000119681.12	322.1548	0.190489	0.241818	0.787739	0.43085	0.892032
1150	ENSG00000084090.13	2777.726	-0.12727	0.161561	-0.78772	0.430858	0.892032
1340	ENSG00000090432.7	1665.314	-0.12572	0.159633	-0.78755	0.43096	0.892081
8894	ENSG00000180035.13	964.6748	0.138152	0.175457	0.787383	0.431058	0.892121
9524	ENSG00000187741.15	2700.59	-0.12703	0.161359	-0.78723	0.431148	0.892146
6935	ENSG00000162623.16	207.8677	0.224836	0.285689	0.786994	0.431286	0.892242
199	ENSG00000011275.19	1018.22	0.138305	0.17578	0.786805	0.431396	0.892242
8675	ENSG00000177200.17	884.9741	0.147666	0.187691	0.786748	0.431429	0.892242
5346	ENSG00000141027.21	3966.548	-0.12209	0.155254	-0.78641	0.43163	0.892495
10714	ENSG00000239911.2	173.9304	0.239358	0.304556	0.785924	0.431912	0.892878
5779	ENSG00000145782.13	645.6929	-0.15776	0.200755	-0.78582	0.431972	0.892878
6959	ENSG00000162783.11	490.6289	0.165184	0.210256	0.785631	0.432084	0.892947
10999	ENSG00000259891.1	281.1377	-0.23323	0.296981	-0.78533	0.432263	0.893037

7003	ENSG00000163110.15	896.3794	-0.14807	0.188554	-0.78529	0.432284	0.893037
2080	ENSG00000104613.12	1021.729	-0.13795	0.175797	-0.78473	0.43261	0.893437
9056	ENSG00000182481.9	3941.369	0.116992	0.149124	0.784528	0.43273	0.893437
10938	ENSG00000255874.2	272.2016	-0.19977	0.254644	-0.7845	0.432746	0.893437
1940	ENSG00000103056.12	440.5286	0.164366	0.209537	0.784424	0.432792	0.893437
1907	ENSG00000102870.6	1377.905	0.135493	0.172793	0.784135	0.432961	0.893534
401	ENSG00000041515.16	236.0825	-0.21287	0.271575	-0.78384	0.433136	0.893534
9567	ENSG00000188343.13	516.4978	-0.15879	0.202621	-0.78367	0.433233	0.893534
10342	ENSG00000213380.15	1384.112	-0.12902	0.164654	-0.78359	0.433282	0.893534
3461	ENSG00000120071.14	1242.082	-0.12892	0.164553	-0.78348	0.433347	0.893534
8625	ENSG00000176623.12	340.1577	-0.19514	0.249115	-0.78331	0.433442	0.893534
8511	ENSG00000175216.15	3368.076	-0.12146	0.155063	-0.78328	0.43346	0.893534
3511	ENSG00000120837.8	469.8479	-0.17643	0.225244	-0.78327	0.433466	0.893534
6786	ENSG00000160716.6	5309.119	0.12311	0.157289	0.782702	0.433802	0.894021
9071	ENSG00000182636.8	9617.624	0.122559	0.156627	0.782488	0.433928	0.894021
6060	ENSG00000149658.18	3148.291	-0.11964	0.152895	-0.78247	0.433938	0.894021
2425	ENSG00000107929.15	931.8713	-0.14163	0.18119	-0.78164	0.434427	0.894721
1774	ENSG00000101337.16	5199.809	-0.11719	0.149938	-0.78161	0.434441	0.894721
2900	ENSG00000113575.10	3585.5	0.136353	0.174478	0.781491	0.434514	0.894721
7994	ENSG00000170089.15	627.4371	-0.14672	0.187794	-0.78126	0.434651	0.894842
7459	ENSG00000166136.16	3058.596	0.117443	0.150389	0.780927	0.434845	0.89508
191	ENSG00000011105.14	951.0695	-0.14722	0.188585	-0.78067	0.434999	0.895084
6047	ENSG00000149532.16	5356.265	-0.12659	0.162165	-0.78066	0.435005	0.895084
10124	ENSG00000203666.12	228.9814	0.197348	0.252851	0.780491	0.435102	0.895123
7310	ENSG00000164975.15	754.7885	-0.14134	0.181215	-0.77996	0.435413	0.89526
2471	ENSG00000108443.14	529.8707	-0.15425	0.197786	-0.7799	0.435449	0.89526
6845	ENSG00000161542.17	929.3864	0.157258	0.201682	0.779733	0.435548	0.89526
7121	ENSG00000163867.17	275.6296	-0.20912	0.268197	-0.77972	0.435557	0.89526
475	ENSG00000050748.17	983.7001	-0.15133	0.19408	-0.77971	0.435561	0.89526
7204	ENSG00000164180.14	385.1633	-0.18574	0.238298	-0.77945	0.435717	0.895418
4001	ENSG00000127863.15	576.9347	-0.15101	0.193833	-0.77905	0.435949	0.895572
50	ENSG00000004975.12	3124.156	-0.11989	0.153889	-0.77905	0.43595	0.895572
3364	ENSG00000119041.11	839.5525	-0.14948	0.191973	-0.77866	0.436181	0.895815
5376	ENSG00000141433.13	207.5754	-0.22403	0.287743	-0.77858	0.436225	0.895815
6014	ENSG00000149182.15	3156.29	0.132807	0.170613	0.778409	0.436328	0.895864
5745	ENSG00000145348.17	407.668	-0.17204	0.221146	-0.77795	0.436598	0.895867
5042	ENSG00000137992.14	541.6354	-0.17027	0.218889	-0.77791	0.436624	0.895867
4360	ENSG00000132003.9	626.2652	0.166187	0.213664	0.777795	0.43669	0.895867
10508	ENSG00000223572.10	1164.691	0.129738	0.166808	0.777765	0.436708	0.895867
3901	ENSG00000126215.14	1375.102	0.128853	0.165696	0.777646	0.436778	0.895867
5941	ENSG00000148123.15	638.1923	-0.14933	0.192051	-0.77756	0.436827	0.895867
6505	ENSG00000157036.13	356.3134	-0.17176	0.220921	-0.77747	0.43688	0.895867
11287	ENSG00000278619.5	542.5	0.183046	0.235528	0.777173	0.437056	0.896068
5796	ENSG00000145990.11	309.0266	-0.17704	0.227955	-0.77664	0.437372	0.896516
4591	ENSG00000134285.11	404.814	-0.19656	0.253145	-0.77648	0.437468	0.896516
5391	ENSG00000141540.11	177.8215	0.220151	0.283565	0.776369	0.437531	0.896516
1746	ENSG00000101161.8	4561.204	-0.1279	0.16481	-0.77603	0.43773	0.896516
7331	ENSG00000165169.11	1863.093	0.146688	0.189074	0.775823	0.437854	0.896516
4313	ENSG00000131462.8	2971.461	-0.11882	0.153162	-0.7758	0.437866	0.896516
5229	ENSG00000139719.11	950.1102	-0.13945	0.179753	-0.7758	0.43787	0.896516
1145	ENSG00000083896.13	1696.062	-0.12456	0.160575	-0.77574	0.437905	0.896516
4849	ENSG00000136448.12	4282.059	-0.11822	0.152517	-0.7751	0.438279	0.896946

9332	ENSG00000185278.15	225.0405	-0.19899	0.256725	-0.77509	0.438285	0.896946
2512	ENSG00000108821.14	354.8053	0.210515	0.27167	0.77489	0.438405	0.896946
403	ENSG000000041880.14	186.4436	-0.2134	0.275409	-0.77485	0.43843	0.896946
9430	ENSG00000186205.13	349.2694	0.173834	0.224413	0.774618	0.438566	0.897063
11022	ENSG00000260772.1	265.6892	0.215171	0.278007	0.773979	0.438943	0.897205
2669	ENSG00000110931.19	661.0673	-0.14606	0.188728	-0.77392	0.438977	0.897205
533	ENSG00000057019.16	431.5404	-0.20655	0.266889	-0.77391	0.438986	0.897205
421	ENSG00000046647.13	334.8403	-0.1707	0.220673	-0.77356	0.439189	0.897205
1173	ENSG00000085274.15	287.302	0.197589	0.255477	0.773411	0.439279	0.897205
1367	ENSG00000091127.14	450.5557	0.158454	0.204917	0.77326	0.439369	0.897205
1753	ENSG00000101190.13	502.2963	-0.1541	0.199295	-0.77325	0.439375	0.897205
10663	ENSG00000235501.6	231.567	-0.19421	0.251246	-0.773	0.439522	0.897205
6512	ENSG00000157181.16	509.5555	0.163084	0.211004	0.772896	0.439584	0.897205
2786	ENSG00000112175.8	617.1399	0.177096	0.229143	0.772866	0.439602	0.897205
4334	ENSG00000131724.11	452.8374	-0.15912	0.20594	-0.77265	0.439731	0.897205
4172	ENSG00000130283.9	499.5349	0.844633	1.093335	0.772529	0.439801	0.897205
3853	ENSG00000125821.13	743.3549	0.141392	0.183081	0.772289	0.439943	0.897205
5202	ENSG00000139438.6	10564.78	0.120716	0.156332	0.772178	0.440009	0.897205
627	ENSG00000064652.11	440.2563	-0.15696	0.203271	-0.77217	0.440015	0.897205
10499	ENSG00000221995.5	413.9393	-0.2032	0.263173	-0.77213	0.440038	0.897205
6760	ENSG00000160392.13	812.5136	0.141723	0.183551	0.77212	0.440043	0.897205
5749	ENSG00000145365.11	220.4745	-0.22065	0.285778	-0.7721	0.440054	0.897205
5950	ENSG00000148248.14	16681.45	-0.13098	0.169739	-0.77165	0.440322	0.897453
8927	ENSG00000180667.10	332.2281	0.195077	0.252822	0.771601	0.440351	0.897453
4241	ENSG00000130764.10	2129.703	-0.12033	0.155994	-0.77138	0.440481	0.897453
4925	ENSG00000136942.15	4622.096	0.128769	0.166936	0.771365	0.44049	0.897453
9624	ENSG00000189091.13	6851.529	-0.11907	0.154428	-0.77101	0.440702	0.897527
5153	ENSG00000138794.10	303.8716	-0.19486	0.25277	-0.77092	0.440756	0.897527
11104	ENSG00000267374.2	226.185	0.19676	0.255302	0.770694	0.440888	0.897527
7304	ENSG00000164941.14	820.0323	-0.13561	0.176	-0.77048	0.441014	0.897527
3803	ENSG00000125447.18	1623.139	-0.12416	0.161178	-0.7703	0.44112	0.897527
1069	ENSG00000080819.9	605.2565	-0.15352	0.199336	-0.77014	0.441214	0.897527
9336	ENSG00000185339.9	1763.755	0.122576	0.159188	0.770008	0.441295	0.897527
306	ENSG00000024862.17	240.8967	-0.18901	0.24549	-0.76994	0.441334	0.897527
2746	ENSG00000111786.9	3242.39	0.116422	0.151234	0.769813	0.441411	0.897527
7262	ENSG00000164615.5	730.3607	0.149473	0.194181	0.769758	0.441443	0.897527
46	ENSG00000004864.14	2955.591	-0.12273	0.159442	-0.76974	0.441452	0.897527
6152	ENSG00000151552.12	2627.466	0.11894	0.154546	0.769609	0.441532	0.897527
3170	ENSG00000116489.13	1971.075	-0.12311	0.159977	-0.76958	0.441551	0.897527
9795	ENSG00000197024.9	790.2484	0.148079	0.192522	0.769154	0.441802	0.897876
792	ENSG00000070366.14	1328.156	-0.14469	0.188155	-0.76899	0.441898	0.897911
4199	ENSG00000130518.17	195.2075	0.233755	0.304109	0.768655	0.442098	0.898157
1101	ENSG00000082175.15	228.2682	-0.21042	0.273958	-0.76806	0.442449	0.898465
5272	ENSG00000140350.15	2495.98	-0.11784	0.153435	-0.76799	0.442493	0.898465
4093	ENSG00000129116.19	3092.2	0.128441	0.167265	0.76789	0.442552	0.898465
1754	ENSG00000101191.17	3565.317	-0.11923	0.155268	-0.76787	0.442565	0.898465
11302	ENSG00000279516.2	232.794	-0.19407	0.252851	-0.76751	0.442776	0.898704
1936	ENSG00000103042.9	1689.136	-0.13043	0.169973	-0.76737	0.442859	0.898704
9673	ENSG00000196275.14	220.2181	0.238582	0.311023	0.767087	0.44303	0.898704
8018	ENSG00000170315.14	17291.49	0.109588	0.142866	0.767067	0.443042	0.898704
8604	ENSG00000176396.11	686.4198	0.146385	0.190853	0.767007	0.443078	0.898704
1998	ENSG00000103496.15	482.5888	-0.1696	0.221192	-0.76674	0.443238	0.89871

2690	ENSG00000111269.3	705.5148	-0.14921	0.194604	-0.76672	0.443248	0.89871
4483	ENSG00000133106.14	195.6262	-0.20704	0.270101	-0.76654	0.443358	0.89871
2051	ENSG00000104324.16	331.8304	-0.19184	0.25033	-0.76634	0.443475	0.89871
4495	ENSG00000133193.12	824.1619	-0.15223	0.198649	-0.76634	0.443475	0.89871
9061	ENSG00000182534.13	4769.158	-0.12263	0.16007	-0.76608	0.44363	0.898863
2153	ENSG00000105202.9	3415.503	0.116925	0.152702	0.765708	0.44385	0.899066
8587	ENSG00000176148.16	202.5569	-0.20172	0.263464	-0.76564	0.443888	0.899066
10	ENSG00000001561.7	502.2639	0.184957	0.241615	0.765506	0.44397	0.899073
307	ENSG00000025039.15	1224.91	-0.17519	0.228993	-0.76505	0.444241	0.899462
4604	ENSG00000134352.20	542.8644	0.471147	0.616321	0.764451	0.444599	0.900026
6347	ENSG00000154710.18	447.351	-0.15984	0.209144	-0.76425	0.44472	0.900108
9039	ENSG00000182224.12	355.3247	-0.17342	0.22704	-0.76381	0.444982	0.900108
10417	ENSG00000214435.8	167.6416	-0.21578	0.282594	-0.76357	0.445125	0.900108
912	ENSG00000074842.8	3449.916	0.130682	0.171159	0.763513	0.445158	0.900108
4312	ENSG00000131446.17	3203.904	0.132119	0.173045	0.763498	0.445167	0.900108
3127	ENSG00000116039.13	409.4869	-0.16183	0.212044	-0.76319	0.44535	0.900108
8892	ENSG00000180008.9	686.8907	0.185736	0.243376	0.763164	0.445366	0.900108
2884	ENSG00000113368.12	3709.209	0.113515	0.148774	0.763	0.445464	0.900108
7550	ENSG00000166747.13	2348.943	-0.13499	0.177031	-0.76255	0.445732	0.900108
4653	ENSG00000134884.15	2816.075	-0.11575	0.151827	-0.7624	0.445823	0.900108
7178	ENSG00000164080.13	1045.701	-0.13155	0.172598	-0.76216	0.445962	0.900108
326	ENSG00000029153.14	307.0064	0.180257	0.236547	0.762031	0.446041	0.900108
5149	ENSG00000138777.20	363.3772	0.17522	0.23004	0.761693	0.446243	0.900108
5274	ENSG00000140367.12	757.6053	0.146806	0.192741	0.761673	0.446255	0.900108
385	ENSG00000038532.16	1534.581	-0.13335	0.17509	-0.76163	0.446283	0.900108
436	ENSG00000047849.21	4291.612	-0.12466	0.163675	-0.76163	0.446283	0.900108
6895	ENSG00000162236.12	1140.038	-0.13441	0.176506	-0.76148	0.446368	0.900108
10206	ENSG00000204568.12	1025.985	-0.13461	0.176801	-0.76138	0.446429	0.900108
3015	ENSG00000115042.10	372.1077	0.164277	0.215765	0.76137	0.446436	0.900108
5776	ENSG00000145741.15	6616.995	0.112348	0.147581	0.761263	0.4465	0.900108
8995	ENSG00000181788.4	726.6974	-0.13757	0.180729	-0.76117	0.446553	0.900108
6965	ENSG00000162852.14	306.6868	-0.1904	0.250178	-0.76105	0.446626	0.900108
9253	ENSG00000184508.12	388.2817	0.175635	0.2308	0.760982	0.446668	0.900108
5141	ENSG00000138757.14	1651.969	0.185028	0.24315	0.760962	0.44668	0.900108
588	ENSG00000062282.15	547.6388	0.149292	0.196201	0.760913	0.446709	0.900108
726	ENSG00000067715.14	275.9287	-0.18971	0.249363	-0.76076	0.446798	0.900108
7441	ENSG00000165995.21	221.6109	-0.19448	0.255797	-0.76028	0.447089	0.900108
7579	ENSG00000166923.12	1071.308	0.1298	0.170748	0.760189	0.447142	0.900108
9587	ENSG00000188613.7	443.1637	-0.1602	0.210856	-0.75975	0.447406	0.900108
6107	ENSG00000150990.8	1080.64	0.136195	0.179315	0.75953	0.447536	0.900108
3406	ENSG00000119616.11	569.9455	-0.14868	0.195824	-0.75924	0.44771	0.900108
3577	ENSG00000121989.15	185.1581	0.217433	0.286445	0.759075	0.447807	0.900108
5529	ENSG00000143224.18	958.92	0.156874	0.206715	0.758887	0.44792	0.900108
707	ENSG00000067113.17	182.0221	-0.20849	0.274845	-0.75857	0.448107	0.900108
7479	ENSG00000166226.13	2862.649	-0.11567	0.152531	-0.75836	0.448233	0.900108
4161	ENSG00000130177.16	1289.456	-0.12502	0.164876	-0.75828	0.448284	0.900108
6619	ENSG00000158710.15	24259.22	0.121315	0.160059	0.757939	0.448488	0.900108
6537	ENSG00000157538.14	1204.689	-0.13105	0.172961	-0.7577	0.448631	0.900108
2832	ENSG00000112659.14	1179.991	0.160214	0.211568	0.757267	0.44889	0.900108
9789	ENSG00000196981.4	180.689	-0.21103	0.278795	-0.75692	0.449096	0.900108
1705	ENSG00000100888.15	2681.581	0.126227	0.166768	0.756906	0.449106	0.900108
4588	ENSG00000134265.13	526.3034	-0.16474	0.217784	-0.75644	0.449384	0.900108

1684	ENSG00000100714.17	2608.43	-0.12115	0.160179	-0.75631	0.449462	0.900108
6805	ENSG00000160908.15	442.6606	-0.15465	0.204534	-0.7561	0.449592	0.900108
8812	ENSG00000178966.17	377.0986	0.174027	0.230212	0.755941	0.449684	0.900108
3103	ENSG00000115828.17	1889.999	0.142033	0.187901	0.755892	0.449714	0.900108
9746	ENSG00000196678.14	433.1213	-0.17847	0.236116	-0.75586	0.449731	0.900108
6155	ENSG00000151611.16	157.4321	-0.24318	0.32179	-0.7557	0.449828	0.900108
431	ENSG00000047579.20	607.5418	0.153444	0.203064	0.755642	0.449864	0.900108
2766	ENSG00000111981.5	561.5729	-0.17534	0.232116	-0.75541	0.450002	0.900108
4304	ENSG00000131375.10	1185.985	0.142865	0.189126	0.755393	0.450013	0.900108
9843	ENSG00000197362.15	229.2719	-0.18818	0.249124	-0.75538	0.450023	0.900108
6335	ENSG00000154429.11	274.474	0.191721	0.253922	0.755039	0.450225	0.900108
7836	ENSG00000168806.8	573.0539	-0.15011	0.198833	-0.75497	0.450268	0.900108
6358	ENSG00000154814.14	210.6853	-0.19527	0.258693	-0.75481	0.450361	0.900108
3590	ENSG00000122299.12	1575.34	-0.12978	0.171998	-0.75456	0.450513	0.900108
10191	ENSG00000204406.14	417.9153	0.159213	0.211049	0.754392	0.450614	0.900108
5977	ENSG00000148498.16	1490.952	0.123051	0.163122	0.75435	0.450639	0.900108
11362	ENSG00000285725.1	178.3775	0.220542	0.292375	0.754311	0.450663	0.900108
7828	ENSG00000168778.12	424.7175	-0.15531	0.20592	-0.75424	0.450707	0.900108
9388	ENSG00000185798.8	173.5812	0.211436	0.280495	0.753795	0.450972	0.900108
582	ENSG00000061794.13	1365.801	0.140316	0.186163	0.753726	0.451014	0.900108
4636	ENSG00000134758.14	638.1458	0.164287	0.217993	0.753635	0.451068	0.900108
4833	ENSG00000136271.10	2508.783	-0.11741	0.155808	-0.75358	0.4511	0.900108
2736	ENSG00000111711.10	605.5669	0.177895	0.236076	0.753548	0.45112	0.900108
10903	ENSG00000253958.2	226.8055	0.194777	0.258494	0.753505	0.451146	0.900108
1645	ENSG00000100462.16	1307.263	-0.13485	0.178973	-0.75345	0.451182	0.900108
6615	ENSG00000158623.14	946.3078	-0.13434	0.178325	-0.75334	0.451248	0.900108
4273	ENSG00000131019.11	228.7785	0.190866	0.253412	0.753184	0.451339	0.900108
8924	ENSG00000180616.9	3825.892	-0.11859	0.157471	-0.75306	0.451413	0.900108
9230	ENSG00000184226.15	232.3926	-0.18717	0.248556	-0.75303	0.451429	0.900108
7521	ENSG00000166479.10	535.0985	-0.18188	0.241941	-0.75175	0.452204	0.900108
2461	ENSG00000108370.17	352.0708	-0.17035	0.226646	-0.75161	0.452287	0.900108
2056	ENSG00000104343.21	430.1389	0.466188	0.620335	0.75151	0.452346	0.900108
8761	ENSG00000178177.16	1185.656	0.151784	0.201973	0.751508	0.452347	0.900108
4878	ENSG00000136718.10	1124.481	-0.1385	0.184321	-0.75143	0.452395	0.900108
9133	ENSG00000183291.17	1731.549	0.163391	0.217485	0.751273	0.452489	0.900108
8560	ENSG00000175826.12	4716.649	0.122329	0.162843	0.75121	0.452526	0.900108
7424	ENSG00000165821.12	1543.834	0.131103	0.174575	0.750984	0.452662	0.900108
9575	ENSG00000188522.15	1162.704	0.132979	0.177142	0.750688	0.452841	0.900108
4536	ENSG00000133773.12	426.5894	0.15883	0.211635	0.75049	0.45296	0.900108
7100	ENSG00000163728.11	515.8268	-0.1482	0.197504	-0.75037	0.453029	0.900108
942	ENSG00000075702.18	1869.852	0.144812	0.193021	0.750243	0.453108	0.900108
6097	ENSG00000150760.13	826.1081	-0.14638	0.19512	-0.7502	0.453135	0.900108
3769	ENSG00000124767.7	2142.871	-0.12828	0.171053	-0.74996	0.453278	0.900108
11300	ENSG00000279369.1	207.0791	0.194742	0.259693	0.749895	0.453318	0.900108
6962	ENSG00000162819.12	434.0936	0.165809	0.221125	0.749842	0.45335	0.900108
534	ENSG00000057252.13	2131.66	-0.12963	0.172974	-0.74941	0.453608	0.900108
5036	ENSG00000137941.17	571.7109	0.150445	0.200762	0.749372	0.453633	0.900108
10150	ENSG00000204149.12	466.7624	-0.16349	0.218253	-0.7491	0.453795	0.900108
1890	ENSG00000102575.13	518.489	0.150908	0.201475	0.749018	0.453846	0.900108
6535	ENSG00000157500.12	1336.667	0.145471	0.194218	0.749009	0.453852	0.900108
5356	ENSG00000141179.14	417.0296	-0.1555	0.207616	-0.74896	0.453882	0.900108
7531	ENSG00000166532.16	211.7029	0.194285	0.259432	0.748886	0.453926	0.900108

8542	ENSG00000175575.13	435.9425	-0.1558	0.208112	-0.74865	0.454068	0.900108
11316	ENSG00000280893.1	728.4675	0.141193	0.18866	0.748399	0.45422	0.900108
8898	ENSG00000180098.9	372.1099	-0.16493	0.220406	-0.74829	0.454287	0.900108
1414	ENSG00000092853.14	979.7334	0.141205	0.188715	0.748242	0.454314	0.900108
6058	ENSG00000149654.11	6580	0.132504	0.177113	0.748132	0.454381	0.900108
7737	ENSG00000168014.16	923.0213	-0.15103	0.201909	-0.74802	0.454446	0.900108
6560	ENSG00000157869.15	429.5803	-0.15802	0.211282	-0.74792	0.454509	0.900108
8470	ENSG00000174842.17	219.313	0.192422	0.257298	0.747856	0.454547	0.900108
4345	ENSG00000131797.12	528.1033	-0.15058	0.20136	-0.74783	0.454563	0.900108
4225	ENSG00000130713.16	750.187	-0.13561	0.18134	-0.74781	0.454574	0.900108
7390	ENSG00000165632.8	427.4502	0.168169	0.224899	0.747754	0.454609	0.900108
3670	ENSG00000123415.15	1154.609	0.125872	0.168342	0.747715	0.454632	0.900108
3118	ENSG00000115970.18	527.3397	-0.16534	0.221175	-0.74757	0.454721	0.900108
7435	ENSG00000165916.8	2386.659	-0.12665	0.16942	-0.74753	0.454742	0.900108
10073	ENSG00000198843.13	1418.858	0.173058	0.231528	0.747461	0.454785	0.900108
1962	ENSG00000103199.14	756.2664	0.146102	0.195492	0.747354	0.45485	0.900108
3467	ENSG00000120254.15	616.5607	0.14333	0.191793	0.747316	0.454873	0.900108
2534	ENSG00000109065.12	824.1164	-0.14031	0.187765	-0.74728	0.454897	0.900108
548	ENSG00000058404.20	1137.607	0.134574	0.180156	0.746984	0.455073	0.900108
6890	ENSG00000162191.14	2369.116	0.12107	0.162103	0.746869	0.455143	0.900108
865	ENSG00000072778.20	3403.373	-0.12374	0.165674	-0.74687	0.455143	0.900108
3167	ENSG00000116459.11	2415.366	0.115784	0.155033	0.746833	0.455165	0.900108
10687	ENSG00000237298.10	164.8698	-0.23138	0.309832	-0.7468	0.455186	0.900108
5848	ENSG00000146802.13	384.1956	0.190226	0.254806	0.746553	0.455334	0.900108
6353	ENSG00000154760.14	2146.516	-0.12225	0.163787	-0.74642	0.455412	0.900108
1417	ENSG00000092964.18	9515.991	-0.11297	0.151352	-0.74641	0.455417	0.900108
4003	ENSG00000127884.5	1307.346	0.123877	0.165965	0.746407	0.455422	0.900108
8250	ENSG00000172461.11	173.2048	0.227764	0.305234	0.746193	0.455551	0.900108
9557	ENSG00000188234.13	267.7022	-0.22658	0.303698	-0.74607	0.455628	0.900108
3313	ENSG00000118096.9	369.0832	0.186573	0.250083	0.746047	0.455639	0.900108
7403	ENSG00000165684.4	1268.247	0.13067	0.175153	0.746033	0.455648	0.900108
5590	ENSG00000143622.11	557.0716	-0.17056	0.228638	-0.74599	0.455674	0.900108
1403	ENSG00000092330.18	1375.591	-0.1282	0.171867	-0.74593	0.455708	0.900108
5443	ENSG00000142166.13	1304.355	-0.12717	0.1705	-0.74589	0.455732	0.900108
4857	ENSG00000136504.13	1893.545	-0.12274	0.164553	-0.74588	0.455743	0.900108
10920	ENSG00000254901.8	668.19	0.141813	0.190181	0.745676	0.455863	0.900108
1034	ENSG00000079246.16	7333.832	-0.11603	0.155626	-0.74555	0.455937	0.900108
5063	ENSG00000138095.19	3095.682	0.119727	0.160601	0.745494	0.455973	0.900108
9716	ENSG00000196504.19	2010.148	0.147595	0.197992	0.745457	0.455995	0.900108
2346	ENSG00000106785.15	571.7987	-0.14328	0.192239	-0.74535	0.456063	0.900108
4872	ENSG00000136698.10	2216.982	0.115969	0.155673	0.744956	0.456299	0.900108
4184	ENSG00000130347.13	187.267	-0.20433	0.274344	-0.74478	0.456404	0.900108
4019	ENSG00000128039.11	169.0204	0.212068	0.284887	0.744392	0.456639	0.900108
828	ENSG00000071462.12	1790.628	0.116835	0.156958	0.744371	0.456652	0.900108
3418	ENSG00000119684.16	310.5233	-0.1924	0.258534	-0.7442	0.456758	0.900108
135	ENSG00000007923.16	2663.989	-0.12654	0.170051	-0.74414	0.45679	0.900108
11286	ENSG00000278615.5	740.7073	0.135015	0.181453	0.744078	0.456829	0.900108
10719	ENSG00000240230.6	274.6467	-0.1768	0.237632	-0.74399	0.456882	0.900108
2944	ENSG00000114125.14	721.8029	0.138329	0.185969	0.743831	0.456979	0.900108
10566	ENSG00000227232.5	712.5459	-0.14026	0.188579	-0.7438	0.456999	0.900108
9915	ENSG00000197969.14	2496.522	-0.11817	0.158897	-0.74372	0.457048	0.900108
4774	ENSG00000135845.10	636.2251	0.144259	0.194003	0.743593	0.457123	0.900108

2821	ENSG00000112561.18	258.9888	0.186304	0.250552	0.743571	0.457136	0.900108
4100	ENSG00000129197.14	1102.518	-0.12578	0.169157	-0.74357	0.457137	0.900108
2396	ENSG00000107651.13	528.8963	-0.16099	0.216543	-0.74347	0.457198	0.900108
4066	ENSG00000128739.23	3245.793	0.113088	0.152147	0.743282	0.457311	0.900108
3119	ENSG00000115977.19	1210.475	0.137078	0.184425	0.743272	0.457317	0.900108
4191	ENSG00000130414.12	1891.479	-0.12455	0.167574	-0.74327	0.457321	0.900108
6836	ENSG00000161267.12	701.0721	-0.13673	0.183971	-0.7432	0.457359	0.900108
7475	ENSG00000166200.15	1114.478	0.160096	0.21544	0.743111	0.457414	0.900108
5076	ENSG00000138193.16	257.0985	0.183569	0.24703	0.743103	0.457419	0.900108
208	ENSG0000011454.18	1002.689	-0.12866	0.173156	-0.74302	0.457471	0.900108
1070	ENSG00000080822.17	790.8846	-0.14285	0.192315	-0.74282	0.457593	0.900108
563	ENSG00000059758.8	304.7958	-0.18886	0.254267	-0.74276	0.457625	0.900108
5761	ENSG00000145545.12	956.8371	-0.13263	0.178572	-0.74273	0.457643	0.900108
1419	ENSG00000093000.19	1435.8	-0.15251	0.205363	-0.74265	0.457691	0.900108
4055	ENSG00000128604.20	187.9926	0.202394	0.272571	0.742536	0.457762	0.900108
11131	ENSG00000269556.8	688.4113	0.145237	0.195618	0.742454	0.457812	0.900108
3501	ENSG00000120733.14	1727.054	-0.12197	0.164286	-0.74243	0.457824	0.900108
10639	ENSG00000234072.1	1283.032	0.13753	0.185248	0.742411	0.457838	0.900108
1385	ENSG00000091732.17	692.6365	-0.13889	0.187081	-0.7424	0.457843	0.900108
6940	ENSG00000162642.14	329.2169	0.166719	0.224594	0.742311	0.457899	0.900108
8771	ENSG00000178342.4	186.2419	0.225056	0.303286	0.74206	0.458051	0.900108
7693	ENSG00000167720.13	505.2564	-0.15317	0.206434	-0.74197	0.458108	0.900108
10844	ENSG00000248333.8	2362.483	0.130074	0.175328	0.741891	0.458153	0.900108
9257	ENSG00000184575.12	1988.423	-0.1177	0.158817	-0.74111	0.458626	0.900108
4155	ENSG00000130150.12	883.0807	-0.14736	0.198893	-0.74091	0.458747	0.900108
2499	ENSG00000108654.15	8251.133	-0.12855	0.173582	-0.74057	0.458957	0.900108
2862	ENSG00000113013.15	6143.473	-0.10834	0.146337	-0.74036	0.459079	0.900108
317	ENSG00000026508.20	1132.991	-0.12548	0.169494	-0.74033	0.459101	0.900108
8081	ENSG00000170876.8	891.7194	-0.13044	0.176195	-0.74032	0.459103	0.900108
8883	ENSG00000179933.6	580.6491	-0.14593	0.197147	-0.74022	0.459169	0.900108
1165	ENSG00000084754.12	3106.588	-0.12791	0.172924	-0.73971	0.459474	0.900108
2855	ENSG00000112941.14	1197.922	-0.12592	0.17025	-0.73965	0.459515	0.900108
61	ENSG00000005189.19	385.6545	-0.15616	0.211133	-0.73962	0.459532	0.900108
911	ENSG00000074800.16	16549.71	-0.11292	0.152681	-0.73956	0.459568	0.900108
5575	ENSG00000143514.17	1046.949	-0.12594	0.170299	-0.73952	0.459593	0.900108
860	ENSG00000072571.20	465.9788	0.158062	0.21377	0.739401	0.459663	0.900108
3147	ENSG00000116199.12	1259.022	-0.13236	0.179041	-0.73929	0.45973	0.900108
10942	ENSG00000256223.6	369.5847	-0.16685	0.225698	-0.73928	0.459739	0.900108
3851	ENSG00000125818.18	7393.495	0.106622	0.144226	0.739266	0.459746	0.900108
917	ENSG00000075089.9	228.7083	0.187174	0.253198	0.739242	0.45976	0.900108
6270	ENSG00000153310.19	988.8902	0.163687	0.221453	0.739152	0.459815	0.900108
5872	ENSG00000147130.14	2739.929	-0.11993	0.162263	-0.73912	0.459836	0.900108
2860	ENSG00000112992.18	1695.993	-0.12254	0.165811	-0.73906	0.45987	0.900108
3395	ENSG00000119487.17	1032.198	-0.13283	0.1798	-0.73874	0.460066	0.900108
373	ENSG00000037241.7	552.3183	0.164302	0.2225	0.738435	0.46025	0.900108
362	ENSG00000035681.9	369.5799	-0.15973	0.216343	-0.73833	0.460314	0.900108
1819	ENSG00000101745.17	1893.7	0.130548	0.176855	0.738163	0.460415	0.900108
2302	ENSG00000106392.11	420.6884	-0.15537	0.210507	-0.73809	0.460457	0.900108
1113	ENSG00000082701.16	1784.892	-0.14636	0.198306	-0.73806	0.460478	0.900108
10690	ENSG00000237550.5	2113.459	0.130248	0.176484	0.738017	0.460504	0.900108
5040	ENSG00000137955.16	975.0045	0.125808	0.170488	0.73793	0.460557	0.900108
6183	ENSG00000152061.23	586.0347	-0.14143	0.191685	-0.73781	0.460633	0.900108

5801	ENSG00000146063.20	1832.133	0.129025	0.174994	0.737311	0.460933	0.900108
5195	ENSG00000139372.15	1229.075	0.141057	0.191333	0.737234	0.46098	0.900108
8275	ENSG00000172766.19	562.2414	0.15099	0.204827	0.737159	0.461025	0.900108
9401	ENSG00000185900.11	790.2602	-0.13258	0.179853	-0.73714	0.461038	0.900108
6421	ENSG00000155868.8	228.4787	0.186182	0.252588	0.737098	0.461062	0.900108
2719	ENSG00000111642.16	10735.38	0.106416	0.14438	0.737051	0.461092	0.900108
3623	ENSG00000122729.19	1111.307	-0.13733	0.18641	-0.73668	0.461314	0.900108
10555	ENSG00000226363.3	198.2048	0.195824	0.265852	0.736589	0.461372	0.900108
4220	ENSG00000130699.18	1809.618	0.138568	0.188176	0.736376	0.461502	0.900108
10390	ENSG00000213995.11	2448.752	-0.11193	0.152046	-0.73614	0.461646	0.900108
9457	ENSG00000186638.16	308.6331	-0.17838	0.242332	-0.73611	0.461661	0.900108
6440	ENSG00000156136.10	1118.889	0.158721	0.215634	0.736067	0.46169	0.900108
6649	ENSG00000159086.15	1160.522	-0.1361	0.184917	-0.736	0.461728	0.900108
4103	ENSG00000129235.11	566.1285	0.148478	0.201756	0.735929	0.461774	0.900108
10500	ENSG00000222009.8	205.3448	0.208735	0.283648	0.735894	0.461795	0.900108
1264	ENSG00000088325.16	3560.249	-0.12228	0.166172	-0.73587	0.461808	0.900108
1825	ENSG00000101811.14	294.9376	-0.18738	0.254793	-0.73542	0.462083	0.900108
6437	ENSG00000156052.11	1573.131	-0.12853	0.17478	-0.73536	0.462121	0.900108
10783	ENSG00000243646.10	503.874	-0.14873	0.202273	-0.73529	0.462164	0.900108
2527	ENSG00000108960.9	277.1396	-0.17633	0.239806	-0.73529	0.462165	0.900108
4710	ENSG00000135387.21	5039.501	-0.11957	0.162631	-0.7352	0.462221	0.900108
5645	ENSG00000144118.14	500.4161	0.160096	0.217778	0.735136	0.462257	0.900108
7279	ENSG00000164754.15	8159.681	0.120654	0.164128	0.735121	0.462266	0.900108
4379	ENSG00000132300.19	1212.801	-0.14222	0.193473	-0.73508	0.462293	0.900108
6393	ENSG00000155324.10	338.752	-0.17888	0.243397	-0.73492	0.462388	0.900108
5403	ENSG00000141576.16	1351.983	-0.13703	0.186474	-0.73483	0.462445	0.900108
1410	ENSG00000092820.18	3655.634	-0.11901	0.161956	-0.73481	0.462453	0.900108
9493	ENSG00000187210.14	1741.745	0.154545	0.21038	0.7346	0.462583	0.900108
10373	ENSG00000213753.11	1389.195	0.121589	0.165536	0.734516	0.462634	0.900108
8596	ENSG00000176273.15	210.3876	-0.19784	0.269414	-0.73434	0.462745	0.900108
730	ENSG00000067900.8	1873.613	0.117397	0.15988	0.734283	0.462776	0.900108
7627	ENSG00000167302.11	1070.732	0.144541	0.19693	0.733975	0.462964	0.900108
9552	ENSG00000188191.15	662.2687	0.136629	0.186182	0.733845	0.463043	0.900108
8422	ENSG00000174353.17	471.6739	-0.1832	0.249669	-0.73378	0.463083	0.900108
2241	ENSG00000105771.14	2297.715	0.131498	0.179216	0.733739	0.463108	0.900108
6637	ENSG00000158864.12	2356.683	-0.11329	0.154412	-0.73369	0.463136	0.900108
467	ENSG00000050165.18	632.9398	-0.14933	0.203626	-0.73336	0.463338	0.900219
9285	ENSG00000184916.9	387.7394	0.157142	0.214283	0.733339	0.463351	0.900219
3911	ENSG00000126259.20	2116.815	0.11308	0.154232	0.733183	0.463447	0.900251
9675	ENSG00000196290.16	326.4638	-0.16482	0.224936	-0.73272	0.463727	0.900593
8305	ENSG00000173083.15	331.0516	-0.16529	0.22564	-0.73252	0.463849	0.900593
10110	ENSG00000198932.13	560.9759	-0.1441	0.196838	-0.7321	0.46411	0.900593
8776	ENSG00000178467.18	5740.166	0.107231	0.146474	0.732085	0.464116	0.900593
3241	ENSG00000117222.14	539.0551	-0.15718	0.214753	-0.73191	0.464223	0.900593
972	ENSG00000076924.12	2648.333	0.132092	0.180481	0.731886	0.464238	0.900593
4067	ENSG00000128789.21	870.2605	0.129101	0.176406	0.73184	0.464267	0.900593
1372	ENSG00000091164.13	1200.593	0.127502	0.174223	0.731831	0.464272	0.900593
8103	ENSG00000171100.15	166.9077	0.212532	0.290452	0.731728	0.464335	0.900593
7485	ENSG00000166263.13	872.0507	0.146865	0.200767	0.731516	0.464464	0.90069
10677	ENSG00000236609.4	837.509	-0.13692	0.187265	-0.73113	0.464699	0.900818
4342	ENSG00000131779.11	599.8971	-0.14912	0.203979	-0.73103	0.464758	0.900818
7406	ENSG00000165699.15	935.2587	-0.13122	0.179574	-0.73074	0.464941	0.900818

4336	ENSG00000131732.12	373.5859	0.158541	0.216961	0.730733	0.464942	0.900818
8485	ENSG00000175029.17	833.62	-0.14572	0.199417	-0.73071	0.464954	0.900818
2671	ENSG00000110958.16	8749.057	0.103483	0.141719	0.730197	0.46527	0.900818
9045	ENSG00000182318.6	288.7834	0.171753	0.235231	0.730147	0.4653	0.900818
10361	ENSG00000213619.10	1611.812	0.115813	0.15863	0.730082	0.46534	0.900818
4595	ENSG00000134308.14	14905.33	0.112753	0.154448	0.730038	0.465367	0.900818
174	ENSG0000010244.18	2731.713	-0.11428	0.156553	-0.72998	0.465405	0.900818
1933	ENSG00000103034.14	501.403	-0.17257	0.236421	-0.72994	0.46543	0.900818
8834	ENSG00000179163.12	1304.713	-0.11971	0.164108	-0.72947	0.465715	0.900818
2502	ENSG00000108671.11	1990.455	-0.11975	0.164172	-0.72939	0.465764	0.900818
8577	ENSG00000176049.16	640.8257	-0.13675	0.187486	-0.72937	0.465778	0.900818
947	ENSG00000075856.12	1640.331	-0.12776	0.175208	-0.72917	0.465901	0.900818
2814	ENSG00000112406.5	406.7431	-0.1524	0.209005	-0.72915	0.465911	0.900818
2968	ENSG00000114446.5	595.5253	0.137339	0.188366	0.729107	0.465936	0.900818
2623	ENSG00000110315.7	377.3971	0.170144	0.233368	0.729078	0.465954	0.900818
7224	ENSG00000164300.17	274.0477	-0.18537	0.254412	-0.7286	0.466244	0.901123
1830	ENSG00000101856.10	3755.203	0.112482	0.154444	0.728305	0.466427	0.901123
921	ENSG00000075188.9	223.6103	0.187361	0.257388	0.727934	0.466654	0.901123
4377	ENSG00000132286.12	1054.378	-0.13575	0.186535	-0.72775	0.466764	0.901123
7838	ENSG00000168813.17	552.8316	-0.15129	0.207901	-0.7277	0.4668	0.901123
8068	ENSG00000170779.11	374.336	0.155574	0.213881	0.727388	0.466989	0.901123
7527	ENSG00000166508.18	9085.717	-0.10705	0.147171	-0.72737	0.466998	0.901123
3812	ENSG00000125485.17	363.3759	-0.15635	0.215045	-0.72706	0.467187	0.901123
9445	ENSG00000186480.13	18514.53	-0.10219	0.140566	-0.72699	0.467233	0.901123
8356	ENSG00000173588.15	207.0165	-0.18999	0.261342	-0.72697	0.467246	0.901123
6487	ENSG00000156853.13	711.8396	-0.13265	0.182492	-0.7269	0.467284	0.901123
1017	ENSG00000078403.17	446.8087	0.149142	0.205203	0.726803	0.467347	0.901123
5892	ENSG00000147416.11	3736.763	-0.12503	0.172049	-0.72669	0.467419	0.901123
10029	ENSG00000198719.9	743.7496	0.139413	0.191867	0.726614	0.467463	0.901123
7325	ENSG00000165113.13	401.402	0.160433	0.220796	0.726613	0.467463	0.901123
2423	ENSG00000107897.19	259.7441	-0.18632	0.256569	-0.7262	0.467718	0.901123
5485	ENSG00000142731.11	378.5894	-0.15908	0.219072	-0.72614	0.467756	0.901123
10564	ENSG00000227057.10	1166.076	-0.12085	0.166497	-0.72583	0.467944	0.901123
1244	ENSG00000087301.9	1182.593	0.152666	0.210432	0.725492	0.46815	0.901123
1006	ENSG00000078070.13	536.266	-0.15389	0.212123	-0.72547	0.468167	0.901123
1321	ENSG00000089775.11	310.2132	0.18865	0.260045	0.725451	0.468175	0.901123
7914	ENSG00000169432.18	257.3938	0.208538	0.287505	0.725337	0.468245	0.901123
9416	ENSG00000186104.10	359.5636	-0.16645	0.229504	-0.72524	0.468303	0.901123
7294	ENSG00000164902.14	922.7699	-0.12687	0.174949	-0.72519	0.468334	0.901123
566	ENSG00000060069.17	861.8866	-0.12776	0.176192	-0.72513	0.468371	0.901123
1342	ENSG00000090470.15	1080.898	-0.12177	0.167938	-0.72506	0.468413	0.901123
7163	ENSG00000164040.18	2535.132	0.124141	0.171224	0.725019	0.46844	0.901123
2778	ENSG00000112130.17	1505.252	-0.12057	0.166309	-0.72499	0.468458	0.901123
11165	ENSG00000272163.1	273.9396	0.179141	0.247163	0.724788	0.468582	0.901123
1433	ENSG00000094975.14	855.9697	0.149105	0.205738	0.724733	0.468616	0.901123
7400	ENSG00000165672.7	1609.435	0.142853	0.197132	0.724658	0.468662	0.901123
1918	ENSG00000102908.22	618.4869	-0.15019	0.20729	-0.72454	0.468733	0.901123
8741	ENSG00000177954.14	8299.045	0.11614	0.160318	0.724436	0.468798	0.901123
9820	ENSG00000197170.10	995.9821	-0.1285	0.177411	-0.72433	0.468862	0.901123
1721	ENSG00000100982.12	2953.246	0.118031	0.162973	0.724234	0.468922	0.901123
10877	ENSG00000250722.6	1956.222	0.138781	0.191651	0.724133	0.468984	0.901123
5691	ENSG00000144647.6	2276.985	0.119437	0.164975	0.723973	0.469082	0.901123

8746	ENSG00000178028.14	2304.618	-0.11653	0.161001	-0.7238	0.46919	0.901123
4115	ENSG00000129355.7	563.8459	0.169229	0.233811	0.723784	0.469198	0.901123
7807	ENSG00000168564.6	570.8605	0.158591	0.219222	0.723425	0.469419	0.901395
66	ENSG00000005302.19	762.7254	-0.13005	0.179862	-0.72306	0.469641	0.901484
304	ENSG00000024048.10	666.0655	-0.13599	0.188109	-0.7229	0.469738	0.901484
2055	ENSG00000104341.17	3266.117	-0.11433	0.158194	-0.72269	0.469871	0.901484
2863	ENSG00000113048.17	1185.813	-0.14067	0.194647	-0.72267	0.469881	0.901484
6664	ENSG00000159228.13	1438.414	-0.11745	0.162537	-0.7226	0.469926	0.901484
2729	ENSG00000111674.9	6243.998	-0.10682	0.147839	-0.72253	0.469969	0.901484
1606	ENSG00000100324.14	1918.619	0.114996	0.159176	0.722447	0.47002	0.901484
5191	ENSG00000139352.4	529.0394	0.157179	0.217649	0.722167	0.470192	0.901565
7005	ENSG00000163132.8	391.1448	-0.1837	0.254391	-0.72212	0.47022	0.901565
9703	ENSG00000196440.11	698.9937	-0.17825	0.246911	-0.72194	0.470334	0.901632
1781	ENSG00000101365.21	2428.345	-0.11288	0.156463	-0.72142	0.470653	0.902092
746	ENSG00000068383.19	183.6255	0.204703	0.283883	0.721082	0.470859	0.902207
9466	ENSG00000186814.14	414.5105	-0.16712	0.231773	-0.72106	0.470872	0.902207
9928	ENSG00000198040.10	743.6418	-0.13258	0.184002	-0.72054	0.471193	0.902563
5243	ENSG00000139970.17	2186.58	-0.11868	0.164717	-0.7205	0.471216	0.902563
4883	ENSG00000136754.17	447.5302	-0.16152	0.224306	-0.72009	0.471468	0.90284
13	ENSG00000001631.16	872.6143	-0.12772	0.177388	-0.72001	0.471519	0.90284
10389	ENSG00000213983.12	3503.221	-0.1218	0.169324	-0.71935	0.471924	0.902997
1565	ENSG00000100151.16	1245.084	-0.12318	0.171249	-0.71931	0.471947	0.902997
8494	ENSG00000175104.15	315.2045	0.179825	0.250025	0.719228	0.472	0.902997
2250	ENSG00000105852.11	1033.012	-0.14338	0.199385	-0.7191	0.472079	0.902997
1568	ENSG00000100167.20	2550.026	-0.1109	0.154238	-0.71903	0.472122	0.902997
7233	ENSG00000164332.8	332.3257	0.164739	0.229124	0.718995	0.472144	0.902997
6441	ENSG00000156162.16	479.4846	0.213282	0.296647	0.718975	0.472156	0.902997
7594	ENSG00000167037.18	807.1865	0.163085	0.226875	0.718833	0.472244	0.903013
10179	ENSG00000204351.12	1694.134	-0.12039	0.167558	-0.71851	0.472441	0.903239
10801	ENSG00000244165.2	468.8753	0.178622	0.24878	0.717992	0.472762	0.903564
5828	ENSG00000146425.11	1529.428	0.12068	0.168084	0.717979	0.47277	0.903564
6257	ENSG00000153094.24	1035.637	-0.12401	0.172815	-0.71761	0.472997	0.903846
1199	ENSG00000085998.14	3373.19	-0.10933	0.152428	-0.71724	0.473226	0.903958
903	ENSG00000074582.15	877.3323	0.129971	0.181247	0.71709	0.473319	0.903958
10514	ENSG00000223839.8	364.3773	0.185739	0.25902	0.717082	0.473324	0.903958
7348	ENSG00000165275.10	179.7691	-0.1949	0.271859	-0.71693	0.473416	0.903958
2856	ENSG00000112972.15	24554.14	0.120781	0.168538	0.716643	0.473595	0.903958
5614	ENSG00000143801.17	501.4864	-0.14186	0.197956	-0.71662	0.473608	0.903958
9354	ENSG00000185483.12	584.5952	-0.14079	0.196463	-0.71662	0.473612	0.903958
3002	ENSG00000114867.22	14362.41	0.124511	0.173794	0.716424	0.47373	0.904032
10347	ENSG00000213420.8	464.8043	0.159901	0.22325	0.716243	0.473842	0.904094
5083	ENSG00000138326.21	11555.05	0.105103	0.146776	0.716075	0.473945	0.90414
9737	ENSG00000196636.8	339.9502	0.168925	0.236195	0.715193	0.47449	0.905028
4347	ENSG00000131831.18	2795.696	0.117099	0.163832	0.714751	0.474763	0.905397
294	ENSG00000023228.14	2205.112	-0.12364	0.173031	-0.71458	0.474867	0.905443
526	ENSG00000055917.15	2414.585	-0.13585	0.19038	-0.71359	0.475479	0.905621
620	ENSG00000064393.16	5110.547	-0.11751	0.164689	-0.71351	0.47553	0.905621
1202	ENSG00000086061.16	4774.124	0.111692	0.156597	0.713247	0.475693	0.905621
1522	ENSG00000099949.21	2778.253	0.123387	0.173022	0.713128	0.475766	0.905621
8255	ENSG00000172493.21	1791.216	-0.13151	0.184414	-0.71312	0.475772	0.905621
5757	ENSG00000145439.12	532.3581	0.159747	0.224015	0.713111	0.475777	0.905621
6160	ENSG00000151689.13	819.0797	-0.12664	0.177589	-0.7131	0.475784	0.905621

4229	ENSG00000130724.9	1861.993	0.113574	0.159277	0.71306	0.475809	0.905621
8193	ENSG00000171853.16	1645.558	-0.12545	0.175996	-0.71278	0.47598	0.905621
6420	ENSG00000155858.6	313.0428	-0.16122	0.22619	-0.71276	0.475992	0.905621
5086	ENSG00000138363.15	1622.028	-0.11312	0.158765	-0.7125	0.476154	0.905621
4011	ENSG00000127980.16	928.3987	-0.13872	0.194733	-0.71237	0.476237	0.905621
5900	ENSG00000147488.11	1361.131	-0.13325	0.187121	-0.71209	0.476411	0.905621
9119	ENSG00000183060.15	485.96	-0.14161	0.198903	-0.71196	0.476493	0.905621
4196	ENSG00000130508.11	633.0375	0.154264	0.21672	0.711815	0.47658	0.905621
8618	ENSG00000176490.5	1256.643	0.121606	0.170848	0.711782	0.4766	0.905621
8064	ENSG00000170734.12	431.6593	-0.15306	0.215054	-0.71172	0.476641	0.905621
1956	ENSG00000103168.16	2017.673	0.1341	0.188444	0.711614	0.476704	0.905621
11212	ENSG00000274020.4	193.4919	-0.19274	0.270892	-0.71151	0.476769	0.905621
8910	ENSG00000180346.3	258.0898	0.173016	0.243186	0.711457	0.476801	0.905621
6102	ENSG00000150867.14	315.572	-0.16632	0.233797	-0.71137	0.476857	0.905621
10607	ENSG00000231365.6	332.8211	-0.16813	0.236351	-0.71134	0.476873	0.905621
4477	ENSG00000133056.13	1370.435	-0.12452	0.17507	-0.71127	0.476915	0.905621
2559	ENSG00000109390.13	557.9732	0.13824	0.194432	0.710995	0.477088	0.905621
5466	ENSG00000142534.7	9760.898	0.116788	0.164266	0.710971	0.477102	0.905621
3788	ENSG00000125170.11	925.6648	0.130825	0.184054	0.7108	0.477208	0.905621
6248	ENSG00000152969.20	226.7259	-0.19274	0.271187	-0.71074	0.477246	0.905621
1221	ENSG00000086848.15	418.5504	-0.14786	0.208051	-0.71069	0.477278	0.905621
2834	ENSG00000112679.14	1174.197	-0.11887	0.167275	-0.71064	0.477305	0.905621
4673	ENSG00000135052.16	4102.083	-0.10984	0.154583	-0.71058	0.477346	0.905621
8583	ENSG00000176105.14	978.271	0.149821	0.210909	0.710358	0.477482	0.905634
9380	ENSG00000185721.13	1027.491	0.131855	0.18565	0.710234	0.477559	0.905634
9668	ENSG00000196233.14	1560.584	0.161351	0.227273	0.709945	0.477738	0.905634
734	ENSG00000068024.17	860.7603	-0.12498	0.176069	-0.70981	0.477823	0.905634
2031	ENSG00000104081.14	324.2297	-0.17066	0.240434	-0.7098	0.477828	0.905634
5985	ENSG00000148688.14	550.062	-0.14312	0.201632	-0.7098	0.47783	0.905634
4993	ENSG00000137504.13	1630.372	-0.1192	0.16814	-0.70893	0.478365	0.906449
1380	ENSG00000091542.9	4634.386	-0.12398	0.174906	-0.70885	0.478419	0.906449
6770	ENSG00000160563.14	1622.233	0.113537	0.16021	0.708673	0.478527	0.906475
6323	ENSG00000154274.15	501.9725	-0.14535	0.205135	-0.70855	0.478602	0.906475
914	ENSG00000074935.14	270.7343	-0.17136	0.241889	-0.70844	0.478672	0.906475
112	ENSG00000006715.16	1313.043	0.133404	0.188371	0.708196	0.478824	0.906553
2785	ENSG00000112167.10	546.6827	-0.13817	0.195145	-0.70803	0.478924	0.906553
823	ENSG00000071205.12	388.5658	0.159066	0.224707	0.707882	0.479019	0.906553
3833	ENSG00000125691.14	5473.671	0.119387	0.168701	0.707682	0.479143	0.906553
4398	ENSG00000132432.14	716.4737	0.141918	0.200556	0.70762	0.479181	0.906553
3488	ENSG00000120685.20	2499.966	-0.11644	0.164549	-0.70761	0.47919	0.906553
5935	ENSG00000147996.16	590.3414	-0.13902	0.196498	-0.70748	0.47927	0.906554
5107	ENSG00000138468.16	331.6615	-0.17459	0.246938	-0.70701	0.47956	0.906778
4616	ENSG00000134504.14	373.5658	-0.15248	0.21568	-0.70697	0.479583	0.906778
2670	ENSG00000110955.9	9201.991	-0.10337	0.146229	-0.7069	0.479628	0.906778
8687	ENSG00000177406.5	220.2182	-0.17802	0.251973	-0.70651	0.479868	0.906883
10425	ENSG00000214717.12	2398.14	-0.10845	0.153515	-0.70645	0.479909	0.906883
1811	ENSG00000101605.13	574.3121	-0.13489	0.190954	-0.7064	0.47994	0.906883
3914	ENSG00000126266.3	9850.358	-0.10866	0.153845	-0.7063	0.480002	0.906883
8638	ENSG00000176887.7	971.2103	0.142311	0.201555	0.706062	0.48015	0.907012
2333	ENSG00000106636.8	3782.688	-0.10476	0.148397	-0.70592	0.48024	0.907032
10447	ENSG00000215256.4	320.3042	-0.16253	0.230378	-0.7055	0.480499	0.907329
6976	ENSG00000162923.16	1769.431	-0.11723	0.166189	-0.7054	0.480563	0.907329

8163	ENSG00000171533.11	1542.117	-0.11517	0.163294	-0.70528	0.480637	0.907329
8707	ENSG00000177613.9	1066.837	-0.12236	0.173551	-0.70505	0.480778	0.90737
9025	ENSG00000182150.18	673.6913	-0.14195	0.201357	-0.70499	0.480817	0.90737
619	ENSG00000064313.12	681.0981	-0.14422	0.204687	-0.70458	0.481073	0.90762
3400	ENSG00000119541.10	746.9264	0.142292	0.201983	0.704472	0.481139	0.90762
7956	ENSG00000169814.16	990.6302	-0.13063	0.185473	-0.7043	0.481248	0.90762
2301	ENSG00000106367.15	3389.784	0.10814	0.15355	0.704263	0.481269	0.90762
6987	ENSG00000162989.5	1399.268	-0.11741	0.166754	-0.70409	0.48138	0.907678
10252	ENSG00000205250.9	2029.4	-0.11167	0.158659	-0.70381	0.48155	0.907759
4606	ENSG00000134371.14	543.0845	-0.14552	0.206772	-0.70376	0.481582	0.907759
1951	ENSG00000103148.17	3200.956	0.119251	0.169501	0.703544	0.481717	0.907807
2329	ENSG00000106624.11	925.0405	0.141399	0.201038	0.703344	0.481842	0.907807
8466	ENSG00000174799.11	223.3417	0.181704	0.258346	0.703336	0.481847	0.907807
9712	ENSG00000196476.12	500.1869	0.142613	0.202811	0.703183	0.481942	0.907836
1921	ENSG00000102924.12	1737.331	0.127373	0.181354	0.702346	0.482463	0.908669
5461	ENSG00000142453.12	2866.974	0.111395	0.158693	0.701954	0.482708	0.908979
10097	ENSG00000198908.12	174.063	-0.20038	0.285549	-0.70175	0.482833	0.909064
6412	ENSG00000155744.9	543.5467	0.177827	0.253518	0.701439	0.483029	0.909283
574	ENSG00000060749.16	892.8875	-0.12261	0.174848	-0.70121	0.48317	0.909397
9921	ENSG00000197989.14	347.0159	0.16086	0.229444	0.701086	0.483249	0.909397
2756	ENSG00000111875.8	346.0739	0.1693	0.241612	0.700712	0.483483	0.909614
2350	ENSG00000106829.20	1050.748	0.142451	0.20334	0.700555	0.483581	0.909614
8733	ENSG00000177885.15	2774.259	-0.10751	0.153472	-0.70052	0.483604	0.909614
9799	ENSG00000197045.13	1016.577	0.172187	0.245951	0.700087	0.483873	0.909746
3621	ENSG00000122696.14	383.5654	0.148539	0.212227	0.699907	0.483985	0.909746
2681	ENSG00000111203.13	676.6611	-0.1311	0.187329	-0.69984	0.48403	0.909746
3486	ENSG00000120656.12	176.6292	-0.19644	0.280718	-0.69977	0.484071	0.909746
6185	ENSG00000152078.10	369.3498	0.205064	0.293101	0.699635	0.484155	0.909746
7213	ENSG00000164221.13	295.6815	0.172022	0.245926	0.699485	0.484249	0.909746
1852	ENSG00000102078.16	429.8048	-0.14432	0.206329	-0.69945	0.484271	0.909746
7375	ENSG00000165507.9	701.9788	-0.15002	0.214511	-0.69938	0.484314	0.909746
1894	ENSG00000102699.6	777.8916	-0.14551	0.208218	-0.69884	0.48465	0.910228
784	ENSG00000070047.13	3029.51	0.108924	0.155916	0.698611	0.484795	0.910251
1618	ENSG00000100364.18	2900.926	0.109506	0.156797	0.698398	0.484928	0.910251
9225	ENSG00000184208.12	362.4387	-0.1715	0.245579	-0.69834	0.484963	0.910251
1880	ENSG00000102384.13	191.7565	-0.18977	0.271788	-0.69822	0.485041	0.910251
5838	ENSG00000146576.13	797.0615	0.138649	0.198657	0.69793	0.485221	0.910251
10705	ENSG00000239382.10	606.9284	0.155561	0.223001	0.697579	0.485441	0.910251
10720	ENSG00000240240.9	208.8702	0.197446	0.283047	0.697573	0.485444	0.910251
9654	ENSG00000196141.14	2913.08	0.125913	0.180504	0.697565	0.485449	0.910251
3344	ENSG00000118689.15	1188.457	-0.11798	0.169141	-0.69755	0.485456	0.910251
5135	ENSG00000138709.19	817.2857	0.128716	0.184527	0.697545	0.485462	0.910251
420	ENSG00000046604.13	1219.918	-0.11782	0.168951	-0.69736	0.48558	0.910323
1219	ENSG00000086758.16	12583.63	-0.11648	0.167135	-0.69691	0.485856	0.910691
6954	ENSG00000162755.14	176.1287	0.19263	0.276587	0.696453	0.486145	0.910979
7598	ENSG00000167085.12	2970.443	-0.1085	0.155798	-0.69641	0.48617	0.910979
7269	ENSG00000164663.14	387.0369	-0.15251	0.219207	-0.69574	0.48659	0.911505
2196	ENSG00000105483.18	493.5861	-0.14482	0.208165	-0.69571	0.486611	0.911505
3730	ENSG00000124257.6	234.8944	0.182891	0.262934	0.695578	0.486693	0.911509
3375	ENSG00000119314.16	1803.099	-0.13064	0.187911	-0.69523	0.486908	0.911693
9731	ENSG00000196584.3	358.256	-0.15035	0.216376	-0.69485	0.487149	0.911693
4789	ENSG00000135945.10	665.0816	-0.13427	0.193298	-0.69464	0.487279	0.911693

7063	ENSG00000163539.17	801.7988	-0.16674	0.240043	-0.69464	0.48728	0.911693
9100	ENSG00000182923.18	524.8295	0.147091	0.211796	0.694497	0.487371	0.911693
8302	ENSG00000173039.19	2408.688	0.108411	0.156138	0.694327	0.487477	0.911693
8816	ENSG00000178982.10	2697.499	0.105788	0.152426	0.694031	0.487663	0.911693
5520	ENSG00000143164.15	529.5628	-0.13557	0.195342	-0.69401	0.487674	0.911693
937	ENSG00000075461.6	6462.099	0.102841	0.148224	0.69382	0.487795	0.911693
308	ENSG00000025156.13	556.0978	0.155388	0.223968	0.693795	0.487811	0.911693
8134	ENSG00000171307.19	1360.754	-0.11219	0.161812	-0.69331	0.488116	0.911693
6969	ENSG00000162878.13	3101.834	0.108709	0.156798	0.693303	0.488119	0.911693
2907	ENSG00000113615.13	757.5324	-0.13669	0.197205	-0.69315	0.488214	0.911693
7873	ENSG00000169093.16	535.1826	0.137418	0.198289	0.693021	0.488296	0.911693
1261	ENSG00000088256.9	5476.078	0.102778	0.148319	0.692951	0.48834	0.911693
7537	ENSG00000166582.10	1594.143	0.120735	0.174242	0.692912	0.488365	0.911693
5978	ENSG00000148572.16	417.6833	0.167861	0.242298	0.692788	0.488443	0.911693
3942	ENSG00000126773.13	865.5529	0.125469	0.18114	0.692664	0.48852	0.911693
3620	ENSG00000122694.16	195.7365	0.201373	0.290754	0.69259	0.488567	0.911693
7436	ENSG00000165929.13	425.2061	-0.15838	0.228709	-0.6925	0.488622	0.911693
5472	ENSG00000142611.17	228.3737	-0.18546	0.267931	-0.69221	0.488804	0.911693
14	ENSG00000002016.18	223.8634	-0.18834	0.272098	-0.69219	0.488819	0.911693
331	ENSG00000029993.15	1349.027	0.11306	0.16334	0.692177	0.488826	0.911693
10158	ENSG00000204209.13	1920.359	-0.11049	0.159639	-0.69215	0.48884	0.911693
2300	ENSG00000106355.10	717.2056	0.134794	0.194748	0.692148	0.488845	0.911693
3162	ENSG00000116350.17	2086.406	-0.10802	0.156112	-0.69195	0.488967	0.911693
8180	ENSG00000171723.16	735.1903	0.125989	0.182087	0.691912	0.488992	0.911693
390	ENSG00000039560.14	437.0489	-0.14438	0.208731	-0.69169	0.489135	0.911693
5444	ENSG00000142168.15	2373.744	0.105517	0.152575	0.691571	0.489207	0.911693
10204	ENSG00000204560.10	1611.231	-0.12515	0.180978	-0.69152	0.489237	0.911693
9776	ENSG00000196914.9	2539.82	-0.12078	0.174724	-0.69125	0.489411	0.911693
6449	ENSG00000156273.16	674.9047	0.176338	0.255139	0.691146	0.489474	0.911693
6724	ENSG00000160179.19	2104.159	-0.10675	0.15446	-0.6911	0.489505	0.911693
6966	ENSG00000162869.16	304.65	0.159239	0.230419	0.691082	0.489514	0.911693
5610	ENSG00000143776.18	1848.083	-0.11037	0.159733	-0.69094	0.489603	0.911711
5393	ENSG00000141543.12	1568.261	0.115631	0.167433	0.690611	0.48981	0.911947
9628	ENSG00000189157.14	297.6273	-0.19665	0.285089	-0.6898	0.490321	0.912319
10392	ENSG00000214021.16	815.4217	-0.14761	0.214007	-0.68975	0.49035	0.912319
654	ENSG00000065491.8	516.9457	-0.14223	0.206264	-0.68958	0.490461	0.912319
6369	ENSG00000154978.13	2291.618	-0.10697	0.155143	-0.68948	0.490521	0.912319
8162	ENSG00000171530.15	1791.525	0.118284	0.171601	0.689295	0.490638	0.912319
7909	ENSG00000169375.16	1449.855	-0.11756	0.170616	-0.68904	0.490801	0.912319
4173	ENSG00000130294.17	36435.79	0.110978	0.161078	0.688969	0.490843	0.912319
2277	ENSG00000106105.15	3022.228	-0.11628	0.168794	-0.68891	0.490879	0.912319
1901	ENSG00000102781.14	547.1696	-0.16967	0.246323	-0.6888	0.49095	0.912319
8098	ENSG00000171044.11	171.3049	-0.19712	0.286236	-0.68868	0.491025	0.912319
9142	ENSG00000183354.12	954.015	0.122744	0.17826	0.688566	0.491096	0.912319
10528	ENSG00000224597.10	248.9194	-0.21801	0.316657	-0.68848	0.491153	0.912319
3655	ENSG00000123191.16	358.8877	-0.17309	0.251456	-0.68836	0.491226	0.912319
5685	ENSG00000144589.22	839.2276	0.146176	0.212406	0.688194	0.491331	0.912319
1731	ENSG00000101052.13	826.4039	0.133396	0.193837	0.688186	0.491335	0.912319
4279	ENSG00000131069.20	6378.483	-0.10609	0.154196	-0.68799	0.491457	0.912319
7649	ENSG00000167491.17	2001.353	-0.1092	0.158746	-0.68789	0.491523	0.912319
6197	ENSG00000152219.5	336.62	0.211971	0.308162	0.687857	0.491543	0.912319
10345	ENSG00000213398.8	189.7708	0.192662	0.280199	0.687588	0.491712	0.912319

1977	ENSG00000103275.20	3669.487	0.10235	0.148855	0.687583	0.491715	0.912319
5722	ENSG00000145012.13	741.9672	-0.1337	0.194472	-0.68751	0.491761	0.912319
5381	ENSG00000141458.13	1890.901	-0.12414	0.180602	-0.6874	0.491833	0.912319
8036	ENSG00000170473.17	390.725	0.147137	0.214059	0.687365	0.491853	0.912319
3076	ENSG00000115539.14	367.5498	-0.14765	0.214903	-0.68705	0.492052	0.912539
10787	ENSG00000243716.10	3324.979	-0.15712	0.228847	-0.68658	0.492348	0.91294
8849	ENSG00000179335.18	1343.072	-0.11156	0.162624	-0.68601	0.492707	0.913458
1871	ENSG00000102230.14	292.4289	-0.16102	0.234879	-0.68556	0.492992	0.913757
2941	ENSG00000114107.9	243.8319	0.169085	0.246678	0.685446	0.493062	0.913757
7103	ENSG00000163754.18	517.9163	-0.13567	0.197945	-0.68537	0.493112	0.913757
6394	ENSG00000155329.12	246.2967	0.172256	0.251395	0.685198	0.493219	0.913757
3190	ENSG00000116679.16	1583.277	0.110844	0.161794	0.685094	0.493285	0.913757
6443	ENSG00000156171.14	467.8458	0.143558	0.209577	0.68499	0.49335	0.913757
2025	ENSG00000103995.14	165.5388	-0.20435	0.298441	-0.68472	0.493522	0.913832
3627	ENSG00000122783.16	1256.727	-0.11674	0.170547	-0.68451	0.493656	0.913832
8168	ENSG00000171603.18	7354.872	0.109271	0.159661	0.684396	0.493725	0.913832
6351	ENSG00000154736.6	283.4969	-0.171	0.249884	-0.6843	0.493784	0.913832
1097	ENSG00000081913.14	966.5598	-0.12353	0.180529	-0.68429	0.493792	0.913832
6779	ENSG00000160688.19	1522.324	0.111791	0.163405	0.684132	0.493892	0.913864
5413	ENSG00000141664.10	415.734	0.144932	0.211975	0.683724	0.49415	0.913864
5762	ENSG00000145555.15	5841.273	-0.11363	0.166202	-0.68366	0.494189	0.913864
7016	ENSG00000163214.21	497.6608	-0.13634	0.199444	-0.68361	0.49422	0.913864
11124	ENSG00000268916.6	775.7634	-0.12278	0.1796	-0.68361	0.494224	0.913864
6398	ENSG00000155368.16	3982.867	0.109637	0.160457	0.683281	0.494429	0.913864
9735	ENSG00000196628.20	237.7018	-0.18971	0.277735	-0.68307	0.494561	0.913864
5347	ENSG00000141030.13	1481.777	-0.12424	0.181909	-0.68301	0.494602	0.913864
10865	ENSG00000250056.8	262.7063	0.170061	0.248993	0.682994	0.494611	0.913864
1217	ENSG00000086666.19	901.2185	0.148518	0.217452	0.682992	0.494612	0.913864
2868	ENSG00000113161.16	13821.13	0.117762	0.172629	0.682167	0.495133	0.91449
9284	ENSG00000184905.9	954.8147	0.12855	0.188449	0.682146	0.495147	0.91449
4945	ENSG00000137135.18	533.88	-0.13462	0.197363	-0.68207	0.495192	0.91449
2759	ENSG00000111880.16	405.6705	0.152839	0.224191	0.681735	0.495407	0.914657
4267	ENSG00000130958.13	769.2093	-0.12325	0.180798	-0.68168	0.495442	0.914657
6247	ENSG00000152952.12	1322.475	0.122678	0.180006	0.681517	0.495544	0.914696
7219	ENSG00000164258.12	346.8513	0.149928	0.220181	0.68093	0.495916	0.915084
3085	ENSG00000115661.14	1279.951	0.119476	0.175478	0.68086	0.49596	0.915084
1390	ENSG00000092020.10	339.0878	0.155007	0.227745	0.680615	0.496115	0.915084
4625	ENSG00000134644.16	2257.945	-0.11555	0.169775	-0.68059	0.496132	0.915084
7993	ENSG00000170088.14	588.6526	-0.12872	0.189154	-0.68049	0.496197	0.915084
7405	ENSG00000165689.17	1089.726	-0.11565	0.170003	-0.6803	0.496316	0.915084
1974	ENSG00000103264.18	1319.124	-0.11691	0.171849	-0.6803	0.496317	0.915084
4381	ENSG00000132313.15	653.3116	-0.14773	0.217195	-0.68017	0.496399	0.915088
695	ENSG00000066697.15	470.8138	0.152945	0.224958	0.679883	0.496579	0.915171
10391	ENSG00000213999.17	249.0903	0.247309	0.363841	0.679717	0.496683	0.915171
2999	ENSG00000114857.18	1641.816	-0.11497	0.169208	-0.67949	0.496831	0.915171
9356	ENSG00000185495.10	289.8157	-0.15683	0.230817	-0.67947	0.496842	0.915171
6970	ENSG00000162881.6	347.7563	0.153486	0.225933	0.67934	0.496922	0.915171
9664	ENSG00000196214.11	356.7499	-0.15032	0.221308	-0.67925	0.496981	0.915171
8536	ENSG00000175482.9	504.9264	0.163068	0.240105	0.679154	0.49704	0.915171
5989	ENSG00000148730.7	6829.287	-0.10802	0.159067	-0.67908	0.497087	0.915171
7009	ENSG00000163159.14	1416.738	0.118254	0.174247	0.678659	0.497354	0.915331
8342	ENSG00000173473.11	3120.512	-0.10325	0.152145	-0.67862	0.49738	0.915331

6797	ENSG00000160796.18	3908.767	0.131667	0.194038	0.678562	0.497415	0.915331
7369	ENSG00000165480.16	291.3368	0.156411	0.2307	0.677985	0.497781	0.915532
9701	ENSG00000196436.8	311.4736	-0.15776	0.232709	-0.67793	0.497815	0.915532
1883	ENSG00000102401.20	1372.579	-0.11359	0.16755	-0.67792	0.497822	0.915532
3552	ENSG00000121579.13	1956.65	0.129476	0.191086	0.677581	0.498037	0.915532
10068	ENSG00000198836.10	975.5589	0.122148	0.180339	0.677325	0.4982	0.915532
5826	ENSG00000146414.16	388.0649	-0.16307	0.240842	-0.6771	0.498342	0.915532
2211	ENSG00000105612.9	605.646	-0.13569	0.200449	-0.67694	0.498442	0.915532
5447	ENSG00000142186.17	4570.909	0.113347	0.167531	0.676577	0.498674	0.915532
3177	ENSG00000116560.11	6711.46	0.099387	0.146945	0.676359	0.498813	0.915532
9910	ENSG00000197951.10	429.0326	-0.14591	0.215735	-0.67632	0.498839	0.915532
1368	ENSG00000091129.21	4135.28	0.10315	0.152537	0.676229	0.498895	0.915532
169	ENSG00000009950.16	10583.57	-0.12405	0.183452	-0.6762	0.498917	0.915532
4656	ENSG00000134900.12	697.8013	-0.12439	0.183962	-0.67617	0.498933	0.915532
6006	ENSG00000149089.13	577.4123	-0.13405	0.19825	-0.67617	0.498936	0.915532
2169	ENSG00000105298.14	933.1169	0.125975	0.186338	0.676057	0.499005	0.915532
2422	ENSG00000107890.17	306.019	0.153095	0.226505	0.675901	0.499103	0.915532
4039	ENSG00000128463.13	1063.76	0.114956	0.170113	0.675762	0.499192	0.915532
4276	ENSG00000131051.24	5049.48	-0.10073	0.149109	-0.67556	0.499321	0.915532
4704	ENSG00000135336.15	456.3203	-0.15228	0.225428	-0.67551	0.499352	0.915532
6914	ENSG00000162413.16	1025.407	0.115584	0.171134	0.6754	0.499422	0.915532
8041	ENSG00000170525.21	220.9569	-0.17755	0.262889	-0.67538	0.499434	0.915532
5604	ENSG00000143751.10	177.1982	-0.20248	0.299809	-0.67537	0.499438	0.915532
4208	ENSG00000130584.12	475.2952	0.147311	0.218133	0.675326	0.499469	0.915532
9123	ENSG00000183155.5	482.8058	-0.1346	0.199367	-0.67512	0.499599	0.915532
8562	ENSG00000175854.13	323.9111	0.152926	0.226517	0.67512	0.4996	0.915532
11357	ENSG00000285410.1	494.9291	0.1331	0.197173	0.675041	0.499649	0.915532
8990	ENSG00000181722.17	215.7136	-0.17492	0.259162	-0.67492	0.499724	0.915532
2949	ENSG00000114251.14	291.0919	-0.16407	0.243121	-0.67484	0.499776	0.915532
11228	ENSG00000275023.5	2594.281	0.101922	0.151096	0.674548	0.499963	0.915728
3419	ENSG00000119685.20	768.6683	-0.13409	0.199154	-0.67328	0.500771	0.916574
7442	ENSG00000165997.5	351.5735	0.197253	0.292989	0.673245	0.500792	0.916574
6469	ENSG00000156531.17	614.2798	0.149956	0.222764	0.673161	0.500845	0.916574
9657	ENSG00000196152.10	163.4427	-0.19219	0.285559	-0.67302	0.500933	0.916574
246	ENSG00000014138.9	1164.264	-0.11222	0.166765	-0.67292	0.500999	0.916574
9522	ENSG00000187735.14	2465.558	0.113605	0.168831	0.672888	0.501018	0.916574
3792	ENSG00000125319.14	334.6262	0.172989	0.257128	0.672771	0.501093	0.916574
6920	ENSG00000162437.14	761.8887	-0.12803	0.19038	-0.67248	0.501275	0.916574
2361	ENSG00000107099.16	908.1954	-0.11715	0.174223	-0.67243	0.501313	0.916574
711	ENSG00000067191.16	320.5874	-0.17937	0.26678	-0.67236	0.501354	0.916574
8069	ENSG00000170791.18	252.0412	0.165131	0.24561	0.672332	0.501372	0.916574
3281	ENSG00000117597.18	244.226	-0.16499	0.245408	-0.6723	0.501391	0.916574
4610	ENSG00000134444.15	616.4642	-0.17394	0.258831	-0.67202	0.501568	0.91675
2761	ENSG00000111897.7	4086.047	0.121995	0.181738	0.671266	0.502051	0.917383
4051	ENSG00000128590.5	947.9912	0.131816	0.196434	0.671047	0.50219	0.917383
5508	ENSG00000143079.15	469.8512	-0.14653	0.218401	-0.67091	0.502277	0.917383
2601	ENSG00000110013.13	418.1792	-0.14156	0.211028	-0.67081	0.502341	0.917383
11126	ENSG00000269226.7	218.3226	-0.17242	0.257075	-0.67069	0.502418	0.917383
10450	ENSG00000215305.10	2578.961	-0.10473	0.156158	-0.67066	0.50244	0.917383
1309	ENSG00000089280.19	6535.466	0.10928	0.162986	0.670491	0.502545	0.917383
2877	ENSG00000113282.14	1765.685	-0.10957	0.163469	-0.67026	0.502695	0.917383
1668	ENSG00000100596.7	978.5166	-0.12894	0.192405	-0.67017	0.502752	0.917383

9807	ENSG00000197102.12	13941.5	-0.10917	0.162912	-0.67011	0.502785	0.917383
1286	ENSG00000088970.16	472.9367	-0.13534	0.202041	-0.66984	0.502959	0.917383
11099	ENSG00000267100.1	894.3134	0.116476	0.173889	0.669828	0.502967	0.917383
10356	ENSG00000213585.11	2676.461	0.119114	0.177879	0.669638	0.503088	0.917383
7201	ENSG00000164169.13	160.6958	-0.20581	0.307463	-0.66939	0.503245	0.917383
6480	ENSG00000156709.15	1151.998	-0.11406	0.170414	-0.66933	0.503283	0.917383
7345	ENSG00000165269.13	289.5401	0.174596	0.260876	0.669268	0.503325	0.917383
1439	ENSG00000095209.12	566.5536	0.166686	0.249058	0.669267	0.503325	0.917383
5415	ENSG00000141682.12	1121.416	0.122391	0.182923	0.669081	0.503443	0.917383
2408	ENSG00000107798.18	1299.517	-0.13768	0.205845	-0.66886	0.503586	0.917383
3089	ENSG00000115694.15	3573.71	-0.10275	0.153628	-0.66885	0.503589	0.917383
951	ENSG00000076003.5	3748.597	-0.10986	0.164256	-0.66883	0.503606	0.917383
9833	ENSG00000197299.12	278.7846	-0.19319	0.289002	-0.66848	0.503827	0.917639
10830	ENSG00000247271.7	216.6859	0.174833	0.261594	0.668337	0.503919	0.917645
10166	ENSG00000204264.12	357.4138	0.145685	0.21805	0.668129	0.504051	0.917645
5275	ENSG00000140374.16	1021.875	0.113059	0.169278	0.667888	0.504205	0.917645
4544	ENSG00000133858.17	484.6303	-0.1438	0.215304	-0.66788	0.504212	0.917645
2463	ENSG00000108379.10	200.5393	-0.18326	0.274455	-0.66774	0.5043	0.917645
7378	ENSG00000165521.15	572.5787	-0.13861	0.207594	-0.66772	0.504314	0.917645
2653	ENSG00000110756.18	319.3553	-0.15772	0.236284	-0.66749	0.504462	0.917767
8693	ENSG00000177479.19	1939.379	-0.10909	0.1635	-0.66724	0.504618	0.917905
3536	ENSG00000121152.10	914.3962	-0.12024	0.180295	-0.6669	0.504836	0.918035
4886	ENSG00000136783.10	406.732	0.150424	0.225685	0.666521	0.505078	0.918035
8141	ENSG00000171365.17	907.2697	-0.13641	0.204658	-0.66652	0.50508	0.918035
587	ENSG00000062194.16	1295.125	0.132443	0.198735	0.666433	0.505134	0.918035
1325	ENSG00000089902.10	1273.731	0.123566	0.185434	0.666361	0.505181	0.918035
3512	ENSG00000120860.11	429.056	-0.13765	0.206602	-0.66625	0.505253	0.918035
5613	ENSG00000143799.13	7579.582	-0.10638	0.159701	-0.66614	0.505321	0.918035
9468	ENSG00000186834.4	573.5177	-0.12807	0.192308	-0.66595	0.505443	0.918035
474	ENSG00000050628.20	479.115	-0.14663	0.220205	-0.66588	0.505489	0.918035
2715	ENSG00000111615.14	883.4594	0.130577	0.196118	0.665807	0.505535	0.918035
7493	ENSG00000166326.7	3132.727	-0.13059	0.196183	-0.66564	0.505641	0.918035
1114	ENSG00000082781.12	636.4965	0.130393	0.195898	0.665615	0.505657	0.918035
10242	ENSG00000205002.4	168.1891	-0.18659	0.280445	-0.66534	0.50583	0.918203
8907	ENSG00000180233.11	522.6697	0.139167	0.209247	0.665084	0.505997	0.918346
6968	ENSG00000162877.13	174.7657	-0.20762	0.312296	-0.66481	0.506175	0.918346
2695	ENSG00000111321.11	1307.98	0.1164	0.175112	0.664717	0.506231	0.918346
9243	ENSG00000184402.15	1358.472	-0.11077	0.16667	-0.66463	0.506289	0.918346
11068	ENSG00000264112.1	461.3409	-0.13481	0.202856	-0.66458	0.506318	0.918346
3483	ENSG00000120616.16	346.8384	-0.15714	0.236496	-0.66446	0.506393	0.918346
4565	ENSG00000134072.11	179.8246	-0.18089	0.272434	-0.66397	0.506709	0.918713
9395	ENSG00000185829.18	206.2106	-0.17223	0.259428	-0.6639	0.506757	0.918713
2989	ENSG00000114742.14	890.4915	-0.11968	0.180395	-0.66346	0.507039	0.919044
10140	ENSG00000204065.3	632.896	0.123464	0.186188	0.663115	0.507257	0.919044
5175	ENSG00000139180.11	1071.972	-0.11412	0.172105	-0.66306	0.507292	0.919044
5482	ENSG00000142686.8	362.2148	-0.14853	0.224036	-0.66296	0.507354	0.919044
2692	ENSG00000111275.13	1455.104	0.11998	0.180987	0.662923	0.50738	0.919044
4285	ENSG00000131127.14	429.1555	0.154911	0.233728	0.662785	0.507468	0.919044
7048	ENSG00000163481.8	823.005	-0.11716	0.1768	-0.66269	0.507529	0.919044
4526	ENSG00000133641.18	282.0829	0.181566	0.274019	0.662604	0.507585	0.919044
9145	ENSG00000183431.12	1615.238	-0.11618	0.175371	-0.66247	0.507667	0.919048
9790	ENSG00000196998.19	1934.403	-0.10435	0.157547	-0.66232	0.507767	0.919081

7072	ENSG00000163605.15	1162.431	0.13126	0.19822	0.662191	0.507849	0.919084
6022	ENSG00000149257.16	523.4136	0.138828	0.209758	0.661848	0.508069	0.919184
3437	ENSG00000119812.19	520.6193	-0.13208	0.199688	-0.66141	0.508351	0.919184
5970	ENSG00000148399.13	774.608	-0.11906	0.180045	-0.66128	0.508432	0.919184
9632	ENSG00000189223.15	891.8714	-0.11584	0.175189	-0.66122	0.50847	0.919184
2850	ENSG00000112855.17	598.6657	-0.13503	0.20422	-0.66122	0.508473	0.919184
810	ENSG00000070778.13	416.3284	0.143258	0.216675	0.661164	0.508507	0.919184
4512	ENSG00000133422.14	1339.243	-0.12403	0.187608	-0.66114	0.508524	0.919184
5768	ENSG00000145675.15	449.8002	0.160504	0.242785	0.661097	0.50855	0.919184
1346	ENSG00000090581.10	1923.869	-0.11386	0.172271	-0.66094	0.508653	0.919214
10856	ENSG00000249395.4	162.1067	0.191111	0.289373	0.660431	0.508977	0.919214
7952	ENSG00000169762.17	620.3689	-0.13717	0.207714	-0.6604	0.508998	0.919214
9069	ENSG00000182621.18	673.3565	0.141206	0.213826	0.660378	0.509011	0.919214
7822	ENSG00000168743.13	461.3866	0.133542	0.202289	0.660154	0.509155	0.919214
2473	ENSG00000108468.15	2123.945	0.102857	0.155835	0.660034	0.509232	0.919214
10217	ENSG00000204628.12	19315.47	-0.09397	0.142402	-0.65986	0.509342	0.919214
4724	ENSG00000135457.10	621.0209	-0.12517	0.189752	-0.65967	0.509469	0.919214
9922	ENSG00000198000.12	602.3885	0.123917	0.187857	0.659634	0.509489	0.919214
5991	ENSG00000148773.14	3138.249	-0.12987	0.19697	-0.65933	0.509684	0.919214
789	ENSG00000070182.21	1725.795	-0.13163	0.199657	-0.6593	0.509705	0.919214
2347	ENSG00000106799.13	709.798	0.150339	0.22804	0.659267	0.509725	0.919214
248	ENSG00000014216.16	4208.048	0.097921	0.148537	0.659237	0.509744	0.919214
6575	ENSG00000158062.20	876.5527	0.121387	0.184148	0.659182	0.509779	0.919214
440	ENSG00000048162.21	264.9027	0.156967	0.238155	0.659097	0.509834	0.919214
2764	ENSG00000111912.20	308.9418	0.17193	0.260898	0.658993	0.5099	0.919214
1899	ENSG00000102763.18	302.9044	-0.15247	0.231389	-0.65893	0.509939	0.919214
5700	ENSG00000144741.17	197.2975	0.175525	0.266568	0.658463	0.51024	0.919612
434	ENSG00000047634.15	1189.678	-0.11317	0.171936	-0.65821	0.5104	0.919754
9482	ENSG00000187068.3	203.1918	0.17564	0.266909	0.658049	0.510506	0.9198
3581	ENSG00000122034.16	2456.534	0.102028	0.155159	0.657566	0.510817	0.920144
31	ENSG00000003989.18	5886.681	-0.12347	0.187791	-0.6575	0.510859	0.920144
11091	ENSG00000266412.5	3139.11	-0.12159	0.185079	-0.65697	0.5112	0.920215
5326	ENSG00000140859.16	1757.504	0.122111	0.185901	0.656859	0.511272	0.920215
8613	ENSG00000176454.14	1071.599	0.129172	0.196689	0.656731	0.511354	0.920215
6208	ENSG00000152348.16	187.1085	0.178209	0.271422	0.656574	0.511455	0.920215
6785	ENSG00000160714.10	3012.637	-0.09786	0.149064	-0.65648	0.511516	0.920215
1590	ENSG00000100280.16	7704.3	0.098827	0.150624	0.65612	0.511747	0.920215
4882	ENSG00000136750.13	2571.78	0.104605	0.15946	0.655998	0.511825	0.920215
593	ENSG00000062716.13	1271.724	0.1112	0.169516	0.655984	0.511834	0.920215
5847	ENSG00000146757.14	223.7549	-0.17037	0.259753	-0.65591	0.511884	0.920215
1349	ENSG00000090621.14	4518.514	0.102735	0.156692	0.65565	0.512049	0.920215
2343	ENSG00000106771.13	1694.911	-0.11578	0.17662	-0.65551	0.512137	0.920215
1801	ENSG00000101474.12	3608.447	-0.10385	0.158432	-0.6555	0.512144	0.920215
6992	ENSG00000163013.11	3890.456	0.116329	0.177489	0.655417	0.512199	0.920215
2366	ENSG00000107175.12	1182.677	-0.11016	0.168104	-0.6553	0.512271	0.920215
1068	ENSG00000080815.19	993.8006	-0.13017	0.198642	-0.65529	0.51228	0.920215
3090	ENSG00000115718.18	1560.443	0.107077	0.163416	0.65524	0.512313	0.920215
5665	ENSG00000144395.18	328.6861	-0.16578	0.253015	-0.65523	0.512317	0.920215
8057	ENSG00000170633.16	903.1036	-0.1166	0.17797	-0.65518	0.512353	0.920215
2282	ENSG00000106244.13	3445.187	0.098667	0.15065	0.654944	0.512504	0.920341
9563	ENSG00000188321.13	362.9042	-0.17689	0.270187	-0.6547	0.512658	0.920473
6120	ENSG00000151151.6	428.1127	0.181714	0.277657	0.654455	0.512819	0.920537

9441	ENSG00000186448.15	573.3341	0.128512	0.196394	0.654358	0.512881	0.920537
4432	ENSG00000132661.4	597.7222	0.137096	0.209565	0.654191	0.512989	0.920537
3201	ENSG00000116750.13	669.7273	0.135386	0.206966	0.654146	0.513017	0.920537
10957	ENSG00000257267.3	748.1035	-0.11773	0.180074	-0.65378	0.513253	0.920631
3599	ENSG00000122435.10	271.0495	-0.16042	0.245432	-0.65362	0.513359	0.920631
3722	ENSG00000124208.16	557.5599	-0.1339	0.204858	-0.6536	0.513369	0.920631
3032	ENSG00000115216.14	1684.099	-0.10969	0.167827	-0.65356	0.513393	0.920631
3202	ENSG00000116752.6	609.0651	0.133471	0.204396	0.653002	0.513755	0.92104
5557	ENSG00000143401.15	1080.853	0.109501	0.1677	0.652959	0.513783	0.92104
2714	ENSG00000111605.18	1550.253	0.111985	0.171557	0.652753	0.513916	0.921042
9052	ENSG00000182400.15	434.0391	0.139568	0.213871	0.652581	0.514026	0.921042
7505	ENSG00000166401.15	163.1518	-0.18549	0.284249	-0.65256	0.514038	0.921042
5270	ENSG00000140326.13	1337.882	0.10714	0.164211	0.652455	0.514108	0.921042
6683	ENSG00000159479.17	998.1222	-0.11771	0.180563	-0.65193	0.514446	0.921403
10810	ENSG00000244687.12	5773.532	0.104228	0.159897	0.651843	0.514502	0.921403
3772	ENSG00000124783.14	4219.796	-0.10826	0.166108	-0.65177	0.514552	0.921403
658	ENSG00000065559.15	724.6362	-0.12092	0.185572	-0.65162	0.514645	0.921425
3977	ENSG00000127452.9	724.066	-0.12298	0.188832	-0.65124	0.514889	0.921688
2948	ENSG00000114209.15	725.1058	0.140079	0.215128	0.651144	0.514954	0.921688
3207	ENSG00000116809.12	1179.199	0.108257	0.166431	0.650462	0.515394	0.922331
8212	ENSG00000172037.14	1183.297	0.164471	0.252926	0.650273	0.515516	0.922404
9767	ENSG00000196843.17	266.451	0.157068	0.241673	0.649919	0.515745	0.922554
10511	ENSG00000223768.2	1039.505	0.132294	0.203631	0.649674	0.515903	0.922554
5597	ENSG00000143669.14	204.9821	-0.17995	0.277012	-0.64962	0.515939	0.922554
3315	ENSG00000118162.14	647.4072	0.154395	0.237738	0.649432	0.516059	0.922554
69	ENSG00000005436.14	363.9018	0.141485	0.217947	0.649173	0.516227	0.922554
9269	ENSG00000184708.18	959.3845	-0.11564	0.178188	-0.64898	0.516353	0.922554
8651	ENSG00000177000.13	3788.883	-0.1112	0.171351	-0.64894	0.516379	0.922554
7943	ENSG00000169710.9	211259.7	0.537318	0.828024	0.648916	0.516393	0.922554
5518	ENSG00000143158.11	1559.027	0.108227	0.166813	0.64879	0.516474	0.922554
2328	ENSG00000106617.15	637.6941	0.133639	0.205991	0.648762	0.516493	0.922554
5119	ENSG00000138621.12	422.5729	0.13393	0.206464	0.648685	0.516542	0.922554
10562	ENSG00000227036.8	487.5444	-0.14359	0.221371	-0.64864	0.516572	0.922554
2925	ENSG00000113810.16	4711.554	0.097432	0.150241	0.648504	0.516659	0.922565
374	ENSG00000037474.15	1343.552	-0.11218	0.17311	-0.64803	0.516967	0.92297
11217	ENSG00000274265.5	236.7279	-0.18596	0.28717	-0.64757	0.517262	0.923211
8157	ENSG00000171488.15	219.9974	0.176415	0.272426	0.647569	0.517264	0.923211
5122	ENSG00000138640.15	347.05	-0.14635	0.2261	-0.64726	0.517461	0.923418
4253	ENSG00000130818.12	222.4438	0.165276	0.255554	0.646737	0.517802	0.923732
9175	ENSG00000183718.5	419.1752	0.135705	0.209847	0.646685	0.517836	0.923732
7862	ENSG00000169018.6	1268.32	0.147699	0.228433	0.646574	0.517908	0.923732
9280	ENSG00000184867.14	869.5952	-0.12276	0.18992	-0.64639	0.518025	0.923732
3564	ENSG00000121774.18	4557.404	0.096829	0.149833	0.646251	0.518117	0.923732
507	ENSG00000054611.14	435.3175	-0.13325	0.206202	-0.64623	0.518134	0.923732
4266	ENSG00000130956.14	1247.382	-0.12189	0.188652	-0.64611	0.518205	0.923732
10279	ENSG00000205659.11	515.0421	-0.13966	0.216255	-0.64581	0.518403	0.923941
7803	ENSG00000168522.13	864.2994	0.117396	0.181874	0.645482	0.518615	0.924116
7547	ENSG00000166710.20	6316.321	0.125067	0.19378	0.645406	0.518664	0.924116
2875	ENSG00000113272.14	241.999	-0.18498	0.286701	-0.64521	0.518791	0.924186
3584	ENSG00000122085.17	689.559	-0.11782	0.182741	-0.64473	0.5191	0.924186
3539	ENSG00000121289.18	1013.447	0.110573	0.17156	0.644514	0.519242	0.924186
11153	ENSG00000271122.1	329.9097	-0.14276	0.221592	-0.64426	0.519407	0.924186

10614	ENSG00000232098.3	428.6673	0.159799	0.248099	0.644092	0.519516	0.924186
10205	ENSG00000204564.12	709.5412	0.126184	0.195923	0.644047	0.519545	0.924186
2926	ENSG00000113811.11	743.9509	0.121367	0.188452	0.644021	0.519562	0.924186
8681	ENSG00000177311.11	696.052	0.174098	0.270395	0.643868	0.519661	0.924186
2198	ENSG00000105497.8	193.7546	-0.18946	0.294259	-0.64384	0.519679	0.924186
4227	ENSG00000130717.13	2503.246	-0.10141	0.157512	-0.64381	0.519698	0.924186
249	ENSG0000014641.21	2088.713	0.109454	0.170048	0.643667	0.519792	0.924186
4827	ENSG00000136238.18	3690.817	0.097368	0.151308	0.643509	0.519894	0.924186
7466	ENSG00000166169.17	1119.471	0.121942	0.189568	0.643267	0.520051	0.924186
7261	ENSG00000164611.13	940.3301	0.111865	0.17391	0.643237	0.520071	0.924186
4729	ENSG00000135486.18	25969.18	0.092203	0.143359	0.643162	0.520119	0.924186
8855	ENSG00000179406.8	278.2118	0.180645	0.280939	0.643002	0.520223	0.924186
664	ENSG00000065665.21	192.2176	-0.17615	0.274052	-0.64278	0.520369	0.924186
5201	ENSG00000139437.18	582.2734	-0.12446	0.193747	-0.64237	0.520634	0.924186
6558	ENSG00000157837.16	2749.999	-0.09764	0.15204	-0.64221	0.520739	0.924186
6731	ENSG00000160200.18	1220.966	-0.108	0.168242	-0.64196	0.520901	0.924186
3532	ENSG00000121067.19	1047.005	-0.10964	0.170793	-0.64194	0.520911	0.924186
8501	ENSG00000175166.17	6636.116	-0.10698	0.166677	-0.64183	0.520985	0.924186
10598	ENSG00000230487.8	190.705	-0.17882	0.278642	-0.64177	0.521025	0.924186
2429	ENSG00000107951.15	209.6415	-0.17382	0.271034	-0.64131	0.52132	0.924186
2024	ENSG00000103994.17	1163.817	0.130056	0.20285	0.641145	0.521428	0.924186
7118	ENSG00000163840.10	467.0158	-0.1308	0.204014	-0.64113	0.521441	0.924186
3159	ENSG00000116288.13	3523.148	0.104432	0.162914	0.641022	0.521508	0.924186
1273	ENSG00000088727.12	167.819	0.198795	0.310125	0.641014	0.521513	0.924186
6473	ENSG00000156639.12	3923.511	-0.09669	0.150843	-0.64098	0.521537	0.924186
7028	ENSG00000163349.22	1281.4	-0.10773	0.168105	-0.64084	0.521628	0.924186
9237	ENSG00000184305.15	255.4582	0.170065	0.265546	0.640434	0.52189	0.924186
4012	ENSG00000127989.14	216.0873	-0.17344	0.270867	-0.64031	0.521969	0.924186
9772	ENSG00000196873.16	365.9093	0.148113	0.23134	0.640238	0.522018	0.924186
165	ENSG00000009413.16	1198.609	-0.10586	0.165366	-0.64017	0.522064	0.924186
3551	ENSG00000121578.13	1238.502	-0.11616	0.181484	-0.64008	0.522121	0.924186
4530	ENSG00000133703.13	632.8418	0.13409	0.209498	0.640055	0.522137	0.924186
5515	ENSG00000143155.13	717.0975	0.132339	0.206809	0.639906	0.522234	0.924186
2908	ENSG00000113621.15	650.3928	-0.1201	0.187677	-0.6399	0.522235	0.924186
6866	ENSG00000161921.16	855.2283	0.117941	0.184359	0.639733	0.522346	0.924186
2289	ENSG00000106278.12	194.109	-0.1742	0.272335	-0.63965	0.522399	0.924186
3518	ENSG00000120910.15	255.3281	-0.16155	0.252654	-0.63943	0.522543	0.924186
4921	ENSG00000136936.11	224.796	0.16875	0.263933	0.639369	0.522583	0.924186
4068	ENSG00000128791.12	645.3905	0.13016	0.203578	0.639361	0.522588	0.924186
5288	ENSG00000140451.13	230.7393	0.199018	0.311291	0.639332	0.522607	0.924186
10730	ENSG00000240849.11	1877.93	0.108634	0.17	0.639024	0.522807	0.924186
5634	ENSG00000144021.3	2104.879	-0.10414	0.162985	-0.63898	0.522837	0.924186
10286	ENSG00000205758.12	216.165	-0.16837	0.263581	-0.63877	0.522975	0.924186
3565	ENSG00000121775.18	1464.273	0.111655	0.174822	0.638678	0.523033	0.924186
2747	ENSG00000111788.10	241.3789	-0.16609	0.260091	-0.63858	0.523095	0.924186
4047	ENSG00000128573.26	817.3714	0.112545	0.176293	0.638395	0.523217	0.924186
2752	ENSG00000111843.14	1009.229	0.125338	0.196367	0.638286	0.523288	0.924186
10661	ENSG00000235314.1	1017.631	0.12775	0.200156	0.638253	0.523309	0.924186
5115	ENSG00000138604.10	371.9207	0.151771	0.237818	0.638182	0.523355	0.924186
10688	ENSG00000237424.1	376.3255	0.163148	0.255666	0.638132	0.523388	0.924186
9473	ENSG00000186908.14	631.5154	0.151096	0.236811	0.638043	0.523446	0.924186
7409	ENSG00000165724.6	1509.766	0.10202	0.159918	0.637955	0.523503	0.924186

6655	ENSG00000159147.18	1108.02	-0.10685	0.167501	-0.63791	0.523531	0.924186
2022	ENSG00000103966.11	549.4211	-0.12649	0.198319	-0.63779	0.523612	0.924186
11260	ENSG00000277161.2	453.2804	-0.14408	0.226112	-0.63722	0.523981	0.924186
10324	ENSG00000213066.13	494.8849	0.126841	0.199128	0.636982	0.524136	0.924186
10889	ENSG00000251664.5	379.1619	-0.14284	0.224298	-0.63683	0.524235	0.924186
3109	ENSG00000115902.11	4086.737	-0.09765	0.153417	-0.63648	0.524465	0.924186
4271	ENSG00000131015.5	926.2611	-0.11303	0.177612	-0.63639	0.524521	0.924186
6403	ENSG00000155465.20	362.0912	-0.14997	0.235662	-0.63638	0.524526	0.924186
2460	ENSG00000108352.13	187.4972	0.171398	0.269455	0.636091	0.524717	0.924186
2089	ENSG00000104714.14	253.7431	-0.16907	0.265858	-0.63594	0.524814	0.924186
4637	ENSG00000134759.14	749.111	-0.12122	0.190662	-0.63577	0.524928	0.924186
9885	ENSG00000197763.18	196.5546	-0.17429	0.274179	-0.63569	0.524978	0.924186
10058	ENSG00000198814.12	589.4803	-0.12975	0.204179	-0.63549	0.525111	0.924186
10491	ENSG00000221914.11	1533.38	0.112056	0.176336	0.635468	0.525123	0.924186
7024	ENSG00000163322.14	168.3034	-0.19421	0.30566	-0.63538	0.52518	0.924186
5896	ENSG00000147454.14	509.0096	0.126718	0.199513	0.635138	0.525338	0.924186
8135	ENSG00000171310.11	161.4373	-0.199	0.313509	-0.63476	0.525585	0.924186
7517	ENSG00000166454.10	1431.976	-0.11239	0.177057	-0.63476	0.525587	0.924186
366	ENSG00000036054.13	317.1763	0.153341	0.241608	0.634671	0.525643	0.924186
5075	ENSG00000138190.17	575.3242	0.124787	0.196631	0.634625	0.525673	0.924186
3200	ENSG00000116747.13	434.2585	0.168935	0.266211	0.634589	0.525696	0.924186
9997	ENSG00000198546.15	640.4439	0.123095	0.193987	0.634553	0.52572	0.924186
10525	ENSG00000224417.2	282.4954	-0.16558	0.260965	-0.63449	0.525763	0.924186
5414	ENSG00000141668.10	248.9075	-0.16095	0.253823	-0.63412	0.526005	0.924186
10621	ENSG00000232593.7	381.4044	-0.14714	0.232057	-0.63405	0.526047	0.924186
10550	ENSG00000226067.7	388.2355	0.139317	0.219734	0.634029	0.526062	0.924186
3966	ENSG00000127184.13	3126.52	0.105376	0.166258	0.633808	0.526206	0.924186
2295	ENSG00000106333.13	218.6503	0.170597	0.269171	0.633785	0.526221	0.924186
1714	ENSG00000100918.13	7479.16	0.097473	0.153796	0.633781	0.526224	0.924186
5540	ENSG00000143322.21	646.6579	-0.11758	0.185517	-0.63377	0.526229	0.924186
3626	ENSG00000122779.18	2106.192	-0.10302	0.162547	-0.63377	0.526231	0.924186
5904	ENSG00000147536.12	447.6542	0.145454	0.229542	0.63367	0.526296	0.924186
11016	ENSG00000260412.1	193.9151	-0.17065	0.269299	-0.63367	0.526298	0.924186
6062	ENSG00000149716.13	369.3819	-0.14438	0.227874	-0.63359	0.526349	0.924186
9043	ENSG00000182287.15	725.085	0.118978	0.187812	0.633496	0.52641	0.924186
5813	ENSG00000146223.16	3292.326	-0.09786	0.154503	-0.63336	0.526501	0.924186
2162	ENSG00000105255.11	635.4469	-0.12306	0.194378	-0.63308	0.526679	0.924186
1651	ENSG00000100505.13	378.4191	-0.14382	0.227201	-0.633	0.526732	0.924186
962	ENSG00000076356.7	6781.623	-0.10208	0.161264	-0.63299	0.526739	0.924186
5222	ENSG00000139645.10	6694.004	0.104251	0.164698	0.632984	0.526744	0.924186
10353	ENSG00000213533.13	319.6546	-0.16304	0.257582	-0.63295	0.526768	0.924186
4722	ENSG00000135452.10	428.7726	-0.13299	0.210119	-0.63291	0.526794	0.924186
4715	ENSG00000135414.10	1345.911	0.105156	0.166179	0.632787	0.526873	0.924186
7162	ENSG00000164038.16	251.0045	-0.16276	0.257242	-0.63271	0.526922	0.924186
7384	ENSG00000165556.10	305.5196	-0.15661	0.247598	-0.63251	0.527056	0.924186
4869	ENSG00000136636.13	1438.706	-0.11135	0.17606	-0.63247	0.527079	0.924186
7266	ENSG00000164649.20	472.0452	-0.13628	0.215504	-0.6324	0.527126	0.924186
466	ENSG00000050130.18	624.0811	-0.13777	0.217904	-0.63227	0.527209	0.924186
7541	ENSG00000166619.15	3001.927	-0.10689	0.169058	-0.63225	0.527225	0.924186
10644	ENSG00000234545.8	876.9458	0.122186	0.193426	0.631693	0.527588	0.924679
6675	ENSG00000159377.11	4416.462	0.095867	0.151824	0.631432	0.527758	0.92479
813	ENSG00000070831.17	3281.609	0.131861	0.208856	0.631348	0.527813	0.92479

8040	ENSG00000170522.10	1037.066	0.149616	0.237086	0.631062	0.528	0.924934
5694	ENSG00000144674.16	2499.169	-0.10569	0.167502	-0.63097	0.528058	0.924934
7986	ENSG00000170017.12	1543.429	-0.11434	0.181294	-0.63072	0.528227	0.925087
5755	ENSG00000145414.9	168.0453	-0.17534	0.278181	-0.63032	0.528482	0.92538
7054	ENSG00000163512.14	661.3232	0.140762	0.223441	0.629974	0.528712	0.92538
10770	ENSG00000242616.4	866.796	0.119887	0.19031	0.629956	0.528723	0.92538
9826	ENSG00000197226.12	5737.818	0.092699	0.14716	0.629918	0.528748	0.92538
3709	ENSG00000124145.6	237.9906	0.15547	0.246935	0.629601	0.528955	0.92538
6128	ENSG00000151276.23	579.4726	-0.13606	0.216149	-0.62949	0.52903	0.92538
8170	ENSG00000171606.18	478.5632	-0.12591	0.200058	-0.62934	0.529123	0.92538
3234	ENSG00000117139.18	2099.555	-0.10851	0.172423	-0.62933	0.529136	0.92538
7549	ENSG00000166734.20	1843.746	0.11099	0.176368	0.629311	0.529145	0.92538
8839	ENSG00000179240.12	401.6363	-0.14047	0.223395	-0.62879	0.529485	0.92538
9365	ENSG00000185561.10	202.3008	0.171108	0.272167	0.628687	0.529554	0.92538
2130	ENSG00000104973.19	8137.415	0.107176	0.170484	0.628657	0.529574	0.92538
9171	ENSG00000183682.8	412.3055	0.144946	0.230654	0.628411	0.529735	0.92538
8865	ENSG00000179604.10	1696.569	0.106847	0.170034	0.628385	0.529752	0.92538
11345	ENSG00000284776.1	269.7337	0.161913	0.257764	0.628144	0.529909	0.92538
806	ENSG00000070718.12	721.8511	-0.11948	0.190281	-0.62794	0.530045	0.92538
227	ENSG00000013016.16	184.6107	-0.17425	0.277521	-0.62786	0.530094	0.92538
2865	ENSG00000113108.19	680.6843	0.139334	0.221931	0.627827	0.530117	0.92538
7554	ENSG00000166788.10	293.461	0.15826	0.25211	0.627741	0.530174	0.92538
1437	ENSG00000095139.14	4374.479	-0.09385	0.149543	-0.62761	0.530261	0.92538
552	ENSG00000058673.16	3038.248	-0.09784	0.155941	-0.62744	0.530371	0.92538
2205	ENSG00000105556.11	909.6296	0.131201	0.209162	0.627268	0.530484	0.92538
8589	ENSG00000176171.11	1280.481	-0.11005	0.175562	-0.62682	0.530774	0.92538
4988	ENSG00000137486.17	1003.151	0.136812	0.218264	0.62682	0.530777	0.92538
663	ENSG00000065621.15	229.9719	-0.17427	0.278043	-0.62677	0.530811	0.92538
1257	ENSG00000088038.19	3097.818	0.108328	0.172868	0.626653	0.530887	0.92538
6906	ENSG00000162378.13	581.2998	-0.1417	0.22613	-0.62664	0.530894	0.92538
5637	ENSG00000144029.12	946.8578	-0.11875	0.189559	-0.62647	0.531006	0.92538
6877	ENSG00000162063.13	2677.842	0.115802	0.184892	0.626321	0.531104	0.92538
5923	ENSG00000147813.16	259.233	0.166242	0.265432	0.626308	0.531113	0.92538
11199	ENSG00000273344.1	577.4738	-0.12172	0.194366	-0.62622	0.53117	0.92538
6641	ENSG00000158985.13	1090.639	0.134967	0.215729	0.625631	0.531557	0.92538
6156	ENSG00000151612.18	1171.207	-0.10417	0.166544	-0.62549	0.53165	0.92538
10314	ENSG00000212694.8	524.3918	-0.12647	0.20222	-0.62541	0.531699	0.92538
10293	ENSG00000205937.12	5891.389	-0.09068	0.145003	-0.62535	0.531741	0.92538
4513	ENSG00000133424.21	1092.325	-0.1073	0.171625	-0.62522	0.531828	0.92538
7175	ENSG00000164074.15	342.2424	-0.14592	0.233393	-0.62519	0.531843	0.92538
1287	ENSG00000088986.11	2340.896	0.100879	0.161367	0.625155	0.531869	0.92538
2100	ENSG00000104812.15	1422.428	0.117937	0.188706	0.624979	0.531985	0.92538
2257	ENSG00000105887.11	3514.865	-0.11061	0.17704	-0.62478	0.532118	0.92538
8143	ENSG00000171421.13	404.6248	0.15042	0.24077	0.624748	0.532136	0.92538
10571	ENSG00000227877.7	156.4057	0.207832	0.332731	0.624626	0.532217	0.92538
7675	ENSG00000167635.11	1603.123	-0.10233	0.163855	-0.62454	0.532276	0.92538
10359	ENSG00000213599.10	184.6848	0.18095	0.289833	0.624325	0.532414	0.92538
9497	ENSG00000187243.16	3217.714	-0.09836	0.157568	-0.62427	0.532453	0.92538
3146	ENSG00000116198.14	1175.512	-0.1106	0.177163	-0.62426	0.532456	0.92538
5232	ENSG00000139734.19	350.7998	0.143127	0.229295	0.624206	0.532493	0.92538
9739	ENSG00000196646.12	177.1241	-0.172	0.275626	-0.62403	0.532607	0.92538
8316	ENSG00000173193.15	195.0159	-0.16961	0.271846	-0.62393	0.532671	0.92538

11274	ENSG00000278053.5	648.8842	-0.12379	0.198443	-0.62383	0.532742	0.92538
1436	ENSG00000095066.11	2829.223	-0.10705	0.171669	-0.62356	0.532917	0.92538
3723	ENSG00000124209.4	1507.497	-0.10004	0.160481	-0.62341	0.533018	0.92538
10233	ENSG00000204946.10	511.2702	-0.12322	0.197683	-0.62335	0.533057	0.92538
1928	ENSG00000102984.15	658.3373	-0.11522	0.184845	-0.62334	0.533062	0.92538
2166	ENSG00000105287.12	1366.526	0.111715	0.179253	0.623225	0.533137	0.92538
4935	ENSG00000137073.23	1987.221	-0.11024	0.176902	-0.62317	0.533175	0.92538
5237	ENSG00000139842.15	1675.595	-0.10091	0.161936	-0.62314	0.533194	0.92538
8534	ENSG00000175467.15	2354.149	0.127891	0.205241	0.623125	0.533203	0.92538
5492	ENSG00000142856.17	398.5511	0.147629	0.236925	0.623103	0.533217	0.92538
6193	ENSG00000152133.16	387.3367	0.138423	0.222186	0.623005	0.533281	0.92538
1351	ENSG00000090674.16	2194.139	0.117775	0.189112	0.622777	0.533431	0.92538
5507	ENSG00000143067.5	573.1204	-0.1221	0.196063	-0.62278	0.533432	0.92538
2184	ENSG00000105401.9	2520.686	-0.10269	0.164931	-0.62263	0.533528	0.925405
1769	ENSG00000101294.18	9196.022	0.090246	0.144978	0.62248	0.533626	0.925434
5496	ENSG00000142892.15	711.5061	0.138389	0.222375	0.622321	0.533731	0.925436
635	ENSG00000064999.15	1389.883	-0.11183	0.179764	-0.62207	0.533897	0.925436
3057	ENSG00000115368.10	436.4758	0.131581	0.211547	0.621993	0.533946	0.925436
8838	ENSG00000179222.18	9609.616	0.101879	0.163815	0.621917	0.533996	0.925436
6263	ENSG00000153147.6	3017.198	0.0953	0.153249	0.621861	0.534033	0.925436
9323	ENSG00000185215.11	160.0463	0.235817	0.37935	0.621634	0.534182	0.925553
6775	ENSG00000160613.14	2381.285	-0.10835	0.174339	-0.6215	0.534269	0.925562
9298	ENSG00000185008.17	2232.417	-0.09709	0.156265	-0.62129	0.534407	0.925661
3753	ENSG00000124570.21	939.2862	0.110996	0.178756	0.620933	0.534644	0.925868
4179	ENSG00000130312.6	712.3399	0.125748	0.202537	0.620863	0.53469	0.925868
8012	ENSG00000170275.15	1103.839	-0.11206	0.18055	-0.62065	0.534831	0.925972
6718	ENSG00000160094.15	709.0811	0.115823	0.186862	0.619831	0.535369	0.926763
3933	ENSG00000126698.11	2072.181	0.100588	0.162379	0.619466	0.53561	0.927027
9931	ENSG00000198053.12	364.545	-0.13905	0.224607	-0.61907	0.535873	0.927027
1836	ENSG00000101935.10	239.6169	-0.15391	0.248636	-0.61903	0.535894	0.927027
3972	ENSG00000127337.7	505.4925	0.133814	0.216249	0.618795	0.536052	0.927027
3213	ENSG00000116874.12	261.6958	0.154485	0.249684	0.618723	0.536099	0.927027
1595	ENSG00000100296.13	943.0662	-0.11411	0.184445	-0.61868	0.53613	0.927027
5648	ENSG00000144136.11	1616.055	-0.09924	0.160442	-0.61851	0.536238	0.927027
1176	ENSG00000085377.15	723.7994	0.117041	0.189288	0.618322	0.536363	0.927027
10899	ENSG00000253738.2	696.6735	0.113631	0.183836	0.618112	0.536501	0.927027
9752	ENSG00000196705.8	282.4182	0.166699	0.269724	0.618036	0.536552	0.927027
11086	ENSG00000266028.7	563.2689	-0.12269	0.198553	-0.61793	0.536621	0.927027
3739	ENSG00000124380.11	521.1963	0.12484	0.202061	0.617833	0.536686	0.927027
3855	ENSG00000125827.9	3737.556	-0.1136	0.18389	-0.61779	0.536717	0.927027
11366	ENSG00000285865.1	198.3923	-0.16366	0.26496	-0.61766	0.536798	0.927027
5370	ENSG00000141385.10	2020.506	-0.09768	0.158181	-0.61754	0.53688	0.927027
427	ENSG00000047315.17	2339.369	0.101464	0.164322	0.617468	0.536926	0.927027
702	ENSG00000066933.16	423.1825	-0.16265	0.263444	-0.61738	0.536982	0.927027
5647	ENSG00000144134.18	269.6571	-0.14604	0.236548	-0.61738	0.536987	0.927027
10117	ENSG00000198952.8	8532.951	-0.09553	0.15481	-0.61706	0.537196	0.927248
1377	ENSG00000091483.7	1422.799	0.106986	0.173447	0.616823	0.537351	0.927375
4534	ENSG00000133739.16	183.3621	0.167277	0.271444	0.616246	0.537732	0.927535
9981	ENSG00000198408.14	2057.068	-0.09913	0.16087	-0.6162	0.53776	0.927535
5611	ENSG00000143793.13	539.0133	0.124132	0.201463	0.616153	0.537794	0.927535
7182	ENSG00000164088.18	404.1698	-0.13292	0.21575	-0.6161	0.537829	0.927535
11278	ENSG00000278212.2	160.5866	0.191428	0.310726	0.616066	0.537851	0.927535

6447	ENSG00000156256.15	818.6574	0.110354	0.179226	0.615723	0.538077	0.927549
9830	ENSG00000197275.14	171.007	0.179356	0.291328	0.615651	0.538125	0.927549
811	ENSG00000070785.17	380.9603	-0.13188	0.214229	-0.6156	0.538161	0.927549
9173	ENSG00000183688.4	1277.777	-0.10978	0.178336	-0.61556	0.538185	0.927549
10754	ENSG00000241945.8	522.0621	0.124265	0.202003	0.615163	0.538447	0.927626
7085	ENSG00000163655.16	2195.959	-0.09446	0.153577	-0.61504	0.53853	0.927626
7696	ENSG00000167740.10	771.2425	-0.11407	0.185474	-0.61503	0.538538	0.927626
9853	ENSG00000197451.12	5334.092	-0.0922	0.14992	-0.615	0.538556	0.927626
8909	ENSG00000180329.14	405.1133	0.130782	0.212799	0.614581	0.538832	0.927961
1330	ENSG00000090054.15	1353.52	-0.11385	0.185312	-0.61438	0.538966	0.927977
3426	ENSG00000119720.18	683.5238	-0.11528	0.187653	-0.61432	0.539004	0.927977
4314	ENSG00000131467.11	3823.205	-0.09608	0.156454	-0.61413	0.539126	0.928047
7038	ENSG00000163430.12	188.1904	0.258432	0.421063	0.613761	0.539373	0.928332
5475	ENSG00000142655.13	811.1785	0.108773	0.177365	0.613275	0.539694	0.928744
9150	ENSG00000183486.13	488.0673	-0.1265	0.206665	-0.61212	0.540455	0.929913
5601	ENSG00000143740.14	788.2213	-0.11034	0.180377	-0.61171	0.540731	0.930247
2872	ENSG00000113209.9	191.5025	0.206654	0.33816	0.611113	0.541125	0.930472
363	ENSG00000035687.10	362.34	0.131641	0.215497	0.610875	0.541283	0.930472
5450	ENSG00000142197.12	652.0474	0.122093	0.199887	0.610809	0.541326	0.930472
1194	ENSG00000085840.13	435.1698	-0.13116	0.214767	-0.61071	0.541391	0.930472
1972	ENSG00000103257.9	3388.993	0.106973	0.175161	0.610709	0.541392	0.930472
3056	ENSG00000115365.12	566.9145	-0.13739	0.224994	-0.61062	0.541451	0.930472
6239	ENSG00000152804.11	265.4475	-0.25223	0.413132	-0.61052	0.541514	0.930472
71	ENSG00000005471.18	170.9917	0.202917	0.332385	0.610488	0.541538	0.930472
1153	ENSG00000084234.17	10413.13	-0.09423	0.154421	-0.6102	0.541732	0.930472
11107	ENSG00000267640.6	224.2953	-0.16324	0.267568	-0.61009	0.541802	0.930472
10057	ENSG00000198805.12	464.3349	-0.13704	0.22471	-0.60985	0.541963	0.930472
9117	ENSG00000183049.13	331.8814	-0.13988	0.229392	-0.60979	0.542002	0.930472
9184	ENSG00000183763.9	330.3693	-0.14216	0.233241	-0.60951	0.542186	0.930472
4129	ENSG00000129625.13	1592.488	0.10756	0.17648	0.609475	0.54221	0.930472
4031	ENSG00000128268.12	2862.17	0.097118	0.159362	0.609417	0.542248	0.930472
6224	ENSG00000152558.15	876.8456	0.122003	0.20022	0.609343	0.542297	0.930472
5386	ENSG00000141510.18	839.832	-0.11016	0.180808	-0.60925	0.54236	0.930472
4365	ENSG00000132024.17	4216.004	0.10081	0.165478	0.609209	0.542386	0.930472
10548	ENSG00000225921.7	1181.267	0.104432	0.171451	0.609104	0.542455	0.930472
5108	ENSG00000138495.6	950.3085	0.104958	0.172333	0.609043	0.542496	0.930472
11267	ENSG00000277443.3	7172.61	0.092962	0.152712	0.608743	0.542695	0.930496
9075	ENSG00000182674.6	554.9519	-0.11799	0.193878	-0.60856	0.542816	0.930496
5527	ENSG00000143207.21	704.1641	0.116449	0.191372	0.608498	0.542857	0.930496
2698	ENSG00000111331.13	1171.221	-0.11089	0.182274	-0.6084	0.542925	0.930496
10891	ENSG00000253313.6	1146.774	0.105698	0.173753	0.608322	0.542974	0.930496
8376	ENSG00000173812.11	12702.62	0.09321	0.153235	0.608282	0.543	0.930496
4049	ENSG00000128581.17	1080.251	-0.1052	0.173201	-0.60739	0.54359	0.930989
9932	ENSG00000198054.12	386.9571	0.144847	0.238506	0.607307	0.543647	0.930989
559	ENSG00000059573.9	1603.312	-0.11486	0.189141	-0.60726	0.54368	0.930989
7856	ENSG00000168944.17	292.0982	0.153694	0.253141	0.607148	0.543753	0.930989
10274	ENSG00000205581.11	7492.678	0.089224	0.146957	0.607142	0.543757	0.930989
6031	ENSG00000149308.17	422.352	-0.12775	0.210425	-0.60711	0.543779	0.930989
10815	ENSG00000245293.3	171.9312	-0.17007	0.280295	-0.60676	0.544007	0.931143
10461	ENSG00000215861.6	589.3513	-0.1151	0.189758	-0.60657	0.544137	0.931143
2334	ENSG00000106638.17	930.0826	-0.1195	0.197056	-0.60644	0.544222	0.931143
6864	ENSG00000161914.10	537.296	0.121882	0.200984	0.606429	0.54423	0.931143

6288	ENSG00000153786.13	1055.47	-0.10448	0.172366	-0.60614	0.544422	0.931143
54	ENSG00000005022.6	7439.455	0.102866	0.169713	0.606117	0.544437	0.931143
4954	ENSG00000137185.13	194.3725	0.165026	0.272317	0.606008	0.544509	0.931143
7042	ENSG00000163462.18	786.1375	0.141333	0.233227	0.605988	0.544523	0.931143
4814	ENSG00000136144.12	871.6167	-0.11508	0.189994	-0.60568	0.544725	0.931348
1543	ENSG00000100056.12	1054.511	-0.10377	0.171399	-0.60544	0.544885	0.931482
6444	ENSG00000156232.7	482.6322	0.120652	0.199346	0.60524	0.54502	0.931511
4589	ENSG00000134278.15	437.1405	-0.12517	0.206878	-0.60506	0.54514	0.931511
8421	ENSG00000174327.7	505.3426	0.127259	0.210328	0.605048	0.545147	0.931511
9868	ENSG00000197601.13	1852.709	0.118854	0.196491	0.604881	0.545258	0.931519
10767	ENSG00000242498.8	534.5512	-0.13994	0.231394	-0.60477	0.545329	0.931519
2591	ENSG00000109881.17	498.5445	0.129444	0.214181	0.604369	0.545598	0.931519
7256	ENSG00000164588.8	164.3828	-0.21839	0.36152	-0.6041	0.545779	0.931519
6300	ENSG00000153936.17	937.1003	0.125628	0.207981	0.604037	0.545819	0.931519
4409	ENSG00000132485.14	1605.032	-0.10189	0.168708	-0.60394	0.545881	0.931519
5530	ENSG00000143228.13	502.3869	-0.12339	0.204339	-0.60383	0.545957	0.931519
4762	ENSG00000135775.14	479.2532	-0.13607	0.22538	-0.60374	0.546018	0.931519
1845	ENSG00000102024.18	727.2554	0.137832	0.228399	0.603468	0.546198	0.931519
8014	ENSG00000170293.9	1152.313	0.109016	0.180709	0.603269	0.54633	0.931519
8928	ENSG00000180694.14	374.9219	0.143423	0.23787	0.602946	0.546545	0.931519
8182	ENSG00000171735.19	787.4951	0.109626	0.181841	0.602868	0.546596	0.931519
3561	ENSG00000121749.15	693.4156	0.115639	0.191824	0.602841	0.546614	0.931519
906	ENSG00000074621.14	221.4558	-0.15612	0.259005	-0.60279	0.546652	0.931519
11303	ENSG00000279561.2	261.5401	-0.15316	0.254099	-0.60277	0.546663	0.931519
206	ENSG00000011426.11	949.8272	0.106721	0.177203	0.602253	0.547006	0.931519
2427	ENSG00000107938.18	287.3668	-0.14121	0.234507	-0.60214	0.547079	0.931519
9149	ENSG00000183475.13	187.494	-0.16839	0.279644	-0.60214	0.547079	0.931519
6318	ENSG00000154174.8	1425.345	0.110182	0.183012	0.602048	0.547142	0.931519
8176	ENSG00000171681.12	979.3068	-0.10738	0.178395	-0.60193	0.547222	0.931519
8272	ENSG00000172732.12	1536.078	-0.10803	0.179474	-0.60192	0.547224	0.931519
381	ENSG00000038219.13	1893.495	-0.095	0.157882	-0.60174	0.547344	0.931519
8947	ENSG00000180964.17	875.3795	0.134229	0.223115	0.601612	0.547432	0.931519
5251	ENSG00000140092.14	244.3183	0.15702	0.261005	0.601598	0.547442	0.931519
9714	ENSG00000196497.17	1302.553	0.10311	0.171402	0.601566	0.547463	0.931519
11157	ENSG00000271601.4	661.527	-0.11319	0.188156	-0.60156	0.54747	0.931519
8522	ENSG00000175324.10	482.6943	0.120313	0.200018	0.60151	0.5475	0.931519
7221	ENSG00000164291.17	203.0166	-0.16051	0.266889	-0.6014	0.547572	0.931519
5951	ENSG00000148290.10	1322.888	0.103439	0.172002	0.601382	0.547586	0.931519
34	ENSG00000004142.12	3792.967	-0.08825	0.146765	-0.6013	0.547638	0.931519
6285	ENSG00000153721.19	362.0323	0.133104	0.221386	0.601229	0.547688	0.931519
4982	ENSG00000137413.16	608.1331	-0.12461	0.207348	-0.60097	0.547862	0.931635
11045	ENSG00000261716.2	281.411	-0.14041	0.233679	-0.60087	0.547924	0.931635
9865	ENSG00000197579.8	494.8887	-0.12785	0.21282	-0.60076	0.548002	0.931635
84	ENSG00000006025.12	625.2964	0.112059	0.186577	0.600602	0.548105	0.931672
6576	ENSG00000158079.16	223.5648	-0.16799	0.279789	-0.6004	0.54824	0.931704
9005	ENSG00000181904.9	1246.341	0.126418	0.210582	0.600328	0.548288	0.931704
3628	ENSG00000122859.5	736.6707	0.151067	0.2517	0.600188	0.548381	0.931724
1698	ENSG00000100815.12	646.1307	0.112707	0.187943	0.599686	0.548715	0.932153
6945	ENSG00000162694.14	257.286	-0.14872	0.248053	-0.59953	0.54882	0.932168
4877	ENSG00000136717.15	2162.312	-0.09917	0.165444	-0.59943	0.548888	0.932168
9384	ENSG00000185736.16	199.8242	-0.22359	0.373101	-0.59928	0.548985	0.932194
8821	ENSG00000179021.10	301.868	-0.15387	0.256938	-0.59885	0.549272	0.932242

6455	ENSG00000156374.16	358.7777	0.131877	0.220261	0.598732	0.549351	0.932242
4951	ENSG00000137168.8	684.8886	0.1247	0.20832	0.598598	0.549441	0.932242
2417	ENSG00000107863.18	429.3611	-0.13149	0.219691	-0.5985	0.549503	0.932242
984	ENSG00000077232.18	1900.362	-0.09616	0.160679	-0.59846	0.54953	0.932242
3451	ENSG00000119946.11	1228.63	-0.1094	0.182885	-0.59817	0.54973	0.932242
5406	ENSG00000141582.15	1985.697	0.093299	0.155997	0.598081	0.549786	0.932242
1792	ENSG00000101442.10	497.4772	-0.12068	0.201853	-0.59784	0.549945	0.932242
4456	ENSG00000132842.14	1296.235	-0.09861	0.165035	-0.59749	0.550181	0.932242
10382	ENSG00000213918.10	1210.788	-0.11597	0.194119	-0.59743	0.550218	0.932242
2705	ENSG00000111450.14	667.3392	-0.11715	0.196099	-0.59742	0.550229	0.932242
98	ENSG00000006453.14	3044.618	-0.0951	0.159196	-0.59736	0.550266	0.932242
8665	ENSG00000177119.16	879.8698	-0.10979	0.183813	-0.59727	0.550325	0.932242
8139	ENSG00000171320.15	253.98	0.147574	0.247123	0.597167	0.550396	0.932242
11087	ENSG00000266074.9	1327.031	0.108381	0.181508	0.597116	0.55043	0.932242
2572	ENSG00000109586.12	305.1121	0.152823	0.255953	0.597075	0.550458	0.932242
6739	ENSG00000160218.13	916.0247	-0.10812	0.181085	-0.59707	0.550458	0.932242
1534	ENSG00000100023.19	1714.622	-0.09808	0.164358	-0.59676	0.550665	0.932242
4969	ENSG00000137285.10	8417.274	0.085758	0.143711	0.596739	0.550682	0.932242
6514	ENSG00000157191.20	791.9875	-0.10745	0.18016	-0.59644	0.550881	0.932242
10727	ENSG00000240694.9	4736.923	-0.10251	0.171909	-0.59628	0.550986	0.932242
3514	ENSG00000120875.9	1209.125	-0.09842	0.165051	-0.59628	0.550988	0.932242
6218	ENSG00000152484.14	593.2333	0.116127	0.194757	0.596267	0.550997	0.932242
3217	ENSG00000116918.15	414.6422	0.136622	0.229153	0.596203	0.55104	0.932242
10022	ENSG00000198692.10	455.715	0.1273	0.213529	0.596172	0.55106	0.932242
3414	ENSG00000119669.5	5236.597	-0.09159	0.153712	-0.59582	0.551292	0.932318
743	ENSG00000068323.17	3028.861	-0.0921	0.154601	-0.5957	0.551378	0.932318
7385	ENSG00000165572.8	553.6237	0.127077	0.213341	0.595653	0.551407	0.932318
6423	ENSG00000155897.10	3132.71	-0.09021	0.15145	-0.59562	0.551432	0.932318
2185	ENSG00000105402.8	4987.9	0.093098	0.156342	0.595478	0.551524	0.932334
2579	ENSG00000109689.17	665.198	-0.11777	0.19794	-0.595	0.551845	0.932693
78	ENSG00000005882.12	659.644	-0.13075	0.219794	-0.59487	0.551928	0.932693
11170	ENSG00000272398.6	12649.12	0.09485	0.159468	0.594793	0.551982	0.932693
6484	ENSG00000156795.8	258.8762	-0.16138	0.271583	-0.59422	0.552368	0.933207
303	ENSG00000023909.10	1244.115	-0.09736	0.163974	-0.59377	0.552665	0.933346
11026	ENSG00000260903.3	3478.208	-0.0962	0.162078	-0.59352	0.552835	0.933346
10693	ENSG00000237686.7	214.3646	-0.15625	0.263272	-0.5935	0.552848	0.933346
5199	ENSG00000139433.11	510.0594	-0.12075	0.203448	-0.59349	0.552851	0.933346
10761	ENSG00000242247.11	1292.97	0.11376	0.191683	0.59348	0.55286	0.933346
5534	ENSG00000143294.15	3919.42	0.088699	0.149574	0.593011	0.553174	0.933737
1324	ENSG00000089876.12	296.9772	-0.14025	0.236754	-0.5924	0.55358	0.934106
802	ENSG00000070540.13	331.5858	-0.1317	0.22239	-0.5922	0.553714	0.934106
9561	ENSG00000188313.13	562.9999	-0.12297	0.207717	-0.592	0.553854	0.934106
6071	ENSG00000149923.14	2643.359	0.092498	0.156301	0.591794	0.553988	0.934106
4870	ENSG00000136643.12	333.3213	-0.13147	0.222174	-0.59176	0.554009	0.934106
5018	ENSG00000137807.15	599.5661	-0.11154	0.188503	-0.59172	0.554039	0.934106
3508	ENSG00000120802.14	2384.189	0.112295	0.189814	0.591607	0.554114	0.934106
9516	ENSG00000187630.17	540.9229	0.129529	0.218965	0.59155	0.554152	0.934106
11063	ENSG00000263244.2	628.7805	1.360741	2.300823	0.591415	0.554242	0.934106
1762	ENSG00000101224.17	6526.63	0.091594	0.15493	0.591195	0.55439	0.934106
790	ENSG00000070214.16	1808.454	-0.11221	0.189813	-0.59114	0.554428	0.934106
5316	ENSG00000140718.21	1094.601	-0.11059	0.187092	-0.5911	0.554454	0.934106
5581	ENSG00000143553.11	660.714	0.113157	0.191444	0.591069	0.554474	0.934106

814	ENSG00000070950.10	374.6264	-0.13407	0.226872	-0.59097	0.554541	0.934106
1839	ENSG00000101966.13	960.0104	-0.12171	0.206105	-0.59054	0.55483	0.934251
6564	ENSG00000157890.17	171.8294	0.167531	0.283716	0.590487	0.554864	0.934251
3656	ENSG00000123200.16	2463.377	0.091447	0.154892	0.59039	0.554929	0.934251
5323	ENSG00000140836.17	1808.787	0.104293	0.176662	0.590352	0.554955	0.934251
51	ENSG00000005001.10	623.4247	0.128977	0.218524	0.590218	0.555045	0.934264
8030	ENSG00000170445.16	1658.811	-0.10354	0.175496	-0.59001	0.555185	0.934362
4010	ENSG00000127955.17	1501.076	0.095019	0.16112	0.589739	0.555366	0.934393
8755	ENSG00000178105.11	387.375	-0.12518	0.21232	-0.58957	0.555479	0.934393
10157	ENSG00000204186.10	768.7711	-0.12347	0.209446	-0.5895	0.555523	0.934393
4559	ENSG00000134030.14	1480.638	-0.09516	0.16148	-0.58927	0.555679	0.934393
1156	ENSG00000084623.11	2368.434	0.114462	0.194265	0.589208	0.555722	0.934393
9554	ENSG00000188215.10	613.9081	-0.12815	0.217512	-0.58918	0.555739	0.934393
5594	ENSG00000143641.10	1660.526	-0.09538	0.161907	-0.58912	0.555778	0.934393
8283	ENSG00000172831.14	1694.856	0.096999	0.164799	0.588592	0.556135	0.934442
10832	ENSG00000247400.4	213.5334	-0.15594	0.264947	-0.58859	0.556138	0.934442
5751	ENSG00000145386.11	1046.625	0.106109	0.180286	0.588561	0.556156	0.934442
8570	ENSG00000175931.13	2127.49	-0.10112	0.171853	-0.58844	0.556239	0.934442
5889	ENSG00000147383.11	1024.101	-0.10272	0.17458	-0.58841	0.556258	0.934442
1840	ENSG00000101972.19	1555.007	0.103294	0.175693	0.587925	0.556582	0.934442
7067	ENSG00000163577.8	280.6886	-0.14721	0.250462	-0.58776	0.556692	0.934442
7572	ENSG00000166897.16	172.5641	0.1786	0.303906	0.587682	0.556746	0.934442
405	ENSG00000042088.14	365.1375	-0.12906	0.219614	-0.58767	0.556754	0.934442
10285	ENSG00000205746.9	1434.198	-0.10783	0.183506	-0.58762	0.556786	0.934442
10962	ENSG00000257621.8	1033.841	-0.1011	0.172044	-0.58761	0.556792	0.934442
8748	ENSG00000178035.12	2505.433	-0.08963	0.152541	-0.5876	0.556798	0.934442
7525	ENSG00000166503.9	2299.08	-0.09417	0.160321	-0.58739	0.556941	0.934442
11333	ENSG00000283196.2	306.7278	0.145707	0.248148	0.587176	0.557085	0.934442
1470	ENSG00000096872.16	200.6574	-0.15862	0.270142	-0.58716	0.557094	0.934442
9864	ENSG00000197563.11	275.3933	-0.14028	0.238931	-0.58712	0.55712	0.934442
8579	ENSG00000176087.15	5554.844	0.094785	0.161517	0.586844	0.557308	0.93462
7070	ENSG00000163597.15	1513.818	-0.09487	0.161703	-0.5867	0.557403	0.934642
2016	ENSG00000103723.16	1800.623	-0.10721	0.182837	-0.58637	0.557626	0.934878
10897	ENSG00000253719.4	3399.901	-0.10141	0.173106	-0.5858	0.558011	0.935359
8752	ENSG00000178078.12	748.4968	0.107087	0.182836	0.585699	0.558077	0.935359
9443	ENSG00000186469.8	1411.743	-0.10535	0.179912	-0.58554	0.558184	0.9354
3820	ENSG00000125618.17	186.9	0.171787	0.293475	0.585356	0.558308	0.93547
6359	ENSG00000154822.18	962.8936	-0.10386	0.177509	-0.58509	0.558487	0.935537
2085	ENSG00000104671.8	380.3169	0.130221	0.22259	0.585024	0.558532	0.935537
6045	ENSG00000149503.13	1179.862	-0.09725	0.166261	-0.58493	0.558595	0.935537
7299	ENSG00000164929.17	221.7666	-0.16903	0.289064	-0.58473	0.558726	0.93562
5368	ENSG00000141378.15	335.5533	0.135906	0.232511	0.584517	0.558873	0.935712
1235	ENSG00000087206.17	540.9423	-0.11556	0.197781	-0.58429	0.559025	0.935712
9666	ENSG00000196227.11	445.9309	0.138959	0.237827	0.584287	0.559028	0.935712
5362	ENSG00000141279.16	2697.127	-0.09279	0.158845	-0.58414	0.559126	0.935738
5044	ENSG00000138002.16	331.3263	-0.136	0.232945	-0.58384	0.559331	0.935944
9780	ENSG00000196937.11	2339.759	0.091581	0.156917	0.583627	0.559471	0.936042
10302	ENSG00000206527.10	1646.336	-0.09867	0.169161	-0.58332	0.55968	0.936117
6730	ENSG00000160199.15	845.8884	-0.10762	0.184494	-0.58332	0.559681	0.936117
8481	ENSG00000174951.11	284.7575	0.137811	0.236514	0.582675	0.560112	0.936299
7785	ENSG00000168374.11	2595.4	-0.08974	0.154016	-0.58267	0.560112	0.936299
1081	ENSG00000081059.20	167.3962	0.198426	0.340576	0.582619	0.56015	0.936299

4829	ENSG00000136243.17	329.1929	-0.13048	0.22397	-0.58256	0.560189	0.936299
82	ENSG00000006007.12	2059.521	-0.1005	0.172527	-0.58254	0.560206	0.936299
10253	ENSG00000205268.11	545.3788	-0.12291	0.211039	-0.5824	0.560298	0.936299
1916	ENSG00000102900.13	948.6578	-0.10239	0.175855	-0.58225	0.560398	0.936299
7168	ENSG00000164053.21	758.2747	-0.11683	0.200738	-0.58202	0.560556	0.936299
10437	ENSG00000215041.10	1854.467	0.102199	0.17562	0.581931	0.560613	0.936299
4358	ENSG00000131979.20	2279.76	-0.09916	0.170411	-0.5819	0.560632	0.936299
5017	ENSG00000137804.14	1400.852	-0.0938	0.161222	-0.58181	0.560695	0.936299
1310	ENSG00000089289.16	670.5735	0.117656	0.202296	0.581604	0.560834	0.936299
3404	ENSG00000119596.18	3718.932	0.1124	0.193272	0.581567	0.560858	0.936299
9229	ENSG00000184221.13	321.5692	0.14883	0.256012	0.581342	0.56101	0.936415
2775	ENSG00000112096.19	1176.272	-0.09927	0.170794	-0.5812	0.561103	0.936433
8304	ENSG00000173065.13	1560.445	0.098138	0.168955	0.580854	0.561339	0.936625
6035	ENSG00000149346.15	324.9092	-0.13909	0.239483	-0.58079	0.561383	0.936625
2475	ENSG00000108474.17	198.1207	-0.15266	0.262938	-0.5806	0.561508	0.936697
10723	ENSG00000240370.6	204.9867	-0.15101	0.260185	-0.58038	0.56166	0.936812
4666	ENSG00000134996.12	444.7814	0.118336	0.204051	0.579934	0.561959	0.937146
5638	ENSG00000144031.12	280.4917	0.137634	0.237596	0.579276	0.562403	0.937146
5868	ENSG00000147119.4	238.9966	0.144327	0.249155	0.579267	0.562409	0.937146
8245	ENSG00000172380.6	1153.06	-0.11791	0.203597	-0.57914	0.562497	0.937146
2970	ENSG00000114480.13	426.9748	-0.12212	0.210873	-0.57913	0.562499	0.937146
7250	ENSG00000164535.15	368.9152	-0.12796	0.220958	-0.57911	0.562518	0.937146
6124	ENSG00000151233.11	560.1294	0.122721	0.211988	0.578903	0.562655	0.937146
6735	ENSG00000160211.19	2029.414	0.10078	0.174113	0.578822	0.56271	0.937146
8184	ENSG00000171792.11	986.3325	-0.09995	0.172774	-0.57849	0.562934	0.937146
10512	ENSG00000223773.7	306.4244	0.140903	0.243642	0.578319	0.563049	0.937146
4765	ENSG00000135801.9	429.2661	-0.12353	0.213623	-0.57827	0.563081	0.937146
859	ENSG00000072518.20	3863.215	0.094552	0.163546	0.578135	0.563173	0.937146
11155	ENSG00000271380.1	202.2997	0.156134	0.270065	0.578133	0.563174	0.937146
6229	ENSG00000152642.11	597.9756	-0.11629	0.201229	-0.57789	0.563338	0.937146
10121	ENSG00000198964.14	286.0204	0.143466	0.248305	0.577781	0.563412	0.937146
9096	ENSG00000182901.17	336.5714	0.135584	0.234668	0.577767	0.563422	0.937146
7783	ENSG00000168310.11	322.0406	-0.13332	0.230765	-0.57773	0.56345	0.937146
939	ENSG00000075568.17	3416.428	0.093976	0.162699	0.577605	0.563531	0.937146
2034	ENSG00000104129.10	210.435	-0.15064	0.260823	-0.57756	0.563562	0.937146
4150	ENSG00000130023.16	199.5857	-0.16128	0.279253	-0.57756	0.563563	0.937146
9058	ENSG00000182504.11	376.1193	-0.13828	0.23944	-0.57752	0.563588	0.937146
2680	ENSG00000111196.10	267.6218	0.139282	0.241284	0.577255	0.563767	0.937308
2810	ENSG00000112367.12	447.1657	-0.11852	0.205364	-0.57711	0.563864	0.937332
1987	ENSG00000103381.12	616.5842	-0.11006	0.190778	-0.57692	0.563995	0.937382
6973	ENSG00000162889.11	3301.262	0.086286	0.149618	0.576709	0.564136	0.937382
3777	ENSG00000124802.12	481.4232	0.12401	0.215119	0.576474	0.564295	0.937382
349	ENSG00000033327.13	786.7349	-0.10465	0.18161	-0.57624	0.564451	0.937382
7120	ENSG00000163866.9	966.8779	0.098739	0.171455	0.575892	0.564688	0.937382
1236	ENSG00000087245.13	1223.527	0.097796	0.169841	0.57581	0.564744	0.937382
3436	ENSG00000119801.13	1040.952	-0.10808	0.187718	-0.57574	0.564792	0.937382
794	ENSG00000070371.16	439.7864	-0.12118	0.210501	-0.57566	0.564842	0.937382
4955	ENSG00000137193.14	957.7883	-0.10087	0.17523	-0.57563	0.564864	0.937382
10504	ENSG00000223482.8	334.4508	0.127476	0.221477	0.575572	0.564905	0.937382
3529	ENSG00000121058.5	522.1991	0.119247	0.20719	0.575544	0.564923	0.937382
11341	ENSG00000284691.1	404.9162	0.129147	0.224395	0.575534	0.56493	0.937382
3351	ENSG00000118873.16	722.7827	0.11211	0.19481	0.575483	0.564965	0.937382

9652	ENSG00000196132.14	1542.149	-0.09351	0.162549	-0.57528	0.565105	0.937416
2551	ENSG00000109220.11	433.6053	0.122061	0.212203	0.575209	0.56515	0.937416
4509	ENSG00000133393.13	702.1314	0.110592	0.192348	0.574958	0.56532	0.937562
6680	ENSG00000159445.13	332.6521	-0.12816	0.222993	-0.57475	0.565462	0.937574
8937	ENSG00000180822.12	324.4627	0.127675	0.222198	0.574598	0.565563	0.937574
2438	ENSG00000108055.10	1720.224	0.090236	0.157046	0.574582	0.565574	0.937574
2513	ENSG00000108826.16	632.0399	0.107965	0.187966	0.574384	0.565708	0.937659
2596	ENSG00000109929.10	4170.828	-0.09301	0.162036	-0.57402	0.565952	0.9378
10797	ENSG00000244026.6	158.4932	-0.18062	0.314655	-0.57402	0.565958	0.9378
9178	ENSG00000183726.11	1376.632	0.098606	0.171936	0.573504	0.566303	0.937983
8817	ENSG00000178988.11	1946.359	-0.08891	0.155025	-0.57349	0.566314	0.937983
8332	ENSG00000173349.6	655.6936	0.10651	0.185724	0.573484	0.566317	0.937983
1742	ENSG00000101146.13	1739.544	-0.09283	0.161918	-0.57331	0.566432	0.937983
9011	ENSG00000181991.16	1140.885	-0.09973	0.174007	-0.57314	0.566552	0.937983
9006	ENSG00000181915.5	963.9165	-0.09886	0.172517	-0.57305	0.566613	0.937983
9942	ENSG00000198131.14	494.7126	-0.11947	0.208527	-0.57293	0.566695	0.937983
6651	ENSG00000159111.13	1228.126	-0.0945	0.165036	-0.57262	0.566901	0.937983
6919	ENSG00000162434.13	1940.503	-0.09404	0.164319	-0.57233	0.5671	0.937983
812	ENSG00000070814.22	2931.543	0.090761	0.158679	0.571981	0.567335	0.937983
8538	ENSG00000175548.9	212.3142	0.150998	0.264045	0.571865	0.567413	0.937983
5533	ENSG00000143258.16	1271.006	-0.11548	0.201948	-0.57181	0.567453	0.937983
9526	ENSG00000187764.11	1568.096	-0.10065	0.176031	-0.57179	0.567465	0.937983
9939	ENSG00000198105.15	496.9082	-0.11442	0.200164	-0.57163	0.567573	0.937983
3687	ENSG00000123636.18	1118.943	0.106148	0.185773	0.571386	0.567738	0.937983
1915	ENSG00000102898.12	2202.677	0.091281	0.15976	0.571365	0.567752	0.937983
2176	ENSG00000105355.9	1546.749	-0.09203	0.161074	-0.57136	0.567754	0.937983
2033	ENSG00000104112.9	12611.85	0.081076	0.141902	0.571352	0.567761	0.937983
7209	ENSG00000164199.18	628.2267	0.128665	0.22523	0.571261	0.567822	0.937983
10645	ENSG00000234608.8	303.0711	0.13016	0.227878	0.571181	0.567877	0.937983
6326	ENSG00000154309.9	244.332	-0.15365	0.26905	-0.57109	0.567936	0.937983
2392	ENSG00000107566.14	1144.306	-0.11002	0.192681	-0.57101	0.567991	0.937983
8267	ENSG00000172667.11	258.3715	0.141367	0.247599	0.570951	0.568033	0.937983
11225	ENSG00000274602.5	771.6097	-0.11299	0.197897	-0.57093	0.568045	0.937983
5004	ENSG00000137692.12	610.1917	-0.10715	0.187764	-0.57068	0.568216	0.938017
1542	ENSG00000100038.20	1047.812	-0.10832	0.189947	-0.57025	0.568511	0.938017
3575	ENSG00000121964.14	294.7341	-0.13701	0.240317	-0.57012	0.568598	0.938017
11188	ENSG00000273045.6	240.6374	-0.14199	0.249271	-0.56962	0.568932	0.938017
210	ENSG00000011485.15	3195.404	-0.08572	0.150518	-0.56948	0.569033	0.938017
4125	ENSG00000129534.14	415.7374	0.125743	0.220815	0.569449	0.569051	0.938017
9013	ENSG00000182010.11	298.2782	0.132694	0.233033	0.569421	0.569071	0.938017
7187	ENSG00000164105.4	374.3912	0.122394	0.214957	0.569389	0.569092	0.938017
727	ENSG00000067829.19	1860.014	0.098202	0.172526	0.569202	0.569219	0.938017
2971	ENSG00000114491.14	991.4013	0.097358	0.171067	0.569123	0.569273	0.938017
7725	ENSG00000167977.9	1468.882	-0.09733	0.171033	-0.56907	0.569312	0.938017
5255	ENSG00000140153.18	450.1131	-0.11555	0.203129	-0.56887	0.569446	0.938017
4009	ENSG00000127952.17	195.4884	0.155107	0.272704	0.568776	0.569508	0.938017
2661	ENSG00000110880.11	1978.925	-0.10156	0.178555	-0.56877	0.569511	0.938017
11258	ENSG00000277147.6	246.1645	0.14438	0.253863	0.568732	0.569538	0.938017
4736	ENSG00000135540.11	1355.271	-0.10164	0.178801	-0.56845	0.569729	0.938017
7988	ENSG00000170035.16	1873.604	0.091565	0.161092	0.568401	0.569762	0.938017
7271	ENSG00000164687.11	260.0683	0.138842	0.244339	0.568233	0.569877	0.938017
1483	ENSG00000099284.14	1622.364	-0.09267	0.163111	-0.56814	0.56994	0.938017

10535	ENSG00000225177.6	173.4177	-0.16607	0.292306	-0.56813	0.56995	0.938017
3653	ENSG00000123178.15	393.4913	0.137318	0.24171	0.568112	0.569959	0.938017
2070	ENSG00000104442.10	766.6747	0.136433	0.240176	0.568055	0.569998	0.938017
3944	ENSG00000126777.18	4156.434	0.084155	0.148157	0.568011	0.570028	0.938017
3521	ENSG00000120925.16	412.7266	-0.12105	0.213163	-0.56788	0.570114	0.938017
5505	ENSG00000143036.17	506.0134	0.113287	0.199496	0.567867	0.570125	0.938017
6613	ENSG00000158604.15	2416.246	-0.09357	0.164817	-0.56772	0.570225	0.938045
1867	ENSG00000102218.6	394.1786	0.127781	0.225292	0.567177	0.570594	0.938516
4584	ENSG00000134250.20	208.1298	-0.15076	0.266003	-0.56675	0.570883	0.938835
6728	ENSG00000160193.12	232.8661	-0.14622	0.258069	-0.56658	0.571002	0.938835
5188	ENSG00000139324.12	410.4968	0.14808	0.261391	0.566507	0.57105	0.938835
6274	ENSG00000153395.10	4828.159	-0.08314	0.146856	-0.56611	0.571316	0.938835
10642	ENSG00000234409.7	243.7024	0.145031	0.256306	0.565852	0.571495	0.938835
1881	ENSG00000102390.11	231.7876	-0.15057	0.266232	-0.56557	0.571686	0.938835
7363	ENSG00000165417.12	728.4336	0.127634	0.225685	0.565538	0.571708	0.938835
4652	ENSG00000134882.16	1731.04	-0.08992	0.159015	-0.56551	0.571729	0.938835
5309	ENSG00000140600.17	205.4249	-0.14881	0.263159	-0.56549	0.571741	0.938835
6180	ENSG00000151929.10	378.9559	-0.1231	0.217699	-0.56547	0.571755	0.938835
2618	ENSG00000110172.12	1027.336	0.099945	0.176786	0.565341	0.571842	0.938835
10384	ENSG00000213930.12	721.3102	-0.10238	0.181091	-0.56533	0.571849	0.938835
10283	ENSG00000205726.15	670.8519	-0.11261	0.199211	-0.56528	0.571882	0.938835
8639	ENSG00000176890.16	1924.509	0.09145	0.161803	0.565194	0.571942	0.938835
5203	ENSG00000139496.16	1163.153	-0.10725	0.189857	-0.5649	0.572143	0.938964
9082	ENSG00000182768.9	3255.569	0.086657	0.15342	0.564836	0.572185	0.938964
3642	ENSG00000123080.12	5312.941	0.081719	0.144849	0.564167	0.572641	0.939062
8234	ENSG00000172301.11	990.3489	0.09601	0.170199	0.564103	0.572684	0.939062
1012	ENSG00000078246.17	680.3582	-0.10467	0.185562	-0.56405	0.57272	0.939062
1794	ENSG00000101444.13	11118.46	0.080055	0.141931	0.564039	0.572728	0.939062
8085	ENSG00000170899.11	808.3547	-0.09995	0.177207	-0.56401	0.572745	0.939062
3156	ENSG00000116266.11	475.9124	0.115381	0.204597	0.563942	0.572794	0.939062
494	ENSG00000053438.11	1304.747	0.102546	0.181905	0.563735	0.572935	0.939062
3791	ENSG00000125304.10	5331.4	-0.08528	0.151299	-0.56368	0.572969	0.939062
4672	ENSG00000135049.16	455.0384	-0.11711	0.207772	-0.56366	0.572987	0.939062
721	ENSG00000067560.12	9662.192	0.082935	0.14732	0.562957	0.573465	0.939306
8904	ENSG00000180198.16	907.9088	-0.09747	0.173149	-0.56293	0.573485	0.939306
10752	ENSG00000241860.7	157.9096	-0.17147	0.304621	-0.56289	0.573513	0.939306
5032	ENSG00000137871.20	339.7792	0.123311	0.219074	0.562876	0.573519	0.939306
9371	ENSG00000185624.15	32552.07	-0.08363	0.148589	-0.56283	0.573549	0.939306
3955	ENSG00000126883.17	2851.817	0.100514	0.178636	0.562672	0.573658	0.939351
4733	ENSG00000135521.9	501.8456	0.112303	0.199687	0.562397	0.573846	0.939403
3165	ENSG00000116406.19	914.516	0.111485	0.198237	0.562383	0.573855	0.939403
8003	ENSG00000170191.5	300.5881	0.150317	0.267532	0.561867	0.574207	0.939462
4338	ENSG00000131748.16	2900.717	0.100617	0.179106	0.561772	0.574271	0.939462
1420	ENSG00000093009.11	506.8142	-0.11148	0.198463	-0.56173	0.574298	0.939462
1991	ENSG00000103429.11	1330.409	-0.10366	0.184544	-0.56172	0.574304	0.939462
10625	ENSG00000232956.9	446.8868	0.12187	0.217003	0.561606	0.574384	0.939462
3263	ENSG00000117461.15	1215.246	-0.09355	0.166581	-0.56157	0.574411	0.939462
10082	ENSG00000198873.12	313.6654	-0.13357	0.23796	-0.56129	0.574598	0.939462
1660	ENSG00000100567.13	920.4256	0.10689	0.190437	0.561291	0.574599	0.939462
8021	ENSG00000170340.11	227.0649	0.146104	0.260413	0.561048	0.574765	0.939462
7911	ENSG00000169398.19	1773.717	-0.09736	0.173574	-0.56093	0.574843	0.939462
10584	ENSG00000228716.7	1295.306	-0.09234	0.164626	-0.56088	0.574879	0.939462

5725	ENSG00000145022.4	2817.054	0.085868	0.153096	0.560878	0.574881	0.939462
818	ENSG00000071054.16	4003.688	-0.09014	0.160749	-0.56074	0.574973	0.939478
3174	ENSG00000116525.14	540.4594	0.12652	0.225758	0.560423	0.575191	0.939506
8158	ENSG00000171490.13	2847.964	0.085669	0.152905	0.560277	0.575291	0.939506
1035	ENSG00000079277.22	676.5585	-0.10305	0.183944	-0.5602	0.575341	0.939506
3606	ENSG00000122515.15	2864.013	0.095307	0.170212	0.559931	0.575527	0.939506
6433	ENSG00000156017.13	246.6313	0.159466	0.284881	0.559766	0.575639	0.939506
6173	ENSG00000151806.14	793.5198	-0.09936	0.177669	-0.55926	0.575987	0.939506
1010	ENSG00000078142.13	659.1404	0.107079	0.191545	0.559029	0.576142	0.939506
7835	ENSG00000168803.16	268.3749	-0.14375	0.2572	-0.55889	0.576236	0.939506
8323	ENSG00000173253.15	182.4855	-0.15744	0.281712	-0.55887	0.576253	0.939506
1519	ENSG00000099917.17	1970.082	0.094546	0.169176	0.558862	0.576256	0.939506
7104	ENSG00000163755.9	495.472	0.129592	0.231901	0.558825	0.576281	0.939506
2113	ENSG00000104880.18	1383.03	-0.09043	0.161851	-0.55874	0.576337	0.939506
7682	ENSG00000167671.12	3619.831	0.087018	0.155742	0.558733	0.576344	0.939506
5598	ENSG00000143674.11	406.549	-0.11864	0.212404	-0.55856	0.576459	0.939506
6090	ENSG00000150594.7	1031.954	0.12007	0.215002	0.558459	0.576531	0.939506
909	ENSG00000074696.13	4309.553	-0.10018	0.179441	-0.55832	0.576628	0.939506
102	ENSG0000006555.11	869.3884	0.098818	0.177004	0.558278	0.576654	0.939506
5720	ENSG00000144909.8	359.4342	-0.1217	0.21804	-0.55815	0.57674	0.939506
7453	ENSG00000166123.14	2384.16	-0.08573	0.153814	-0.55739	0.57726	0.939506
2023	ENSG00000103978.16	1045.367	-0.09555	0.171467	-0.55726	0.577348	0.939506
10933	ENSG00000255545.8	347.4087	-0.13173	0.236406	-0.55722	0.577376	0.939506
2988	ENSG00000114739.14	544.8867	-0.11018	0.197734	-0.55721	0.577382	0.939506
8498	ENSG00000175130.7	12399.83	0.09351	0.167853	0.557094	0.577463	0.939506
6638	ENSG00000158882.15	619.0002	-0.10691	0.191955	-0.55695	0.577562	0.939506
4596	ENSG00000134313.16	4622.433	-0.09457	0.169852	-0.5568	0.577662	0.939506
5371	ENSG00000141401.12	364.4444	0.121062	0.217456	0.556717	0.577721	0.939506
7353	ENSG00000165304.8	702.2155	0.102947	0.184963	0.556578	0.577815	0.939506
5030	ENSG00000137845.15	1481.612	-0.11661	0.20953	-0.55652	0.577854	0.939506
7729	ENSG00000167987.11	1044.11	0.102762	0.184664	0.556481	0.577882	0.939506
2390	ENSG00000107560.12	164.9919	0.173202	0.31129	0.556401	0.577937	0.939506
9938	ENSG00000198089.16	1043.872	-0.10217	0.183635	-0.55639	0.577947	0.939506
9	ENSG00000001497.17	667.1563	-0.10948	0.196844	-0.55618	0.578086	0.939506
7563	ENSG00000166847.10	2242.063	-0.12098	0.217524	-0.55615	0.578111	0.939506
2229	ENSG00000105698.16	5096.681	0.080821	0.145339	0.556082	0.578155	0.939506
6541	ENSG00000157557.13	610.1801	-0.11511	0.207026	-0.55603	0.578191	0.939506
7180	ENSG00000164086.10	567.5931	0.107881	0.194035	0.555989	0.578219	0.939506
948	ENSG00000075914.13	454.6358	-0.1131	0.203434	-0.55596	0.578235	0.939506
9679	ENSG00000196313.11	5302.075	0.089554	0.161094	0.555908	0.578273	0.939506
3095	ENSG00000115760.14	1820.739	-0.08836	0.158979	-0.55581	0.578341	0.939506
1847	ENSG00000102034.17	2052.793	0.087594	0.157598	0.555803	0.578346	0.939506
8819	ENSG00000178999.13	1493.538	0.110923	0.199668	0.555536	0.578528	0.939506
8414	ENSG00000174238.15	2414.441	-0.09101	0.163818	-0.55553	0.57853	0.939506
9541	ENSG00000188033.10	199.213	-0.14973	0.269552	-0.55549	0.578561	0.939506
4574	ENSG00000134184.13	550.1917	0.109092	0.19642	0.5554	0.578621	0.939506
3080	ENSG00000115561.16	2369.095	-0.0854	0.153859	-0.55507	0.578846	0.939737
5020	ENSG00000137814.12	495.4303	-0.10941	0.197217	-0.55479	0.57904	0.939811
3062	ENSG00000115421.13	418.5572	0.120066	0.21647	0.554653	0.579132	0.939811
10456	ENSG00000215712.11	396.6474	0.119717	0.215845	0.554643	0.579139	0.939811
8188	ENSG00000171823.7	413.1643	-0.11672	0.210577	-0.5543	0.579372	0.940035
10328	ENSG00000213160.10	1116.556	0.106282	0.191776	0.5542	0.579442	0.940035

3253	ENSG00000117394.24	2700.278	0.097654	0.17632	0.553846	0.579684	0.940294
3860	ENSG00000125844.16	22362.06	0.085182	0.153846	0.553681	0.579797	0.940343
6061	ENSG00000149679.11	886.0034	0.097644	0.176479	0.55329	0.580065	0.940501
4459	ENSG00000132872.12	1617.375	0.100783	0.182158	0.553269	0.580079	0.940501
6381	ENSG00000155115.7	957.4486	0.100882	0.182369	0.553177	0.580142	0.940501
1750	ENSG00000101182.15	4488.208	0.082998	0.150084	0.553012	0.580255	0.94055
5105	ENSG00000138459.9	530.9481	0.129203	0.233718	0.552816	0.580389	0.940617
5068	ENSG00000138160.6	965.1879	0.098286	0.177825	0.552711	0.580462	0.940617
9156	ENSG00000183520.12	578.8984	-0.11279	0.204249	-0.55221	0.580807	0.940962
7918	ENSG00000169446.5	618.4418	0.125887	0.228022	0.552082	0.580892	0.940962
759	ENSG00000068878.15	1442.981	-0.09089	0.164682	-0.55194	0.58099	0.940962
11236	ENSG00000275437.1	224.607	0.140224	0.254177	0.551678	0.581169	0.940962
7336	ENSG00000165209.19	994.9431	0.098735	0.178989	0.551627	0.581204	0.940962
4743	ENSG00000135622.13	1223.741	-0.09975	0.180871	-0.55152	0.581277	0.940962
2098	ENSG00000104774.13	5478.091	0.086398	0.156655	0.551517	0.58128	0.940962
1146	ENSG00000083937.9	624.1508	0.111995	0.203097	0.551435	0.581336	0.940962
9377	ENSG00000185686.18	357.6138	-0.11949	0.216797	-0.55116	0.581526	0.941117
4977	ENSG00000137343.18	837.601	-0.1086	0.197128	-0.55091	0.581696	0.941117
6114	ENSG00000151092.18	340.3728	-0.1219	0.221287	-0.55089	0.58171	0.941117
1864	ENSG00000102178.13	1700.083	0.088554	0.16077	0.550813	0.581762	0.941117
3254	ENSG00000117395.13	848.6874	0.098023	0.178005	0.550675	0.581857	0.941125
8453	ENSG00000174695.10	1404.8	0.103597	0.188189	0.550497	0.581979	0.941125
3499	ENSG00000120725.13	1783.911	-0.09116	0.165649	-0.55033	0.582094	0.941125
6809	ENSG00000160953.16	1224.065	-0.09087	0.165122	-0.55032	0.582097	0.941125
4688	ENSG00000135185.12	321.9354	-0.13056	0.237367	-0.55004	0.582292	0.941306
978	ENSG00000077080.10	1703.332	0.086577	0.157545	0.549541	0.582634	0.941726
5402	ENSG00000141570.11	762.4879	-0.10495	0.191045	-0.54935	0.582767	0.941807
1602	ENSG00000100316.16	32733.09	-0.07842	0.142812	-0.54914	0.582908	0.9419
6885	ENSG00000162104.10	1798.386	-0.0904	0.16467	-0.54898	0.583016	0.941942
2450	ENSG00000108219.15	2053.646	-0.09715	0.177053	-0.54872	0.5832	0.942087
21	ENSG00000002919.15	709.2495	0.103108	0.187944	0.548612	0.583272	0.942087
4302	ENSG00000131373.15	342.5658	-0.12563	0.229107	-0.54833	0.583468	0.942271
6796	ENSG00000160789.21	2366.693	0.086621	0.158087	0.547934	0.583737	0.942572
9851	ENSG00000197444.10	1218.441	-0.09237	0.168633	-0.54778	0.583842	0.942607
6620	ENSG00000158711.14	443.0787	-0.11448	0.209122	-0.54745	0.584067	0.942711
6204	ENSG00000152256.14	199.6246	-0.15604	0.28507	-0.54736	0.584133	0.942711
1302	ENSG00000089159.16	3267.34	-0.0881	0.16096	-0.54733	0.584155	0.942711
4330	ENSG00000131653.13	5400.771	-0.07995	0.146155	-0.54705	0.584347	0.942852
6977	ENSG00000162924.15	178.0864	-0.15867	0.290098	-0.54696	0.584408	0.942852
10567	ENSG00000227345.8	470.5359	-0.11589	0.212075	-0.54647	0.584744	0.943088
2609	ENSG00000110074.11	952.8992	-0.09453	0.173013	-0.54638	0.584806	0.943088
8858	ENSG00000179456.10	263.1712	-0.13719	0.251192	-0.54617	0.584948	0.943088
668	ENSG00000065833.9	225.8405	0.175739	0.321991	0.545789	0.585211	0.943088
6532	ENSG00000157450.16	605.4597	-0.10973	0.201164	-0.54547	0.585433	0.943088
2701	ENSG00000111364.16	573.3871	0.109977	0.201684	0.545293	0.585552	0.943088
2274	ENSG00000106077.18	763.4717	-0.10276	0.188484	-0.54521	0.585607	0.943088
1004	ENSG00000078043.16	469.8633	-0.12186	0.223529	-0.54515	0.585649	0.943088
9855	ENSG00000197461.13	221.4454	0.143299	0.26293	0.54501	0.585747	0.943088
7397	ENSG00000165661.17	2809.241	-0.08206	0.150629	-0.54481	0.585885	0.943088
3374	ENSG00000119285.11	440.0533	-0.12101	0.222226	-0.54454	0.586068	0.943088
9023	ENSG00000182134.16	898.3429	-0.10522	0.19334	-0.54421	0.586296	0.943088
1582	ENSG00000100239.16	1721.907	-0.08768	0.16115	-0.5441	0.586373	0.943088

3014	ENSG00000115020.17	734.953	-0.11964	0.219917	-0.544	0.58644	0.943088
7694	ENSG00000167721.11	1175.674	-0.09548	0.175534	-0.54393	0.586491	0.943088
136	ENSG00000007944.15	211.3126	-0.14021	0.257801	-0.54386	0.586539	0.943088
5477	ENSG00000142661.19	677.3074	-0.10816	0.198906	-0.54376	0.586608	0.943088
6290	ENSG00000153814.13	472.4085	-0.11171	0.205642	-0.54322	0.586979	0.943088
5947	ENSG00000148187.18	573.7246	-0.10577	0.194737	-0.54316	0.587018	0.943088
7106	ENSG00000163785.13	451.7469	-0.11325	0.208535	-0.54309	0.587069	0.943088
7386	ENSG00000165609.13	730.5573	0.098759	0.181896	0.542941	0.58717	0.943088
6356	ENSG00000154803.13	2278.116	-0.1013	0.18667	-0.54265	0.587372	0.943088
11233	ENSG00000275234.1	300.6156	0.123829	0.228204	0.542625	0.587388	0.943088
4268	ENSG00000130985.17	20739.71	-0.08136	0.14996	-0.54254	0.58745	0.943088
3556	ENSG00000121671.12	1088.422	-0.09592	0.176839	-0.54243	0.587525	0.943088
5956	ENSG00000148303.17	17924.58	0.084847	0.156426	0.542413	0.587534	0.943088
8099	ENSG00000171045.16	494.0056	0.113314	0.208972	0.542247	0.587648	0.943088
4	ENSG00000001036.14	4305.695	-0.0825	0.152155	-0.54223	0.587662	0.943088
232	ENSG0000013374.16	1569.083	-0.09352	0.172493	-0.54219	0.587685	0.943088
6862	ENSG00000161904.12	3156.603	-0.08393	0.15484	-0.54205	0.587787	0.943088
8295	ENSG00000172939.9	804.9541	-0.10197	0.188292	-0.54155	0.58813	0.943088
5345	ENSG00000141026.6	737.3061	-0.10277	0.189791	-0.54147	0.588182	0.943088
2487	ENSG00000108578.15	2345.766	0.08547	0.157853	0.541449	0.588198	0.943088
402	ENSG00000041802.11	794.125	-0.09733	0.179781	-0.54137	0.588254	0.943088
11103	ENSG00000267368.1	1516.266	-0.12867	0.237681	-0.54135	0.588268	0.943088
9341	ENSG00000185359.13	3036.239	-0.08619	0.159224	-0.54129	0.588308	0.943088
4352	ENSG00000131876.17	967.2101	0.093793	0.173277	0.541287	0.58831	0.943088
5397	ENSG00000141560.15	727.4741	-0.09877	0.182508	-0.54119	0.588375	0.943088
9785	ENSG00000196968.11	490.8502	-0.10878	0.201034	-0.5411	0.588436	0.943088
3759	ENSG00000124608.5	1258.841	-0.09308	0.172045	-0.541	0.588507	0.943088
6934	ENSG00000162616.9	182.5003	-0.15113	0.27936	-0.54097	0.588529	0.943088
6744	ENSG00000160271.16	2729.869	-0.08199	0.151575	-0.54095	0.588541	0.943088
1331	ENSG00000090060.18	4122.705	-0.09763	0.180487	-0.5409	0.588576	0.943088
7372	ENSG00000165501.17	282.6023	0.126052	0.233052	0.540876	0.588593	0.943088
4918	ENSG00000136932.14	180.5543	-0.15095	0.279099	-0.54085	0.588609	0.943088
6192	ENSG00000152128.13	335.9641	0.122095	0.225745	0.540852	0.58861	0.943088
7564	ENSG00000166848.7	2803.413	0.08123	0.150194	0.540834	0.588622	0.943088
6244	ENSG00000152939.17	941.8976	-0.0947	0.175123	-0.54075	0.588678	0.943088
1161	ENSG00000084693.16	1026.996	-0.09439	0.174583	-0.54067	0.588736	0.943088
1690	ENSG00000100764.14	2307.176	-0.08345	0.154361	-0.54064	0.588758	0.943088
11377	ENSG00000286891.1	458.6673	0.111842	0.206882	0.540608	0.588778	0.943088
2010	ENSG00000103642.12	219.375	-0.13761	0.254641	-0.54041	0.588914	0.943174
3462	ENSG00000120129.6	986.7871	-0.09282	0.171861	-0.54009	0.589138	0.943244
129	ENSG00000007402.11	3981.175	0.079972	0.148104	0.539973	0.589215	0.943244
9519	ENSG00000187678.10	392.2191	-0.11734	0.217363	-0.53985	0.589303	0.943244
6319	ENSG00000154217.15	189.2467	0.144246	0.267223	0.539797	0.589337	0.943244
5710	ENSG00000144827.9	614.222	-0.11003	0.203853	-0.53975	0.589372	0.943244
2235	ENSG00000105723.12	4149.38	0.083575	0.154875	0.539626	0.589455	0.943244
11173	ENSG00000272447.1	192.9421	0.142834	0.264898	0.539204	0.589746	0.943494
7092	ENSG00000163686.15	260.7254	0.143183	0.265568	0.539159	0.589777	0.943494
661	ENSG00000065613.15	1886.598	-0.08403	0.156046	-0.53847	0.590255	0.943933
589	ENSG00000062485.19	5437.695	-0.08473	0.157372	-0.53841	0.590293	0.943933
4662	ENSG00000134970.14	1520.438	0.120321	0.223479	0.538401	0.5903	0.943933
8792	ENSG00000178700.9	286.4834	-0.12454	0.231541	-0.53788	0.590658	0.944157
524	ENSG00000055609.19	3073.891	-0.09131	0.169784	-0.53779	0.590724	0.944157

2885	ENSG00000113369.9	683.4084	0.109797	0.204243	0.537583	0.590865	0.944157
7774	ENSG00000168282.6	890.285	0.102082	0.189968	0.537365	0.591016	0.944157
9143	ENSG00000183421.12	743.9334	-0.09711	0.180766	-0.53724	0.591102	0.944157
4177	ENSG00000130309.11	5334.988	-0.08255	0.15371	-0.53706	0.591223	0.944157
3842	ENSG00000125753.14	1462.113	0.088292	0.164418	0.536998	0.591269	0.944157
10757	ENSG00000242086.8	559.7949	-0.11406	0.212415	-0.53696	0.591294	0.944157
9260	ENSG00000184619.7	215.369	-0.13684	0.254863	-0.53693	0.591313	0.944157
3161	ENSG00000116337.19	4351.149	0.078203	0.145683	0.536804	0.591403	0.944157
1566	ENSG00000100154.14	806.3752	-0.10166	0.189405	-0.53673	0.591453	0.944157
9019	ENSG00000182103.5	1127.821	0.105141	0.195908	0.536687	0.591484	0.944157
8482	ENSG00000174953.14	1588.501	0.085523	0.159418	0.536468	0.591635	0.944157
11280	ENSG00000278266.1	582.3617	0.107219	0.199869	0.536447	0.59165	0.944157
4399	ENSG00000132434.9	406.8217	0.115939	0.216143	0.536398	0.591684	0.944157
10136	ENSG00000203985.11	263.5789	-0.14946	0.278843	-0.53601	0.59195	0.944387
6476	ENSG00000156671.15	367.1899	-0.1225	0.228575	-0.53595	0.591994	0.944387
9515	ENSG00000187626.9	176.415	-0.15365	0.286773	-0.53579	0.592102	0.944426
1851	ENSG00000102057.10	2370.465	0.103489	0.193202	0.535654	0.592198	0.944447
3255	ENSG00000117399.14	1730.307	0.095124	0.177635	0.535504	0.592301	0.944448
6195	ENSG00000152193.8	250.5927	0.133056	0.248603	0.535214	0.592502	0.944668
4262	ENSG00000130921.8	597.8009	-0.10151	0.18974	-0.53497	0.592671	0.944701
9207	ENSG00000184007.22	2832.997	0.087118	0.162854	0.534944	0.592689	0.944701
8206	ENSG00000171960.11	277.5865	0.125007	0.233776	0.534727	0.592838	0.944782
4590	ENSG00000134283.18	656.7146	0.103254	0.193211	0.534411	0.593057	0.944782
3921	ENSG00000126457.21	3329.712	0.079839	0.149429	0.534295	0.593137	0.944782
5674	ENSG00000144504.15	171.1227	0.198281	0.371171	0.534203	0.593201	0.944782
2115	ENSG00000104884.16	1971.572	0.088821	0.166293	0.534125	0.593255	0.944782
2602	ENSG00000110025.13	1364.378	-0.09826	0.184055	-0.53387	0.593428	0.944782
7282	ENSG00000164815.11	426.1559	0.120302	0.225357	0.533827	0.593461	0.944782
1140	ENSG00000083828.16	269.9516	-0.12746	0.238763	-0.53383	0.593461	0.944782
11337	ENSG00000284024.3	220.9669	-0.14343	0.268708	-0.53379	0.593486	0.944782
7528	ENSG00000166510.14	203.2871	0.157314	0.294856	0.533528	0.593668	0.94494
5	ENSG00000001084.13	758.3705	-0.10073	0.18888	-0.53328	0.593838	0.94506
9417	ENSG00000186106.11	426.0153	0.128018	0.240103	0.533179	0.593909	0.94506
905	ENSG00000074603.19	649.1886	0.100663	0.188893	0.532912	0.594094	0.945222
1646	ENSG00000100473.18	1615.076	-0.08668	0.162743	-0.53261	0.594301	0.945226
6291	ENSG00000153815.16	10000.77	0.083959	0.157687	0.532442	0.59442	0.945226
4040	ENSG00000128487.16	824.0392	0.103204	0.193838	0.532425	0.594432	0.945226
5057	ENSG00000138074.15	2313.096	0.091437	0.171758	0.532357	0.594479	0.945226
11115	ENSG00000268205.1	436.6247	-0.12349	0.232083	-0.53208	0.594671	0.945226
323	ENSG00000028310.18	1014.406	-0.093	0.174811	-0.53203	0.594707	0.945226
4702	ENSG00000135324.6	217.6594	-0.15433	0.290192	-0.53183	0.594843	0.945226
11356	ENSG00000285331.2	257.1919	-0.131	0.246345	-0.53179	0.594869	0.945226
7917	ENSG00000169439.12	1064.863	0.112191	0.210975	0.531775	0.594882	0.945226
7829	ENSG00000168779.19	530.546	-0.12094	0.22751	-0.53159	0.595007	0.945226
4623	ENSG00000134597.16	501.3105	0.106982	0.201249	0.53159	0.59501	0.945226
11119	ENSG00000268471.6	179.3739	-0.14563	0.274077	-0.53135	0.595179	0.945362
6033	ENSG00000149313.11	1160.285	0.106147	0.199955	0.530855	0.595519	0.945771
276	ENSG00000019995.6	523.6449	0.117179	0.220983	0.530262	0.595593	0.946059
4597	ENSG00000134317.18	341.3643	-0.12908	0.243479	-0.53015	0.596008	0.946059
5039	ENSG00000137947.12	269.0877	0.126727	0.23906	0.530106	0.596039	0.946059
3834	ENSG00000125703.15	200.1032	0.151691	0.286238	0.529948	0.596148	0.946059
6337	ENSG00000154473.18	1103.43	-0.08988	0.169673	-0.52975	0.596289	0.946059

10958	ENSG00000257315.3	353.9154	-0.37138	0.701065	-0.52974	0.596296	0.946059
7128	ENSG00000163882.9	968.775	0.099005	0.186928	0.529639	0.596362	0.946059
6382	ENSG00000155158.20	252.7826	-0.14175	0.267708	-0.52949	0.596463	0.946059
583	ENSG00000061936.10	2202.788	-0.08556	0.161604	-0.52945	0.596491	0.946059
1552	ENSG00000100095.19	2750.3	0.088464	0.167107	0.529385	0.596539	0.946059
8042	ENSG00000170540.15	5825.377	0.098617	0.186336	0.529241	0.596638	0.946059
2682	ENSG00000111206.13	5678.457	0.092808	0.175388	0.529156	0.596697	0.946059
8474	ENSG00000174891.13	726.3766	0.101992	0.192831	0.528919	0.596862	0.94607
7895	ENSG00000169228.14	1185.026	-0.09805	0.185464	-0.5287	0.597015	0.94607
6052	ENSG00000149582.16	1689.381	-0.08324	0.1575	-0.52853	0.597134	0.94607
8861	ENSG00000179532.13	245.0742	-0.1705	0.323188	-0.52756	0.597807	0.94607
10088	ENSG00000198887.9	817.084	-0.09936	0.188406	-0.52735	0.597953	0.94607
4821	ENSG00000136169.16	164.7435	-0.15033	0.285118	-0.52724	0.598027	0.94607
1025	ENSG00000078804.13	4174.59	0.09083	0.172288	0.527201	0.598054	0.94607
7316	ENSG00000165025.15	659.8231	-0.11052	0.209753	-0.52692	0.598251	0.94607
4429	ENSG00000132639.13	1787.988	0.082417	0.156423	0.526886	0.598273	0.94607
9004	ENSG00000181894.15	247.686	-0.12858	0.244045	-0.52686	0.598291	0.94607
2052	ENSG00000104325.7	231.0696	-0.13863	0.263191	-0.52671	0.598394	0.94607
9306	ENSG00000185065.6	186.8089	-0.14371	0.272894	-0.52662	0.598457	0.94607
2285	ENSG00000106261.17	4716.826	0.079137	0.150313	0.526484	0.598552	0.94607
6299	ENSG00000153933.10	357.9894	0.135249	0.256893	0.52648	0.598554	0.94607
9621	ENSG00000189067.13	346.0757	-0.12042	0.228888	-0.52611	0.598815	0.94607
10102	ENSG00000198917.13	1124.666	0.092522	0.175894	0.526012	0.59888	0.94607
2666	ENSG00000110917.8	5440.211	-0.08128	0.154562	-0.52586	0.598984	0.94607
4532	ENSG00000133706.19	2185.621	-0.08368	0.159147	-0.52582	0.599012	0.94607
9643	ENSG00000189403.15	4832.599	0.092391	0.175766	0.52565	0.599132	0.94607
5523	ENSG00000143183.17	1575.15	0.102218	0.194465	0.525635	0.599142	0.94607
10686	ENSG00000237289.10	1463.945	-0.09381	0.178494	-0.52557	0.599187	0.94607
4406	ENSG00000132471.12	4353.965	0.086429	0.164455	0.52555	0.599201	0.94607
7516	ENSG00000166452.12	435.2954	0.110009	0.209388	0.525383	0.599317	0.94607
7757	ENSG00000168172.9	1130.15	0.099545	0.18952	0.525246	0.599412	0.94607
4490	ENSG00000133134.12	1364.551	0.096468	0.183716	0.525094	0.599518	0.94607
8558	ENSG00000175782.11	616.3685	-0.10682	0.203466	-0.525	0.599584	0.94607
4856	ENSG00000136492.9	194.8689	0.146529	0.279163	0.524887	0.599662	0.94607
3609	ENSG00000122557.11	541.9101	-0.10546	0.200989	-0.52468	0.599804	0.94607
7130	ENSG00000163900.11	488.9742	0.104805	0.199829	0.524474	0.599949	0.94607
5843	ENSG00000146707.14	294.999	0.127503	0.243183	0.524307	0.600065	0.94607
3963	ENSG00000127080.10	434.0692	-0.11002	0.20989	-0.52419	0.600148	0.94607
941	ENSG00000075651.16	180.4295	-0.14466	0.276021	-0.52407	0.600228	0.94607
6994	ENSG00000163029.16	1060.508	0.08812	0.168152	0.524051	0.600243	0.94607
9999	ENSG00000198554.12	622.4561	0.099151	0.18922	0.523999	0.60028	0.94607
6236	ENSG00000152779.14	502.7647	-0.11514	0.219743	-0.52399	0.600284	0.94607
7559	ENSG00000166822.13	404.4794	-0.11334	0.216455	-0.52363	0.600536	0.94607
7314	ENSG00000164985.15	2642.962	0.079172	0.151236	0.523498	0.600627	0.94607
5898	ENSG00000147471.12	860.3352	-0.10693	0.204253	-0.5235	0.60063	0.94607
1520	ENSG00000099940.12	968.1488	-0.09456	0.180795	-0.52304	0.600944	0.94607
10263	ENSG00000205413.8	218.7959	0.148665	0.284307	0.522902	0.601043	0.94607
1	ENSG00000000419.13	811.853	0.095744	0.183111	0.522873	0.601063	0.94607
449	ENSG00000048828.17	4608.839	-0.08658	0.165595	-0.52284	0.601088	0.94607
7141	ENSG00000163938.17	1119.4	-0.09092	0.173932	-0.52276	0.601142	0.94607
3048	ENSG00000115307.17	4859.13	0.079511	0.152125	0.522667	0.601206	0.94607
5585	ENSG00000143575.15	3468.505	-0.07855	0.150315	-0.52256	0.601279	0.94607

10906	ENSG00000254093.9	206.7735	0.135003	0.258407	0.522442	0.601362	0.94607
2021	ENSG00000103942.13	684.754	-0.09807	0.187723	-0.52241	0.601382	0.94607
2530	ENSG00000108984.15	862.9024	0.095089	0.182021	0.522404	0.601389	0.94607
5790	ENSG00000145916.19	1981.37	0.088155	0.168759	0.522373	0.60141	0.94607
1683	ENSG00000100711.14	498.2795	-0.11073	0.212013	-0.52229	0.601471	0.94607
9233	ENSG00000184277.13	987.8343	-0.09487	0.181675	-0.52222	0.601516	0.94607
2112	ENSG00000104872.11	1624.039	-0.08446	0.161745	-0.5222	0.60153	0.94607
2673	ENSG00000111011.18	1550.968	-0.08553	0.163831	-0.52203	0.601648	0.94607
7762	ENSG00000168234.13	166.3167	-0.14942	0.286469	-0.52158	0.601965	0.94607
2853	ENSG00000112893.9	1696.319	-0.09372	0.179687	-0.52157	0.601972	0.94607
9963	ENSG00000198265.12	1273.887	-0.09191	0.176239	-0.52151	0.602014	0.94607
4934	ENSG00000137070.18	226.2835	-0.15936	0.305642	-0.52141	0.602084	0.94607
9651	ENSG00000196123.13	2331.645	-0.08589	0.164736	-0.52138	0.602104	0.94607
8547	ENSG00000175606.11	557.7526	0.101969	0.195703	0.521041	0.602338	0.94607
10934	ENSG00000255639.3	193.6652	0.168709	0.32387	0.520915	0.602426	0.94607
2893	ENSG00000113460.13	615.731	-0.10284	0.197432	-0.5209	0.602433	0.94607
3698	ENSG00000123975.5	804.3423	0.103996	0.199674	0.520831	0.602484	0.94607
4394	ENSG00000132394.11	883.7526	0.093506	0.179592	0.520661	0.602603	0.94607
7765	ENSG00000168246.6	1002.071	0.092396	0.177472	0.520624	0.602629	0.94607
3799	ENSG00000125386.16	1813.128	0.09544	0.183429	0.520311	0.602847	0.94607
3580	ENSG00000122033.14	298.8457	-0.126	0.242171	-0.5203	0.602853	0.94607
4720	ENSG00000135447.17	1353.684	0.093707	0.180102	0.5203	0.602854	0.94607
11060	ENSG00000262919.8	504.2536	0.103939	0.199791	0.520236	0.602899	0.94607
6544	ENSG00000157625.15	976.4355	-0.09664	0.185791	-0.52017	0.602945	0.94607
1855	ENSG00000102098.19	1154.935	-0.09617	0.18494	-0.52002	0.603047	0.94607
283	ENSG00000021355.13	1049.657	-0.09293	0.178727	-0.51997	0.603085	0.94607
6230	ENSG00000152683.14	505.8911	-0.11313	0.217578	-0.51995	0.603098	0.94607
2655	ENSG00000110801.14	619.5323	0.100288	0.192934	0.519803	0.603201	0.94607
7031	ENSG00000163378.14	206.1006	-0.14686	0.282553	-0.51976	0.603228	0.94607
2526	ENSG00000108953.17	11857.64	0.082034	0.157835	0.519746	0.603241	0.94607
8868	ENSG00000179743.4	285.7819	0.127306	0.244947	0.519726	0.603254	0.94607
2936	ENSG00000114026.21	1100.808	0.101668	0.195625	0.519709	0.603267	0.94607
8070	ENSG00000170802.16	257.1472	0.128779	0.247908	0.519465	0.603437	0.94607
496	ENSG00000053770.12	723.9775	-0.11402	0.219508	-0.51942	0.603466	0.94607
7401	ENSG00000165675.16	172.4472	0.153154	0.294915	0.519316	0.60354	0.94607
576	ENSG00000060971.19	801.9434	-0.0936	0.180248	-0.5193	0.60355	0.94607
8895	ENSG00000180044.5	649.4385	-0.10054	0.193608	-0.5193	0.603554	0.94607
2657	ENSG00000110841.14	276.939	0.135983	0.261893	0.51923	0.603601	0.94607
2772	ENSG00000112078.14	926.0074	-0.09939	0.191536	-0.5189	0.603833	0.946197
4859	ENSG00000136521.13	1023.892	0.095126	0.183332	0.518876	0.603847	0.946197
1718	ENSG00000100941.9	3823.915	-0.07811	0.150628	-0.51859	0.604047	0.946291
8410	ENSG00000174197.16	1189.519	-0.08852	0.170739	-0.51843	0.604156	0.946291
6118	ENSG00000151135.10	1132.677	0.098927	0.190824	0.518418	0.604167	0.946291
1849	ENSG00000102048.16	311.5984	0.121133	0.233796	0.518115	0.604378	0.946291
10837	ENSG00000247746.4	328.1301	-0.12074	0.233048	-0.51809	0.604394	0.946291
1121	ENSG00000083099.11	1172.881	-0.09446	0.182327	-0.51807	0.604406	0.946291
6377	ENSG00000155097.12	1427.674	-0.09932	0.191778	-0.51788	0.604542	0.946366
641	ENSG00000065135.12	1612.942	0.09595	0.185315	0.517768	0.60462	0.946366
6074	ENSG00000149927.18	278.2386	-0.13049	0.252213	-0.51738	0.604893	0.946662
3965	ENSG00000127125.9	662.2892	0.098429	0.190376	0.517024	0.60514	0.946857
11326	ENSG00000282508.2	290.1877	-0.1459	0.282232	-0.51694	0.605201	0.946857
998	ENSG00000077684.16	785.3636	-0.10577	0.204736	-0.5166	0.605433	0.946857

8512	ENSG00000175220.12	4582.114	0.081699	0.158254	0.516254	0.605677	0.946857
3342	ENSG00000118655.7	376.4153	-0.11077	0.214581	-0.51621	0.605707	0.946857
2720	ENSG00000111647.13	450.8007	-0.11717	0.227039	-0.5161	0.605787	0.946857
7039	ENSG00000163435.16	921.555	0.089756	0.174025	0.515763	0.60602	0.946857
10278	ENSG00000205643.11	261.8249	0.127567	0.247348	0.51574	0.606036	0.946857
4999	ENSG00000137574.11	218.3369	0.146555	0.284223	0.515634	0.60611	0.946857
10612	ENSG00000231856.2	233.9546	0.129303	0.250836	0.515489	0.606211	0.946857
8657	ENSG00000177054.14	708.2297	-0.10347	0.200742	-0.51542	0.606257	0.946857
6908	ENSG00000162385.11	548.7128	0.099124	0.192317	0.515417	0.606261	0.946857
2063	ENSG00000104388.15	2543.168	0.101133	0.196218	0.51541	0.606267	0.946857
1015	ENSG00000078319.10	493.3037	0.103182	0.200267	0.515221	0.606399	0.946857
11187	ENSG00000273032.3	527.7461	-0.10964	0.21281	-0.51522	0.606401	0.946857
7518	ENSG00000166471.11	1107.687	-0.08791	0.170634	-0.51518	0.606427	0.946857
5988	ENSG00000148719.15	1589.153	-0.08387	0.162803	-0.51516	0.606441	0.946857
5612	ENSG00000143797.12	2496.222	-0.10349	0.200925	-0.51506	0.606514	0.946857
3523	ENSG00000120948.18	2841.875	-0.08518	0.165427	-0.51489	0.60663	0.946908
5312	ENSG00000140650.12	1283.735	-0.08597	0.167028	-0.5147	0.606761	0.946982
7857	ENSG00000168958.20	1192.155	-0.08922	0.173469	-0.51433	0.607023	0.947195
1882	ENSG00000102393.13	291.1756	0.122188	0.237645	0.514163	0.607138	0.947195
4340	ENSG00000131773.14	1084.38	0.087742	0.170662	0.514126	0.607164	0.947195
4325	ENSG00000131558.15	1951.528	-0.08893	0.173014	-0.51403	0.60723	0.947195
3139	ENSG00000116141.16	556.9673	0.100262	0.195273	0.513444	0.607641	0.947405
805	ENSG00000070669.17	3796.38	-0.08524	0.166021	-0.51344	0.607644	0.947405
10911	ENSG00000254505.11	680.3808	0.099649	0.19415	0.513259	0.60777	0.947405
5342	ENSG00000141002.20	3285.21	-0.07779	0.151683	-0.51283	0.608071	0.947405
1920	ENSG00000102921.8	1248.014	0.09717	0.189493	0.512791	0.608097	0.947405
2254	ENSG00000105866.15	200.8996	-0.14479	0.282444	-0.51262	0.608214	0.947405
10369	ENSG00000213699.9	1587.094	0.085131	0.166209	0.512195	0.608515	0.947405
9103	ENSG00000182944.18	5995.523	-0.07488	0.146207	-0.51215	0.608547	0.947405
4811	ENSG00000136111.14	2106.096	-0.0849	0.165836	-0.51196	0.60868	0.947405
8005	ENSG00000170242.19	1420.559	-0.10522	0.205567	-0.51183	0.608767	0.947405
8616	ENSG00000176476.9	580.1224	0.100126	0.195627	0.511821	0.608776	0.947405
10898	ENSG00000253729.8	7306.071	0.07536	0.147274	0.511703	0.608859	0.947405
3994	ENSG00000127666.10	1425.257	0.095655	0.186961	0.511632	0.608909	0.947405
7462	ENSG00000166164.16	2985.602	-0.07717	0.150846	-0.51161	0.608921	0.947405
5067	ENSG00000138138.13	806.0315	0.114443	0.223707	0.511577	0.608947	0.947405
9970	ENSG00000198331.11	376.8692	-0.11004	0.215154	-0.51143	0.609047	0.947405
3331	ENSG00000118454.13	523.3107	-0.10434	0.204053	-0.51135	0.609107	0.947405
8632	ENSG00000176749.9	728.0313	-0.09324	0.182388	-0.51123	0.609192	0.947405
7814	ENSG00000168615.12	1548.086	0.091595	0.179218	0.511081	0.609294	0.947405
8997	ENSG00000181817.6	581.7348	0.100532	0.196709	0.511069	0.609303	0.947405
6482	ENSG00000156735.11	270.1623	0.125735	0.246028	0.51106	0.609309	0.947405
7745	ENSG00000168067.12	1466.592	0.089444	0.175022	0.511043	0.609321	0.947405
4645	ENSG00000134824.14	79194.23	0.072808	0.142521	0.510861	0.609448	0.947405
7670	ENSG00000167608.11	877.8553	0.116448	0.228015	0.510705	0.609558	0.947405
515	ENSG00000055070.17	5006.462	-0.07447	0.145843	-0.51059	0.609637	0.947405
7383	ENSG00000165548.11	4437.913	0.074857	0.146614	0.51057	0.609652	0.947405
2006	ENSG00000103546.18	302.7914	-0.1372	0.26871	-0.51057	0.609653	0.947405
6591	ENSG00000158258.16	554.568	-0.13866	0.271629	-0.51046	0.60973	0.947405
1788	ENSG00000101417.12	898.4656	-0.11544	0.226237	-0.51024	0.60988	0.947405
7906	ENSG00000169299.14	260.5665	-0.1332	0.261225	-0.50992	0.610111	0.947405
9030	ENSG00000182175.14	307.9063	0.123959	0.243181	0.509742	0.610232	0.947405

2768	ENSG00000112031.16	474.9171	0.104037	0.204235	0.509398	0.610473	0.947405
10728	ENSG00000240771.8	490.1476	-0.10438	0.205012	-0.50916	0.610642	0.947405
1868	ENSG00000102221.14	821.9625	-0.09608	0.188778	-0.50898	0.610765	0.947405
7926	ENSG00000169598.17	160.6604	0.152382	0.299408	0.508945	0.610791	0.947405
9533	ENSG00000187866.10	852.7564	-0.09129	0.179402	-0.50887	0.610841	0.947405
11070	ENSG00000264364.3	5762.581	0.076044	0.149446	0.508839	0.610865	0.947405
7174	ENSG00000164073.11	511.0058	0.101303	0.199087	0.508836	0.610867	0.947405
6278	ENSG00000153487.13	366.5149	-0.10932	0.214937	-0.50864	0.611007	0.947405
4912	ENSG00000136888.7	1734.627	0.10052	0.197674	0.508514	0.611093	0.947405
2189	ENSG00000105426.17	1178.411	0.096697	0.190179	0.508453	0.611135	0.947405
8837	ENSG00000179218.14	23304.93	0.07786	0.153195	0.508241	0.611284	0.947405
4022	ENSG00000128159.12	2693.554	0.086741	0.170733	0.508051	0.611417	0.947405
1251	ENSG00000087502.18	604.8143	0.113117	0.222654	0.508039	0.611426	0.947405
2986	ENSG00000114737.16	165.1458	0.156495	0.308124	0.507897	0.611525	0.947405
4333	ENSG00000131711.15	8562.447	0.094915	0.186898	0.507845	0.611562	0.947405
3748	ENSG00000124523.16	187.3392	-0.14004	0.275822	-0.50773	0.611642	0.947405
8706	ENSG00000177606.7	1822.744	-0.08022	0.158022	-0.50767	0.611687	0.947405
8782	ENSG00000178567.8	1551.883	-0.08866	0.1747	-0.50752	0.611791	0.947405
4117	ENSG00000129460.16	633.1988	-0.09595	0.189071	-0.50747	0.611822	0.947405
2455	ENSG00000108306.13	406.3417	-0.10792	0.212701	-0.50736	0.6119	0.947405
7775	ENSG00000168283.14	934.8938	0.097646	0.192524	0.507188	0.612023	0.947405
3060	ENSG00000115415.20	1310.627	-0.08661	0.170789	-0.5071	0.612083	0.947405
1869	ENSG00000102225.16	8002.93	0.074639	0.147193	0.507083	0.612096	0.947405
6983	ENSG00000162971.11	248.1103	0.123964	0.244476	0.507059	0.612113	0.947405
1701	ENSG00000100852.13	1169.684	0.112182	0.22127	0.506991	0.612161	0.947405
5974	ENSG00000148444.16	378.1103	0.110143	0.217263	0.506955	0.612186	0.947405
4569	ENSG00000134108.14	1286.531	0.095364	0.188112	0.50695	0.61219	0.947405
7021	ENSG00000163297.17	294.2954	0.3502	0.691696	0.506292	0.612652	0.947532
425	ENSG00000047230.15	1127.406	-0.09462	0.186905	-0.50627	0.61267	0.947532
7637	ENSG00000167384.10	329.1371	0.112656	0.222559	0.506188	0.612725	0.947532
2763	ENSG00000111911.7	492.4933	0.110087	0.217487	0.506177	0.612733	0.947532
11139	ENSG00000269918.1	215.4258	-0.13127	0.259402	-0.50604	0.612832	0.947532
5253	ENSG00000140104.14	408.0673	0.113608	0.224531	0.505977	0.612873	0.947532
2490	ENSG00000108588.14	2503.824	0.085832	0.169658	0.505914	0.612917	0.947532
5177	ENSG00000139197.11	1326.125	-0.08293	0.163939	-0.50588	0.612937	0.947532
1549	ENSG00000100083.19	1964.189	0.092461	0.182912	0.505495	0.613211	0.947826
2760	ENSG00000111885.7	7967.72	-0.0812	0.160727	-0.50523	0.613398	0.947915
412	ENSG00000043093.15	419.6697	-0.11274	0.223221	-0.50506	0.61352	0.947915
8831	ENSG00000179134.15	5275.049	0.087177	0.172725	0.504712	0.613761	0.947915
2594	ENSG00000109919.10	2654.641	0.079212	0.156946	0.504707	0.613764	0.947915
5545	ENSG00000143363.17	993.854	-0.09034	0.179025	-0.50461	0.613836	0.947915
9281	ENSG00000184887.13	2690.201	0.07773	0.154079	0.50448	0.613924	0.947915
10072	ENSG00000198841.4	603.9053	0.101625	0.201453	0.504458	0.613939	0.947915
5169	ENSG00000139146.14	890.1601	0.115743	0.229466	0.504402	0.613979	0.947915
7427	ENSG00000165868.16	159.8295	-0.14346	0.284452	-0.50433	0.61403	0.947915
453	ENSG00000049239.13	1222.806	-0.09561	0.189615	-0.50423	0.614101	0.947915
542	ENSG00000058056.9	748.0299	-0.09302	0.184564	-0.50398	0.614278	0.948059
1688	ENSG00000100744.15	561.0519	0.110832	0.220006	0.503768	0.614425	0.948157
180	ENSG00000010322.16	5381.947	-0.08132	0.161584	-0.50329	0.614763	0.948494
7752	ENSG00000168116.14	275.7099	0.135306	0.268881	0.50322	0.61481	0.948494
5925	ENSG00000147853.17	1168.243	0.100175	0.199307	0.502615	0.615235	0.949022
9268	ENSG00000184702.20	4508.561	0.081392	0.162058	0.502238	0.6155	0.94926

11298	ENSG00000279249.3	174.2495	-0.14926	0.297234	-0.50216	0.615556	0.94926
993	ENSG00000077458.13	240.4937	-0.14396	0.2868	-0.50194	0.615707	0.949364
5820	ENSG00000146281.6	543.6545	-0.11445	0.228089	-0.50176	0.615838	0.949395
3622	ENSG00000122705.17	3705.355	0.081345	0.162145	0.501678	0.615894	0.949395
8055	ENSG00000170631.15	172.3739	-0.13889	0.277027	-0.50134	0.616131	0.949527
4060	ENSG00000128654.14	738.0393	-0.09781	0.195178	-0.50115	0.616264	0.949527
6178	ENSG00000151914.20	3359.19	-0.08118	0.162019	-0.50103	0.616349	0.949527
4549	ENSG00000133935.7	3246.405	-0.07504	0.149871	-0.50069	0.616591	0.949527
7802	ENSG00000168517.10	292.8059	0.116834	0.2334	0.500575	0.616671	0.949527
2478	ENSG00000108510.10	1122.002	-0.09223	0.184267	-0.50054	0.616695	0.949527
1213	ENSG00000086544.3	646.335	0.094403	0.188609	0.500525	0.616705	0.949527
8653	ENSG00000177034.17	519.6617	0.107322	0.214537	0.500248	0.6169	0.949527
9020	ENSG00000182107.7	3601.884	-0.07505	0.150058	-0.50011	0.616994	0.949527
5258	ENSG00000140259.7	735.0352	-0.09212	0.184252	-0.49998	0.617088	0.949527
8398	ENSG00000174010.9	940.0147	0.102828	0.205701	0.499893	0.61715	0.949527
3348	ENSG00000118777.12	233.4069	-0.12418	0.248618	-0.4995	0.617428	0.949527
4091	ENSG00000129084.18	2080.529	0.081347	0.162862	0.499482	0.61744	0.949527
5599	ENSG00000143702.16	537.859	-0.10724	0.214733	-0.4994	0.617496	0.949527
1063	ENSG00000080546.13	361.9372	-0.11817	0.236719	-0.49921	0.617634	0.949527
7548	ENSG00000166716.10	3113.426	-0.0784	0.157296	-0.49844	0.618172	0.949527
772	ENSG00000069667.16	278.3118	0.14645	0.293852	0.498382	0.618215	0.949527
3335	ENSG00000118508.5	390.5683	0.108072	0.216855	0.498363	0.618228	0.949527
10264	ENSG00000205423.11	159.5268	-0.14228	0.285581	-0.4982	0.618344	0.949527
10927	ENSG00000255284.2	161.0601	0.146138	0.293455	0.497991	0.618491	0.949527
8433	ENSG00000174456.15	363.1455	-0.11767	0.236303	-0.49795	0.618521	0.949527
4900	ENSG00000136842.14	1057.508	0.098216	0.197284	0.497842	0.618595	0.949527
3617	ENSG00000122678.17	664.6338	0.100404	0.201766	0.497624	0.618749	0.949527
8252	ENSG00000172466.16	1320.383	0.103326	0.207662	0.497567	0.618789	0.949527
1805	ENSG00000101546.13	438.2516	-0.10145	0.203896	-0.49754	0.618806	0.949527
8735	ENSG00000177889.10	1738.579	-0.10132	0.203699	-0.4974	0.618907	0.949527
10745	ENSG00000241553.12	3698.472	0.074686	0.150161	0.497373	0.618926	0.949527
3849	ENSG00000125816.5	172.4806	0.137998	0.277465	0.497353	0.61894	0.949527
10000	ENSG00000198556.14	381.2537	-0.11045	0.222206	-0.49707	0.61914	0.949527
5907	ENSG00000147601.14	605.5377	0.098205	0.19758	0.497037	0.619163	0.949527
2823	ENSG00000112578.10	550.1629	-0.09589	0.19312	-0.49651	0.619535	0.949527
4830	ENSG00000136247.14	815.2404	-0.08939	0.180042	-0.4965	0.619542	0.949527
5769	ENSG00000145687.16	429.0352	-0.1132	0.228008	-0.49648	0.619553	0.949527
7899	ENSG00000169246.16	1393.679	0.110502	0.222571	0.496479	0.619556	0.949527
8351	ENSG00000173545.5	628.8194	0.099248	0.199909	0.496466	0.619566	0.949527
9160	ENSG00000183576.13	1054.22	-0.08734	0.175978	-0.49631	0.619673	0.949527
8614	ENSG00000176463.14	2629.041	-0.07581	0.152776	-0.49623	0.619729	0.949527
11169	ENSG00000272391.6	4491.517	0.08465	0.17063	0.496102	0.619822	0.949527
101	ENSG00000006530.18	616.2724	-0.09574	0.193021	-0.49603	0.619875	0.949527
5656	ENSG00000144283.22	734.4888	-0.09964	0.200888	-0.49599	0.619898	0.949527
845	ENSG00000072133.11	446.9441	-0.10467	0.211065	-0.49594	0.619939	0.949527
8615	ENSG00000176473.13	518.918	-0.10007	0.201789	-0.4959	0.619964	0.949527
5795	ENSG00000145979.18	467.4736	-0.09977	0.201192	-0.49589	0.619975	0.949527
5158	ENSG00000138821.13	491.2159	-0.09803	0.197701	-0.49587	0.619988	0.949527
2842	ENSG00000112742.10	395.7979	-0.11238	0.226726	-0.49568	0.620123	0.949527
1120	ENSG00000083097.14	595.8539	0.107772	0.217431	0.495662	0.620133	0.949527
8118	ENSG00000171202.7	205.0867	-0.13432	0.271001	-0.49563	0.620158	0.949527
4734	ENSG00000135525.18	1315.954	-0.08537	0.172337	-0.49537	0.62034	0.949527

5301	ENSG00000140545.15	1769.145	-0.09241	0.18657	-0.49529	0.620398	0.949527
655	ENSG00000065518.8	1994.089	0.079456	0.160479	0.495117	0.620518	0.949527
2943	ENSG00000114120.14	1065.981	0.109845	0.221863	0.495105	0.620526	0.949527
9570	ENSG00000188419.14	669.9018	0.104404	0.210879	0.495092	0.620535	0.949527
268	ENSG00000018189.13	1427.256	-0.08291	0.167506	-0.495	0.620603	0.949527
5334	ENSG00000140968.11	574.2251	-0.10268	0.207465	-0.49491	0.620661	0.949527
2800	ENSG00000112297.18	274.5946	-0.13302	0.268937	-0.49463	0.620864	0.949527
4719	ENSG00000135446.17	5289.105	0.071746	0.145073	0.494552	0.620916	0.949527
5009	ENSG00000137714.3	573.3145	0.096488	0.195127	0.494486	0.620963	0.949527
1409	ENSG00000092621.13	5787.211	0.084485	0.170857	0.49448	0.620967	0.949527
6211	ENSG00000152404.15	324.1504	0.111221	0.224955	0.494415	0.621013	0.949527
6957	ENSG00000162772.17	163.8156	-0.16942	0.342689	-0.49438	0.621036	0.949527
10216	ENSG00000204624.8	1787.509	0.097418	0.197066	0.49434	0.621066	0.949527
10432	ENSG00000214967.5	185.9664	0.139497	0.282418	0.493939	0.62135	0.94967
8626	ENSG00000176624.12	515.5347	-0.09671	0.195881	-0.49371	0.621512	0.94967
9113	ENSG00000183020.14	3021.66	-0.07646	0.154886	-0.49368	0.621533	0.94967
281	ENSG00000020922.13	469.6844	-0.10963	0.222116	-0.49358	0.621602	0.94967
8338	ENSG00000173452.14	769.6856	0.099293	0.2012	0.493504	0.621657	0.94967
4937	ENSG00000137075.18	810.0866	-0.0898	0.182003	-0.49342	0.621713	0.94967
5047	ENSG00000138029.14	1270.305	-0.09151	0.185476	-0.49338	0.621743	0.94967
5895	ENSG00000147439.13	452.4441	-0.10014	0.203077	-0.49311	0.621936	0.949806
9352	ENSG00000185477.5	986.7282	0.09709	0.19693	0.493019	0.621999	0.949806
6281	ENSG00000153560.12	1338.597	-0.08702	0.176548	-0.4929	0.622086	0.949812
6831	ENSG00000161204.11	1210.652	-0.08612	0.174766	-0.49278	0.62217	0.949812
6339	ENSG00000154529.15	246.9982	0.149077	0.302706	0.492482	0.622379	0.949892
6177	ENSG00000151893.15	987.319	0.094609	0.192136	0.492403	0.622434	0.949892
1862	ENSG00000102158.20	1429.433	0.106055	0.215482	0.492175	0.622595	0.949892
7843	ENSG00000168883.20	1374.14	-0.08027	0.163181	-0.49188	0.622806	0.949892
3256	ENSG00000117408.11	2921.236	0.081124	0.164944	0.491827	0.622842	0.949892
4605	ENSG00000134369.15	3327.143	-0.07481	0.152141	-0.49174	0.622901	0.949892
7957	ENSG00000169826.8	273.9145	-0.12162	0.247432	-0.49154	0.623048	0.949892
886	ENSG00000073711.11	172.5249	0.144294	0.293566	0.491521	0.623058	0.949892
7044	ENSG00000163466.16	3100.386	-0.07402	0.150611	-0.49146	0.623104	0.949892
7565	ENSG00000166851.15	2310.413	0.088718	0.180562	0.491342	0.623184	0.949892
5653	ENSG00000144231.11	1152.264	0.088185	0.17955	0.491144	0.623325	0.949892
8605	ENSG00000176401.6	162.502	0.14839	0.302147	0.491118	0.623343	0.949892
4416	ENSG00000132561.14	1083.046	0.084998	0.17307	0.491118	0.623343	0.949892
1265	ENSG00000088356.6	818.9993	0.08827	0.179797	0.490942	0.623467	0.949892
6212	ENSG00000152409.9	396.1198	0.108519	0.221046	0.490934	0.623473	0.949892
7342	ENSG00000165244.7	564.7056	0.099687	0.203121	0.490779	0.623583	0.949931
3783	ENSG00000125107.18	5270.939	-0.07859	0.160354	-0.49008	0.624078	0.950411
3547	ENSG00000121440.15	1008.9	-0.0867	0.176955	-0.48995	0.624172	0.950411
10682	ENSG00000237037.9	388.0995	-0.11154	0.227672	-0.48993	0.624184	0.950411
2799	ENSG00000112294.14	1374.401	-0.09615	0.196287	-0.48984	0.624244	0.950411
8559	ENSG00000175792.12	1067.903	-0.08932	0.182398	-0.4897	0.624349	0.950411
6234	ENSG00000152767.17	5773.609	0.075367	0.153927	0.489626	0.624399	0.950411
2009	ENSG00000103591.13	1077.902	-0.08263	0.168834	-0.48942	0.624545	0.950507
1617	ENSG00000100360.15	687.0434	0.102025	0.20859	0.489119	0.624758	0.950605
7806	ENSG00000168556.7	356.3344	0.114005	0.233145	0.488986	0.624852	0.950605
2276	ENSG00000106089.12	7258.414	0.074487	0.152352	0.488916	0.624901	0.950605
3367	ENSG00000119139.21	4464.423	-0.07443	0.152307	-0.48872	0.625042	0.950605
10181	ENSG00000204366.4	196.1822	-0.12991	0.265816	-0.48872	0.625043	0.950605

7229	ENSG00000164327.13	384.0594	0.137819	0.282195	0.488382	0.62528	0.950605
5632	ENSG00000143971.9	466.188	-0.09946	0.20367	-0.48833	0.625316	0.950605
11102	ENSG00000267321.3	316.1715	0.111671	0.22873	0.488221	0.625393	0.950605
8958	ENSG00000181045.15	967.3318	-0.08481	0.173762	-0.48806	0.625511	0.950605
836	ENSG00000071859.15	3306.058	0.076801	0.157414	0.487895	0.625624	0.950605
2577	ENSG00000109674.4	193.4738	-0.13016	0.266849	-0.48779	0.625702	0.950605
1201	ENSG00000086015.22	2845.4	-0.08146	0.167001	-0.48777	0.625713	0.950605
2686	ENSG00000111247.14	357.0975	0.113215	0.232237	0.487497	0.625906	0.950605
3485	ENSG00000120647.10	221.4944	-0.12507	0.256571	-0.48747	0.625922	0.950605
9038	ENSG00000182220.15	6607.137	0.076728	0.157418	0.487414	0.625965	0.950605
7772	ENSG00000168275.16	190.0358	-0.14194	0.29124	-0.48735	0.626008	0.950605
8066	ENSG00000170775.3	341.728	-0.11028	0.226291	-0.48732	0.626029	0.950605
1188	ENSG00000085721.13	977.1926	0.089321	0.18341	0.487004	0.626256	0.950823
8971	ENSG00000181315.11	610.0298	0.108621	0.223315	0.486402	0.626682	0.951119
9620	ENSG00000189060.5	2111.742	-0.08224	0.169153	-0.48619	0.626832	0.951119
10786	ENSG00000243679.1	275.7252	0.129642	0.266666	0.486158	0.626855	0.951119
10151	ENSG00000204152.13	216.1764	-0.12353	0.254127	-0.48609	0.626905	0.951119
7073	ENSG00000163608.15	496.3138	0.10554	0.21715	0.486024	0.62695	0.951119
5241	ENSG00000139921.13	945.6483	0.124231	0.255631	0.485977	0.626984	0.951119
629	ENSG00000064703.12	427.4759	-0.10467	0.215497	-0.48574	0.627154	0.951119
3997	ENSG00000127824.14	7356.508	-0.07016	0.144461	-0.48568	0.627194	0.951119
786	ENSG00000070081.17	2856.852	0.077003	0.158559	0.485641	0.627222	0.951119
7566	ENSG00000166855.9	399.1508	-0.12666	0.260863	-0.48555	0.627287	0.951119
6227	ENSG00000152601.17	1204.582	-0.08285	0.170681	-0.48543	0.627369	0.951119
4780	ENSG00000135913.11	776.4487	0.098324	0.202603	0.485302	0.627462	0.951133
5419	ENSG00000141736.13	520.3414	-0.11765	0.242523	-0.4851	0.627607	0.951207
9382	ENSG00000185728.17	1214.924	0.098107	0.202295	0.48497	0.627698	0.951207
1749	ENSG00000101181.17	1630.765	0.078872	0.162691	0.484795	0.627821	0.951207
1208	ENSG00000086232.13	1908.069	-0.07751	0.159929	-0.48463	0.627939	0.951207
1479	ENSG00000099219.14	267.6145	-0.12705	0.262193	-0.48455	0.627996	0.951207
8276	ENSG00000172775.17	1230.927	-0.08029	0.165728	-0.48444	0.628072	0.951207
6222	ENSG00000152520.14	417.7003	0.103755	0.214235	0.484302	0.628172	0.951207
1065	ENSG00000080603.17	4399.685	-0.07316	0.151089	-0.48423	0.628223	0.951207
4076	ENSG00000128915.12	800.7439	0.096838	0.200047	0.484079	0.62833	0.951207
11301	ENSG00000279457.4	557.9352	0.104562	0.216019	0.484044	0.628355	0.951207
77	ENSG00000005812.11	784.6745	-0.09139	0.188849	-0.48394	0.62843	0.951207
11051	ENSG00000261963.3	352.4703	0.115567	0.238938	0.483671	0.62862	0.951273
3320	ENSG00000118217.6	880.7751	-0.09364	0.193637	-0.48359	0.628677	0.951273
4866	ENSG00000136603.14	847.9585	0.103859	0.214796	0.483523	0.628724	0.951273
2315	ENSG00000106524.9	171.557	-0.13431	0.277931	-0.48324	0.628926	0.951425
6196	ENSG00000152217.19	480.6718	-0.10628	0.220007	-0.48306	0.629051	0.951425
10648	ENSG00000234745.11	340.1736	-0.11838	0.2451	-0.48299	0.629101	0.951425
3892	ENSG00000126012.12	4388.782	-0.07955	0.16472	-0.48291	0.629159	0.951425
1214	ENSG00000086589.12	1241.014	-0.0808	0.167422	-0.48259	0.629387	0.951581
6289	ENSG00000153790.12	236.682	0.132492	0.274577	0.482531	0.629429	0.951581
3916	ENSG00000126351.13	1117.868	0.081908	0.169827	0.482303	0.62959	0.951699
378	ENSG00000037897.17	188.9711	0.131843	0.273666	0.481766	0.629972	0.952081
40	ENSG00000004660.15	2296.243	-0.07559	0.156947	-0.4816	0.630089	0.952081
5943	ENSG00000148153.14	538.698	0.100094	0.20784	0.481594	0.630094	0.952081
4473	ENSG00000133026.13	6518.136	-0.07324	0.152281	-0.48098	0.630533	0.952088
9659	ENSG00000196169.15	930.6368	0.087696	0.182467	0.480615	0.63079	0.952088
5522	ENSG00000143179.16	1359.919	-0.08628	0.179529	-0.48059	0.63081	0.952088

5858	ENSG00000146918.20	1550.217	-0.07783	0.161958	-0.48057	0.630819	0.952088
9897	ENSG00000197857.14	178.4686	-0.13239	0.275638	-0.48029	0.631019	0.952088
369	ENSG00000036549.13	729.84	0.09148	0.190488	0.480237	0.631059	0.952088
463	ENSG00000049860.14	2297.913	0.076826	0.159976	0.480236	0.63106	0.952088
10855	ENSG00000249158.7	430.9053	-0.11893	0.247666	-0.48021	0.631081	0.952088
5773	ENSG00000145734.19	1299.192	-0.08586	0.178806	-0.48017	0.631109	0.952088
5495	ENSG00000142875.19	984.6966	0.094236	0.196298	0.480068	0.631179	0.952088
2062	ENSG00000104381.14	1212.287	-0.08265	0.172192	-0.48	0.631226	0.952088
11125	ENSG00000269190.6	2480.406	0.073127	0.152353	0.479982	0.63124	0.952088
2118	ENSG00000104889.7	1816.382	0.075179	0.156631	0.479977	0.631244	0.952088
6349	ENSG00000154723.12	1289.143	0.085141	0.177412	0.479908	0.631293	0.952088
3442	ENSG00000119878.6	362.5786	-0.12444	0.259416	-0.4797	0.631438	0.952088
2737	ENSG00000111716.14	4212.102	0.073851	0.153966	0.47966	0.631469	0.952088
4619	ENSG00000134574.12	591.3674	0.094004	0.196048	0.479498	0.631585	0.952088
5179	ENSG00000139209.16	639.5509	0.10542	0.219868	0.479471	0.631604	0.952088
4407	ENSG00000132475.10	5758.808	0.069441	0.144908	0.479209	0.63179	0.952102
5142	ENSG00000138758.11	1740.769	0.082826	0.17294	0.478927	0.631991	0.952102
2399	ENSG00000107679.14	561.2506	0.098936	0.206596	0.478885	0.63202	0.952102
709	ENSG00000067167.8	2115.634	0.097856	0.204349	0.478868	0.632033	0.952102
4973	ENSG00000137312.15	4866.746	-0.07226	0.150938	-0.47871	0.632144	0.952102
3500	ENSG00000120727.13	1011.156	0.088838	0.185606	0.478639	0.632195	0.952102
3111	ENSG00000115935.17	205.3919	0.140542	0.293742	0.478455	0.632326	0.952102
973	ENSG00000076928.18	2180.474	0.087018	0.1819	0.478386	0.632376	0.952102
10287	ENSG00000205763.13	185.0676	0.129673	0.271219	0.478113	0.63257	0.952102
3	ENSG00000000460.17	254.1376	-0.13002	0.271986	-0.47806	0.63261	0.952102
4436	ENSG00000132676.16	1692.615	-0.07569	0.158333	-0.47803	0.632626	0.952102
3240	ENSG00000117174.11	282.9495	0.11668	0.244113	0.477975	0.632668	0.952102
9892	ENSG00000197798.9	315.0681	0.118471	0.247902	0.477895	0.632725	0.952102
8696	ENSG00000177519.4	222.3119	0.128035	0.267985	0.477769	0.632814	0.952102
6483	ENSG00000156787.17	157.417	-0.13895	0.290944	-0.4776	0.632937	0.952102
7611	ENSG00000167183.3	286.7078	0.142698	0.29887	0.47746	0.633035	0.952102
6220	ENSG00000152495.11	516.9037	-0.09734	0.203907	-0.47737	0.633102	0.952102
6689	ENSG00000159640.16	2533.935	0.072281	0.151424	0.477342	0.633118	0.952102
9278	ENSG00000184860.10	600.7434	-0.12088	0.253383	-0.47707	0.633316	0.952135
10235	ENSG00000204954.10	254.5748	0.118814	0.249101	0.476971	0.633383	0.952135
2136	ENSG00000105053.11	1315.112	-0.0786	0.164853	-0.47682	0.633492	0.952135
7448	ENSG00000166025.18	846.3041	-0.10175	0.213392	-0.4768	0.633505	0.952135
5860	ENSG00000146963.18	1981.11	-0.07528	0.157955	-0.47661	0.633638	0.952135
1459	ENSG00000096070.19	3149.247	-0.07892	0.165587	-0.4766	0.633646	0.952135
4264	ENSG00000130939.20	2236.202	-0.07958	0.167006	-0.47649	0.633726	0.952135
5514	ENSG00000143153.13	1708.114	0.077119	0.161934	0.476238	0.633905	0.952253
7630	ENSG00000167323.11	2585.754	-0.08036	0.168785	-0.47613	0.633982	0.952253
9017	ENSG00000182093.16	948.5809	-0.08433	0.177232	-0.47583	0.634193	0.952253
9736	ENSG00000196632.10	217.5286	-0.1281	0.269349	-0.47559	0.634368	0.952253
824	ENSG00000071242.12	951.7779	-0.08956	0.188321	-0.47557	0.634378	0.952253
1699	ENSG00000100823.12	3131.977	-0.07621	0.160262	-0.47556	0.634387	0.952253
949	ENSG00000075945.13	639.173	0.090061	0.189379	0.475558	0.634389	0.952253
2066	ENSG00000104413.18	1661.731	0.076083	0.160045	0.475387	0.634511	0.952311
8009	ENSG00000170265.12	3109.953	0.072478	0.15257	0.475045	0.634755	0.952352
6998	ENSG00000163069.13	1267.765	0.086575	0.18231	0.474874	0.634876	0.952352
7921	ENSG00000169515.8	290.0844	0.114389	0.240916	0.474808	0.634924	0.952352
8456	ENSG00000174720.16	961.2506	0.087901	0.185143	0.474774	0.634948	0.952352

1820	ENSG00000101746.15	1321.338	-0.08314	0.175145	-0.47467	0.635023	0.952352
5150	ENSG00000138778.13	599.9348	0.092258	0.194426	0.474516	0.635132	0.952352
1944	ENSG00000103067.14	1609.793	0.076106	0.160455	0.474315	0.635275	0.952352
2504	ENSG00000108733.11	179.8504	-0.12934	0.27274	-0.47423	0.635339	0.952352
383	ENSG00000038358.15	3907.021	0.070816	0.149368	0.474101	0.635428	0.952352
10066	ENSG00000198833.7	1835.569	-0.08079	0.170537	-0.47377	0.635667	0.952352
2636	ENSG00000110442.12	2024.069	-0.07364	0.155469	-0.47367	0.635737	0.952352
514	ENSG00000055044.11	1413.26	0.079644	0.168156	0.473632	0.635762	0.952352
5382	ENSG00000141480.18	2118.55	-0.07641	0.161348	-0.47357	0.635805	0.952352
9387	ENSG00000185787.15	3839.788	0.089862	0.189783	0.473498	0.635858	0.952352
9094	ENSG00000182872.16	3915.1	-0.0797	0.168328	-0.47346	0.635886	0.952352
107	ENSG00000006634.8	591.2252	0.095136	0.20104	0.473217	0.636058	0.952352
5268	ENSG00000140320.12	2540.891	0.079055	0.167236	0.472716	0.636416	0.952352
7640	ENSG00000167395.10	1290.892	-0.08219	0.173874	-0.47267	0.636449	0.952352
3091	ENSG00000115738.10	3783.498	-0.07056	0.149285	-0.47264	0.636473	0.952352
7534	ENSG00000166562.9	3730.535	0.074147	0.156932	0.472478	0.636586	0.952352
6884	ENSG00000162086.16	661.777	-0.08968	0.189812	-0.47247	0.63659	0.952352
7184	ENSG00000164096.13	784.6104	0.086162	0.182371	0.472452	0.636604	0.952352
2811	ENSG00000112378.12	2099.47	-0.07594	0.160864	-0.47211	0.63685	0.952352
10106	ENSG00000198924.8	229.8931	0.126758	0.268546	0.472018	0.636914	0.952352
6961	ENSG00000162813.18	386.0925	-0.10381	0.219929	-0.472	0.636929	0.952352
11320	ENSG00000281649.2	1313.984	-0.08613	0.182641	-0.4716	0.637211	0.952352
4664	ENSG00000134986.14	1534.908	0.097736	0.207248	0.47159	0.63722	0.952352
1494	ENSG00000099622.14	2310.904	0.072113	0.152934	0.47153	0.637262	0.952352
6948	ENSG00000162704.16	2723.515	0.093847	0.199091	0.471379	0.63737	0.952352
9217	ENSG00000184162.15	500.3228	0.09436	0.200275	0.471151	0.637533	0.952352
5746	ENSG00000145349.17	982.8837	-0.0915	0.194202	-0.47115	0.637537	0.952352
2549	ENSG00000109184.15	565.6429	-0.09953	0.211334	-0.47098	0.637652	0.952352
4691	ENSG00000135245.10	599.3099	-0.10102	0.214486	-0.47098	0.637654	0.952352
1629	ENSG00000100410.8	517.0825	0.10521	0.223533	0.470666	0.637879	0.952352
1193	ENSG00000085832.17	1020.817	-0.08792	0.186848	-0.47052	0.637985	0.952352
3300	ENSG00000117751.18	858.9018	-0.0965	0.205142	-0.47042	0.638051	0.952352
8582	ENSG00000176102.13	805.0478	0.088012	0.187119	0.470355	0.638101	0.952352
4481	ENSG00000133103.17	575.7563	0.105506	0.224322	0.470332	0.638118	0.952352
10616	ENSG00000232119.8	639.3377	-0.09615	0.20447	-0.47023	0.63819	0.952352
3624	ENSG00000122741.16	1018.961	-0.08882	0.188988	-0.46999	0.63836	0.952352
3252	ENSG00000117385.16	2959.242	-0.07654	0.162904	-0.46985	0.638465	0.952352
6838	ENSG00000161277.11	426.2398	-0.09959	0.211972	-0.46982	0.638486	0.952352
9904	ENSG00000197903.8	754.8815	-0.09458	0.201307	-0.46981	0.638492	0.952352
3946	ENSG00000126787.13	482.2685	0.09584	0.204052	0.469687	0.638578	0.952352
8946	ENSG00000180957.18	1747.815	-0.07513	0.159976	-0.46965	0.638609	0.952352
9034	ENSG00000182197.12	565.3303	-0.09523	0.202856	-0.46942	0.638766	0.952352
5124	ENSG00000138642.15	229.0781	-0.12178	0.259477	-0.46933	0.638832	0.952352
5699	ENSG00000144736.14	261.3484	0.1295	0.275947	0.469294	0.638859	0.952352
1796	ENSG00000101452.15	490.4661	-0.09942	0.211867	-0.46928	0.638871	0.952352
4134	ENSG00000129691.16	887.1197	-0.08405	0.179216	-0.46898	0.639085	0.952352
1469	ENSG00000096746.17	4309.987	0.069953	0.149208	0.468827	0.639193	0.952352
7614	ENSG00000167196.14	736.8809	0.09581	0.204408	0.46872	0.63927	0.952352
1088	ENSG00000081377.17	507.0065	-0.09612	0.205143	-0.46855	0.639391	0.952352
300	ENSG00000023697.13	617.9301	0.090143	0.192411	0.468493	0.639432	0.952352
3602	ENSG00000122484.9	449.8662	0.101477	0.216663	0.468364	0.639525	0.952352
7815	ENSG00000168646.13	164.5414	-0.13331	0.284668	-0.46831	0.639566	0.952352

6085	ENSG00000150455.13	304.2714	-0.106	0.226422	-0.46813	0.639691	0.952352
7519	ENSG00000166477.13	689.6652	0.085823	0.183358	0.468064	0.639739	0.952352
6438	ENSG00000156110.14	450.9499	-0.10414	0.222497	-0.46804	0.639756	0.952352
735	ENSG00000068028.17	684.5052	-0.08964	0.191565	-0.46792	0.639845	0.952352
9598	ENSG00000188766.12	280.9586	-0.11057	0.23631	-0.4679	0.639856	0.952352
3034	ENSG00000115234.11	2846.075	0.075758	0.161983	0.467693	0.640004	0.952352
99	ENSG00000006459.11	867.08	-0.11183	0.239118	-0.46768	0.640013	0.952352
2087	ENSG00000104687.14	1574.963	-0.08077	0.17273	-0.46759	0.640076	0.952352
8956	ENSG00000181035.14	634.984	0.101292	0.216629	0.467585	0.640082	0.952352
11152	ENSG00000271121.2	176.2873	0.142196	0.304154	0.467513	0.640133	0.952352
8959	ENSG00000181061.14	1473.043	0.088115	0.188481	0.4675	0.640142	0.952352
10034	ENSG00000198728.11	2891.365	0.070165	0.150166	0.467246	0.640324	0.952422
7195	ENSG00000164144.16	558.977	0.099216	0.212364	0.4672	0.640357	0.952422
3214	ENSG00000116898.12	1342.326	-0.076	0.163003	-0.46623	0.64105	0.953328
9555	ENSG00000188227.13	402.921	-0.11873	0.254837	-0.4659	0.641285	0.953363
11323	ENSG00000282164.3	319.1654	-0.11735	0.25212	-0.46545	0.641607	0.953363
1326	ENSG00000089916.18	853.3097	-0.08595	0.184667	-0.46543	0.641622	0.953363
4295	ENSG00000131238.18	2468.333	-0.07942	0.170674	-0.46532	0.641701	0.953363
4851	ENSG00000136451.9	1133.384	0.0827	0.17773	0.465314	0.641707	0.953363
6265	ENSG00000153201.16	3066.186	-0.0791	0.170019	-0.46524	0.641759	0.953363
815	ENSG00000070961.15	2979.967	-0.07657	0.164707	-0.46487	0.642025	0.953363
4351	ENSG00000131873.7	286.5797	-0.11686	0.25139	-0.46484	0.642047	0.953363
996	ENSG00000077549.19	5692.382	0.066977	0.144217	0.464418	0.642348	0.953363
489	ENSG00000052802.13	10483.35	0.068004	0.146444	0.464365	0.642386	0.953363
10332	ENSG00000213214.5	440.2596	-0.09672	0.208312	-0.4643	0.642436	0.953363
4577	ENSG00000134198.10	1149.174	0.080884	0.174271	0.464124	0.642559	0.953363
2739	ENSG00000111726.13	1186.512	-0.07757	0.167151	-0.46409	0.642584	0.953363
7433	ENSG00000165914.15	870.7905	-0.08779	0.189196	-0.46403	0.642629	0.953363
4378	ENSG00000132294.15	1986.081	-0.08103	0.174628	-0.464	0.642649	0.953363
6283	ENSG00000153574.9	307.9604	-0.10517	0.226708	-0.46392	0.642706	0.953363
7889	ENSG00000169203.16	472.3078	0.096271	0.207519	0.463914	0.64271	0.953363
9918	ENSG00000197977.4	2018.967	-0.07951	0.171392	-0.4639	0.64272	0.953363
1709	ENSG00000100902.11	1261.531	0.090236	0.194613	0.463671	0.642884	0.953363
9619	ENSG00000189057.11	459.1663	0.097274	0.209864	0.463511	0.642998	0.953363
9994	ENSG00000198522.14	472.3371	0.114102	0.246288	0.46329	0.643157	0.953363
1559	ENSG00000100124.15	1151.346	-0.07882	0.170144	-0.46328	0.643165	0.953363
9925	ENSG00000198018.7	413.6541	-0.10298	0.22231	-0.46324	0.643191	0.953363
7150	ENSG00000163964.16	1036.773	-0.08264	0.178428	-0.46315	0.643257	0.953363
4062	ENSG00000128694.12	170.9292	-0.13069	0.282195	-0.46313	0.643268	0.953363
5085	ENSG00000138346.15	368.2176	-0.10341	0.223354	-0.46298	0.643378	0.953363
3006	ENSG00000114933.16	382.7768	0.113658	0.245499	0.462969	0.643387	0.953363
9456	ENSG00000186635.14	4037.439	0.08172	0.176556	0.462853	0.643469	0.953363
8413	ENSG00000174233.11	2044.633	-0.07981	0.172467	-0.46277	0.643531	0.953363
6011	ENSG00000149150.9	240.9817	0.129672	0.280255	0.462692	0.643585	0.953363
1218	ENSG00000086712.13	949.7646	-0.0829	0.179284	-0.46241	0.643789	0.953541
1875	ENSG00000102309.15	333.8336	0.103644	0.224341	0.461992	0.644087	0.953697
7449	ENSG00000166037.11	1007.993	0.086371	0.186959	0.461978	0.644097	0.953697
5618	ENSG00000143819.12	5594.618	0.066824	0.144669	0.46191	0.644146	0.953697
4879	ENSG00000136720.7	3942.332	0.072044	0.156117	0.461476	0.644457	0.953806
2693	ENSG00000111276.11	694.8751	0.09587	0.207747	0.461472	0.64446	0.953806
9419	ENSG00000186130.5	225.7702	0.127502	0.276302	0.461457	0.644471	0.953806
10505	ENSG00000223496.3	1869.344	-0.07774	0.168545	-0.46125	0.644621	0.953856

6259	ENSG00000153113.24	1686.931	-0.07481	0.162238	-0.46113	0.644702	0.953856
4478	ENSG00000133059.17	476.8623	-0.09846	0.213647	-0.46084	0.644914	0.953856
10305	ENSG00000206573.9	411.9721	-0.11349	0.246307	-0.46078	0.644953	0.953856
9147	ENSG00000183458.14	1786.055	-0.1037	0.22506	-0.46076	0.644973	0.953856
8178	ENSG00000171714.12	405.0524	0.128539	0.279003	0.46071	0.645007	0.953856
1430	ENSG00000094880.11	799.7484	-0.09277	0.201451	-0.4605	0.645155	0.953883
11164	ENSG00000272143.1	198.2951	-0.128	0.277981	-0.46045	0.645192	0.953883
2929	ENSG00000113845.10	861.0241	0.081734	0.177581	0.46026	0.645329	0.953961
7587	ENSG00000166971.17	387.0573	-0.09802	0.213148	-0.45985	0.645624	0.954272
5729	ENSG00000145087.13	684.359	-0.09615	0.20918	-0.45966	0.645758	0.954347
460	ENSG00000049656.14	4194.719	-0.06991	0.152307	-0.45902	0.646217	0.954902
10195	ENSG00000204438.11	708.4911	0.08353	0.182044	0.458849	0.646343	0.954936
5856	ENSG00000146904.9	204.7479	-0.12394	0.2702	-0.45871	0.646443	0.954936
5227	ENSG00000139697.14	1410.391	-0.07532	0.16429	-0.45846	0.64662	0.954936
4455	ENSG00000132825.7	444.5799	-0.09819	0.214257	-0.45828	0.646748	0.954936
7125	ENSG00000163875.16	1937.492	0.083275	0.181745	0.458199	0.64681	0.954936
8852	ENSG00000179387.10	720.7411	0.101786	0.222147	0.458192	0.646815	0.954936
6267	ENSG00000153214.11	574.4937	0.090961	0.198803	0.457543	0.647281	0.954936
2598	ENSG00000109971.14	26507.34	-0.07175	0.156937	-0.45721	0.647518	0.954936
1289	ENSG00000089006.16	1878.13	0.072179	0.157913	0.457082	0.647612	0.954936
1077	ENSG00000080986.13	538.6237	0.091445	0.200274	0.456599	0.647959	0.954936
2382	ENSG00000107372.13	2501.928	-0.07359	0.161218	-0.45648	0.648046	0.954936
8092	ENSG00000170949.17	251.9436	-0.1181	0.258794	-0.45635	0.648136	0.954936
9469	ENSG00000186866.16	1234.367	-0.08284	0.181621	-0.45611	0.648312	0.954936
5767	ENSG00000145632.15	1808.607	-0.07755	0.170074	-0.45595	0.648425	0.954936
3574	ENSG00000121957.15	483.1798	0.093453	0.20511	0.455623	0.648661	0.954936
10904	ENSG00000253982.2	179.8178	0.13969	0.306656	0.455528	0.648729	0.954936
5716	ENSG00000144867.12	1543.265	-0.08071	0.177226	-0.4554	0.64882	0.954936
5470	ENSG00000142552.8	310.6012	0.120131	0.263863	0.455278	0.648909	0.954936
5641	ENSG00000144040.13	1230.553	-0.07487	0.164509	-0.45511	0.649032	0.954936
5815	ENSG00000146243.14	200.6564	0.131198	0.288313	0.455052	0.649072	0.954936
8850	ENSG00000179361.17	1684.763	-0.07493	0.164675	-0.45504	0.649078	0.954936
2574	ENSG00000109618.12	157.5777	0.140623	0.309037	0.455035	0.649084	0.954936
592	ENSG00000062650.19	910.9041	0.082468	0.181246	0.455005	0.649106	0.954936
6610	ENSG00000158545.16	2814.543	-0.07209	0.158463	-0.45495	0.649145	0.954936
1700	ENSG00000100836.10	4399.687	-0.07	0.153857	-0.45495	0.649147	0.954936
9638	ENSG00000189319.14	299.051	0.104009	0.228687	0.454811	0.649245	0.954936
6017	ENSG00000149212.12	1242.174	0.095028	0.208946	0.454799	0.649254	0.954936
1051	ENSG00000079785.15	3129.562	0.068823	0.151417	0.454525	0.649451	0.954936
9078	ENSG00000182712.16	220.6116	0.118226	0.260159	0.454437	0.649514	0.954936
6336	ENSG00000154447.15	362.9606	0.0993	0.218624	0.454204	0.649682	0.954936
1127	ENSG00000083444.17	4777.838	0.067234	0.148029	0.45419	0.649692	0.954936
7778	ENSG00000168291.13	1780.407	-0.0731	0.160981	-0.4541	0.649756	0.954936
5531	ENSG00000143252.15	1488.614	0.089302	0.196775	0.45383	0.649951	0.954936
969	ENSG00000076685.19	886.4683	-0.09509	0.209531	-0.45383	0.649954	0.954936
2452	ENSG00000108256.9	1515.201	0.097437	0.214703	0.453824	0.649955	0.954936
1735	ENSG00000101084.18	2683.912	0.080911	0.178296	0.453802	0.649971	0.954936
11352	ENSG00000285053.1	200.8411	0.124211	0.273734	0.453765	0.649998	0.954936
8833	ENSG00000179152.20	350.4269	-0.10385	0.228925	-0.45365	0.650078	0.954936
744	ENSG00000068354.16	1798.422	0.077059	0.169881	0.453605	0.650113	0.954936
688	ENSG00000066427.24	192.1087	0.123745	0.272939	0.453378	0.650276	0.954936
9955	ENSG00000198198.17	2374.967	0.084371	0.186242	0.453015	0.650538	0.954936

1468	ENSG00000096717.12	557.33	0.089097	0.196707	0.452942	0.650591	0.954936
3099	ENSG00000115808.12	431.536	-0.10959	0.242005	-0.45285	0.650657	0.954936
3827	ENSG00000125651.14	2445.672	-0.0732	0.161675	-0.45276	0.650722	0.954936
6538	ENSG00000157540.22	1070.746	0.078762	0.173991	0.452677	0.650782	0.954936
2042	ENSG00000104205.16	412.1106	-0.10603	0.234267	-0.45259	0.650844	0.954936
11210	ENSG00000273899.5	306.4354	-0.11229	0.248126	-0.45255	0.65087	0.954936
5537	ENSG00000143315.8	1159.038	-0.07902	0.174613	-0.45254	0.650881	0.954936
6343	ENSG00000154582.17	721.7948	0.082872	0.183203	0.452352	0.651015	0.954936
8213	ENSG00000172046.19	2621.486	-0.07234	0.159921	-0.45233	0.651028	0.954936
1363	ENSG00000090989.18	379.8653	0.106684	0.235897	0.452248	0.65109	0.954936
756	ENSG00000068745.15	3144.382	-0.0689	0.152375	-0.45216	0.651155	0.954936
5717	ENSG00000144868.13	456.2471	0.113628	0.2514	0.451982	0.651282	0.954936
3339	ENSG00000118600.12	580.6219	-0.08808	0.194876	-0.45198	0.651284	0.954936
9672	ENSG00000196262.14	18075.74	0.068253	0.151023	0.451936	0.651315	0.954936
10325	ENSG00000213079.10	1376.434	0.078354	0.173391	0.45189	0.651348	0.954936
10536	ENSG00000225190.11	669.7827	0.086773	0.192117	0.451667	0.651509	0.954936
8173	ENSG00000171634.18	3634.57	0.072456	0.160446	0.451593	0.651562	0.954936
6650	ENSG00000159110.20	484.4316	-0.09893	0.219102	-0.45152	0.651615	0.954936
2634	ENSG00000110429.14	710.6496	0.092736	0.205472	0.451332	0.65175	0.954936
4888	ENSG00000136807.14	1678.57	-0.07412	0.164286	-0.45115	0.651885	0.954936
3943	ENSG00000126775.9	181.5303	-0.12514	0.277576	-0.45084	0.652108	0.954936
1308	ENSG00000089248.7	8957.53	0.065553	0.145446	0.450705	0.652202	0.954936
6704	ENSG00000159873.10	693.1846	-0.09123	0.202455	-0.4506	0.652277	0.954936
4247	ENSG00000130787.14	4388.724	-0.07462	0.165677	-0.45038	0.652437	0.954936
10430	ENSG00000214941.8	296.738	-0.10328	0.229386	-0.45024	0.652537	0.954936
7877	ENSG00000169118.18	516.7844	-0.08794	0.195384	-0.45008	0.65265	0.954936
864	ENSG00000072756.17	241.2332	-0.1216	0.270246	-0.44997	0.652733	0.954936
9374	ENSG00000185651.15	3950.183	-0.06793	0.151005	-0.44984	0.652823	0.954936
1355	ENSG00000090861.17	7808.516	-0.07589	0.168704	-0.44982	0.652839	0.954936
4767	ENSG00000135823.14	708.5589	0.086186	0.191663	0.449673	0.652947	0.954936
5303	ENSG00000140553.18	4349.926	0.076567	0.170288	0.44963	0.652977	0.954936
666	ENSG00000065802.12	1570.287	0.096016	0.213701	0.449301	0.653214	0.954936
8075	ENSG00000170852.11	723.3186	-0.08319	0.18516	-0.4493	0.653215	0.954936
7885	ENSG00000169180.12	3953.796	0.071017	0.158063	0.449294	0.65322	0.954936
3266	ENSG00000117479.15	286.3882	-0.10706	0.238349	-0.44917	0.653306	0.954936
7974	ENSG00000169955.7	960.8498	0.080057	0.178236	0.449162	0.653315	0.954936
8384	ENSG00000173875.14	494.7865	-0.10201	0.227278	-0.44882	0.65356	0.954936
1278	ENSG00000088833.17	2614.565	-0.07476	0.166655	-0.4486	0.653722	0.954936
7530	ENSG00000166529.15	304.0048	-0.10578	0.235813	-0.44859	0.653725	0.954936
3566	ENSG00000121851.13	429.9532	0.105577	0.235357	0.448581	0.653734	0.954936
5754	ENSG00000145391.13	277.0932	-0.11312	0.252186	-0.44858	0.653737	0.954936
5678	ENSG00000144559.10	197.7402	0.11851	0.264345	0.448314	0.653926	0.954936
6164	ENSG00000151694.14	860.7268	0.081636	0.182133	0.448223	0.653992	0.954936
6266	ENSG00000153207.16	826.9787	0.111825	0.249496	0.448205	0.654006	0.954936
1952	ENSG00000103150.7	775.7219	0.080207	0.179149	0.447714	0.65436	0.954936
8427	ENSG00000174405.13	471.6497	-0.08958	0.200228	-0.44739	0.65459	0.954936
6194	ENSG00000152147.11	201.0933	-0.12662	0.283069	-0.4473	0.654655	0.954936
3016	ENSG00000115053.16	10126.38	-0.06538	0.146177	-0.44729	0.654665	0.954936
4640	ENSG00000134779.15	2016.532	0.074112	0.16576	0.447106	0.654799	0.954936
1866	ENSG00000102189.17	584.4025	0.101472	0.226984	0.447043	0.654844	0.954936
4547	ENSG00000133884.10	1848.302	-0.0699	0.156495	-0.44667	0.655115	0.954936
8624	ENSG00000176619.13	2723.522	-0.06984	0.156392	-0.44656	0.655192	0.954936

3685	ENSG00000123609.11	166.2147	0.126209	0.282718	0.446412	0.6553	0.954936
2322	ENSG00000106603.19	781.9646	0.095088	0.213014	0.446392	0.655314	0.954936
128	ENSG00000007392.17	2046.184	-0.07987	0.178978	-0.44627	0.655401	0.954936
7736	ENSG00000168010.11	1202.871	-0.07995	0.179199	-0.44616	0.655482	0.954936
4586	ENSG00000134255.14	377.2869	0.106957	0.239804	0.446019	0.655583	0.954936
9992	ENSG00000198517.10	372.0752	0.103924	0.233075	0.445882	0.655682	0.954936
5791	ENSG00000145919.11	1265.222	0.075823	0.170057	0.445865	0.655695	0.954936
9115	ENSG00000183044.12	1754.473	-0.09283	0.208303	-0.44567	0.655836	0.954936
2972	ENSG00000114503.11	1103.393	0.07538	0.169185	0.445547	0.655925	0.954936
10530	ENSG00000224870.7	745.4557	-0.08318	0.186698	-0.44555	0.655925	0.954936
11373	ENSG00000286388.1	313.7667	-0.10159	0.228057	-0.44548	0.655975	0.954936
6988	ENSG00000162992.4	6551.331	-0.06442	0.144689	-0.44524	0.656145	0.954936
2454	ENSG00000108298.11	12723.95	0.06956	0.156238	0.445216	0.656164	0.954936
5946	ENSG00000148180.20	1369.152	-0.07273	0.163365	-0.44518	0.656187	0.954936
7715	ENSG00000167920.10	352.9016	0.111087	0.249613	0.445038	0.656292	0.954936
2424	ENSG00000107902.14	445.2449	0.098569	0.221618	0.444767	0.656488	0.954936
6566	ENSG00000157911.11	964.2846	0.077039	0.17323	0.444723	0.65652	0.954936
5639	ENSG00000144034.16	326.59	0.10097	0.227049	0.444705	0.656533	0.954936
3614	ENSG00000122642.11	1749.136	-0.07211	0.16226	-0.4444	0.656754	0.954936
531	ENSG00000056972.20	413.4253	-0.09325	0.20995	-0.44417	0.656919	0.954936
2108	ENSG00000104859.15	1700.116	0.07943	0.178831	0.444163	0.656925	0.954936
11297	ENSG00000279233.1	300.7899	-0.10652	0.239835	-0.44414	0.656943	0.954936
5516	ENSG00000143156.14	196.2729	0.125151	0.281792	0.444126	0.656952	0.954936
9414	ENSG00000186063.13	667.3656	0.086775	0.195387	0.444118	0.656957	0.954936
7669	ENSG00000167604.14	207.0252	0.126494	0.284847	0.444078	0.656987	0.954936
1739	ENSG00000101126.18	5249.4	-0.06548	0.147474	-0.44404	0.657011	0.954936
8506	ENSG00000175197.12	513.4612	-0.08917	0.20084	-0.44397	0.657063	0.954936
8007	ENSG00000170260.9	488.3475	-0.08855	0.199464	-0.44395	0.657077	0.954936
2272	ENSG00000106052.13	862.5889	0.083088	0.187162	0.443936	0.657089	0.954936
2745	ENSG00000111785.21	375.0841	-0.09867	0.222278	-0.44391	0.657107	0.954936
10329	ENSG00000213178.3	490.9504	0.108187	0.243787	0.443775	0.657206	0.954936
8978	ENSG00000181449.4	158.3578	0.135165	0.304757	0.443515	0.657393	0.954936
2458	ENSG00000108344.15	3426.057	-0.0668	0.150629	-0.44349	0.657408	0.954936
4694	ENSG00000135269.18	1539.688	0.082469	0.18596	0.443479	0.657419	0.954936
9800	ENSG00000197050.11	162.7452	0.125178	0.282332	0.443373	0.657496	0.954936
396	ENSG00000040531.16	1399.014	-0.07199	0.162373	-0.44336	0.657507	0.954936
4932	ENSG00000137054.16	410.3622	-0.09364	0.211215	-0.44334	0.657521	0.954936
1886	ENSG00000102471.14	706.9693	0.100838	0.227684	0.442886	0.657848	0.954936
2520	ENSG00000108854.16	306.63	-0.10045	0.226887	-0.44272	0.657967	0.954936
9781	ENSG00000196943.14	1268.47	-0.07815	0.176528	-0.44272	0.657969	0.954936
9315	ENSG00000185129.8	886.3735	0.084745	0.191442	0.442665	0.658008	0.954936
170	ENSG00000009954.11	3535.978	-0.06709	0.151615	-0.44251	0.65812	0.954936
7978	ENSG00000169967.16	921.9963	0.093792	0.21199	0.442437	0.658173	0.954936
9499	ENSG00000187257.16	844.4514	0.079543	0.179825	0.442336	0.658246	0.954936
2637	ENSG00000110492.15	4941.941	0.065458	0.148023	0.442218	0.658332	0.954936
6	ENSG00000001167.14	462.6206	-0.10552	0.238612	-0.44221	0.658337	0.954936
3528	ENSG00000121057.13	1275.265	-0.0742	0.167816	-0.44213	0.658395	0.954936
8214	ENSG00000172053.18	3975.221	-0.07395	0.167322	-0.44199	0.658497	0.954936
577	ENSG00000060982.15	187.2664	-0.12128	0.274498	-0.44181	0.658627	0.954936
3235	ENSG00000117143.13	1075.089	0.075562	0.171047	0.441762	0.658661	0.954936
821	ENSG00000071127.17	6053.277	-0.06812	0.154239	-0.44163	0.658758	0.954936
3063	ENSG00000115446.12	558.7675	0.086192	0.195227	0.441499	0.658852	0.954936

3290	ENSG00000117643.14	774.7088	-0.07857	0.177963	-0.44149	0.658857	0.954936
10845	ENSG00000248485.2	212.5416	-0.12071	0.273434	-0.44144	0.658893	0.954936
2353	ENSG00000106948.17	225.025	0.126622	0.286995	0.441198	0.65907	0.954936
9733	ENSG00000196588.19	1470.904	0.079552	0.180325	0.44116	0.659097	0.954936
3663	ENSG00000123352.18	744.998	-0.08296	0.188132	-0.44096	0.659244	0.954936
2032	ENSG00000104093.14	2008.305	-0.07427	0.168439	-0.44094	0.659256	0.954936
10589	ENSG00000229180.7	622.9645	0.08671	0.196754	0.440704	0.659427	0.954936
1347	ENSG00000090612.22	670.1767	-0.08458	0.191947	-0.44064	0.659474	0.954936
7626	ENSG00000167291.16	3398.139	0.077153	0.175165	0.440457	0.659606	0.954936
2767	ENSG00000112029.10	443.9685	0.092285	0.209581	0.440332	0.659697	0.954936
9935	ENSG00000198060.10	767.3337	-0.09252	0.210155	-0.44023	0.659774	0.954936
7799	ENSG00000168495.13	1076.954	-0.08384	0.190473	-0.44016	0.659819	0.954936
1019	ENSG00000078668.14	2024.767	-0.07403	0.168192	-0.44014	0.659833	0.954936
7925	ENSG00000169592.15	2825.998	0.070947	0.161199	0.44012	0.65985	0.954936
3701	ENSG00000123992.19	1530.864	0.071415	0.162291	0.440042	0.659907	0.954936
7860	ENSG00000168994.14	205.1264	-0.11907	0.270602	-0.44	0.659936	0.954936
5412	ENSG00000141655.17	1806.52	-0.06968	0.158377	-0.43995	0.659975	0.954936
1049	ENSG00000079691.18	467.4014	-0.10303	0.234196	-0.43994	0.659982	0.954936
1134	ENSG00000083720.13	1035.571	-0.0773	0.175822	-0.43965	0.660188	0.954936
3618	ENSG00000122687.19	450.6934	-0.09084	0.206632	-0.43962	0.660214	0.954936
4392	ENSG00000132383.12	1836.371	-0.07256	0.165103	-0.43951	0.660293	0.954936
5844	ENSG00000146729.10	729.7216	-0.08932	0.20322	-0.43951	0.660293	0.954936
10517	ENSG00000223960.7	241.5482	0.114	0.25941	0.439459	0.660329	0.954936
2947	ENSG00000114166.8	751.3911	-0.07989	0.181875	-0.43924	0.660488	0.955045
6729	ENSG00000160194.18	1095.615	-0.07507	0.170993	-0.43903	0.660636	0.955138
7583	ENSG00000166946.14	522.8242	-0.08551	0.195143	-0.4382	0.661244	0.955822
6042	ENSG00000149483.12	681.9712	-0.08467	0.193237	-0.43815	0.661278	0.955822
8564	ENSG00000175879.9	160.3088	0.136894	0.312584	0.437943	0.661428	0.955918
1020	ENSG00000078674.18	2547.735	0.075408	0.172256	0.437768	0.661554	0.95598
2563	ENSG00000109466.14	802.4119	-0.07805	0.178474	-0.43734	0.661865	0.956046
10971	ENSG00000258301.3	660.4901	0.087843	0.200885	0.437279	0.661909	0.956046
9328	ENSG00000185238.13	240.0893	0.112886	0.258165	0.437263	0.66192	0.956046
3353	ENSG00000118898.16	13630.18	-0.06631	0.151681	-0.43717	0.661986	0.956046
7727	ENSG00000167985.7	836.8923	0.080777	0.184819	0.43706	0.662068	0.956046
9236	ENSG00000184304.16	543.631	0.084431	0.193202	0.43701	0.662104	0.956046
1702	ENSG00000100865.15	734.9796	-0.08386	0.192052	-0.43665	0.662368	0.956306
6391	ENSG00000155304.6	1026.764	0.094178	0.215771	0.436475	0.662492	0.956364
3271	ENSG00000117519.16	1068.702	0.083243	0.190923	0.436003	0.662834	0.956668
10132	ENSG00000203879.12	9887.201	-0.06907	0.158442	-0.43595	0.662871	0.956668
3401	ENSG00000119547.6	1569.235	-0.07168	0.164561	-0.43557	0.663145	0.956751
5000	ENSG00000137575.12	1708.842	0.074568	0.171206	0.435548	0.663165	0.956751
280	ENSG00000020426.11	390.9358	0.09477	0.217598	0.435526	0.66318	0.956751
5914	ENSG00000147676.14	3397.025	0.075662	0.173863	0.435182	0.66343	0.956981
2889	ENSG00000113407.14	3191.666	0.065667	0.150971	0.434967	0.663587	0.956981
9386	ENSG00000185753.13	649.1153	-0.08756	0.201317	-0.43492	0.663617	0.956981
8902	ENSG00000180185.11	1282.319	0.072005	0.165588	0.434843	0.663676	0.956981
5758	ENSG00000145476.16	425.5496	-0.09269	0.213382	-0.4344	0.663995	0.957319
3223	ENSG00000116985.12	1647.095	0.073736	0.169893	0.434014	0.664279	0.957551
10211	ENSG00000204590.12	3953.545	0.068261	0.157301	0.433952	0.664323	0.957551
3598	ENSG00000122417.15	161.0351	0.137178	0.316451	0.43349	0.664659	0.957718
3611	ENSG00000122566.21	13094.44	0.064902	0.149742	0.433422	0.664708	0.957718
1074	ENSG00000080845.17	9760.661	0.066801	0.154175	0.433279	0.664812	0.957718

1514	ENSG00000099889.14	2462.009	0.069164	0.159665	0.433183	0.664882	0.957718
2103	ENSG00000104825.17	623.4284	0.083863	0.193622	0.433128	0.664922	0.957718
6978	ENSG00000162928.9	369.3867	0.096026	0.221718	0.433097	0.664944	0.957718
5111	ENSG00000138592.14	875.6877	0.089527	0.207086	0.432317	0.665511	0.958414
603	ENSG00000063244.13	8149.974	-0.06265	0.145083	-0.43182	0.665874	0.958645
1942	ENSG00000103064.15	603.3787	-0.09973	0.230951	-0.43181	0.665876	0.958645
5182	ENSG00000139233.7	551.8083	0.086808	0.201123	0.431617	0.666019	0.958645
10873	ENSG00000250506.7	184.8786	-0.12319	0.285542	-0.43142	0.666161	0.958645
799	ENSG00000070476.15	892.056	-0.07664	0.177729	-0.43124	0.666292	0.958645
4777	ENSG00000135900.4	530.5615	0.088608	0.205573	0.431031	0.666446	0.958645
7154	ENSG00000164008.16	241.792	-0.10647	0.247073	-0.43094	0.666508	0.958645
6057	ENSG00000149646.12	408.0149	0.094375	0.219028	0.430879	0.666556	0.958645
11367	ENSG00000285967.1	579.1136	-0.09413	0.21857	-0.43068	0.666701	0.958645
2940	ENSG00000114098.18	744.9399	-0.0797	0.18509	-0.43058	0.666772	0.958645
5580	ENSG00000143549.21	6030.537	0.081763	0.189911	0.430532	0.666809	0.958645
9959	ENSG00000198242.14	7583.723	0.061779	0.143537	0.430407	0.666899	0.958645
7902	ENSG00000169255.15	441.9253	0.10026	0.232963	0.430372	0.666925	0.958645
9520	ENSG00000187713.7	1165.712	0.071293	0.16567	0.430332	0.666954	0.958645
857	ENSG00000072501.19	6845.165	-0.06895	0.160252	-0.43026	0.667004	0.958645
6618	ENSG00000158691.14	274.7378	0.110634	0.257262	0.430046	0.667162	0.958645
393	ENSG00000040275.17	664.7747	-0.07935	0.184542	-0.42996	0.667225	0.958645
5357	ENSG00000141198.16	2351.887	-0.06805	0.158309	-0.42985	0.667305	0.958645
6599	ENSG00000158417.11	3657.84	0.067351	0.15671	0.429785	0.667352	0.958645
3199	ENSG00000116741.8	170.4189	0.120097	0.279438	0.42978	0.667356	0.958645
175	ENSG00000010256.11	6490.499	0.068943	0.160461	0.42966	0.667443	0.95865
2389	ENSG00000107554.17	379.8174	-0.09167	0.213415	-0.42954	0.667532	0.958657
2939	ENSG00000114062.22	1936.391	0.080466	0.187417	0.429344	0.667673	0.958738
4686	ENSG00000135148.12	926.6868	-0.0817	0.190412	-0.42906	0.667879	0.958837
8406	ENSG00000174151.15	1237.881	-0.0761	0.177371	-0.42902	0.66791	0.958837
2931	ENSG00000113916.18	398.2366	0.095637	0.223376	0.428142	0.668548	0.959209
2777	ENSG00000112118.20	4398.922	-0.06819	0.159311	-0.42804	0.668621	0.959209
6466	ENSG00000156504.16	1099.82	-0.07862	0.183769	-0.42783	0.668776	0.959209
4698	ENSG00000135315.12	184.5627	-0.11935	0.279001	-0.42778	0.66881	0.959209
3659	ENSG00000123240.17	1017.92	-0.07417	0.173381	-0.42778	0.668812	0.959209
7164	ENSG00000164045.12	814.457	-0.08987	0.21012	-0.42768	0.668881	0.959209
4370	ENSG00000132182.12	11729.78	-0.06195	0.144859	-0.42767	0.668891	0.959209
9663	ENSG00000196208.14	216.8645	-0.11444	0.267603	-0.42766	0.668902	0.959209
7997	ENSG00000170113.16	864.7325	-0.0785	0.183623	-0.42751	0.669008	0.959209
7886	ENSG00000169188.5	793.3983	0.081953	0.1917	0.427505	0.669012	0.959209
9470	ENSG00000186868.16	217.7081	-0.11018	0.25785	-0.42729	0.669171	0.959317
513	ENSG00000054983.17	431.8521	-0.09588	0.224556	-0.42698	0.669396	0.959434
3583	ENSG00000122068.13	1317.578	0.098395	0.230536	0.426807	0.66952	0.959434
10534	ENSG00000225151.10	2838.057	0.071318	0.167134	0.426715	0.669587	0.959434
2140	ENSG00000105085.11	364.4754	-0.09161	0.214693	-0.42671	0.66959	0.959434
7718	ENSG00000167962.14	2987.953	0.066002	0.154734	0.426553	0.669705	0.959478
3468	ENSG00000120256.11	4797.862	-0.06426	0.150733	-0.42635	0.669854	0.959571
3349	ENSG00000118816.11	11001.06	0.060903	0.14295	0.426047	0.670074	0.95969
3755	ENSG00000124574.15	1488.243	-0.08495	0.199512	-0.42579	0.670262	0.95969
3953	ENSG00000126870.16	625.6626	0.087791	0.206197	0.425764	0.67028	0.95969
3563	ENSG00000121766.16	524.1703	-0.08667	0.203606	-0.42566	0.670358	0.95969
6254	ENSG00000153046.18	357.564	-0.09344	0.219509	-0.42566	0.670358	0.95969
8426	ENSG00000174373.16	1002.352	-0.07258	0.17081	-0.42491	0.670904	0.960211

10222	ENSG00000204682.8	158.5662	-0.12377	0.291366	-0.42479	0.670992	0.960211
1832	ENSG00000101871.16	434.0815	0.091055	0.214377	0.424742	0.671025	0.960211
6711	ENSG00000160051.12	221.386	-0.10826	0.254909	-0.42468	0.671068	0.960211
6330	ENSG00000154330.13	501.06	0.091372	0.215244	0.424506	0.671197	0.960211
884	ENSG00000073584.20	3445.475	0.076047	0.17918	0.424414	0.671264	0.960211
3764	ENSG00000124688.14	538.9699	0.089395	0.210664	0.424347	0.671313	0.960211
95	ENSG00000006377.11	399.1983	0.091157	0.21503	0.423927	0.671619	0.960402
4812	ENSG00000136141.15	230.1742	-0.11306	0.266871	-0.42366	0.671816	0.960402
5003	ENSG00000137656.12	431.1495	-0.09136	0.215709	-0.42352	0.671917	0.960402
9346	ENSG00000185418.16	318.482	-0.10036	0.23702	-0.42344	0.671973	0.960402
1305	ENSG00000089199.10	10436.27	-0.06357	0.150139	-0.42339	0.672013	0.960402
862	ENSG00000072682.18	1818.094	-0.07412	0.175099	-0.42332	0.672065	0.960402
3328	ENSG00000118402.6	970.9283	0.07911	0.186953	0.423155	0.672182	0.960402
7965	ENSG00000169903.7	205.077	0.115092	0.272082	0.423005	0.672291	0.960402
5369	ENSG00000141380.14	832.3531	0.07908	0.186954	0.422991	0.672302	0.960402
3471	ENSG00000120314.18	1220.651	-0.0719	0.170041	-0.42284	0.672414	0.960402
2683	ENSG00000111229.16	2369.917	0.075576	0.178742	0.422821	0.672426	0.960402
3673	ENSG00000123472.12	1129.475	-0.08166	0.193153	-0.42276	0.672469	0.960402
6528	ENSG00000157379.14	427.5119	0.093851	0.222049	0.422661	0.672543	0.960402
6169	ENSG00000151746.15	453.6624	-0.08592	0.203404	-0.4224	0.672732	0.960513
5181	ENSG00000139218.18	936.827	0.088932	0.210641	0.422199	0.67288	0.960513
2379	ENSG00000107341.5	3940.76	0.066839	0.158363	0.422058	0.672982	0.960513
8195	ENSG00000171861.11	338.9246	0.093178	0.220794	0.422013	0.673016	0.960513
6027	ENSG00000149289.11	312.6787	0.121951	0.289016	0.421952	0.67306	0.960513
8551	ENSG00000175662.18	1942.408	-0.06982	0.165506	-0.42186	0.673126	0.960513
7110	ENSG00000163807.6	706.0432	0.083838	0.198919	0.42147	0.673412	0.960761
6738	ENSG00000160216.21	1859.42	-0.06662	0.158195	-0.42115	0.673644	0.960761
9199	ENSG00000183889.12	4528.516	0.081932	0.194561	0.421111	0.673674	0.960761
9062	ENSG00000182541.18	1061.326	-0.07495	0.178025	-0.42102	0.673743	0.960761
8136	ENSG00000171311.13	336.4886	0.09726	0.23106	0.42093	0.673806	0.960761
2918	ENSG00000113732.9	1822.954	0.075637	0.179695	0.420921	0.673813	0.960761
6084	ENSG00000150433.9	227.5007	-0.10513	0.249828	-0.42081	0.673891	0.960761
3489	ENSG00000120686.12	924.5541	0.087291	0.207497	0.420688	0.673983	0.960772
5211	ENSG00000139579.13	1578.206	-0.06969	0.165754	-0.42045	0.674158	0.960901
9509	ENSG00000187555.16	3862.774	-0.06366	0.151515	-0.42013	0.674394	0.961006
3072	ENSG00000115520.8	185.6077	-0.12048	0.286817	-0.42006	0.674444	0.961006
10156	ENSG00000204179.10	476.5105	0.088614	0.210986	0.420001	0.674485	0.961006
7471	ENSG00000166188.2	601.3376	-0.08005	0.190743	-0.41968	0.67472	0.961124
4299	ENSG00000131323.16	1138.661	-0.08412	0.200446	-0.41965	0.67474	0.961124
6633	ENSG00000158828.8	2732.981	0.064145	0.152911	0.419492	0.674857	0.961124
5289	ENSG00000140455.17	548.9673	-0.08327	0.198525	-0.41943	0.674905	0.961124
10406	ENSG00000214193.11	270.3718	-0.10557	0.251892	-0.41909	0.67515	0.961257
4690	ENSG00000135241.17	802.71	0.081117	0.193566	0.419067	0.675167	0.961257
7875	ENSG00000169105.8	948.8117	0.082509	0.196945	0.418944	0.675257	0.961264
2252	ENSG00000105856.14	362.2242	-0.09775	0.233512	-0.41859	0.675513	0.961462
7738	ENSG00000168028.14	15941.8	0.063185	0.150983	0.418491	0.675588	0.961462
1089	ENSG00000081386.12	337.5491	-0.09633	0.230237	-0.41841	0.675649	0.961462
9311	ENSG00000185104.20	1726.705	-0.06823	0.1632	-0.4181	0.675876	0.961665
4217	ENSG00000130675.15	3099.012	-0.07024	0.168133	-0.41775	0.676133	0.961808
10400	ENSG00000214087.8	733.2595	0.079476	0.190259	0.417728	0.676146	0.961808
3051	ENSG00000115318.12	389.4166	0.090038	0.215696	0.417428	0.676365	0.961911
8791	ENSG00000178695.6	1984.537	-0.07134	0.170914	-0.4174	0.676388	0.961911

111	ENSG00000006712.15	1965.958	-0.06829	0.163695	-0.41719	0.67654	0.962008
8091	ENSG00000170946.15	468.0352	-0.08599	0.206214	-0.41699	0.676685	0.962094
7323	ENSG00000165097.16	462.6695	0.088351	0.212045	0.416659	0.676928	0.962229
10900	ENSG00000253816.3	187.2984	-0.12114	0.29079	-0.41658	0.676986	0.962229
5737	ENSG00000145246.14	614.6869	-0.0807	0.193816	-0.4164	0.677119	0.962229
6933	ENSG00000162613.17	1689.301	-0.07639	0.183457	-0.41637	0.677138	0.962229
9152	ENSG00000183496.6	397.577	0.089829	0.215798	0.416265	0.677216	0.962229
10784	ENSG00000243667.7	160.2561	-0.12229	0.293858	-0.41617	0.677287	0.962229
3728	ENSG00000124228.14	2445.029	-0.06882	0.165487	-0.41584	0.677528	0.962391
4563	ENSG00000134057.15	1429.198	-0.06768	0.162819	-0.41565	0.677668	0.962391
8851	ENSG00000179364.14	3625.978	0.067248	0.161814	0.415587	0.677712	0.962391
5300	ENSG00000140543.15	178.4151	-0.12669	0.30488	-0.41555	0.677739	0.962391
8044	ENSG00000170561.13	887.6837	-0.07621	0.183475	-0.41538	0.677867	0.962453
7334	ENSG00000165185.15	978.7475	-0.08115	0.195473	-0.41512	0.678052	0.962588
2815	ENSG00000112419.14	1126.049	-0.0846	0.203934	-0.41485	0.678252	0.962588
8227	ENSG00000172239.14	1586.866	0.070342	0.169561	0.414848	0.678253	0.962588
6648	ENSG00000159082.18	439.5079	-0.09139	0.220321	-0.41478	0.678301	0.962588
5565	ENSG00000143443.10	716.5959	0.077423	0.186726	0.414634	0.67841	0.962624
3376	ENSG00000119318.13	4398.329	0.069411	0.167505	0.41438	0.678596	0.962768
2441	ENSG00000108091.11	1423.371	-0.06817	0.164672	-0.41398	0.678891	0.963041
4533	ENSG00000133731.10	295.6597	0.097201	0.234887	0.413821	0.679005	0.963041
5619	ENSG00000143842.15	900.6113	0.07158	0.172994	0.41377	0.679042	0.963041
9330	ENSG00000185252.19	930.2441	-0.07136	0.172532	-0.41362	0.679149	0.963072
4460	ENSG00000132874.15	196.5911	0.142304	0.34434	0.413266	0.679412	0.963231
4931	ENSG00000137040.10	508.0033	0.095949	0.232187	0.413241	0.67943	0.963231
696	ENSG00000066739.12	638.0514	-0.09842	0.238318	-0.41299	0.679611	0.963321
10577	ENSG00000228327.3	908.3688	0.089237	0.216109	0.412923	0.679663	0.963321
457	ENSG00000049449.10	4414.309	0.060203	0.14622	0.411727	0.68054	0.964067
11112	ENSG00000267796.8	355.3432	-0.10215	0.248151	-0.41166	0.680591	0.964067
226	ENSG00000012983.11	714.1396	-0.08886	0.215929	-0.41151	0.680701	0.964067
10527	ENSG00000224531.6	700.5692	0.084941	0.206424	0.411489	0.680714	0.964067
11066	ENSG00000263753.8	1852.082	-0.0659	0.160267	-0.41118	0.68094	0.964067
10651	ENSG00000234857.2	3624.269	-0.0703	0.170985	-0.41117	0.680944	0.964067
3600	ENSG00000122482.21	640.0307	0.084678	0.205947	0.411166	0.680951	0.964067
1904	ENSG00000102804.15	2739.996	0.063233	0.153829	0.411063	0.681026	0.964067
6008	ENSG00000149100.13	1922.375	0.064247	0.156398	0.410792	0.681225	0.964067
1658	ENSG00000100554.12	1013.797	0.072065	0.175482	0.410666	0.681317	0.964067
2571	ENSG00000109572.14	1153.843	-0.08206	0.199827	-0.41066	0.68132	0.964067
3797	ENSG00000125375.16	314.2184	0.095114	0.231688	0.410528	0.681419	0.964067
11252	ENSG00000276644.5	571.7149	0.088467	0.215497	0.410524	0.681422	0.964067
4871	ENSG00000136682.15	844.0608	0.072143	0.17577	0.410443	0.681481	0.964067
9290	ENSG00000184949.16	233.9292	-0.11846	0.288736	-0.41027	0.681607	0.964067
870	ENSG00000072864.16	535.1996	0.081753	0.199409	0.409975	0.681825	0.964067
234	ENSG00000013392.8	188.9557	-0.1126	0.274751	-0.40983	0.68193	0.964067
7220	ENSG00000164284.15	464.6652	0.106437	0.259735	0.409792	0.681958	0.964067
7160	ENSG00000164031.17	558.8371	0.120474	0.29407	0.409678	0.682042	0.964067
1122	ENSG00000083123.15	390.5351	-0.09249	0.22576	-0.40966	0.682053	0.964067
5448	ENSG00000142188.17	528.679	0.087955	0.214734	0.4096	0.682099	0.964067
5944	ENSG00000148154.10	465.2481	-0.08383	0.204674	-0.40957	0.682124	0.964067
898	ENSG00000074276.10	2696.126	-0.07116	0.17375	-0.40955	0.682136	0.964067
4615	ENSG00000134490.14	173.1265	0.114658	0.280238	0.409144	0.682434	0.964126
8174	ENSG00000171643.14	157.24	0.117598	0.287595	0.408901	0.682613	0.964126

6910	ENSG00000162396.6	255.6553	-0.10328	0.252581	-0.40889	0.682619	0.964126
8725	ENSG00000177788.6	229.7799	-0.10377	0.253832	-0.40881	0.682682	0.964126
5723	ENSG00000145014.17	338.4877	-0.09693	0.237111	-0.40879	0.682692	0.964126
2585	ENSG00000109787.13	899.9211	0.080832	0.197775	0.408708	0.682754	0.964126
6801	ENSG00000160818.17	932.2915	0.07245	0.177277	0.408685	0.682771	0.964126
7303	ENSG00000164938.14	1083.982	-0.08779	0.215102	-0.40811	0.683193	0.96456
980	ENSG00000077147.16	3405.59	-0.07354	0.180544	-0.4073	0.683789	0.96456
10127	ENSG00000203705.11	173.7604	-0.11649	0.28601	-0.40728	0.683803	0.96456
7000	ENSG00000163083.6	198.7269	0.114796	0.281875	0.407258	0.683818	0.96456
9015	ENSG00000182054.10	5153.515	0.060227	0.147907	0.407199	0.683862	0.96456
6401	ENSG00000155438.12	553.3163	-0.08386	0.20626	-0.40658	0.684316	0.96456
8334	ENSG00000173404.5	38222.35	-0.06539	0.160881	-0.40647	0.684394	0.96456
5116	ENSG00000138613.14	444.2363	0.096099	0.236438	0.406447	0.684414	0.96456
9760	ENSG00000196776.16	894.5122	0.083221	0.204765	0.406424	0.684431	0.96456
605	ENSG00000063322.15	2609.135	-0.06241	0.153565	-0.40638	0.684464	0.96456
48	ENSG00000004897.12	953.3846	-0.07643	0.188249	-0.40601	0.684738	0.96456
5962	ENSG00000148339.12	590.7984	0.076866	0.189347	0.405954	0.684776	0.96456
8310	ENSG00000173141.5	1142.67	0.068379	0.168476	0.405871	0.684837	0.96456
6856	ENSG00000161791.14	289.5532	-0.11755	0.289666	-0.4058	0.684889	0.96456
3049	ENSG00000115310.18	6817.141	0.058336	0.143787	0.405711	0.684955	0.96456
3272	ENSG00000117523.16	7450.615	0.069813	0.172079	0.405702	0.684961	0.96456
9743	ENSG00000196659.10	225.7364	-0.10908	0.268877	-0.40568	0.684977	0.96456
11257	ENSG00000277142.1	163.9258	-0.12781	0.315088	-0.40564	0.685007	0.96456
11308	ENSG00000280128.1	471.2459	-0.08558	0.21104	-0.40551	0.685105	0.96456
9413	ENSG00000186020.13	241.3032	-0.10205	0.251652	-0.4055	0.685107	0.96456
2562	ENSG00000109452.12	157.8941	-0.12404	0.305962	-0.40542	0.685171	0.96456
5570	ENSG00000143479.17	256.9063	-0.10761	0.265454	-0.40539	0.685188	0.96456
8519	ENSG00000175305.17	341.6501	0.100205	0.247199	0.405361	0.685212	0.96456
1667	ENSG00000100592.16	1040.723	-0.07232	0.178628	-0.40484	0.685597	0.96456
5993	ENSG00000148824.19	1084.007	-0.07523	0.185827	-0.40481	0.685616	0.96456
988	ENSG00000077279.19	1058.69	-0.08123	0.200803	-0.40451	0.685841	0.96456
8480	ENSG00000174943.11	590.2594	-0.08537	0.211093	-0.40443	0.685894	0.96456
7668	ENSG00000167595.15	706.1392	0.078933	0.195269	0.404229	0.686044	0.96456
2342	ENSG00000106733.21	339.1832	-0.10034	0.248284	-0.40413	0.686116	0.96456
4599	ENSG00000134323.12	789.7332	0.073657	0.182298	0.404045	0.68618	0.96456
3964	ENSG00000127124.16	464.1402	0.085007	0.210553	0.403733	0.686409	0.96456
7148	ENSG00000163960.12	828.1525	0.076034	0.188371	0.403638	0.686479	0.96456
4906	ENSG00000136870.10	455.147	-0.0839	0.207864	-0.40362	0.686496	0.96456
9161	ENSG00000183579.16	557.1363	-0.07769	0.192613	-0.40333	0.686703	0.96456
2915	ENSG00000113712.19	2785.415	0.074065	0.183634	0.403331	0.686704	0.96456
356	ENSG00000034693.15	263.4477	0.122773	0.304595	0.403071	0.686896	0.96456
9107	ENSG00000182979.18	2698.747	0.067427	0.167317	0.402989	0.686956	0.96456
1139	ENSG00000083814.13	156.3477	0.118996	0.295296	0.402974	0.686967	0.96456
2789	ENSG00000112210.12	316.9866	-0.1013	0.251459	-0.40285	0.687057	0.96456
9274	ENSG00000184792.16	958.8476	0.074608	0.185221	0.402804	0.687093	0.96456
8557	ENSG00000175768.13	1025.024	0.076644	0.190298	0.402756	0.687128	0.96456
8695	ENSG00000177511.6	999.1469	-0.07545	0.187446	-0.40249	0.687321	0.96456
3028	ENSG00000115170.15	939.31	-0.07185	0.178519	-0.40249	0.687327	0.96456
10116	ENSG00000198951.12	2552.794	-0.06172	0.153385	-0.40237	0.687411	0.96456
5053	ENSG00000138050.15	218.1307	-0.1115	0.277129	-0.40234	0.687431	0.96456
2182	ENSG00000105393.16	2204.877	-0.06188	0.153798	-0.40232	0.687449	0.96456
3866	ENSG00000125863.20	890.137	0.072572	0.180491	0.402082	0.687624	0.96456

6322	ENSG00000154265.16	989.5188	-0.08474	0.210827	-0.40196	0.687714	0.96456
6652	ENSG00000159128.15	807.1104	-0.08319	0.206966	-0.40195	0.687717	0.96456
5596	ENSG00000143653.10	1067.375	-0.06957	0.173104	-0.40187	0.687781	0.96456
4773	ENSG00000135842.17	294.6309	-0.10288	0.256118	-0.40168	0.687921	0.96456
9462	ENSG00000186687.16	737.0161	0.079482	0.197894	0.401639	0.68795	0.96456
9916	ENSG00000197971.16	870.2181	-0.07598	0.189203	-0.40157	0.688003	0.96456
10439	ENSG00000215126.10	169.3401	0.114613	0.285477	0.401479	0.688068	0.96456
6226	ENSG00000152580.8	168.5247	0.137319	0.342111	0.401386	0.688136	0.96456
158	ENSG00000008838.20	4265.699	-0.06337	0.157918	-0.40126	0.688226	0.96456
8989	ENSG00000181704.12	1503.527	0.08195	0.204257	0.40121	0.688266	0.96456
9118	ENSG00000183054.11	1564.475	-0.06774	0.168965	-0.40092	0.688478	0.96456
5623	ENSG00000143870.13	11274.84	0.060141	0.150023	0.400876	0.688511	0.96456
8913	ENSG00000180370.10	1478.83	-0.06791	0.169442	-0.4008	0.68857	0.96456
6361	ENSG00000154839.10	568.5326	0.077511	0.193429	0.400721	0.688626	0.96456
4850	ENSG00000136450.13	3504.302	-0.06091	0.152019	-0.4007	0.688642	0.96456
1911	ENSG00000102882.12	4021.992	0.065063	0.162514	0.400351	0.688898	0.96456
6511	ENSG00000157168.20	161.1169	0.121974	0.304699	0.400311	0.688927	0.96456
5319	ENSG00000140750.17	1595.525	0.07392	0.184707	0.400201	0.689009	0.96456
653	ENSG00000065485.20	365.7731	0.089134	0.222996	0.399713	0.689368	0.96456
9044	ENSG00000182307.14	1611.076	-0.07133	0.178457	-0.39969	0.689383	0.96456
196	ENSG00000011243.18	2889.401	-0.06711	0.168028	-0.3994	0.689602	0.96456
419	ENSG00000044574.8	20266.61	0.058213	0.145788	0.399304	0.68967	0.96456
4545	ENSG00000133872.14	4772.025	0.060164	0.150683	0.399273	0.689692	0.96456
2871	ENSG00000113196.3	310.4937	0.091495	0.229177	0.399232	0.689723	0.96456
1813	ENSG00000101624.11	177.8816	0.1144	0.286649	0.399093	0.689825	0.96456
7578	ENSG00000166922.8	3413.631	0.062408	0.156529	0.398698	0.690116	0.96456
9502	ENSG00000187391.22	472.1759	-0.0869	0.217991	-0.39862	0.690172	0.96456
3616	ENSG00000122674.12	651.8266	-0.0756	0.189655	-0.39861	0.690181	0.96456
717	ENSG00000067365.15	838.7834	0.070936	0.177964	0.398597	0.69019	0.96456
1001	ENSG00000077782.21	1891.828	-0.07341	0.184191	-0.39855	0.690222	0.96456
3811	ENSG00000125484.12	1384.157	-0.07544	0.189309	-0.39851	0.690254	0.96456
4745	ENSG00000135625.8	352.0218	0.112138	0.281396	0.398504	0.690259	0.96456
1898	ENSG00000102753.10	1030.218	0.073492	0.18442	0.398503	0.69026	0.96456
7901	ENSG00000169251.13	613.4393	0.080334	0.201672	0.39834	0.69038	0.96456
3347	ENSG00000118762.8	1673.795	-0.0724	0.18176	-0.39832	0.690398	0.96456
8753	ENSG00000178096.9	511.8994	0.079951	0.200758	0.398243	0.690451	0.96456
3366	ENSG00000119048.8	823.2616	0.071074	0.178514	0.398143	0.690524	0.96456
8944	ENSG00000180917.18	406.6556	0.105582	0.265187	0.398143	0.690525	0.96456
2919	ENSG00000113734.18	240.4468	0.102838	0.258536	0.397771	0.690799	0.96456
9685	ENSG00000196361.10	3899.285	-0.06041	0.151874	-0.39774	0.690821	0.96456
991	ENSG00000077380.16	1723.156	0.064279	0.161728	0.397451	0.691035	0.96456
1196	ENSG00000085872.15	4108.008	0.068371	0.172039	0.397417	0.69106	0.96456
1504	ENSG00000099810.21	720.9898	0.073328	0.184517	0.397405	0.691068	0.96456
4548	ENSG00000133895.16	2601.663	0.066172	0.166562	0.397279	0.691162	0.96456
8050	ENSG00000170606.15	3402.81	0.063554	0.160019	0.397167	0.691244	0.96456
10502	ENSG00000223403.6	629.8212	0.078555	0.197827	0.397092	0.6913	0.96456
3229	ENSG00000117054.14	875.9027	-0.07213	0.181667	-0.39707	0.691315	0.96456
10354	ENSG00000213551.7	1242.11	-0.06539	0.164674	-0.39706	0.691324	0.96456
10036	ENSG00000198730.9	1315.045	0.065579	0.165165	0.39705	0.69133	0.96456
4255	ENSG00000130826.18	1879.95	-0.06202	0.156222	-0.39702	0.691355	0.96456
2678	ENSG00000111144.10	1301.763	-0.06581	0.165802	-0.39692	0.691424	0.96456
2240	ENSG00000105767.3	768.7335	0.073182	0.184437	0.396785	0.691526	0.96456

6187	ENSG00000152092.16	221.1219	0.129888	0.327443	0.396675	0.691607	0.96456
4414	ENSG00000132541.11	321.2275	0.089935	0.226743	0.396639	0.691634	0.96456
6313	ENSG00000154134.15	197.14	0.117185	0.295874	0.396065	0.692057	0.964815
10149	ENSG00000204147.11	373.0122	-0.08965	0.226426	-0.39596	0.692138	0.964815
2483	ENSG00000108551.5	1255.919	-0.07731	0.195397	-0.39564	0.692374	0.964815
3951	ENSG00000126822.17	6288.01	-0.07108	0.179664	-0.39561	0.692396	0.964815
8784	ENSG00000178585.15	3854.556	-0.06748	0.170608	-0.39552	0.692462	0.964815
5051	ENSG00000138035.15	699.5074	-0.07665	0.193825	-0.39548	0.692486	0.964815
714	ENSG00000067225.18	20724.86	0.061281	0.15496	0.395461	0.692503	0.964815
2555	ENSG00000109323.11	1770.05	-0.06484	0.163976	-0.39541	0.692542	0.964815
5711	ENSG00000144834.14	582.6539	-0.08029	0.203278	-0.395	0.692843	0.964815
9270	ENSG00000184731.6	427.1149	-0.08554	0.216764	-0.39461	0.693128	0.964815
2121	ENSG00000104907.12	1073.392	-0.06901	0.174911	-0.39456	0.693164	0.964815
950	ENSG00000075975.16	591.7062	-0.07679	0.194743	-0.39429	0.693364	0.964815
9301	ENSG00000185022.12	160.0495	-0.11406	0.289341	-0.3942	0.693433	0.964815
4947	ENSG00000137145.20	958.6092	-0.0697	0.17683	-0.39416	0.693462	0.964815
7827	ENSG00000168772.11	1147.453	-0.06575	0.166814	-0.39414	0.693475	0.964815
9191	ENSG00000183808.11	416.1546	-0.08277	0.210014	-0.3941	0.693505	0.964815
6667	ENSG00000159259.8	1013.879	0.071457	0.181337	0.394059	0.693538	0.964815
3157	ENSG00000116273.6	1400.139	-0.06418	0.16295	-0.39387	0.693681	0.964815
8065	ENSG00000170759.11	2150.885	0.066394	0.168755	0.393432	0.694	0.964815
297	ENSG00000023330.15	1684.022	0.063264	0.160804	0.393421	0.694009	0.964815
7884	ENSG00000169174.11	45087.19	0.072177	0.183549	0.393231	0.694149	0.964815
1000	ENSG00000077721.16	1429.894	0.064799	0.164795	0.393208	0.694166	0.964815
11309	ENSG00000280165.1	170.5702	0.120091	0.305765	0.392757	0.694499	0.964815
10316	ENSG00000212747.5	855.7752	0.068855	0.175321	0.392738	0.694513	0.964815
1556	ENSG00000100106.22	1184.8	-0.06869	0.174924	-0.39268	0.694557	0.964815
2727	ENSG00000111670.16	339.9428	-0.09112	0.232149	-0.39253	0.694669	0.964815
8789	ENSG00000178691.11	1498.856	0.075263	0.191788	0.392431	0.69474	0.964815
10203	ENSG00000204536.14	1209.916	0.072407	0.184546	0.392351	0.694799	0.964815
3522	ENSG00000120942.14	893.9626	-0.0691	0.176165	-0.39226	0.694867	0.964815
2152	ENSG00000105197.11	1772.643	0.061932	0.15798	0.392028	0.695038	0.964815
4837	ENSG00000136280.17	1421.074	0.064082	0.163662	0.391549	0.695392	0.964815
853	ENSG00000072364.13	1899.513	-0.07231	0.184806	-0.39128	0.695589	0.964815
3747	ENSG00000124496.12	261.6352	0.101792	0.260214	0.391186	0.69566	0.964815
5493	ENSG00000142864.14	5319.693	0.061574	0.157429	0.391126	0.695704	0.964815
7905	ENSG00000169297.8	1579.924	0.062619	0.160247	0.390769	0.695968	0.964815
959	ENSG00000076321.11	209.577	-0.10826	0.277052	-0.39076	0.695975	0.964815
2214	ENSG00000105618.14	2094.481	-0.06254	0.160046	-0.39076	0.695976	0.964815
2030	ENSG00000104067.16	1385.276	-0.06871	0.175873	-0.39066	0.696045	0.964815
1891	ENSG00000102580.15	1241.781	0.074622	0.191093	0.390502	0.696166	0.964815
1054	ENSG00000079950.14	594.3196	0.108064	0.276837	0.390353	0.696275	0.964815
4956	ENSG00000137198.10	314.6401	0.090815	0.232658	0.390335	0.696289	0.964815
4376	ENSG00000132275.11	421.5324	-0.08199	0.210198	-0.39004	0.696507	0.964815
1773	ENSG00000101333.16	998.6644	-0.07263	0.186218	-0.39003	0.696515	0.964815
11110	ENSG00000267680.5	281.3208	-0.09137	0.234358	-0.38987	0.696636	0.964815
5859	ENSG00000146950.13	1771.388	0.067797	0.173927	0.389803	0.696682	0.964815
106	ENSG00000006625.18	805.9894	0.070097	0.179829	0.389801	0.696684	0.964815
1838	ENSG00000101945.17	1721.388	0.062288	0.159802	0.389784	0.696696	0.964815
9606	ENSG00000188846.14	12540.58	0.057773	0.148253	0.389693	0.696764	0.964815
3458	ENSG00000120053.12	1420.161	-0.06524	0.1675	-0.38951	0.696902	0.964815
81	ENSG00000005893.16	2119.474	0.081707	0.209789	0.389474	0.696926	0.964815

9977	ENSG00000198380.13	2895.829	-0.06551	0.168255	-0.38933	0.697031	0.964815
4648	ENSG00000134852.15	463.891	-0.10573	0.27159	-0.38932	0.697043	0.964815
555	ENSG00000058804.12	695.984	-0.07613	0.195587	-0.38923	0.697108	0.964815
3198	ENSG00000116731.22	784.1572	0.069794	0.179319	0.389219	0.697114	0.964815
8452	ENSG00000174684.7	1209.665	0.065625	0.168623	0.389185	0.697139	0.964815
4322	ENSG00000131504.17	3642.023	0.058381	0.150018	0.389159	0.697159	0.964815
3206	ENSG00000116793.16	589.7688	-0.0749	0.192551	-0.38899	0.697285	0.964815
5617	ENSG00000143816.8	178.9606	0.11027	0.283501	0.388959	0.697306	0.964815
5026	ENSG00000137824.16	592.2271	-0.07554	0.194229	-0.38893	0.69733	0.964815
4397	ENSG00000132424.16	2914.896	-0.05922	0.152269	-0.38889	0.697357	0.964815
1827	ENSG00000101844.18	259.8387	0.093804	0.241377	0.388622	0.697555	0.964815
4974	ENSG00000137331.12	788.0467	-0.07845	0.201866	-0.38862	0.697556	0.964815
9971	ENSG00000198353.8	192.558	-0.10359	0.266692	-0.38844	0.697688	0.964815
6722	ENSG00000160131.13	665.7394	0.082673	0.212873	0.38837	0.697742	0.964815
6138	ENSG00000151414.15	492.5934	0.101809	0.262321	0.388107	0.697937	0.964815
2873	ENSG00000113240.13	235.3919	0.097775	0.251998	0.388001	0.698016	0.964815
8617	ENSG00000176485.11	263.0975	0.09479	0.244405	0.387839	0.698135	0.964815
5687	ENSG00000144597.14	854.3768	0.080846	0.208538	0.387681	0.698252	0.964815
6494	ENSG00000156931.16	602.4409	0.082065	0.211788	0.387487	0.698395	0.964815
9048	ENSG00000182362.14	293.3889	-0.09033	0.233219	-0.38733	0.698515	0.964815
4469	ENSG00000132963.8	1202.284	0.067772	0.174975	0.387322	0.698518	0.964815
9088	ENSG00000182827.9	662.3533	-0.07308	0.188701	-0.3873	0.698536	0.964815
2724	ENSG00000111666.11	310.9866	0.089336	0.23071	0.387222	0.698592	0.964815
5973	ENSG00000148429.14	264.479	0.093628	0.24183	0.387163	0.698636	0.964815
4453	ENSG00000132823.11	584.4251	0.096407	0.249097	0.387026	0.698737	0.964815
3864	ENSG00000125850.11	211.0337	-0.10111	0.261285	-0.38698	0.698772	0.964815
7139	ENSG00000163933.10	579.6506	0.073598	0.19023	0.386888	0.698839	0.964815
2558	ENSG00000109381.20	577.3208	-0.08155	0.210802	-0.38688	0.698847	0.964815
755	ENSG00000068724.17	1189.249	-0.0762	0.197139	-0.38653	0.699108	0.964815
5932	ENSG00000147905.18	232.0998	0.096989	0.25102	0.386379	0.699216	0.964815
2397	ENSG00000107669.17	342.3303	0.09246	0.239304	0.386372	0.699221	0.964815
9862	ENSG00000197557.7	239.1246	-0.09835	0.254555	-0.38637	0.699223	0.964815
9009	ENSG00000181938.14	305.759	-0.08801	0.227807	-0.38632	0.69926	0.964815
6054	ENSG00000149600.11	524.3838	0.090945	0.235424	0.386304	0.699272	0.964815
3837	ENSG00000125740.14	423.3472	0.098105	0.253959	0.386302	0.699273	0.964815
586	ENSG00000062038.14	412.3861	0.086939	0.225072	0.386273	0.699294	0.964815
9765	ENSG00000196814.15	1297.552	0.067975	0.176014	0.386193	0.699354	0.964815
3183	ENSG00000116641.18	669.9807	-0.07237	0.187484	-0.38599	0.699502	0.964815
4794	ENSG00000135972.9	621.5157	0.072339	0.187607	0.38559	0.6998	0.964815
6858	ENSG00000161813.22	916.5742	-0.07604	0.197297	-0.38543	0.699918	0.964815
1674	ENSG00000100612.14	1066.955	0.068068	0.176668	0.385284	0.700027	0.964815
10721	ENSG00000240253.6	500.1044	-0.0826	0.214417	-0.38524	0.700057	0.964815
481	ENSG00000051382.9	653.4296	0.081421	0.211481	0.385005	0.700234	0.964815
8636	ENSG00000176853.16	954.6184	0.087169	0.226453	0.384932	0.700288	0.964815
138	ENSG00000008018.9	2013.931	0.059845	0.155578	0.384662	0.700488	0.964815
53	ENSG00000005020.13	318.4904	-0.092	0.239182	-0.38464	0.700505	0.964815
3816	ENSG00000125531.7	299.854	0.104594	0.272081	0.384422	0.700666	0.964815
6595	ENSG00000158301.18	628.3634	-0.08326	0.216589	-0.38439	0.700686	0.964815
5852	ENSG00000146833.15	956.4573	-0.06676	0.173706	-0.38434	0.700725	0.964815
7881	ENSG00000169139.12	1361.151	0.075393	0.196164	0.384335	0.70073	0.964815
8020	ENSG00000170325.14	347.561	-0.08866	0.230786	-0.38415	0.700866	0.964815
1163	ENSG00000084731.15	2961.877	-0.05782	0.15055	-0.38407	0.700928	0.964815

10307	ENSG00000211445.12	729.9267	0.072788	0.189531	0.384043	0.700946	0.964815
351	ENSG00000033800.14	1116.074	-0.06857	0.178564	-0.38403	0.700957	0.964815
330	ENSG00000029725.17	1941.835	0.062766	0.163539	0.383798	0.701128	0.964815
3899	ENSG00000126107.15	1567.532	0.068854	0.179531	0.383524	0.701331	0.964815
10669	ENSG00000235954.7	508.2092	0.077861	0.203029	0.383496	0.701352	0.964815
252	ENSG00000014919.13	760.996	-0.07382	0.192522	-0.38343	0.701399	0.964815
8371	ENSG00000173744.17	2183.747	0.068463	0.178643	0.383237	0.701544	0.964815
3278	ENSG00000117592.9	1622.181	0.06245	0.162972	0.383191	0.701578	0.964815
3009	ENSG00000114978.18	1268.858	0.076202	0.198891	0.383132	0.701622	0.964815
2306	ENSG00000106404.14	511.4507	-0.09728	0.253906	-0.38312	0.701634	0.964815
10674	ENSG00000236287.8	904.9983	0.070977	0.185274	0.383091	0.701652	0.964815
7706	ENSG00000167840.13	269.6944	0.091913	0.240038	0.38291	0.701786	0.964815
6115	ENSG00000151093.8	164.123	-0.10769	0.28126	-0.38288	0.701812	0.964815
7632	ENSG00000167333.13	171.5347	-0.10985	0.287163	-0.38254	0.702061	0.964815
10755	ENSG00000241973.11	10303.69	-0.06016	0.157279	-0.38248	0.702105	0.964815
1643	ENSG00000100445.17	1923.648	0.068425	0.178928	0.382418	0.702151	0.964815
11042	ENSG00000261613.2	206.357	0.116386	0.304576	0.382125	0.702369	0.964815
4482	ENSG00000133104.14	326.8435	-0.09511	0.248978	-0.38201	0.702456	0.964815
6580	ENSG00000158109.15	1241.005	-0.06692	0.175182	-0.38198	0.702477	0.964815
11084	ENSG00000265808.4	1894.744	-0.07565	0.198061	-0.38193	0.702512	0.964815
8218	ENSG00000172071.14	475.1868	0.093886	0.245865	0.38186	0.702565	0.964815
5084	ENSG00000138336.9	254.8073	-0.0922	0.241626	-0.38156	0.702786	0.964815
2753	ENSG00000111845.5	245.5893	0.093531	0.245198	0.381451	0.702869	0.964815
3413	ENSG00000119661.15	257.9397	-0.09339	0.244853	-0.38142	0.702892	0.964815
2674	ENSG00000111057.11	4236.687	0.059239	0.155427	0.381135	0.703103	0.964815
5703	ENSG00000144747.17	739.3033	-0.07842	0.205785	-0.3811	0.703131	0.964815
2270	ENSG00000106028.11	1263.253	-0.06853	0.179848	-0.38105	0.703167	0.964815
9845	ENSG00000197375.13	780.747	0.075975	0.199393	0.38103	0.703181	0.964815
6596	ENSG00000158321.18	898.0781	-0.07181	0.188493	-0.38099	0.703208	0.964815
6647	ENSG00000159079.19	598.1051	-0.07206	0.189129	-0.38099	0.703211	0.964815
7610	ENSG00000167182.15	986.9703	-0.06939	0.182342	-0.38057	0.703521	0.964815
7181	ENSG00000164087.8	591.0185	0.07382	0.193999	0.380518	0.703561	0.964815
2222	ENSG00000105656.13	427.8133	-0.08573	0.225333	-0.38046	0.703608	0.964815
750	ENSG00000068489.13	923.3729	-0.06745	0.177303	-0.38045	0.703611	0.964815
278	ENSG00000020181.18	221.1626	0.097058	0.255132	0.380424	0.703631	0.964815
705	ENSG00000067064.11	4725.262	-0.05535	0.145528	-0.38032	0.703709	0.964815
11079	ENSG00000265491.5	658.0512	0.075937	0.199681	0.380291	0.703729	0.964815
6231	ENSG00000152684.11	582.1447	-0.07659	0.201417	-0.38028	0.703739	0.964815
1826	ENSG00000101843.19	633.7336	-0.07703	0.20262	-0.38015	0.703835	0.964815
3411	ENSG00000119650.12	287.5408	-0.08789	0.231262	-0.38002	0.703927	0.964815
543	ENSG00000058063.16	554.8257	-0.07882	0.20745	-0.37995	0.703984	0.964815
3648	ENSG00000123136.15	2887.235	-0.05736	0.150985	-0.37988	0.704038	0.964815
5627	ENSG00000143924.19	1334.628	-0.06589	0.173486	-0.37979	0.704102	0.964815
546	ENSG00000058272.19	1105.008	0.065038	0.17141	0.379429	0.704369	0.964831
11039	ENSG00000261572.1	261.2932	0.09064	0.238915	0.379381	0.704405	0.964831
9241	ENSG00000184368.16	3239.975	-0.05917	0.155984	-0.37933	0.704446	0.964831
1083	ENSG00000081154.12	2104.43	0.063924	0.168525	0.379317	0.704453	0.964831
4953	ENSG00000137177.20	794.6348	-0.06857	0.181004	-0.37886	0.704793	0.965007
3732	ENSG00000124299.15	4905.315	-0.06037	0.159359	-0.37882	0.704824	0.965007
7198	ENSG00000164164.17	609.7446	0.074651	0.197075	0.378794	0.704841	0.965007
10284	ENSG00000205730.6	322.8126	-0.08836	0.233623	-0.37822	0.705269	0.965007
9465	ENSG00000186812.13	634.4166	-0.07604	0.201199	-0.37791	0.705495	0.965007

1675	ENSG00000100614.18	1242.859	0.066036	0.174812	0.377753	0.705614	0.965007
2213	ENSG00000105617.4	315.3398	-0.08498	0.225059	-0.37761	0.705721	0.965007
9501	ENSG00000187325.5	529.1849	0.082657	0.218951	0.377515	0.705791	0.965007
3890	ENSG00000126003.7	3904.642	-0.05922	0.156871	-0.37749	0.705806	0.965007
6764	ENSG00000160445.11	2357.118	-0.06425	0.170252	-0.37738	0.705892	0.965007
10173	ENSG00000204315.4	220.0528	-0.09937	0.263341	-0.37733	0.705931	0.965007
1059	ENSG00000080298.15	437.1261	-0.08669	0.229745	-0.37732	0.705933	0.965007
699	ENSG00000066855.16	643.1632	-0.07394	0.196097	-0.37704	0.706141	0.965007
3238	ENSG00000117153.16	827.7751	-0.0723	0.191815	-0.37691	0.706243	0.965007
9216	ENSG00000184117.12	2894.462	0.059749	0.158531	0.376893	0.706253	0.965007
7008	ENSG00000163156.12	868.3213	0.070091	0.185998	0.376839	0.706293	0.965007
10922	ENSG00000254996.5	629.4662	-0.07586	0.201318	-0.37681	0.706315	0.965007
5045	ENSG00000138018.18	2142.139	0.077569	0.206011	0.37653	0.706523	0.965007
5841	ENSG00000146676.10	1175.492	0.065711	0.174531	0.376501	0.706544	0.965007
9819	ENSG00000197162.10	515.1982	-0.07894	0.209729	-0.37638	0.706633	0.965007
10409	ENSG00000214274.10	453.1655	0.081037	0.215343	0.376316	0.706682	0.965007
4215	ENSG00000130653.16	326.6425	0.1037	0.275575	0.376305	0.70669	0.965007
2084	ENSG00000104660.19	712.365	0.084176	0.223759	0.376192	0.706774	0.965007
10868	ENSG00000250317.8	326.1776	0.08468	0.225155	0.376095	0.706846	0.965007
540	ENSG00000057757.10	1244.266	-0.06203	0.164959	-0.37603	0.706895	0.965007
7124	ENSG00000163873.10	1219.669	0.077095	0.205063	0.375956	0.70695	0.965007
320	ENSG00000027697.15	429.5892	0.08598	0.228978	0.375494	0.707293	0.965007
1537	ENSG00000100029.18	2049.545	-0.06054	0.161286	-0.37537	0.707386	0.965007
5038	ENSG00000137944.18	946.7952	-0.06551	0.174513	-0.37536	0.70739	0.965007
2292	ENSG00000106305.10	363.7939	0.081134	0.216189	0.375289	0.707445	0.965007
6365	ENSG00000154914.17	158.6107	-0.11256	0.299951	-0.37527	0.707461	0.965007
1765	ENSG00000101247.18	333.2561	-0.09	0.239988	-0.375	0.707658	0.965007
10766	ENSG00000242485.6	1498.702	0.063495	0.169407	0.37481	0.707802	0.965007
4831	ENSG00000136261.15	307.6278	-0.08731	0.233005	-0.37472	0.70787	0.965007
8300	ENSG00000173011.12	823.7301	-0.07485	0.199805	-0.37462	0.707943	0.965007
11335	ENSG00000283526.1	1216.167	0.064597	0.172588	0.374284	0.708193	0.965007
8878	ENSG00000179912.20	1744.885	-0.0606	0.161899	-0.37428	0.708197	0.965007
7084	ENSG00000163644.15	525.8283	0.075668	0.202174	0.374271	0.708203	0.965007
6510	ENSG00000157107.14	261.7343	0.098528	0.263381	0.374087	0.708339	0.965007
215	ENSG00000012048.23	675.5668	0.070625	0.188879	0.373915	0.708468	0.965007
4516	ENSG00000133466.14	1749.419	0.06624	0.177229	0.373754	0.708588	0.965007
9122	ENSG00000183145.9	714.0093	0.081363	0.217709	0.373723	0.70861	0.965007
3061	ENSG00000115419.13	5179.182	-0.06321	0.169143	-0.37371	0.708617	0.965007
5625	ENSG00000143889.16	829.0258	-0.07082	0.189503	-0.37369	0.708634	0.965007
5120	ENSG00000138622.4	869.1451	0.066195	0.177146	0.373673	0.708647	0.965007
1846	ENSG00000102030.16	1694.039	0.062715	0.167861	0.373614	0.708691	0.965007
2336	ENSG00000106682.14	6894.741	-0.05428	0.145355	-0.37346	0.708807	0.965007
1408	ENSG00000092531.10	396.1321	0.081293	0.217683	0.373448	0.708815	0.965007
5207	ENSG00000139515.6	21641.58	0.062783	0.168121	0.373436	0.708824	0.965007
9882	ENSG00000197746.14	28433.15	-0.05458	0.146184	-0.37335	0.708889	0.965007
3848	ENSG00000125814.17	1042.975	-0.07245	0.194074	-0.37333	0.708903	0.965007
10407	ENSG00000214194.9	1164.974	0.071477	0.191554	0.373144	0.709041	0.96508
7473	ENSG00000166197.17	2403.026	-0.06116	0.16395	-0.37302	0.709134	0.96509
3970	ENSG00000127328.22	1585.793	-0.06883	0.184697	-0.37268	0.70939	0.965208
10624	ENSG00000232931.6	439.6016	-0.09365	0.251391	-0.37253	0.7095	0.965208
1460	ENSG00000096080.11	944.0652	0.06501	0.174587	0.372365	0.709621	0.965208
5180	ENSG00000139211.6	942.3523	0.067213	0.180548	0.372272	0.70969	0.965208

1018	ENSG00000078618.22	2787.527	-0.05629	0.151268	-0.37214	0.709791	0.965208
10226	ENSG00000204842.18	2261.595	0.065919	0.177162	0.372085	0.70983	0.965208
1889	ENSG00000102572.14	4173.4	-0.05787	0.155626	-0.37188	0.709985	0.965208
5100	ENSG00000138439.12	401.3695	-0.07858	0.211321	-0.37184	0.710009	0.965208
76	ENSG00000005810.18	1325.707	0.065617	0.176481	0.371804	0.710039	0.965208
5139	ENSG00000138750.15	485.6803	0.08233	0.221458	0.371764	0.710068	0.965208
2326	ENSG00000106610.15	299.6254	0.095567	0.257207	0.371558	0.710222	0.96524
11061	ENSG00000263001.6	8455.529	-0.05642	0.151949	-0.37132	0.710399	0.96524
8780	ENSG00000178537.10	228.5835	-0.09869	0.265838	-0.37125	0.710451	0.96524
10573	ENSG00000228223.3	548.6506	-0.07134	0.192206	-0.37114	0.71053	0.96524
9368	ENSG00000185596.16	1249.493	0.07083	0.190861	0.371111	0.710555	0.96524
9709	ENSG00000196459.14	519.4659	-0.07239	0.195321	-0.37062	0.710923	0.96524
9074	ENSG00000182670.13	7823.515	-0.05637	0.152225	-0.37032	0.711143	0.96524
1710	ENSG00000100906.11	440.6444	0.075851	0.204828	0.370315	0.711148	0.96524
5208	ENSG00000139517.9	404.8919	0.085134	0.22995	0.370227	0.711214	0.96524
9797	ENSG00000197043.14	2445.101	-0.07219	0.195006	-0.37017	0.711256	0.96524
9275	ENSG00000184831.14	1127.523	0.063494	0.171599	0.370012	0.711374	0.96524
6540	ENSG00000157551.19	200.4209	-0.10605	0.286827	-0.36973	0.711586	0.96524
7768	ENSG00000168259.17	1841.803	-0.0661	0.178796	-0.36967	0.711626	0.96524
4246	ENSG00000130779.20	651.3743	-0.06885	0.186297	-0.36955	0.711717	0.96524
3369	ENSG00000119203.14	1793.132	-0.0583	0.157791	-0.36949	0.711763	0.96524
6304	ENSG00000153989.8	1642.973	0.066445	0.179857	0.369429	0.711808	0.96524
4098	ENSG00000129187.14	1599.073	-0.0595	0.16107	-0.3694	0.711827	0.96524
1400	ENSG00000092201.10	3829.272	0.055412	0.150059	0.369269	0.711927	0.96524
4601	ENSG00000134326.11	268.0554	0.095474	0.25857	0.36924	0.711949	0.96524
3774	ENSG00000124786.11	241.1004	0.095424	0.25847	0.369186	0.711989	0.96524
5050	ENSG00000138032.21	1162.306	0.062618	0.16962	0.369168	0.712003	0.96524
179	ENSG00000010310.9	1790.19	-0.06306	0.170879	-0.36904	0.712095	0.96524
7012	ENSG00000163166.15	1225.621	0.062946	0.170689	0.368776	0.712294	0.96524
10603	ENSG00000230724.9	262.0483	0.093881	0.254821	0.368417	0.712562	0.96524
3439	ENSG00000119844.15	968.1852	0.066419	0.180303	0.368375	0.712593	0.96524
9494	ENSG00000187231.14	1892.976	-0.06005	0.163021	-0.36836	0.712604	0.96524
11052	ENSG00000261971.8	263.1656	0.100085	0.271805	0.368222	0.712707	0.96524
723	ENSG00000067606.17	830.8852	-0.07077	0.192376	-0.36789	0.712953	0.96524
2307	ENSG00000106415.13	241.1627	-0.09028	0.245483	-0.36775	0.713059	0.96524
10924	ENSG00000255112.3	903.0281	0.070599	0.192003	0.367697	0.713099	0.96524
3083	ENSG00000115652.15	459.3288	0.078826	0.214402	0.367654	0.713131	0.96524
3861	ENSG00000125845.7	221.6572	0.096246	0.261973	0.36739	0.713328	0.96524
7380	ENSG00000165526.9	453.2588	-0.07699	0.209619	-0.36728	0.713407	0.96524
11239	ENSG00000275835.5	468.4738	-0.07786	0.212153	-0.367	0.71362	0.96524
10267	ENSG00000205517.13	2763.421	0.063753	0.173722	0.366983	0.713632	0.96524
7248	ENSG00000164494.12	394.824	-0.0792	0.215821	-0.36695	0.713653	0.96524
1142	ENSG00000083844.10	466.2341	-0.08474	0.23098	-0.36688	0.713709	0.96524
3058	ENSG00000115392.12	731.5827	0.067308	0.183597	0.366605	0.713914	0.96524
1949	ENSG00000103126.15	1619.758	-0.0584	0.159299	-0.36658	0.713935	0.96524
8377	ENSG00000173818.17	469.2692	0.081416	0.222371	0.366127	0.71427	0.96524
11242	ENSG00000276023.5	316.7021	-0.08552	0.233616	-0.36605	0.714326	0.96524
8128	ENSG00000171262.11	666.0633	0.073386	0.200547	0.365929	0.714418	0.96524
9655	ENSG00000196150.13	163.1196	-0.10921	0.298484	-0.36589	0.714447	0.96524
115	ENSG00000006747.15	646.3371	-0.07181	0.19629	-0.36581	0.714505	0.96524
9671	ENSG00000196247.11	294.6982	0.089284	0.244208	0.365606	0.714659	0.96524
173	ENSG00000010165.20	818.2927	0.072799	0.199128	0.365591	0.71467	0.96524

10042	ENSG00000198746.13	996.4453	-0.07005	0.191601	-0.36558	0.714679	0.96524
10716	ENSG00000240053.8	268.9213	-0.10498	0.287201	-0.36554	0.71471	0.96524
5438	ENSG00000142002.17	3460.788	0.058727	0.160681	0.365488	0.714748	0.96524
3474	ENSG00000120438.12	5061.93	-0.05536	0.151465	-0.36547	0.714761	0.96524
4654	ENSG00000134897.14	804.9049	-0.06569	0.179774	-0.3654	0.714811	0.96524
4419	ENSG00000132581.10	942.0371	0.064083	0.175462	0.365223	0.714945	0.96524
6452	ENSG00000156304.15	1804.761	0.064059	0.175524	0.36496	0.715141	0.96524
3275	ENSG00000117533.15	235.0473	0.094484	0.258938	0.364891	0.715193	0.96524
3424	ENSG00000119711.13	393.8684	-0.0778	0.213264	-0.36479	0.715266	0.96524
4757	ENSG00000135722.9	192.7154	0.097137	0.266523	0.364459	0.715515	0.96524
2193	ENSG00000105443.15	3145.701	-0.06026	0.165371	-0.36437	0.715584	0.96524
8982	ENSG00000181513.15	200.9449	0.096665	0.265799	0.363679	0.716097	0.96524
8952	ENSG00000181026.15	630.232	-0.07181	0.197485	-0.36363	0.716131	0.96524
8606	ENSG00000176406.23	767.2118	0.065762	0.180852	0.363626	0.716137	0.96524
6350	ENSG00000154727.10	440.3687	0.089239	0.245456	0.363563	0.716185	0.96524
2644	ENSG00000110693.18	160.7629	-0.13664	0.375847	-0.36355	0.716191	0.96524
5865	ENSG00000147099.21	413.8076	0.075122	0.206636	0.36355	0.716194	0.96524
2567	ENSG00000109511.12	4841.973	-0.0602	0.165602	-0.3635	0.716229	0.96524
9378	ENSG00000185697.16	198.9802	0.099603	0.27401	0.363501	0.716231	0.96524
6143	ENSG00000151465.14	608.1175	-0.06833	0.18807	-0.36334	0.716348	0.96524
4905	ENSG00000136868.11	1174.816	-0.0766	0.210904	-0.36319	0.716464	0.96524
9310	ENSG00000185101.13	379.736	0.082509	0.227214	0.363136	0.716503	0.96524
10442	ENSG00000215190.9	281.4682	0.084671	0.233172	0.363128	0.716509	0.96524
1447	ENSG00000095485.18	490.9813	-0.07481	0.206172	-0.36283	0.71673	0.96524
10533	ENSG00000225138.8	488.4784	0.090111	0.248381	0.362794	0.716759	0.96524
3531	ENSG00000121064.13	828.5484	0.064558	0.17796	0.362768	0.716778	0.96524
4105	ENSG00000129245.12	2636.914	-0.05884	0.162204	-0.36276	0.716781	0.96524
2781	ENSG00000112146.16	1716.218	-0.05812	0.160249	-0.3627	0.716827	0.96524
11036	ENSG00000261377.5	184.8927	0.103846	0.286466	0.362506	0.716974	0.96524
2474	ENSG00000108469.15	1070.01	-0.07142	0.197143	-0.36229	0.717135	0.96524
4124	ENSG00000129518.9	332.1134	0.09388	0.259191	0.362203	0.7172	0.96524
3389	ENSG00000119411.11	658.3701	0.07136	0.197037	0.362164	0.71723	0.96524
36	ENSG00000004455.17	2669.544	0.063191	0.174545	0.362033	0.717327	0.96524
11255	ENSG00000277053.4	4378.297	-0.05797	0.16013	-0.36199	0.717361	0.96524
1607	ENSG00000100325.15	1659.387	-0.06237	0.172325	-0.36193	0.717403	0.96524
4570	ENSG00000134109.11	769.1828	-0.07339	0.202786	-0.3619	0.717427	0.96524
9591	ENSG00000188690.15	475.7019	-0.07249	0.200381	-0.36174	0.717548	0.96524
86	ENSG00000006062.17	392.4116	0.085829	0.237327	0.361648	0.717615	0.96524
8380	ENSG00000173826.15	2981.548	0.05998	0.165875	0.3616	0.717651	0.96524
11062	ENSG00000263072.8	550.2814	0.074417	0.20583	0.361546	0.717691	0.96524
9539	ENSG00000188002.10	179.3682	0.098251	0.27177	0.361521	0.71771	0.96524
8365	ENSG00000173681.16	261.8016	-0.10613	0.293613	-0.36145	0.717764	0.96524
758	ENSG00000068796.19	1972.348	-0.05638	0.156026	-0.36135	0.717837	0.96524
892	ENSG00000073921.18	1923.102	-0.06109	0.169108	-0.36127	0.717901	0.96524
8930	ENSG00000180758.12	168.0078	0.140147	0.387981	0.361223	0.717933	0.96524
4622	ENSG00000134594.5	253.8624	-0.09088	0.251616	-0.3612	0.717952	0.96524
2269	ENSG00000106025.9	196.8237	0.0993	0.274969	0.361132	0.718001	0.96524
7234	ENSG00000164338.10	200.9246	-0.11565	0.320397	-0.36094	0.718142	0.96524
2568	ENSG00000109519.13	429.0988	-0.07666	0.212397	-0.36094	0.718145	0.96524
6459	ENSG00000156427.8	186.3813	0.10691	0.29642	0.360671	0.718345	0.965323
1250	ENSG00000087470.18	1372.571	-0.06062	0.168134	-0.36055	0.718439	0.965323
6912	ENSG00000162408.11	985.8917	-0.06392	0.17731	-0.3605	0.718476	0.965323

610	ENSG00000063854.13	2170.274	0.055243	0.15328	0.360403	0.718546	0.965323
1924	ENSG00000102974.16	1887.514	0.061016	0.169435	0.360115	0.718761	0.965439
5434	ENSG00000141965.5	1758.843	-0.05675	0.157625	-0.36002	0.718835	0.965439
3936	ENSG00000126733.21	184.2967	-0.1048	0.291161	-0.35995	0.718886	0.965439
2583	ENSG00000109762.16	419.6693	0.076506	0.212835	0.359464	0.719248	0.965642
10020	ENSG00000198689.12	534.7426	-0.07189	0.200023	-0.35941	0.719286	0.965642
3543	ENSG00000121406.9	183.8864	-0.10076	0.280454	-0.35926	0.719397	0.965642
5363	ENSG00000141295.14	626.6363	0.075243	0.20946	0.359225	0.719427	0.965642
3643	ENSG00000123091.5	1434.968	0.062249	0.17331	0.359179	0.719461	0.965642
8102	ENSG00000171097.14	328.9561	0.08447	0.235401	0.358836	0.719718	0.965683
3237	ENSG00000117152.13	522.9465	0.09399	0.261947	0.358814	0.719734	0.965683
7478	ENSG00000166225.8	411.1265	-0.08645	0.241213	-0.35838	0.720056	0.965683
3625	ENSG00000122778.10	1706.672	-0.06418	0.179127	-0.35832	0.720106	0.965683
521	ENSG00000055211.14	767.7461	0.06499	0.181409	0.358254	0.720153	0.965683
6485	ENSG00000156802.13	1234.533	0.06255	0.174616	0.358218	0.720181	0.965683
5164	ENSG00000139044.12	927.8105	-0.06496	0.18134	-0.3582	0.720197	0.965683
9726	ENSG00000196549.12	566.3923	0.07528	0.210241	0.358064	0.720295	0.965683
2615	ENSG00000110107.9	3563.995	-0.05498	0.153543	-0.35805	0.720304	0.965683
7953	ENSG00000169764.15	1116.911	-0.06026	0.168329	-0.358	0.72034	0.965683
10773	ENSG00000243147.8	460.5225	0.08268	0.231223	0.357576	0.72066	0.965935
6665	ENSG00000159248.5	292.2551	0.085895	0.240434	0.357248	0.720906	0.965935
1386	ENSG00000091844.8	389.6315	0.079028	0.221275	0.357149	0.72098	0.965935
7673	ENSG00000167625.11	554.6997	0.068714	0.192407	0.357127	0.720997	0.965935
4602	ENSG00000134330.19	947.8366	0.06579	0.184299	0.356973	0.721112	0.965935
3067	ENSG00000115464.15	2565.098	-0.05608	0.157153	-0.35684	0.721209	0.965935
1243	ENSG00000087299.12	553.3938	-0.06977	0.195606	-0.35669	0.721325	0.965935
10994	ENSG00000259642.2	178.9795	0.097993	0.274864	0.356514	0.721455	0.965935
4412	ENSG00000132522.16	3222.987	0.05709	0.16018	0.356411	0.721533	0.965935
11312	ENSG00000280433.1	386.8555	-0.07523	0.211094	-0.35636	0.721572	0.965935
11106	ENSG00000267575.7	224.6488	0.093911	0.263547	0.356336	0.721589	0.965935
7960	ENSG00000169862.19	875.7743	0.076007	0.213375	0.356213	0.721681	0.965935
10458	ENSG00000215784.6	209.5029	-0.09508	0.26696	-0.35616	0.721723	0.965935
4670	ENSG00000135047.15	1592.058	-0.05691	0.159826	-0.3561	0.721763	0.965935
6550	ENSG00000157741.15	836.6894	-0.06423	0.180387	-0.35605	0.7218	0.965935
10315	ENSG00000212719.13	934.9234	-0.06135	0.172525	-0.35557	0.72216	0.96616
2906	ENSG00000113597.18	415.6016	0.078658	0.22124	0.355535	0.722189	0.96616
3802	ENSG00000125445.11	811.7131	0.06309	0.177496	0.355444	0.722257	0.96616
3412	ENSG00000119655.11	3890.051	-0.0648	0.182417	-0.35522	0.722427	0.96616
10537	ENSG00000225439.3	285.1041	-0.08786	0.247631	-0.35481	0.722732	0.96616
8318	ENSG00000173209.23	1266.162	-0.07184	0.20256	-0.35468	0.722831	0.96616
4186	ENSG00000130349.10	202.9409	-0.09346	0.263705	-0.3544	0.723035	0.96616
9276	ENSG00000184840.12	4638.818	0.052496	0.148132	0.354385	0.72305	0.96616
7634	ENSG00000167377.18	216.4012	-0.09199	0.259566	-0.35438	0.723053	0.96616
2895	ENSG00000113522.14	1598.214	-0.05737	0.161908	-0.35432	0.723101	0.96616
5112	ENSG00000138593.9	646.0068	0.074298	0.209743	0.354236	0.723162	0.96616
11049	ENSG00000261801.6	264.489	0.089611	0.253004	0.35419	0.723197	0.96616
4151	ENSG00000130024.15	1892.797	0.058595	0.165455	0.354145	0.72323	0.96616
3932	ENSG00000126653.18	1138.001	0.061752	0.174418	0.354049	0.723302	0.96616
4741	ENSG00000135597.19	1063.041	-0.05953	0.168371	-0.35358	0.723653	0.96616
345	ENSG00000033050.9	1192.072	-0.06765	0.191379	-0.35347	0.723736	0.96616
8984	ENSG00000181555.21	1873.464	-0.05746	0.162562	-0.35345	0.723748	0.96616
8658	ENSG00000177058.12	277.346	0.095188	0.269492	0.353215	0.723928	0.96616

6431	ENSG00000155980.13	386.6772	-0.08653	0.24503	-0.35314	0.723986	0.96616
3958	ENSG00000126945.9	1455.916	0.057437	0.16275	0.352916	0.724151	0.96616
10966	ENSG00000257727.6	1665.548	-0.05861	0.166099	-0.35288	0.724177	0.96616
4735	ENSG00000135535.17	5705.071	0.065702	0.186192	0.352871	0.724185	0.96616
10440	ENSG00000215154.6	200.1586	-0.09449	0.267847	-0.35277	0.724258	0.96616
7622	ENSG00000167272.11	408.0308	0.075887	0.215153	0.352712	0.724304	0.96616
7457	ENSG00000166133.18	300.2207	0.082635	0.234316	0.352664	0.724341	0.96616
7481	ENSG00000166233.15	1389.334	0.066201	0.187736	0.352626	0.724369	0.96616
5821	ENSG00000146282.18	449.868	-0.0716	0.203058	-0.35262	0.724376	0.96616
6726	ENSG00000160190.14	1502.783	-0.059	0.167336	-0.35257	0.724409	0.96616
7821	ENSG00000168734.14	346.2026	-0.08312	0.23584	-0.35245	0.724501	0.96616
8076	ENSG00000170854.18	208.5312	0.095902	0.272114	0.352432	0.724514	0.96616
9783	ENSG00000196961.13	4697.492	0.060101	0.170674	0.352142	0.724732	0.966288
4535	ENSG00000133740.11	490.4797	-0.07243	0.205825	-0.35192	0.724899	0.966288
10561	ENSG00000226950.8	946.3455	-0.06767	0.19239	-0.35172	0.725047	0.966288
7928	ENSG00000169607.13	567.0396	0.084397	0.24003	0.351612	0.725129	0.966288
11332	ENSG00000283189.2	193.4851	-0.09974	0.283706	-0.35157	0.72516	0.966288
10869	ENSG00000250366.2	576.8035	0.074443	0.211756	0.351551	0.725175	0.966288
2376	ENSG00000107295.10	1068.274	-0.06916	0.196751	-0.35149	0.725224	0.966288
6938	ENSG00000162636.16	424.5202	-0.07843	0.223303	-0.35123	0.725412	0.966288
5697	ENSG00000144712.12	743.0916	0.064674	0.184149	0.351203	0.725436	0.966288
5225	ENSG00000139684.15	1720.007	0.059167	0.168528	0.35108	0.725528	0.966288
10282	ENSG00000205710.4	261.3792	0.091544	0.260764	0.35106	0.725543	0.966288
4824	ENSG00000136213.10	620.2338	0.070606	0.201524	0.35036	0.726069	0.966875
6125	ENSG00000151239.14	1642.063	0.06936	0.198053	0.350212	0.72618	0.966881
5736	ENSG00000145241.11	273.5125	-0.08342	0.238265	-0.3501	0.726265	0.966881
271	ENSG00000018610.15	287.5898	-0.09268	0.264863	-0.34993	0.726393	0.966881
1266	ENSG00000088367.23	2246.87	-0.06224	0.177937	-0.3498	0.726487	0.966881
6470	ENSG00000156564.9	1121.63	0.074623	0.213339	0.349788	0.726498	0.966881
11201	ENSG00000273559.5	521.9442	-0.0698	0.20011	-0.3488	0.727241	0.967554
3276	ENSG00000117543.21	374.4364	-0.07783	0.2232	-0.34872	0.727303	0.967554
4876	ENSG00000136715.19	1671.729	-0.0643	0.18442	-0.34864	0.727358	0.967554
2002	ENSG00000103512.15	9588.541	-0.06143	0.176214	-0.34858	0.727401	0.967554
1098	ENSG00000082068.9	411.8683	-0.07628	0.218853	-0.34855	0.727429	0.967554
867	ENSG00000072803.17	1473.499	-0.07306	0.209834	-0.34817	0.727714	0.967736
4797	ENSG00000135999.12	672.9204	0.066541	0.191133	0.348139	0.727736	0.967736
3897	ENSG00000126091.21	428.7463	-0.08125	0.233628	-0.34779	0.727995	0.967969
3679	ENSG00000123562.18	3437.006	-0.0624	0.179529	-0.3476	0.728143	0.968037
5918	ENSG00000147687.19	171.7686	-0.10127	0.291468	-0.34746	0.728244	0.968037
4858	ENSG00000136518.17	838.599	-0.06996	0.201382	-0.34739	0.728302	0.968037
4842	ENSG00000136371.11	336.5569	-0.07627	0.219819	-0.34697	0.728614	0.968216
7612	ENSG00000167186.11	452.5234	0.070648	0.203671	0.346872	0.728687	0.968216
3638	ENSG00000122970.16	534.3161	-0.06897	0.198849	-0.34687	0.728692	0.968216
5616	ENSG00000143815.15	1001.424	0.066838	0.193018	0.346276	0.729135	0.968571
1299	ENSG00000089123.16	243.0466	0.085603	0.247295	0.346158	0.729224	0.968571
6302	ENSG00000153956.16	7621.242	0.06906	0.199544	0.346089	0.729275	0.968571
1715	ENSG00000100926.15	2200.653	-0.05917	0.17104	-0.34597	0.729367	0.968571
9784	ENSG00000196967.11	232.1681	-0.0946	0.273537	-0.34585	0.729457	0.968571
9318	ENSG00000185158.12	276.9813	-0.08178	0.236524	-0.34575	0.729528	0.968571
1446	ENSG00000095397.16	210.7115	-0.09966	0.288332	-0.34563	0.729621	0.968571
757	ENSG00000068784.13	382.8733	-0.07338	0.212364	-0.34552	0.729707	0.968571
9264	ENSG00000184661.14	260.7198	-0.08616	0.249378	-0.34549	0.729725	0.968571

612	ENSG00000064042.18	408.7829	-0.08364	0.242194	-0.34533	0.729849	0.968578
6368	ENSG00000154945.7	823.4277	-0.06507	0.188469	-0.34526	0.7299	0.968578
1712	ENSG00000100911.16	1053.656	-0.0584	0.169344	-0.34488	0.730188	0.968745
4445	ENSG00000132773.12	372.7271	-0.07612	0.220784	-0.34478	0.73026	0.968745
2150	ENSG00000105186.16	657.9819	-0.06416	0.186094	-0.34475	0.73028	0.968745
6345	ENSG00000154640.15	1057.241	-0.06209	0.180222	-0.3445	0.730468	0.96888
9950	ENSG00000198171.13	3914	0.050651	0.147183	0.344135	0.730745	0.969135
2851	ENSG00000112874.10	244.5418	-0.09954	0.289489	-0.34383	0.730973	0.969266
2180	ENSG00000105373.19	6080.94	0.052374	0.152365	0.343742	0.73104	0.969266
7377	ENSG00000165516.11	1242.648	-0.06201	0.180427	-0.34366	0.731099	0.969266
3303	ENSG00000117862.13	1602.781	-0.06025	0.17547	-0.34334	0.731339	0.969284
5329	ENSG00000140941.14	1880.642	0.056647	0.165049	0.343215	0.731437	0.969284
9813	ENSG00000197122.12	4279.006	-0.05486	0.159928	-0.343	0.731597	0.969284
433	ENSG00000047621.12	303.9197	-0.09033	0.263358	-0.343	0.731597	0.969284
7313	ENSG00000164983.7	1125.302	0.067651	0.197345	0.342809	0.731742	0.969284
7955	ENSG00000169813.16	4298.351	-0.05857	0.170921	-0.34266	0.731856	0.969284
9596	ENSG00000188739.15	431.4645	0.077534	0.226413	0.342447	0.732015	0.969284
5811	ENSG00000146151.14	849.4844	0.064155	0.18747	0.342214	0.73219	0.969284
691	ENSG00000066583.12	618.0435	0.064782	0.189311	0.342201	0.7322	0.969284
11008	ENSG00000260257.2	409.827	-0.08649	0.252789	-0.34213	0.732254	0.969284
2545	ENSG00000109118.14	1729.004	-0.05768	0.168669	-0.34199	0.732358	0.969284
5550	ENSG00000143375.15	1240.744	-0.05946	0.17406	-0.34158	0.732665	0.969284
8809	ENSG00000178950.17	3597.482	0.053716	0.157304	0.341478	0.732744	0.969284
6409	ENSG00000155636.15	160.9793	0.097917	0.286765	0.341455	0.732761	0.969284
5812	ENSG00000146216.13	804.9123	0.078431	0.229708	0.341438	0.732774	0.969284
4555	ENSG00000133997.12	474.0258	0.069892	0.20478	0.3413	0.732878	0.969284
1652	ENSG00000100519.12	1061.767	0.059101	0.173262	0.341105	0.733025	0.969284
10344	ENSG00000213397.10	498.5681	0.06851	0.200883	0.341045	0.733069	0.969284
6432	ENSG00000156011.17	1352.561	-0.06929	0.203172	-0.34104	0.733071	0.969284
10268	ENSG00000205531.13	2350.006	0.054674	0.160326	0.341018	0.73309	0.969284
3838	ENSG00000125741.5	1257.726	0.060493	0.1774	0.340999	0.733104	0.969284
7805	ENSG00000168538.16	686.0745	-0.06222	0.182482	-0.34098	0.733121	0.969284
4989	ENSG00000137492.8	955.3686	0.069473	0.203864	0.340782	0.733268	0.969284
7053	ENSG00000163510.14	401.8254	-0.0747	0.219252	-0.34068	0.733344	0.969284
9618	ENSG00000189046.11	232.3123	-0.09151	0.268757	-0.34048	0.733492	0.969284
1076	ENSG00000080947.15	223.1961	0.098125	0.28837	0.340274	0.73365	0.969284
9569	ENSG00000188368.9	177.6711	0.09764	0.286968	0.340246	0.733671	0.969284
10351	ENSG00000213516.10	322.8362	0.077083	0.226575	0.340209	0.733699	0.969284
1780	ENSG00000101363.12	1907.08	0.054027	0.158855	0.340106	0.733777	0.969284
7445	ENSG00000166012.17	890.0836	0.06104	0.179597	0.33987	0.733954	0.969284
1636	ENSG00000100425.18	1879.096	-0.0556	0.163646	-0.33979	0.734018	0.969284
5378	ENSG00000141446.11	305.9934	0.078797	0.231936	0.339735	0.734056	0.969284
4874	ENSG00000136709.12	1736.842	0.057242	0.168574	0.339567	0.734183	0.969284
243	ENSG00000013725.14	242.9146	-0.09043	0.266458	-0.33938	0.734326	0.969284
8720	ENSG00000177728.17	3335.591	0.054519	0.160665	0.339332	0.73436	0.969284
6625	ENSG00000158773.14	897.3241	-0.06255	0.18435	-0.33933	0.734364	0.969284
11243	ENSG00000276043.5	1113.46	0.060997	0.179823	0.339207	0.734454	0.969284
2398	ENSG00000107672.15	296.4573	0.078488	0.231439	0.339131	0.734511	0.969284
4633	ENSG00000134744.14	1759.267	0.056163	0.165674	0.338999	0.734611	0.969284
10202	ENSG00000204525.16	2585.836	0.05155	0.152069	0.338993	0.734615	0.969284
3350	ENSG00000118855.21	700.3653	-0.06157	0.181798	-0.33865	0.734873	0.969284
9585	ENSG00000188610.12	167.2829	-0.09647	0.285114	-0.33837	0.735084	0.969284

9952	ENSG00000198182.13	254.2099	-0.08205	0.242754	-0.33799	0.735369	0.969284
7196	ENSG00000164151.12	871.9151	-0.06235	0.184505	-0.33793	0.735414	0.969284
1079	ENSG00000081019.13	296.0585	-0.08593	0.25452	-0.33763	0.735638	0.969284
5497	ENSG00000142920.17	173.4317	0.093166	0.276041	0.337509	0.735733	0.969284
8678	ENSG00000177272.9	162.683	-0.0973	0.288383	-0.33741	0.735811	0.969284
3981	ENSG00000127511.9	2075.608	-0.06007	0.178085	-0.33732	0.735873	0.969284
3806	ENSG00000125454.12	464.3581	-0.06957	0.206395	-0.33709	0.736051	0.969284
359	ENSG00000035141.8	1356.037	-0.05732	0.170061	-0.33705	0.736077	0.969284
2575	ENSG00000109654.16	552.1548	0.079419	0.235635	0.337045	0.736083	0.969284
10771	ENSG00000242732.4	2835.211	0.053352	0.158313	0.337004	0.736114	0.969284
10167	ENSG00000204267.16	701.5348	-0.09233	0.273967	-0.337	0.736115	0.969284
2783	ENSG00000112159.12	1230.148	0.05778	0.171476	0.336955	0.736151	0.969284
3391	ENSG00000119421.7	636.2141	0.064443	0.191302	0.336866	0.736218	0.969284
3983	ENSG00000127527.14	1420.96	-0.0638	0.189464	-0.33676	0.7363	0.969284
1062	ENSG00000080503.24	4361.487	0.049245	0.146257	0.336703	0.736341	0.969284
6578	ENSG00000158092.7	334.3954	0.0783	0.23265	0.336558	0.73645	0.969284
4740	ENSG00000135596.18	1134.066	-0.06041	0.179591	-0.33638	0.736585	0.969284
2058	ENSG00000104361.10	174.7592	-0.10209	0.303528	-0.33635	0.736611	0.969284
4318	ENSG00000131475.7	2510.452	-0.05152	0.153229	-0.33623	0.736695	0.969284
3894	ENSG00000126067.12	2769.514	-0.05049	0.15018	-0.33617	0.736744	0.969284
2531	ENSG00000109016.17	277.3917	-0.0795	0.236776	-0.33576	0.737054	0.969284
2466	ENSG00000108395.14	951.0296	-0.06205	0.184807	-0.33574	0.737069	0.969284
2932	ENSG00000113924.12	165.025	-0.10266	0.305873	-0.33564	0.737141	0.969284
4632	ENSG00000134717.18	1040.033	0.067694	0.20189	0.335303	0.737396	0.969284
260	ENSG00000015520.15	571.898	-0.08841	0.263763	-0.33518	0.737486	0.969284
8210	ENSG00000172007.7	321.4656	0.093295	0.27836	0.335161	0.737504	0.969284
6116	ENSG00000151116.17	186.6215	0.102211	0.305024	0.335093	0.737555	0.969284
7927	ENSG00000169599.13	406.1915	0.073289	0.218745	0.335045	0.737591	0.969284
7786	ENSG00000168385.18	6597.665	-0.05623	0.167836	-0.33501	0.73762	0.969284
825	ENSG00000071243.16	394.9666	-0.07987	0.238481	-0.33492	0.737689	0.969284
9889	ENSG00000197780.10	245.5984	0.084048	0.250958	0.33491	0.737693	0.969284
9661	ENSG00000196182.11	2256.649	-0.05312	0.158666	-0.33479	0.737784	0.969284
9279	ENSG00000184863.11	1811.557	-0.05578	0.166624	-0.33477	0.7378	0.969284
10918	ENSG00000254772.10	30894.41	0.049231	0.147217	0.334412	0.738069	0.969284
493	ENSG00000053372.5	744.5961	-0.0608	0.181853	-0.33435	0.738114	0.969284
5279	ENSG00000140395.9	529.6715	0.06504	0.194715	0.334028	0.738359	0.969284
8160	ENSG00000171497.5	821.4029	-0.0601	0.179971	-0.33396	0.73841	0.969284
6467	ENSG00000156508.18	113499.4	0.051241	0.153445	0.333935	0.738429	0.969284
997	ENSG00000077585.14	277.0419	0.080108	0.239917	0.333898	0.738457	0.969284
2597	ENSG00000109956.13	737.5121	0.064351	0.19273	0.333895	0.738459	0.969284
9408	ENSG00000185973.12	203.8449	0.09954	0.298167	0.333839	0.738501	0.969284
10593	ENSG00000230006.7	284.888	-0.07771	0.232879	-0.33371	0.7386	0.969284
11143	ENSG00000270055.1	157.2136	-0.09796	0.293613	-0.33365	0.738642	0.969284
10824	ENSG00000246067.8	268.2704	0.078943	0.236614	0.333638	0.738653	0.969284
10429	ENSG00000214765.8	230.5006	-0.09088	0.272562	-0.33342	0.738819	0.969284
65	ENSG00000005249.13	593.6459	-0.06667	0.199994	-0.33338	0.738846	0.969284
1789	ENSG00000101421.4	5196.783	0.050106	0.150329	0.333307	0.738903	0.969284
11193	ENSG00000273154.3	364.9052	0.093678	0.281335	0.332978	0.739151	0.969284
1229	ENSG00000087095.13	503.8821	-0.06628	0.199131	-0.33287	0.739233	0.969284
8644	ENSG00000176946.12	1348.607	-0.05559	0.16702	-0.33283	0.73926	0.969284
6609	ENSG00000158528.12	604.7109	-0.06835	0.205427	-0.33271	0.739356	0.969284
6972	ENSG00000162885.14	265.2266	-0.08085	0.243034	-0.33267	0.739385	0.969284

7879	ENSG00000169131.13	338.9779	0.073777	0.22182	0.332597	0.739439	0.969284
407	ENSG00000042317.17	265.0858	0.083155	0.250185	0.332373	0.739608	0.969284
6279	ENSG00000153531.13	196.2138	0.100603	0.302716	0.332336	0.739635	0.969284
2633	ENSG00000110422.12	1406.549	0.072523	0.218337	0.332161	0.739768	0.969284
8756	ENSG00000178127.13	1745.198	0.05481	0.165014	0.332153	0.739774	0.969284
4752	ENSG00000135679.25	870.6172	0.05861	0.176489	0.332088	0.739823	0.969284
1807	ENSG00000101558.14	1720.055	0.066703	0.20102	0.331822	0.740023	0.969284
677	ENSG00000066044.15	2346.828	-0.0516	0.155553	-0.33169	0.740124	0.969284
2710	ENSG00000111554.14	203.4142	-0.09162	0.276343	-0.33154	0.740237	0.969284
7460	ENSG00000166140.17	1111.051	-0.05765	0.173923	-0.33148	0.74028	0.969284
3540	ENSG00000121310.17	744.2535	0.067885	0.205007	0.331135	0.740543	0.969284
10237	ENSG00000204961.7	202.165	0.087631	0.264706	0.331049	0.740607	0.969284
3172	ENSG00000116514.16	789.3186	-0.06383	0.192836	-0.331	0.740648	0.969284
1642	ENSG00000100442.11	1250.615	0.056706	0.171367	0.330902	0.740718	0.969284
5589	ENSG00000143621.17	5502.817	0.052134	0.157614	0.330772	0.740816	0.969284
11223	ENSG00000274487.2	275.1067	-0.08308	0.251247	-0.33067	0.740893	0.969284
1039	ENSG00000079335.20	205.8864	-0.08666	0.262173	-0.33054	0.740992	0.969284
6311	ENSG00000154122.14	1980.809	-0.05176	0.156647	-0.33043	0.741072	0.969284
10587	ENSG00000228960.6	242.9186	0.08258	0.249979	0.330347	0.741138	0.969284
2044	ENSG00000104219.13	873.1812	0.06599	0.199917	0.330086	0.741335	0.969284
3711	ENSG00000124155.18	13821.17	0.048104	0.145751	0.330044	0.741367	0.969284
5230	ENSG00000139722.7	935.7076	-0.06019	0.182416	-0.32999	0.74141	0.969284
7467	ENSG00000166170.9	760.1741	0.065202	0.19774	0.329738	0.741598	0.969284
6666	ENSG00000159256.13	250.6228	0.08246	0.250246	0.329514	0.741767	0.969284
3821	ENSG00000125629.15	367.8568	0.078263	0.237549	0.329462	0.741806	0.969284
3233	ENSG00000117133.11	678.177	0.065207	0.197963	0.329388	0.741862	0.969284
2385	ENSG00000107443.16	317.3778	0.079955	0.242745	0.329379	0.741869	0.969284
7359	ENSG00000165392.11	269.0035	0.085268	0.258935	0.329305	0.741925	0.969284
387	ENSG00000039123.16	1248.595	-0.06621	0.201114	-0.3292	0.742003	0.969284
6334	ENSG00000154380.17	731.2223	0.064269	0.195242	0.329177	0.742022	0.969284
4504	ENSG00000133302.13	305.9678	0.076602	0.232725	0.329153	0.74204	0.969284
9487	ENSG00000187122.17	398.6542	0.069283	0.210537	0.32908	0.742095	0.969284
7933	ENSG00000169635.10	789.0771	0.06214	0.188939	0.32889	0.742239	0.969284
4189	ENSG00000130396.20	4855.669	-0.05093	0.154858	-0.32889	0.742241	0.969284
9510	ENSG00000187601.5	681.8582	-0.06628	0.20158	-0.32882	0.742293	0.969284
8104	ENSG00000171103.11	296.3461	0.075251	0.22914	0.328406	0.742604	0.969284
11158	ENSG00000271614.1	186.3785	0.089125	0.271442	0.328338	0.742656	0.969284
3286	ENSG00000117620.15	351.1377	-0.07884	0.24015	-0.32828	0.742698	0.969284
2839	ENSG00000112701.18	1647.636	0.052583	0.160175	0.328281	0.742699	0.969284
847	ENSG00000072135.13	2732.105	-0.05142	0.156635	-0.32828	0.7427	0.969284
4902	ENSG00000136854.23	11504.84	-0.04856	0.147952	-0.32821	0.742753	0.969284
10006	ENSG00000198589.14	1879.78	0.056924	0.173447	0.328193	0.742766	0.969284
11304	ENSG00000279692.1	274.3795	0.089525	0.27279	0.328182	0.742774	0.969284
6465	ENSG00000156502.14	376.2246	-0.06993	0.213224	-0.32798	0.742925	0.969311
1622	ENSG00000100380.14	5281.085	0.048827	0.148922	0.327867	0.743012	0.969311
3150	ENSG00000116212.15	1580.76	-0.05276	0.160944	-0.32782	0.74305	0.969311
3934	ENSG00000126705.15	2806.732	-0.05203	0.158848	-0.32757	0.743239	0.969445
1649	ENSG00000100485.12	793.0538	0.061054	0.1865	0.327368	0.74339	0.969492
10880	ENSG00000251022.6	377.0382	-0.07468	0.228291	-0.32712	0.743574	0.969492
1169	ENSG00000085117.12	1486.659	-0.07097	0.216972	-0.32709	0.743603	0.969492
4401	ENSG00000132437.18	2501.651	0.055019	0.168238	0.327034	0.743642	0.969492
10812	ENSG00000244754.9	1337.062	-0.05444	0.166545	-0.3269	0.743742	0.969492

336	ENSG00000031691.7	191.4959	0.092966	0.284435	0.326845	0.743785	0.969492
7322	ENSG00000165092.13	8082.124	0.051341	0.157197	0.326601	0.74397	0.969573
6429	ENSG00000155970.12	158.822	0.104409	0.319785	0.326499	0.744047	0.969573
11344	ENSG00000284770.2	382.9368	0.069238	0.212202	0.326284	0.744209	0.969573
6846	ENSG00000161547.17	4285.656	0.048501	0.148693	0.326184	0.744285	0.969573
4343	ENSG00000131788.16	955.177	-0.06208	0.190438	-0.32599	0.744428	0.969573
1596	ENSG00000100297.16	5075.96	0.055011	0.168794	0.325905	0.744496	0.969573
9814	ENSG00000197128.11	165.1127	-0.1021	0.313396	-0.32578	0.74459	0.969573
9222	ENSG00000184203.8	804.1444	0.060272	0.185026	0.325752	0.744612	0.969573
2476	ENSG00000108506.12	431.3928	-0.07438	0.228569	-0.32542	0.74486	0.969573
7136	ENSG00000163930.10	3673.991	-0.04959	0.152384	-0.3254	0.744879	0.969573
8961	ENSG00000181135.16	238.8117	0.080257	0.246652	0.325386	0.744889	0.969573
5913	ENSG00000147669.11	701.7742	0.067931	0.208772	0.325386	0.744889	0.969573
10988	ENSG00000259330.3	607.9145	-0.06094	0.187401	-0.32517	0.745052	0.969573
8274	ENSG00000172765.17	238.9653	0.08661	0.26648	0.325013	0.745171	0.969573
5861	ENSG00000146966.13	1284.959	-0.05522	0.169916	-0.32496	0.74521	0.969573
4609	ENSG00000134440.12	2607.551	-0.0511	0.157257	-0.32496	0.74521	0.969573
5145	ENSG00000138764.15	512.6305	-0.06955	0.214291	-0.32457	0.745508	0.969624
3398	ENSG00000119523.10	1543.264	-0.05457	0.168159	-0.32452	0.745541	0.969624
1697	ENSG00000100814.18	877.1177	-0.0578	0.178166	-0.32444	0.745602	0.969624
6897	ENSG00000162244.12	7978.93	0.051047	0.157367	0.32438	0.74565	0.969624
11249	ENSG00000276547.1	444.5366	-0.08106	0.249981	-0.32428	0.745727	0.969624
3013	ENSG00000114999.8	1249.027	0.06467	0.199545	0.324086	0.745873	0.969624
5688	ENSG00000144619.15	258.8885	-0.08934	0.275664	-0.32408	0.745879	0.969624
4618	ENSG00000134569.10	1166.633	-0.05813	0.179418	-0.32401	0.74593	0.969624
2321	ENSG00000106591.4	452.4707	-0.07029	0.217042	-0.32385	0.746052	0.969666
9725	ENSG00000196547.15	3523.545	-0.05193	0.160413	-0.32374	0.746133	0.969666
2047	ENSG00000104231.11	426.6439	-0.07128	0.220311	-0.32356	0.746272	0.969672
244	ENSG00000013810.20	2788.374	0.056209	0.173814	0.323384	0.746404	0.969672
4324	ENSG00000131508.16	3264.354	-0.04966	0.153587	-0.32333	0.746444	0.969672
6303	ENSG00000153975.10	243.3186	-0.07916	0.244913	-0.32322	0.746528	0.969672
1887	ENSG00000102531.16	2720.73	-0.05534	0.171384	-0.3229	0.746772	0.969672
1119	ENSG00000083093.10	514.0054	-0.06639	0.20577	-0.32265	0.746964	0.969672
5190	ENSG00000139350.12	302.2003	0.078321	0.24303	0.32227	0.747248	0.969672
1570	ENSG00000100206.10	262.2861	-0.10093	0.313467	-0.32198	0.747469	0.969672
3496	ENSG00000120699.13	781.8828	0.05746	0.178465	0.321969	0.747476	0.969672
3757	ENSG00000124588.21	159.6394	-0.09377	0.291373	-0.32184	0.747576	0.969672
3334	ENSG00000118496.5	264.7679	0.083949	0.260892	0.321777	0.747622	0.969672
3319	ENSG00000118200.14	617.5194	-0.06491	0.201749	-0.32172	0.747663	0.969672
1863	ENSG00000102172.16	2914.185	0.048563	0.150957	0.321699	0.747681	0.969672
10304	ENSG00000206562.12	339.6363	-0.07269	0.22599	-0.32167	0.747705	0.969672
6141	ENSG00000151458.12	436.228	-0.07188	0.223465	-0.32167	0.747706	0.969672
337	ENSG00000031698.13	3775.298	-0.0543	0.168799	-0.32166	0.747712	0.969672
6415	ENSG00000155760.2	280.1222	-0.07816	0.243052	-0.32156	0.747783	0.969672
4178	ENSG00000130311.11	1529.774	-0.05127	0.159458	-0.32151	0.747823	0.969672
4033	ENSG00000128272.15	11901.44	0.050576	0.157336	0.321453	0.747867	0.969672
4714	ENSG00000135406.14	356.7341	-0.07615	0.23694	-0.32139	0.747912	0.969672
10330	ENSG00000213186.8	351.403	0.069931	0.217627	0.321333	0.747958	0.969672
6003	ENSG00000148985.20	947.2471	-0.05626	0.175264	-0.32102	0.748195	0.969672
11290	ENSG00000278834.1	240.3903	-0.07991	0.248999	-0.32091	0.748281	0.969672
9899	ENSG00000197860.10	332.5818	0.078178	0.243638	0.320877	0.748304	0.969672
1914	ENSG00000102897.10	701.8803	0.059287	0.184777	0.320857	0.748319	0.969672

10435	ENSG00000215021.9	3057.802	-0.04999	0.155838	-0.32076	0.748393	0.969672
701	ENSG00000066926.12	359.7567	0.097375	0.303753	0.320574	0.748533	0.969672
8873	ENSG00000179833.4	361.6514	-0.07407	0.231098	-0.32051	0.74858	0.969672
6298	ENSG00000153922.11	858.3073	0.071143	0.222007	0.320453	0.748625	0.969672
7329	ENSG00000165152.9	1418.678	-0.05227	0.16322	-0.32023	0.748796	0.969672
9692	ENSG00000196372.13	268.3774	0.079376	0.247928	0.320159	0.748848	0.969672
11069	ENSG00000264247.2	432.3605	0.068993	0.215573	0.320045	0.748934	0.969672
450	ENSG00000048991.16	2149.48	-0.05519	0.172453	-0.32003	0.748947	0.969672
7367	ENSG00000165458.14	8024.762	0.049489	0.154741	0.319817	0.749107	0.969684
10464	ENSG00000215912.12	177.6376	0.092204	0.288434	0.319672	0.749217	0.969684
428	ENSG00000047346.12	756.9931	-0.05919	0.185257	-0.3195	0.749346	0.969684
1560	ENSG00000100129.18	5974.488	-0.04777	0.149545	-0.31946	0.749374	0.969684
6736	ENSG00000160213.9	2404.912	0.05372	0.168164	0.319453	0.749383	0.969684
9949	ENSG00000198169.9	219.6786	-0.08246	0.258227	-0.31934	0.749468	0.969684
10427	ENSG00000214736.7	1376.908	-0.05577	0.174708	-0.31921	0.749566	0.969701
9834	ENSG00000197302.10	188.2486	-0.10995	0.344615	-0.31905	0.74969	0.969751
4983	ENSG00000137414.6	970.8666	-0.05663	0.177711	-0.31866	0.749986	0.969972
45	ENSG00000004809.14	172.3953	0.093833	0.294518	0.318598	0.750031	0.969972
3023	ENSG00000115129.14	448.7682	0.068591	0.215424	0.3184	0.750181	0.970054
3317	ENSG00000118193.12	346.5405	0.070603	0.221819	0.31829	0.750265	0.970054
11132	ENSG00000269609.6	608.683	-0.0596	0.187516	-0.31782	0.750618	0.970205
4123	ENSG00000129515.20	1066.571	0.058663	0.184609	0.317768	0.750661	0.970205
302	ENSG00000023902.14	1118.483	0.061926	0.195035	0.317512	0.750855	0.970205
5315	ENSG00000140694.17	1054.513	-0.05391	0.169856	-0.31741	0.750934	0.970205
4492	ENSG00000133138.20	170.2238	0.088913	0.280215	0.317304	0.751013	0.970205
10939	ENSG00000256028.2	223.6938	-0.08393	0.264542	-0.31726	0.751044	0.970205
8751	ENSG00000178074.6	367.3263	0.07058	0.222476	0.317247	0.751056	0.970205
8011	ENSG00000170270.5	203.4802	0.082861	0.261231	0.317195	0.751096	0.970205
2386	ENSG00000107518.18	420.5291	-0.06721	0.211933	-0.31713	0.751149	0.970205
11085	ENSG00000265933.5	222.5099	-0.08317	0.262743	-0.31654	0.751596	0.970519
4747	ENSG00000135632.12	526.7518	-0.06598	0.208481	-0.31649	0.751633	0.970519
6684	ENSG00000159579.14	722.7211	-0.05983	0.189043	-0.31647	0.751647	0.970519
10180	ENSG00000204356.14	1342.545	-0.05875	0.1859	-0.31602	0.751986	0.970611
2393	ENSG00000107581.13	2946.03	-0.04739	0.150025	-0.31591	0.752069	0.970611
4044	ENSG00000128563.13	1043.496	-0.05878	0.186123	-0.31581	0.752145	0.970611
5013	ENSG00000137764.20	510.0629	0.066554	0.210813	0.315702	0.752229	0.970611
2027	ENSG00000104047.15	230.0367	-0.08128	0.257517	-0.31562	0.752291	0.970611
4699	ENSG00000135316.18	2753.326	-0.04963	0.157256	-0.31562	0.752293	0.970611
2394	ENSG00000107625.13	750.069	0.056993	0.180594	0.315588	0.752316	0.970611
1664	ENSG00000100578.18	396.7431	0.069797	0.221499	0.31511	0.752678	0.970969
7186	ENSG00000164104.12	2811.395	0.050765	0.161247	0.314827	0.752893	0.97106
7119	ENSG00000163848.20	636.2408	0.067963	0.215897	0.314793	0.752919	0.97106
10443	ENSG00000215193.13	3149.85	-0.05066	0.161151	-0.31436	0.753251	0.971295
441	ENSG00000048342.17	209.7989	-0.0817	0.260115	-0.31411	0.75344	0.971295
2296	ENSG00000106344.8	1449.981	-0.0604	0.192319	-0.31407	0.753467	0.971295
981	ENSG00000077150.20	517.9215	0.064134	0.204263	0.313979	0.753537	0.971295
4346	ENSG00000131828.14	2437.777	0.052317	0.166633	0.313966	0.753547	0.971295
1671	ENSG00000100603.14	1441.101	-0.05054	0.161003	-0.31388	0.753613	0.971295
1364	ENSG00000091009.8	489.9535	-0.06902	0.220035	-0.31366	0.753776	0.971395
3962	ENSG00000127054.21	2856.123	0.048609	0.155253	0.313095	0.754209	0.971843
10312	ENSG00000211460.12	2100.264	0.052653	0.168283	0.312883	0.75437	0.97194
3872	ENSG00000125885.13	798.2204	0.055428	0.177417	0.312415	0.754725	0.972288

4050	ENSG00000128585.18	940.0002	-0.05983	0.191678	-0.31215	0.754929	0.97244
1814	ENSG00000101638.14	381.9879	0.072755	0.233236	0.311938	0.755087	0.972535
3385	ENSG00000119397.16	420.2534	-0.06959	0.223506	-0.31137	0.755522	0.972925
3158	ENSG00000116285.13	707.0902	0.068591	0.220328	0.311315	0.755561	0.972925
683	ENSG00000066279.18	888.7512	-0.06254	0.201031	-0.31109	0.755728	0.973005
8966	ENSG00000181220.17	950.2956	-0.05328	0.171438	-0.31079	0.755957	0.973005
660	ENSG00000065609.14	1038.573	-0.05701	0.183543	-0.31063	0.756085	0.973005
9283	ENSG00000184900.16	1844.28	0.054681	0.176048	0.310604	0.756101	0.973005
7635	ENSG00000167378.8	1838.302	0.057468	0.185148	0.310393	0.756262	0.973005
1822	ENSG00000101752.11	1228.93	0.067128	0.216295	0.310352	0.756293	0.973005
11190	ENSG00000273108.1	244.1761	-0.08737	0.281515	-0.31034	0.7563	0.973005
1116	ENSG00000082898.17	3482.886	0.054666	0.176199	0.310249	0.756371	0.973005
2964	ENSG00000114405.11	996.6654	0.06045	0.19486	0.310221	0.756393	0.973005
2984	ENSG00000114698.15	220.939	-0.07974	0.257295	-0.30992	0.756624	0.973035
8923	ENSG00000180611.7	252.2018	0.086786	0.280034	0.309914	0.756626	0.973035
10451	ENSG00000215375.6	280.936	0.07457	0.24075	0.30974	0.756759	0.973035
1611	ENSG00000100347.15	444.5848	-0.06561	0.211943	-0.30955	0.756906	0.973035
8392	ENSG00000173928.4	159.8588	0.093923	0.303445	0.309523	0.756924	0.973035
7358	ENSG00000165389.7	734.406	0.065353	0.211147	0.309516	0.756929	0.973035
6175	ENSG00000151849.15	346.3019	0.075978	0.245673	0.309265	0.75712	0.973121
7764	ENSG00000168243.11	2806.162	0.048427	0.156618	0.309204	0.757166	0.973121
9137	ENSG00000183317.17	1347.187	0.060393	0.195473	0.308957	0.757354	0.973253
10710	ENSG00000239789.6	257.6655	0.074405	0.241093	0.308615	0.757615	0.973478
5130	ENSG00000138670.17	276.51	0.077648	0.251825	0.308343	0.757822	0.973519
10339	ENSG00000213341.11	1081.474	-0.05371	0.174179	-0.30834	0.757825	0.973519
3247	ENSG00000117308.15	515.834	0.062916	0.2042	0.30811	0.757999	0.973519
7624	ENSG00000167281.19	260.6339	0.093383	0.303204	0.307986	0.758093	0.973519
9809	ENSG00000197111.16	22526.3	0.043026	0.13973	0.307922	0.758142	0.973519
9794	ENSG00000197021.9	454.4412	-0.06224	0.202137	-0.3079	0.75816	0.973519
554	ENSG00000058799.15	462.2593	-0.06251	0.203163	-0.30771	0.758306	0.973597
10009	ENSG00000198612.11	652.8747	-0.0619	0.201424	-0.30733	0.758589	0.973629
5046	ENSG00000138028.16	192.0394	0.088074	0.286651	0.307252	0.758652	0.973629
1850	ENSG00000102054.18	6261.059	0.045158	0.147115	0.306954	0.758878	0.973629
3219	ENSG00000116954.8	1017.96	-0.05207	0.169712	-0.30684	0.758967	0.973629
3182	ENSG00000116604.18	1744.081	-0.04961	0.161781	-0.30667	0.759097	0.973629
394	ENSG00000040341.18	681.2827	0.064807	0.211544	0.306353	0.759336	0.973629
11195	ENSG00000273270.1	550.5941	-0.05889	0.192246	-0.30633	0.759352	0.973629
6268	ENSG00000153250.20	920.8739	0.057499	0.187708	0.306323	0.759359	0.973629
5800	ENSG00000146038.12	292.2143	-0.07147	0.233371	-0.30623	0.759429	0.973629
7996	ENSG00000170100.13	407.5521	-0.09129	0.298214	-0.30611	0.759521	0.973629
5058	ENSG00000138078.16	2007.181	0.057631	0.188318	0.306031	0.759581	0.973629
9022	ENSG00000182117.6	1102.618	0.054703	0.178942	0.3057	0.759833	0.973629
5278	ENSG00000140391.15	5148.834	0.045181	0.147835	0.305621	0.759893	0.973629
486	ENSG00000052723.12	669.0074	0.056186	0.18388	0.305557	0.759942	0.973629
6630	ENSG00000158806.14	605.6066	0.059631	0.195243	0.305419	0.760047	0.973629
74	ENSG00000005700.15	1035.245	0.054846	0.179652	0.30529	0.760146	0.973629
6454	ENSG00000156345.18	434.2261	-0.06346	0.207897	-0.30524	0.760187	0.973629
4991	ENSG00000137497.18	9186.501	-0.05073	0.166209	-0.30523	0.760188	0.973629
9077	ENSG00000182704.8	553.891	-0.06244	0.204589	-0.30522	0.760199	0.973629
5213	ENSG00000139618.16	320.8501	0.073595	0.24125	0.305057	0.760322	0.973629
6019	ENSG00000149231.15	488.0638	-0.06068	0.198966	-0.30499	0.760377	0.973629
3470	ENSG00000120306.11	1466.348	0.052529	0.172268	0.304925	0.760423	0.973629

10973	ENSG00000258366.9	1962.553	0.04998	0.16394	0.304868	0.760467	0.973629
2847	ENSG00000112796.10	194.3477	0.083394	0.273715	0.304673	0.760615	0.973629
7959	ENSG00000169857.9	188.0978	0.081328	0.267067	0.304522	0.76073	0.973629
6272	ENSG00000153339.14	550.8824	-0.06261	0.205633	-0.30447	0.760766	0.973629
3721	ENSG00000124207.17	4170.219	0.047318	0.155419	0.304453	0.760782	0.973629
1600	ENSG00000100307.13	589.4178	0.067121	0.220574	0.304301	0.760899	0.973629
3632	ENSG00000122884.12	431.4452	-0.06957	0.228625	-0.30429	0.760904	0.973629
1166	ENSG00000084764.12	2032.344	-0.04909	0.161351	-0.30426	0.760927	0.973629
10362	ENSG00000213625.9	856.5289	0.059864	0.196902	0.304029	0.761106	0.973629
9433	ENSG00000186283.14	1128.801	-0.05265	0.173382	-0.30364	0.761405	0.973629
9480	ENSG00000187049.10	258.2014	-0.07955	0.262087	-0.30352	0.761496	0.973629
2923	ENSG00000113761.12	549.6444	-0.06228	0.205237	-0.30345	0.761545	0.973629
5659	ENSG00000144320.14	1404.562	0.055698	0.183634	0.303309	0.761654	0.973629
10522	ENSG00000224152.1	198.3528	-0.08337	0.274967	-0.30318	0.76175	0.973629
11229	ENSG00000275052.5	1379.879	0.058675	0.193534	0.303175	0.761757	0.973629
10734	ENSG00000241127.8	294.8906	0.073644	0.242969	0.303099	0.761815	0.973629
1959	ENSG00000103187.8	1143.128	-0.05495	0.181341	-0.30305	0.761856	0.973629
659	ENSG00000065600.13	171.9853	0.084953	0.28061	0.302744	0.762085	0.973629
5287	ENSG00000140450.9	277.1226	-0.07175	0.237008	-0.30271	0.76211	0.973629
350	ENSG00000033627.17	7327.435	-0.04485	0.148268	-0.30248	0.762283	0.973629
4038	ENSG00000128394.17	180.4164	-0.08723	0.288415	-0.30244	0.762316	0.973629
7569	ENSG00000166886.13	397.2324	0.063428	0.209733	0.302422	0.762331	0.973629
7192	ENSG00000164118.13	633.5449	-0.06174	0.20424	-0.30228	0.762439	0.973629
6636	ENSG00000158863.22	1626.443	0.053728	0.177758	0.302252	0.76246	0.973629
5263	ENSG00000140280.14	646.2891	-0.06014	0.199002	-0.30221	0.762495	0.973629
6237	ENSG00000152782.16	438.462	0.070619	0.233739	0.302128	0.762555	0.973629
8004	ENSG00000170234.13	557.6403	-0.06032	0.199728	-0.30202	0.762637	0.973629
10798	ENSG00000244038.11	8746.776	-0.04492	0.148802	-0.30185	0.762763	0.973629
1653	ENSG00000100522.10	1056.556	0.057881	0.191756	0.301845	0.76277	0.973629
6357	ENSG00000154813.10	606.5242	-0.06176	0.204619	-0.30184	0.762777	0.973629
3770	ENSG00000124780.14	5959.301	-0.04786	0.158741	-0.30153	0.763013	0.973636
982	ENSG00000077152.11	916.6657	0.052638	0.174708	0.301292	0.763192	0.973636
808	ENSG00000070761.8	743.0225	-0.05762	0.191244	-0.30128	0.7632	0.973636
228	ENSG00000013275.8	2092.429	-0.0523	0.173713	-0.30107	0.763364	0.973636
1262	ENSG00000088280.19	310.2364	-0.07203	0.239334	-0.30096	0.763441	0.973636
6273	ENSG00000153391.16	219.2366	0.078432	0.260604	0.300961	0.763444	0.973636
7046	ENSG00000163472.19	413.1367	-0.08008	0.266283	-0.30075	0.763605	0.973636
9455	ENSG00000186625.14	210.4725	-0.08123	0.270125	-0.30073	0.763624	0.973636
9665	ENSG00000196220.16	164.2135	0.095946	0.319051	0.300723	0.763626	0.973636
7370	ENSG00000165487.14	819.4667	0.053768	0.178825	0.300672	0.763665	0.973636
7452	ENSG00000166111.10	6111.525	0.044463	0.147915	0.300595	0.763723	0.973636
7247	ENSG00000164484.12	6046.52	-0.04313	0.1437	-0.30012	0.764086	0.973989
5379	ENSG00000141452.10	777.0527	0.053718	0.179172	0.299812	0.76432	0.974147
2909	ENSG00000113638.14	287.0489	-0.07554	0.252223	-0.29951	0.764548	0.974147
7289	ENSG00000164885.13	1018.817	-0.05106	0.170461	-0.29951	0.764549	0.974147
2553	ENSG00000109270.13	692.1708	-0.05758	0.192467	-0.29919	0.764797	0.974147
8447	ENSG00000174607.11	1309.982	-0.06207	0.207541	-0.29907	0.764889	0.974147
9941	ENSG00000198130.16	489.15	-0.0616	0.206005	-0.299	0.764939	0.974147
9355	ENSG00000185485.14	159.5381	-0.0865	0.289501	-0.29879	0.765103	0.974147
953	ENSG00000076053.11	474.3353	0.076352	0.255605	0.298709	0.765162	0.974147
361	ENSG00000035499.13	218.3122	0.076116	0.254873	0.298642	0.765213	0.974147
10970	ENSG00000258289.8	684.3823	-0.06639	0.222401	-0.29853	0.7653	0.974147

9431	ENSG00000186222.5	216.4572	0.07774	0.260521	0.298401	0.765397	0.974147
11076	ENSG00000265241.7	3636.673	0.044944	0.150702	0.29823	0.765528	0.974147
10249	ENSG00000205208.5	428.7201	0.073848	0.247666	0.298177	0.765568	0.974147
6488	ENSG00000156858.12	1569.318	0.051891	0.17403	0.298171	0.765573	0.974147
7871	ENSG00000169071.15	2540.927	-0.04807	0.161225	-0.29817	0.765575	0.974147
11264	ENSG00000277283.1	254.3921	-0.0718	0.240804	-0.29816	0.765579	0.974147
8172	ENSG00000171617.14	242.9195	-0.07299	0.244986	-0.29793	0.765756	0.974264
7837	ENSG00000168807.16	500.319	0.058842	0.197659	0.297695	0.765936	0.974298
9014	ENSG00000182013.18	1509.351	-0.0503	0.169022	-0.29758	0.766024	0.974298
11207	ENSG00000273749.5	1151.506	-0.05996	0.201629	-0.29739	0.766172	0.974298
1269	ENSG00000088451.11	205.1701	0.078236	0.263175	0.297277	0.766255	0.974298
10953	ENSG00000257103.8	2039.434	-0.05298	0.178256	-0.29723	0.766289	0.974298
10979	ENSG00000258754.8	187.1832	-0.08051	0.270922	-0.29717	0.766339	0.974298
7455	ENSG00000166128.13	166.7777	0.105252	0.354253	0.297111	0.766382	0.974298
7963	ENSG00000169895.6	2433.757	0.045175	0.152171	0.29687	0.766566	0.974388
3494	ENSG00000120696.9	471.8859	-0.06726	0.226639	-0.29679	0.766628	0.974388
9954	ENSG00000198189.11	1338.354	0.057495	0.19382	0.29664	0.766742	0.974388
10981	ENSG00000258839.4	724.6153	-0.0731	0.246607	-0.29643	0.766905	0.974388
4885	ENSG00000136770.11	1089.863	0.049649	0.167514	0.296389	0.766933	0.974388
4442	ENSG00000132740.10	983.6721	-0.05955	0.20107	-0.29618	0.767093	0.974388
3647	ENSG00000123131.13	3769.547	-0.04963	0.167606	-0.29613	0.767132	0.974388
1210	ENSG00000086300.16	182.8892	0.088929	0.300312	0.296122	0.767137	0.974388
2867	ENSG00000113141.18	2225.565	-0.04603	0.155557	-0.29593	0.767281	0.974462
3993	ENSG00000127663.15	2289.126	-0.0458	0.154972	-0.29557	0.767558	0.974584
10831	ENSG00000247315.4	2498.615	0.046436	0.157186	0.295418	0.767674	0.974584
10488	ENSG00000221887.6	475.6035	0.069614	0.235663	0.295396	0.767691	0.974584
4090	ENSG00000129083.13	2510.645	0.045988	0.155702	0.29536	0.767719	0.974584
87	ENSG00000006071.15	12115.96	-0.04916	0.16661	-0.29504	0.767962	0.974784
3445	ENSG00000119900.9	349.2679	0.067842	0.230146	0.294777	0.768165	0.974784
2039	ENSG00000104154.7	283.7036	-0.07107	0.241175	-0.29467	0.768242	0.974784
10011	ENSG00000198626.17	303.435	0.077815	0.26408	0.294663	0.768251	0.974784
9091	ENSG00000182841.12	590.9927	0.058046	0.197037	0.294593	0.768305	0.974784
4382	ENSG00000132323.9	907.0208	0.051582	0.175194	0.294428	0.768431	0.974836
8335	ENSG00000173418.12	1514.123	0.047686	0.162103	0.29417	0.768628	0.97491
4524	ENSG00000133627.18	526.9946	-0.05776	0.196406	-0.29408	0.768696	0.97491
6010	ENSG00000149136.9	5621.601	0.044474	0.151297	0.293949	0.768797	0.97491
3608	ENSG00000122550.18	319.8087	0.066771	0.227287	0.293776	0.768929	0.97491
64	ENSG00000005238.20	262.5073	0.074553	0.253952	0.29357	0.769086	0.97491
6662	ENSG00000159210.10	1935.251	0.05343	0.182001	0.293569	0.769088	0.97491
5680	ENSG00000144566.11	994.2302	-0.05477	0.186644	-0.29345	0.769176	0.97491
5986	ENSG00000148690.12	327.4072	0.068403	0.233104	0.293443	0.769183	0.97491
5845	ENSG00000146731.11	4144.212	0.04378	0.149278	0.293275	0.769312	0.97491
1661	ENSG00000100568.11	1263.73	0.048293	0.164741	0.293147	0.76941	0.97491
7145	ENSG00000163947.12	183.7412	0.081323	0.277442	0.293119	0.769431	0.97491
7779	ENSG00000168297.16	419.9865	-0.06619	0.22596	-0.29292	0.769582	0.974929
3877	ENSG00000125944.21	2898.789	0.049063	0.167533	0.292856	0.769633	0.974929
10827	ENSG00000247077.7	1991.633	-0.04734	0.161753	-0.29269	0.76976	0.974929
454	ENSG00000049245.13	2079.454	-0.0472	0.161371	-0.29251	0.7699	0.974929
7111	ENSG00000163808.17	505.3586	0.063768	0.218334	0.292066	0.770236	0.974929
5037	ENSG00000137942.16	2297.527	0.057934	0.198508	0.291848	0.770403	0.974929
9571	ENSG00000188428.20	252.1911	0.07741	0.265416	0.291657	0.770549	0.974929
7700	ENSG00000167774.2	189.5898	0.103685	0.355623	0.29156	0.770623	0.974929

9603	ENSG00000188811.14	591.9266	-0.05964	0.20457	-0.29156	0.770624	0.974929
9157	ENSG00000183527.12	567.0203	0.057543	0.197496	0.291362	0.770774	0.974929
229	ENSG00000013288.9	1786.444	0.051478	0.176684	0.291356	0.770779	0.974929
11012	ENSG00000260280.5	208.891	-0.08113	0.278484	-0.29134	0.77079	0.974929
8874	ENSG00000179859.9	157.436	-0.08449	0.290086	-0.29126	0.77085	0.974929
7200	ENSG00000164168.8	631.8084	-0.0593	0.203591	-0.29125	0.770858	0.974929
1816	ENSG00000101654.18	683.0394	-0.05728	0.196794	-0.29108	0.77099	0.974929
9985	ENSG00000198455.4	223.6616	0.079154	0.27199	0.291019	0.771036	0.974929
7759	ENSG00000168209.5	1016.404	0.04956	0.17031	0.290999	0.771052	0.974929
6400	ENSG00000155393.13	528.0269	0.061081	0.209919	0.290972	0.771073	0.974929
2380	ENSG00000107362.14	319.8147	0.065735	0.226137	0.290686	0.771292	0.974929
10649	ENSG00000234771.3	443.4923	-0.06351	0.218599	-0.29051	0.771425	0.974929
3810	ENSG00000125482.13	458.1805	-0.05905	0.203331	-0.29042	0.771495	0.974929
10570	ENSG00000227827.3	613.9734	0.066429	0.228734	0.290419	0.771496	0.974929
9104	ENSG00000182952.5	838.7241	-0.05471	0.1887	-0.28992	0.771875	0.974929
1151	ENSG00000084092.7	710.4413	-0.05493	0.189497	-0.28988	0.771911	0.974929
1147	ENSG00000084070.12	1588.765	-0.05047	0.174205	-0.28971	0.772041	0.974929
3260	ENSG00000117425.14	182.6037	0.079097	0.273135	0.289588	0.772131	0.974929
5666	ENSG00000144401.14	425.093	0.059906	0.20687	0.289582	0.772136	0.974929
9656	ENSG00000196151.11	234.561	-0.07264	0.250914	-0.28952	0.772186	0.974929
851	ENSG00000072274.13	1887.056	0.062213	0.214921	0.289471	0.772221	0.974929
9188	ENSG00000183783.7	183.8556	0.08012	0.276977	0.289266	0.772378	0.974929
8106	ENSG00000171109.19	497.9203	-0.0597	0.206381	-0.28925	0.772389	0.974929
2505	ENSG00000108773.11	2465.333	-0.0465	0.160812	-0.28918	0.772441	0.974929
1922	ENSG00000102931.8	1279.127	0.050118	0.17337	0.289081	0.772519	0.974929
544	ENSG00000058091.17	2761.351	0.049509	0.171317	0.288991	0.772588	0.974929
3902	ENSG00000126216.15	1110.931	-0.05116	0.177066	-0.28892	0.772645	0.974929
3692	ENSG00000123739.11	1356.971	0.047616	0.164983	0.288611	0.772879	0.974929
2869	ENSG00000113163.17	1067.049	-0.0491	0.170194	-0.28852	0.772951	0.974929
9400	ENSG00000185896.11	12659.59	-0.04172	0.144596	-0.28851	0.772959	0.974929
11318	ENSG00000281332.1	225.3388	0.082754	0.28696	0.288382	0.773054	0.974929
2935	ENSG00000114023.15	365.1047	0.063516	0.220304	0.288313	0.773107	0.974929
9887	ENSG00000197774.13	1867.89	0.048782	0.169354	0.288049	0.773309	0.974929
5385	ENSG00000141504.12	1134.308	0.048425	0.168152	0.287982	0.773361	0.974929
5218	ENSG00000139636.15	757.4211	0.061439	0.213404	0.2879	0.773423	0.974929
2996	ENSG00000114790.13	983.162	-0.05387	0.18716	-0.28784	0.773468	0.974929
6146	ENSG00000151491.14	452.1408	-0.06583	0.228766	-0.28776	0.773529	0.974929
3269	ENSG00000117500.13	1537.612	-0.0509	0.17703	-0.28752	0.773715	0.974929
10974	ENSG00000258429.2	447.7611	-0.05945	0.20679	-0.28751	0.77372	0.974929
3355	ENSG00000118922.17	463.3272	-0.06938	0.24136	-0.28745	0.773766	0.974929
6376	ENSG00000155096.14	2432.165	0.047049	0.163728	0.28736	0.773837	0.974929
3336	ENSG00000118518.16	555.3099	0.056481	0.19662	0.287262	0.773912	0.974929
6627	ENSG00000158793.14	1229.052	-0.04742	0.165083	-0.28723	0.773938	0.974929
11283	ENSG00000278318.5	219.7696	-0.07407	0.257927	-0.28716	0.773993	0.974929
6898	ENSG00000162298.19	4229.113	0.046195	0.16094	0.287032	0.774088	0.974929
8350	ENSG00000173542.9	3353.807	0.053515	0.186594	0.286798	0.774267	0.974929
684	ENSG00000066322.15	2871.886	-0.04308	0.150267	-0.2867	0.774338	0.974929
7468	ENSG00000166171.13	296.0915	0.070545	0.246093	0.28666	0.774372	0.974929
4631	ENSG00000134709.12	1723.915	0.054918	0.191617	0.286605	0.774415	0.974929
9076	ENSG00000182685.7	598.8948	-0.06174	0.215524	-0.28647	0.774518	0.974929
3960	ENSG00000126970.16	298.7889	-0.06547	0.228637	-0.28636	0.774601	0.974929
5077	ENSG00000138207.14	241.5051	0.085957	0.300248	0.286285	0.77466	0.974929

1339	ENSG00000090372.15	7526.369	0.048066	0.167904	0.286272	0.774669	0.974929
9803	ENSG00000197063.11	3593.183	0.05162	0.180599	0.285824	0.775013	0.975164
6392	ENSG00000155313.15	368.3283	-0.06462	0.226092	-0.28581	0.775027	0.975164
537	ENSG00000057608.17	1864.865	0.048636	0.170269	0.285641	0.775153	0.975169
8137	ENSG00000171314.9	3778.068	-0.04861	0.170212	-0.28558	0.775202	0.975169
4387	ENSG00000132356.11	868.4394	-0.06435	0.225636	-0.28518	0.775505	0.975442
2831	ENSG00000112658.8	1740.521	-0.04892	0.171611	-0.28506	0.775602	0.975456
7536	ENSG00000166579.16	613.591	-0.05564	0.195281	-0.28492	0.775707	0.975463
4212	ENSG00000130638.17	2549.192	0.043432	0.152487	0.284824	0.775779	0.975463
7102	ENSG00000163743.13	368.0471	-0.06584	0.231253	-0.2847	0.775875	0.975476
200	ENSG00000011295.16	1096.503	-0.04915	0.172906	-0.28425	0.776218	0.9758
4896	ENSG00000136827.12	923.857	-0.05329	0.1877	-0.28394	0.77646	0.975996
4571	ENSG00000134138.20	7960.469	0.042433	0.149651	0.283544	0.77676	0.976025
4847	ENSG00000136436.15	2201.17	-0.04407	0.15545	-0.28349	0.776804	0.976025
6574	ENSG00000158042.9	954.4755	0.052566	0.185468	0.283423	0.776853	0.976025
3069	ENSG00000115486.12	1153.337	-0.05138	0.181296	-0.28338	0.776887	0.976025
2036	ENSG00000104133.15	1023.987	0.056262	0.198569	0.283339	0.776917	0.976025
8602	ENSG00000176386.9	346.2762	0.062666	0.221252	0.283235	0.776997	0.976025
4928	ENSG00000136982.6	308.9103	-0.06476	0.228909	-0.28289	0.777264	0.976134
3435	ENSG00000119787.14	564.9544	-0.05639	0.199346	-0.28288	0.777266	0.976134
1102	ENSG00000082212.13	914.9022	0.055433	0.196103	0.282674	0.777427	0.976134
10853	ENSG00000248919.7	431.0732	-0.05955	0.210672	-0.28267	0.777427	0.976134
965	ENSG00000076554.15	8248.581	0.041297	0.146331	0.28222	0.777775	0.976139
1613	ENSG00000100350.14	5445.672	-0.04545	0.161079	-0.28216	0.777823	0.976139
5740	ENSG00000145293.16	1549.285	0.047993	0.170125	0.282103	0.777865	0.976139
2210	ENSG00000105607.13	582.0607	0.054145	0.191939	0.282095	0.777871	0.976139
4806	ENSG00000136059.14	312.4219	-0.06333	0.224562	-0.28202	0.777927	0.976139
9195	ENSG00000183844.17	294.88	0.064487	0.228682	0.281996	0.777946	0.976139
9718	ENSG00000196507.11	1021.549	-0.04874	0.172922	-0.28184	0.778063	0.976139
1455	ENSG00000095951.17	359.065	-0.06821	0.242168	-0.28168	0.778186	0.976139
9847	ENSG00000197381.16	161.6452	-0.08025	0.285084	-0.28148	0.778343	0.976139
3778	ENSG00000124831.19	1328.033	0.045988	0.163386	0.28147	0.77835	0.976139
7825	ENSG00000168765.17	526.0369	0.055239	0.196455	0.281178	0.778574	0.976139
3576	ENSG00000121988.18	268.1	-0.07094	0.252374	-0.28111	0.778627	0.976139
8719	ENSG00000177707.11	767.7002	0.057114	0.203285	0.280957	0.778743	0.976139
8486	ENSG00000175040.6	2681.767	-0.04832	0.171998	-0.28093	0.778763	0.976139
8192	ENSG00000171848.15	5220	-0.04274	0.152156	-0.28089	0.778795	0.976139
8402	ENSG00000174106.3	704.3581	0.062083	0.221031	0.28088	0.778802	0.976139
11028	ENSG00000260916.7	617.2515	-0.056	0.199567	-0.28061	0.77901	0.976201
3863	ENSG00000125848.10	182.5105	-0.09169	0.326875	-0.28051	0.779084	0.976201
527	ENSG00000055950.16	1206.495	0.048088	0.171447	0.280481	0.779109	0.976201
885	ENSG00000073614.13	943.1152	0.057065	0.203992	0.279744	0.779674	0.976206
1007	ENSG00000078114.19	362.9003	-0.08084	0.289162	-0.27956	0.779813	0.976206
4668	ENSG00000135018.14	2990.977	-0.0453	0.162111	-0.27945	0.779903	0.976206
4332	ENSG00000131697.18	582.6897	-0.05605	0.200644	-0.27937	0.779962	0.976206
7002	ENSG00000163104.18	1065.333	-0.0492	0.176121	-0.27935	0.779977	0.976206
4592	ENSG00000134287.10	7190.903	-0.04094	0.146659	-0.27917	0.780113	0.976206
10459	ENSG00000215790.7	1478.427	-0.04838	0.173309	-0.27915	0.780127	0.976206
8038	ENSG00000170502.13	828.6904	0.050351	0.180451	0.279028	0.780223	0.976206
5712	ENSG00000144840.10	279.6195	-0.06654	0.238541	-0.27895	0.780285	0.976206
6093	ENSG00000150687.12	164.5359	0.082941	0.297368	0.278918	0.780307	0.976206
4573	ENSG00000134153.10	1333.05	0.045949	0.164786	0.278837	0.78037	0.976206

616	ENSG00000064225.12	911.5356	-0.05217	0.187266	-0.27857	0.780575	0.976206
6170	ENSG00000151748.15	298.9027	0.068865	0.247301	0.278464	0.780656	0.976206
5909	ENSG00000147642.17	228.7764	0.071735	0.257642	0.278429	0.780683	0.976206
6788	ENSG00000160746.13	428.2429	0.058682	0.210813	0.278358	0.780738	0.976206
6737	ENSG00000160214.13	943.3935	0.053992	0.194143	0.278104	0.780932	0.976206
7101	ENSG00000163738.18	339.9753	0.069581	0.250255	0.278039	0.780983	0.976206
6419	ENSG00000155850.8	234.6409	0.077564	0.279391	0.27762	0.781304	0.976206
6395	ENSG00000155330.10	293.5224	-0.07102	0.25583	-0.27761	0.781311	0.976206
2892	ENSG00000113456.19	876.0722	0.052591	0.189528	0.277484	0.781409	0.976206
8418	ENSG00000174292.12	183.2518	-0.07719	0.278191	-0.27747	0.781419	0.976206
6235	ENSG00000152778.9	198.7178	-0.07511	0.27074	-0.27744	0.781443	0.976206
9751	ENSG00000196704.13	958.7547	0.048291	0.174281	0.277089	0.781712	0.976206
10457	ENSG00000215717.7	494.2815	0.061837	0.22327	0.276961	0.78181	0.976206
445	ENSG00000048544.6	586.8433	-0.05529	0.199674	-0.27691	0.78185	0.976206
2901	ENSG00000113580.15	1575.242	-0.0522	0.188642	-0.27669	0.78202	0.976206
3449	ENSG00000119929.13	169.5448	0.077224	0.279179	0.276611	0.782079	0.976206
11024	ENSG00000260838.3	562.1394	0.053045	0.191836	0.276511	0.782156	0.976206
8705	ENSG00000177602.5	245.5661	-0.06846	0.247715	-0.27637	0.782266	0.976206
8165	ENSG00000171552.13	6648.524	-0.04046	0.146432	-0.27632	0.782304	0.976206
3852	ENSG00000125820.6	5789.924	-0.04193	0.151733	-0.27631	0.78231	0.976206
10980	ENSG00000258818.4	982.7023	0.058083	0.210255	0.27625	0.782356	0.976206
3526	ENSG00000121022.14	1178.021	0.046103	0.166909	0.276219	0.78238	0.976206
9677	ENSG00000196305.18	4536.782	-0.04628	0.167542	-0.2762	0.782394	0.976206
6233	ENSG00000152749.8	829.4834	0.059754	0.216356	0.276184	0.782406	0.976206
5976	ENSG00000148484.18	176.4892	0.079684	0.288527	0.276174	0.782414	0.976206
5010	ENSG00000137720.8	233.3454	-0.07153	0.25915	-0.276	0.782548	0.976206
2969	ENSG00000114450.11	267.9751	-0.07631	0.276575	-0.27592	0.78261	0.976206
8595	ENSG00000176261.15	415.1535	0.058451	0.212007	0.275702	0.782777	0.976206
142	ENSG00000008128.23	1574.21	-0.05288	0.191955	-0.27546	0.782962	0.976206
6050	ENSG00000149554.13	613.9893	0.067234	0.244113	0.275422	0.782992	0.976206
3039	ENSG00000115271.11	369.0743	0.064327	0.233579	0.275396	0.783012	0.976206
7748	ENSG00000168090.10	4314.337	-0.04158	0.151029	-0.27532	0.783068	0.976206
3129	ENSG00000116062.17	3231.646	0.043233	0.157088	0.275212	0.783153	0.976206
7776	ENSG00000168286.3	1339.152	-0.04677	0.169954	-0.2752	0.783162	0.976206
7951	ENSG00000169756.16	696.9576	0.053963	0.196101	0.275181	0.783177	0.976206
7040	ENSG00000163444.12	2320.454	-0.04578	0.166371	-0.27518	0.783181	0.976206
3245	ENSG00000117298.16	8156.075	-0.03971	0.144332	-0.27511	0.783228	0.976206
6451	ENSG00000156299.13	619.3244	-0.05791	0.210927	-0.27454	0.783669	0.976649
10436	ENSG00000215039.7	270.9487	-0.06589	0.240145	-0.27438	0.783794	0.976698
272	ENSG00000019144.19	783.6654	-0.0527	0.192368	-0.27395	0.784123	0.976833
8086	ENSG00000170903.11	558.6312	0.055505	0.20263	0.273922	0.784145	0.976833
10553	ENSG00000226210.3	461.2259	0.062304	0.227678	0.273648	0.784355	0.976833
1178	ENSG00000085415.16	618.4831	0.056335	0.205907	0.273596	0.784395	0.976833
4470	ENSG00000132964.12	632.4818	0.051838	0.189512	0.273533	0.784443	0.976833
2997	ENSG00000114796.16	309.4422	0.07526	0.275238	0.273436	0.784518	0.976833
8417	ENSG00000174282.12	2149.209	-0.04616	0.168881	-0.27334	0.784594	0.976833
4961	ENSG00000137218.10	200.5247	0.079014	0.289126	0.273286	0.784633	0.976833
10245	ENSG00000205133.12	815.7829	0.065426	0.23945	0.273233	0.784674	0.976833
7133	ENSG00000163909.8	192.6048	0.075499	0.276528	0.273024	0.784834	0.976925
8249	ENSG00000172460.17	213.8173	-0.08061	0.295414	-0.27286	0.784959	0.976944
5955	ENSG00000148300.12	1150.932	-0.0466	0.170867	-0.27275	0.785048	0.976944
9372	ENSG00000185627.18	1402.963	0.045519	0.167	0.27257	0.785183	0.976944

2372	ENSG00000107263.18	4236.431	-0.04045	0.148495	-0.27243	0.785289	0.976944
11048	ENSG00000261799.1	195.2635	-0.07322	0.268871	-0.27234	0.785362	0.976944
10874	ENSG00000250519.7	166.2177	0.083059	0.304987	0.272335	0.785364	0.976944
10467	ENSG00000216775.3	459.4241	-0.05552	0.204071	-0.27206	0.785574	0.976957
572	ENSG00000060688.13	728.0006	0.053798	0.19783	0.271942	0.785667	0.976957
8660	ENSG00000177084.18	4716.751	-0.04525	0.16642	-0.27192	0.785687	0.976957
4875	ENSG00000136710.10	481.0126	-0.05857	0.215462	-0.27186	0.785733	0.976957
6642	ENSG00000158987.22	336.1455	-0.06593	0.242775	-0.27157	0.785953	0.976957
4355	ENSG00000131941.8	169.9788	-0.08193	0.301754	-0.27151	0.785999	0.976957
11291	ENSG00000278845.5	1025.069	0.050918	0.187638	0.271362	0.786113	0.976957
6499	ENSG00000156976.17	8027.238	0.044927	0.165596	0.271306	0.786156	0.976957
700	ENSG00000066923.17	174.0475	-0.07581	0.279505	-0.27124	0.786208	0.976957
8089	ENSG00000170919.16	333.8044	-0.08857	0.32672	-0.27109	0.786319	0.976957
5569	ENSG00000143476.18	479.782	-0.05982	0.22079	-0.27093	0.786444	0.976957
3691	ENSG00000123737.13	584.6132	-0.05198	0.191899	-0.27089	0.786472	0.976957
6905	ENSG00000162377.6	715.3874	-0.04981	0.183886	-0.27087	0.78649	0.976957
8202	ENSG00000171943.12	676.5439	-0.04965	0.183738	-0.27023	0.786982	0.977183
3681	ENSG00000123575.9	776.7016	0.06082	0.225081	0.270216	0.786994	0.977183
6131	ENSG00000151322.19	501.442	0.055804	0.206519	0.270212	0.786997	0.977183
6103	ENSG00000150907.10	1775.831	-0.05021	0.185831	-0.27019	0.787015	0.977183
9369	ENSG00000185608.8	488.1505	0.063559	0.235409	0.269996	0.787163	0.97721
4949	ENSG00000137161.17	1867.074	0.042866	0.158823	0.269899	0.787238	0.97721
9946	ENSG00000198160.14	479.481	0.068919	0.25542	0.269826	0.787294	0.97721
11226	ENSG00000274828.1	205.4065	-0.07042	0.261135	-0.26967	0.787413	0.977251
1995	ENSG00000103489.12	217.6597	-0.0733	0.272464	-0.26903	0.787904	0.97762
7218	ENSG00000164253.14	519.9147	-0.0598	0.222454	-0.2688	0.788081	0.97762
9702	ENSG00000196437.12	164.739	0.075874	0.282671	0.268417	0.788378	0.97762
9138	ENSG00000183323.13	213.5592	0.071223	0.265345	0.268417	0.788379	0.97762
1087	ENSG00000081320.11	261.8356	-0.07354	0.274036	-0.26837	0.788414	0.97762
8569	ENSG00000175928.6	163.7924	-0.08356	0.311503	-0.26826	0.7885	0.97762
7371	ENSG00000165494.11	982.5651	-0.04868	0.181621	-0.26804	0.788666	0.97762
1227	ENSG00000087087.20	5572.013	-0.04263	0.159053	-0.268	0.788698	0.97762
9744	ENSG00000196663.16	868.8513	-0.05658	0.211143	-0.26799	0.78871	0.97762
6374	ENSG00000155090.15	260.6029	0.069037	0.257712	0.267883	0.78879	0.97762
2451	ENSG00000108239.9	237.8715	-0.06751	0.252083	-0.26783	0.788834	0.97762
10064	ENSG00000198826.11	967.8812	0.058104	0.217001	0.267758	0.788886	0.97762
10743	ENSG00000241472.7	197.7818	-0.07471	0.279056	-0.26773	0.788911	0.97762
5479	ENSG00000142676.14	9307.304	0.038902	0.145393	0.267563	0.789036	0.97762
609	ENSG00000063761.16	476.4266	0.0613	0.229133	0.26753	0.789061	0.97762
10706	ENSG00000239482.6	191.7447	0.077793	0.290814	0.2675	0.789084	0.97762
5651	ENSG00000144224.17	4761.392	-0.04066	0.15241	-0.26681	0.789614	0.978169
2896	ENSG00000113532.13	253.0036	0.068672	0.257494	0.266692	0.789706	0.978178
2913	ENSG00000113649.11	1450.212	0.045985	0.172677	0.266307	0.790003	0.978438
6390	ENSG00000155287.11	406.7247	-0.05754	0.216332	-0.266	0.790238	0.978584
2484	ENSG00000108557.19	2602.328	0.041025	0.154296	0.265882	0.79033	0.978584
1540	ENSG00000100034.14	813.3272	-0.05328	0.200659	-0.26551	0.790617	0.978584
10692	ENSG00000237651.6	281.4737	0.062874	0.236815	0.2655	0.790624	0.978584
9812	ENSG00000197121.15	421.5274	-0.07227	0.27234	-0.26537	0.790723	0.978584
1546	ENSG00000100068.13	393.0543	-0.0565	0.213053	-0.26521	0.790845	0.978584
9559	ENSG00000188243.12	534.1554	0.054354	0.205033	0.265096	0.790935	0.978584
2428	ENSG00000107949.17	413.0038	0.056892	0.214665	0.265025	0.79099	0.978584
4843	ENSG00000136379.12	402.3752	-0.05678	0.214335	-0.26491	0.791082	0.978584

2345	ENSG00000106780.9	1049.088	-0.04497	0.16975	-0.2649	0.791084	0.978584
768	ENSG00000069329.18	2732.19	-0.053	0.200149	-0.26483	0.791143	0.978584
1463	ENSG00000096384.20	30961.88	0.03777	0.142656	0.264765	0.791191	0.978584
4073	ENSG00000128881.17	548.2841	-0.05145	0.194385	-0.2647	0.791238	0.978584
7685	ENSG00000167693.17	2072.494	0.042076	0.159042	0.264557	0.791351	0.978617
3307	ENSG00000117906.14	1192.355	0.051752	0.195814	0.26429	0.791556	0.978645
4029	ENSG00000128245.15	2350.551	0.041218	0.156045	0.26414	0.791672	0.978645
8591	ENSG00000176208.9	309.8861	-0.05965	0.22586	-0.26408	0.791717	0.978645
7320	ENSG00000165060.15	220.7951	0.0665	0.251908	0.263985	0.791792	0.978645
8528	ENSG00000175387.16	1708.431	-0.0463	0.175402	-0.26396	0.791809	0.978645
11294	ENSG00000279094.3	324.1376	-0.06236	0.236709	-0.26346	0.792199	0.978645
221	ENSG00000012660.14	5652.495	-0.04189	0.159069	-0.26334	0.79229	0.978645
9923	ENSG00000198001.14	229.1098	-0.07008	0.266202	-0.26325	0.792355	0.978645
10978	ENSG00000258655.2	218.4544	0.066822	0.253836	0.26325	0.792358	0.978645
10991	ENSG00000259495.3	307.0533	-0.06314	0.239838	-0.26325	0.792361	0.978645
329	ENSG00000029534.21	1842.612	-0.04248	0.161438	-0.26316	0.79243	0.978645
7216	ENSG00000164251.5	784.1234	-0.04828	0.183648	-0.26289	0.792636	0.978645
7335	ENSG00000165195.16	604.727	-0.05189	0.197462	-0.26278	0.792723	0.978645
8796	ENSG00000178761.15	1502.425	-0.04399	0.167429	-0.26274	0.792753	0.978645
1148	ENSG00000084072.17	962.1774	-0.0466	0.177356	-0.26273	0.79276	0.978645
8505	ENSG00000175193.14	725.3757	0.048102	0.183269	0.262465	0.792963	0.978645
2518	ENSG00000108848.16	4542.892	0.041384	0.157727	0.262379	0.793029	0.978645
2488	ENSG00000108582.12	3662.757	-0.04261	0.162502	-0.26221	0.793157	0.978645
6130	ENSG00000151292.17	535.3144	-0.05714	0.217932	-0.2622	0.793168	0.978645
3459	ENSG00000120055.7	186.1294	0.0766	0.292279	0.262078	0.793262	0.978645
6258	ENSG00000153107.13	1074.531	-0.04735	0.180829	-0.26186	0.793427	0.978645
1256	ENSG00000088035.18	259.2475	-0.06451	0.246391	-0.26183	0.793455	0.978645
9120	ENSG00000183098.11	817.002	0.056125	0.214362	0.261822	0.793459	0.978645
5160	ENSG00000138835.22	697.7508	0.048137	0.184011	0.261596	0.793633	0.978645
6243	ENSG00000152932.8	433.4569	0.056568	0.216403	0.261399	0.793785	0.978645
5975	ENSG00000148481.14	199.1273	-0.06985	0.267352	-0.26127	0.793887	0.978645
4617	ENSG00000134508.12	885.2461	-0.04592	0.175846	-0.26115	0.793981	0.978645
5192	ENSG00000139354.11	1617.937	-0.05679	0.217534	-0.26108	0.794028	0.978645
4972	ENSG00000137310.12	2767.473	-0.042	0.160968	-0.26092	0.794156	0.978645
8443	ENSG00000174574.16	1698.623	0.047201	0.18095	0.260852	0.794207	0.978645
896	ENSG00000074201.9	1146.258	-0.04573	0.175497	-0.26057	0.794428	0.978645
10051	ENSG00000198791.12	2242.678	0.053752	0.206373	0.260459	0.79451	0.978645
2808	ENSG00000112339.15	857.0591	0.046578	0.178906	0.260351	0.794593	0.978645
8871	ENSG00000179820.16	2677.874	-0.04926	0.189232	-0.26034	0.794601	0.978645
3352	ENSG00000118894.15	440.3301	0.053772	0.206551	0.260333	0.794607	0.978645
6144	ENSG00000151466.12	389.097	0.054907	0.210916	0.260328	0.794611	0.978645
8634	ENSG00000176834.14	284.6954	-0.06447	0.247682	-0.26031	0.794623	0.978645
1234	ENSG00000087191.13	2182.746	-0.0402	0.154445	-0.26029	0.79464	0.978645
3053	ENSG00000115339.14	800.892	-0.04903	0.18853	-0.26008	0.794799	0.978645
9366	ENSG00000185565.12	659.6031	0.050641	0.194722	0.260069	0.79481	0.978645
10913	ENSG00000254635.6	326.6259	-0.05841	0.225077	-0.25949	0.795254	0.978964
7309	ENSG00000164970.15	1785.606	-0.04604	0.177437	-0.25945	0.795288	0.978964
9506	ENSG00000187522.16	275.0411	-0.06076	0.234242	-0.25938	0.795342	0.978964
1396	ENSG00000092108.21	700.8366	-0.04911	0.189503	-0.25915	0.795523	0.978964
2371	ENSG00000107262.25	1537.526	0.044807	0.172942	0.259088	0.795568	0.978964
3664	ENSG00000123353.10	1132.161	0.043274	0.16704	0.259064	0.795586	0.978964
9451	ENSG00000186566.13	1382.587	-0.04387	0.169443	-0.2589	0.795716	0.979019

8666	ENSG00000177125.5	361.8745	-0.06471	0.250161	-0.25866	0.795894	0.979132
6225	ENSG00000152578.13	1189.535	0.045171	0.174935	0.258215	0.796241	0.979407
8094	ENSG00000170959.14	502.9132	-0.0528	0.204602	-0.25805	0.796365	0.979407
9723	ENSG00000196535.16	6516.809	0.04452	0.17253	0.25804	0.796376	0.979407
2576	ENSG00000109670.16	440.9753	-0.05756	0.223282	-0.25781	0.796551	0.979517
6925	ENSG00000162521.19	5707.26	-0.04119	0.160055	-0.25732	0.796929	0.979876
6478	ENSG00000156687.11	310.4211	-0.06442	0.250525	-0.25713	0.797079	0.979955
1338	ENSG00000090316.16	1523.519	-0.04146	0.161411	-0.25686	0.79729	0.980034
4122	ENSG00000129514.8	249.959	-0.0712	0.277316	-0.25676	0.797361	0.980034
6640	ENSG00000158966.16	167.4232	-0.07641	0.297645	-0.25671	0.797402	0.980034
2360	ENSG00000107077.19	563.3809	-0.05535	0.216113	-0.25613	0.797851	0.980452
2409	ENSG00000107815.10	394.541	0.055815	0.218118	0.255893	0.798033	0.980452
1047	ENSG00000079616.13	2263.967	-0.04323	0.16907	-0.25566	0.79821	0.980452
1434	ENSG00000095002.15	1424.775	0.043939	0.171957	0.255525	0.798318	0.980452
9566	ENSG00000188342.12	278.9341	0.061989	0.242722	0.255392	0.79842	0.980452
2635	ENSG00000110435.12	621.7352	0.047932	0.187742	0.255307	0.798486	0.980452
7302	ENSG00000164934.14	597.8524	0.048806	0.191169	0.255305	0.798488	0.980452
10864	ENSG00000250021.7	434.2697	-0.07051	0.276263	-0.25522	0.798555	0.980452
1926	ENSG00000102978.13	1544.357	-0.04416	0.173061	-0.25519	0.798576	0.980452
4744	ENSG00000135624.16	5179.951	0.042957	0.168389	0.255105	0.798642	0.980452
327	ENSG00000029363.17	2578.468	0.042723	0.167514	0.255044	0.798689	0.980452
3749	ENSG00000124532.15	619.7039	0.051698	0.20288	0.254819	0.798863	0.980514
10482	ENSG00000221823.11	1562.59	-0.04173	0.163842	-0.25467	0.798977	0.980514
2809	ENSG00000112365.5	237.9004	0.070107	0.275312	0.254645	0.798998	0.980514
270	ENSG00000018510.16	1208.843	0.052088	0.204761	0.254386	0.799198	0.980568
6462	ENSG00000156469.9	239.1393	0.062393	0.245291	0.254364	0.799214	0.980568
4917	ENSG00000136930.13	1896.735	-0.04147	0.163209	-0.25408	0.799433	0.980675
7330	ENSG00000165156.15	1110.374	0.048605	0.191398	0.253946	0.799537	0.980675
5244	ENSG00000139977.14	649.3053	0.050981	0.200778	0.253917	0.79956	0.980675
7586	ENSG00000166965.12	811.434	0.04548	0.179374	0.25355	0.799843	0.980839
7680	ENSG00000167658.16	79502.28	-0.03503	0.138175	-0.25351	0.799874	0.980839
6055	ENSG00000149636.16	1313.783	0.043463	0.171646	0.253212	0.800105	0.980839
3008	ENSG00000114956.20	1016.853	0.043038	0.169979	0.253195	0.800117	0.980839
6892	ENSG00000162222.14	336.7918	-0.05649	0.223175	-0.25314	0.80016	0.980839
564	ENSG00000059769.20	262.9356	-0.06246	0.246818	-0.25307	0.80021	0.980839
11240	ENSG00000275895.7	1533.218	-0.04143	0.163823	-0.25291	0.800335	0.980886
11265	ENSG00000277363.5	1420.355	0.047136	0.186486	0.252758	0.800455	0.980928
10295	ENSG00000205981.8	373.1409	0.054903	0.217667	0.252234	0.80086	0.981088
7155	ENSG00000164010.15	333.3149	-0.05657	0.22429	-0.25222	0.800867	0.981088
11029	ENSG00000260920.2	161.7404	-0.07306	0.289723	-0.25217	0.800907	0.981088
4997	ENSG00000137547.9	539.2953	0.0491	0.194758	0.252106	0.800959	0.981088
724	ENSG00000067646.12	221.4347	0.065738	0.260906	0.25196	0.801072	0.981088
1581	ENSG00000100234.12	1058.671	-0.04613	0.183184	-0.25183	0.801172	0.981088
927	ENSG00000075292.19	1898.034	0.04015	0.159488	0.251743	0.801239	0.981088
6000	ENSG00000148926.10	185.449	0.067892	0.269825	0.251614	0.80134	0.981088
8623	ENSG00000176597.12	436.4474	0.06425	0.255382	0.251586	0.801361	0.981088
2857	ENSG00000112977.16	5432.224	0.037272	0.148428	0.251112	0.801728	0.981338
1725	ENSG00000100997.20	4085.804	0.036997	0.147406	0.250988	0.801824	0.981338
5878	ENSG00000147164.12	834.1743	0.049214	0.196082	0.250987	0.801824	0.981338
5832	ENSG00000146476.11	608.1815	-0.04771	0.190287	-0.25071	0.802035	0.981491
8981	ENSG00000181472.5	264.4096	-0.05942	0.237478	-0.25023	0.802411	0.981625
9537	ENSG00000187961.14	707.3159	0.054466	0.217701	0.250186	0.802443	0.981625

3112	ENSG00000115942.9	555.0489	0.05043	0.201596	0.250152	0.80247	0.981625
9124	ENSG00000183161.6	629.4057	-0.04814	0.19251	-0.25006	0.802538	0.981625
5374	ENSG00000141428.17	222.2483	0.063827	0.255422	0.249887	0.802675	0.981625
1021	ENSG00000078687.17	774.4369	-0.04695	0.188129	-0.24955	0.802934	0.981625
2378	ENSG00000107338.10	544.1281	0.048984	0.197002	0.248646	0.803635	0.981625
6602	ENSG00000158445.10	220.54	0.227564	0.915944	0.248448	0.803788	0.981625
10681	ENSG00000236901.6	428.7896	-0.05749	0.231431	-0.2484	0.803823	0.981625
908	ENSG00000074695.6	2405.734	-0.04785	0.192644	-0.24837	0.803848	0.981625
9032	ENSG00000182195.9	490.2065	0.073318	0.295356	0.248235	0.803953	0.981625
2886	ENSG00000113384.14	2011.92	-0.04211	0.169774	-0.24801	0.804127	0.981625
9978	ENSG00000198382.9	513.2442	-0.05071	0.204525	-0.24795	0.804176	0.981625
4628	ENSG00000134690.11	1688.177	0.040032	0.1615	0.247877	0.80423	0.981625
9761	ENSG00000196781.16	2472.055	-0.03777	0.152383	-0.24787	0.804237	0.981625
3092	ENSG00000115750.17	212.0406	-0.06601	0.26631	-0.24786	0.804245	0.981625
1175	ENSG00000085365.18	1008.16	0.062936	0.254012	0.247767	0.804315	0.981625
5607	ENSG00000143761.16	6980.279	-0.03736	0.150823	-0.24768	0.80438	0.981625
3836	ENSG00000125734.15	1259.536	0.045157	0.182355	0.247631	0.80442	0.981625
2790	ENSG00000112234.9	569.2339	0.054468	0.220077	0.247497	0.804523	0.981625
9850	ENSG00000197429.11	168.8816	-0.07013	0.283411	-0.24743	0.804573	0.981625
266	ENSG00000017260.20	2135.411	0.042197	0.170585	0.247368	0.804624	0.981625
10987	ENSG00000259295.6	205.9052	-0.06407	0.259085	-0.24728	0.804693	0.981625
4074	ENSG00000128891.15	489.156	-0.0492	0.198965	-0.24727	0.804695	0.981625
6963	ENSG00000162825.16	1152.35	-0.0535	0.216587	-0.247	0.804907	0.981625
7117	ENSG00000163832.16	972.6752	-0.04466	0.180895	-0.24689	0.804996	0.981625
117	ENSG00000006757.12	659.5721	0.048753	0.197489	0.246864	0.805013	0.981625
5331	ENSG00000140948.13	1878.22	0.044392	0.179826	0.246859	0.805018	0.981625
4085	ENSG00000129003.19	1434.462	0.046168	0.187039	0.246839	0.805033	0.981625
667	ENSG00000065809.13	832.2745	0.050612	0.205108	0.24676	0.805094	0.981625
2260	ENSG00000105948.13	245.9719	-0.06524	0.264625	-0.24653	0.805272	0.981625
42	ENSG00000004766.17	661.6747	-0.0552	0.224229	-0.24618	0.805545	0.981625
6161	ENSG00000151690.15	1182.249	-0.04195	0.170481	-0.24608	0.80562	0.981625
10010	ENSG00000198625.13	843.5286	-0.04679	0.190327	-0.24583	0.805812	0.981625
5921	ENSG00000147799.11	1114.084	0.049254	0.200735	0.24537	0.80617	0.981625
7483	ENSG00000166260.13	1673.964	0.043626	0.177968	0.245135	0.806352	0.981625
1104	ENSG00000082258.13	837.1018	-0.05237	0.213658	-0.24513	0.806357	0.981625
2004	ENSG00000103540.16	833.8436	-0.04544	0.185468	-0.24502	0.806444	0.981625
3019	ENSG00000115091.12	2758.391	0.047114	0.192378	0.244904	0.806531	0.981625
4263	ENSG00000130935.10	805.1967	0.04955	0.202527	0.244658	0.806721	0.981625
6517	ENSG00000157216.15	2687.391	-0.03954	0.161622	-0.24465	0.806727	0.981625
7523	ENSG00000166483.11	1872.54	-0.03836	0.1568	-0.24464	0.806739	0.981625
2416	ENSG00000107862.5	5409.766	-0.04198	0.171626	-0.24461	0.806757	0.981625
3179	ENSG00000116580.18	1528.053	-0.04584	0.187471	-0.24454	0.806813	0.981625
8404	ENSG00000174132.9	430.5911	0.05101	0.208602	0.244532	0.806819	0.981625
6442	ENSG00000156170.13	263.3064	-0.05875	0.240279	-0.24451	0.806833	0.981625
5702	ENSG00000144746.7	1380.92	0.046432	0.189926	0.244476	0.806862	0.981625
7087	ENSG00000163660.12	1268.568	0.042896	0.17562	0.244256	0.807032	0.981625
9396	ENSG00000185842.15	364.9824	-0.05389	0.220683	-0.24419	0.807082	0.981625
10777	ENSG00000243302.3	257.2729	-0.0625	0.256005	-0.24415	0.807117	0.981625
5152	ENSG00000138785.15	277.899	-0.05998	0.24582	-0.24399	0.807242	0.981625
919	ENSG00000075142.14	610.4149	0.048813	0.200197	0.243827	0.807365	0.981625
6481	ENSG00000156711.17	3456.353	-0.03881	0.159183	-0.2438	0.807387	0.981625
1311	ENSG00000089335.21	902.8059	-0.0428	0.175586	-0.24378	0.807399	0.981625

4803	ENSG00000136045.12	598.0935	-0.0468	0.192081	-0.24366	0.807494	0.981625
1023	ENSG00000078725.13	656.373	0.048716	0.199959	0.243631	0.807517	0.981625
5265	ENSG00000140299.13	371.2089	-0.0539	0.221409	-0.24345	0.807654	0.981625
2697	ENSG00000111328.7	1368.679	0.040125	0.164847	0.24341	0.807688	0.981625
7970	ENSG00000169925.17	3046.754	-0.03825	0.15714	-0.24341	0.807689	0.981625
8396	ENSG00000173960.14	421.4995	0.053197	0.21878	0.243153	0.807887	0.981625
8347	ENSG00000173517.10	688.2608	0.051292	0.211039	0.243047	0.807969	0.981625
9528	ENSG00000187778.14	2139.98	0.040633	0.167247	0.24295	0.808044	0.981625
4665	ENSG00000134987.11	477.1403	0.055934	0.230523	0.242642	0.808283	0.981625
5864	ENSG00000147050.16	1029.041	-0.04101	0.169023	-0.24261	0.80831	0.981625
10646	ENSG00000234616.9	1340.341	-0.04031	0.166215	-0.24254	0.808361	0.981625
5912	ENSG00000147654.15	274.0197	-0.06084	0.251053	-0.24232	0.808532	0.981625
6065	ENSG00000149782.12	287.9809	0.058555	0.241729	0.242235	0.808598	0.981625
2845	ENSG00000112773.16	1400.484	-0.03948	0.163302	-0.24174	0.808978	0.981625
4226	ENSG00000130714.17	2465.942	-0.03954	0.163678	-0.24159	0.809097	0.981625
6460	ENSG00000156453.13	981.1452	0.042956	0.177946	0.241401	0.809244	0.981625
2249	ENSG00000105849.6	256.7445	-0.06142	0.254539	-0.2413	0.809324	0.981625
9131	ENSG00000183258.12	2256.218	-0.04197	0.173994	-0.24124	0.809372	0.981625
9200	ENSG00000183891.6	327.9774	-0.05343	0.221505	-0.2412	0.809397	0.981625
8344	ENSG00000173482.17	240.6853	0.071304	0.295685	0.241148	0.809441	0.981625
10254	ENSG00000205269.6	624.0097	0.05413	0.224576	0.24103	0.809532	0.981625
2894	ENSG00000113504.21	1685.287	0.04219	0.175145	0.240886	0.809644	0.981625
8285	ENSG00000172845.16	1129.625	0.047901	0.199182	0.240487	0.809952	0.981625
1695	ENSG00000100811.14	2454.363	0.040132	0.166944	0.240392	0.810026	0.981625
2442	ENSG00000108094.16	850.5496	0.047332	0.197004	0.24026	0.810129	0.981625
3134	ENSG00000116120.11	1429.926	-0.03898	0.162423	-0.24002	0.810318	0.981625
1168	ENSG00000085063.17	2239.444	0.043527	0.181364	0.239996	0.810333	0.981625
9425	ENSG00000186184.19	2249.825	0.036696	0.152927	0.239959	0.810362	0.981625
5787	ENSG00000145907.15	1953.779	0.047393	0.197599	0.239842	0.810453	0.981625
4288	ENSG00000131149.19	11434.97	0.035999	0.150146	0.239761	0.810516	0.981625
10448	ENSG00000215271.9	405.8536	-0.05126	0.213832	-0.23974	0.810535	0.981625
1248	ENSG00000087448.11	1414.149	-0.0427	0.178174	-0.23965	0.810604	0.981625
5299	ENSG00000140534.14	573.9994	-0.06246	0.260651	-0.23962	0.810629	0.981625
9221	ENSG00000184194.6	217.2493	-0.07133	0.297729	-0.23957	0.810663	0.981625
261	ENSG00000015532.10	599.1036	-0.04683	0.195528	-0.23951	0.81071	0.981625
1357	ENSG00000090889.12	827.7975	0.04488	0.187411	0.239475	0.810737	0.981625
7022	ENSG00000163319.11	373.4853	0.056375	0.23556	0.239324	0.810855	0.981625
9317	ENSG00000185155.12	247.0801	-0.05856	0.24476	-0.23927	0.810896	0.981625
7923	ENSG00000169564.7	8546.723	-0.03527	0.147433	-0.23923	0.810928	0.981625
3905	ENSG00000126226.22	784.0401	-0.04328	0.180963	-0.23919	0.810959	0.981625
4004	ENSG00000127914.17	4008.601	0.04015	0.167865	0.23918	0.810966	0.981625
3535	ENSG00000121104.8	941.4387	0.041824	0.174909	0.239122	0.811011	0.981625
11166	ENSG00000272196.2	303.674	0.056796	0.237585	0.239057	0.811061	0.981625
8537	ENSG00000175497.17	1171.64	-0.05208	0.217983	-0.23894	0.811156	0.981625
9644	ENSG00000189420.8	248.7119	-0.05983	0.250481	-0.23884	0.811229	0.981625
887	ENSG00000073712.15	693.0376	0.045654	0.191265	0.238697	0.811341	0.981625
5957	ENSG00000148308.18	3884.455	0.039374	0.164982	0.238659	0.81137	0.981625
5095	ENSG00000138411.13	474.7574	-0.05701	0.238886	-0.23865	0.811375	0.981625
498	ENSG00000054116.12	969.144	0.041439	0.173756	0.238491	0.811501	0.981625
122	ENSG00000007168.14	3902.363	0.037648	0.157903	0.238422	0.811554	0.981625
9293	ENSG00000184983.11	1411.918	-0.0401	0.168342	-0.23821	0.81172	0.981625
3283	ENSG00000117602.12	3090.591	-0.03671	0.154376	-0.2378	0.812037	0.981625

3249	ENSG00000117335.20	4654.03	0.044829	0.188574	0.237727	0.812093	0.981625
1155	ENSG00000084463.8	3508.284	0.036839	0.154968	0.23772	0.812099	0.981625
347	ENSG00000033170.17	507.9879	-0.04777	0.200959	-0.2377	0.812113	0.981625
3196	ENSG00000116717.13	1313.846	-0.04723	0.198756	-0.23765	0.812153	0.981625
4402	ENSG00000132463.14	3831.154	-0.03511	0.147784	-0.2376	0.812191	0.981625
265	ENSG00000016864.18	1005.763	0.041366	0.174332	0.237279	0.81244	0.981625
408	ENSG00000042429.12	557.7141	0.049909	0.210385	0.237226	0.812481	0.981625
11268	ENSG00000277476.1	192.896	-0.07111	0.299837	-0.23717	0.812522	0.981625
2793	ENSG00000112245.12	603.9551	-0.05413	0.228281	-0.23713	0.812552	0.981625
8726	ENSG00000177822.8	506.5674	-0.04786	0.201897	-0.23706	0.812612	0.981625
10224	ENSG00000204789.4	310.494	-0.05386	0.227301	-0.23696	0.812691	0.981625
5028	ENSG00000137842.7	748.3568	-0.04364	0.184177	-0.23694	0.812702	0.981625
9375	ENSG00000185658.13	860.8294	0.042733	0.180421	0.236852	0.812772	0.981625
10239	ENSG00000204969.7	164.2563	-0.07014	0.296311	-0.23672	0.812876	0.981625
7800	ENSG00000168496.4	2552.5	-0.036	0.152389	-0.23622	0.813262	0.981625
3538	ENSG00000121274.13	454.2413	0.052386	0.22186	0.236121	0.813339	0.981625
7636	ENSG00000167380.16	431.7593	0.048673	0.206508	0.235694	0.81367	0.981625
1247	ENSG00000087365.16	9300.88	0.036616	0.155628	0.235278	0.813993	0.981625
3329	ENSG00000118412.13	831.1471	0.043633	0.185581	0.235114	0.814121	0.981625
4463	ENSG00000132906.18	379.4363	-0.05017	0.213407	-0.2351	0.81413	0.981625
5603	ENSG00000143748.18	433.021	0.057566	0.245025	0.234938	0.814257	0.981625
6066	ENSG00000149792.9	3496.559	-0.04069	0.173388	-0.23469	0.81445	0.981625
5250	ENSG00000140057.9	407.8829	0.050787	0.216464	0.234619	0.814504	0.981625
4810	ENSG00000136108.15	1584.342	0.03747	0.159712	0.234612	0.81451	0.981625
6428	ENSG00000155961.5	450.137	-0.04738	0.202032	-0.23453	0.814576	0.981625
5396	ENSG00000141556.21	2630.945	0.037257	0.158992	0.234332	0.814727	0.981625
230	ENSG00000013293.6	490.3394	-0.05159	0.220169	-0.23433	0.814731	0.981625
11150	ENSG00000270647.6	2673.048	-0.03585	0.153134	-0.2341	0.814904	0.981625
5778	ENSG00000145780.8	323.304	0.053751	0.229913	0.23379	0.815148	0.981625
2890	ENSG00000113441.16	912.2582	-0.04326	0.185097	-0.23373	0.815194	0.981625
171	ENSG00000010017.13	1617.271	0.037931	0.162344	0.233649	0.815258	0.981625
9576	ENSG00000188529.15	2575.348	-0.03629	0.155362	-0.23355	0.815331	0.981625
8366	ENSG00000173692.13	2634.18	0.036449	0.156086	0.23352	0.815358	0.981625
5805	ENSG00000146083.12	3119.599	-0.04121	0.176558	-0.23339	0.815458	0.981625
7898	ENSG00000169241.19	3601.107	0.037263	0.159735	0.233281	0.815543	0.981625
5043	ENSG00000137996.13	715.921	0.042617	0.182987	0.232897	0.815841	0.981625
3026	ENSG00000115159.16	751.4086	-0.05061	0.217309	-0.23287	0.815859	0.981625
5980	ENSG00000148600.15	1655.594	-0.04655	0.200141	-0.23257	0.816099	0.981625
943	ENSG00000075711.21	1003.554	-0.04081	0.17565	-0.23233	0.816285	0.981625
6629	ENSG00000158805.12	805.7808	0.042697	0.183941	0.232126	0.81644	0.981625
8783	ENSG00000178573.7	1729.558	0.037959	0.163592	0.232036	0.81651	0.981625
3660	ENSG00000123268.9	403.1284	0.05276	0.227513	0.2319	0.816616	0.981625
1913	ENSG00000102893.16	1460.535	0.043026	0.185543	0.231892	0.816622	0.981625
764	ENSG00000069020.18	773.0487	0.058221	0.25108	0.231881	0.81663	0.981625
2073	ENSG00000104490.18	425.6007	-0.05528	0.238433	-0.23186	0.81665	0.981625
5358	ENSG00000141219.15	760.5233	0.043809	0.189017	0.231773	0.816714	0.981625
9060	ENSG00000182518.13	243.381	0.05705	0.246267	0.231659	0.816803	0.981625
7189	ENSG00000164111.15	2968.596	-0.03655	0.15777	-0.23164	0.816817	0.981625
5696	ENSG00000144711.16	1487.066	-0.03952	0.170657	-0.23159	0.816855	0.981625
471	ENSG00000050405.13	760.2859	0.046994	0.202946	0.23156	0.81688	0.981625
7958	ENSG00000169855.20	4009.065	0.037408	0.161622	0.231455	0.816961	0.981625
10257	ENSG00000205323.9	731.9992	0.042875	0.185277	0.23141	0.816996	0.981625

10131	ENSG00000203877.8	166.6957	0.066466	0.287233	0.2314	0.817004	0.981625
9211	ENSG00000184056.15	319.602	0.053075	0.229377	0.231386	0.817015	0.981625
10013	ENSG00000198646.14	5122.513	0.039595	0.171215	0.23126	0.817113	0.981625
1129	ENSG00000083520.15	737.7126	-0.04335	0.187511	-0.23121	0.817149	0.981625
8656	ENSG00000177051.6	799.1933	-0.04993	0.216251	-0.2309	0.817395	0.981625
6871	ENSG00000161981.11	1000.009	0.0393	0.170335	0.230722	0.817531	0.981625
5664	ENSG00000144381.17	8073.896	0.034298	0.148803	0.230494	0.817708	0.981625
3231	ENSG00000117118.10	923.688	0.040483	0.175753	0.230338	0.817829	0.981625
3582	ENSG00000122042.10	1806.344	-0.04057	0.176138	-0.23033	0.817838	0.981625
839	ENSG00000071994.11	1083.696	0.039624	0.172035	0.230326	0.817839	0.981625
2630	ENSG00000110367.13	1759.837	-0.04623	0.20092	-0.23008	0.818026	0.981625
10741	ENSG00000241399.7	833.2875	-0.04679	0.203472	-0.22998	0.818111	0.981625
4772	ENSG00000135838.13	168.6253	-0.06969	0.303141	-0.22989	0.818181	0.981625
3125	ENSG00000116030.17	2069.868	0.03851	0.167599	0.229772	0.818269	0.981625
4265	ENSG00000130940.15	747.6033	-0.0428	0.186338	-0.2297	0.818322	0.981625
11310	ENSG00000280187.1	196.2116	-0.06091	0.265195	-0.22968	0.81834	0.981625
3087	ENSG00000115685.15	1529.817	-0.03785	0.164903	-0.22952	0.818465	0.981625
9839	ENSG00000197329.12	339.9552	0.05174	0.225716	0.229227	0.818692	0.981625
10653	ENSG00000235026.6	461.505	0.049444	0.215909	0.229004	0.818866	0.981625
731	ENSG00000067955.15	1442.234	0.039607	0.17297	0.228982	0.818883	0.981625
2717	ENSG00000111640.15	58240.12	-0.034	0.148475	-0.22896	0.818899	0.981625
6172	ENSG00000151779.13	1330.41	-0.03854	0.16841	-0.22885	0.818989	0.981625
8159	ENSG00000171492.14	706.3814	0.045703	0.199817	0.228724	0.819083	0.981625
7723	ENSG00000167971.16	447.9911	0.053477	0.233864	0.228669	0.819126	0.981625
4086	ENSG00000129007.14	165.1176	-0.07041	0.308025	-0.22859	0.819185	0.981625
6553	ENSG00000157796.18	601.3744	-0.04386	0.19189	-0.22857	0.8192	0.981625
2248	ENSG00000105835.12	1023.467	-0.04258	0.186286	-0.22857	0.819202	0.981625
4801	ENSG00000136040.9	2507.372	-0.03973	0.174005	-0.22834	0.819385	0.981625
8209	ENSG00000172006.12	263.6397	-0.05451	0.238776	-0.2283	0.819415	0.981625
6424	ENSG00000155903.13	234.1371	-0.05999	0.263012	-0.22808	0.819581	0.981625
3513	ENSG00000120868.14	484.9349	-0.04876	0.213898	-0.22797	0.819668	0.981625
9937	ENSG00000198087.7	1201.442	0.043143	0.189274	0.227938	0.819694	0.981625
7210	ENSG00000164209.17	1038.837	-0.04966	0.217883	-0.22794	0.819696	0.981625
2122	ENSG00000104915.15	1398.349	0.041294	0.181201	0.227892	0.81973	0.981625
5214	ENSG00000139620.13	509.425	-0.04696	0.206067	-0.22787	0.819745	0.981625
4554	ENSG00000133985.3	245.6045	-0.05548	0.243489	-0.22787	0.819747	0.981625
4647	ENSG00000134851.13	833.7542	-0.0417	0.183009	-0.22786	0.819753	0.981625
11149	ENSG00000270580.5	515.1615	0.056612	0.248681	0.22765	0.819918	0.981625
5171	ENSG00000139163.16	2813.368	0.042308	0.185886	0.227599	0.819958	0.981625
5919	ENSG00000147724.12	285.3634	-0.06338	0.279025	-0.22716	0.820296	0.981625
8331	ENSG00000173334.4	293.4491	0.053574	0.235889	0.227118	0.820332	0.981625
5968	ENSG00000148384.14	916.8588	0.039315	0.173421	0.2267	0.820657	0.981625
7740	ENSG00000168036.18	3909.517	-0.0409	0.180438	-0.22666	0.820687	0.981625
10227	ENSG00000204843.12	7502.101	0.03852	0.169956	0.22665	0.820696	0.981625
5136	ENSG00000138722.10	229.3248	-0.06263	0.276332	-0.22664	0.820705	0.981625
1162	ENSG00000084710.14	426.691	0.050816	0.224229	0.226627	0.820714	0.981625
3913	ENSG00000126262.4	734.3666	0.050996	0.225099	0.226547	0.820776	0.981625
4053	ENSG00000128595.17	2115.443	-0.04432	0.195714	-0.22644	0.82086	0.981625
9255	ENSG00000184517.12	346.5918	-0.0533	0.235501	-0.22633	0.820945	0.981625
4703	ENSG00000135334.9	624.434	-0.0442	0.195364	-0.22626	0.821	0.981625
6282	ENSG00000153561.13	1713.235	-0.04167	0.184332	-0.22603	0.821176	0.981625
1456	ENSG00000095981.11	7594.09	-0.04348	0.192395	-0.226	0.821204	0.981625

3619	ENSG00000122692.9	1116.846	-0.04062	0.179783	-0.22595	0.821242	0.981625
365	ENSG00000035928.16	1462.391	0.038005	0.168349	0.225751	0.821395	0.981625
8088	ENSG00000170915.9	215.008	-0.05798	0.256847	-0.22573	0.821411	0.981625
2620	ENSG00000110218.9	314.339	-0.05302	0.234888	-0.22571	0.821425	0.981625
8121	ENSG00000171208.10	1153.834	-0.04613	0.204546	-0.22554	0.821562	0.981625
5562	ENSG00000143436.11	1718.366	-0.03691	0.163715	-0.22544	0.821636	0.981625
6750	ENSG00000160298.18	1440.569	-0.03741	0.166019	-0.22535	0.821708	0.981625
8739	ENSG00000177946.6	986.7681	0.040103	0.177992	0.225305	0.821742	0.981625
6171	ENSG00000151778.11	187.6299	-0.0602	0.267205	-0.2253	0.821743	0.981625
7967	ENSG00000169914.6	388.7023	-0.04819	0.213912	-0.22526	0.821776	0.981625
6941	ENSG00000162650.16	467.2211	-0.05186	0.230501	-0.22501	0.821972	0.981625
3527	ENSG00000121039.10	590.7755	-0.0456	0.203005	-0.22464	0.822258	0.981625
9121	ENSG00000183134.5	5769.282	0.040948	0.182292	0.22463	0.822267	0.981625
67	ENSG00000005339.15	3965.036	-0.04082	0.18181	-0.22454	0.822337	0.981625
10628	ENSG00000233058.2	500.9729	-0.05151	0.229663	-0.2243	0.82252	0.981625
1117	ENSG00000082996.20	622.9464	0.043639	0.194805	0.224013	0.822747	0.981625
10352	ENSG00000213523.10	762.0593	0.044691	0.199772	0.22371	0.822983	0.981625
3096	ENSG00000115761.16	699.0835	0.043442	0.194288	0.223597	0.823071	0.981625
2712	ENSG00000111596.13	871.6428	-0.04267	0.190861	-0.22359	0.823075	0.981625
9857	ENSG00000197498.13	302.7473	0.05299	0.237012	0.223576	0.823087	0.981625
3735	ENSG00000124333.16	751.0616	-0.04392	0.19645	-0.22358	0.823088	0.981625
8736	ENSG00000177917.11	576.5117	-0.04778	0.213775	-0.22351	0.823141	0.981625
648	ENSG00000065320.9	1313.932	-0.04441	0.198841	-0.22337	0.823251	0.981625
2654	ENSG00000110768.12	618.2711	0.049187	0.220239	0.223335	0.823275	0.981625
7366	ENSG00000165449.11	489.0197	0.05629	0.25211	0.223274	0.823323	0.981625
9681	ENSG00000196345.13	215.447	-0.05858	0.262549	-0.22311	0.823453	0.981625
2007	ENSG00000103549.21	7264.007	0.038845	0.174223	0.222962	0.823565	0.981625
1190	ENSG00000085760.15	502.5615	0.04423	0.198393	0.222944	0.823579	0.981625
9975	ENSG00000198369.10	1029.717	0.038954	0.174876	0.222752	0.823729	0.981625
10414	ENSG00000214367.8	487.7501	-0.04413	0.198101	-0.22275	0.82373	0.981625
1216	ENSG00000086619.14	14299.59	0.0411	0.184575	0.222673	0.82379	0.981625
11307	ENSG00000280120.1	200.4355	0.059041	0.265297	0.222548	0.823887	0.981625
6209	ENSG00000152359.15	175.4193	0.060922	0.273856	0.222458	0.823957	0.981625
7312	ENSG00000164978.18	248.584	0.056805	0.255731	0.222129	0.824214	0.981625
8818	ENSG00000178996.14	619.071	-0.04146	0.186679	-0.22209	0.824241	0.981625
2797	ENSG00000112282.18	595.0255	-0.0468	0.210743	-0.22208	0.82425	0.981625
3012	ENSG00000114993.17	2057.988	0.036233	0.163181	0.222039	0.824283	0.981625
3265	ENSG00000117475.14	199.4339	0.059903	0.269921	0.221927	0.824371	0.981625
1053	ENSG00000079819.19	425.0969	-0.05048	0.227473	-0.22191	0.824385	0.981625
3593	ENSG00000122376.11	552.3371	0.048293	0.217697	0.221834	0.824443	0.981625
6425	ENSG00000155906.19	472.9288	0.04713	0.212706	0.221573	0.824646	0.981625
9642	ENSG00000189376.12	343.5911	0.049618	0.223949	0.221558	0.824658	0.981625
9903	ENSG00000197894.11	1632.307	0.0389	0.175785	0.221296	0.824862	0.981625
3225	ENSG00000117000.9	347.5649	0.057815	0.261275	0.221282	0.824873	0.981625
3507	ENSG00000120800.5	432.0037	-0.04578	0.207071	-0.2211	0.825013	0.981625
6817	ENSG00000161011.20	5203.954	-0.03363	0.152205	-0.22097	0.825114	0.981625
4156	ENSG00000130158.14	1748.344	0.045103	0.204152	0.220927	0.825149	0.981625
7897	ENSG00000169231.13	642.4682	-0.04525	0.20493	-0.2208	0.825249	0.981625
1066	ENSG00000080608.10	380.6453	-0.05434	0.246158	-0.22076	0.825276	0.981625
1748	ENSG00000101166.16	7142.634	0.04368	0.19792	0.220696	0.825329	0.981625
4994	ENSG00000137509.11	1256.221	-0.03741	0.169547	-0.22064	0.825371	0.981625
8031	ENSG00000170448.12	322.2684	-0.05299	0.240245	-0.22055	0.825444	0.981625

10421	ENSG00000214562.14	209.6303	0.05878	0.266645	0.220444	0.825525	0.981625
11224	ENSG00000274523.5	1608.387	-0.03568	0.162019	-0.2202	0.825718	0.981625
10213	ENSG00000204599.14	436.1023	-0.04951	0.225135	-0.21992	0.82593	0.981625
2231	ENSG00000105700.11	1642.161	-0.03512	0.159782	-0.21979	0.826038	0.981625
6682	ENSG00000159461.15	2293.143	0.037463	0.170457	0.219781	0.826041	0.981625
6205	ENSG00000152270.9	1314.107	-0.03852	0.175331	-0.21972	0.826093	0.981625
7077	ENSG00000163624.6	389.2987	-0.05007	0.22794	-0.21965	0.82614	0.981625
287	ENSG00000022267.19	334.4223	-0.04921	0.224013	-0.21965	0.826141	0.981625
745	ENSG00000068366.20	1390.517	0.044023	0.20062	0.219434	0.826312	0.981625
9345	ENSG00000185414.20	732.2482	-0.05089	0.232027	-0.21931	0.826408	0.981625
6581	ENSG00000158122.12	222.782	-0.05622	0.256418	-0.21926	0.826445	0.981625
3773	ENSG00000124784.9	474.1607	0.043841	0.199954	0.219253	0.826453	0.981625
1274	ENSG00000088766.12	816.063	-0.04013	0.183108	-0.21914	0.826539	0.981625
7318	ENSG00000165046.13	158.4035	0.070226	0.320592	0.21905	0.826611	0.981625
10115	ENSG00000198944.6	3105.99	-0.03741	0.170874	-0.21892	0.826713	0.981625
5707	ENSG00000144802.11	338.8888	-0.05836	0.266762	-0.21879	0.826817	0.981625
9397	ENSG00000185864.16	454.1138	-0.04669	0.213469	-0.21872	0.826867	0.981625
1297	ENSG00000089063.15	3606.176	-0.03343	0.152872	-0.2187	0.826886	0.981625
49	ENSG00000004961.15	640.0907	0.041331	0.189001	0.218679	0.8269	0.981625
9886	ENSG00000197771.13	930.6351	-0.04289	0.19619	-0.21862	0.826945	0.981625
4839	ENSG00000136305.11	2289.44	0.034934	0.159844	0.218552	0.826999	0.981625
10155	ENSG00000204178.11	936.9069	0.040559	0.1856	0.218532	0.827015	0.981625
6902	ENSG00000162341.18	318.1698	0.054236	0.248226	0.218494	0.827044	0.981625
8263	ENSG00000172594.13	410.1424	0.046745	0.213959	0.218475	0.827059	0.981625
1480	ENSG00000099246.17	667.7875	0.050985	0.233393	0.21845	0.827078	0.981625
2581	ENSG00000109738.11	280.9791	0.059578	0.27282	0.218378	0.827135	0.981625
8148	ENSG00000171448.9	278.5617	-0.05516	0.252715	-0.21827	0.827219	0.981625
8119	ENSG00000171204.13	363.3209	0.054174	0.248613	0.217903	0.827504	0.981625
9295	ENSG00000184992.13	2657.844	0.034823	0.159842	0.217861	0.827537	0.981625
10134	ENSG00000203896.10	378.529	-0.05641	0.258942	-0.21785	0.827549	0.981625
1110	ENSG00000082515.18	636.1209	-0.04124	0.189836	-0.21723	0.828032	0.981625
650	ENSG00000065361.16	658.7002	-0.04577	0.210946	-0.21698	0.828222	0.981625
2515	ENSG00000108829.10	2577.009	0.037355	0.172493	0.216558	0.828553	0.981625
10834	ENSG00000247572.8	172.7387	-0.06237	0.288028	-0.21656	0.828553	0.981625
4393	ENSG00000132388.12	1219.884	0.040071	0.185085	0.216501	0.828597	0.981625
9444	ENSG00000186472.20	1969.454	-0.04283	0.197833	-0.21649	0.828603	0.981625
7267	ENSG00000164651.16	228.0884	-0.0598	0.276326	-0.2164	0.828679	0.981625
465	ENSG00000050030.16	386.8214	0.053438	0.246966	0.216379	0.828692	0.981625
10680	ENSG00000236859.7	187.6477	0.058305	0.269464	0.216372	0.828698	0.981625
6557	ENSG00000157833.13	1388.112	0.039421	0.182271	0.216279	0.82877	0.981625
8686	ENSG00000177383.5	2154.338	-0.03367	0.155694	-0.21623	0.828807	0.981625
4287	ENSG00000131148.9	1191.741	-0.03566	0.164972	-0.21614	0.82888	0.981625
6531	ENSG00000157426.14	178.6018	-0.06523	0.30223	-0.21582	0.829131	0.981625
5103	ENSG00000138448.12	1187.045	0.05287	0.245118	0.215692	0.829228	0.981625
382	ENSG00000038274.17	250.9192	-0.05425	0.251547	-0.21567	0.829246	0.981625
5579	ENSG00000143545.10	1194.817	0.036546	0.169637	0.215434	0.829429	0.981625
9422	ENSG00000186162.10	226.4829	-0.05411	0.251218	-0.2154	0.829454	0.981625
775	ENSG00000069869.16	302.6294	-0.05225	0.242819	-0.2152	0.829611	0.981625
1853	ENSG00000102081.15	635.3509	0.041833	0.194424	0.215163	0.82964	0.981625
4828	ENSG00000136240.10	2412.961	-0.03628	0.168654	-0.21513	0.829664	0.981625
10622	ENSG00000232677.9	340.2939	-0.05226	0.243084	-0.21499	0.829778	0.981625
645	ENSG00000065243.20	729.8475	0.044475	0.206893	0.214966	0.829794	0.981625

5015	ENSG00000137776.17	2368.916	0.035593	0.165591	0.214945	0.82981	0.981625
5783	ENSG00000145860.12	1920.639	0.033583	0.156351	0.214794	0.829928	0.981625
10468	ENSG00000217128.12	491.0299	0.047938	0.223209	0.214766	0.82995	0.981625
10370	ENSG00000213719.8	6860.013	0.032203	0.14995	0.214761	0.829954	0.981625
3142	ENSG00000116157.6	1108.852	-0.03798	0.177007	-0.21459	0.830085	0.981625
2903	ENSG00000113593.12	478.178	-0.04329	0.201737	-0.21458	0.830092	0.981625
9471	ENSG00000186871.7	173.599	-0.0633	0.29532	-0.21434	0.830284	0.981625
7709	ENSG00000167862.10	212.0928	0.059034	0.275821	0.214029	0.830525	0.981625
855	ENSG00000072415.9	649.175	-0.04429	0.206986	-0.214	0.830549	0.981625
5784	ENSG00000145868.17	468.4782	-0.04603	0.215253	-0.21384	0.83067	0.981625
1624	ENSG00000100393.14	3522.804	-0.03945	0.184593	-0.21373	0.830757	0.981625
933	ENSG00000075413.18	1880.611	0.033265	0.155665	0.213697	0.830783	0.981625
8490	ENSG00000175063.17	2828.921	0.03484	0.163081	0.213639	0.830829	0.981625
4097	ENSG00000129173.13	162.3454	-0.06421	0.300722	-0.21351	0.830928	0.981625
3102	ENSG00000115827.14	352.9044	0.057426	0.268968	0.213506	0.830932	0.981625
3360	ENSG00000118965.15	437.743	0.05165	0.241939	0.213484	0.830949	0.981625
10112	ENSG00000198934.5	361.8703	-0.04906	0.230243	-0.21307	0.831276	0.981625
2387	ENSG00000107537.14	309.9751	-0.05006	0.235049	-0.21298	0.831346	0.981625
6901	ENSG00000162337.12	4253.111	0.035717	0.16771	0.212971	0.83135	0.981625
418	ENSG00000044459.15	370.1653	-0.04767	0.223846	-0.21294	0.83137	0.981625
7447	ENSG00000166024.13	286.9577	-0.05207	0.244762	-0.21273	0.831538	0.981625
11021	ENSG00000260704.1	178.0279	0.057879	0.272094	0.212717	0.831547	0.981625
7973	ENSG00000169951.10	572.9644	-0.041	0.192761	-0.2127	0.83156	0.981625
8239	ENSG00000172348.14	981.0084	-0.03681	0.173112	-0.21262	0.831623	0.981625
10047	ENSG00000198780.12	240.5209	-0.05576	0.262278	-0.21261	0.83163	0.981625
3228	ENSG00000117036.12	373.4289	-0.05103	0.240207	-0.21242	0.831776	0.981625
3473	ENSG00000120437.9	5541.952	-0.03183	0.149967	-0.21225	0.831908	0.981625
20	ENSG00000002834.18	4580.144	-0.03119	0.146987	-0.2122	0.831947	0.981625
5127	ENSG00000138660.12	477.5902	0.046885	0.220952	0.212193	0.831956	0.981625
11093	ENSG00000266714.9	1000.072	-0.03949	0.186131	-0.21216	0.831984	0.981625
581	ENSG00000061676.15	3502.999	0.03318	0.156403	0.212143	0.831995	0.981625
2061	ENSG00000104375.17	239.5656	-0.05899	0.278202	-0.21203	0.832087	0.981625
1610	ENSG00000100345.22	11032.4	0.036512	0.172289	0.211924	0.832166	0.981625
4763	ENSG00000135776.5	457.2189	-0.0427	0.201542	-0.21186	0.832214	0.981625
8117	ENSG00000171169.9	467.1079	-0.04305	0.203232	-0.21184	0.83223	0.981625
4926	ENSG00000136950.13	1213.715	-0.03741	0.177058	-0.21128	0.832671	0.981949
2958	ENSG00000114354.15	1941.007	-0.03426	0.162161	-0.21127	0.832678	0.981949
5855	ENSG00000146872.18	1013.539	0.036794	0.174735	0.21057	0.833223	0.982362
1316	ENSG00000089639.11	358.3127	-0.0455	0.216132	-0.21051	0.833273	0.982362
3121	ENSG00000116001.17	1414.312	-0.03703	0.175944	-0.21049	0.833287	0.982362
2792	ENSG00000112242.15	368.3853	0.046288	0.220199	0.21021	0.833504	0.982516
2495	ENSG00000108604.16	2011.103	0.033572	0.159951	0.209886	0.833757	0.982602
8565	ENSG00000175893.11	446.03	-0.05854	0.278993	-0.20983	0.8338	0.982602
4084	ENSG00000128989.11	3891.445	-0.0377	0.179704	-0.20978	0.833836	0.982602
10376	ENSG00000213782.7	699.8967	-0.04246	0.202608	-0.20959	0.833988	0.982655
10726	ENSG00000240682.10	728.6774	0.041984	0.200501	0.209398	0.834137	0.982655
62	ENSG00000005194.15	1112.435	-0.03638	0.173882	-0.2092	0.83429	0.982655
10901	ENSG00000253882.6	182.1869	0.070609	0.33753	0.209194	0.834297	0.982655
9582	ENSG00000188580.15	228.1189	0.055082	0.263534	0.209012	0.834439	0.982655
5144	ENSG00000138760.10	9304.604	-0.03432	0.164365	-0.2088	0.834603	0.982655
2741	ENSG00000111731.12	1810.686	-0.03683	0.176458	-0.2087	0.83468	0.982655
2588	ENSG00000109814.12	957.0825	0.040479	0.194077	0.208571	0.834783	0.982655

3952	ENSG00000126858.18	579.8541	-0.04283	0.2055	-0.20841	0.834913	0.982655
8592	ENSG00000176209.12	367.5448	0.048852	0.234589	0.208247	0.835036	0.982655
145	ENSG00000008282.8	1202.32	-0.0364	0.174808	-0.20825	0.835037	0.982655
6446	ENSG00000156253.7	290.2663	0.049384	0.237152	0.208239	0.835042	0.982655
1424	ENSG00000093167.18	773.6999	0.03931	0.188776	0.208235	0.835046	0.982655
9841	ENSG00000197345.13	411.4377	0.044212	0.212468	0.208087	0.835161	0.982655
1223	ENSG00000087053.20	849.2021	0.043268	0.20795	0.208069	0.835175	0.982655
10890	ENSG00000253250.3	162.6844	-0.0646	0.311655	-0.20729	0.835781	0.983229
8694	ENSG00000177485.7	485.0538	0.047626	0.229862	0.207192	0.83586	0.983229
1808	ENSG00000101574.15	272.5387	-0.05017	0.242255	-0.20711	0.835921	0.983229
975	ENSG00000076984.18	2167.602	0.033398	0.161614	0.206651	0.836282	0.983329
9626	ENSG00000189134.4	175.2821	0.057189	0.276874	0.206552	0.83636	0.983329
3122	ENSG00000116005.12	2152.98	0.037016	0.179275	0.206478	0.836418	0.983329
4804	ENSG00000136051.15	1175.435	-0.04131	0.200138	-0.20638	0.836491	0.983329
8096	ENSG00000171016.12	199.481	0.059552	0.288673	0.206298	0.836558	0.983329
8415	ENSG00000174243.10	3261.356	-0.03343	0.162089	-0.20622	0.836623	0.983329
3793	ENSG00000125351.12	854.4749	0.040821	0.198062	0.206101	0.836712	0.983329
4527	ENSG00000133657.16	2721.943	-0.04007	0.194421	-0.2061	0.836713	0.983329
7158	ENSG00000164023.14	401.0862	-0.05713	0.2776	-0.2058	0.836948	0.983329
6982	ENSG00000162961.14	1029.483	0.037306	0.181277	0.205796	0.836951	0.983329
4593	ENSG00000134291.12	3571.799	-0.0357	0.173476	-0.20579	0.836956	0.983329
2413	ENSG00000107829.15	2041.711	-0.03429	0.166937	-0.20541	0.837252	0.983497
8691	ENSG00000177432.8	568.7373	-0.03924	0.191043	-0.20538	0.837272	0.983497
8185	ENSG00000171793.16	2219.064	0.036352	0.17712	0.205237	0.837387	0.983517
8268	ENSG00000172671.20	187.6341	-0.05518	0.269145	-0.205	0.83757	0.983517
6593	ENSG00000158290.18	1132.335	0.035367	0.172842	0.204623	0.837867	0.983517
9329	ENSG00000185246.18	546.1871	-0.0467	0.228242	-0.20461	0.837876	0.983517
4356	ENSG00000131943.18	529.5227	-0.04299	0.210122	-0.20461	0.837878	0.983517
8991	ENSG00000181744.9	673.185	0.042677	0.208929	0.204264	0.838147	0.983517
168	ENSG00000009844.16	1043.209	0.037199	0.182177	0.204194	0.838202	0.983517
4497	ENSG00000133216.16	894.7676	-0.0402	0.197141	-0.20392	0.838418	0.983517
9435	ENSG00000186312.10	519.7239	-0.04333	0.212692	-0.2037	0.838589	0.983517
1179	ENSG00000085433.15	240.4978	0.053726	0.263759	0.203692	0.838594	0.983517
2934	ENSG00000114021.12	341.3836	0.045376	0.22288	0.20359	0.838674	0.983517
8963	ENSG00000181191.11	915.0235	-0.03708	0.182163	-0.20357	0.838693	0.983517
3884	ENSG00000125970.12	7149.758	-0.03189	0.156698	-0.20349	0.838749	0.983517
1879	ENSG00000102383.14	214.0463	-0.05521	0.271493	-0.20337	0.838845	0.983517
5372	ENSG00000141424.13	1302.181	0.038343	0.18868	0.203216	0.838967	0.983517
5033	ENSG00000137872.17	261.9593	-0.05542	0.272797	-0.20315	0.839017	0.983517
5285	ENSG00000140416.23	3460.868	-0.03082	0.151719	-0.20312	0.839043	0.983517
5101	ENSG00000138442.10	341.1645	-0.05592	0.275481	-0.20298	0.83915	0.983517
6184	ENSG00000152076.19	411.9896	-0.04215	0.207757	-0.2029	0.839214	0.983517
1230	ENSG00000087111.21	4292.677	-0.03164	0.15594	-0.20289	0.839219	0.983517
7029	ENSG00000163374.19	3273.92	-0.03261	0.16076	-0.20286	0.839248	0.983517
3236	ENSG00000117151.13	720.9787	-0.04569	0.225286	-0.2028	0.839293	0.983517
2029	ENSG00000104064.17	255.3771	0.050382	0.248531	0.202717	0.839356	0.983517
8027	ENSG00000170390.16	401.3701	-0.04322	0.213219	-0.20271	0.839362	0.983517
10159	ENSG00000204217.15	972.0596	-0.04005	0.197915	-0.20236	0.839632	0.983636
8939	ENSG00000180891.13	486.037	0.047055	0.232711	0.202203	0.839758	0.983636
4363	ENSG00000132016.11	170.8389	-0.0569	0.281621	-0.20203	0.839892	0.983636
974	ENSG00000076944.16	1993.956	-0.0358	0.177214	-0.20203	0.839896	0.983636
7202	ENSG00000164172.19	867.67	0.036636	0.181425	0.201934	0.839969	0.983636

10746	ENSG00000241685.10	3551.415	0.030145	0.149296	0.201916	0.839982	0.983636
793	ENSG00000070367.16	1449.206	-0.03963	0.19659	-0.20159	0.840237	0.983656
5322	ENSG00000140832.10	738.1406	-0.03701	0.183584	-0.20158	0.840249	0.983656
10035	ENSG00000198729.5	489.2354	-0.04052	0.20101	-0.20156	0.840258	0.983656
8029	ENSG00000170421.12	15280.59	0.030376	0.150815	0.201414	0.840375	0.983684
6777	ENSG00000160679.13	1803.563	-0.03168	0.157427	-0.20121	0.840537	0.983684
2290	ENSG00000106290.15	3695.803	0.031417	0.156148	0.201201	0.840541	0.983684
7211	ENSG00000164211.13	2231.256	0.041073	0.204435	0.200908	0.840771	0.983851
8823	ENSG00000179041.4	263.5576	0.048466	0.241565	0.200634	0.840985	0.983971
6753	ENSG00000160310.18	1501.941	-0.03215	0.160303	-0.20056	0.841046	0.983971
6714	ENSG00000160062.15	247.8206	0.049101	0.245141	0.200296	0.841249	0.984108
4396	ENSG00000132406.12	222.55	-0.05367	0.268253	-0.20005	0.841438	0.984142
518	ENSG00000055147.19	263.7763	-0.06062	0.303054	-0.20004	0.841451	0.984142
6717	ENSG00000160087.21	1939.204	-0.03179	0.159253	-0.19962	0.841774	0.984293
10336	ENSG00000213281.5	1648.542	0.042115	0.211092	0.199512	0.841863	0.984293
5242	ENSG00000139946.10	269.9673	-0.05039	0.252626	-0.19945	0.841907	0.984293
6712	ENSG00000160055.20	269.1231	0.050448	0.252959	0.199431	0.841926	0.984293
3480	ENSG00000120539.15	204.6325	0.052746	0.265154	0.198924	0.842322	0.984655
5560	ENSG00000143420.19	7144.116	0.029098	0.146359	0.198812	0.84241	0.984656
9745	ENSG00000196670.14	641.3992	-0.0385	0.193786	-0.19867	0.84252	0.984658
4408	ENSG00000132478.10	1168.198	-0.03348	0.168596	-0.19857	0.842601	0.984658
3321	ENSG00000118246.14	623.4425	0.041731	0.210253	0.198479	0.842671	0.984658
5829	ENSG00000146433.9	1309.089	-0.03464	0.17466	-0.19833	0.84279	0.984696
2806	ENSG00000112320.12	2103.476	-0.03525	0.17789	-0.19813	0.842941	0.98475
958	ENSG00000076248.11	1265.095	-0.03278	0.165496	-0.19805	0.843009	0.98475
7079	ENSG00000163626.17	277.6708	-0.04767	0.240995	-0.19781	0.843196	0.984752
9550	ENSG00000188185.13	334.7501	0.047752	0.241438	0.197781	0.843216	0.984752
689	ENSG00000066455.13	676.3211	-0.03712	0.187764	-0.19771	0.84327	0.984752
3830	ENSG00000125675.18	395.975	-0.04732	0.239645	-0.19747	0.843461	0.984874
10411	ENSG00000214309.5	189.3704	0.053528	0.27141	0.197224	0.843652	0.984988
2817	ENSG00000112473.18	5972.344	0.02941	0.149217	0.197099	0.84375	0.984988
4510	ENSG00000133398.4	805.7907	0.034868	0.176985	0.197012	0.843818	0.984988
3216	ENSG00000116906.13	664.683	-0.03737	0.190064	-0.19661	0.844135	0.985167
7135	ENSG00000163918.10	1212.252	0.03314	0.168605	0.196557	0.844174	0.985167
7440	ENSG00000165959.12	188.6129	0.066287	0.337365	0.196485	0.844231	0.985167
10423	ENSG00000214655.11	5434.207	0.032573	0.165943	0.196288	0.844385	0.985181
9697	ENSG00000196417.13	210.5097	0.054933	0.279947	0.196227	0.844432	0.985181
10197	ENSG00000204442.4	187.7892	0.056198	0.286537	0.196127	0.844511	0.985181
2685	ENSG00000111237.19	1228.838	-0.03605	0.183916	-0.19603	0.844589	0.985181
2273	ENSG00000106069.23	250.2101	-0.04923	0.251346	-0.19588	0.844708	0.985218
8439	ENSG00000174501.14	347.6489	0.047663	0.2435	0.195741	0.844813	0.98524
3050	ENSG00000115317.12	1263.082	0.034811	0.178174	0.195377	0.845098	0.985471
7631	ENSG00000167325.15	2956.919	0.032848	0.168327	0.195145	0.845279	0.985498
267	ENSG00000017797.13	1749.286	-0.03197	0.16385	-0.19513	0.845294	0.985498
447	ENSG00000048707.15	1152.068	-0.03361	0.17238	-0.19497	0.845414	0.985537
10538	ENSG00000225470.8	822.9626	0.038232	0.196357	0.194709	0.845621	0.985663
7389	ENSG00000165629.20	1092.023	0.034791	0.178771	0.194614	0.845695	0.985663
9343	ENSG00000185379.20	884.627	0.034101	0.175537	0.194267	0.845967	0.985796
1032	ENSG00000079150.18	199.7494	0.058777	0.302588	0.194247	0.845982	0.985796
4943	ENSG00000137124.8	452.0261	0.041176	0.212309	0.193945	0.846219	0.985915
924	ENSG00000075234.17	1751.967	0.031113	0.160547	0.193791	0.846339	0.985915
8759	ENSG00000178163.8	495.1124	-0.0426	0.219829	-0.19378	0.846344	0.985915

2447	ENSG00000108176.15	663.3063	-0.0391	0.202009	-0.19354	0.846533	0.986034
288	ENSG00000022277.13	2668.192	-0.03236	0.16729	-0.19343	0.846621	0.986036
1516	ENSG00000099901.17	2864.728	0.029057	0.150377	0.193229	0.84678	0.986102
1268	ENSG00000088448.14	803.2662	-0.03543	0.183442	-0.19314	0.846851	0.986102
7108	ENSG00000163795.14	954.9911	0.037108	0.1926	0.192669	0.847218	0.986429
2998	ENSG00000114850.7	1983.718	-0.03567	0.185293	-0.19249	0.847356	0.986443
7361	ENSG00000165410.15	598.3158	0.039332	0.204396	0.192432	0.847404	0.986443
4965	ENSG00000137267.6	2337.339	0.029426	0.153091	0.192212	0.847576	0.986505
6748	ENSG00000160293.17	2928.303	-0.02906	0.15125	-0.19214	0.847631	0.986505
3490	ENSG00000120688.9	401.6799	0.041641	0.216906	0.191977	0.84776	0.986555
7790	ENSG00000168397.17	2915.679	-0.03078	0.160819	-0.19142	0.848195	0.986836
1884	ENSG00000102409.10	1614.086	-0.03125	0.163347	-0.19129	0.848297	0.986836
883	ENSG00000073578.17	2291.864	-0.03096	0.161921	-0.1912	0.848366	0.986836
6865	ENSG00000161920.11	236.014	0.047989	0.251044	0.191155	0.848404	0.986836
6491	ENSG00000156875.14	1483.341	-0.03488	0.182536	-0.19109	0.848454	0.986836
342	ENSG00000032742.17	204.1756	-0.04947	0.259633	-0.19053	0.848892	0.986836
10012	ENSG00000198642.7	832.832	0.039054	0.205168	0.190353	0.849033	0.986836
643	ENSG00000065154.12	727.1054	0.036834	0.193556	0.1903	0.849074	0.986836
1290	ENSG00000089009.15	13371.19	0.029008	0.152462	0.190267	0.8491	0.986836
8032	ENSG00000170456.16	367.1317	0.040951	0.215445	0.190078	0.849248	0.986836
7020	ENSG00000163281.12	330.9308	-0.0466	0.245295	-0.18996	0.849343	0.986836
5123	ENSG00000138641.18	165.6695	-0.0549	0.289164	-0.18987	0.849409	0.986836
8567	ENSG00000175895.4	575.9224	-0.04035	0.212553	-0.18985	0.849425	0.986836
2965	ENSG00000114416.18	1615.224	-0.03004	0.158312	-0.18976	0.8495	0.986836
2245	ENSG00000105819.14	1812.496	-0.02974	0.15684	-0.1896	0.849624	0.986836
3856	ENSG00000125834.13	2245.378	-0.03068	0.161844	-0.18955	0.849666	0.986836
8261	ENSG00000172586.8	589.9742	0.036347	0.191809	0.189498	0.849703	0.986836
1095	ENSG00000081803.16	156.6439	0.057283	0.302339	0.189468	0.849726	0.986836
10539	ENSG00000225484.7	422.6152	-0.03923	0.207295	-0.18927	0.849883	0.986836
1404	ENSG00000092421.17	795.2204	0.04574	0.241929	0.189063	0.850043	0.986836
6099	ENSG00000150776.18	624.9816	0.039503	0.208981	0.189028	0.850071	0.986836
6101	ENSG00000150787.8	549.9471	-0.0391	0.20693	-0.18897	0.850113	0.986836
259	ENSG00000015479.20	4478.01	-0.03092	0.163902	-0.18867	0.850351	0.986836
7623	ENSG00000167280.17	1316.392	0.035321	0.187339	0.188542	0.850452	0.986836
6245	ENSG00000152942.19	625.7499	0.03845	0.204064	0.188423	0.850545	0.986836
10310	ENSG00000211456.13	754.466	-0.03498	0.185769	-0.18832	0.850624	0.986836
9827	ENSG00000197249.14	3781.491	-0.03462	0.183862	-0.18831	0.850631	0.986836
5542	ENSG00000143337.18	685.7985	0.03774	0.20053	0.188199	0.85072	0.986836
6098	ENSG00000150768.16	1668.51	-0.02984	0.158664	-0.18807	0.850824	0.986836
5939	ENSG00000148110.16	963.5084	-0.03541	0.188363	-0.18797	0.8509	0.986836
11276	ENSG00000278175.4	183.0251	0.051161	0.272397	0.187818	0.851019	0.986836
7296	ENSG00000164916.11	1932.513	-0.03237	0.17234	-0.18781	0.851025	0.986836
694	ENSG00000066654.14	1114.422	0.035785	0.190722	0.187629	0.851167	0.986836
3227	ENSG00000117020.18	573.578	-0.0383	0.204263	-0.18751	0.851257	0.986836
5928	ENSG00000147874.11	542.5949	-0.03934	0.209874	-0.18743	0.851325	0.986836
4823	ENSG00000136205.17	1414.509	0.03227	0.172343	0.187241	0.851472	0.986836
5735	ENSG00000145220.14	219.2195	0.047638	0.25456	0.187141	0.85155	0.986836
8525	ENSG00000175348.11	605.8435	-0.03585	0.191766	-0.18695	0.851698	0.986836
5786	ENSG00000145901.16	1987.726	0.032191	0.172292	0.186841	0.851785	0.986836
9900	ENSG00000197879.17	3657.39	-0.02911	0.155817	-0.18684	0.851787	0.986836
1812	ENSG00000101608.13	1341.755	-0.03455	0.18496	-0.18678	0.851832	0.986836
7619	ENSG00000167257.11	703.4777	0.033942	0.18192	0.186575	0.851994	0.986836

7854	ENSG00000168924.15	2278.45	-0.0316	0.169511	-0.18643	0.852106	0.986836
7412	ENSG00000165732.13	1982.911	0.033879	0.181932	0.186215	0.852276	0.986836
4809	ENSG00000136104.21	870.7837	0.032503	0.174563	0.186197	0.85229	0.986836
3440	ENSG00000119862.13	781.5499	-0.03407	0.183179	-0.18601	0.85244	0.986836
9391	ENSG00000185808.13	1012.472	-0.03238	0.174205	-0.18586	0.852551	0.986836
10969	ENSG00000258056.2	178.7841	-0.05107	0.274887	-0.1858	0.852603	0.986836
10836	ENSG00000247626.5	210.3691	-0.04772	0.256866	-0.18579	0.852612	0.986836
6005	ENSG00000149084.13	3205.653	0.031893	0.171745	0.1857	0.85268	0.986836
2804	ENSG00000112308.13	1409.167	0.030043	0.161813	0.185665	0.852708	0.986836
6486	ENSG00000156831.8	216.0127	0.051035	0.274911	0.185642	0.852725	0.986836
6095	ENSG00000150753.12	4906.515	0.029424	0.158642	0.185471	0.85286	0.986836
155	ENSG00000008513.16	523.3493	0.051467	0.277504	0.185463	0.852866	0.986836
7368	ENSG00000165476.14	1674.842	0.037609	0.203145	0.185132	0.853125	0.986836
5663	ENSG00000144369.13	355.205	0.048621	0.262979	0.184887	0.853318	0.986836
5669	ENSG00000144445.17	213.8855	-0.05121	0.277088	-0.18483	0.853361	0.986836
738	ENSG00000068097.15	585.558	-0.03617	0.195968	-0.18457	0.853564	0.986836
7328	ENSG00000165138.18	563.9797	-0.03793	0.20563	-0.18446	0.853654	0.986836
6716	ENSG00000160075.12	4445.706	0.027839	0.151082	0.184263	0.853807	0.986836
9982	ENSG00000198420.10	3520.39	-0.02919	0.158502	-0.18416	0.853891	0.986836
8808	ENSG00000178947.9	201.2976	-0.05169	0.280752	-0.1841	0.853935	0.986836
5098	ENSG00000138433.16	809.4179	0.032711	0.177702	0.18408	0.853951	0.986836
9879	ENSG00000197713.15	772.4272	0.037184	0.20234	0.18377	0.854194	0.986836
9449	ENSG00000186522.15	617.7164	-0.03651	0.198789	-0.18365	0.854286	0.986836
11054	ENSG00000262160.1	271.6012	-0.04366	0.237794	-0.18362	0.854314	0.986836
11204	ENSG00000273611.5	559.1137	0.03543	0.193042	0.183536	0.854378	0.986836
5021	ENSG00000137815.14	1961.641	0.030078	0.163893	0.18352	0.85439	0.986836
2137	ENSG00000105058.12	1464.496	-0.03264	0.177853	-0.18351	0.854397	0.986836
5825	ENSG00000146409.12	776.2968	0.033447	0.182332	0.183441	0.854452	0.986836
7007	ENSG00000163155.12	372.2918	-0.04207	0.229453	-0.18333	0.854538	0.986836
7052	ENSG00000163507.14	289.1101	0.04224	0.230745	0.183058	0.854753	0.986836
5788	ENSG00000145908.12	564.6845	-0.03542	0.193635	-0.18295	0.85484	0.986836
5743	ENSG00000145335.17	655.4147	0.034419	0.188177	0.182907	0.854871	0.986836
3568	ENSG00000121879.6	275.3151	0.043149	0.236122	0.182742	0.855	0.986836
2660	ENSG00000110871.15	490.9286	0.036873	0.202172	0.182382	0.855283	0.986836
771	ENSG00000069509.6	392.1415	0.038963	0.214024	0.182051	0.855542	0.986836
3144	ENSG00000116171.19	2101.855	-0.03138	0.172396	-0.18202	0.855566	0.986836
1008	ENSG00000078124.12	542.0168	-0.03828	0.210428	-0.18192	0.855649	0.986836
4808	ENSG00000136100.14	1008.668	0.034836	0.191517	0.181895	0.855665	0.986836
8225	ENSG00000172201.12	2407.963	0.027637	0.152351	0.181406	0.856049	0.986836
4149	ENSG00000130021.15	510.8854	0.037048	0.204639	0.181039	0.856337	0.986836
7047	ENSG00000163479.14	9519.839	0.026401	0.145926	0.180924	0.856428	0.986836
3472	ENSG00000120333.4	627.2504	0.037565	0.207979	0.180618	0.856667	0.986836
9836	ENSG00000197321.15	531.8098	0.03768	0.208706	0.180541	0.856728	0.986836
6881	ENSG00000162069.16	166.7034	0.055988	0.310324	0.180417	0.856825	0.986836
6747	ENSG00000160285.15	37223.43	0.029678	0.164586	0.180317	0.856904	0.986836
7546	ENSG00000166707.12	254.9389	-0.04824	0.26757	-0.18027	0.856937	0.986836
3537	ENSG00000121210.16	604.4	-0.03463	0.192212	-0.18017	0.857017	0.986836
10954	ENSG00000257122.5	166.8676	0.06782	0.376514	0.180126	0.857054	0.986836
1743	ENSG00000101150.18	4070.566	-0.02663	0.147892	-0.18008	0.857091	0.986836
10126	ENSG00000203668.2	509.0431	0.040997	0.227669	0.180071	0.857097	0.986836
214	ENSG00000011677.13	349.2063	-0.04099	0.227882	-0.17989	0.857241	0.986836
5708	ENSG00000144815.16	301.5762	-0.04407	0.245125	-0.17977	0.857329	0.986836

2155	ENSG00000105220.17	8117.48	-0.02594	0.144284	-0.17976	0.857344	0.986836
1872	ENSG00000102241.12	2073.178	-0.03149	0.175289	-0.17964	0.857437	0.986836
10558	ENSG00000226688.7	544.7673	-0.03722	0.207224	-0.17962	0.857452	0.986836
2776	ENSG00000112110.10	912.8101	-0.0314	0.174874	-0.17956	0.857495	0.986836
9608	ENSG00000188878.19	501.7015	0.038172	0.212599	0.179549	0.857507	0.986836
1896	ENSG00000102738.8	252.0272	-0.04445	0.247745	-0.17943	0.8576	0.986836
6094	ENSG00000150712.11	703.7515	-0.04046	0.225566	-0.17935	0.857663	0.986836
5165	ENSG00000139083.11	390.2386	0.038073	0.21261	0.179076	0.857878	0.986836
8343	ENSG00000173480.11	214.1506	0.047261	0.264145	0.178919	0.858001	0.986836
1131	ENSG00000083544.15	211.6096	0.046415	0.259477	0.17888	0.858032	0.986836
9782	ENSG00000196950.14	581.3173	0.042034	0.23529	0.178649	0.858214	0.986836
10808	ENSG00000244457.2	221.8338	-0.06817	0.381765	-0.17857	0.858275	0.986836
2201	ENSG00000105519.18	217.508	-0.05213	0.292165	-0.17843	0.858383	0.986836
8395	ENSG00000173950.16	748.0398	-0.03569	0.200244	-0.17825	0.858526	0.986836
4539	ENSG00000133805.15	290.222	-0.04116	0.230958	-0.1782	0.858568	0.986836
6264	ENSG00000153187.20	7838.503	-0.02571	0.144279	-0.1782	0.858569	0.986836
10346	ENSG00000213401.10	770.5303	0.034241	0.192477	0.177897	0.858804	0.986836
8105	ENSG00000171105.14	1578.154	-0.03039	0.170856	-0.17785	0.858837	0.986836
3745	ENSG00000124486.13	7840.858	0.028018	0.157559	0.177827	0.858859	0.986836
7223	ENSG00000164296.7	164.1946	-0.05007	0.281596	-0.17779	0.858885	0.986836
6383	ENSG00000155189.12	1270.697	-0.03182	0.179053	-0.17769	0.858963	0.986836
5549	ENSG00000143374.17	709.5986	-0.03679	0.207095	-0.17767	0.858983	0.986836
5676	ENSG00000144535.20	945.6693	-0.03056	0.172077	-0.17761	0.859032	0.986836
5317	ENSG00000140740.11	1270.232	-0.03066	0.17275	-0.17747	0.859143	0.986836
4289	ENSG00000131153.9	1405.231	0.031948	0.180245	0.17725	0.859312	0.986836
8830	ENSG00000179119.15	452.9139	0.041563	0.234722	0.177073	0.859451	0.986836
3553	ENSG00000121621.7	274.39	0.041746	0.235777	0.177056	0.859464	0.986836
8357	ENSG00000173598.14	3735.004	0.028607	0.161639	0.176983	0.859522	0.986836
11189	ENSG00000273066.5	345.3782	-0.0421	0.238134	-0.1768	0.859663	0.986836
5965	ENSG00000148356.14	1021.815	-0.03202	0.18113	-0.17677	0.859688	0.986836
4350	ENSG00000131871.15	817.8755	0.031455	0.177959	0.176753	0.859702	0.986836
5078	ENSG00000138231.13	292.6547	0.041797	0.236666	0.176608	0.859816	0.986836
2946	ENSG00000114127.10	533.8138	-0.04278	0.24231	-0.17657	0.85985	0.986836
2955	ENSG00000114331.15	579.5992	-0.04291	0.243193	-0.17644	0.859944	0.986836
6316	ENSG00000154153.13	217.4925	0.048397	0.274316	0.17643	0.859957	0.986836
10076	ENSG00000198855.7	277.6769	0.044339	0.251357	0.1764	0.85998	0.986836
9943	ENSG00000198142.5	544.9057	-0.03527	0.200188	-0.17618	0.86015	0.986836
163	ENSG00000009307.16	7557.368	-0.03034	0.172271	-0.17612	0.860203	0.986836
4430	ENSG00000132640.15	4912.393	-0.0333	0.189387	-0.17581	0.860445	0.986836
11037	ENSG00000261455.1	394.4274	-0.03796	0.215974	-0.17575	0.860492	0.986836
2813	ENSG00000112394.17	582.271	0.037609	0.214109	0.175654	0.860566	0.986836
10689	ENSG00000237441.10	2547.098	0.031668	0.180316	0.175623	0.86059	0.986836
676	ENSG00000066032.18	259.1035	0.042458	0.24182	0.175579	0.860625	0.986836
9798	ENSG00000197044.11	291.1669	0.041729	0.237764	0.175505	0.860683	0.986836
7713	ENSG00000167904.15	410.397	0.041259	0.235115	0.175483	0.8607	0.986836
11370	ENSG00000286129.1	175.1318	-0.05069	0.289028	-0.17537	0.860786	0.986836
6216	ENSG00000152455.16	159.8287	-0.06348	0.362004	-0.17535	0.860804	0.986836
5863	ENSG00000147044.22	4180.073	-0.02766	0.157802	-0.17526	0.860876	0.986836
2787	ENSG00000112200.17	824.8276	-0.03574	0.203959	-0.17525	0.860882	0.986836
7206	ENSG00000164182.11	237.8811	-0.04538	0.259033	-0.1752	0.860919	0.986836
4300	ENSG00000131351.15	268.4705	-0.0418	0.238595	-0.17517	0.860943	0.986836
9305	ENSG00000185049.16	1447.997	-0.02953	0.168955	-0.17476	0.861269	0.986836

1343	ENSG00000090487.11	1739.954	-0.02915	0.167007	-0.17455	0.861433	0.986836
3381	ENSG00000119335.17	8728.603	-0.02496	0.143027	-0.17453	0.861453	0.986836
1672	ENSG00000100604.13	392132.5	0.024377	0.139766	0.174416	0.861538	0.986836
10950	ENSG00000256806.6	337.02	-0.03844	0.220447	-0.17438	0.861565	0.986836
2015	ENSG00000103707.10	232.472	0.046845	0.268963	0.174171	0.861731	0.986836
7556	ENSG00000166797.11	655.9518	0.038392	0.220471	0.174138	0.861757	0.986836
2952	ENSG00000114279.13	780.8682	0.034743	0.199694	0.173979	0.861882	0.986836
10816	ENSG00000245556.3	303.1266	0.039523	0.227188	0.173964	0.861893	0.986836
832	ENSG00000071564.17	2162.163	0.027173	0.156226	0.173935	0.861917	0.986836
9706	ENSG00000196455.8	672.8037	-0.03465	0.199263	-0.17387	0.861964	0.986836
575	ENSG00000060762.19	653.4305	0.037968	0.218502	0.173767	0.862049	0.986836
5064	ENSG00000138101.18	415.4871	-0.03699	0.212922	-0.17375	0.862065	0.986836
5671	ENSG00000144455.14	472.9277	-0.03498	0.201493	-0.17358	0.862195	0.986836
1663	ENSG00000100577.19	837.5939	-0.03144	0.181154	-0.17355	0.862216	0.986836
5806	ENSG00000146085.8	1253.672	-0.03098	0.178534	-0.17355	0.862222	0.986836
7992	ENSG00000170085.18	1033.167	-0.03041	0.175265	-0.1735	0.86226	0.986836
2888	ENSG00000113391.19	522.1179	0.036375	0.209707	0.173459	0.862291	0.986836
10045	ENSG00000198758.11	524.238	0.037711	0.217501	0.173382	0.862351	0.986836
8975	ENSG00000181404.17	522.5126	0.039588	0.228397	0.17333	0.862392	0.986836
1900	ENSG00000102780.17	325.943	0.040612	0.234394	0.173266	0.862442	0.986836
1405	ENSG00000092439.16	880.2535	0.03661	0.211342	0.173226	0.862474	0.986836
8299	ENSG00000172992.12	1353.108	-0.03044	0.176105	-0.17286	0.862762	0.987067
416	ENSG00000044115.21	3001.39	-0.02985	0.172927	-0.17259	0.862973	0.987114
5536	ENSG00000143314.12	1175.189	0.029325	0.169958	0.172545	0.863009	0.987114
3370	ENSG00000119227.8	164.962	0.054516	0.316224	0.172396	0.863126	0.987114
4891	ENSG00000136813.14	2128.818	-0.03234	0.187807	-0.17221	0.863272	0.987114
10412	ENSG00000214338.10	346.1102	0.039377	0.228852	0.172062	0.863389	0.987114
2053	ENSG00000104331.9	1844.676	-0.03503	0.204112	-0.17162	0.86374	0.987114
2910	ENSG00000113643.9	1662.911	0.027112	0.158041	0.171551	0.86379	0.987114
1744	ENSG00000101152.11	7328.475	-0.02447	0.142673	-0.1715	0.863833	0.987114
9914	ENSG00000197965.12	2212.105	0.033265	0.193975	0.171491	0.863838	0.987114
10866	ENSG00000250067.12	190.6232	0.064825	0.378607	0.17122	0.86405	0.987114
10551	ENSG00000226137.5	1262.876	0.033297	0.194757	0.170969	0.864248	0.987114
442	ENSG00000048392.12	375.6091	0.044823	0.262297	0.170888	0.864312	0.987114
3327	ENSG00000118369.13	402.4278	0.040597	0.237566	0.170888	0.864312	0.987114
529	ENSG00000056097.16	1714.126	-0.03012	0.176448	-0.17073	0.864437	0.987114
2275	ENSG00000106086.20	213.3482	-0.04448	0.260743	-0.17058	0.864552	0.987114
5765	ENSG00000145604.16	848.0795	-0.03237	0.189954	-0.1704	0.864693	0.987114
3491	ENSG00000120690.16	367.8102	0.043804	0.257314	0.170234	0.864826	0.987114
218	ENSG00000012174.12	1306.136	-0.02979	0.17514	-0.17008	0.864944	0.987114
5168	ENSG00000139132.14	559.4522	-0.03411	0.200558	-0.17008	0.864946	0.987114
1481	ENSG00000099256.19	300.7118	0.039044	0.229642	0.170023	0.864992	0.987114
8291	ENSG00000172915.18	944.2752	0.030752	0.181134	0.169774	0.865188	0.987114
3881	ENSG00000125966.10	4066.667	0.026856	0.15822	0.169739	0.865215	0.987114
7820	ENSG00000168724.17	955.3531	0.029609	0.174499	0.169681	0.865261	0.987114
1315	ENSG00000089597.18	28005.92	-0.0243	0.143538	-0.16928	0.865579	0.987114
1177	ENSG00000085382.12	562.436	-0.03711	0.219289	-0.16925	0.8656	0.987114
5704	ENSG00000144749.14	1024.874	-0.03325	0.196488	-0.16923	0.865615	0.987114
10807	ENSG00000244405.8	837.2558	0.031213	0.184858	0.168848	0.865916	0.987114
9589	ENSG00000188647.13	667.6176	0.040661	0.240888	0.168795	0.865958	0.987114
5296	ENSG00000140521.16	2153.892	0.026834	0.159027	0.16874	0.866001	0.987114
6435	ENSG00000156030.13	693.5007	0.032389	0.192049	0.168651	0.866072	0.987114

10163	ENSG00000204231.11	1914.859	-0.02664	0.157978	-0.16863	0.866086	0.987114
7678	ENSG00000167654.18	426.1087	-0.16926	1.004003	-0.16859	0.866122	0.987114
7232	ENSG00000164331.10	270.0261	-0.04455	0.264322	-0.16854	0.866155	0.987114
1345	ENSG00000090565.17	3305.543	-0.0269	0.159651	-0.16846	0.866219	0.987114
7410	ENSG00000165730.16	238.6307	-0.04443	0.263792	-0.16844	0.866236	0.987114
6384	ENSG00000155229.21	2193.786	-0.02747	0.163082	-0.16843	0.866246	0.987114
4936	ENSG00000137074.20	701.3781	0.034825	0.206792	0.168404	0.866265	0.987114
5453	ENSG00000142230.13	3128.16	0.026307	0.156266	0.168349	0.866309	0.987114
7284	ENSG00000164823.11	352.6452	0.044842	0.266364	0.168347	0.86631	0.987114
5782	ENSG00000145833.16	1968.435	0.027938	0.16634	0.167954	0.866619	0.987114
6305	ENSG00000154001.14	1051.598	-0.02889	0.171998	-0.16795	0.86662	0.987114
5938	ENSG00000148090.12	237.4246	0.041774	0.249424	0.167483	0.86699	0.987114
8016	ENSG00000170310.15	156.7727	0.048453	0.28953	0.167352	0.867093	0.987114
1237	ENSG00000087253.13	472.5651	-0.03528	0.210975	-0.16724	0.867183	0.987114
5267	ENSG00000140319.11	3239.685	-0.02587	0.154883	-0.16705	0.867331	0.987114
9711	ENSG00000196470.12	474.1054	0.034148	0.204446	0.167025	0.86735	0.987114
872	ENSG00000072958.9	2809.534	0.025205	0.150959	0.166964	0.867399	0.987114
2251	ENSG00000105854.13	225.8959	0.042118	0.252258	0.166964	0.867399	0.987114
7867	ENSG00000169045.17	5079.055	0.024239	0.145284	0.166842	0.867494	0.987114
3149	ENSG00000116209.12	6298.099	0.025848	0.154982	0.16678	0.867543	0.987114
7922	ENSG00000169519.21	225.5468	-0.04639	0.278387	-0.16662	0.867666	0.987114
8599	ENSG00000176349.11	470.0261	-0.03679	0.220874	-0.16656	0.867717	0.987114
871	ENSG00000072954.7	480.6236	-0.03308	0.198794	-0.1664	0.867838	0.987114
11050	ENSG00000261824.7	492.2778	-0.03371	0.202634	-0.16638	0.867856	0.987114
1050	ENSG00000079739.17	1412.428	-0.02931	0.176295	-0.16624	0.867968	0.987114
1955	ENSG00000103160.12	741.1223	0.031196	0.187752	0.166157	0.868033	0.987114
8074	ENSG00000170846.17	825.6827	-0.02917	0.175796	-0.16591	0.868226	0.987114
4274	ENSG00000131023.13	899.3135	0.029358	0.177045	0.165822	0.868297	0.987114
6806	ENSG00000160917.15	1782.141	-0.02707	0.163456	-0.1656	0.868469	0.987114
2614	ENSG00000110104.13	1205.041	-0.02772	0.167433	-0.16554	0.868521	0.987114
2076	ENSG00000104522.16	1036.915	0.028566	0.172567	0.165534	0.868524	0.987114
10080	ENSG00000198862.14	564.9586	-0.03908	0.236146	-0.16548	0.868565	0.987114
424	ENSG00000047188.16	507.4614	0.038043	0.229944	0.165445	0.868594	0.987114
8217	ENSG00000172062.17	1186.267	0.029118	0.176013	0.165432	0.868604	0.987114
1180	ENSG00000085449.15	1018.971	0.033348	0.201983	0.165104	0.868862	0.987114
1834	ENSG00000101901.12	519.1407	0.032668	0.197915	0.165062	0.868895	0.987114
4400	ENSG00000132436.11	433.9627	-0.04088	0.247707	-0.16505	0.868906	0.987114
2912	ENSG00000113648.16	7355.047	0.02777	0.168473	0.164836	0.869073	0.987114
9901	ENSG00000197885.11	235.9065	-0.0415	0.251799	-0.16481	0.869095	0.987114
7258	ENSG00000164603.12	299.5479	-0.04284	0.260335	-0.16457	0.869284	0.987114
2684	ENSG00000111231.9	226.7787	0.041194	0.250633	0.16436	0.869448	0.987114
6389	ENSG00000155275.19	184.2874	-0.0442	0.268941	-0.16434	0.869465	0.987114
4927	ENSG00000136960.13	683.2255	-0.03628	0.220875	-0.16427	0.869521	0.987114
5521	ENSG00000143171.13	742.2879	0.030477	0.185536	0.164262	0.869525	0.987114
5318	ENSG00000140743.8	298.5798	0.039308	0.239438	0.164168	0.869599	0.987114
5055	ENSG00000138071.14	3243.361	0.031407	0.191385	0.164102	0.869651	0.987114
4538	ENSG00000133794.19	391.8994	0.040149	0.244799	0.164007	0.869725	0.987114
900	ENSG00000074319.13	1210.735	-0.03278	0.199916	-0.16398	0.869748	0.987114
11306	ENSG00000280071.4	777.9565	0.031871	0.19449	0.163871	0.869833	0.987114
6984	ENSG00000162972.10	273.1529	-0.03906	0.238495	-0.16379	0.8699	0.987114
10912	ENSG00000254585.5	8534.232	-0.02988	0.182492	-0.16376	0.86992	0.987114
358	ENSG00000035115.22	1295.964	-0.0306	0.186918	-0.16368	0.86998	0.987114

4311	ENSG00000131437.15	1111.178	-0.02743	0.167587	-0.16365	0.870007	0.987114
2920	ENSG00000113739.10	1799.814	0.028019	0.171321	0.16355	0.870085	0.987114
495	ENSG00000053501.13	323.9255	-0.03723	0.227966	-0.1633	0.870286	0.987192
3203	ENSG00000116754.13	3568.89	-0.02458	0.150714	-0.16308	0.870454	0.987192
8314	ENSG00000173166.18	779.803	0.033157	0.203386	0.163027	0.870497	0.987192
404	ENSG00000041988.15	563.0259	-0.03265	0.200504	-0.16283	0.870653	0.987192
3971	ENSG00000127334.11	1212.145	-0.03335	0.204897	-0.16277	0.870697	0.987192
6793	ENSG00000160781.17	192.7884	-0.04723	0.290245	-0.16271	0.870744	0.987192
3071	ENSG00000115514.12	329.3246	0.03808	0.234061	0.162692	0.870761	0.987192
9694	ENSG00000196387.9	258.9161	-0.03902	0.240012	-0.16256	0.870866	0.987213
9087	ENSG00000182810.7	491.2721	-0.0361	0.222292	-0.1624	0.870994	0.987259
9324	ENSG00000185219.17	1432.225	-0.02875	0.177151	-0.16228	0.871085	0.987261
5113	ENSG00000138594.14	737.0254	-0.03004	0.185419	-0.162	0.871306	0.987261
7514	ENSG00000166446.15	397.7938	-0.04167	0.257381	-0.16191	0.871377	0.987261
6493	ENSG00000156928.5	203.0013	0.043012	0.265919	0.161747	0.871505	0.987261
4706	ENSG00000135363.12	458.3098	0.034046	0.210783	0.161521	0.871683	0.987261
3686	ENSG00000123612.16	9105.529	-0.02943	0.182262	-0.16149	0.871705	0.987261
4852	ENSG00000136463.8	579.0979	0.033069	0.204866	0.161416	0.871766	0.987261
2794	ENSG00000112246.10	1507.795	-0.02973	0.184179	-0.1614	0.87178	0.987261
7998	ENSG00000170142.12	347.1194	-0.03672	0.22763	-0.16132	0.871843	0.987261
8635	ENSG00000176840.12	884.7185	0.028873	0.179277	0.161052	0.872052	0.987261
4575	ENSG00000134186.12	1334.072	0.026523	0.164742	0.160996	0.872096	0.987261
9687	ENSG00000196365.12	6228.759	0.025525	0.158722	0.160813	0.87224	0.987261
8246	ENSG00000172409.6	223.6022	0.041021	0.255409	0.160608	0.872402	0.987261
6732	ENSG00000160201.12	796.0922	0.033463	0.208491	0.160501	0.872486	0.987261
10916	ENSG00000254682.1	168.1815	0.048329	0.301417	0.16034	0.872613	0.987261
197	ENSG00000011258.16	477.1149	0.03401	0.212126	0.160331	0.87262	0.987261
9163	ENSG00000183605.17	169.3304	0.048435	0.302665	0.160028	0.872859	0.987261
7683	ENSG00000167674.15	2188.654	0.026883	0.168028	0.159993	0.872886	0.987261
3594	ENSG00000122378.14	7211.023	-0.02358	0.147699	-0.15967	0.873142	0.987261
2538	ENSG00000109083.14	375.869	-0.03598	0.225376	-0.15964	0.873162	0.987261
11221	ENSG00000274425.1	328.9359	-0.03688	0.231098	-0.1596	0.873199	0.987261
3912	ENSG00000126261.13	2231.622	0.031533	0.197603	0.15958	0.873212	0.987261
11184	ENSG00000272888.7	1091.163	0.028883	0.18103	0.159547	0.873238	0.987261
4434	ENSG00000132669.13	644.7163	-0.03234	0.202738	-0.15952	0.873257	0.987261
5615	ENSG00000143811.19	743.5137	-0.02959	0.185491	-0.15951	0.873266	0.987261
4598	ENSG00000134318.14	1469.881	-0.02803	0.175788	-0.15945	0.873315	0.987261
9165	ENSG00000183624.14	1168.058	0.027969	0.175619	0.159262	0.873463	0.987261
4250	ENSG00000130811.12	3601.987	0.024108	0.151479	0.159153	0.873549	0.987261
1186	ENSG00000085662.14	2271.361	0.026572	0.16701	0.159103	0.873588	0.987261
5458	ENSG00000142396.10	951.4625	-0.02944	0.185345	-0.15882	0.873809	0.987261
1044	ENSG00000079459.13	14252.12	-0.02501	0.157665	-0.15862	0.873965	0.987261
934	ENSG00000075415.13	6770.159	-0.02291	0.144465	-0.1586	0.873988	0.987261
7839	ENSG00000168818.10	596.698	-0.03469	0.219045	-0.15838	0.874154	0.987261
9791	ENSG00000197006.14	2071.828	-0.03046	0.192342	-0.15838	0.87416	0.987261
5752	ENSG00000145388.15	682.6796	0.033759	0.213189	0.158352	0.874179	0.987261
10963	ENSG00000257698.2	181.1509	0.045128	0.285055	0.158312	0.874211	0.987261
528	ENSG00000056050.7	355.9503	0.035412	0.223753	0.158262	0.87425	0.987261
8758	ENSG00000178162.8	357.369	-0.03548	0.224502	-0.15804	0.874422	0.987261
2546	ENSG00000109133.13	1824.872	0.032309	0.204552	0.157951	0.874495	0.987261
8603	ENSG00000176393.11	2232.303	-0.02494	0.157901	-0.15792	0.874518	0.987261
3220	ENSG00000116962.15	209.0826	-0.04064	0.257462	-0.15784	0.874582	0.987261

5797	ENSG00000145996.11	354.8673	-0.0346	0.219758	-0.15744	0.874898	0.987261
6078	ENSG00000150054.18	223.9387	0.042889	0.272426	0.157433	0.874904	0.987261
3415	ENSG00000119673.14	536.2778	0.03656	0.232378	0.157328	0.874987	0.987261
4864	ENSG00000136560.14	350.9945	0.035758	0.227387	0.157254	0.875044	0.987261
10580	ENSG00000228544.1	297.0298	-0.04065	0.258608	-0.15719	0.875092	0.987261
7613	ENSG00000167193.8	1024.853	0.028202	0.179545	0.157077	0.875184	0.987261
5839	ENSG00000146587.18	280.7995	0.036824	0.234615	0.156954	0.875281	0.987261
4614	ENSG00000134480.16	395.9642	0.034434	0.219392	0.156953	0.875282	0.987261
9634	ENSG00000189241.8	2531.577	-0.02375	0.151352	-0.15689	0.87533	0.987261
3887	ENSG00000125991.20	7097.32	0.023129	0.147683	0.156611	0.875551	0.987305
4487	ENSG00000133119.13	851.8296	0.030991	0.197987	0.156529	0.875616	0.987305
5439	ENSG00000142039.4	2698.144	0.024325	0.155535	0.156395	0.875721	0.987305
10101	ENSG00000198912.11	395.382	-0.03462	0.221494	-0.15631	0.875785	0.987305
8992	ENSG00000181751.10	526.0804	0.033718	0.215926	0.156157	0.87591	0.987305
5080	ENSG00000138279.16	2862.863	0.024262	0.15545	0.156073	0.875975	0.987305
4421	ENSG00000132591.12	1758.302	-0.02514	0.161126	-0.15601	0.876027	0.987305
9489	ENSG00000187164.20	820.8837	0.02766	0.17739	0.155928	0.87609	0.987305
254	ENSG00000015153.15	299.1561	-0.03898	0.250096	-0.15585	0.87615	0.987305
7832	ENSG00000168792.5	3343.93	-0.02356	0.151419	-0.15561	0.87634	0.987368
5126	ENSG00000138658.15	244.5277	0.040003	0.257165	0.155555	0.876384	0.987368
5658	ENSG00000144306.15	229.5789	0.04149	0.2669	0.155451	0.876466	0.987368
7446	ENSG00000166016.6	629.5371	0.03202	0.206346	0.155174	0.876684	0.987516
236	ENSG00000013503.10	212.5301	0.042778	0.276057	0.154961	0.876852	0.98756
9527	ENSG00000187772.8	247.8643	-0.04323	0.279087	-0.1549	0.876897	0.98756
9098	ENSG00000182916.8	539.9571	-0.03674	0.237489	-0.15471	0.877051	0.987636
1224	ENSG00000087074.8	645.8976	-0.03248	0.210121	-0.15457	0.877158	0.98766
299	ENSG00000023572.10	158.0685	-0.04413	0.285913	-0.15436	0.877328	0.987752
11041	ENSG00000261609.8	393.6377	0.032566	0.211546	0.153942	0.877656	0.988024
6601	ENSG00000158435.8	1195.104	-0.02755	0.179438	-0.15352	0.877991	0.988304
3215	ENSG00000116903.7	234.6036	0.040242	0.262584	0.153255	0.878197	0.988438
1678	ENSG00000100644.17	3140.428	0.025186	0.16475	0.152874	0.878497	0.988603
3629	ENSG00000122870.12	175.0386	-0.04428	0.289686	-0.15285	0.878517	0.988603
4113	ENSG00000129353.15	645.4263	-0.03056	0.200305	-0.15256	0.878748	0.988622
3795	ENSG00000125354.23	848.221	0.027866	0.182873	0.152376	0.87889	0.988622
3033	ENSG00000115233.12	1210.541	0.0264	0.173532	0.152134	0.879081	0.988622
7573	ENSG00000166900.17	2765.635	-0.02853	0.187579	-0.15208	0.879126	0.988622
2097	ENSG00000104765.16	1655.74	-0.02681	0.176365	-0.15203	0.879166	0.988622
7591	ENSG00000166997.8	453.2536	0.031111	0.204836	0.151882	0.87928	0.988622
2358	ENSG00000107021.16	1829.541	0.024607	0.162021	0.151874	0.879286	0.988622
7734	ENSG00000168003.17	11780.2	-0.02386	0.157117	-0.15184	0.879312	0.988622
10712	ENSG00000239887.6	249.1582	-0.04009	0.26403	-0.15184	0.879315	0.988622
3612	ENSG00000122585.8	392.2159	-0.05102	0.336303	-0.15172	0.879411	0.988624
5532	ENSG00000143256.5	1115.558	0.026212	0.17296	0.151547	0.879544	0.988624
5052	ENSG00000138036.18	242.4865	-0.03815	0.251831	-0.15151	0.879577	0.988624
1561	ENSG00000100138.15	2868.305	0.023451	0.155143	0.15116	0.87985	0.988832
7061	ENSG00000163535.18	368.1006	-0.03239	0.21442	-0.15105	0.87994	0.988836
6016	ENSG00000149196.16	272.0464	0.036409	0.241567	0.150722	0.880195	0.988909
10445	ENSG00000215251.4	685.824	0.028574	0.189766	0.150576	0.88031	0.988909
5995	ENSG00000148835.11	337.1621	-0.03299	0.21922	-0.15048	0.880386	0.988909
5742	ENSG00000145332.14	433.6485	0.036305	0.241525	0.150315	0.880516	0.988909
2038	ENSG00000104147.9	207.2527	-0.04023	0.267825	-0.15019	0.880612	0.988909
10493	ENSG00000221963.6	207.2907	0.040849	0.271978	0.150191	0.880614	0.988909

4475	ENSG00000133028.12	672.3326	-0.02775	0.184943	-0.15007	0.88071	0.988909
7191	ENSG00000164117.14	312.0192	-0.03564	0.237693	-0.14995	0.880806	0.988909
8389	ENSG00000173905.9	830.5238	-0.02705	0.180866	-0.14957	0.881102	0.988909
2268	ENSG00000106012.18	459.0294	0.032035	0.214427	0.149397	0.88124	0.988909
4065	ENSG00000128731.18	5648.726	0.028229	0.189087	0.149293	0.881323	0.988909
2069	ENSG00000104435.14	2894.865	0.024594	0.164802	0.149235	0.881368	0.988909
10501	ENSG00000222011.9	217.7343	-0.03853	0.258222	-0.14923	0.881371	0.988909
2807	ENSG00000112335.15	2033.942	0.023925	0.16039	0.149167	0.881422	0.988909
2147	ENSG00000105173.14	259.5107	0.03976	0.266911	0.148963	0.881583	0.988909
2523	ENSG00000108924.14	387.1209	-0.03878	0.26046	-0.14888	0.881649	0.988909
10858	ENSG00000249471.8	403.8316	0.032052	0.215331	0.148852	0.881671	0.988909
10444	ENSG00000215218.4	1197.271	-0.02463	0.165527	-0.14881	0.881705	0.988909
4072	ENSG00000128872.10	1335.455	-0.02506	0.168439	-0.14879	0.881718	0.988909
9829	ENSG00000197265.9	313.0495	-0.03337	0.224557	-0.14862	0.88185	0.988909
3020	ENSG00000115109.14	558.5511	0.03151	0.21232	0.148407	0.882022	0.988909
7741	ENSG00000168040.5	516.514	0.030566	0.20607	0.148329	0.882083	0.988909
3572	ENSG00000121931.16	422.4481	0.032028	0.216009	0.148273	0.882127	0.988909
8367	ENSG00000173698.18	1035.23	0.029708	0.200399	0.148244	0.88215	0.988909
10678	ENSG00000236618.2	193.224	-0.04013	0.270765	-0.14821	0.882176	0.988909
9172	ENSG00000183684.8	2319.128	-0.02556	0.17281	-0.14791	0.882416	0.989003
2467	ENSG00000108406.10	881.5717	0.02824	0.190961	0.147885	0.882434	0.989003
809	ENSG00000070770.9	2254.385	0.023992	0.162446	0.147692	0.882586	0.989077
432	ENSG00000047597.7	353.5036	0.036803	0.25051	0.146911	0.883202	0.989128
8311	ENSG00000173145.11	188.1063	-0.03999	0.272401	-0.14679	0.883298	0.989128
3410	ENSG00000119640.9	326.8774	0.033696	0.229723	0.146681	0.883384	0.989128
2788	ENSG00000112208.11	233.6818	-0.03641	0.248481	-0.14655	0.883491	0.989128
9183	ENSG00000183762.13	472.6894	0.029389	0.2008	0.146359	0.883638	0.989128
8933	ENSG00000180787.6	181.6111	-0.04249	0.290381	-0.14632	0.883672	0.989128
4657	ENSG00000134901.13	353.9424	0.031996	0.21873	0.146281	0.883699	0.989128
198	ENSG00000011260.14	712.2765	0.027923	0.191071	0.14614	0.883811	0.989128
8620	ENSG00000176532.4	301.6976	0.03461	0.236905	0.146092	0.883849	0.989128
8100	ENSG00000171055.15	262.6897	0.035184	0.24084	0.146087	0.883853	0.989128
5823	ENSG00000146376.11	200.7925	0.040301	0.276045	0.145996	0.883925	0.989128
1028	ENSG00000078967.13	567.563	0.032346	0.221604	0.145963	0.883951	0.989128
2404	ENSG00000107758.16	1558.395	-0.02423	0.166072	-0.14587	0.884023	0.989128
3120	ENSG00000115993.13	465.8582	-0.03156	0.216396	-0.14583	0.884057	0.989128
8215	ENSG00000172057.10	1184.39	0.024213	0.166174	0.145708	0.884152	0.989128
4357	ENSG00000131966.14	746.4161	0.026921	0.184882	0.145612	0.884228	0.989128
4634	ENSG00000134748.13	1310.745	0.024034	0.165055	0.14561	0.884229	0.989128
10190	ENSG00000204396.11	491.6067	0.031525	0.216586	0.145555	0.884273	0.989128
2374	ENSG00000107282.8	385.0825	-0.03428	0.235552	-0.14554	0.884282	0.989128
41	ENSG00000004700.16	625.0024	-0.02953	0.203197	-0.14531	0.884467	0.989166
2158	ENSG00000105229.7	1981.173	-0.02336	0.160837	-0.14524	0.884518	0.989166
6614	ENSG00000158615.9	1484.321	0.023924	0.165106	0.144903	0.884787	0.989166
3299	ENSG00000117748.10	1141.299	-0.02769	0.191216	-0.1448	0.884868	0.989166
751	ENSG00000068615.19	1483.951	-0.02575	0.177851	-0.14478	0.884882	0.989166
10473	ENSG00000218739.10	1116.651	0.024635	0.170182	0.144759	0.884901	0.989166
2332	ENSG00000106635.8	1889.631	-0.02267	0.156862	-0.14449	0.88511	0.989166
8238	ENSG00000172340.15	279.5415	-0.0364	0.251926	-0.14448	0.885124	0.989166
9035	ENSG00000182199.11	6278.95	0.020958	0.145129	0.144409	0.885178	0.989166
10878	ENSG00000250742.4	692.9706	0.027205	0.188573	0.144269	0.885288	0.989166
7557	ENSG00000166801.16	490.8661	-0.02955	0.205327	-0.1439	0.88558	0.989166

6414	ENSG00000155755.19	534.8182	0.028196	0.195962	0.143885	0.885591	0.989166
1352	ENSG00000090686.16	1291.932	0.023448	0.16308	0.143782	0.885673	0.989166
1306	ENSG00000089220.5	3362.326	-0.02357	0.164037	-0.1437	0.885734	0.989166
10641	ENSG00000234171.3	388.2868	0.033006	0.229892	0.143571	0.885839	0.989166
1344	ENSG00000090520.11	2278.272	0.022635	0.157732	0.143501	0.885895	0.989166
7064	ENSG00000163541.12	1039.353	-0.02709	0.188972	-0.14336	0.886007	0.989166
6286	ENSG00000153767.10	177.8156	0.040618	0.283503	0.143271	0.886076	0.989166
6907	ENSG00000162384.14	616.2814	-0.02695	0.188229	-0.14319	0.886139	0.989166
6551	ENSG00000157764.14	968.9655	0.025647	0.179692	0.142726	0.886507	0.989166
11209	ENSG00000273841.5	1143.545	0.027073	0.189861	0.142596	0.886609	0.989166
8232	ENSG00000172273.13	487.9542	-0.03001	0.210471	-0.14258	0.886622	0.989166
4405	ENSG00000132467.4	600.4126	0.02826	0.198356	0.142469	0.886709	0.989166
1937	ENSG00000103043.15	4252.895	0.022169	0.155616	0.142462	0.886715	0.989166
1802	ENSG00000101489.20	3064.203	-0.02487	0.174667	-0.14239	0.886773	0.989166
2891	ENSG00000113448.19	377.1695	-0.03216	0.225907	-0.14238	0.886779	0.989166
6360	ENSG00000154832.15	1947.166	0.026237	0.184277	0.14238	0.88678	0.989166
10397	ENSG00000214046.8	1128.122	-0.02423	0.170225	-0.14233	0.886818	0.989166
7333	ENSG00000165175.15	4607.3	-0.02128	0.149522	-0.14231	0.886835	0.989166
585	ENSG00000061987.16	811.6091	-0.02792	0.196751	-0.14192	0.887143	0.989179
7281	ENSG00000164808.17	1210.622	0.024851	0.175213	0.141835	0.88721	0.989179
5738	ENSG00000145247.12	892.8415	-0.02557	0.180548	-0.14164	0.887367	0.989179
3441	ENSG00000119865.9	473.0318	-0.02927	0.2067	-0.1416	0.887397	0.989179
2318	ENSG00000106554.13	1817.674	0.022641	0.159911	0.141587	0.887406	0.989179
5869	ENSG00000147121.16	378.0931	-0.02998	0.212093	-0.14136	0.887585	0.989179
3068	ENSG00000115484.15	2961.219	0.021406	0.151535	0.141261	0.887664	0.989179
3478	ENSG00000120526.11	268.3363	-0.03385	0.239708	-0.1412	0.887713	0.989179
9633	ENSG00000189227.6	281.6201	0.033844	0.239772	0.141151	0.887751	0.989179
1245	ENSG00000087302.9	1883.085	-0.0221	0.156801	-0.14097	0.887892	0.989179
8951	ENSG00000181019.13	179.6416	0.039109	0.277857	0.140751	0.888067	0.989179
1233	ENSG00000087157.19	900.3518	0.0275	0.19557	0.140614	0.888175	0.989179
7300	ENSG00000164930.12	228.238	-0.03993	0.284166	-0.14053	0.888244	0.989179
2930	ENSG00000113851.14	517.6682	0.032378	0.230549	0.140436	0.888315	0.989179
3717	ENSG00000124193.16	4943.31	-0.02198	0.156673	-0.14026	0.888451	0.989179
5701	ENSG00000144744.17	934.504	0.026853	0.191696	0.140079	0.888597	0.989179
10822	ENSG00000245937.8	248.3843	0.035355	0.252469	0.140036	0.888632	0.989179
9934	ENSG00000198056.15	651.1863	0.027087	0.194129	0.13953	0.889031	0.989179
10031	ENSG00000198721.12	558.246	-0.0287	0.205754	-0.13949	0.889066	0.989179
5741	ENSG00000145321.13	316.6864	0.031834	0.228424	0.139364	0.889162	0.989179
192	ENSG00000011114.15	573.3184	-0.02706	0.194518	-0.1391	0.889372	0.989179
9065	ENSG00000182552.15	571.578	-0.02926	0.210456	-0.13903	0.889428	0.989179
11340	ENSG00000284395.2	177.3825	-0.04807	0.345934	-0.13895	0.889491	0.989179
5247	ENSG00000140006.11	197.8577	-0.03791	0.272866	-0.13892	0.88951	0.989179
9998	ENSG00000198551.10	218.3311	0.035476	0.255523	0.138836	0.889579	0.989179
3727	ENSG00000124226.11	2361.589	0.022031	0.158714	0.138807	0.889602	0.989179
10486	ENSG00000221867.9	1743.5	0.022947	0.165414	0.138724	0.889668	0.989179
4913	ENSG00000136891.14	486.4264	0.03039	0.219126	0.138688	0.889697	0.989179
4556	ENSG00000134001.14	1150.647	-0.02404	0.17345	-0.13857	0.889786	0.989179
7215	ENSG00000164244.21	1296.228	-0.0243	0.175524	-0.13844	0.889892	0.989179
7894	ENSG00000169223.15	5604.546	0.020271	0.146454	0.138409	0.889917	0.989179
2878	ENSG00000113300.13	1023.24	-0.02436	0.176368	-0.13812	0.890146	0.989179
3359	ENSG00000118961.15	680.1866	-0.03499	0.254035	-0.13774	0.890447	0.989179
1255	ENSG00000087995.16	616.4015	-0.0266	0.193705	-0.13734	0.890759	0.989179

10623	ENSG00000232838.4	414.7558	0.02889	0.210372	0.137328	0.890772	0.989179
6413	ENSG00000155754.15	168.0334	0.038719	0.28227	0.13717	0.890896	0.989179
6079	ENSG00000150093.19	9551.111	0.021768	0.158717	0.137151	0.890912	0.989179
10715	ENSG00000240024.5	358.5674	0.029932	0.218329	0.137098	0.890954	0.989179
10048	ENSG00000198783.6	380.995	0.029061	0.213145	0.136343	0.89155	0.989179
4676	ENSG00000135074.16	211.6398	0.035658	0.261579	0.13632	0.891568	0.989179
10367	ENSG00000213676.13	2737.937	0.02212	0.162275	0.136313	0.891574	0.989179
9176	ENSG00000183722.9	284.8159	0.031753	0.233004	0.136276	0.891603	0.989179
7422	ENSG00000165813.20	315.7851	-0.03325	0.244016	-0.13625	0.891626	0.989179
11095	ENSG00000266967.7	664.0436	0.026288	0.192976	0.136222	0.891645	0.989179
5134	ENSG00000138698.15	716.187	0.027987	0.205495	0.136192	0.89167	0.989179
11346	ENSG00000284779.2	530.4167	0.109162	0.803064	0.135931	0.891875	0.989179
2723	ENSG00000111665.11	830.7736	-0.02655	0.195395	-0.13587	0.891926	0.989179
8073	ENSG00000170837.3	971.5571	0.023286	0.171402	0.135857	0.891934	0.989179
8702	ENSG00000177576.12	281.2092	0.034528	0.2544	0.135724	0.89204	0.989179
763	ENSG00000068971.14	1540.228	-0.02605	0.192028	-0.13564	0.892108	0.989179
780	ENSG00000070010.19	1375.147	0.023091	0.170445	0.135475	0.892236	0.989179
4692	ENSG00000135249.8	445.8736	-0.02871	0.211992	-0.13542	0.89228	0.989179
6939	ENSG00000162639.16	386.7114	0.028678	0.211941	0.135311	0.892366	0.989179
10633	ENSG00000233327.11	221.1207	0.040344	0.298199	0.135292	0.892381	0.989179
1048	ENSG00000079689.14	5416.208	-0.02582	0.190897	-0.13523	0.892428	0.989179
1464	ENSG00000096401.8	1810.532	-0.02177	0.161047	-0.13517	0.892476	0.989179
3634	ENSG00000122952.17	1087.84	0.023019	0.170411	0.135077	0.892551	0.989179
4868	ENSG00000136631.15	958.8497	-0.02332	0.172824	-0.13493	0.892664	0.989179
3186	ENSG00000116663.11	160.7386	0.0402	0.298062	0.13487	0.892715	0.989179
1413	ENSG00000092850.12	196.8225	0.035584	0.264008	0.134785	0.892782	0.989179
5794	ENSG00000145945.7	303.4549	0.031148	0.23127	0.134681	0.892864	0.989179
11059	ENSG00000262879.6	604.8176	0.025291	0.187851	0.134636	0.8929	0.989179
4391	ENSG00000132382.15	1878.664	0.022175	0.164718	0.134626	0.892907	0.989179
7574	ENSG00000166902.5	339.9434	-0.03012	0.223736	-0.13462	0.892913	0.989179
6834	ENSG00000161249.21	353.8674	-0.03227	0.239927	-0.13451	0.892999	0.989179
10396	ENSG00000214039.9	166.8131	0.04106	0.305302	0.13449	0.893015	0.989179
897	ENSG00000074266.21	347.8952	0.031264	0.232542	0.134444	0.893051	0.989179
3035	ENSG00000115239.24	228.5162	-0.03384	0.251845	-0.13438	0.893102	0.989179
2802	ENSG00000112305.15	1211.217	-0.02219	0.165225	-0.1343	0.893167	0.989179
2904	ENSG00000113594.10	268.198	0.043887	0.326832	0.134281	0.89318	0.989179
5763	ENSG00000145569.6	1796.991	-0.02524	0.188083	-0.13422	0.893229	0.989179
11000	ENSG00000259943.1	348.0463	0.029608	0.220673	0.13417	0.893268	0.989179
2175	ENSG00000105341.19	1683.284	0.021899	0.163476	0.133959	0.893435	0.989179
7018	ENSG00000163251.4	1524.338	-0.02291	0.171195	-0.1338	0.893561	0.989179
5399	ENSG00000141564.15	2300.627	0.022234	0.166259	0.13373	0.893616	0.989179
2096	ENSG00000104763.20	1667.993	-0.02457	0.18375	-0.13372	0.893621	0.989179
4496	ENSG00000133195.11	686.9305	0.029374	0.219748	0.133671	0.893663	0.989179
2256	ENSG00000105879.12	821.792	0.025262	0.189122	0.133577	0.893737	0.989179
153	ENSG00000008405.12	649.239	-0.02505	0.187559	-0.13356	0.893747	0.989179
1857	ENSG00000102103.17	3214.098	0.020277	0.151882	0.133502	0.893797	0.989179
7203	ENSG00000164176.13	1448.349	-0.02506	0.187949	-0.13334	0.893926	0.989226
6757	ENSG00000160336.15	167.9114	-0.03813	0.286574	-0.13305	0.894152	0.98938
2071	ENSG00000104450.13	260.5482	-0.03377	0.25471	-0.13257	0.894537	0.989657
4776	ENSG00000135870.12	521.1996	-0.02693	0.203367	-0.13244	0.894633	0.989657
2782	ENSG00000112149.10	265.2287	0.035061	0.2648	0.132406	0.894663	0.989657
3463	ENSG00000120137.7	2852.358	-0.02578	0.195158	-0.13208	0.89492	0.989845

5460	ENSG00000142444.7	517.5462	-0.02663	0.20189	-0.13189	0.89507	0.989914
1200	ENSG00000085999.13	686.4478	0.025893	0.196488	0.131778	0.89516	0.989918
338	ENSG00000031823.14	2807.88	-0.02027	0.15413	-0.13152	0.895365	0.989936
5151	ENSG00000138780.15	240.472	0.036279	0.2759	0.131493	0.895385	0.989936
6399	ENSG00000155380.12	714.1289	0.02987	0.227431	0.131338	0.895508	0.989936
3524	ENSG00000120963.12	996.0875	0.022893	0.174516	0.131182	0.895631	0.989936
4705	ENSG00000135341.18	714.0239	-0.02412	0.183988	-0.13107	0.895719	0.989936
3841	ENSG00000125746.17	1481.637	-0.02123	0.162108	-0.13093	0.895829	0.989936
8544	ENSG00000175582.20	2076.8	0.02413	0.184509	0.13078	0.895949	0.989936
778	ENSG00000069974.16	711.5979	0.026191	0.200421	0.13068	0.896028	0.989936
9403	ENSG00000185917.14	303.9769	-0.03172	0.242793	-0.13065	0.89605	0.989936
6123	ENSG00000151229.13	955.3397	-0.02842	0.217712	-0.13055	0.896129	0.989936
1126	ENSG00000083312.17	2388.932	-0.02878	0.22049	-0.13055	0.896132	0.989936
2990	ENSG00000114744.9	628.8968	0.02886	0.221582	0.130246	0.896372	0.990063
3525	ENSG00000120992.18	963.7718	0.027328	0.210029	0.130117	0.896474	0.990063
10431	ENSG00000214944.9	647.3657	-0.02404	0.184841	-0.13006	0.896517	0.990063
1164	ENSG00000084733.11	3023.139	-0.02358	0.181606	-0.12986	0.896674	0.990063
4562	ENSG00000134056.12	466.4994	0.027486	0.211758	0.129797	0.896727	0.990063
8621	ENSG00000176542.10	347.3093	0.030395	0.234355	0.129695	0.896808	0.990063
2	ENSG00000000457.14	227.0138	-0.0363	0.280106	-0.12958	0.896895	0.990063
172	ENSG00000010072.16	158.1474	0.039035	0.301565	0.12944	0.897009	0.990063
1648	ENSG00000100483.14	164.8406	0.036284	0.280372	0.129412	0.897032	0.990063
9929	ENSG00000198042.11	337.3529	-0.02845	0.2204	-0.12907	0.897305	0.990063
3550	ENSG00000121542.12	273.8925	-0.03138	0.243276	-0.12898	0.897373	0.990063
10250	ENSG00000205213.14	715.2043	-0.02583	0.200446	-0.12887	0.897459	0.990063
4046	ENSG00000128567.17	429.8003	0.031164	0.241935	0.128813	0.897506	0.990063
11282	ENSG00000278311.5	1720.928	-0.02092	0.162625	-0.12861	0.897662	0.990063
10870	ENSG00000250387.3	245.3089	0.031407	0.244404	0.128504	0.89775	0.990063
5606	ENSG00000143756.12	518.6222	0.02563	0.199549	0.128437	0.897803	0.990063
7059	ENSG00000163528.13	223.0045	0.03253	0.253384	0.128381	0.897847	0.990063
10618	ENSG00000232388.5	680.501	0.025764	0.201376	0.127939	0.898197	0.990063
6207	ENSG00000152332.16	913.3032	0.031266	0.244452	0.127904	0.898225	0.990063
2091	ENSG00000104723.21	5520.772	-0.0188	0.146985	-0.12789	0.898235	0.990063
3163	ENSG00000116353.16	262.2031	0.035016	0.273884	0.12785	0.898268	0.990063
6943	ENSG00000162687.18	269.5653	-0.03129	0.244867	-0.1278	0.898308	0.990063
8455	ENSG00000174718.12	239.4782	-0.03134	0.245282	-0.12778	0.898323	0.990063
1398	ENSG00000092148.13	2145.118	-0.0206	0.161401	-0.12765	0.898422	0.990063
8585	ENSG00000176124.15	357.4956	-0.03017	0.236513	-0.12758	0.898485	0.990063
3105	ENSG00000115840.14	331.8756	0.029666	0.232589	0.127546	0.898508	0.990063
741	ENSG00000068305.17	937.5328	0.023898	0.1879	0.127187	0.898792	0.99015
9370	ENSG00000185619.18	1349.927	-0.02089	0.164321	-0.12712	0.898845	0.99015
2625	ENSG00000110321.18	18681.93	0.020697	0.162815	0.127117	0.898848	0.99015
8150	ENSG00000171453.20	371.8799	-0.02924	0.230718	-0.12674	0.899146	0.990346
3384	ENSG00000119396.11	2769.353	0.019951	0.157503	0.126672	0.8992	0.990346
2995	ENSG00000114784.4	1513.93	-0.02017	0.160178	-0.12591	0.899804	0.990705
10703	ENSG00000239305.7	1004.326	-0.02222	0.176722	-0.12574	0.899937	0.990705
7878	ENSG00000169122.11	466.7213	-0.02632	0.209357	-0.12574	0.899939	0.990705
357	ENSG00000034713.8	1889.754	0.020229	0.160918	0.125707	0.899964	0.990705
1253	ENSG00000087842.11	167.722	0.036526	0.290588	0.125697	0.899972	0.990705
1172	ENSG00000085231.14	372.8583	0.027226	0.216765	0.125602	0.900047	0.990705
9277	ENSG00000184857.8	511.5011	-0.02456	0.196178	-0.12518	0.900381	0.990976
10273	ENSG00000205572.10	681.7977	0.023853	0.19089	0.124958	0.900557	0.991074

10120	ENSG00000198961.10	1914.608	0.024352	0.195452	0.124594	0.900845	0.991184
6013	ENSG00000149179.14	1834.101	0.019736	0.158406	0.124593	0.900846	0.991184
7365	ENSG00000165443.12	1146.556	-0.02083	0.167552	-0.12431	0.901073	0.991184
1593	ENSG00000100288.20	1040.45	0.021555	0.173481	0.124249	0.901118	0.991184
6536	ENSG00000157514.16	2780.034	-0.01975	0.159134	-0.12408	0.901249	0.991184
4269	ENSG00000131002.12	339.3653	0.031559	0.254368	0.124068	0.901262	0.991184
4270	ENSG00000131013.4	467.7403	0.025428	0.205129	0.12396	0.901347	0.991184
7597	ENSG00000167081.18	2677.725	-0.01959	0.158062	-0.12395	0.901353	0.991184
3657	ENSG00000123213.23	318.3633	-0.0286	0.23099	-0.12381	0.901466	0.991208
5264	ENSG00000140284.11	846.1479	0.026384	0.213596	0.123523	0.901693	0.991208
4002	ENSG00000127870.17	708.326	0.027047	0.21922	0.123377	0.901809	0.991208
7663	ENSG00000167553.16	3453.942	0.018777	0.152342	0.123255	0.901905	0.991208
7146	ENSG00000163950.13	2330.035	-0.01951	0.158868	-0.12281	0.902255	0.991208
3132	ENSG00000116106.12	221.0784	-0.0312	0.254282	-0.1227	0.902348	0.991208
5903	ENSG00000147535.17	1284.311	-0.02032	0.165611	-0.12269	0.902356	0.991208
1965	ENSG00000103226.18	1932.592	-0.02126	0.173545	-0.12248	0.902515	0.991208
5147	ENSG00000138768.15	1422.924	0.019999	0.163453	0.122353	0.90262	0.991208
8769	ENSG00000178307.10	625.3397	-0.02298	0.187878	-0.12232	0.902647	0.991208
6418	ENSG00000155827.12	1191.958	0.020364	0.166486	0.122317	0.902648	0.991208
6104	ENSG00000150938.10	514.1172	-0.03022	0.24708	-0.1223	0.902659	0.991208
7058	ENSG00000163527.10	3556.725	0.025841	0.211344	0.122268	0.902687	0.991208
11175	ENSG00000272578.5	237.7735	-0.03615	0.296321	-0.12201	0.902894	0.991208
11065	ENSG00000263731.1	257.7706	0.036646	0.300546	0.12193	0.902955	0.991208
3361	ENSG00000118985.16	2177.339	0.020023	0.164273	0.121887	0.902988	0.991208
10928	ENSG00000255302.5	4192.464	0.01852	0.152015	0.121828	0.903035	0.991208
2861	ENSG00000112996.11	709.6084	0.022397	0.184016	0.121714	0.903125	0.991208
9169	ENSG00000183665.5	323.5768	0.028241	0.23209	0.121681	0.903152	0.991208
8607	ENSG00000176407.18	1022.355	-0.02242	0.184378	-0.12161	0.903207	0.991208
3476	ENSG00000120458.13	286.959	-0.02856	0.234984	-0.12155	0.903251	0.991208
5487	ENSG00000142751.15	1137.879	-0.02128	0.175215	-0.12144	0.903345	0.991208
1130	ENSG00000083535.16	296.6916	-0.03039	0.250846	-0.12114	0.903579	0.991208
8822	ENSG00000179029.15	436.5008	-0.0258	0.213191	-0.12102	0.903675	0.991208
6498	ENSG00000156973.14	593.0997	0.023633	0.195365	0.120971	0.903714	0.991208
1888	ENSG00000102554.14	595.0125	-0.02434	0.201183	-0.12096	0.90372	0.991208
8879	ENSG00000179915.24	922.0598	-0.02135	0.1765	-0.12096	0.903726	0.991208
10576	ENSG00000228315.12	644.9373	0.028248	0.233836	0.120801	0.903848	0.991247
7908	ENSG00000169371.14	218.1002	-0.03046	0.253094	-0.12036	0.904195	0.991322
5138	ENSG00000138744.16	408.037	-0.02776	0.230683	-0.12033	0.904223	0.991322
5588	ENSG00000143614.10	2212.18	0.02057	0.170963	0.12032	0.904229	0.991322
9265	ENSG00000184669.9	256.8708	-0.03133	0.260497	-0.12028	0.904265	0.991322
854	ENSG00000072401.15	381.8975	-0.02757	0.229887	-0.11993	0.904538	0.991391
2435	ENSG00000108010.12	467.0695	-0.02559	0.213394	-0.11992	0.904546	0.991391
5894	ENSG00000147421.18	298.5111	0.031986	0.267395	0.119621	0.904784	0.991391
9314	ENSG00000185127.6	523.6245	0.023852	0.199414	0.119612	0.90479	0.991391
10335	ENSG00000213246.7	1221.563	0.021699	0.181632	0.119466	0.904906	0.991391
7584	ENSG00000166949.16	576.8427	-0.02777	0.232613	-0.11938	0.904975	0.991391
8737	ENSG00000177932.7	401.4566	0.02613	0.218908	0.119367	0.904985	0.991391
508	ENSG00000054654.19	3325.443	0.019961	0.167413	0.11923	0.905093	0.991391
2354	ENSG00000106976.21	5061.837	-0.01769	0.148468	-0.11915	0.905158	0.991391
10182	ENSG00000204370.13	1121.453	-0.02039	0.171289	-0.11904	0.905244	0.991391
3277	ENSG00000117569.19	561.6321	0.02433	0.204584	0.118924	0.905335	0.991391
10793	ENSG00000243943.10	1275.77	-0.02511	0.211229	-0.11888	0.905372	0.991391

9828	ENSG00000197256.10	993.568	-0.02012	0.17029	-0.11815	0.905953	0.991901
2448	ENSG00000108179.14	2277.669	-0.01817	0.153897	-0.11805	0.90603	0.991901
5709	ENSG00000144824.21	1635.148	-0.02016	0.171087	-0.11784	0.906198	0.991901
1184	ENSG00000085563.15	1333.252	0.019477	0.165414	0.117744	0.90627	0.991901
10867	ENSG00000250251.6	924.7907	0.0249	0.212088	0.117405	0.906539	0.991901
5544	ENSG00000143353.12	161.0487	0.036569	0.311605	0.117357	0.906577	0.991901
6076	ENSG00000149930.18	4382.305	0.020226	0.172449	0.117289	0.906631	0.991901
9085	ENSG00000182796.14	345.4929	-0.02716	0.231661	-0.11722	0.906683	0.991901
925	ENSG00000075239.14	753.518	-0.02108	0.179831	-0.1172	0.906701	0.991901
4520	ENSG00000133606.11	2482.688	-0.02237	0.190859	-0.11719	0.906709	0.991901
1187	ENSG00000085719.13	1164.986	-0.02713	0.232276	-0.11681	0.907008	0.992065
3671	ENSG00000123416.15	37144.76	-0.01727	0.148476	-0.11633	0.907391	0.992065
3324	ENSG00000118271.12	23935.6	0.020332	0.175044	0.116152	0.907532	0.992065
4385	ENSG00000132330.18	461.0818	-0.02481	0.213752	-0.11609	0.907583	0.992065
2060	ENSG00000104369.5	255.128	0.028979	0.250141	0.115852	0.907769	0.992065
3880	ENSG00000125962.14	249.439	0.034627	0.299125	0.115761	0.907842	0.992065
3107	ENSG00000115875.19	1986.549	0.018123	0.156616	0.115713	0.90788	0.992065
4007	ENSG00000127947.16	464.3095	0.02349	0.203076	0.115672	0.907913	0.992065
5007	ENSG00000137710.17	1811.597	0.022514	0.194641	0.115669	0.907915	0.992065
2125	ENSG00000104957.14	1022.044	-0.02269	0.196211	-0.11563	0.90795	0.992065
5110	ENSG00000138587.6	345.7362	0.026898	0.232976	0.115452	0.908087	0.992065
4476	ENSG00000133030.22	3992.064	-0.01799	0.155861	-0.11543	0.908108	0.992065
10490	ENSG00000221909.3	206.853	-0.03163	0.274081	-0.11541	0.908124	0.992065
798	ENSG00000070444.15	1322.888	-0.01951	0.169293	-0.11525	0.908246	0.992065
5398	ENSG00000141562.18	1412.346	-0.02149	0.186526	-0.11522	0.908268	0.992065
4914	ENSG00000136897.8	304.0177	0.029467	0.25577	0.11521	0.908279	0.992065
1107	ENSG00000082438.17	583.8414	-0.02232	0.193853	-0.11513	0.90834	0.992065
6696	ENSG00000159733.14	337.0088	0.025801	0.224867	0.114739	0.908652	0.992105
2105	ENSG00000104852.15	7367.056	-0.0174	0.151708	-0.1147	0.908682	0.992105
11371	ENSG00000286140.1	606.9833	-0.02804	0.244702	-0.11459	0.908772	0.992105
400	ENSG00000041357.16	1882.272	0.021171	0.184826	0.114548	0.908803	0.992105
2415	ENSG00000107854.6	1279.788	-0.02134	0.186449	-0.11445	0.908884	0.992105
8129	ENSG00000171291.8	252.2224	0.029398	0.257067	0.114359	0.908953	0.992105
2564	ENSG00000109472.14	26712.86	0.017461	0.152742	0.114316	0.908987	0.992105
10610	ENSG00000231607.12	315.3667	0.026309	0.230786	0.114	0.909238	0.992259
4651	ENSG00000134874.18	889.8468	-0.02	0.175562	-0.11392	0.909302	0.992259
1252	ENSG00000087586.17	1451.624	0.019357	0.170906	0.11326	0.909824	0.992483
3909	ENSG00000126249.8	258.5824	-0.02735	0.242303	-0.11286	0.910139	0.992483
8633	ENSG00000176783.15	1294.441	-0.01875	0.166456	-0.11265	0.910306	0.992483
4080	ENSG00000128944.13	794.5607	0.021439	0.190398	0.112602	0.910346	0.992483
7222	ENSG00000164292.13	3662.646	-0.01845	0.163991	-0.11251	0.910419	0.992483
9538	ENSG00000187994.14	340.1169	-0.03062	0.272395	-0.11241	0.910498	0.992483
6672	ENSG00000159348.13	1411.063	-0.01827	0.16256	-0.1124	0.910504	0.992483
10893	ENSG00000253368.4	2753.654	0.018484	0.164549	0.112333	0.91056	0.992483
9089	ENSG00000182831.12	1979.017	-0.01861	0.165731	-0.11227	0.910606	0.992483
134	ENSG00000007866.21	165.6981	0.031438	0.280195	0.112201	0.910664	0.992483
2291	ENSG00000106299.8	3560.581	-0.01757	0.156951	-0.11196	0.910858	0.992483
3904	ENSG00000126218.12	1211.395	-0.02161	0.193228	-0.11184	0.91095	0.992483
290	ENSG00000022840.16	4415.421	0.020489	0.183211	0.111832	0.910956	0.992483
11197	ENSG00000273314.1	159.374	-0.03221	0.289427	-0.11129	0.911389	0.992483
2708	ENSG00000111530.13	2667.373	-0.0219	0.196899	-0.11124	0.911422	0.992483
597	ENSG00000063046.18	7343.672	-0.01968	0.176945	-0.11121	0.91145	0.992483

1726	ENSG00000101003.10	552.8462	0.022762	0.204747	0.111174	0.911479	0.992483
8220	ENSG00000172113.9	421.3929	-0.02291	0.206361	-0.11102	0.911601	0.992483
3969	ENSG00000127314.18	1803.712	0.019269	0.173566	0.111017	0.911603	0.992483
8932	ENSG00000180776.16	957.7814	0.025488	0.229666	0.11098	0.911632	0.992483
693	ENSG00000066651.20	189.0643	0.030487	0.275801	0.110542	0.91198	0.992483
6721	ENSG00000160124.9	195.3981	0.031348	0.284498	0.110188	0.91226	0.992483
59	ENSG00000005175.10	592.5308	-0.02307	0.209416	-0.11014	0.912297	0.992483
10542	ENSG00000225648.5	178.2429	-0.03026	0.274775	-0.11014	0.912299	0.992483
3545	ENSG00000121413.13	1615.785	-0.02019	0.183752	-0.10987	0.912516	0.992483
3282	ENSG00000117598.13	277.0069	-0.02844	0.258934	-0.10982	0.912552	0.992483
1425	ENSG00000093183.14	1011.263	-0.01996	0.182226	-0.10951	0.9128	0.992483
9259	ENSG00000184613.11	501.4828	-0.02293	0.209817	-0.10929	0.912974	0.992483
2407	ENSG00000107789.16	720.2699	0.020333	0.186126	0.109244	0.913009	0.992483
3431	ENSG00000119771.15	896.3533	-0.01939	0.177847	-0.10905	0.913161	0.992483
3017	ENSG00000115073.8	2493.439	0.016584	0.152127	0.109015	0.913191	0.992483
5885	ENSG00000147274.14	4090.116	0.016645	0.152728	0.108984	0.913215	0.992483
10718	ENSG00000240225.10	334.9407	0.030752	0.282407	0.108891	0.913289	0.992483
10484	ENSG00000221838.10	938.4025	0.019662	0.180774	0.108767	0.913387	0.992483
11141	ENSG00000269958.1	169.671	0.031589	0.290473	0.108751	0.9134	0.992483
8770	ENSG00000178338.11	232.7988	-0.02778	0.255629	-0.10868	0.913456	0.992483
10948	ENSG00000256646.7	365.9338	0.024619	0.226986	0.108463	0.913629	0.992483
10982	ENSG00000258890.7	517.4533	0.022305	0.206259	0.108142	0.913883	0.992483
7071	ENSG00000163602.10	2234.61	-0.01812	0.167703	-0.10804	0.913967	0.992483
2446	ENSG00000108175.17	8458.448	0.016489	0.152974	0.107791	0.914161	0.992483
6991	ENSG00000163006.12	194.8318	-0.02947	0.273477	-0.10775	0.914192	0.992483
56	ENSG00000005075.15	1285.782	0.017675	0.164342	0.10755	0.914353	0.992483
10545	ENSG00000225733.6	2876.036	-0.01915	0.17809	-0.10754	0.914361	0.992483
10208	ENSG00000204574.13	3980.332	-0.0169	0.157261	-0.10745	0.914434	0.992483
178	ENSG00000010295.19	1156.895	0.019018	0.177127	0.10737	0.914495	0.992483
11072	ENSG00000264538.6	391.0916	0.024259	0.226412	0.107143	0.914675	0.992483
5226	ENSG00000139687.16	2108.248	-0.01751	0.163526	-0.10708	0.914722	0.992483
4924	ENSG00000136940.14	323.0587	0.025987	0.24317	0.106869	0.914893	0.992483
8352	ENSG00000173557.15	203.7809	-0.02917	0.273769	-0.10654	0.91515	0.992483
120	ENSG00000007062.12	285.2623	-0.08388	0.788374	-0.1064	0.915268	0.992483
1304	ENSG00000089195.15	734.1634	0.019259	0.181651	0.10602	0.915567	0.992483
9348	ENSG00000185436.12	383.371	0.024812	0.234541	0.105789	0.91575	0.992483
4755	ENSG00000135709.12	914.9076	0.019411	0.18377	0.105624	0.91588	0.992483
3900	ENSG00000126214.21	1881.145	0.018447	0.174678	0.105605	0.915896	0.992483
2183	ENSG00000105397.14	3658.948	-0.02021	0.19178	-0.10536	0.916091	0.992483
8207	ENSG00000171988.19	914.5043	0.019312	0.183426	0.105285	0.916149	0.992483
7687	ENSG00000167699.13	1523.869	-0.01785	0.169642	-0.10524	0.916189	0.992483
1474	ENSG00000097033.14	2030.479	-0.01699	0.1616	-0.10514	0.916264	0.992483
4795	ENSG00000135974.10	291.9674	0.026037	0.247723	0.105105	0.916292	0.992483
3738	ENSG00000124374.9	311.6547	-0.02418	0.230128	-0.10509	0.916308	0.992483
5392	ENSG00000141542.11	289.7552	0.02539	0.241646	0.105072	0.916319	0.992483
8025	ENSG00000170382.12	1006.779	0.021419	0.204027	0.10498	0.916392	0.992483
889	ENSG00000073803.14	500.3186	0.022032	0.209901	0.104963	0.916405	0.992483
9218	ENSG00000184164.15	1527.875	0.016811	0.160159	0.104962	0.916406	0.992483
6295	ENSG00000153896.19	194.17	0.028282	0.26957	0.104914	0.916444	0.992483
5670	ENSG00000144451.19	631.3689	-0.01958	0.186738	-0.10483	0.916508	0.992483
11387	ENSG00000288558.2	235.606	0.025868	0.246848	0.104793	0.91654	0.992483
4689	ENSG00000135211.6	296.4907	-0.02465	0.235666	-0.10462	0.91668	0.992483

1639	ENSG00000100433.16	160.3078	-0.03444	0.329501	-0.10451	0.916761	0.992483
852	ENSG00000072310.17	30344.16	-0.01884	0.18024	-0.10451	0.916763	0.992483
6606	ENSG00000158480.11	687.053	-0.01951	0.186801	-0.10443	0.916831	0.992483
456	ENSG00000049323.16	162.9651	0.030957	0.296504	0.104406	0.916847	0.992483
8518	ENSG00000175283.8	1514.15	-0.01745	0.167177	-0.10441	0.916847	0.992483
4580	ENSG00000134222.16	485.9075	0.021181	0.202998	0.104341	0.916898	0.992483
6252	ENSG00000153037.15	787.0839	0.019725	0.189738	0.103961	0.9172	0.992483
8383	ENSG00000173852.15	626.2777	-0.02202	0.212182	-0.10379	0.917339	0.992483
487	ENSG00000052749.14	947.5788	0.020029	0.193335	0.103596	0.91749	0.992483
1716	ENSG00000100934.15	523.3217	-0.02317	0.223708	-0.10359	0.917492	0.992483
7629	ENSG00000167315.18	812.4093	0.018569	0.179272	0.103579	0.917504	0.992483
1682	ENSG00000100697.15	1962.329	-0.01993	0.192625	-0.10348	0.917579	0.992483
10977	ENSG00000258643.5	214.0302	-0.02898	0.280243	-0.1034	0.917648	0.992483
4818	ENSG00000136156.15	5873.916	-0.01488	0.144186	-0.10318	0.917819	0.992483
4799	ENSG00000136021.19	953.064	0.020691	0.200818	0.103035	0.917935	0.992483
7327	ENSG00000165119.21	7559.789	0.018162	0.176329	0.103003	0.917961	0.992483
2148	ENSG00000105176.18	852.2713	0.018166	0.176409	0.102975	0.917983	0.992483
7249	ENSG00000164506.14	1008.291	-0.02053	0.199534	-0.10291	0.918038	0.992483
4153	ENSG00000130066.16	1641.14	-0.01688	0.164215	-0.10282	0.918106	0.992483
3492	ENSG00000120693.14	323.1423	-0.02289	0.223448	-0.10245	0.918401	0.992483
3785	ENSG00000125124.13	640.5774	-0.01942	0.189773	-0.10234	0.918483	0.992483
8781	ENSG00000178538.10	620.9989	0.022229	0.217279	0.102306	0.918513	0.992483
10707	ENSG00000239521.9	803.8732	-0.01938	0.189715	-0.10217	0.918619	0.992483
2587	ENSG00000109805.10	1194.41	0.017323	0.169597	0.102145	0.918642	0.992483
3178	ENSG00000116574.6	240.2606	0.028397	0.278014	0.102141	0.918644	0.992483
687	ENSG00000066422.5	559.17	0.019722	0.193117	0.102123	0.918659	0.992483
7535	ENSG00000166575.17	687.7145	-0.02282	0.22356	-0.10208	0.918691	0.992483
6681	ENSG00000159459.12	801.2768	-0.01975	0.193545	-0.10203	0.918736	0.992483
3504	ENSG00000120756.13	936.5736	-0.02105	0.206309	-0.10203	0.918736	0.992483
1586	ENSG00000100246.13	312.0945	-0.02422	0.237616	-0.10193	0.918814	0.992483
7469	ENSG00000166173.11	392.4473	0.021923	0.215266	0.10184	0.918883	0.992483
6921	ENSG00000162441.12	869.2055	0.019214	0.188793	0.101771	0.918939	0.992483
1382	ENSG00000091651.9	462.3061	0.020626	0.202843	0.101684	0.919008	0.992483
7090	ENSG00000163683.12	343.3174	-0.02743	0.270059	-0.10156	0.919103	0.992483
5874	ENSG00000147140.16	11975.97	-0.01644	0.161989	-0.10146	0.919187	0.992483
8715	ENSG00000177683.14	702.4166	-0.02494	0.245951	-0.10141	0.919228	0.992483
6396	ENSG00000155363.18	2659.416	-0.017	0.168152	-0.1011	0.919475	0.992483
4088	ENSG00000129055.12	1455.902	-0.01645	0.162874	-0.10103	0.919528	0.992483
541	ENSG00000057935.14	1062.839	-0.01732	0.171578	-0.10095	0.919592	0.992483
380	ENSG00000038210.14	620.9338	0.019177	0.190024	0.100918	0.919615	0.992483
10600	ENSG00000230551.4	307.7727	0.022793	0.226142	0.100792	0.919716	0.992483
10492	ENSG00000221944.9	211.2374	-0.02691	0.267155	-0.10074	0.919758	0.992483
7244	ENSG00000164465.19	745.2662	0.018895	0.187788	0.100618	0.919854	0.992483
2569	ENSG00000109534.17	253.3566	0.025471	0.253515	0.10047	0.919971	0.992483
4737	ENSG00000135541.21	535.6635	0.022762	0.22692	0.100309	0.920099	0.992483
11023	ENSG00000260804.3	429.1778	0.020799	0.207726	0.100128	0.920243	0.992483
4439	ENSG00000132698.15	1173.338	-0.0171	0.170801	-0.1001	0.920263	0.992483
5695	ENSG00000144677.15	1346.281	-0.01825	0.182601	-0.09995	0.920386	0.992483
6847	ENSG00000161558.11	470.7679	0.023922	0.239367	0.099939	0.920393	0.992483
10544	ENSG00000225697.13	1561.847	-0.01889	0.189214	-0.09983	0.920476	0.992483
5835	ENSG00000146555.19	2455.164	0.018553	0.185866	0.09982	0.920487	0.992483
3690	ENSG00000123728.10	386.1815	-0.02124	0.213371	-0.09957	0.920688	0.992483

1323	ENSG00000089820.16	502.9393	0.021734	0.218376	0.099528	0.920719	0.992483
9300	ENSG00000185019.17	972.3848	0.017837	0.180125	0.099028	0.921116	0.992483
5375	ENSG00000141429.13	1158.521	0.020625	0.208282	0.099025	0.921119	0.992483
8399	ENSG00000174013.8	673.7989	0.019098	0.192997	0.098955	0.921174	0.992483
3865	ENSG00000125851.10	21561	0.014605	0.147901	0.098748	0.921338	0.992483
6530	ENSG00000157399.16	1042.028	-0.01858	0.188193	-0.09874	0.921344	0.992483
9754	ENSG00000196715.7	1109.216	0.019509	0.197685	0.098687	0.921387	0.992483
7749	ENSG00000168092.14	1577.486	0.019035	0.192984	0.098637	0.921427	0.992483
7011	ENSG00000163162.9	497.3544	-0.01981	0.200971	-0.09858	0.921469	0.992483
6787	ENSG00000160741.17	1501.109	0.016946	0.171947	0.098553	0.921493	0.992483
6346	ENSG00000154642.11	240.1521	0.029741	0.30307	0.098132	0.921827	0.992483
4537	ENSG00000133789.15	577.834	0.019434	0.198052	0.098127	0.921832	0.992483
7555	ENSG00000166794.5	9569.699	0.015616	0.15945	0.097936	0.921983	0.992483
1381	ENSG00000091640.8	853.6036	0.017219	0.175838	0.097928	0.92199	0.992483
146	ENSG00000008283.16	3861.212	-0.0145	0.148254	-0.09777	0.922114	0.992483
7474	ENSG00000166199.13	448.3184	-0.02104	0.215469	-0.09763	0.922229	0.992483
10428	ENSG00000214753.4	4206.252	-0.0167	0.171112	-0.0976	0.922248	0.992483
9637	ENSG00000189308.11	595.0779	-0.01962	0.201216	-0.09753	0.922309	0.992483
6686	ENSG00000159593.15	987.8305	-0.0168	0.172323	-0.0975	0.922333	0.992483
2983	ENSG00000114686.9	1450.125	-0.01784	0.183538	-0.09719	0.922576	0.992483
9700	ENSG00000196428.12	452.439	0.019877	0.205098	0.096915	0.922794	0.992483
9669	ENSG00000196235.14	4986.421	-0.01627	0.168175	-0.09674	0.92293	0.992483
8243	ENSG00000172375.13	1726.616	0.016929	0.175076	0.096693	0.922971	0.992483
225	ENSG00000012963.15	1456.89	-0.01729	0.179225	-0.09649	0.923132	0.992483
10363	ENSG00000213626.13	1280.141	0.016727	0.173404	0.096463	0.923153	0.992483
1482	ENSG00000099282.10	822.1838	0.018794	0.1952	0.096281	0.923297	0.992483
7710	ENSG00000167863.12	2207.686	0.014812	0.154112	0.096113	0.923431	0.992483
480	ENSG00000051341.14	289.3098	-0.02226	0.231591	-0.0961	0.923443	0.992483
239	ENSG00000013563.14	503.757	0.01929	0.200805	0.096064	0.923469	0.992483
971	ENSG00000076864.19	4914.045	-0.01558	0.162459	-0.09593	0.923577	0.992483
3226	ENSG00000117016.10	338.6615	0.021229	0.221452	0.095861	0.923631	0.992483
7642	ENSG00000167447.12	479.2589	0.020877	0.217882	0.095819	0.923664	0.992483
1428	ENSG00000094804.12	966.0784	-0.01891	0.197563	-0.09573	0.923735	0.992483
103	ENSG00000006576.16	588.9409	0.02076	0.216966	0.095685	0.92377	0.992483
2440	ENSG00000108064.11	678.9138	0.020606	0.215441	0.095645	0.923803	0.992483
448	ENSG00000048740.18	252.8382	0.024096	0.251998	0.095618	0.923824	0.992483
11296	ENSG00000279207.1	258.8504	-0.02328	0.243487	-0.09561	0.923828	0.992483
3954	ENSG00000126878.13	164.2125	0.027345	0.286163	0.095557	0.923872	0.992483
478	ENSG00000051108.15	3025.999	0.014758	0.154472	0.09554	0.923886	0.992483
4825	ENSG00000136231.14	682.7731	0.019779	0.207031	0.095537	0.923888	0.992483
4807	ENSG00000136068.15	2076.847	-0.01592	0.166698	-0.09552	0.923902	0.992483
781	ENSG00000070018.9	618.8404	-0.01821	0.190702	-0.09546	0.923947	0.992483
6092	ENSG00000150672.17	219.7794	0.026711	0.28067	0.095168	0.924181	0.992483
4464	ENSG00000132912.13	1710.014	0.01618	0.170121	0.09511	0.924228	0.992483
4881	ENSG00000136738.15	421.4039	0.020396	0.214551	0.095065	0.924263	0.992483
8845	ENSG00000179295.18	2477.032	-0.01747	0.183784	-0.09503	0.924288	0.992483
1934	ENSG00000103035.11	1557.087	0.016136	0.169866	0.094995	0.924319	0.992483
1488	ENSG00000099331.13	2709.382	0.017339	0.182742	0.094883	0.924408	0.992483
7351	ENSG00000165283.16	1868.773	-0.01651	0.174107	-0.09483	0.924449	0.992483
5546	ENSG00000143367.16	559.5258	-0.01971	0.208148	-0.09469	0.924558	0.992483
7242	ENSG00000164414.18	368.2615	-0.02088	0.220578	-0.09464	0.924601	0.992483
9458	ENSG00000186648.15	592.8176	-0.01804	0.19082	-0.09456	0.924666	0.992483

3036	ENSG00000115241.11	4537.886	-0.014	0.148079	-0.09455	0.924675	0.992483
6059	ENSG00000149657.20	2901.561	0.014485	0.153248	0.094517	0.924698	0.992483
6075	ENSG00000149929.16	1032.636	-0.01689	0.17903	-0.09435	0.92483	0.992483
2040	ENSG00000104164.12	1032.45	0.018476	0.195988	0.094274	0.924892	0.992483
7903	ENSG00000169258.7	4749.699	0.014953	0.158918	0.094092	0.925036	0.992483
10104	ENSG00000198919.13	1039.339	-0.01658	0.176263	-0.09407	0.925056	0.992483
8082	ENSG00000170881.5	589.7168	0.018809	0.200096	0.094	0.925109	0.992483
8994	ENSG00000181773.7	175.9823	0.02759	0.294311	0.093746	0.925311	0.99253
3961	ENSG00000127022.15	15971.38	0.018363	0.195919	0.093726	0.925327	0.99253
52	ENSG00000005007.13	7343.146	-0.0145	0.154913	-0.09361	0.925419	0.992535
11123	ENSG00000268895.6	535.8573	-0.0201	0.215307	-0.09333	0.925638	0.992579
6324	ENSG00000154277.13	7973.132	-0.01333	0.143149	-0.09309	0.925831	0.992579
11328	ENSG00000283050.2	601.1344	-0.0225	0.241832	-0.09303	0.925882	0.992579
5808	ENSG00000146109.5	840.3613	-0.01646	0.17693	-0.093	0.925901	0.992579
4108	ENSG00000129292.21	1131.537	-0.01702	0.182999	-0.09298	0.925917	0.992579
5096	ENSG00000138413.14	4588.535	-0.01659	0.178539	-0.0929	0.925983	0.992579
7026	ENSG00000163346.17	1594.775	0.015646	0.168778	0.092704	0.926139	0.992652
1024	ENSG00000078747.16	1239.411	-0.01954	0.21105	-0.09258	0.926237	0.992665
9871	ENSG00000197620.11	287.7151	-0.02143	0.232082	-0.09235	0.926421	0.992715
443	ENSG00000048405.10	560.1003	0.017829	0.193342	0.092214	0.926528	0.992715
762	ENSG00000068912.14	1549.499	0.014949	0.162149	0.092192	0.926546	0.992715
1317	ENSG00000089682.16	202.9913	-0.02419	0.263701	-0.09173	0.926912	0.992776
1285	ENSG00000088930.8	2279.744	-0.01626	0.17758	-0.09155	0.927055	0.992776
5146	ENSG00000138767.13	709.5827	0.021558	0.235772	0.091435	0.927147	0.992776
4494	ENSG00000133169.6	3690.763	0.014098	0.154212	0.091421	0.927158	0.992776
4446	ENSG00000132780.17	3808.783	0.013451	0.147236	0.091356	0.92721	0.992776
5572	ENSG00000143493.13	475.9473	0.025122	0.275044	0.091338	0.927224	0.992776
7811	ENSG00000168591.16	1034.75	0.017042	0.186872	0.091197	0.927336	0.992776
11198	ENSG00000273329.1	292.2634	0.022142	0.242845	0.091176	0.927353	0.992776
8504	ENSG00000175183.10	167.5686	0.025824	0.283494	0.091093	0.927419	0.992776
154	ENSG00000008441.17	337.2497	-0.02248	0.247125	-0.09098	0.927512	0.992776
1461	ENSG00000096092.6	455.2014	0.018814	0.207243	0.090782	0.927666	0.992776
822	ENSG00000071189.21	289.4278	-0.02383	0.262608	-0.09075	0.927688	0.992776
2323	ENSG00000106605.11	252.9754	-0.02255	0.248651	-0.09069	0.927736	0.992776
1136	ENSG00000083799.18	803.8755	-0.02079	0.229607	-0.09055	0.927853	0.992788
9750	ENSG00000196700.9	6416.676	-0.01524	0.168442	-0.09046	0.927922	0.992788
10595	ENSG00000230124.8	1226.295	0.014904	0.16519	0.090225	0.928108	0.992894
9464	ENSG00000186767.7	327.3747	0.022288	0.247875	0.089915	0.928355	0.993065
5792	ENSG00000145920.15	3040.978	-0.01355	0.150927	-0.08978	0.928466	0.99309
5785	ENSG00000145882.11	1795.318	-0.01412	0.157588	-0.08961	0.928595	0.993135
4170	ENSG00000130254.12	2392.046	0.015883	0.177906	0.089276	0.928862	0.993159
9154	ENSG00000183508.5	1135.071	-0.01515	0.169821	-0.08922	0.928909	0.993159
2994	ENSG00000114779.19	2984.878	0.014219	0.159639	0.089068	0.929027	0.993159
7496	ENSG00000166340.17	11454.66	-0.01383	0.155403	-0.08902	0.929068	0.993159
2556	ENSG00000109332.20	5290.488	-0.016	0.179973	-0.08888	0.92918	0.993159
1647	ENSG00000100479.13	251.6228	0.021613	0.24395	0.088597	0.929402	0.993159
7872	ENSG00000169084.15	804.4068	0.016655	0.188018	0.088581	0.929415	0.993159
4933	ENSG00000137055.15	664.201	-0.01754	0.198496	-0.08836	0.929592	0.993159
2265	ENSG00000105993.15	2654.036	0.01403	0.158906	0.088293	0.929644	0.993159
7243	ENSG00000164442.10	1602.233	0.01512	0.171594	0.088114	0.929786	0.993159
1957	ENSG00000103174.13	1248.815	-0.01664	0.189007	-0.08805	0.929836	0.993159
8804	ENSG00000178919.9	249.233	-0.0213	0.242042	-0.08799	0.929885	0.993159

2880	ENSG00000113318.11	374.3721	-0.02009	0.228353	-0.08797	0.9299	0.993159
8111	ENSG00000171150.9	308.571	-0.02079	0.236723	-0.08784	0.930007	0.993159
10025	ENSG00000198707.17	521.0606	-0.01964	0.223687	-0.08782	0.93002	0.993159
9057	ENSG00000182484.15	1479.299	0.016691	0.190422	0.087652	0.930153	0.993159
8394	ENSG00000173933.21	2954.622	0.013448	0.153801	0.087435	0.930326	0.993159
1011	ENSG00000078177.14	802.6311	0.018157	0.207731	0.087406	0.930349	0.993159
7761	ENSG00000168216.13	1167.326	0.016613	0.190194	0.087348	0.930395	0.993159
5953	ENSG00000148296.7	1874.215	-0.01479	0.170077	-0.08696	0.930701	0.993159
6937	ENSG00000162630.6	235.1482	-0.02818	0.324061	-0.08696	0.930702	0.993159
5292	ENSG00000140474.14	2288.217	0.013471	0.155115	0.086843	0.930796	0.993159
5879	ENSG00000147180.17	512.7116	-0.01765	0.203197	-0.08684	0.930796	0.993159
8836	ENSG00000179195.16	3325.124	0.01538	0.17724	0.086774	0.930851	0.993159
3447	ENSG00000119912.17	455.8781	-0.02115	0.243764	-0.08677	0.930858	0.993159
8654	ENSG00000177042.14	1465.808	-0.01561	0.17996	-0.08673	0.930885	0.993159
504	ENSG00000054282.16	335.5664	-0.01948	0.22503	-0.08657	0.931014	0.993203
458	ENSG00000049541.11	1272.114	-0.01454	0.168274	-0.08638	0.931162	0.993268
4966	ENSG00000137269.15	698.921	0.016028	0.185937	0.086201	0.931307	0.993283
10907	ENSG00000254206.5	287.706	-0.026	0.302136	-0.08606	0.931418	0.993283
5906	ENSG00000147586.10	314.4516	-0.0197	0.228931	-0.08603	0.93144	0.993283
6087	ENSG00000150477.15	192.3385	-0.02469	0.287311	-0.08593	0.931524	0.993283
3798	ENSG00000125384.7	379.2364	-0.02055	0.239668	-0.08573	0.931682	0.993358
7915	ENSG00000169435.14	1146.623	-0.0144	0.169094	-0.08514	0.932152	0.99345
9821	ENSG00000197172.10	1737.225	0.013652	0.160363	0.085133	0.932155	0.99345
10281	ENSG00000205707.11	228.2269	-0.02165	0.254717	-0.08501	0.932251	0.99345
6533	ENSG00000157456.8	934.67	0.01492	0.175548	0.084991	0.932269	0.99345
9031	ENSG00000182180.14	1647.314	0.013426	0.158094	0.084926	0.93232	0.99345
833	ENSG00000071626.17	1982.968	0.013176	0.155176	0.084912	0.932332	0.99345
1031	ENSG00000079134.12	575.3004	-0.01632	0.193338	-0.08439	0.932747	0.99345
2796	ENSG00000112276.14	179.9837	-0.02462	0.293029	-0.08401	0.933047	0.99345
322	ENSG00000028203.18	778.7923	-0.01593	0.189824	-0.08395	0.9331	0.99345
4884	ENSG00000136758.19	1341.83	-0.01412	0.168434	-0.08383	0.933194	0.99345
4848	ENSG00000136444.10	957.6256	0.014573	0.174004	0.083749	0.933256	0.99345
3689	ENSG00000123684.13	1603.575	0.017317	0.206929	0.083687	0.933306	0.99345
6634	ENSG00000158850.15	2947.325	0.013162	0.157506	0.083567	0.9334	0.99345
8216	ENSG00000172059.11	439.7959	-0.01881	0.225117	-0.08356	0.933403	0.99345
7714	ENSG00000167912.6	204.3255	-0.02238	0.268316	-0.0834	0.933531	0.99345
4101	ENSG00000129219.14	257.6468	0.021533	0.258288	0.083366	0.93356	0.99345
922	ENSG00000075213.11	340.5616	0.022983	0.276144	0.083227	0.933671	0.99345
4368	ENSG00000132153.15	6003.74	-0.01218	0.146907	-0.0829	0.933934	0.99345
1090	ENSG00000081665.14	236.1188	0.021452	0.259022	0.082819	0.933995	0.99345
4661	ENSG00000134954.14	471.0094	0.01724	0.208244	0.082788	0.93402	0.99345
7083	ENSG00000163636.11	1473.211	0.014318	0.173266	0.082636	0.934141	0.99345
1752	ENSG00000101189.7	752.4861	0.014782	0.179125	0.082526	0.934229	0.99345
9223	ENSG00000184205.14	584.3088	-0.01793	0.217877	-0.0823	0.934407	0.99345
4111	ENSG00000129347.21	961.9608	0.014325	0.17413	0.082268	0.934434	0.99345
3128	ENSG00000116044.16	920.004	0.014674	0.178822	0.082061	0.934598	0.99345
6474	ENSG00000156642.17	2429.635	-0.01335	0.163358	-0.08169	0.93489	0.99345
1980	ENSG00000103342.13	3094.681	-0.01235	0.151252	-0.08165	0.934923	0.99345
995	ENSG00000077514.9	510.8862	-0.01709	0.209706	-0.08148	0.935059	0.99345
7883	ENSG00000169169.15	2039.759	0.013904	0.170794	0.081408	0.935117	0.99345
8929	ENSG00000180747.15	369.0661	-0.01751	0.215602	-0.08122	0.935271	0.99345
316	ENSG00000026297.16	809.0669	-0.01438	0.177172	-0.08119	0.935291	0.99345

1659	ENSG00000100564.9	383.9748	-0.01773	0.218667	-0.08108	0.935379	0.99345
108	ENSG00000006652.15	997.2751	-0.01417	0.17488	-0.081	0.935439	0.99345
8382	ENSG00000173848.19	614.4657	-0.01573	0.194543	-0.08085	0.935562	0.99345
1960	ENSG00000103194.16	2123.811	-0.0127	0.157349	-0.0807	0.935684	0.99345
4700	ENSG00000135317.13	1262.156	-0.01543	0.191574	-0.08053	0.935819	0.99345
6661	ENSG00000159202.18	2275.15	-0.01242	0.154336	-0.08044	0.935884	0.99345
2914	ENSG00000113658.18	1023.768	0.016555	0.205823	0.080434	0.935892	0.99345
5568	ENSG00000143469.20	480.6355	-0.02009	0.250016	-0.08034	0.935963	0.99345
5088	ENSG00000138380.18	194.1278	0.021842	0.271933	0.080323	0.93598	0.99345
275	ENSG0000019582.15	1147.913	-0.01343	0.167214	-0.08031	0.935992	0.99345
8915	ENSG00000180385.8	202.1725	-0.02528	0.314933	-0.08026	0.936028	0.99345
7214	ENSG00000164241.13	175.782	-0.02243	0.27954	-0.08024	0.936047	0.99345
1275	ENSG00000088808.18	809.0385	0.014155	0.176651	0.080132	0.936132	0.99345
7907	ENSG00000169359.16	694.6143	0.01649	0.205873	0.0801	0.936158	0.99345
6589	ENSG00000158234.12	241.4368	-0.02009	0.251545	-0.07986	0.936347	0.99345
3506	ENSG00000120798.17	465.6021	0.016117	0.202208	0.079704	0.936472	0.99345
296	ENSG00000023318.8	1346.771	0.013356	0.167646	0.079665	0.936504	0.99345
6829	ENSG00000161202.20	5007.851	0.011498	0.144822	0.079391	0.936722	0.99345
5170	ENSG00000139154.16	595.3128	0.014949	0.188538	0.079288	0.936803	0.99345
8641	ENSG00000176903.5	3158.158	0.011927	0.150645	0.079172	0.936896	0.99345
2375	ENSG00000107290.14	1406.592	-0.01288	0.162871	-0.07911	0.936945	0.99345
4127	ENSG00000129562.11	2138.129	-0.01393	0.176141	-0.0791	0.936956	0.99345
5818	ENSG00000146267.12	386.3746	-0.01741	0.22044	-0.07896	0.937063	0.99345
9993	ENSG00000198521.12	208.8366	-0.02335	0.295689	-0.07895	0.937071	0.99345
3959	ENSG00000126947.13	517.1753	-0.01601	0.202867	-0.07894	0.937083	0.99345
8079	ENSG00000170871.12	1055.175	-0.01428	0.181355	-0.07876	0.937222	0.99345
5476	ENSG00000142657.21	6546.932	0.012783	0.162912	0.078467	0.937456	0.99345
3362	ENSG00000119004.16	741.072	-0.01493	0.190322	-0.07842	0.937493	0.99345
2457	ENSG00000108312.15	3319.371	-0.01361	0.173648	-0.0784	0.937511	0.99345
9623	ENSG00000189079.17	484.0909	0.016863	0.215562	0.07823	0.937645	0.99345
3208	ENSG00000116830.12	380.7258	-0.01824	0.233376	-0.07816	0.937704	0.99345
1777	ENSG00000101347.10	1462.414	0.012541	0.160505	0.078133	0.937722	0.99345
5306	ENSG00000140575.13	3509.661	-0.01188	0.152113	-0.07812	0.937734	0.99345
11043	ENSG00000261659.2	461.3555	0.021861	0.280138	0.078035	0.9378	0.99345
10321	ENSG00000213020.10	163.6992	0.025285	0.324293	0.077971	0.937851	0.99345
7230	ENSG00000164329.13	433.6673	-0.01632	0.2094	-0.07796	0.937863	0.99345
2018	ENSG00000103769.10	3984.376	0.012523	0.161603	0.077491	0.938233	0.99345
1806	ENSG00000101557.15	2060.486	0.012261	0.158337	0.077434	0.938279	0.99345
11365	ENSG00000285796.1	405.8055	-0.01884	0.243349	-0.07743	0.938283	0.99345
4576	ENSG00000134193.15	168.6912	-0.02441	0.315493	-0.07737	0.93833	0.99345
2426	ENSG00000107937.19	603.9305	-0.01477	0.19136	-0.07721	0.938456	0.99345
3456	ENSG00000120008.16	571.4087	0.015003	0.194384	0.077183	0.938478	0.99345
9704	ENSG00000196449.4	643.2934	-0.01557	0.201884	-0.07711	0.938533	0.99345
2041	ENSG00000104177.18	1894.422	0.012112	0.157147	0.077071	0.938567	0.99345
6411	ENSG00000155729.13	225.1664	-0.01992	0.259234	-0.07683	0.938761	0.99345
5328	ENSG00000140931.20	423.9338	0.016193	0.210966	0.076757	0.938817	0.99345
6624	ENSG00000158769.18	5058.153	-0.01165	0.151879	-0.0767	0.938861	0.99345
9405	ENSG00000185946.16	211.1044	-0.02016	0.263302	-0.07655	0.938979	0.99345
3425	ENSG00000119718.11	831.4879	-0.01602	0.209341	-0.07655	0.938983	0.99345
3205	ENSG00000116791.14	440.7991	0.015935	0.208335	0.076485	0.939033	0.99345
1267	ENSG00000088387.19	638.0543	0.018019	0.235803	0.076416	0.939088	0.99345
6673	ENSG00000159352.16	2968.864	0.011422	0.149783	0.076255	0.939216	0.99345

2864	ENSG00000113068.10	880.0053	0.013417	0.176495	0.076021	0.939402	0.99345
4015	ENSG00000127995.17	584.5423	-0.01535	0.20196	-0.076	0.93942	0.99345
1014	ENSG00000078304.19	1551.199	0.012534	0.164971	0.075978	0.939437	0.99345
11315	ENSG00000280798.1	298.7434	-0.01735	0.228382	-0.07596	0.939451	0.99345
7919	ENSG00000169490.17	772.1167	-0.01429	0.188285	-0.0759	0.939498	0.99345
1067	ENSG00000080802.18	795.1637	0.013897	0.183275	0.075829	0.939556	0.99345
4252	ENSG00000130816.16	8086.506	0.011035	0.145718	0.075727	0.939636	0.99345
634	ENSG00000064995.18	640.807	0.014113	0.186584	0.075637	0.939708	0.99345
787	ENSG00000070087.14	5421.288	-0.01254	0.166804	-0.07519	0.940061	0.99351
1073	ENSG00000080839.12	621.5848	-0.01494	0.198811	-0.07517	0.940081	0.99351
6088	ENSG00000150527.17	1012.363	-0.01291	0.171746	-0.07517	0.940081	0.99351
8920	ENSG00000180530.11	770.7294	0.015887	0.21147	0.075127	0.940114	0.99351
8953	ENSG00000181027.11	1071.176	-0.01265	0.170092	-0.07436	0.940721	0.993797
1365	ENSG00000091039.17	698.1166	0.020845	0.281089	0.074157	0.940885	0.993797
7939	ENSG00000169684.13	760.4494	-0.01434	0.193588	-0.07406	0.940962	0.993797
840	ENSG00000072042.13	4769.255	-0.0123	0.166294	-0.07394	0.941054	0.993797
1692	ENSG00000100796.17	2054.01	0.011534	0.156099	0.073891	0.941097	0.993797
2573	ENSG00000109606.13	2572.269	-0.01249	0.169167	-0.07383	0.941144	0.993797
213	ENSG00000011638.10	162.3045	-0.0229	0.311843	-0.07345	0.941449	0.993797
2308	ENSG00000106443.17	1060.737	0.013155	0.179652	0.073227	0.941625	0.993797
8142	ENSG00000171368.12	209.9804	0.021356	0.29168	0.073216	0.941634	0.993797
5099	ENSG00000138434.17	2038.558	-0.0115	0.157167	-0.07318	0.941664	0.993797
5719	ENSG00000144895.12	945.0806	-0.01375	0.188177	-0.07306	0.94176	0.993797
7900	ENSG00000169249.13	367.8333	0.016424	0.224856	0.073045	0.941771	0.993797
3305	ENSG00000117877.11	239.2388	0.019072	0.261355	0.072973	0.941828	0.993797
6607	ENSG00000158483.17	176.9139	-0.02023	0.277465	-0.07291	0.941875	0.993797
4077	ENSG00000128917.8	1670.206	0.012424	0.170399	0.072909	0.941878	0.993797
8200	ENSG00000171914.16	446.0995	-0.0475	0.653994	-0.07264	0.942094	0.993797
3713	ENSG00000124164.16	6839.224	-0.01117	0.154044	-0.07251	0.942193	0.993797
1418	ENSG00000092978.11	159.74	-0.02224	0.306799	-0.07248	0.94222	0.993797
9360	ENSG00000185515.14	630.5817	0.013504	0.186493	0.072413	0.942274	0.993797
4546	ENSG00000133878.9	1501.32	-0.0119	0.165107	-0.07208	0.942541	0.993797
11331	ENSG00000283149.1	179.959	-0.02037	0.282637	-0.07206	0.942558	0.993797
8820	ENSG00000179010.14	9343.1	-0.01032	0.143301	-0.07201	0.942592	0.993797
6507	ENSG00000157064.11	1280.124	-0.01241	0.172608	-0.0719	0.942682	0.993797
298	ENSG00000023516.9	1116.417	0.014828	0.206503	0.071807	0.942756	0.993797
2732	ENSG00000111679.17	681.1648	0.013335	0.186566	0.071474	0.943021	0.993797
10133	ENSG00000203880.12	1571.998	-0.01292	0.180992	-0.07141	0.943072	0.993797
3794	ENSG00000125352.6	237.0676	0.018059	0.253473	0.071246	0.943202	0.993797
9991	ENSG00000198513.13	245.8098	0.018902	0.265308	0.071244	0.943203	0.993797
1917	ENSG00000102901.13	2050.421	-0.01375	0.193067	-0.0712	0.943236	0.993797
1870	ENSG00000102226.10	11508.09	-0.01148	0.161563	-0.07104	0.943369	0.993797
8425	ENSG00000174371.17	184.3618	-0.01963	0.276694	-0.07096	0.94343	0.993797
4901	ENSG00000136848.17	2925.016	-0.01112	0.156818	-0.07092	0.943464	0.993797
7357	ENSG00000165355.7	294.2894	-0.0169	0.239452	-0.07056	0.943749	0.993797
10885	ENSG00000251474.6	209.66	0.020767	0.296073	0.070142	0.94408	0.993797
8731	ENSG00000177868.12	244.3507	-0.01723	0.24589	-0.07009	0.944122	0.993797
1797	ENSG00000101457.13	775.4458	0.013696	0.196146	0.069824	0.944333	0.993797
9247	ENSG00000184445.12	1325.929	-0.01207	0.173262	-0.06967	0.944453	0.993797
6018	ENSG00000149218.5	241.4046	0.018797	0.270041	0.06961	0.944504	0.993797
765	ENSG00000069188.17	450.3223	-0.01484	0.213444	-0.06954	0.944558	0.993797
4620	ENSG00000134575.13	2285.863	-0.0107	0.154137	-0.06944	0.944637	0.993797

1038	ENSG00000079332.15	1313.932	-0.0135	0.195391	-0.0691	0.944908	0.993797
6190	ENSG00000152117.17	1272.438	-0.01277	0.185017	-0.06904	0.944959	0.993797
8008	ENSG00000170264.13	363.5961	-0.01496	0.216955	-0.06896	0.945023	0.993797
5513	ENSG00000143149.12	1674.312	-0.01313	0.191385	-0.06863	0.945284	0.993797
7088	ENSG00000163681.16	867.5871	-0.01279	0.186417	-0.0686	0.945306	0.993797
5440	ENSG00000142082.15	543.7524	0.013305	0.194135	0.068534	0.94536	0.993797
4472	ENSG00000132970.14	1174.825	0.012331	0.180073	0.068478	0.945405	0.993797
11281	ENSG00000278291.1	163.4929	-0.02022	0.295891	-0.06833	0.945527	0.993797
2773	ENSG00000112079.9	1057.589	-0.0123	0.180264	-0.06823	0.945604	0.993797
18	ENSG00000002726.21	267.5741	0.017065	0.251493	0.067855	0.945901	0.993797
1724	ENSG00000100994.12	1846.983	-0.0114	0.168099	-0.06783	0.94592	0.993797
7593	ENSG00000167005.14	1635.714	0.012384	0.182666	0.067796	0.945948	0.993797
737	ENSG00000068079.8	430.5976	-0.01425	0.210386	-0.06772	0.946012	0.993797
9873	ENSG00000197635.10	326.5519	-0.01897	0.280574	-0.06762	0.946086	0.993797
4185	ENSG00000130348.11	479.9076	0.015064	0.223826	0.067303	0.94634	0.993797
10862	ENSG00000249915.8	837.6227	0.012082	0.180006	0.067122	0.946484	0.993797
10937	ENSG00000255769.7	345.7766	0.015486	0.231315	0.066946	0.946624	0.993797
5161	ENSG00000138867.16	2664.47	-0.01173	0.175509	-0.06684	0.946706	0.993797
1782	ENSG00000101367.9	7688.427	0.011454	0.171724	0.066697	0.946823	0.993797
5373	ENSG00000141425.18	1253.409	0.012505	0.187724	0.066614	0.946889	0.993797
7949	ENSG00000169740.14	589.774	0.013518	0.20351	0.066425	0.947039	0.993797
6157	ENSG00000151615.3	166.1505	-0.01861	0.280293	-0.06641	0.947053	0.993797
10731	ENSG00000240857.2	939.4716	-0.01177	0.177465	-0.06634	0.947105	0.993797
674	ENSG00000065978.19	16643.22	0.009709	0.146433	0.066306	0.947135	0.993797
725	ENSG00000067704.10	1376.982	-0.01141	0.172271	-0.06621	0.947207	0.993797
7298	ENSG00000164924.18	8257.661	-0.01195	0.18049	-0.06621	0.947211	0.993797
4021	ENSG00000128059.8	603.4106	0.014548	0.219856	0.06617	0.947243	0.993797
2902	ENSG00000113583.8	1198.467	0.013558	0.205342	0.066028	0.947356	0.993797
4560	ENSG00000134046.12	1070.025	0.012251	0.185568	0.06602	0.947362	0.993797
6676	ENSG00000159388.6	1984.519	0.01078	0.163435	0.065957	0.947412	0.993797
3011	ENSG00000114988.12	810.7815	0.011811	0.179485	0.065803	0.947535	0.993797
195	ENSG00000011198.10	438.0941	-0.01455	0.221218	-0.06577	0.947562	0.993797
6758	ENSG00000160352.16	238.0542	0.019758	0.300699	0.065708	0.94761	0.993797
1195	ENSG00000085871.9	488.6737	0.015258	0.232899	0.065512	0.947767	0.993797
3789	ENSG00000125247.15	358.9709	-0.0154	0.235125	-0.06551	0.94777	0.993797
9439	ENSG00000186416.17	379.9232	0.014037	0.214802	0.065349	0.947896	0.993797
5972	ENSG00000148408.13	1107.092	0.011967	0.18337	0.065259	0.947968	0.993797
5911	ENSG00000147650.11	387.589	0.015433	0.236527	0.065248	0.947977	0.993797
10401	ENSG00000214113.11	321.5017	0.014737	0.226155	0.065163	0.948044	0.993797
10941	ENSG00000256073.3	240.0759	0.016127	0.24781	0.065078	0.948112	0.993797
6587	ENSG00000158195.11	5186.433	-0.01047	0.160973	-0.06503	0.94815	0.993797
1976	ENSG00000103274.11	471.1147	-0.01295	0.200291	-0.06466	0.948447	0.993797
11182	ENSG00000272841.1	422.3051	0.013446	0.208173	0.064591	0.9485	0.993797
10061	ENSG00000198818.10	174.7852	-0.0184	0.284918	-0.06458	0.948512	0.993797
532	ENSG00000056998.20	1356.888	-0.01223	0.189495	-0.06456	0.948527	0.993797
2340	ENSG00000106701.13	465.9244	0.017431	0.270982	0.064326	0.948711	0.993797
5718	ENSG00000144893.12	349.0786	-0.01409	0.219447	-0.06422	0.948799	0.993797
5886	ENSG00000147316.13	357.4848	-0.01626	0.254072	-0.064	0.948973	0.993797
10215	ENSG00000204619.8	1500.592	-0.01139	0.178093	-0.06396	0.948999	0.993797
5361	ENSG00000141258.13	3984.749	0.010252	0.160396	0.063915	0.949038	0.993797
10141	ENSG00000204070.10	969.762	-0.01212	0.18994	-0.06383	0.949105	0.993797
1246	ENSG00000087338.5	817.2171	-0.01164	0.182736	-0.06371	0.949198	0.993797

817	ENSG00000071051.14	1457.858	0.010456	0.164269	0.063651	0.949248	0.993797
9816	ENSG00000197147.14	614.5617	-0.01297	0.203724	-0.06365	0.949252	0.993797
3168	ENSG00000116473.14	1423.588	-0.01139	0.179144	-0.06357	0.949312	0.993797
9540	ENSG00000188021.9	2078.212	-0.01035	0.163283	-0.06338	0.949462	0.993797
5747	ENSG00000145354.12	1664.609	0.010618	0.167639	0.06334	0.949496	0.993797
9240	ENSG00000184349.13	341.234	-0.01414	0.224364	-0.06303	0.949744	0.993797
10657	ENSG00000235162.9	2470.565	0.010612	0.169015	0.062786	0.949937	0.993797
4655	ENSG00000134899.23	672.5512	0.014648	0.233789	0.062655	0.950041	0.993797
1948	ENSG00000103121.9	753.1389	0.011439	0.182626	0.062636	0.950056	0.993797
8297	ENSG00000172954.14	682.7789	0.013665	0.218214	0.062624	0.950066	0.993797
5836	ENSG00000146556.14	933.2678	-0.01379	0.220291	-0.06261	0.950079	0.993797
9698	ENSG00000196419.13	6439.451	-0.0099	0.158484	-0.06248	0.950182	0.993797
7793	ENSG00000168438.15	512.3461	0.012843	0.205829	0.062398	0.950246	0.993797
6916	ENSG00000162419.12	260.8642	-0.01499	0.240349	-0.06235	0.950281	0.993797
4166	ENSG00000130224.15	243.3742	0.017351	0.278285	0.06235	0.950284	0.993797
5600	ENSG00000143727.16	3506.094	0.009928	0.159835	0.062116	0.95047	0.993797
4819	ENSG00000136159.4	477.9959	-0.01241	0.200117	-0.06203	0.950536	0.993797
10509	ENSG00000223705.9	1414.509	0.012685	0.204738	0.061956	0.950598	0.993797
9239	ENSG00000184319.16	269.393	-0.01465	0.236862	-0.06183	0.950698	0.993797
1071	ENSG00000080823.23	215.2901	-0.01637	0.264817	-0.0618	0.95072	0.993797
7972	ENSG00000169933.16	234.742	-0.01995	0.323013	-0.06177	0.950744	0.993797
4682	ENSG00000135119.14	916.0149	0.011697	0.189421	0.06175	0.950762	0.993797
8580	ENSG00000176095.12	3605.285	-0.00934	0.151372	-0.06167	0.950824	0.993797
7602	ENSG00000167112.10	853.716	-0.01278	0.207273	-0.06166	0.95083	0.993797
3326	ENSG00000118363.12	2300.383	-0.00944	0.15333	-0.06155	0.950919	0.993797
5630	ENSG00000143952.20	961.0816	-0.01055	0.171664	-0.06144	0.951005	0.993797
3950	ENSG00000126821.8	649.0648	0.013014	0.212068	0.061366	0.951068	0.993797
9837	ENSG00000197323.12	1434.264	-0.01019	0.166881	-0.06107	0.951304	0.993797
6990	ENSG00000163002.13	214.9997	-0.01649	0.270231	-0.06101	0.951348	0.993797
626	ENSG00000064651.14	324.7301	0.014787	0.243018	0.060847	0.951481	0.993797
9835	ENSG00000197312.12	898.9644	0.01228	0.202017	0.060787	0.951529	0.993797
2548	ENSG00000109180.14	2151.727	-0.00981	0.161423	-0.06075	0.951555	0.993797
9674	ENSG00000196284.17	272.3111	-0.01672	0.276355	-0.06051	0.95175	0.993797
10725	ENSG00000240498.9	261.2881	0.01549	0.257863	0.060069	0.952101	0.993797
5880	ENSG00000147202.18	564.241	-0.01157	0.192771	-0.06002	0.952136	0.993797
7173	ENSG00000164070.12	550.2335	-0.01414	0.23574	-0.05998	0.952172	0.993797
10829	ENSG00000247095.3	191.2209	0.017367	0.289902	0.059907	0.95223	0.993797
9134	ENSG00000183305.13	408.5676	0.012481	0.208495	0.059864	0.952264	0.993797
10341	ENSG00000213366.13	1692.729	-0.00992	0.165714	-0.05985	0.952276	0.993797
4627	ENSG00000134686.18	11969.72	0.008611	0.143935	0.059824	0.952296	0.993797
6727	ENSG00000160191.18	420.8444	0.012996	0.217953	0.05963	0.952451	0.993797
6407	ENSG00000155561.15	2616.434	-0.00907	0.152064	-0.05962	0.952459	0.993797
10128	ENSG00000203727.4	4021.617	0.00907	0.152537	0.059462	0.952584	0.993797
10888	ENSG00000251602.7	299.445	-0.0138	0.232764	-0.05928	0.952729	0.993797
10975	ENSG00000258441.1	221.052	-0.01605	0.272149	-0.05897	0.952975	0.993797
11162	ENSG00000272106.1	514.919	0.012169	0.2068	0.058846	0.953075	0.993797
1935	ENSG00000103037.12	569.8872	0.01142	0.194115	0.058831	0.953086	0.993797
6734	ENSG00000160209.19	2260.15	-0.00999	0.170038	-0.05878	0.953127	0.993797
10063	ENSG00000198825.15	187.9602	0.015881	0.271196	0.058558	0.953304	0.993797
3131	ENSG00000116096.6	1599.192	-0.00938	0.160299	-0.05851	0.953346	0.993797
1466	ENSG00000096654.15	180.4609	-0.01625	0.278344	-0.05839	0.953437	0.993797
1656	ENSG00000100528.12	1304.479	0.011821	0.202474	0.058381	0.953445	0.993797

2406	ENSG00000107779.14	1029.215	-0.01216	0.208509	-0.05831	0.953499	0.993797
523	ENSG00000055483.19	1592.981	-0.00984	0.169202	-0.05818	0.953607	0.993797
10675	ENSG00000236397.3	164.1374	-0.01666	0.286928	-0.05805	0.953705	0.993797
6967	ENSG00000162873.15	270.5743	0.015065	0.261213	0.057674	0.954009	0.993797
4826	ENSG00000136237.19	213.9131	-0.01577	0.273502	-0.05767	0.954013	0.993797
9309	ENSG00000185090.14	6572.296	0.0088	0.152931	0.05754	0.954115	0.993797
669	ENSG00000065882.16	1456.88	-0.00949	0.165443	-0.05733	0.954281	0.993797
11219	ENSG00000274333.4	738.9081	-0.01306	0.228466	-0.05715	0.954423	0.993797
10848	ENSG00000248593.3	190.0679	0.015611	0.273282	0.057125	0.954445	0.993797
3287	ENSG00000117625.14	887.3062	-0.01004	0.176078	-0.05705	0.954509	0.993797
5949	ENSG00000148229.13	1183.236	0.010438	0.183062	0.057019	0.95453	0.993797
3497	ENSG00000120705.13	1722.278	-0.01021	0.179392	-0.05692	0.954612	0.993797
1996	ENSG00000103494.14	196.4762	-0.01536	0.269918	-0.0569	0.954623	0.993797
7780	ENSG00000168300.14	397.6664	-0.01492	0.262228	-0.05689	0.954634	0.993797
5693	ENSG00000144659.13	929.8055	0.009951	0.175183	0.056802	0.954703	0.993797
422	ENSG00000046651.15	1054.228	0.009916	0.174731	0.056753	0.954742	0.993797
5999	ENSG00000148925.11	477.8955	-0.0124	0.219889	-0.05639	0.95503	0.993797
692	ENSG00000066629.18	567.1094	-0.01449	0.257479	-0.05627	0.955124	0.993797
6297	ENSG00000153914.16	1597.13	0.009386	0.167339	0.056091	0.95527	0.993797
8458	ENSG00000174738.13	574.6026	-0.01246	0.222221	-0.05605	0.955299	0.993797
6692	ENSG00000159692.16	4831.371	0.008157	0.145587	0.056025	0.955322	0.993797
9612	ENSG00000188938.17	1450.046	0.009981	0.178488	0.055918	0.955407	0.993797
874	ENSG00000073050.12	2292.525	0.009192	0.165142	0.055661	0.955611	0.993797
1149	ENSG00000084073.10	1062.301	0.010126	0.182114	0.055605	0.955656	0.993797
2348	ENSG00000106803.10	1750.086	0.010255	0.18467	0.055531	0.955715	0.993797
5539	ENSG00000143321.19	9062.361	-0.00793	0.143005	-0.05543	0.955797	0.993797
1654	ENSG00000100523.16	443.8246	-0.01124	0.20374	-0.05516	0.956012	0.993797
3106	ENSG00000115866.11	1209.634	-0.00948	0.1724	-0.05501	0.956132	0.993797
1204	ENSG00000086065.14	1096.595	0.0095	0.172894	0.054946	0.956182	0.993797
233	ENSG00000013375.16	769.8626	-0.01202	0.218855	-0.05492	0.956202	0.993797
7782	ENSG00000168303.9	483.0143	0.011013	0.200711	0.054868	0.956244	0.993797
4427	ENSG00000132623.16	313.2325	0.012837	0.234355	0.054778	0.956315	0.993797
6700	ENSG00000159788.19	1006.549	0.010989	0.201142	0.054635	0.956429	0.993797
1174	ENSG00000085276.19	512.2973	-0.01182	0.216677	-0.05455	0.9565	0.993797
11148	ENSG00000270276.2	195.9104	0.016297	0.298856	0.054533	0.956511	0.993797
4942	ENSG00000137106.18	1492.323	-0.0088	0.161631	-0.05447	0.956562	0.993797
7662	ENSG00000167552.14	39634.31	-0.00816	0.149907	-0.05445	0.956579	0.993797
7607	ENSG00000167130.18	1407.131	0.009843	0.181351	0.054278	0.956714	0.993797
11375	ENSG00000286699.1	174.4273	0.016852	0.310749	0.05423	0.956752	0.993797
332	ENSG00000030066.13	1362.895	-0.009	0.165919	-0.05423	0.956753	0.993797
4978	ENSG00000137364.5	413.521	-0.01125	0.207531	-0.05419	0.956782	0.993797
9768	ENSG00000196850.6	456.4325	-0.01228	0.226688	-0.05418	0.956794	0.993797
4984	ENSG00000137449.16	300.2048	-0.01357	0.250501	-0.05417	0.956796	0.993797
6133	ENSG00000151332.19	201.1359	-0.01478	0.273156	-0.0541	0.956852	0.993797
9226	ENSG00000184209.15	431.651	-0.01153	0.213272	-0.05407	0.95688	0.993797
6798	ENSG00000160799.11	824.1682	-0.01009	0.18828	-0.05361	0.957242	0.993918
7671	ENSG00000167615.16	11237.38	-0.0087	0.163181	-0.0533	0.957491	0.993918
10652	ENSG00000234912.12	250.4211	-0.01358	0.255334	-0.05319	0.957583	0.993918
4693	ENSG00000135250.17	1146.422	-0.01142	0.215298	-0.05306	0.957687	0.993918
2702	ENSG00000111371.16	195.8803	-0.01672	0.316003	-0.05292	0.957793	0.993918
6139	ENSG00000151422.13	354.6684	0.013259	0.250639	0.052899	0.957812	0.993918
5024	ENSG00000137821.12	174.2057	-0.01875	0.354845	-0.05285	0.957854	0.993918

2524	ENSG00000108946.15	5091.323	0.00996	0.188794	0.052754	0.957928	0.993918
4782	ENSG00000135919.14	1548.225	-0.00954	0.181122	-0.05266	0.958	0.993918
9231	ENSG00000184227.8	409.3967	0.011733	0.223031	0.052605	0.958046	0.993918
6774	ENSG00000160606.11	780.1171	0.010638	0.20223	0.052605	0.958047	0.993918
8535	ENSG00000175470.20	564.917	-0.01059	0.201972	-0.05242	0.958191	0.993918
3569	ENSG00000121892.15	2417.961	-0.00899	0.171633	-0.05236	0.958245	0.993918
10243	ENSG00000205060.11	479.2671	0.011831	0.227237	0.052063	0.958479	0.993918
10261	ENSG00000205356.10	2515.685	-0.00853	0.164842	-0.05177	0.958712	0.993918
6639	ENSG00000158941.16	6126.64	-0.00771	0.149056	-0.05175	0.958729	0.993918
4301	ENSG00000131368.8	777.0923	0.009677	0.187062	0.051732	0.958742	0.993918
6754	ENSG00000160323.18	490.2106	0.012601	0.244612	0.051513	0.958917	0.993918
2008	ENSG00000103550.14	847.4803	0.009034	0.175535	0.051464	0.958956	0.993918
6849	ENSG00000161647.19	227.3866	0.013391	0.260791	0.051348	0.959048	0.993918
3114	ENSG00000115946.8	234.4204	0.01394	0.271896	0.051271	0.959109	0.993918
9646	ENSG00000196072.12	467.1528	-0.01052	0.206127	-0.05102	0.959313	0.993918
8884	ENSG00000179941.9	221.6183	-0.01431	0.2811	-0.05089	0.959413	0.993918
7758	ENSG00000168175.15	3020.531	0.00819	0.161076	0.050846	0.959448	0.993918
8236	ENSG00000172331.12	231.0131	-0.01266	0.249025	-0.05084	0.959457	0.993918
2849	ENSG00000112851.14	679.6171	-0.01045	0.205827	-0.05076	0.959515	0.993918
4525	ENSG00000133639.6	6177.823	-0.00727	0.14394	-0.05049	0.95973	0.993918
8101	ENSG00000171067.11	1516.791	0.008155	0.161731	0.050424	0.959785	0.993918
7231	ENSG00000164330.17	299.9624	-0.01231	0.245181	-0.05021	0.959954	0.993918
1240	ENSG00000087266.17	1430.101	0.008501	0.169624	0.050114	0.960031	0.993918
10075	ENSG00000198853.12	1103.574	0.009201	0.183624	0.050108	0.960036	0.993918
8778	ENSG00000178498.16	2395.673	0.008501	0.170113	0.049972	0.960144	0.993918
5992	ENSG00000148798.11	4602.5	0.008231	0.164812	0.049944	0.960167	0.993918
9320	ENSG00000185164.14	8858.495	0.007656	0.153369	0.049918	0.960188	0.993918
9007	ENSG00000181924.7	867.324	-0.00885	0.177583	-0.04982	0.960267	0.993918
3725	ENSG00000124217.5	590.7218	-0.0096	0.192829	-0.0498	0.960286	0.993918
3365	ENSG00000119042.17	230.8867	-0.01255	0.252432	-0.0497	0.960358	0.993918
2589	ENSG00000109832.14	298.5779	-0.01143	0.230579	-0.04959	0.960448	0.993918
6199	ENSG00000152234.16	6970.895	0.007617	0.153733	0.04955	0.960481	0.993918
9777	ENSG00000196922.10	475.9103	0.012327	0.248887	0.049528	0.960498	0.993918
9686	ENSG00000196363.9	1495.025	-0.00806	0.163112	-0.04943	0.960575	0.993918
5159	ENSG00000138834.14	2726.571	0.008969	0.182612	0.049117	0.960826	0.994044
2491	ENSG00000108590.11	193.9581	0.013646	0.278764	0.048953	0.960957	0.994044
10863	ENSG00000249992.2	284.6643	0.012502	0.256929	0.048658	0.961192	0.994044
936	ENSG00000075429.9	730.2817	0.010309	0.211991	0.048629	0.961215	0.994044
7936	ENSG00000169679.15	724.3015	0.009058	0.186436	0.048582	0.961252	0.994044
5770	ENSG00000145715.15	530.8479	0.009573	0.197959	0.04836	0.96143	0.994044
7707	ENSG00000167842.16	527.3383	0.010029	0.207564	0.048317	0.961464	0.994044
4110	ENSG00000129317.14	251.7466	0.012299	0.255055	0.04822	0.961541	0.994044
2592	ENSG00000109911.19	736.8464	0.009758	0.202636	0.048156	0.961592	0.994044
932	ENSG00000075407.18	810.9922	-0.00852	0.177068	-0.04813	0.961611	0.994044
9691	ENSG00000196371.3	359.1285	0.011425	0.237644	0.048074	0.961657	0.994044
9461	ENSG00000186666.6	266.8821	0.012092	0.252319	0.047923	0.961777	0.994061
8465	ENSG00000174796.12	375.6295	-0.01073	0.224294	-0.04783	0.961848	0.994061
5061	ENSG00000138085.17	1915.089	-0.00803	0.168722	-0.04758	0.962052	0.994182
9252	ENSG00000184486.10	184.0223	-0.01392	0.293721	-0.04739	0.962202	0.994247
1641	ENSG00000100441.10	2527.01	-0.0076	0.161065	-0.0472	0.962357	0.994311
2271	ENSG00000106049.9	207.221	0.012457	0.264533	0.047092	0.96244	0.994311
952	ENSG00000076043.11	853.1515	-0.00836	0.17949	-0.04655	0.962872	0.994668

4016	ENSG00000128000.17	661.3395	-0.00897	0.193454	-0.04637	0.963013	0.994709
9973	ENSG00000198356.12	1995.248	0.007306	0.157868	0.046281	0.963086	0.994709
269	ENSG00000018236.15	5685.451	-0.00806	0.175498	-0.04592	0.963372	0.994883
7494	ENSG00000166333.14	1770.394	0.007576	0.16523	0.04585	0.96343	0.994883
9771	ENSG00000196872.12	1066.864	-0.00767	0.169199	-0.04534	0.96384	0.995031
6329	ENSG00000154328.16	249.79	-0.01121	0.248789	-0.04507	0.964048	0.995031
3534	ENSG00000121073.15	1852.515	-0.00758	0.168377	-0.04504	0.964072	0.995031
3379	ENSG00000119328.12	189.9946	0.012434	0.276952	0.044896	0.96419	0.995031
9693	ENSG00000196378.13	177.9757	-0.01225	0.274177	-0.04467	0.964367	0.995031
10327	ENSG00000213123.11	224.6352	-0.01175	0.263314	-0.04461	0.964417	0.995031
2957	ENSG00000114353.17	13508.5	-0.00632	0.141894	-0.04456	0.96446	0.995031
7404	ENSG00000165688.12	1325.218	-0.00729	0.16404	-0.04447	0.964534	0.995031
2011	ENSG00000103647.13	181.891	0.013697	0.30856	0.044391	0.964593	0.995031
8824	ENSG00000179051.14	4499.997	-0.00662	0.149199	-0.04435	0.964628	0.995031
11314	ENSG00000280789.2	1908.171	0.007966	0.180542	0.044121	0.964808	0.995031
4298	ENSG00000131269.19	335.044	0.010185	0.231782	0.043942	0.964951	0.995031
530	ENSG00000056586.16	1291.806	-0.02234	0.508602	-0.04393	0.964957	0.995031
1029	ENSG00000079102.16	575.7187	0.008579	0.195819	0.043811	0.965055	0.995031
2582	ENSG00000109756.9	322.6727	-0.01209	0.276265	-0.04378	0.96508	0.995031
8550	ENSG00000175643.10	954.0595	-0.00754	0.172522	-0.04368	0.96516	0.995031
2590	ENSG00000109854.13	528.2688	-0.00869	0.199187	-0.04361	0.965214	0.995031
10507	ENSG00000223547.10	179.8214	0.012466	0.286212	0.043556	0.965258	0.995031
5677	ENSG00000144554.11	546.9148	-0.00898	0.206311	-0.04351	0.965295	0.995031
4750	ENSG00000135655.16	598.0897	-0.00892	0.205672	-0.04337	0.965405	0.995031
8432	ENSG00000174446.13	366.7551	-0.00949	0.218908	-0.04337	0.965408	0.995031
5500	ENSG00000142949.17	3845.23	-0.00674	0.155832	-0.04326	0.965498	0.995033
4564	ENSG00000134058.12	216.3819	0.010966	0.255333	0.042949	0.965742	0.995191
10251	ENSG00000205236.6	158.307	0.01546	0.361451	0.042773	0.965883	0.995191
4018	ENSG00000128016.7	496.6567	-0.0086	0.201326	-0.0427	0.96594	0.995191
10943	ENSG00000256269.10	726.6784	-0.00834	0.19565	-0.04261	0.966015	0.995191
6182	ENSG00000152056.17	185.5313	0.011459	0.27071	0.042331	0.966235	0.995191
6309	ENSG00000154080.14	2213.138	-0.00671	0.158753	-0.04227	0.966287	0.995191
10596	ENSG00000230269.7	231.5939	0.010886	0.258437	0.042123	0.966401	0.995191
10833	ENSG00000247556.6	1489.504	0.007476	0.177913	0.042018	0.966484	0.995191
3025	ENSG00000115145.10	348.4107	0.00977	0.233407	0.041857	0.966612	0.995191
4624	ENSG00000134602.16	230.0958	-0.0105	0.251134	-0.04183	0.966638	0.995191
7430	ENSG00000165898.14	507.824	-0.0094	0.224866	-0.04179	0.966669	0.995191
3239	ENSG00000117155.16	1308.377	-0.00912	0.219058	-0.04164	0.966789	0.995191
4867	ENSG00000136628.18	1880.082	-0.00648	0.156417	-0.04141	0.96697	0.995191
7137	ENSG00000163931.16	7534.44	-0.00633	0.153535	-0.04121	0.967126	0.995191
8390	ENSG00000173914.12	515.8227	-0.00813	0.198028	-0.04107	0.967241	0.995191
1625	ENSG00000100395.15	1843.115	-0.00685	0.167404	-0.0409	0.967373	0.995191
6242	ENSG00000152904.11	536.436	-0.00791	0.193773	-0.04082	0.967436	0.995191
3393	ENSG00000119446.14	354.3408	-0.009	0.22087	-0.04075	0.967495	0.995191
9379	ENSG00000185716.12	165.6956	-0.01252	0.308184	-0.04063	0.967593	0.995191
8112	ENSG00000171155.8	480.8633	0.008691	0.213988	0.040614	0.967604	0.995191
675	ENSG00000066027.12	481.3127	-0.00806	0.19879	-0.04056	0.967648	0.995191
9349	ENSG00000185442.13	2832.218	0.006406	0.15796	0.040557	0.967649	0.995191
10018	ENSG00000198680.4	304.7987	0.009582	0.237133	0.040406	0.967769	0.995191
8908	ENSG00000180304.14	2604.953	-0.00649	0.160523	-0.0404	0.967773	0.995191
6867	ENSG00000161956.13	2765.695	0.006097	0.15121	0.040324	0.967835	0.995191
5060	ENSG00000138083.5	258.116	-0.0102	0.256324	-0.03979	0.96826	0.995507

6410	ENSG00000155660.11	5415.618	-0.00738	0.18614	-0.03963	0.968388	0.995507
11077	ENSG00000265354.4	1038.149	0.006886	0.174017	0.039569	0.968437	0.995507
10656	ENSG00000235106.10	1265.211	0.006789	0.172108	0.039449	0.968533	0.995507
5608	ENSG00000143771.12	811.0728	0.008251	0.209482	0.03939	0.96858	0.995507
7138	ENSG00000163932.15	1203.952	-0.00662	0.170277	-0.03887	0.968995	0.995734
3974	ENSG00000127415.13	796.9238	-0.00845	0.218878	-0.0386	0.969211	0.995734
3846	ENSG00000125798.14	10837.58	-0.00567	0.146873	-0.0386	0.969213	0.995734
11007	ENSG00000260231.2	751.2193	0.007041	0.182779	0.038523	0.969271	0.995734
10118	ENSG00000198954.9	1169.284	-0.00651	0.169583	-0.0384	0.969371	0.995734
10259	ENSG00000205339.10	2924.711	0.007741	0.201787	0.038363	0.969399	0.995734
6096	ENSG00000150756.14	394.1921	-0.00815	0.212531	-0.03834	0.969413	0.995734
9162	ENSG00000183597.16	775.2187	0.006897	0.181423	0.038018	0.969674	0.995912
3680	ENSG00000123570.4	467.7598	0.008438	0.225607	0.0374	0.970166	0.996033
6159	ENSG00000151665.13	340.4242	-0.0083	0.222888	-0.03724	0.970292	0.996033
10532	ENSG00000224914.4	352.9882	0.008362	0.224947	0.037173	0.970347	0.996033
258	ENSG00000015475.19	1106.628	-0.00668	0.179957	-0.03713	0.970385	0.996033
1283	ENSG00000088888.18	6677.641	-0.00615	0.165753	-0.03709	0.970414	0.996033
3055	ENSG00000115364.14	734.3582	-0.00732	0.197518	-0.03704	0.970456	0.996033
3737	ENSG00000124357.13	1543.573	0.005829	0.159152	0.036626	0.970783	0.996033
5652	ENSG00000144228.9	771.9938	0.007885	0.215918	0.03652	0.970868	0.996033
2101	ENSG00000104823.9	2756.778	-0.00578	0.158412	-0.03649	0.970895	0.996033
4738	ENSG00000135549.15	590.0342	-0.00762	0.208882	-0.03648	0.970899	0.996033
1982	ENSG00000103351.13	394.6909	0.008052	0.220855	0.03646	0.970915	0.996033
7109	ENSG00000163798.13	748.9741	0.006568	0.18092	0.036305	0.971039	0.996033
6989	ENSG00000163001.12	577.5658	0.007204	0.199716	0.036073	0.971224	0.996033
7112	ENSG00000163811.12	508.5761	0.007804	0.216462	0.036054	0.97124	0.996033
3394	ENSG00000119471.15	592.3321	0.007223	0.201185	0.035902	0.971361	0.996033
80	ENSG00000005889.15	700.7797	0.008633	0.242074	0.035664	0.97155	0.996033
6522	ENSG00000157315.5	283.4827	0.008575	0.240912	0.035593	0.971607	0.996033
9649	ENSG00000196116.8	584.6258	0.007367	0.207042	0.035584	0.971614	0.996033
1717	ENSG00000100938.18	733.3323	-0.00702	0.197556	-0.03554	0.971649	0.996033
8034	ENSG00000170468.8	509.3667	-0.00724	0.204419	-0.03542	0.971747	0.996033
1964	ENSG00000103222.19	1645.453	0.006434	0.181864	0.03538	0.971777	0.996033
8919	ENSG00000180488.15	592.1261	0.008089	0.229469	0.035251	0.97188	0.996033
2081	ENSG00000104626.15	259.4915	0.008628	0.245208	0.035185	0.971932	0.996033
7107	ENSG00000163788.14	515.1011	0.0075	0.214003	0.035046	0.972043	0.996033
2297	ENSG00000106346.11	515.6868	0.007252	0.208702	0.034746	0.972282	0.996033
2083	ENSG00000104643.10	487.3452	0.006872	0.198701	0.034583	0.972413	0.996033
10789	ENSG00000243749.1	231.9899	-0.00897	0.259677	-0.03453	0.972452	0.996033
8728	ENSG00000177842.12	323.0168	0.007856	0.229392	0.034247	0.97268	0.996033
1475	ENSG00000097046.13	906.1438	0.006377	0.18636	0.03422	0.972701	0.996033
8171	ENSG00000171612.7	802.8298	-0.0062	0.182364	-0.03398	0.972896	0.996033
4297	ENSG00000131263.13	934.4004	0.0072	0.212009	0.033962	0.972908	0.996033
1462	ENSG00000096093.16	945.5695	-0.00652	0.19265	-0.03382	0.97302	0.996033
800	ENSG00000070495.15	928.2611	-0.00632	0.187153	-0.03378	0.97305	0.996033
8972	ENSG00000181350.12	253.4197	0.008755	0.259413	0.033748	0.973078	0.996033
3665	ENSG00000123358.20	762.1761	-0.0076	0.22689	-0.03349	0.973287	0.996033
4203	ENSG00000130540.14	283.0667	-0.00826	0.246804	-0.03345	0.973316	0.996033
5355	ENSG00000141127.15	791.0179	-0.00597	0.180059	-0.03314	0.973561	0.996033
2028	ENSG00000104059.4	336.1272	0.007785	0.235044	0.033123	0.973577	0.996033
6979	ENSG00000162929.14	380.8093	-0.00731	0.220905	-0.03311	0.97359	0.996033
749	ENSG00000068438.15	1579.82	-0.00541	0.163621	-0.03304	0.973643	0.996033

5810	ENSG00000146143.19	245.2891	0.008267	0.25122	0.032909	0.973747	0.996033
10399	ENSG00000214078.12	6468.741	-0.00482	0.146696	-0.03289	0.973765	0.996033
2866	ENSG00000113119.13	414.1323	0.007843	0.241466	0.032479	0.97409	0.996033
8277	ENSG00000172785.18	1118.917	-0.00566	0.174264	-0.03247	0.974095	0.996033
414	ENSG00000043514.17	383.5965	-0.00686	0.212043	-0.03234	0.974204	0.996033
8487	ENSG00000175048.17	1040.428	0.005444	0.168773	0.032258	0.974266	0.996033
429	ENSG00000047410.14	3344.474	0.004942	0.153621	0.032173	0.974334	0.996033
6588	ENSG00000158201.10	634.7328	-0.0061	0.18999	-0.03209	0.974399	0.996033
8545	ENSG00000175595.15	301.8253	0.008076	0.252693	0.031959	0.974505	0.996033
8373	ENSG00000173786.17	2719.6	-0.00487	0.153468	-0.0317	0.97471	0.996033
1831	ENSG00000101868.12	1614.858	0.005821	0.183659	0.031692	0.974717	0.996033
690	ENSG00000066557.6	316.2413	0.008554	0.271715	0.031482	0.974885	0.996033
9831	ENSG00000197283.17	1455.589	0.005879	0.187737	0.031315	0.975018	0.996033
1260	ENSG00000088247.17	8713.248	0.004407	0.142962	0.030829	0.975406	0.996033
7023	ENSG00000163320.12	1604.533	-0.00581	0.18872	-0.03078	0.975447	0.996033
8024	ENSG00000170364.12	296.1069	0.007162	0.232837	0.030758	0.975462	0.996033
1056	ENSG00000079999.14	2470.487	-0.00474	0.154432	-0.0307	0.975505	0.996033
3578	ENSG00000122008.15	336.7821	-0.00704	0.229541	-0.03067	0.975529	0.996033
1666	ENSG00000100591.8	2166.573	0.004779	0.15599	0.030638	0.975558	0.996033
2749	ENSG00000111802.14	868.8806	-0.00578	0.189281	-0.03055	0.975629	0.996033
7808	ENSG00000168566.13	744.7475	-0.00567	0.186127	-0.03048	0.975685	0.996033
6944	ENSG00000162688.17	660.0088	0.006778	0.222416	0.030476	0.975687	0.996033
4484	ENSG00000133111.4	459.1316	0.006219	0.2046	0.030397	0.97575	0.996033
10996	ENSG00000259673.6	199.4245	0.008166	0.269646	0.030286	0.975839	0.996033
8714	ENSG00000177679.16	1121.247	0.005871	0.194303	0.030218	0.975893	0.996033
8166	ENSG00000171566.12	971.2484	0.005746	0.190334	0.030188	0.975917	0.996033
9967	ENSG00000198301.12	748.5425	0.00557	0.185009	0.030108	0.975981	0.996033
2102	ENSG00000104824.17	7389.494	0.004268	0.142737	0.029902	0.976145	0.996033
1052	ENSG00000079805.17	5294.003	0.0047	0.15814	0.029721	0.97629	0.996033
1058	ENSG00000080200.10	570.7444	0.00632	0.215088	0.029382	0.97656	0.996033
2791	ENSG00000112237.13	811.2612	0.005967	0.203266	0.029355	0.976581	0.996033
819	ENSG00000071073.13	1837.666	0.005171	0.176354	0.029319	0.97661	0.996033
4508	ENSG00000133318.14	8186.483	-0.00422	0.14422	-0.02929	0.976631	0.996033
9787	ENSG00000196975.16	412.9921	-0.00715	0.24465	-0.02922	0.976685	0.996033
9876	ENSG00000197702.14	179.076	-0.00819	0.282334	-0.02901	0.976858	0.996033
1128	ENSG00000083457.12	208.6807	-0.00806	0.279234	-0.02888	0.976959	0.996033
7744	ENSG00000168066.20	8583.1	-0.00439	0.152232	-0.02881	0.977012	0.996033
6490	ENSG00000156873.16	1471.736	0.00512	0.178754	0.028642	0.97715	0.996033
10300	ENSG00000206418.4	792.9263	0.005317	0.18607	0.028576	0.977203	0.996033
6740	ENSG00000160221.18	746.5288	0.00531	0.186559	0.028464	0.977292	0.996033
829	ENSG00000071537.14	1292.223	-0.00615	0.216742	-0.0284	0.977346	0.996033
3295	ENSG00000117697.15	533.7132	-0.00734	0.259688	-0.02827	0.977448	0.996033
2977	ENSG00000114573.10	2707.572	-0.00503	0.179378	-0.02806	0.977618	0.996033
9258	ENSG00000184602.6	1211.752	-0.00486	0.174114	-0.02792	0.977727	0.996033
256	ENSG00000015285.11	172.6679	-0.00812	0.291337	-0.02786	0.977772	0.996033
761	ENSG00000068903.20	1782.236	-0.00438	0.157509	-0.02778	0.977836	0.996033
6823	ENSG00000161057.12	2365.122	-0.00452	0.163289	-0.0277	0.977901	0.996033
10074	ENSG00000198846.6	1323.68	-0.00483	0.174543	-0.02766	0.977934	0.996033
7147	ENSG00000163956.13	3923.373	-0.00463	0.16801	-0.02755	0.978023	0.996033
929	ENSG00000075336.12	489.4653	0.005452	0.19841	0.027478	0.978078	0.996033
3549	ENSG00000121486.12	509.5072	0.005644	0.205826	0.027419	0.978126	0.996033
7066	ENSG00000163558.13	616.3532	-0.00595	0.217323	-0.02736	0.978169	0.996033

9689	ENSG00000196368.5	255.0112	-0.00661	0.241878	-0.02731	0.978211	0.996033
715	ENSG00000067248.10	778.878	0.004852	0.177843	0.02728	0.978236	0.996033
1232	ENSG00000087152.15	2049.862	-0.00458	0.16813	-0.02722	0.978286	0.996033
5807	ENSG00000146094.15	471.5481	-0.00586	0.216029	-0.02713	0.978354	0.996033
11194	ENSG00000273247.5	466.1404	-0.0057	0.210579	-0.02709	0.978391	0.996033
2606	ENSG00000110060.9	344.6746	-0.00587	0.218658	-0.02686	0.978569	0.996033
8803	ENSG00000178913.8	1274.653	-0.0046	0.1715	-0.02683	0.978594	0.996033
5494	ENSG00000142867.14	173.9637	0.007618	0.284265	0.026797	0.978621	0.996033
7567	ENSG00000166860.3	462.05	0.006196	0.232904	0.026605	0.978775	0.996033
5592	ENSG00000143630.10	2367.308	-0.00417	0.158402	-0.02634	0.978985	0.996033
1026	ENSG00000078808.18	4464.082	0.003961	0.150475	0.026326	0.978998	0.996033
6839	ENSG00000161298.18	187.796	-0.00722	0.276061	-0.02616	0.979131	0.996033
2608	ENSG00000110066.15	969.2036	-0.00467	0.179564	-0.02599	0.979268	0.996033
8917	ENSG00000180425.11	931.2846	0.004478	0.17386	0.025757	0.979451	0.996033
5733	ENSG00000145216.16	898.6095	-0.00445	0.173018	-0.0257	0.979498	0.996033
1241	ENSG00000087269.16	1523.086	0.004224	0.164537	0.02567	0.97952	0.996033
4798	ENSG00000136003.16	1001.488	-0.00436	0.169931	-0.02567	0.979521	0.996033
7251	ENSG00000164542.13	536.6317	0.005424	0.211355	0.025665	0.979525	0.996033
1824	ENSG00000101782.15	1079.874	0.004777	0.187765	0.025441	0.979703	0.996033
2341	ENSG00000106723.17	1741.16	-0.00478	0.188449	-0.02535	0.979779	0.996033
2065	ENSG00000104412.8	443.3456	0.005473	0.216242	0.025308	0.979809	0.996033
4014	ENSG00000127993.16	315.2464	0.005987	0.236999	0.025263	0.979845	0.996033
9912	ENSG00000197958.13	5870.708	0.004273	0.169814	0.025166	0.979923	0.996033
6256	ENSG00000153066.12	1617.611	-0.0043	0.170957	-0.02515	0.979939	0.996033
5418	ENSG00000141699.11	1993.897	0.004238	0.171649	0.024693	0.9803	0.996312
1138	ENSG00000083812.12	845.2084	-0.00458	0.188884	-0.02426	0.980645	0.996494
11004	ENSG00000260032.2	10127.07	0.003557	0.146713	0.024244	0.980658	0.996494
3152	ENSG00000116221.15	3276.73	0.003626	0.150214	0.024139	0.980742	0.996494
517	ENSG00000055130.17	1120.571	-0.00428	0.179656	-0.02385	0.980972	0.996639
633	ENSG00000064961.19	2886.504	0.003633	0.154571	0.023504	0.981248	0.99683
3762	ENSG00000124641.16	406.0166	0.005214	0.224818	0.02319	0.981498	0.996996
3869	ENSG00000125871.14	635.0428	0.004479	0.19639	0.022805	0.981806	0.997115
6406	ENSG00000155545.20	370.6627	0.00513	0.225138	0.022785	0.981821	0.997115
8251	ENSG00000172465.14	316.7905	0.005526	0.244652	0.022588	0.981979	0.997115
3465	ENSG00000120159.13	431.8546	-0.00464	0.205839	-0.02253	0.982028	0.997115
9148	ENSG00000183474.15	425.1536	-0.00511	0.228145	-0.0224	0.982129	0.997115
8006	ENSG00000170248.15	1737.22	-0.00371	0.165786	-0.02238	0.982142	0.997115
3117	ENSG00000115966.17	1166.907	-0.00439	0.197057	-0.02227	0.98223	0.997116
8969	ENSG00000181274.7	532.0366	0.004559	0.208079	0.021909	0.98252	0.997239
7272	ENSG00000164695.5	283.5516	-0.00546	0.251195	-0.02173	0.982667	0.997239
4873	ENSG00000136699.19	5548.806	-0.00338	0.156506	-0.02158	0.982784	0.997239
5503	ENSG00000143013.13	3055.405	-0.00343	0.159339	-0.02156	0.982801	0.997239
6154	ENSG00000151576.10	355.5736	0.005115	0.238388	0.021458	0.98288	0.997239
2449	ENSG00000108187.16	391.731	0.004623	0.215739	0.021431	0.982902	0.997239
6277	ENSG00000153485.6	428.4165	0.004688	0.22033	0.021278	0.983024	0.997239
4716	ENSG00000135423.13	393.1008	0.00449	0.213248	0.021056	0.983201	0.997239
7402	ENSG00000165678.21	2961.492	0.003307	0.157175	0.021041	0.983213	0.997239
4138	ENSG00000129824.16	2913.106	0.003299	0.157352	0.020964	0.983274	0.997239
3741	ENSG00000124406.16	2316.051	-0.00404	0.193398	-0.02091	0.983314	0.997239
2335	ENSG00000106665.16	4381.538	0.003226	0.155621	0.020729	0.983462	0.9973
3464	ENSG00000120158.12	200.3252	-0.0054	0.26306	-0.02052	0.983625	0.997377
4095	ENSG00000129158.11	413.8158	0.004282	0.213442	0.02006	0.983995	0.997663

1206	ENSG00000086189.10	212.5134	0.00527	0.264357	0.019934	0.984096	0.997677
4785	ENSG00000135930.14	1150.448	-0.00377	0.193382	-0.01952	0.984426	0.997922
8763	ENSG00000178202.13	911.2573	0.00339	0.176557	0.019199	0.984682	0.998093
10326	ENSG00000213096.11	163.0716	0.005796	0.306822	0.01889	0.984929	0.998119
10990	ENSG00000259494.2	465.8797	0.003805	0.201699	0.018862	0.984951	0.998119
6307	ENSG00000154059.11	291.3219	0.004907	0.262184	0.018715	0.985069	0.998119
1370	ENSG00000091140.14	2172.951	-0.00297	0.159177	-0.01868	0.985096	0.998119
8744	ENSG00000177981.11	714.4704	0.003853	0.207058	0.018606	0.985155	0.998119
211	ENSG00000011523.14	703.3387	0.003369	0.182015	0.018508	0.985234	0.998119
7711	ENSG00000167881.15	2470.899	-0.00296	0.16428	-0.01801	0.985631	0.998359
5643	ENSG00000144048.10	273.3188	0.004437	0.24665	0.017991	0.985646	0.998359
10449	ENSG00000215301.11	5437.366	-0.00294	0.166406	-0.0177	0.985881	0.998398
10240	ENSG00000204977.10	449.276	0.004032	0.229065	0.017601	0.985957	0.998398
866	ENSG00000072786.13	522.3896	0.004023	0.229346	0.017539	0.986006	0.998398
10014	ENSG00000198648.11	1103.326	0.003002	0.171532	0.017503	0.986035	0.998398
10774	ENSG00000243156.9	1302.961	0.003145	0.182878	0.017197	0.986279	0.998463
7982	ENSG00000169991.11	353.1965	-0.00427	0.249326	-0.01711	0.986347	0.998463
8257	ENSG00000172530.20	354.8735	0.003836	0.224426	0.017093	0.986363	0.998463
4528	ENSG00000133678.14	510.058	-0.00375	0.223217	-0.01679	0.986605	0.998547
6492	ENSG00000156876.10	279.9124	0.003957	0.235985	0.016769	0.986621	0.998547
5567	ENSG00000143458.12	202.4445	0.004374	0.264719	0.016523	0.986817	0.998577
536	ENSG00000057593.14	911.2711	-0.00316	0.19109	-0.01651	0.986826	0.998577
8469	ENSG00000174840.9	774.6903	-0.00333	0.205248	-0.01621	0.987067	0.998624
3189	ENSG00000116675.16	610.6851	0.003077	0.190145	0.016181	0.98709	0.998624
2795	ENSG00000112249.14	1158.789	-0.00306	0.189764	-0.01612	0.987136	0.998624
10178	ENSG00000204348.10	1357.881	0.002848	0.178044	0.015997	0.987237	0.998638
5927	ENSG00000147872.10	814.7992	0.002934	0.186923	0.015698	0.987476	0.998654
2725	ENSG00000111667.13	3730.675	0.002524	0.160968	0.015678	0.987491	0.998654
4061	ENSG00000128656.15	1140.646	-0.00263	0.169511	-0.01554	0.987605	0.998654
3763	ENSG00000124659.7	1363.332	0.002709	0.176521	0.015344	0.987758	0.998654
4543	ENSG00000133835.17	1734.418	0.002395	0.157453	0.01521	0.987865	0.998654
9964	ENSG00000198270.13	278.1983	-0.00357	0.235924	-0.01513	0.98793	0.998654
5441	ENSG00000142149.9	173.9403	0.004355	0.288155	0.015114	0.987941	0.998654
8110	ENSG00000171148.13	3745.666	-0.00231	0.152784	-0.0151	0.987954	0.998654
3450	ENSG00000119938.9	523.6335	-0.00314	0.209869	-0.01495	0.988074	0.998686
8526	ENSG00000175354.20	515.8586	-0.00294	0.198343	-0.01484	0.988164	0.998688
9406	ENSG00000185950.9	1651.97	0.002569	0.17491	0.014686	0.988283	0.99872
7207	ENSG00000164187.7	450.9277	0.003392	0.233432	0.014529	0.988408	0.998735
1444	ENSG00000095380.11	787.1241	0.002606	0.182277	0.014299	0.988592	0.998735
7037	ENSG00000163428.4	1631.984	0.002327	0.162995	0.014279	0.988608	0.998735
1703	ENSG00000100867.15	267.9991	0.004463	0.313682	0.014227	0.988649	0.998735
594	ENSG00000062725.10	663.7924	-0.00275	0.196074	-0.01403	0.988808	0.998743
10472	ENSG00000218510.8	322.0637	0.003339	0.240353	0.013891	0.988917	0.998743
8553	ENSG00000175707.9	1226.386	0.002468	0.177737	0.013888	0.988919	0.998743
3371	ENSG00000119231.11	881.0744	0.002429	0.178016	0.013643	0.989115	0.998852
6548	ENSG00000157693.15	376.1456	-0.00349	0.265727	-0.01314	0.989519	0.999171
3615	ENSG00000122643.22	776.4678	0.00235	0.180764	0.013002	0.989626	0.999191
5714	ENSG00000144848.11	1203.437	0.002126	0.168114	0.012647	0.989909	0.999388
6379	ENSG00000155100.11	516.1412	-0.0029	0.232874	-0.01245	0.990068	0.99946
7217	ENSG00000164252.13	1174.637	-0.00199	0.166729	-0.01196	0.990454	0.999638
754	ENSG00000068697.7	3125.783	-0.00186	0.156848	-0.01183	0.990561	0.999638
7437	ENSG00000165934.13	1428.719	-0.00216	0.183442	-0.01179	0.990591	0.999638

3262	ENSG00000117450.14	2104.915	-0.0018	0.155971	-0.01157	0.990768	0.999638
482	ENSG00000051596.10	784.4148	-0.00225	0.195127	-0.01153	0.990804	0.999638
8496	ENSG00000175110.11	410.2778	-0.00244	0.211735	-0.01152	0.990807	0.999638
4282	ENSG00000131100.13	1871.208	0.001875	0.164486	0.011397	0.990906	0.999638
9989	ENSG00000198492.16	1938.933	0.001804	0.159189	0.011333	0.990958	0.999638
10487	ENSG00000221886.4	191.8893	-0.00302	0.268737	-0.01124	0.991035	0.999638
7844	ENSG00000168884.15	636.7004	0.002158	0.19708	0.010948	0.991265	0.999687
6364	ENSG00000154889.17	268.0857	0.002619	0.243317	0.010762	0.991413	0.999687
4109	ENSG00000129315.11	599.5986	-0.00255	0.238628	-0.0107	0.991462	0.999687
3145	ENSG00000116191.17	655.2416	-0.00251	0.23624	-0.01063	0.991516	0.999687
4447	ENSG00000132781.19	844.8499	0.001877	0.181285	0.010353	0.991739	0.999687
3390	ENSG00000119414.12	1274.944	-0.00181	0.174851	-0.01034	0.991749	0.999687
1132	ENSG00000083635.8	283.8829	-0.0026	0.252049	-0.01031	0.991776	0.999687
4894	ENSG00000136824.19	3699.675	0.001533	0.149649	0.010246	0.991825	0.999687
8191	ENSG00000171843.17	264.3047	-0.0029	0.285016	-0.01016	0.99189	0.999687
630	ENSG00000064726.10	1641.838	0.001793	0.179451	0.009991	0.992028	0.999687
835	ENSG00000071794.16	1560.411	-0.00187	0.188426	-0.00992	0.992082	0.999687
5407	ENSG00000141627.14	1200.74	-0.00182	0.184916	-0.00983	0.99216	0.999687
10410	ENSG00000214293.9	269.0893	0.002373	0.247175	0.009599	0.992341	0.999687
3481	ENSG00000120549.18	196.3851	0.002769	0.294433	0.009404	0.992497	0.999687
8859	ENSG00000179523.5	334.3542	0.002281	0.243124	0.009383	0.992513	0.999687
6931	ENSG00000162604.12	367.682	-0.00205	0.218866	-0.00935	0.992537	0.999687
3448	ENSG00000119927.14	165.3639	-0.00287	0.308305	-0.0093	0.992576	0.999687
10849	ENSG00000248643.5	157.2192	-0.00318	0.346628	-0.00917	0.992687	0.999687
5675	ENSG00000144524.18	1192.558	-0.00154	0.17006	-0.00908	0.992751	0.999687
5657	ENSG00000144290.17	203.0709	0.002693	0.307629	0.008755	0.993015	0.999732
5140	ENSG00000138756.17	781.2232	-0.0018	0.206717	-0.00872	0.993045	0.999732
9114	ENSG00000183036.11	436.157	0.001757	0.208432	0.008428	0.993275	0.999732
11185	ENSG00000273015.2	662.2772	-0.00153	0.184281	-0.0083	0.99338	0.999732
4135	ENSG00000129696.13	360.5395	-0.00175	0.216281	-0.0081	0.993533	0.999732
6472	ENSG00000156603.19	388.358	-0.00175	0.217787	-0.00803	0.993593	0.999732
10760	ENSG00000242125.3	844.4572	0.001527	0.191102	0.007992	0.993623	0.999732
11047	ENSG00000261796.1	219.98	-0.00232	0.29354	-0.00789	0.993705	0.999732
1301	ENSG00000089157.16	37394.17	0.001124	0.143618	0.007823	0.993758	0.999732
7382	ENSG00000165533.19	507.2712	-0.00165	0.216884	-0.00761	0.993925	0.999732
10782	ENSG00000243479.3	326.6092	0.001755	0.23083	0.007604	0.993933	0.999732
6287	ENSG00000153774.9	1651.719	-0.00124	0.163827	-0.00757	0.993957	0.999732
7149	ENSG00000163961.4	715.7762	-0.00136	0.182485	-0.00743	0.994073	0.999732
7845	ENSG00000168887.11	1763.325	-0.00117	0.160722	-0.00725	0.994215	0.999732
7396	ENSG00000165660.8	213.8196	0.001999	0.276173	0.007239	0.994224	0.999732
1457	ENSG00000096060.15	851.9411	0.001412	0.198993	0.007094	0.99434	0.999732
10147	ENSG00000204130.14	266.5529	0.001875	0.270061	0.006942	0.994461	0.999732
3081	ENSG00000115568.15	1557.295	0.001193	0.172277	0.006927	0.994473	0.999732
245	ENSG00000014123.10	603.9665	0.001571	0.227176	0.006915	0.994482	0.999732
9860	ENSG00000197548.12	403.3535	0.001628	0.251171	0.006481	0.994829	0.999732
5817	ENSG00000146263.11	460.6303	0.001432	0.232815	0.006152	0.995091	0.999732
4761	ENSG00000135766.9	644.314	-0.00119	0.200495	-0.00595	0.995256	0.999732
10090	ENSG00000198890.9	1275.346	0.000992	0.167025	0.005939	0.995261	0.999732
7140	ENSG00000163935.14	546.1528	-0.00128	0.219364	-0.00582	0.995358	0.999732
2550	ENSG00000109189.13	192.928	0.001659	0.286851	0.005784	0.995385	0.999732
8985	ENSG00000181588.16	1419.971	-0.00109	0.190195	-0.00571	0.995446	0.999732
7545	ENSG00000166704.11	338.6245	-0.00137	0.239912	-0.0057	0.995452	0.999732

9155	ENSG00000183513.9	465.1427	-0.00113	0.203878	-0.00553	0.99559	0.999732
10602	ENSG00000230606.11	392.9333	0.001518	0.275981	0.0055	0.995612	0.999732
8348	ENSG00000173531.15	410.3453	0.001352	0.247642	0.005458	0.995645	0.999732
10814	ENSG00000245060.8	464.9325	-0.0011	0.208137	-0.00529	0.995783	0.999732
6355	ENSG00000154781.16	370.6983	0.001186	0.229887	0.005157	0.995885	0.999732
10683	ENSG00000237149.5	275.5012	-0.0012	0.236826	-0.00508	0.995944	0.999732
535	ENSG00000057294.15	313.7679	-0.00114	0.22598	-0.00503	0.995986	0.999732
5689	ENSG00000144635.9	830.4138	-0.00092	0.188403	-0.00487	0.996118	0.999732
7621	ENSG00000167264.18	313.409	0.001129	0.235849	0.004786	0.996181	0.999732
7981	ENSG00000169981.11	160.5728	-0.00135	0.293571	-0.0046	0.996326	0.999732
7809	ENSG00000168569.8	416.2583	-0.00098	0.216451	-0.00452	0.996396	0.999732
10841	ENSG00000248092.8	566.4364	-0.00087	0.19217	-0.00451	0.996404	0.999732
8072	ENSG00000170836.12	447.9649	0.000903	0.202628	0.004457	0.996444	0.999732
7096	ENSG00000163703.19	1747.645	-0.00067	0.160936	-0.00418	0.996668	0.999732
10717	ENSG00000240184.7	233.2003	-0.00107	0.259318	-0.00411	0.996721	0.999732
2253	ENSG00000105865.11	176.6977	-0.00111	0.276612	-0.00401	0.9968	0.999732
3332	ENSG00000118482.12	1387.22	0.00074	0.195217	0.003792	0.996974	0.999732
5089	ENSG00000138381.10	787.1892	0.000688	0.185521	0.003711	0.997039	0.999732
9660	ENSG00000196177.13	247.3757	0.000898	0.260649	0.003446	0.99725	0.999732
6598	ENSG00000158411.11	314.8292	-0.0008	0.23359	-0.00343	0.997262	0.999732
16	ENSG00000002549.12	695.0089	-0.00063	0.187503	-0.00335	0.997324	0.999732
9041	ENSG00000182253.15	536.6621	-0.00064	0.200114	-0.0032	0.997451	0.999732
452	ENSG00000049167.15	225.0214	-0.00086	0.275859	-0.00312	0.997508	0.999732
8201	ENSG00000171928.14	784.1367	-0.00055	0.177955	-0.00311	0.997517	0.999732
10860	ENSG00000249673.7	431.2246	-0.00063	0.208369	-0.00301	0.997598	0.999732
5760	ENSG00000145495.16	2800.825	-0.00045	0.154145	-0.00293	0.997661	0.999732
72	ENSG00000005483.21	1666.844	0.000478	0.170476	0.002805	0.997762	0.999732
5780	ENSG00000145817.17	827.9693	0.000542	0.194576	0.002786	0.997777	0.999732
6145	ENSG00000151470.13	296.8494	-0.00069	0.252177	-0.00274	0.997811	0.999732
3306	ENSG00000117899.11	1523.473	-0.00043	0.165892	-0.00261	0.997915	0.999732
4987	ENSG00000137478.15	461.1861	0.000506	0.201403	0.002512	0.997995	0.999732
1086	ENSG00000081307.13	773.6583	0.00046	0.184122	0.002496	0.998008	0.999732
10498	ENSG00000221990.4	374.8327	0.000552	0.227567	0.002426	0.998064	0.999732
5524	ENSG00000143190.23	866.1916	-0.00044	0.198867	-0.00223	0.998222	0.999788
7853	ENSG00000168917.9	600.1176	0.000399	0.194261	0.002054	0.998361	0.999788
4840	ENSG00000136319.12	310.2555	-0.00043	0.239019	-0.0018	0.998564	0.999788
9383	ENSG00000185730.8	376.4787	-0.00043	0.244685	-0.00174	0.99861	0.999788
176	ENSG00000010270.13	755.0574	-0.00033	0.194147	-0.00172	0.998625	0.999788
5593	ENSG00000143633.13	195.2928	-0.00043	0.270907	-0.00159	0.998728	0.999788
4433	ENSG00000132664.12	346.491	0.000341	0.234422	0.001453	0.998841	0.999788
10905	ENSG00000254004.7	490.1133	0.000273	0.213978	0.001276	0.998982	0.999788
9434	ENSG00000186298.12	2413.535	-0.00019	0.164907	-0.00113	0.999095	0.999788
1085	ENSG00000081181.8	767.9426	-0.00022	0.197869	-0.00113	0.999101	0.999788
7343	ENSG00000165246.14	312.6324	-0.00026	0.240868	-0.00109	0.999127	0.999788
10017	ENSG00000198677.12	2114.847	0.000178	0.172133	0.001037	0.999173	0.999788
7515	ENSG00000166451.13	495.2313	0.00018	0.203596	0.000882	0.999296	0.999823
6691	ENSG00000159685.11	233.1578	0.000138	0.248751	0.000556	0.999556	0.999851
2557	ENSG00000109339.24	633.5861	-0.0001	0.195031	-0.00052	0.999584	0.999851
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ENSG00000100000 MED18
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	Gene.stable	baseMean	log2FoldCh	lfcSE	stat	pvalue	padj	Gene.stable
10280	ENSG00000	445.0836	2.001377	0.628596	3.183887	0.001453	0.042793	ENSG00000
10729	ENSG00000	1416.153	1.596051	0.253907	6.285967	3.26E-10	1.01E-06	ENSG00000
5491	ENSG00000	457.0967	1.365177	0.216576	6.30345	2.91E-10	1.01E-06	ENSG00000
10067	ENSG00000	382.5031	1.317761	0.243754	5.406114	6.44E-08	4.60E-05	ENSG00000
10231	ENSG00000	676.233	1.279651	0.203999	6.27284	3.55E-10	1.01E-06	ENSG00000
11101	ENSG00000	455.2938	1.264564	0.262759	4.812633	1.49E-06	0.000585	ENSG00000
7976	ENSG00000	735.2099	1.196024	0.211001	5.668327	1.44E-08	1.49E-05	ENSG00000
1497	ENSG00000	676.6178	1.190356	0.221474	5.3747	7.67E-08	4.60E-05	ENSG00000
10636	ENSG00000	175.2187	1.175033	0.282816	4.154767	3.26E-05	0.004075	ENSG00000
783	ENSG00000	941.9234	1.158193	0.253547	4.567958	4.92E-06	0.001438	ENSG00000
11151	ENSG00000	231.4317	1.116021	0.257749	4.329877	1.49E-05	0.002718	ENSG00000
4257	ENSG00000	1250.591	1.087907	0.185128	5.87651	4.19E-09	6.01E-06	ENSG00000
8164	ENSG00000	380.184	1.080925	0.275921	3.917517	8.95E-05	0.00743	ENSG00000
8667	ENSG00000	189.2607	1.075515	0.311115	3.45697	0.000546	0.022791	ENSG00000
9476	ENSG00000	3573.196	1.070503	0.197723	5.414155	6.16E-08	4.60E-05	ENSG00000
5035	ENSG00000	2687.779	1.05386	0.173026	6.090771	1.12E-09	2.56E-06	ENSG00000
11336	ENSG00000	377.2428	1.04845	0.255233	4.107813	3.99E-05	0.004357	ENSG00000
7941	ENSG00000	8474.003	1.025035	0.173702	5.901098	3.61E-09	6.01E-06	ENSG00000
10565	ENSG00000	949.7928	1.017987	0.214906	4.736884	2.17E-06	0.000772	ENSG00000
10819	ENSG00000	1084.233	1.005448	0.183119	5.490687	4.00E-08	3.51E-05	ENSG00000
10262	ENSG00000	221.2693	1.00074	0.34285	2.918887	0.003513	0.07377	ENSG00000
10851	ENSG00000	338.3044	0.981946	0.231638	4.239143	2.24E-05	0.003346	ENSG00000
1137	ENSG00000	364.4053	0.976654	0.226011	4.32127	1.55E-05	0.002718	ENSG00000
4221	ENSG00000	2099.125	0.975436	0.173296	5.628722	1.82E-08	1.72E-05	ENSG00000
94	ENSG00000	258.303	0.974073	0.24753	3.935175	8.31E-05	0.007226	ENSG00000
4384	ENSG00000	1975.537	0.961724	0.221536	4.34117	1.42E-05	0.00269	ENSG00000
6725	ENSG00000	603.5779	0.940898	0.208874	4.504616	6.65E-06	0.001683	ENSG00000
11355	ENSG00000	195.5836	0.936376	0.284424	3.29218	0.000994	0.033454	ENSG00000
5390	ENSG00000	864.0327	0.930424	0.184172	5.051916	4.37E-07	0.000226	ENSG00000
5389	ENSG00000	202.2842	0.924077	0.327593	2.820809	0.00479	0.088433	ENSG00000
11334	ENSG00000	246.7045	0.922601	0.302908	3.045812	0.002321	0.057443	ENSG00000
4292	ENSG00000	156.9422	0.921051	0.346465	2.65842	0.007851	0.123531	ENSG00000
4148	ENSG00000	2179.233	0.919406	0.158231	5.81054	6.23E-09	7.88E-06	ENSG00000
11200	ENSG00000	383.6134	0.919322	0.241661	3.804176	0.000142	0.009924	ENSG00000
2444	ENSG00000	11046.83	0.918952	0.199184	4.613591	3.96E-06	0.001218	ENSG00000
9002	ENSG00000	319.1821	0.912659	0.289516	3.152361	0.00162	0.045544	ENSG00000
5027	ENSG00000	159.4557	0.912361	0.319074	2.859401	0.004244	0.081917	ENSG00000
3519	ENSG00000	170.081	0.912132	0.320442	2.846479	0.004421	0.083895	ENSG00000
2656	ENSG00000	361.2596	0.907406	0.321694	2.820714	0.004792	0.088433	ENSG00000
7340	ENSG00000	209.8093	0.907097	0.286442	3.166776	0.001541	0.044661	ENSG00000
8360	ENSG00000	1107.918	0.899321	0.200974	4.474805	7.65E-06	0.001801	ENSG00000
1361	ENSG00000	2866.305	0.891483	0.165402	5.389815	7.05E-08	4.60E-05	ENSG00000
4506	ENSG00000	666.0051	0.890838	0.21049	4.23221	2.31E-05	0.003346	ENSG00000
9459	ENSG00000	608.1005	0.88806	0.209868	4.23151	2.32E-05	0.003346	ENSG00000
4236	ENSG00000	1762.178	0.88294	0.206	4.28612	1.82E-05	0.003045	ENSG00000
10780	ENSG00000	1650.731	0.879471	0.194724	4.516511	6.29E-06	0.001627	ENSG00000
11097	ENSG00000	720.8178	0.878127	0.212039	4.141341	3.45E-05	0.004183	ENSG00000
9940	ENSG00000	894.9058	0.870386	0.181446	4.796944	1.61E-06	0.000611	ENSG00000
9086	ENSG00000	4393.808	0.868317	0.179555	4.835949	1.33E-06	0.000539	ENSG00000
2679	ENSG00000	179.5918	0.866623	0.313319	2.765944	0.005676	0.099359	ENSG00000
9521	ENSG00000	5252.561	0.863852	0.147035	5.875129	4.23E-09	6.01E-06	ENSG00000

83	ENSG00000	1163.161	0.863364	0.18435	4.683292	2.82E-06	0.000929	ENSG00000
6213	ENSG00000	264.9958	0.862915	0.26001	3.318782	0.000904	0.03158	ENSG00000
4841	ENSG00000	817.7878	0.859419	0.227507	3.777554	0.000158	0.010452	ENSG00000
3570	ENSG00000	3898.117	0.854608	0.149563	5.714034	1.10E-08	1.26E-05	ENSG00000
9498	ENSG00000	5544.035	0.850665	0.172305	4.936982	7.93E-07	0.000347	ENSG00000
9361	ENSG00000	725.0767	0.849333	0.187837	4.521646	6.14E-06	0.001625	ENSG00000
3782	ENSG00000	736.9116	0.84894	0.217776	3.898235	9.69E-05	0.007662	ENSG00000
6626	ENSG00000	2092.454	0.848451	0.172623	4.915039	8.88E-07	0.000374	ENSG00000
10177	ENSG00000	2264.167	0.848377	0.166603	5.092203	3.54E-07	0.000202	ENSG00000
8662	ENSG00000	272.0416	0.847945	0.271229	3.126313	0.00177	0.047992	ENSG00000
10556	ENSG00000	323.9392	0.847392	0.24126	3.512358	0.000444	0.019863	ENSG00000
9093	ENSG00000	727.9469	0.846893	0.22795	3.715259	0.000203	0.011915	ENSG00000
10003	ENSG00000	405.3213	0.845688	0.221237	3.822537	0.000132	0.00958	ENSG00000
5971	ENSG00000	170.6377	0.845242	0.312564	2.704224	0.006846	0.113892	ENSG00000
15	ENSG00000	3230.503	0.83908	0.187028	4.486373	7.24E-06	0.001755	ENSG00000
5484	ENSG00000	1788.77	0.838325	0.185287	4.524459	6.06E-06	0.001625	ENSG00000
9193	ENSG00000	1907.194	0.834988	0.19991	4.176821	2.96E-05	0.003769	ENSG00000
1932	ENSG00000	2153.532	0.833933	0.187849	4.439382	9.02E-06	0.001938	ENSG00000
8546	ENSG00000	1303.102	0.833741	0.213697	3.901505	9.56E-05	0.007662	ENSG00000
7051	ENSG00000	10010.11	0.830861	0.176361	4.711127	2.46E-06	0.00085	ENSG00000
3888	ENSG00000	2749.412	0.829032	0.188958	4.387382	1.15E-05	0.002333	ENSG00000
1558	ENSG00000	848.6459	0.828106	0.191618	4.321649	1.55E-05	0.002718	ENSG00000
882	ENSG00000	804.3434	0.825455	0.182405	4.525404	6.03E-06	0.001625	ENSG00000
8854	ENSG00000	9968.019	0.82243	0.152939	5.3775	7.55E-08	4.60E-05	ENSG00000
8028	ENSG00000	6859.594	0.818803	0.151606	5.400878	6.63E-08	4.60E-05	ENSG00000
8093	ENSG00000	489.4391	0.81597	0.215356	3.788937	0.000151	0.01017	ENSG00000
7618	ENSG00000	89140.96	0.8143	0.162049	5.02502	5.03E-07	0.000239	ENSG00000
5577	ENSG00000	1943.103	0.814155	0.197821	4.11562	3.86E-05	0.004333	ENSG00000
11111	ENSG00000	1258.926	0.809982	0.187239	4.325939	1.52E-05	0.002718	ENSG00000
11231	ENSG00000	389.6688	0.809688	0.225217	3.59515	0.000324	0.015913	ENSG00000
2401	ENSG00000	318.1223	0.808575	0.306154	2.641071	0.008264	0.128212	ENSG00000
6874	ENSG00000	493.82	0.808048	0.206356	3.91579	9.01E-05	0.00743	ENSG00000
4310	ENSG00000	286.5514	0.804889	0.237311	3.391706	0.000695	0.026364	ENSG00000
8187	ENSG00000	206.3384	0.802233	0.272848	2.940216	0.00328	0.069808	ENSG00000
5959	ENSG00000	3548.896	0.800758	0.161316	4.963905	6.91E-07	0.000315	ENSG00000
10138	ENSG00000	366.3955	0.798419	0.218493	3.654212	0.000258	0.013413	ENSG00000
10961	ENSG00000	271.5533	0.797921	0.262733	3.037007	0.002389	0.058206	ENSG00000
1512	ENSG00000	1854.558	0.797757	0.17856	4.467712	7.91E-06	0.001801	ENSG00000
9479	ENSG00000	6546.866	0.795852	0.192315	4.138273	3.50E-05	0.004194	ENSG00000
6670	ENSG00000	16972.66	0.795157	0.191746	4.14694	3.37E-05	0.004132	ENSG00000
9478	ENSG00000	386.435	0.794723	0.234501	3.388988	0.000702	0.026376	ENSG00000
7432	ENSG00000	1021.319	0.793302	0.214961	3.69045	0.000224	0.012495	ENSG00000
5468	ENSG00000	559.3702	0.791532	0.252252	3.137866	0.001702	0.046922	ENSG00000
10554	ENSG00000	333.701	0.787697	0.25925	3.038369	0.002379	0.058206	ENSG00000
8801	ENSG00000	1185.879	0.785849	0.216285	3.633395	0.00028	0.014283	ENSG00000
4162	ENSG00000	3640.139	0.784901	0.175545	4.471221	7.78E-06	0.001801	ENSG00000
8717	ENSG00000	6378.259	0.783415	0.187595	4.1761	2.97E-05	0.003769	ENSG00000
1761	ENSG00000	1839.712	0.782748	0.202725	3.861126	0.000113	0.008684	ENSG00000
9126	ENSG00000	1129.415	0.780163	0.186155	4.190939	2.78E-05	0.003678	ENSG00000
10635	ENSG00000	1059.787	0.779173	0.200658	3.883095	0.000103	0.008044	ENSG00000
8292	ENSG00000	3628.461	0.778867	0.154475	5.042013	4.61E-07	0.000228	ENSG00000
10109	ENSG00000	3071.682	0.778742	0.174707	4.457428	8.29E-06	0.001838	ENSG00000

9205	ENSG00000	344.7384	0.778709	0.295005	2.639651	0.008299	0.128575	ENSG00000
7948	ENSG00000	4573.015	0.778446	0.189809	4.101199	4.11E-05	0.004374	ENSG00000
8575	ENSG00000	570.4342	0.778361	0.264249	2.945558	0.003224	0.069262	ENSG00000
7560	ENSG00000	687.6741	0.778172	0.192837	4.035378	5.45E-05	0.005306	ENSG00000
9684	ENSG00000	725.4343	0.775663	0.195605	3.965449	7.33E-05	0.006649	ENSG00000
6755	ENSG00000	10937.91	0.775589	0.172573	4.494261	6.98E-06	0.001728	ENSG00000
4036	ENSG00000	1091.813	0.774577	0.20542	3.770701	0.000163	0.01053	ENSG00000
11338	ENSG00000	773.7351	0.773627	0.192918	4.010142	6.07E-05	0.005758	ENSG00000
9617	ENSG00000	306.5305	0.772723	0.229725	3.363681	0.000769	0.02798	ENSG00000
10333	ENSG00000	388.3643	0.770407	0.234404	3.286664	0.001014	0.033951	ENSG00000
8288	ENSG00000	6243.264	0.768322	0.173708	4.423065	9.73E-06	0.002052	ENSG00000
5023	ENSG00000	28257.3	0.767763	0.169798	4.52164	6.14E-06	0.001625	ENSG00000
1500	ENSG00000	4492.156	0.766934	0.185879	4.125992	3.69E-05	0.004289	ENSG00000
7608	ENSG00000	1134.463	0.765061	0.182051	4.202458	2.64E-05	0.003579	ENSG00000
2833	ENSG00000	1610.237	0.764024	0.194799	3.922113	8.78E-05	0.007425	ENSG00000
2111	ENSG00000	12389.41	0.76274	0.185337	4.115418	3.86E-05	0.004333	ENSG00000
4139	ENSG00000	1613.865	0.762318	0.181838	4.19228	2.76E-05	0.003678	ENSG00000
3314	ENSG00000	737.4413	0.762082	0.259153	2.940667	0.003275	0.069808	ENSG00000
4024	ENSG00000	3847.368	0.761947	0.17517	4.349765	1.36E-05	0.002651	ENSG00000
10398	ENSG00000	942.554	0.759792	0.200041	3.798176	0.000146	0.010057	ENSG00000
10270	ENSG00000	720.5224	0.758437	0.200115	3.79001	0.000151	0.01017	ENSG00000
7288	ENSG00000	4870.844	0.756928	0.213834	3.539789	0.0004	0.01824	ENSG00000
10355	ENSG00000	2769.256	0.755505	0.18367	4.113392	3.90E-05	0.004333	ENSG00000
7464	ENSG00000	1097.902	0.754793	0.210242	3.59012	0.000331	0.015985	ENSG00000
5431	ENSG00000	1290.93	0.754234	0.20283	3.718556	0.0002	0.011883	ENSG00000
1567	ENSG00000	1459.835	0.754222	0.180648	4.175095	2.98E-05	0.003769	ENSG00000
8646	ENSG00000	3515.345	0.753643	0.176537	4.269027	1.96E-05	0.003194	ENSG00000
8673	ENSG00000	1008.613	0.752252	0.170246	4.418607	9.93E-06	0.002057	ENSG00000
1509	ENSG00000	1408.848	0.75002	0.174157	4.306585	1.66E-05	0.002818	ENSG00000
5922	ENSG00000	741.5054	0.748209	0.199868	3.743515	0.000181	0.011291	ENSG00000
1910	ENSG00000	509.6737	0.747434	0.229902	3.251105	0.00115	0.036565	ENSG00000
9294	ENSG00000	3317.84	0.747312	0.177128	4.219051	2.45E-05	0.003408	ENSG00000
10513	ENSG00000	1558.104	0.746046	0.178138	4.188034	2.81E-05	0.003683	ENSG00000
7688	ENSG00000	2469.761	0.745646	0.185904	4.010924	6.05E-05	0.005758	ENSG00000
8326	ENSG00000	3774.64	0.744674	0.162667	4.577902	4.70E-06	0.001407	ENSG00000
9102	ENSG00000	317.0078	0.743905	0.245046	3.035773	0.002399	0.058206	ENSG00000
1523	ENSG00000	251.477	0.740573	0.261888	2.827821	0.004687	0.087044	ENSG00000
8241	ENSG00000	1815.2	0.740281	0.180484	4.101651	4.10E-05	0.004374	ENSG00000
1927	ENSG00000	1465.979	0.740029	0.194912	3.796728	0.000147	0.010057	ENSG00000
9788	ENSG00000	2050.356	0.738916	0.17969	4.112177	3.92E-05	0.004333	ENSG00000
9339	ENSG00000	824.7511	0.738516	0.218248	3.383834	0.000715	0.0266	ENSG00000
10630	ENSG00000	5873.215	0.738117	0.179486	4.11239	3.92E-05	0.004333	ENSG00000
1503	ENSG00000	3129.311	0.737029	0.169508	4.348053	1.37E-05	0.002651	ENSG00000
2402	ENSG00000	323.0293	0.736863	0.246378	2.990789	0.002783	0.064011	ENSG00000
9724	ENSG00000	984.7225	0.735912	0.205926	3.573669	0.000352	0.016716	ENSG00000
8083	ENSG00000	21445.69	0.735177	0.170001	4.324543	1.53E-05	0.002718	ENSG00000
6594	ENSG00000	5437.661	0.734731	0.157859	4.65436	3.25E-06	0.001028	ENSG00000
638	ENSG00000	474.9178	0.734695	0.20412	3.599337	0.000319	0.015795	ENSG00000
6828	ENSG00000	1472.771	0.734605	0.191973	3.8266	0.00013	0.009545	ENSG00000
7751	ENSG00000	1684.635	0.734592	0.177805	4.131458	3.60E-05	0.004248	ENSG00000
3516	ENSG00000	1300.353	0.734318	0.190265	3.859447	0.000114	0.008685	ENSG00000
9179	ENSG00000	3831.832	0.733364	0.154721	4.73991	2.14E-06	0.000772	ENSG00000

3185	ENSG00000	281.69	0.733315	0.254427	2.882225	0.003949	0.078336	ENSG00000
7472	ENSG00000	1534.417	0.733237	0.186423	3.933197	8.38E-05	0.007231	ENSG00000
8954	ENSG00000	2987.711	0.732491	0.172585	4.244238	2.19E-05	0.003346	ENSG00000
1511	ENSG00000	1902.577	0.731958	0.206325	3.547595	0.000389	0.01785	ENSG00000
7940	ENSG00000	1836.657	0.731783	0.171385	4.269822	1.96E-05	0.003194	ENSG00000
5012	ENSG00000	1309.963	0.731265	0.172016	4.251132	2.13E-05	0.003346	ENSG00000
3603	ENSG00000	3310.29	0.730698	0.179018	4.081701	4.47E-05	0.004586	ENSG00000
1971	ENSG00000	1906.309	0.730594	0.211728	3.450625	0.000559	0.022827	ENSG00000
1453	ENSG00000	5107.004	0.730023	0.178628	4.086838	4.37E-05	0.004586	ENSG00000
10234	ENSG00000	1191.706	0.729934	0.179132	4.074843	4.60E-05	0.004681	ENSG00000
8186	ENSG00000	691.6356	0.728828	0.21182	3.440783	0.00058	0.023339	ENSG00000
8918	ENSG00000	464.0661	0.727394	0.237222	3.066294	0.002167	0.055087	ENSG00000
9110	ENSG00000	5670.749	0.726691	0.155246	4.680905	2.86E-06	0.000929	ENSG00000
3408	ENSG00000	661.3344	0.726578	0.230304	3.154867	0.001606	0.045443	ENSG00000
9477	ENSG00000	1225.273	0.725565	0.197536	3.673081	0.00024	0.012994	ENSG00000
6315	ENSG00000	1215.621	0.725149	0.20354	3.562693	0.000367	0.017201	ENSG00000
9047	ENSG00000	539.7465	0.724086	0.229126	3.160212	0.001577	0.04527	ENSG00000
10945	ENSG00000	313.0068	0.723815	0.239777	3.018696	0.002539	0.05985	ENSG00000
8552	ENSG00000	489.6309	0.723476	0.241744	2.992734	0.002765	0.063844	ENSG00000
2266	ENSG00000	845.7731	0.723207	0.19488	3.711033	0.000206	0.011992	ENSG00000
1045	ENSG00000	5874.387	0.723195	0.192383	3.759146	0.00017	0.010726	ENSG00000
10139	ENSG00000	991.7198	0.721318	0.171495	4.206066	2.60E-05	0.003565	ENSG00000
3043	ENSG00000	2988.462	0.72051	0.179246	4.019672	5.83E-05	0.005624	ENSG00000
2228	ENSG00000	670.6013	0.719236	0.227646	3.159454	0.001581	0.04527	ENSG00000
7950	ENSG00000	1889.336	0.719185	0.184672	3.894391	9.84E-05	0.007731	ENSG00000
9212	ENSG00000	787.3485	0.718611	0.183271	3.921038	8.82E-05	0.007425	ENSG00000
5271	ENSG00000	1008.59	0.718145	0.221676	3.239619	0.001197	0.03734	ENSG00000
9234	ENSG00000	2641.016	0.71636	0.195971	3.655446	0.000257	0.01341	ENSG00000
2117	ENSG00000	2562.152	0.716061	0.193897	3.692999	0.000222	0.012432	ENSG00000
8473	ENSG00000	6251.153	0.715367	0.17922	3.991567	6.56E-05	0.006126	ENSG00000
2195	ENSG00000	319.7085	0.715178	0.245202	2.916689	0.003538	0.07378	ENSG00000
3407	ENSG00000	1518.337	0.71508	0.190189	3.759841	0.00017	0.010726	ENSG00000
3232	ENSG00000	657.3818	0.714496	0.1871	3.8188	0.000134	0.009665	ENSG00000
6070	ENSG00000	5817.748	0.714465	0.169235	4.221733	2.42E-05	0.003408	ENSG00000
6853	ENSG00000	4371.086	0.714151	0.180663	3.952943	7.72E-05	0.006814	ENSG00000
5430	ENSG00000	880.3747	0.713888	0.237081	3.011158	0.002603	0.061229	ENSG00000
7851	ENSG00000	3425.782	0.71267	0.167228	4.261664	2.03E-05	0.003254	ENSG00000
2963	ENSG00000	1478.932	0.712624	0.181808	3.919649	8.87E-05	0.007425	ENSG00000
10802	ENSG00000	2077.049	0.712301	0.19358	3.679627	0.000234	0.012793	ENSG00000
6812	ENSG00000	2256.269	0.711997	0.162698	4.376198	1.21E-05	0.002413	ENSG00000
3733	ENSG00000	556.3595	0.711619	0.215598	3.30067	0.000965	0.032884	ENSG00000
7784	ENSG00000	326.6213	0.711519	0.227864	3.122557	0.001793	0.048493	ENSG00000
6900	ENSG00000	1469.687	0.710709	0.178411	3.983559	6.79E-05	0.006285	ENSG00000
127	ENSG00000	2190.479	0.71058	0.192152	3.698012	0.000217	0.012366	ENSG00000
10060	ENSG00000	5466.856	0.709226	0.174931	4.054313	5.03E-05	0.004979	ENSG00000
3828	ENSG00000	1802.455	0.708515	0.189663	3.735662	0.000187	0.011586	ENSG00000
2075	ENSG00000	396.871	0.707837	0.246688	2.869358	0.004113	0.080277	ENSG00000
7743	ENSG00000	2575.295	0.705635	0.20582	3.428412	0.000607	0.024172	ENSG00000
1621	ENSG00000	1579.9	0.705398	0.178035	3.962134	7.43E-05	0.006649	ENSG00000
8718	ENSG00000	2515.902	0.703918	0.182503	3.857026	0.000115	0.008713	ENSG00000
231	ENSG00000	8325.536	0.703783	0.157979	4.454917	8.39E-06	0.001838	ENSG00000
1929	ENSG00000	4270.505	0.703211	0.166677	4.219002	2.45E-05	0.003408	ENSG00000

11034	ENSG00000	2933.406	0.701747	0.195279	3.593562	0.000326	0.015941	ENSG00000
3652	ENSG00000	5065.051	0.701515	0.18279	3.837811	0.000124	0.009239	ENSG00000
1525	ENSG00000	792.8442	0.701471	0.179871	3.899849	9.63E-05	0.007662	ENSG00000
7979	ENSG00000	930.6817	0.701461	0.182208	3.849777	0.000118	0.008915	ENSG00000
7290	ENSG00000	12592.14	0.700069	0.218646	3.201838	0.001366	0.040919	ENSG00000
7942	ENSG00000	2103.344	0.697602	0.208636	3.343632	0.000827	0.029703	ENSG00000
3984	ENSG00000	1563.682	0.695059	0.167622	4.146575	3.37E-05	0.004132	ENSG00000
2131	ENSG00000	865.1465	0.694953	0.195558	3.553693	0.00038	0.017655	ENSG00000
2924	ENSG00000	3138.471	0.694888	0.16823	4.130575	3.62E-05	0.004248	ENSG00000
10338	ENSG00000	1621.113	0.694549	0.164073	4.233171	2.30E-05	0.003346	ENSG00000
3557	ENSG00000	1342.059	0.694204	0.183567	3.781752	0.000156	0.01037	ENSG00000
10519	ENSG00000	898.8533	0.694094	0.189112	3.670275	0.000242	0.013014	ENSG00000
9116	ENSG00000	4075.152	0.693751	0.174239	3.9816	6.85E-05	0.006286	ENSG00000
713	ENSG00000	1807.25	0.692816	0.192876	3.592022	0.000328	0.015967	ENSG00000
8866	ENSG00000	636.813	0.690216	0.191316	3.60773	0.000309	0.015495	ENSG00000
10722	ENSG00000	6019.326	0.68965	0.167943	4.106456	4.02E-05	0.004357	ENSG00000
5429	ENSG00000	4411.742	0.689603	0.18936	3.641762	0.000271	0.013952	ENSG00000
124	ENSG00000	507.1558	0.688203	0.211793	3.249414	0.001156	0.036593	ENSG00000
9026	ENSG00000	2832.684	0.686934	0.171474	4.006045	6.17E-05	0.005811	ENSG00000
6186	ENSG00000	9085.734	0.685861	0.167915	4.084577	4.42E-05	0.004586	ENSG00000
6741	ENSG00000	979.4773	0.685344	0.23081	2.969298	0.002985	0.066513	ENSG00000
1495	ENSG00000	3218.772	0.684821	0.198361	3.452401	0.000556	0.022791	ENSG00000
7454	ENSG00000	3997.163	0.684814	0.179777	3.80923	0.000139	0.009881	ENSG00000
9390	ENSG00000	4714.603	0.682721	0.194398	3.511967	0.000445	0.019863	ENSG00000
9182	ENSG00000	2283.279	0.682186	0.220006	3.100767	0.00193	0.050878	ENSG00000
1502	ENSG00000	2492.82	0.680872	0.179033	3.803044	0.000143	0.009924	ENSG00000
9051	ENSG00000	457.9034	0.680491	0.235539	2.889082	0.003864	0.077723	ENSG00000
767	ENSG00000	5936.907	0.680444	0.167279	4.067731	4.75E-05	0.004784	ENSG00000
10543	ENSG00000	4537.201	0.679113	0.199886	3.397504	0.00068	0.026149	ENSG00000
11329	ENSG00000	345.8121	0.678286	0.221431	3.063199	0.00219	0.055418	ENSG00000
2651	ENSG00000	408.5482	0.677747	0.210382	3.221498	0.001275	0.039246	ENSG00000
9166	ENSG00000	2812.337	0.675689	0.171631	3.936876	8.25E-05	0.007226	ENSG00000
6067	ENSG00000	317.06	0.675395	0.254028	2.658741	0.007843	0.123531	ENSG00000
4261	ENSG00000	5276.902	0.675251	0.17049	3.960654	7.47E-05	0.006649	ENSG00000
7428	ENSG00000	574.4811	0.675203	0.225141	2.999017	0.002709	0.062943	ENSG00000
8330	ENSG00000	5741.092	0.673282	0.182048	3.698371	0.000217	0.012366	ENSG00000
7408	ENSG00000	2162.256	0.671818	0.164573	4.082183	4.46E-05	0.004586	ENSG00000
8144	ENSG00000	673.9269	0.671152	0.213237	3.147442	0.001647	0.045968	ENSG00000
9551	ENSG00000	2589.772	0.671098	0.192994	3.477305	0.000506	0.021691	ENSG00000
9393	ENSG00000	937.7977	0.670127	0.212442	3.154397	0.001608	0.045443	ENSG00000
9402	ENSG00000	2498.412	0.670119	0.1828	3.665869	0.000246	0.013132	ENSG00000
3941	ENSG00000	10100.51	0.670073	0.194454	3.445923	0.000569	0.02305	ENSG00000
6848	ENSG00000	1014.473	0.669736	0.197629	3.388854	0.000702	0.026376	ENSG00000
3815	ENSG00000	9546.26	0.669286	0.164877	4.059316	4.92E-05	0.004916	ENSG00000
11211	ENSG00000	1391.97	0.668056	0.192424	3.471798	0.000517	0.022048	ENSG00000
11272	ENSG00000	1384.914	0.66711	0.176109	3.788054	0.000152	0.01017	ENSG00000
10348	ENSG00000	1213.338	0.666957	0.212693	3.135768	0.001714	0.047145	ENSG00000
4327	ENSG00000	557.1083	0.666868	0.204085	3.267597	0.001085	0.035348	ENSG00000
3850	ENSG00000	13040.07	0.665952	0.193184	3.447238	0.000566	0.023032	ENSG00000
916	ENSG00000	3407.323	0.665596	0.17883	3.721953	0.000198	0.011848	ENSG00000
4027	ENSG00000	2456.075	0.665399	0.173971	3.824763	0.000131	0.009555	ENSG00000
4035	ENSG00000	3581.402	0.663811	0.195164	3.401294	0.000671	0.026065	ENSG00000

10701	ENSG00000	2661.798	0.66251	0.173952	3.808584	0.00014	0.009881	ENSG00000
9112	ENSG00000	414.2255	0.66189	0.217166	3.047847	0.002305	0.057305	ENSG00000
10575	ENSG00000	1263.351	0.661433	0.207809	3.18289	0.001458	0.042793	ENSG00000
2304	ENSG00000	339.6848	0.661039	0.252668	2.616235	0.008891	0.133911	ENSG00000
8152	ENSG00000	310.6744	0.660175	0.228792	2.885482	0.003908	0.078074	ENSG00000
4232	ENSG00000	1647.491	0.659894	0.204924	3.220181	0.001281	0.03932	ENSG00000
152	ENSG00000	1016.076	0.658942	0.201689	3.267117	0.001086	0.035348	ENSG00000
8477	ENSG00000	1614.695	0.658582	0.182045	3.617682	0.000297	0.015044	ENSG00000
5422	ENSG00000	625.8083	0.657967	0.221894	2.965235	0.003025	0.067004	ENSG00000
5609	ENSG00000	5137.057	0.65745	0.167405	3.927306	8.59E-05	0.007355	ENSG00000
8610	ENSG00000	749.7276	0.656667	0.190135	3.453682	0.000553	0.022791	ENSG00000
3898	ENSG00000	798.3878	0.656049	0.177461	3.696855	0.000218	0.012366	ENSG00000
6048	ENSG00000	6633.203	0.655928	0.196301	3.341447	0.000833	0.029844	ENSG00000
1313	ENSG00000	1032.981	0.655877	0.192293	3.410818	0.000648	0.025424	ENSG00000
9920	ENSG00000	3582.41	0.655541	0.193111	3.394642	0.000687	0.02617	ENSG00000
8416	ENSG00000	890.9597	0.655205	0.20954	3.126869	0.001767	0.047992	ENSG00000
3919	ENSG00000	10516	0.655099	0.17207	3.807164	0.000141	0.009881	ENSG00000
8661	ENSG00000	575.1388	0.65497	0.206529	3.171327	0.001517	0.044079	ENSG00000
5456	ENSG00000	5685.834	0.654828	0.187588	3.490769	0.000482	0.021171	ENSG00000
4331	ENSG00000	352.9911	0.654821	0.228675	2.863541	0.004189	0.081129	ENSG00000
11245	ENSG00000	1083.09	0.654574	0.222349	2.943903	0.003241	0.069371	ENSG00000
8229	ENSG00000	372.5876	0.654094	0.21541	3.03651	0.002393	0.058206	ENSG00000
8779	ENSG00000	3160.055	0.653785	0.196627	3.324994	0.000884	0.031172	ENSG00000
6623	ENSG00000	1002.241	0.652528	0.230018	2.836862	0.004556	0.085608	ENSG00000
4788	ENSG00000	2544.576	0.652363	0.164586	3.963655	7.38E-05	0.006649	ENSG00000
8896	ENSG00000	859.2494	0.650788	0.2007	3.242591	0.001184	0.037054	ENSG00000
1973	ENSG00000	770.5701	0.650563	0.213233	3.050955	0.002281	0.056964	ENSG00000
4058	ENSG00000	1268.858	0.650519	0.209115	3.110822	0.001866	0.04987	ENSG00000
5834	ENSG00000	1470.324	0.650513	0.193721	3.357985	0.000785	0.028382	ENSG00000
7151	ENSG00000	705.1693	0.649238	0.185296	3.503785	0.000459	0.020355	ENSG00000
9597	ENSG00000	3875.144	0.649183	0.192898	3.365423	0.000764	0.027904	ENSG00000
10317	ENSG00000	768.576	0.648821	0.205378	3.159151	0.001582	0.04527	ENSG00000
2232	ENSG00000	10473	0.648328	0.18944	3.422331	0.000621	0.024548	ENSG00000
1360	ENSG00000	275.071	0.6467	0.24674	2.620976	0.008768	0.133119	ENSG00000
6759	ENSG00000	2584.916	0.646558	0.168778	3.830826	0.000128	0.009443	ENSG00000
5426	ENSG00000	878.1195	0.645625	0.175852	3.671423	0.000241	0.013014	ENSG00000
7095	ENSG00000	442.1378	0.645353	0.218274	2.956617	0.00311	0.06798	ENSG00000
8571	ENSG00000	679.0992	0.644965	0.184869	3.48877	0.000485	0.021171	ENSG00000
8123	ENSG00000	9839.162	0.643372	0.181308	3.548505	0.000387	0.01785	ENSG00000
333	ENSG00000	1627.075	0.642195	0.188889	3.399849	0.000674	0.026114	ENSG00000
1985	ENSG00000	5256.282	0.642032	0.170599	3.763409	0.000168	0.010663	ENSG00000
6765	ENSG00000	3388.39	0.641658	0.185667	3.455958	0.000548	0.022791	ENSG00000
8630	ENSG00000	1453.87	0.641176	0.216077	2.967345	0.003004	0.066734	ENSG00000
3257	ENSG00000	12834.84	0.640454	0.1698	3.771813	0.000162	0.01053	ENSG00000
3639	ENSG00000	753.0997	0.639024	0.214243	2.982709	0.002857	0.064832	ENSG00000
837	ENSG00000	2826.617	0.638673	0.179975	3.548666	0.000387	0.01785	ENSG00000
4517	ENSG00000	1476.999	0.6385	0.199129	3.206456	0.001344	0.040883	ENSG00000
397	ENSG00000	1100.62	0.638149	0.172188	3.706127	0.00021	0.012165	ENSG00000
10765	ENSG00000	5570.929	0.638131	0.169837	3.757317	0.000172	0.010745	ENSG00000
602	ENSG00000	1566.311	0.63751	0.172547	3.694696	0.00022	0.01241	ENSG00000
2621	ENSG00000	471.7466	0.63708	0.200079	3.18415	0.001452	0.042793	ENSG00000
1491	ENSG00000	439.9313	0.636901	0.221395	2.876756	0.004018	0.07943	ENSG00000

1226	ENSG00000	98765.18	0.636491	0.150023	4.242614	2.21E-05	0.003346	ENSG00000
7722	ENSG00000	3317.433	0.635572	0.189186	3.359499	0.000781	0.028317	ENSG00000
9581	ENSG00000	2378.106	0.635473	0.188599	3.369437	0.000753	0.02783	ENSG00000
8598	ENSG00000	9822.088	0.635285	0.162921	3.899343	9.65E-05	0.007662	ENSG00000
22	ENSG00000	388.4829	0.635282	0.215611	2.946422	0.003215	0.069199	ENSG00000
9546	ENSG00000	3231.941	0.634627	0.192369	3.299001	0.00097	0.032981	ENSG00000
3973	ENSG00000	3787.328	0.634571	0.191432	3.314863	0.000917	0.031928	ENSG00000
7604	ENSG00000	4723.632	0.633837	0.190695	3.32383	0.000888	0.031205	ENSG00000
6815	ENSG00000	508.6158	0.633678	0.224904	2.817547	0.004839	0.088911	ENSG00000
5481	ENSG00000	727.5389	0.633069	0.191334	3.308715	0.000937	0.032377	ENSG00000
3064	ENSG00000	3091.338	0.631801	0.156084	4.047818	5.17E-05	0.005075	ENSG00000
4361	ENSG00000	525.3265	0.631556	0.21842	2.891481	0.003834	0.077689	ENSG00000
2646	ENSG00000	6693.313	0.631128	0.146201	4.316841	1.58E-05	0.002731	ENSG00000
4028	ENSG00000	2194.938	0.629752	0.176738	3.563202	0.000366	0.017201	ENSG00000
1784	ENSG00000	3021.124	0.629227	0.196506	3.20207	0.001364	0.040919	ENSG00000
1091	ENSG00000	1181.547	0.628877	0.201539	3.120374	0.001806	0.048738	ENSG00000
8648	ENSG00000	6420.3	0.627968	0.171534	3.660898	0.000251	0.01325	ENSG00000
2186	ENSG00000	4443.823	0.627731	0.198548	3.161605	0.001569	0.045231	ENSG00000
3176	ENSG00000	1634.199	0.627011	0.170406	3.679505	0.000234	0.012793	ENSG00000
2200	ENSG00000	2195.212	0.626726	0.17986	3.484523	0.000493	0.021346	ENSG00000
8084	ENSG00000	3448.296	0.626722	0.168348	3.722765	0.000197	0.011848	ENSG00000
4017	ENSG00000	794.6299	0.626181	0.238244	2.628321	0.008581	0.131404	ENSG00000
685	ENSG00000	412.0318	0.625906	0.214492	2.918092	0.003522	0.07377	ENSG00000
8049	ENSG00000	3801.55	0.625318	0.200689	3.115863	0.001834	0.049256	ENSG00000
5420	ENSG00000	769.7175	0.625216	0.18532	3.373712	0.000742	0.027508	ENSG00000
7697	ENSG00000	3683.225	0.625191	0.165888	3.76875	0.000164	0.01053	ENSG00000
132	ENSG00000	5173.181	0.624966	0.187905	3.32596	0.000881	0.03116	ENSG00000
7179	ENSG00000	2587.803	0.624531	0.167637	3.725492	0.000195	0.011848	ENSG00000
4855	ENSG00000	918.6395	0.624089	0.205693	3.034081	0.002413	0.058206	ENSG00000
6929	ENSG00000	2593.399	0.62328	0.175846	3.544477	0.000393	0.01799	ENSG00000
4147	ENSG00000	659.1025	0.622655	0.218044	2.855636	0.004295	0.082406	ENSG00000
9111	ENSG00000	1956.01	0.619758	0.179016	3.462034	0.000536	0.02261	ENSG00000
10581	ENSG00000	1985.54	0.619458	0.169414	3.656469	0.000256	0.01341	ENSG00000
2603	ENSG00000	4799.697	0.619397	0.190466	3.25201	0.001146	0.036551	ENSG00000
8889	ENSG00000	456.8138	0.618542	0.209778	2.948559	0.003193	0.068983	ENSG00000
9428	ENSG00000	1408.252	0.618409	0.16767	3.68825	0.000226	0.012542	ENSG00000
9727	ENSG00000	9684.437	0.617728	0.165886	3.723804	0.000196	0.011848	ENSG00000
8087	ENSG00000	1303.036	0.617203	0.178039	3.466677	0.000527	0.022389	ENSG00000
7122	ENSG00000	1683.777	0.617133	0.186535	3.3084	0.000938	0.032377	ENSG00000
11128	ENSG00000	1105.352	0.616392	0.218011	2.827351	0.004693	0.087044	ENSG00000
7463	ENSG00000	8514.544	0.615876	0.158738	3.879826	0.000105	0.008097	ENSG00000
11136	ENSG00000	4221.693	0.615772	0.170906	3.602996	0.000315	0.015642	ENSG00000
8407	ENSG00000	1521.228	0.614102	0.179725	3.416891	0.000633	0.024957	ENSG00000
6810	ENSG00000	3280.909	0.613776	0.208223	2.947692	0.003202	0.069046	ENSG00000
8513	ENSG00000	3372.977	0.613677	0.191558	3.203611	0.001357	0.040883	ENSG00000
6456	ENSG00000	2199.15	0.61314	0.186693	3.284217	0.001023	0.033951	ENSG00000
639	ENSG00000	778.7671	0.61278	0.208568	2.938034	0.003303	0.07004	ENSG00000
9888	ENSG00000	436.6356	0.612643	0.215079	2.848462	0.004393	0.083607	ENSG00000
88	ENSG00000	12758.95	0.61111	0.190711	3.204383	0.001354	0.040883	ENSG00000
4145	ENSG00000	3409.007	0.610647	0.180395	3.385056	0.000712	0.0266	ENSG00000
7097	ENSG00000	1295.441	0.610415	0.164482	3.711129	0.000206	0.011992	ENSG00000
6819	ENSG00000	39051.42	0.610226	0.165049	3.697237	0.000218	0.012366	ENSG00000

7660	ENSG00000	7278.601	0.610156	0.187623	3.252039	0.001146	0.036551	ENSG00000
2967	ENSG00000	714.0913	0.609542	0.196433	3.103054	0.001915	0.050603	ENSG00000
6561	ENSG00000	1731.84	0.609153	0.163138	3.733979	0.000188	0.011601	ENSG00000
5269	ENSG00000	2227.131	0.608545	0.217016	2.804152	0.005045	0.091621	ENSG00000
10592	ENSG00000	742.0893	0.607423	0.186165	3.262814	0.001103	0.035584	ENSG00000
2496	ENSG00000	4585.617	0.60656	0.185773	3.265053	0.001094	0.035404	ENSG00000
9164	ENSG00000	797.384	0.60643	0.198949	3.048161	0.002302	0.057305	ENSG00000
3402	ENSG00000	1518.019	0.606146	0.20077	3.019105	0.002535	0.05985	ENSG00000
646	ENSG00000	1986.116	0.604837	0.187553	3.224891	0.00126	0.038889	ENSG00000
5454	ENSG00000	438.8798	0.604126	0.211661	2.854215	0.004314	0.082492	ENSG00000
6542	ENSG00000	4048.011	0.603424	0.160147	3.767935	0.000165	0.01053	ENSG00000
10637	ENSG00000	8459.938	0.603324	0.163682	3.685943	0.000228	0.012595	ENSG00000
10914	ENSG00000	720116	0.601735	0.165482	3.636265	0.000277	0.014189	ENSG00000
1212	ENSG00000	2958.21	0.600049	0.17597	3.409958	0.00065	0.025424	ENSG00000
7701	ENSG00000	6597.41	0.600042	0.196161	3.058927	0.002221	0.05596	ENSG00000
1333	ENSG00000	4688.622	0.59996	0.156096	3.843524	0.000121	0.009086	ENSG00000
189	ENSG00000	4416.626	0.599929	0.188451	3.183471	0.001455	0.042793	ENSG00000
5673	ENSG00000	17589.28	0.598281	0.18094	3.306521	0.000945	0.032497	ENSG00000
9246	ENSG00000	2110.465	0.597986	0.182349	3.279347	0.00104	0.034144	ENSG00000
131	ENSG00000	3121.97	0.597879	0.192667	3.103165	0.001915	0.050603	ENSG00000
7308	ENSG00000	651.798	0.597325	0.20027	2.982599	0.002858	0.064832	ENSG00000
8315	ENSG00000	2195.791	0.595791	0.173448	3.43499	0.000593	0.023676	ENSG00000
3893	ENSG00000	3949.152	0.59555	0.175338	3.396575	0.000682	0.026149	ENSG00000
7677	ENSG00000	1756.543	0.594848	0.180713	3.291668	0.000996	0.033454	ENSG00000
4214	ENSG00000	1656.595	0.594658	0.194515	3.057123	0.002235	0.056174	ENSG00000
6928	ENSG00000	4662.82	0.59445	0.155808	3.815263	0.000136	0.009743	ENSG00000
1953	ENSG00000	1404.692	0.594226	0.180304	3.295695	0.000982	0.033273	ENSG00000
10759	ENSG00000	432.931	0.593973	0.216005	2.74981	0.005963	0.102879	ENSG00000
6069	ENSG00000	6023.449	0.593721	0.175127	3.390232	0.000698	0.026376	ENSG00000
5870	ENSG00000	12182.53	0.593671	0.165391	3.589506	0.000331	0.015985	ENSG00000
4500	ENSG00000	1801.049	0.593595	0.170704	3.477335	0.000506	0.021691	ENSG00000
8578	ENSG00000	1690.957	0.59353	0.192244	3.087388	0.002019	0.052138	ENSG00000
11369	ENSG00000	472.897	0.593003	0.223202	2.6568	0.007889	0.1239	ENSG00000
4646	ENSG00000	1740.66	0.591533	0.165536	3.57345	0.000352	0.016716	ENSG00000
492	ENSG00000	4641.906	0.5908	0.177	3.337856	0.000844	0.030137	ENSG00000
7650	ENSG00000	17116.44	0.589655	0.203735	2.894224	0.003801	0.077289	ENSG00000
2650	ENSG00000	4083.231	0.589135	0.187258	3.146105	0.001655	0.046055	ENSG00000
11105	ENSG00000	413.835	0.589064	0.224177	2.627672	0.008597	0.131404	ENSG00000
9357	ENSG00000	3546.129	0.58896	0.198038	2.97397	0.00294	0.065895	ENSG00000
7647	ENSG00000	6312.293	0.588776	0.164438	3.58054	0.000343	0.016405	ENSG00000
1508	ENSG00000	3568.17	0.588363	0.18436	3.191382	0.001416	0.041988	ENSG00000
3931	ENSG00000	4661.555	0.588337	0.155991	3.771604	0.000162	0.01053	ENSG00000
1963	ENSG00000	3822.443	0.588128	0.150254	3.914224	9.07E-05	0.00743	ENSG00000
2077	ENSG00000	928.1389	0.58782	0.193607	3.036145	0.002396	0.058206	ENSG00000
1539	ENSG00000	3213.073	0.587529	0.154948	3.791772	0.00015	0.01017	ENSG00000
9321	ENSG00000	2553.356	0.587462	0.178307	3.294668	0.000985	0.033295	ENSG00000
6701	ENSG00000	2941.322	0.586596	0.189675	3.092642	0.001984	0.051575	ENSG00000
8864	ENSG00000	4816.809	0.586589	0.169498	3.460744	0.000539	0.022635	ENSG00000
9128	ENSG00000	4044.472	0.585158	0.200924	2.912338	0.003587	0.074341	ENSG00000
9969	ENSG00000	2186.406	0.58478	0.194851	3.001161	0.00269	0.062691	ENSG00000
8388	ENSG00000	5684.553	0.584691	0.18521	3.156909	0.001595	0.045392	ENSG00000
10246	ENSG00000	1179.878	0.583799	0.200378	2.913486	0.003574	0.074269	ENSG00000

6702	ENSG00000	964.1899	0.583798	0.201012	2.904293	0.003681	0.0757	ENSG00000
7699	ENSG00000	2096.508	0.583535	0.162633	3.588046	0.000333	0.016007	ENSG00000
2819	ENSG00000	8804.197	0.58305	0.173078	3.368716	0.000755	0.02783	ENSG00000
7756	ENSG00000	4570.298	0.582724	0.168703	3.45413	0.000552	0.022791	ENSG00000
8266	ENSG00000	1322.539	0.58224	0.184703	3.152307	0.00162	0.045544	ENSG00000
1583	ENSG00000	11644.83	0.581398	0.188732	3.080554	0.002066	0.053036	ENSG00000
2643	ENSG00000	9741.32	0.581173	0.156401	3.715915	0.000202	0.011915	ENSG00000
8825	ENSG00000	2156.992	0.580408	0.176806	3.282729	0.001028	0.034011	ENSG00000
3649	ENSG00000	9904.88	0.580241	0.175358	3.30889	0.000937	0.032377	ENSG00000
10549	ENSG00000	20542.67	0.579994	0.178091	3.256731	0.001127	0.036151	ENSG00000
6802	ENSG00000	4378.809	0.578096	0.198161	2.9173	0.003531	0.07377	ENSG00000
2846	ENSG00000	7395.712	0.578	0.166791	3.465421	0.000529	0.02241	ENSG00000
1545	ENSG00000	2277.611	0.577948	0.180553	3.20098	0.00137	0.040934	ENSG00000
5459	ENSG00000	1361.121	0.577334	0.186774	3.091081	0.001994	0.051729	ENSG00000
8750	ENSG00000	2202.34	0.577141	0.16719	3.452017	0.000556	0.022791	ENSG00000
8860	ENSG00000	1971.124	0.576996	0.190563	3.027854	0.002463	0.059168	ENSG00000
8826	ENSG00000	4381.704	0.576057	0.173051	3.328824	0.000872	0.030938	ENSG00000
1979	ENSG00000	3427.199	0.575552	0.189929	3.030352	0.002443	0.058805	ENSG00000
6841	ENSG00000	852.6215	0.575537	0.221416	2.599347	0.00934	0.138044	ENSG00000
1477	ENSG00000	1619.571	0.575528	0.191788	3.000859	0.002692	0.062691	ENSG00000
6876	ENSG00000	1463.55	0.57341	0.187195	3.063171	0.00219	0.055418	ENSG00000
3184	ENSG00000	2811.373	0.573406	0.193568	2.962291	0.003054	0.067386	ENSG00000
5337	ENSG00000	53112.89	0.572947	0.162806	3.5192	0.000433	0.019579	ENSG00000
608	ENSG00000	4343.301	0.57279	0.168116	3.407117	0.000657	0.025602	ENSG00000
3985	ENSG00000	1927.198	0.572643	0.166219	3.445107	0.000571	0.02305	ENSG00000
11277	ENSG00000	6069.708	0.572578	0.155851	3.673871	0.000239	0.012994	ENSG00000
32	ENSG00000	21822.42	0.572577	0.168596	3.396142	0.000683	0.026149	ENSG00000
3052	ENSG00000	1019.753	0.572227	0.20385	2.807097	0.004999	0.091224	ENSG00000
8940	ENSG00000	8877.108	0.572217	0.208357	2.746333	0.006027	0.103506	ENSG00000
1912	ENSG00000	1021.623	0.571565	0.193134	2.95943	0.003082	0.067622	ENSG00000
4950	ENSG00000	22289.62	0.571453	0.146563	3.899024	9.66E-05	0.007662	ENSG00000
834	ENSG00000	8472.376	0.569698	0.212568	2.68007	0.007361	0.118217	ENSG00000
1786	ENSG00000	8600.01	0.569328	0.173466	3.282074	0.00103	0.034011	ENSG00000
2992	ENSG00000	1017.118	0.569034	0.204103	2.787978	0.005304	0.09496	ENSG00000
3819	ENSG00000	864.8282	0.56901	0.197267	2.884473	0.003921	0.078174	ENSG00000
10394	ENSG00000	2686.363	0.568608	0.180178	3.155813	0.001601	0.045443	ENSG00000
590	ENSG00000	2290.828	0.568434	0.17741	3.204076	0.001355	0.040883	ENSG00000
11082	ENSG00000	928.3433	0.568258	0.195142	2.912017	0.003591	0.074341	ENSG00000
604	ENSG00000	7908.336	0.567771	0.182876	3.104668	0.001905	0.050603	ENSG00000
8270	ENSG00000	4872.982	0.567561	0.157844	3.595702	0.000324	0.015913	ENSG00000
4180	ENSG00000	4338.817	0.566271	0.194308	2.914298	0.003565	0.074211	ENSG00000
10679	ENSG00000	1573.545	0.566035	0.197052	2.872516	0.004072	0.079948	ENSG00000
10732	ENSG00000	17239.28	0.564463	0.151778	3.719007	0.0002	0.011883	ENSG00000
4293	ENSG00000	879.811	0.563756	0.190004	2.967078	0.003006	0.066734	ENSG00000
8938	ENSG00000	10494.81	0.563459	0.157908	3.568272	0.000359	0.016979	ENSG00000
3668	ENSG00000	2262.825	0.56307	0.196257	2.869046	0.004117	0.080277	ENSG00000
4329	ENSG00000	1969.42	0.562515	0.197726	2.844923	0.004442	0.084026	ENSG00000
8584	ENSG00000	707.8781	0.561896	0.194849	2.883757	0.00393	0.078174	ENSG00000
10811	ENSG00000	1948.68	0.561525	0.16402	3.423514	0.000618	0.024527	ENSG00000
4291	ENSG00000	835.4469	0.561501	0.190685	2.944643	0.003233	0.069336	ENSG00000
10171	ENSG00000	2449.319	0.561347	0.161437	3.477183	0.000507	0.021691	ENSG00000
6646	ENSG00000	9431.535	0.561317	0.173786	3.229928	0.001238	0.038418	ENSG00000

9282	ENSG00000	18325.43	0.561209	0.153151	3.664419	0.000248	0.013132	ENSG00000
7392	ENSG00000	1366.167	0.560796	0.180648	3.104357	0.001907	0.050603	ENSG00000
10078	ENSG00000	3146.21	0.560627	0.186272	3.00972	0.002615	0.061393	ENSG00000
7129	ENSG00000	1804.471	0.560125	0.200751	2.790139	0.005269	0.094477	ENSG00000
8146	ENSG00000	684.08	0.559914	0.199632	2.804731	0.005036	0.091621	ENSG00000
5365	ENSG00000	5460.773	0.558633	0.176872	3.158406	0.001586	0.045272	ENSG00000
10200	ENSG00000	2219.346	0.557878	0.201041	2.77495	0.005521	0.097773	ENSG00000
8409	ENSG00000	913.9511	0.557733	0.190245	2.931661	0.003372	0.071228	ENSG00000
6077	ENSG00000	2103.503	0.557403	0.18869	2.954063	0.003136	0.068173	ENSG00000
8113	ENSG00000	4788.666	0.557038	0.183586	3.034207	0.002412	0.058206	ENSG00000
6678	ENSG00000	1233.98	0.554963	0.179276	3.095574	0.001964	0.05142	ENSG00000
623	ENSG00000	2199.021	0.553531	0.183263	3.020417	0.002524	0.059759	ENSG00000
9481	ENSG00000	3048.427	0.553343	0.176113	3.141971	0.001678	0.046381	ENSG00000
7954	ENSG00000	1055.421	0.552964	0.206658	2.675743	0.007456	0.119417	ENSG00000
8775	ENSG00000	846.7083	0.552668	0.182752	3.024134	0.002493	0.059759	ENSG00000
9453	ENSG00000	1579.055	0.552002	0.175532	3.144745	0.001662	0.046055	ENSG00000
8764	ENSG00000	6040.249	0.551453	0.179299	3.075613	0.002101	0.053634	ENSG00000
1547	ENSG00000	17069.76	0.551212	0.178969	3.079932	0.00207	0.053036	ENSG00000
5967	ENSG00000	2708.967	0.551073	0.180916	3.046006	0.002319	0.057443	ENSG00000
8516	ENSG00000	3538.666	0.549159	0.157575	3.485061	0.000492	0.021346	ENSG00000
10626	ENSG00000	1544.036	0.547971	0.168836	3.245589	0.001172	0.036869	ENSG00000
3708	ENSG00000	616.2718	0.54773	0.194815	2.811547	0.00493	0.090116	ENSG00000
1841	ENSG00000	533.5582	0.547654	0.202474	2.704817	0.006834	0.113892	ENSG00000
7522	ENSG00000	3917.183	0.546826	0.180191	3.034705	0.002408	0.058206	ENSG00000
557	ENSG00000	1914.854	0.546677	0.192427	2.84096	0.004498	0.084695	ENSG00000
8541	ENSG00000	1269.217	0.546597	0.188277	2.903157	0.003694	0.075795	ENSG00000
7651	ENSG00000	4655.712	0.546172	0.163749	3.335429	0.000852	0.030306	ENSG00000
10908	ENSG00000	1461.268	0.545607	0.200911	2.715669	0.006614	0.111085	ENSG00000
10247	ENSG00000	1351.067	0.545361	0.198734	2.744178	0.006066	0.103874	ENSG00000
8556	ENSG00000	3671.089	0.545045	0.177424	3.071986	0.002126	0.054168	ENSG00000
1057	ENSG00000	8429.102	0.54499	0.173028	3.149716	0.001634	0.045724	ENSG00000
8713	ENSG00000	1035.958	0.544205	0.189561	2.870866	0.004093	0.08009	ENSG00000
7439	ENSG00000	606.2967	0.543531	0.210072	2.587351	0.009672	0.140653	ENSG00000
7763	ENSG00000	3183.362	0.543039	0.192938	2.814587	0.004884	0.089556	ENSG00000
3700	ENSG00000	14120.38	0.542559	0.181068	2.996442	0.002732	0.063242	ENSG00000
9307	ENSG00000	2334.707	0.542488	0.195015	2.781773	0.005406	0.096491	ENSG00000
1493	ENSG00000	1133.665	0.542175	0.182266	2.974639	0.002933	0.065881	ENSG00000
4337	ENSG00000	5595.079	0.541881	0.152191	3.560527	0.00037	0.017272	ENSG00000
1526	ENSG00000	929.495	0.54159	0.183632	2.949315	0.003185	0.068945	ENSG00000
4171	ENSG00000	6535.534	0.541397	0.145218	3.728167	0.000193	0.011808	ENSG00000
3392	ENSG00000	1014.494	0.541286	0.201795	2.68235	0.007311	0.117884	ENSG00000
500	ENSG00000	3049.849	0.541276	0.159396	3.395787	0.000684	0.026149	ENSG00000
7641	ENSG00000	4108.279	0.54122	0.163884	3.302457	0.000958	0.032863	ENSG00000
9972	ENSG00000	959.5667	0.541065	0.192412	2.81202	0.004923	0.090116	ENSG00000
7585	ENSG00000	874.342	0.540269	0.188163	2.871284	0.004088	0.08009	ENSG00000
3403	ENSG00000	1046.483	0.540227	0.181763	2.972151	0.002957	0.066151	ENSG00000
2445	ENSG00000	20249.84	0.539713	0.154626	3.490449	0.000482	0.021171	ENSG00000
4281	ENSG00000	11531.65	0.539416	0.149072	3.618502	0.000296	0.015044	ENSG00000
8475	ENSG00000	11107.99	0.538671	0.17406	3.094745	0.00197	0.051446	ENSG00000
7818	ENSG00000	2017.249	0.538457	0.179206	3.004676	0.002659	0.062164	ENSG00000
7292	ENSG00000	4406.418	0.53771	0.189075	2.843903	0.004456	0.084155	ENSG00000
2191	ENSG00000	3921.254	0.537405	0.186072	2.888159	0.003875	0.077723	ENSG00000

4502	ENSG00000	2965.836	0.536542	0.192639	2.785212	0.005349	0.095624	ENSG00000
5960	ENSG00000	928.0058	0.536534	0.180999	2.964296	0.003034	0.067079	ENSG00000
10738	ENSG00000	4794.828	0.536433	0.182553	2.938508	0.003298	0.07004	ENSG00000
6064	ENSG00000	1164.357	0.535985	0.18819	2.848106	0.004398	0.083607	ENSG00000
10846	ENSG00000	2072.993	0.535387	0.16115	3.3223	0.000893	0.03128	ENSG00000
7606	ENSG00000	1855.5	0.535347	0.178668	2.99633	0.002733	0.063242	ENSG00000
7337	ENSG00000	5473.852	0.53421	0.157832	3.384673	0.000713	0.0266	ENSG00000
6621	ENSG00000	3037.121	0.534195	0.162655	3.284228	0.001023	0.033951	ENSG00000
8629	ENSG00000	1091.638	0.533247	0.175718	3.03468	0.002408	0.058206	ENSG00000
10591	ENSG00000	828.3745	0.532858	0.192772	2.764181	0.005707	0.099359	ENSG00000
6068	ENSG00000	8837.4	0.532629	0.16312	3.265264	0.001094	0.035404	ENSG00000
7742	ENSG00000	1060.326	0.532433	0.19912	2.673931	0.007497	0.119896	ENSG00000
7265	ENSG00000	10613.94	0.532099	0.165516	3.21479	0.001305	0.039851	ENSG00000
6136	ENSG00000	1705.51	0.531737	0.175985	3.021492	0.002515	0.059759	ENSG00000
4045	ENSG00000	9273.355	0.531385	0.154531	3.438698	0.000585	0.023436	ENSG00000
10574	ENSG00000	13247.12	0.531283	0.17394	3.054396	0.002255	0.056562	ENSG00000
10378	ENSG00000	748.0112	0.530781	0.189867	2.795548	0.005181	0.093352	ENSG00000
8815	ENSG00000	2024.293	0.530305	0.163764	3.238225	0.001203	0.03742	ENSG00000
10162	ENSG00000	569.0834	0.52991	0.192528	2.752381	0.005916	0.102386	ENSG00000
8690	ENSG00000	622.8167	0.529303	0.195167	2.712047	0.006687	0.111648	ENSG00000
1997	ENSG00000	25773.67	0.529233	0.183543	2.883427	0.003934	0.078174	ENSG00000
10320	ENSG00000	1830.319	0.529092	0.171263	3.089356	0.002006	0.051912	ENSG00000
6756	ENSG00000	4534.801	0.528294	0.160007	3.301686	0.000961	0.032863	ENSG00000
6659	ENSG00000	2085.328	0.527888	0.1766	2.989171	0.002797	0.064092	ENSG00000
6861	ENSG00000	737.0139	0.527779	0.195372	2.701411	0.006905	0.114111	ENSG00000
3988	ENSG00000	1790.685	0.527659	0.186448	2.830065	0.004654	0.087017	ENSG00000
10709	ENSG00000	2730.054	0.527089	0.190633	2.764943	0.005693	0.099359	ENSG00000
5395	ENSG00000	3639.262	0.527024	0.182188	2.892751	0.003819	0.077514	ENSG00000
4023	ENSG00000	1311.452	0.526705	0.168051	3.134195	0.001723	0.04717	ENSG00000
10404	ENSG00000	3849.004	0.526328	0.167333	3.145385	0.001659	0.046055	ENSG00000
8254	ENSG00000	11239.96	0.526139	0.143582	3.664365	0.000248	0.013132	ENSG00000
5446	ENSG00000	1856.226	0.524985	0.169747	3.092746	0.001983	0.051575	ENSG00000
1314	ENSG00000	4207.339	0.524536	0.16143	3.249303	0.001157	0.036593	ENSG00000
9614	ENSG00000	4666.897	0.524314	0.182489	2.873127	0.004064	0.079931	ENSG00000
3484	ENSG00000	2613.059	0.524081	0.164816	3.179786	0.001474	0.043143	ENSG00000
512	ENSG00000	1023.306	0.523088	0.192829	2.712704	0.006674	0.11159	ENSG00000
8340	ENSG00000	4871.236	0.522919	0.188373	2.775974	0.005504	0.097624	ENSG00000
8471	ENSG00000	4599.937	0.522411	0.188875	2.765909	0.005676	0.099359	ENSG00000
6439	ENSG00000	1557.378	0.522068	0.172054	3.034334	0.002411	0.058206	ENSG00000
10658	ENSG00000	1593.755	0.521735	0.180812	2.885514	0.003908	0.078074	ENSG00000
5006	ENSG00000	10213.98	0.519172	0.170625	3.042766	0.002344	0.057902	ENSG00000
8540	ENSG00000	4690.16	0.518028	0.177353	2.920893	0.00349	0.0736	ENSG00000
2217	ENSG00000	22668.47	0.517505	0.160854	3.217224	0.001294	0.039621	ENSG00000
3840	ENSG00000	3152.175	0.5169	0.198963	2.597966	0.009378	0.138322	ENSG00000
4231	ENSG00000	21166.83	0.516285	0.153367	3.366344	0.000762	0.027904	ENSG00000
6808	ENSG00000	1355.394	0.515456	0.178412	2.88913	0.003863	0.077723	ENSG00000
10313	ENSG00000	1074.785	0.515157	0.170541	3.020727	0.002522	0.059759	ENSG00000
5210	ENSG00000	1282.598	0.515125	0.187442	2.748176	0.005993	0.103081	ENSG00000
5031	ENSG00000	8534.214	0.514912	0.142838	3.604853	0.000312	0.015599	ENSG00000
4042	ENSG00000	4713.019	0.51469	0.159518	3.226533	0.001253	0.038771	ENSG00000
6072	ENSG00000	19049.69	0.514579	0.175257	2.936136	0.003323	0.070339	ENSG00000
3694	ENSG00000	2309.168	0.514493	0.173138	2.971575	0.002963	0.066151	ENSG00000

4711	ENSG00000	6581.72	0.514023	0.17016	3.020811	0.002521	0.059759	ENSG00000
7032	ENSG00000	7136.039	0.513894	0.164883	3.116729	0.001829	0.049228	ENSG00000
3555	ENSG00000	9782.161	0.513529	0.148633	3.455023	0.00055	0.022791	ENSG00000
4230	ENSG00000	4548.545	0.513334	0.169122	3.035281	0.002403	0.058206	ENSG00000
10350	ENSG00000	3109.121	0.513251	0.19373	2.649303	0.008066	0.125988	ENSG00000
7431	ENSG00000	2373.349	0.513217	0.195366	2.626948	0.008615	0.131422	ENSG00000
7025	ENSG00000	2110.908	0.513004	0.182914	2.804612	0.005038	0.091621	ENSG00000
8581	ENSG00000	2660.554	0.512745	0.173536	2.954685	0.00313	0.068173	ENSG00000
8844	ENSG00000	1658.919	0.512381	0.188857	2.713071	0.006666	0.11159	ENSG00000
3976	ENSG00000	4577.633	0.511884	0.17122	2.989624	0.002793	0.064092	ENSG00000
11014	ENSG00000	2490.78	0.511765	0.161664	3.165601	0.001548	0.044728	ENSG00000
4846	ENSG00000	978.2672	0.511134	0.173067	2.953384	0.003143	0.068173	ENSG00000
8177	ENSG00000	1783.367	0.510893	0.177704	2.874965	0.004041	0.079743	ENSG00000
6950	ENSG00000	3712.42	0.510699	0.196847	2.59439	0.009476	0.13895	ENSG00000
8881	ENSG00000	1915.755	0.510552	0.170627	2.992203	0.00277	0.063844	ENSG00000
3309	ENSG00000	25421.89	0.510057	0.164277	3.104858	0.001904	0.050603	ENSG00000
6397	ENSG00000	1233.863	0.509837	0.187185	2.723702	0.006455	0.10874	ENSG00000
11317	ENSG00000	722.8406	0.509832	0.188682	2.70207	0.006891	0.114111	ENSG00000
1800	ENSG00000	2292.834	0.509437	0.176398	2.888004	0.003877	0.077723	ENSG00000
5682	ENSG00000	3597.636	0.509317	0.165383	3.079623	0.002073	0.053036	ENSG00000
7712	ENSG00000	1310.706	0.508996	0.192235	2.647781	0.008102	0.12621	ENSG00000
157	ENSG00000	6906.315	0.508103	0.181623	2.797564	0.005149	0.093065	ENSG00000
9351	ENSG00000	2313.448	0.507995	0.194568	2.610882	0.009031	0.134954	ENSG00000
10872	ENSG00000	1598.603	0.507694	0.176221	2.881006	0.003964	0.078503	ENSG00000
2731	ENSG00000	4785.019	0.506542	0.193538	2.617273	0.008864	0.133681	ENSG00000
9911	ENSG00000	6635.386	0.506396	0.144545	3.503369	0.000459	0.020355	ENSG00000
7855	ENSG00000	2593.144	0.506226	0.177202	2.856769	0.00428	0.082321	ENSG00000
10408	ENSG00000	2322.957	0.505034	0.16798	3.006518	0.002643	0.061916	ENSG00000
9530	ENSG00000	1137.202	0.504922	0.193525	2.60908	0.009079	0.135489	ENSG00000
7495	ENSG00000	2070.157	0.503331	0.176362	2.853969	0.004318	0.082492	ENSG00000
5029	ENSG00000	687.8731	0.503313	0.190356	2.644068	0.008192	0.127255	ENSG00000
3380	ENSG00000	7681.115	0.503272	0.182462	2.758224	0.005812	0.101034	ENSG00000
4143	ENSG00000	2619.972	0.502911	0.19232	2.614972	0.008923	0.134092	ENSG00000
565	ENSG00000	1904.971	0.502172	0.182159	2.756774	0.005837	0.101174	ENSG00000
293	ENSG00000	4768.587	0.502077	0.175298	2.864127	0.004182	0.081117	ENSG00000
3818	ENSG00000	20541.02	0.500797	0.142315	3.518933	0.000433	0.019579	ENSG00000
10419	ENSG00000	28695.97	0.500739	0.153583	3.260372	0.001113	0.035791	ENSG00000
10983	ENSG00000	3657.772	0.500317	0.169136	2.958072	0.003096	0.06779	ENSG00000
9448	ENSG00000	2546.264	0.499752	0.187515	2.665127	0.007696	0.122393	ENSG00000
4159	ENSG00000	2022.313	0.499576	0.17496	2.855369	0.004299	0.082406	ENSG00000
7720	ENSG00000	5146.961	0.49933	0.167529	2.980563	0.002877	0.065134	ENSG00000
8361	ENSG00000	665.2028	0.498767	0.185409	2.690087	0.007143	0.116702	ENSG00000
1587	ENSG00000	10193.42	0.498671	0.173502	2.874145	0.004051	0.079812	ENSG00000
9779	ENSG00000	2732.074	0.498512	0.172531	2.8894	0.00386	0.077723	ENSG00000
2194	ENSG00000	2083.871	0.497732	0.191385	2.600686	0.009304	0.137945	ENSG00000
3024	ENSG00000	1665.37	0.497254	0.181664	2.737224	0.006196	0.105458	ENSG00000
9962	ENSG00000	1741.759	0.495388	0.16394	3.021765	0.002513	0.059759	ENSG00000
9003	ENSG00000	7641.046	0.49497	0.169634	2.917862	0.003524	0.07377	ENSG00000
4290	ENSG00000	5519.534	0.494196	0.177761	2.780112	0.005434	0.096834	ENSG00000
7893	ENSG00000	6516.565	0.493989	0.185831	2.658272	0.007854	0.123531	ENSG00000
5469	ENSG00000	2305.592	0.493549	0.17075	2.890482	0.003847	0.077723	ENSG00000
1528	ENSG00000	2056.946	0.492259	0.164753	2.987863	0.002809	0.064237	ENSG00000

1350	ENSG00000	931.4397	0.492107	0.177211	2.776959	0.005487	0.097624	ENSG00000
9804	ENSG00000	2020.379	0.49184	0.155003	3.173098	0.001508	0.043923	ENSG00000
7169	ENSG00000	8035.606	0.490734	0.153647	3.193898	0.001404	0.041732	ENSG00000
3251	ENSG00000	10148.22	0.489442	0.178681	2.739192	0.006159	0.10499	ENSG00000
70	ENSG00000	1111.113	0.487998	0.185783	2.626712	0.008621	0.131422	ENSG00000
4216	ENSG00000	4713.037	0.487971	0.174533	2.79586	0.005176	0.093352	ENSG00000
9063	ENSG00000	1395.342	0.487864	0.177345	2.750931	0.005943	0.102684	ENSG00000
1798	ENSG00000	2084.409	0.48542	0.171664	2.827726	0.004688	0.087044	ENSG00000
1288	ENSG00000	1317.057	0.484257	0.165907	2.918844	0.003513	0.07377	ENSG00000
2143	ENSG00000	3975.546	0.484082	0.174722	2.770579	0.005596	0.098482	ENSG00000
2221	ENSG00000	4027.482	0.483995	0.162673	2.975259	0.002927	0.065878	ENSG00000
4899	ENSG00000	851.0936	0.483434	0.183962	2.627909	0.008591	0.131404	ENSG00000
5930	ENSG00000	4739.137	0.48281	0.161868	2.982736	0.002857	0.064832	ENSG00000
8807	ENSG00000	2975.707	0.481511	0.169229	2.84532	0.004437	0.084026	ENSG00000
8307	ENSG00000	3926.225	0.481246	0.162582	2.960017	0.003076	0.067622	ENSG00000
2237	ENSG00000	1118.919	0.48047	0.178935	2.68517	0.007249	0.117422	ENSG00000
8013	ENSG00000	1877.143	0.480184	0.18158	2.644479	0.008182	0.127255	ENSG00000
7605	ENSG00000	2565.584	0.480018	0.178161	2.694301	0.007054	0.115735	ENSG00000
10308	ENSG00000	1959.481	0.47949	0.174435	2.748815	0.005981	0.103036	ENSG00000
4915	ENSG00000	3177.679	0.479424	0.167741	2.858128	0.004261	0.082108	ENSG00000
9573	ENSG00000	4408.07	0.476994	0.174717	2.730104	0.006331	0.107446	ENSG00000
1994	ENSG00000	3975.733	0.476762	0.146974	3.243856	0.001179	0.036992	ENSG00000
8124	ENSG00000	3596.767	0.476413	0.163966	2.905566	0.003666	0.075622	ENSG00000
9190	ENSG00000	1093.376	0.475943	0.181038	2.628964	0.008565	0.131404	ENSG00000
1510	ENSG00000	2652.665	0.475649	0.155362	3.061562	0.002202	0.055593	ENSG00000
849	ENSG00000	2870.835	0.474344	0.176864	2.681961	0.007319	0.117884	ENSG00000
2648	ENSG00000	2937.867	0.473539	0.176094	2.689135	0.007164	0.116868	ENSG00000
2230	ENSG00000	5182.731	0.473309	0.180098	2.628062	0.008587	0.131404	ENSG00000
4197	ENSG00000	3357.686	0.473264	0.163262	2.898795	0.003746	0.076444	ENSG00000
4140	ENSG00000	11410.25	0.472958	0.158753	2.979219	0.00289	0.065291	ENSG00000
1999	ENSG00000	4131.92	0.472892	0.178213	2.653526	0.007966	0.124765	ENSG00000
9898	ENSG00000	14116.92	0.471632	0.169899	2.775952	0.005504	0.097624	ENSG00000
8712	ENSG00000	2202.098	0.47088	0.178835	2.633049	0.008462	0.130392	ENSG00000
970	ENSG00000	6934.488	0.469435	0.165653	2.83385	0.004599	0.086276	ENSG00000
6882	ENSG00000	6109.158	0.466494	0.160632	2.904112	0.003683	0.0757	ENSG00000
4201	ENSG00000	19632.3	0.464802	0.164377	2.827663	0.004689	0.087044	ENSG00000
461	ENSG00000	845.6034	0.462816	0.179284	2.581467	0.009838	0.142166	ENSG00000
6720	ENSG00000	3998.755	0.462606	0.163412	2.830924	0.004641	0.086927	ENSG00000
7804	ENSG00000	3630.812	0.462143	0.158732	2.911476	0.003597	0.074341	ENSG00000
1925	ENSG00000	1987.971	0.460952	0.171313	2.690694	0.00713	0.116657	ENSG00000
2836	ENSG00000	1592.043	0.459592	0.167447	2.744696	0.006057	0.103867	ENSG00000
2377	ENSG00000	6395.329	0.459441	0.146576	3.134487	0.001722	0.04717	ENSG00000
1950	ENSG00000	1981	0.45879	0.176519	2.599103	0.009347	0.138044	ENSG00000
8848	ENSG00000	2167.49	0.457945	0.170471	2.686355	0.007224	0.11734	ENSG00000
1336	ENSG00000	2256.431	0.457912	0.158214	2.894262	0.003801	0.077289	ENSG00000
6927	ENSG00000	4632.855	0.45731	0.154822	2.953784	0.003139	0.068173	ENSG00000
10475	ENSG00000	7147.579	0.455483	0.169792	2.682593	0.007305	0.117884	ENSG00000
1228	ENSG00000	2886.743	0.453767	0.175991	2.578358	0.009927	0.143089	ENSG00000
3164	ENSG00000	1124.635	0.453493	0.170267	2.663419	0.007735	0.122598	ENSG00000
8231	ENSG00000	22500.78	0.453424	0.148545	3.052442	0.00227	0.056807	ENSG00000
8664	ENSG00000	1942.453	0.451315	0.172731	2.612826	0.00898	0.134542	ENSG00000
4157	ENSG00000	2595.856	0.449097	0.171854	2.613257	0.008968	0.134542	ENSG00000

6790	ENSG00000	3427.503	0.448058	0.172528	2.597019	0.009404	0.138525	ENSG00000
73	ENSG00000	8558.873	0.448036	0.159972	2.800712	0.005099	0.092309	ENSG00000
9629	ENSG00000	1737.964	0.446994	0.158057	2.828059	0.004683	0.087044	ENSG00000
6971	ENSG00000	1530.74	0.443972	0.166796	2.661767	0.007773	0.122935	ENSG00000
8974	ENSG00000	1646.787	0.443765	0.162845	2.725075	0.006429	0.10845	ENSG00000
5421	ENSG00000	1665.563	0.442153	0.1689	2.617834	0.008849	0.133639	ENSG00000
2430	ENSG00000	5529.918	0.439269	0.162494	2.703292	0.006866	0.113964	ENSG00000
8794	ENSG00000	8345.676	0.437574	0.163425	2.677519	0.007417	0.118954	ENSG00000
733	ENSG00000	2728.659	0.437402	0.164746	2.655004	0.007931	0.12439	ENSG00000
8194	ENSG00000	5552.889	0.433818	0.160436	2.703986	0.006851	0.113892	ENSG00000
967	ENSG00000	5262.454	0.433775	0.165295	2.624249	0.008684	0.132023	ENSG00000
3989	ENSG00000	3693.292	0.432275	0.166763	2.592159	0.009538	0.139415	ENSG00000
3697	ENSG00000	3807.757	0.431845	0.163055	2.648464	0.008086	0.126128	ENSG00000
2611	ENSG00000	2322.313	0.430297	0.166382	2.586195	0.009704	0.140766	ENSG00000
5764	ENSG00000	4875.774	0.426872	0.154041	2.77116	0.005586	0.098477	ENSG00000
2227	ENSG00000	3191.701	0.425518	0.164055	2.59375	0.009494	0.13895	ENSG00000
8793	ENSG00000	4118.16	0.424882	0.155834	2.726502	0.006401	0.108142	ENSG00000
1975	ENSG00000	4660.905	0.424288	0.159318	2.663159	0.007741	0.122598	ENSG00000
3667	ENSG00000	4426.529	0.423514	0.161363	2.624596	0.008675	0.132023	ENSG00000
7633	ENSG00000	1379.422	0.421337	0.162343	2.595348	0.00945	0.138841	ENSG00000
7880	ENSG00000	10740.56	0.418761	0.152853	2.739638	0.006151	0.10499	ENSG00000
10265	ENSG00000	2846.648	0.416885	0.15202	2.742298	0.006101	0.104314	ENSG00000
5261	ENSG00000	8620.139	0.414825	0.149584	2.773182	0.005551	0.098153	ENSG00000
4971	ENSG00000	12466.87	0.414222	0.160249	2.584868	0.009742	0.14113	ENSG00000
7980	ENSG00000	7774.47	0.413654	0.159941	2.586297	0.009701	0.140766	ENSG00000
161	ENSG00000	2948.532	0.41105	0.150641	2.728678	0.006359	0.107751	ENSG00000
8279	ENSG00000	3954.594	0.410353	0.154328	2.658963	0.007838	0.123531	ENSG00000
5305	ENSG00000	11808.05	0.409678	0.149695	2.736744	0.006205	0.105458	ENSG00000
8697	ENSG00000	2809.544	0.408136	0.157341	2.593954	0.009488	0.13895	ENSG00000
5433	ENSG00000	6232.808	0.403109	0.15107	2.668371	0.007622	0.121557	ENSG00000
7824	ENSG00000	5065.72	0.401994	0.155256	2.589231	0.009619	0.140246	ENSG00000
2161	ENSG00000	6009.075	0.401152	0.144763	2.7711	0.005587	0.098477	ENSG00000
10038	ENSG00000	4631.055	0.390216	0.14529	2.685777	0.007236	0.117376	ENSG00000
6635	ENSG00000	10378.97	0.374087	0.14453	2.58831	0.009645	0.140442	ENSG00000
6105	ENSG00000	3992.498	-0.37849	0.146729	-2.57952	0.009894	0.142789	ENSG00000
8189	ENSG00000	2862.74	-0.39335	0.151025	-2.60454	0.0092	0.13694	ENSG00000
1768	ENSG00000	2546.672	-0.40223	0.155251	-2.59086	0.009574	0.139761	ENSG00000
314	ENSG00000	3072.35	-0.41195	0.148979	-2.76512	0.00569	0.099359	ENSG00000
6471	ENSG00000	1925.268	-0.4158	0.157995	-2.63173	0.008495	0.130723	ENSG00000
3695	ENSG00000	3392.786	-0.41781	0.159492	-2.61966	0.008802	0.13328	ENSG00000
5576	ENSG00000	2155.085	-0.41831	0.160933	-2.59927	0.009342	0.138044	ENSG00000
10001	ENSG00000	3062.74	-0.41978	0.148995	-2.81743	0.004841	0.088911	ENSG00000
5772	ENSG00000	4263.304	-0.42046	0.160487	-2.61988	0.008796	0.13328	ENSG00000
4167	ENSG00000	4167.716	-0.42325	0.15743	-2.6885	0.007177	0.116923	ENSG00000
3688	ENSG00000	1313.894	-0.42517	0.163285	-2.60382	0.009219	0.137045	ENSG00000
8265	ENSG00000	1442.761	-0.42914	0.164343	-2.61127	0.009021	0.134954	ENSG00000
6555	ENSG00000	1305.894	-0.43137	0.164967	-2.61487	0.008926	0.134092	ENSG00000
7399	ENSG00000	2636.659	-0.43467	0.161292	-2.69496	0.00704	0.115674	ENSG00000
3754	ENSG00000	1960.053	-0.43523	0.155344	-2.8017	0.005083	0.092174	ENSG00000
10015	ENSG00000	2125.912	-0.43712	0.167973	-2.60232	0.00926	0.137468	ENSG00000
7582	ENSG00000	1343.807	-0.45092	0.167106	-2.6984	0.006967	0.114817	ENSG00000
1348	ENSG00000	2925.319	-0.4538	0.152457	-2.97659	0.002915	0.065722	ENSG00000

2465	ENSG00000	1787.768	-0.45503	0.159524	-2.85239	0.004339	0.082763	ENSG00000
2013	ENSG00000	1849.728	-0.45633	0.164757	-2.7697	0.005611	0.098594	ENSG00000
9367	ENSG00000	1595.103	-0.45826	0.165772	-2.76441	0.005703	0.099359	ENSG00000
1022	ENSG00000	4346.046	-0.45841	0.158137	-2.8988	0.003746	0.076444	ENSG00000
5298	ENSG00000	4339.787	-0.45905	0.148741	-3.08625	0.002027	0.052219	ENSG00000
473	ENSG00000	1709.583	-0.46077	0.174688	-2.6377	0.008347	0.129142	ENSG00000
8645	ENSG00000	2001.335	-0.46152	0.163533	-2.8222	0.004769	0.088309	ENSG00000
371	ENSG00000	6300.984	-0.46266	0.144335	-3.20549	0.001348	0.040883	ENSG00000
9266	ENSG00000	1423.56	-0.46274	0.171669	-2.69553	0.007028	0.115643	ENSG00000
6547	ENSG00000	1418.146	-0.46466	0.170353	-2.72764	0.006379	0.10793	ENSG00000
3140	ENSG00000	1444.88	-0.46611	0.167056	-2.79015	0.005268	0.094477	ENSG00000
8138	ENSG00000	5949.044	-0.46631	0.143641	-3.2464	0.001169	0.036865	ENSG00000
4280	ENSG00000	1868.999	-0.46691	0.164359	-2.84081	0.0045	0.084695	ENSG00000
11215	ENSG00000	1483.284	-0.47394	0.177341	-2.67246	0.00753	0.120253	ENSG00000
2631	ENSG00000	724.7046	-0.47473	0.183782	-2.58313	0.009791	0.141663	ENSG00000
1108	ENSG00000	1013.228	-0.47913	0.17157	-2.79263	0.005228	0.094048	ENSG00000
223	ENSG00000	993.5342	-0.48038	0.178719	-2.68794	0.007189	0.116952	ENSG00000
510	ENSG00000	8887.337	-0.48173	0.150767	-3.19523	0.001397	0.041649	ENSG00000
880	ENSG00000	1033.02	-0.48977	0.177637	-2.75717	0.00583	0.101174	ENSG00000
4540	ENSG00000	766.6327	-0.49053	0.186282	-2.63329	0.008456	0.130392	ENSG00000
3417	ENSG00000	1685.313	-0.49475	0.172545	-2.86738	0.004139	0.080562	ENSG00000
3323	ENSG00000	1163.518	-0.49728	0.182765	-2.7209	0.00651	0.109505	ENSG00000
6832	ENSG00000	655.6292	-0.51149	0.196211	-2.60682	0.009139	0.136207	ENSG00000
2391	ENSG00000	3988.046	-0.51162	0.178507	-2.86613	0.004155	0.080743	ENSG00000
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7143	ENSG00000	509.3742	-0.52546	0.197201	-2.6646	0.007708	0.122413	ENSG00000
4726	ENSG00000	1521.636	-0.53081	0.17055	-3.11232	0.001856	0.049734	ENSG00000
7360	ENSG00000	2750.334	-0.53087	0.15091	-3.51776	0.000435	0.019588	ENSG00000
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8372	ENSG00000	1068.047	-0.55659	0.169635	-3.28111	0.001034	0.03403	ENSG00000
5339	ENSG00000	2308.131	-0.5601	0.160516	-3.48936	0.000484	0.021171	ENSG00000
9084	ENSG00000	978.9536	-0.56423	0.180353	-3.1285	0.001757	0.047864	ENSG00000
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9249	ENSG00000	436.5447	-0.585	0.216527	-2.70175	0.006898	0.114111	ENSG00000
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8437	ENSG00000	559.5121	-0.59759	0.192785	-3.09978	0.001937	0.050929	ENSG00000
7307	ENSG00000	827.8246	-0.61091	0.193846	-3.15154	0.001624	0.045551	ENSG00000
983	ENSG00000	530.1026	-0.63292	0.204342	-3.09738	0.001952	0.051225	ENSG00000
4006	ENSG00000	318.786	-0.6438	0.228404	-2.8187	0.004822	0.088846	ENSG00000
4845	ENSG00000	362.0079	-0.64725	0.241307	-2.68227	0.007312	0.117884	ENSG00000
5257	ENSG00000	821.9862	-0.65687	0.180336	-3.64247	0.00027	0.013952	ENSG00000
9611	ENSG00000	631.0965	-0.66176	0.201437	-3.28521	0.001019	0.033951	ENSG00000

3377	ENSG00000	832.1971	-0.66918	0.177178	-3.77689	0.000159	0.010452	ENSG00000
9987	ENSG00000	492.0206	-0.66978	0.213835	-3.13222	0.001735	0.047375	ENSG00000
5705	ENSG00000	609.0649	-0.71362	0.197698	-3.60967	0.000307	0.015447	ENSG00000
10441	ENSG00000	178.7487	-0.72969	0.27703	-2.63396	0.00844	0.130392	ENSG00000
10852	ENSG00000	177.2752	-0.74686	0.276759	-2.69858	0.006964	0.114817	ENSG00000
4403	ENSG00000	181.7928	-0.78248	0.273511	-2.86088	0.004225	0.081676	ENSG00000
5367	ENSG00000	230.1102	-0.81306	0.274685	-2.95999	0.003076	0.067622	ENSG00000
58	ENSG00000	843.0666	-0.85697	0.201981	-4.24285	2.21E-05	0.003346	ENSG00000
11145	ENSG00000	613.0412	-0.89489	0.265916	-3.36532	0.000765	0.027904	ENSG00000
11116	ENSG00000	326.9532	-1.19251	0.235644	-5.06065	4.18E-07	0.000226	ENSG00000
11202	ENSG00000	174.2577	-3.91948	0.385153	-10.1764	2.53E-24	2.88E-20	ENSG00000

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SCT
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VWA1
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TMEM238
RNASEH2C
APRT

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DNLZ
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HYAL2
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Supplemental Table 3. Differential Gene expression (Fold change) in EndoCBH1-MIR125B2-KO versus co

Target.gene	Gene.stable	baseMean	log2FoldCh	lfcSE	stat	pvalue	padj	Gene.stable
KLF16	ENSG00000	1613.865	0.762318	0.181838	4.19228	2.76E-05	0.003678	ENSG00000
SPTBN2	ENSG00000	5684.553	0.584691	0.18521	3.156909	0.001595	0.045392	ENSG00000
SSTR3	ENSG00000	6069.708	0.572578	0.155851	3.673871	0.000239	0.012994	ENSG00000
CAMSAP3	ENSG00000	6934.488	0.469435	0.165653	2.83385	0.004599	0.086276	ENSG00000
RASL10B	ENSG00000	231.4317	1.116021	0.257749	4.329877	1.49E-05	0.002718	ENSG00000
EMID1	ENSG00000	3573.196	1.070503	0.197723	5.414155	6.16E-08	4.60E-05	ENSG00000
ZFH2	ENSG00000	817.7878	0.859419	0.227507	3.777554	0.000158	0.010452	ENSG00000
RNASEH2C	ENSG00000	3628.461	0.778867	0.154475	5.042013	4.61E-07	0.000228	ENSG00000
SLC8A2	ENSG00000	737.4413	0.762082	0.259153	2.940667	0.003275	0.069808	ENSG00000
FAM89B	ENSG00000	3515.345	0.753643	0.176537	4.269027	1.96E-05	0.003194	ENSG00000
MMP11	ENSG00000	251.477	0.740573	0.261888	2.827821	0.004687	0.087044	ENSG00000
GPR153	ENSG00000	5437.661	0.734731	0.157859	4.65436	3.25E-06	0.001028	ENSG00000
LRRC10B	ENSG00000	1191.706	0.729934	0.179132	4.074843	4.60E-05	0.004681	ENSG00000
LFNG	ENSG00000	845.7731	0.723207	0.19488	3.711033	0.000206	0.011992	ENSG00000
TLE3	ENSG00000	1008.59	0.718145	0.221676	3.239619	0.001197	0.03734	ENSG00000
NFIC	ENSG00000	880.3747	0.713888	0.237081	3.011158	0.002603	0.061229	ENSG00000
UBTD1	ENSG00000	574.4811	0.675203	0.225141	2.999017	0.002709	0.062943	ENSG00000
MAP3K11	ENSG00000	5741.092	0.673282	0.182048	3.698371	0.000217	0.012366	ENSG00000
TIMM17B	ENSG00000	10100.51	0.670073	0.194454	3.445923	0.000569	0.02305	ENSG00000
TMEM198	ENSG00000	3875.144	0.649183	0.192898	3.365423	0.000764	0.027904	ENSG00000
BAK1	ENSG00000	1627.075	0.642195	0.188889	3.399849	0.000674	0.026114	ENSG00000
FAM83F	ENSG00000	1476.999	0.6385	0.199129	3.206456	0.001344	0.040883	ENSG00000
SLC27A4	ENSG00000	4723.632	0.633837	0.190695	3.32383	0.000888	0.031205	ENSG00000
LIMD2	ENSG00000	918.6395	0.624089	0.205693	3.034081	0.002413	0.058206	ENSG00000
PET100	ENSG00000	742.0893	0.607423	0.186165	3.262814	0.001103	0.035584	ENSG00000
GLIS2	ENSG00000	4661.555	0.588337	0.155991	3.771604	0.000162	0.01053	ENSG00000
TMED1	ENSG00000	1619.571	0.575528	0.191788	3.000859	0.002692	0.062691	ENSG00000
GPC1	ENSG00000	4343.301	0.57279	0.168116	3.407117	0.000657	0.025602	ENSG00000
MEGF8	ENSG00000	3921.254	0.537405	0.186072	2.888159	0.003875	0.077723	ENSG00000
MAPK8IP2	ENSG00000	6906.315	0.508103	0.181623	2.797564	0.005149	0.093065	ENSG00000
HSPG2	ENSG00000	457.0967	1.365177	0.216576	6.30345	2.91E-10	1.01E-06	ENSG00000
GJC2	ENSG00000	382.5031	1.317761	0.243754	5.406114	6.44E-08	4.60E-05	ENSG00000
IGFALS	ENSG00000	676.6178	1.190356	0.221474	5.3747	7.67E-08	4.60E-05	ENSG00000
CEBPA	ENSG00000	1084.233	1.005448	0.183119	5.490687	4.00E-08	3.51E-05	ENSG00000
SLC16A3	ENSG00000	864.0327	0.930424	0.184172	5.051916	4.37E-07	0.000226	ENSG00000
IBA57	ENSG00000	319.1821	0.912659	0.289516	3.152361	0.00162	0.045544	ENSG00000
WNK2	ENSG00000	209.8093	0.907097	0.286442	3.166776	0.001541	0.044661	ENSG00000
TOR4A	ENSG00000	894.9058	0.870386	0.181446	4.796944	1.61E-06	0.000611	ENSG00000
SLC18A3	ENSG00000	5252.561	0.863852	0.147035	5.875129	4.23E-09	6.01E-06	ENSG00000
HOMER1	ENSG00000	264.9958	0.862915	0.26001	3.318782	0.000904	0.03158	ENSG00000
FAM131C	ENSG00000	725.0767	0.849333	0.187837	4.521646	6.14E-06	0.001625	ENSG00000
COL18A1	ENSG00000	727.9469	0.846893	0.22795	3.715259	0.000203	0.011915	ENSG00000
NLE1	ENSG00000	804.3434	0.825455	0.182405	4.525404	6.03E-06	0.001625	ENSG00000
VWA1	ENSG00000	9968.019	0.82243	0.152939	5.3775	7.55E-08	4.60E-05	ENSG00000
NUDT18	ENSG00000	389.6688	0.809688	0.225217	3.59515	0.000324	0.015913	ENSG00000
SSTR5	ENSG00000	493.82	0.808048	0.206356	3.91579	9.01E-05	0.00743	ENSG00000
PDLIM4	ENSG00000	286.5514	0.804889	0.237311	3.391706	0.000695	0.026364	ENSG00000
PTGES2	ENSG00000	3548.896	0.800758	0.161316	4.963905	6.91E-07	0.000315	ENSG00000
PACIN3	ENSG00000	1021.319	0.793302	0.214961	3.69045	0.000224	0.012495	ENSG00000
CTU1	ENSG00000	559.3702	0.791532	0.252252	3.137866	0.001702	0.046922	ENSG00000

THEM6	ENSG0000C	3640.139	0.784901	0.175545	4.471221	7.78E-06	0.001801	ENSG0000C
CD151	ENSG0000C	6378.259	0.783415	0.187595	4.1761	2.97E-05	0.003769	ENSG0000C
C2CD4C	ENSG0000C	1129.415	0.780163	0.186155	4.190939	2.78E-05	0.003678	ENSG0000C
AMIGO3	ENSG0000C	570.4342	0.778361	0.264249	2.945558	0.003224	0.069262	ENSG0000C
MESP1	ENSG0000C	687.6741	0.778172	0.192837	4.035378	5.45E-05	0.005306	ENSG0000C
NTNG2	ENSG0000C	725.4343	0.775663	0.195605	3.965449	7.33E-05	0.006649	ENSG0000C
CACFD1	ENSG0000C	10937.91	0.775589	0.172573	4.494261	6.98E-06	0.001728	ENSG0000C
DNLZ	ENSG0000C	388.3643	0.770407	0.234404	3.286664	0.001014	0.033951	ENSG0000C
DGCR6L	ENSG0000C	3847.368	0.761947	0.17517	4.349765	1.36E-05	0.002651	ENSG0000C
SPOCK2	ENSG0000C	323.0293	0.736863	0.246378	2.990789	0.002783	0.064011	ENSG0000C
HPS6	ENSG0000C	1534.417	0.733237	0.186423	3.933197	8.38E-05	0.007231	ENSG0000C
KNDC1	ENSG0000C	691.6356	0.728828	0.21182	3.440783	0.00058	0.023339	ENSG0000C
PYCR1	ENSG0000C	5670.749	0.726691	0.155246	4.680905	2.86E-06	0.000929	ENSG0000C
RAC3	ENSG0000C	1889.336	0.719185	0.184672	3.894391	9.84E-05	0.007731	ENSG0000C
NDUFA11	ENSG0000C	6251.153	0.715367	0.17922	3.991567	6.56E-05	0.006126	ENSG0000C
MFAP2	ENSG0000C	657.3818	0.714496	0.1871	3.8188	0.000134	0.009665	ENSG0000C
MMP15	ENSG0000C	4270.505	0.703211	0.166677	4.219002	2.45E-05	0.003408	ENSG0000C
DERL3	ENSG0000C	792.8442	0.701471	0.179871	3.899849	9.63E-05	0.007662	ENSG0000C
SLC25A10	ENSG0000C	4075.152	0.693751	0.174239	3.9816	6.85E-05	0.006286	ENSG0000C
TBL3	ENSG0000C	2283.279	0.682186	0.220006	3.100767	0.00193	0.050878	ENSG0000C
TCIRG1	ENSG0000C	408.5482	0.677747	0.210382	3.221498	0.001275	0.039246	ENSG0000C
LRP3	ENSG0000C	5276.902	0.675251	0.17049	3.960654	7.47E-05	0.006649	ENSG0000C
ZNF581	ENSG0000C	673.9269	0.671152	0.213237	3.147442	0.001647	0.045968	ENSG0000C
NAT8L	ENSG0000C	937.7977	0.670127	0.212442	3.154397	0.001608	0.045443	ENSG0000C
CISD3	ENSG0000C	1384.914	0.66711	0.176109	3.788054	0.000152	0.01017	ENSG0000C
SIPA1	ENSG0000C	1213.338	0.666957	0.212693	3.135768	0.001714	0.047145	ENSG0000C
CENPB	ENSG0000C	13040.07	0.665952	0.193184	3.447238	0.000566	0.023032	ENSG0000C
SPNS2	ENSG0000C	414.2255	0.66189	0.217166	3.047847	0.002305	0.057305	ENSG0000C
MPND	ENSG0000C	1016.076	0.658942	0.201689	3.267117	0.001086	0.035348	ENSG0000C
IGFBP4	ENSG0000C	625.8083	0.657967	0.221894	2.965235	0.003025	0.067004	ENSG0000C
NINJ1	ENSG0000C	352.9911	0.654821	0.228675	2.863541	0.004189	0.081129	ENSG0000C
METRN	ENSG0000C	770.5701	0.650563	0.213233	3.050955	0.002281	0.056964	ENSG0000C
RNF208	ENSG0000C	768.576	0.648821	0.205378	3.159151	0.001582	0.04527	ENSG0000C
BOK	ENSG0000C	1453.87	0.641176	0.216077	2.967345	0.003004	0.066734	ENSG0000C
ACADS	ENSG0000C	753.0997	0.639024	0.214243	2.982709	0.002857	0.064832	ENSG0000C
ZNF593	ENSG0000C	727.5389	0.633069	0.191334	3.308715	0.000937	0.032377	ENSG0000C
JMJD4	ENSG0000C	1181.547	0.628877	0.201539	3.120374	0.001806	0.048738	ENSG0000C
RABAC1	ENSG0000C	4443.823	0.627731	0.198548	3.161605	0.001569	0.045231	ENSG0000C
DLGAP3	ENSG0000C	1634.199	0.627011	0.170406	3.679505	0.000234	0.012793	ENSG0000C
NAA38	ENSG0000C	1956.01	0.619758	0.179016	3.462034	0.000536	0.02261	ENSG0000C
ATG2A	ENSG0000C	4799.697	0.619397	0.190466	3.25201	0.001146	0.036551	ENSG0000C
SAPCD2	ENSG0000C	1408.252	0.618409	0.16767	3.68825	0.000226	0.012542	ENSG0000C
TPRA1	ENSG0000C	1683.777	0.617133	0.186535	3.3084	0.000938	0.032377	ENSG0000C
ZDHHC24	ENSG0000C	1521.228	0.614102	0.179725	3.416891	0.000633	0.024957	ENSG0000C
ZNF81	ENSG0000C	436.6356	0.612643	0.215079	2.848462	0.004393	0.083607	ENSG0000C
PCBP4	ENSG0000C	4688.622	0.59996	0.156096	3.843524	0.000121	0.009086	ENSG0000C
LYPLA2	ENSG0000C	4416.626	0.599929	0.188451	3.183471	0.001455	0.042793	ENSG0000C
TMEM115	ENSG0000C	3949.152	0.59555	0.175338	3.396575	0.000682	0.026149	ENSG0000C
YIF1B	ENSG0000C	1756.543	0.594848	0.180713	3.291668	0.000996	0.033454	ENSG0000C
TM7SF2	ENSG0000C	6023.449	0.593721	0.175127	3.390232	0.000698	0.026376	ENSG0000C
AKR7A2	ENSG0000C	4641.906	0.5908	0.177	3.337856	0.000844	0.030137	ENSG0000C
SIGIRR	ENSG0000C	2553.356	0.587462	0.178307	3.294668	0.000985	0.033295	ENSG0000C

SDHAF1	ENSG0000C	1179.878	0.583799	0.200378	2.913486	0.003574	0.074269	ENSG0000C
RCOR2	ENSG0000C	2096.508	0.583535	0.162633	3.588046	0.000333	0.016007	ENSG0000C
RNF187	ENSG0000C	4570.298	0.582724	0.168703	3.45413	0.000552	0.022791	ENSG0000C
SBF1	ENSG0000C	11644.83	0.581398	0.188732	3.080554	0.002066	0.053036	ENSG0000C
CAPN15	ENSG0000C	3427.199	0.575552	0.189929	3.030352	0.002443	0.058805	ENSG0000C
SRM	ENSG0000C	2811.373	0.573406	0.193568	2.962291	0.003054	0.067386	ENSG0000C
DOK1	ENSG0000C	1019.753	0.572227	0.20385	2.807097	0.004999	0.091224	ENSG0000C
CHCHD5	ENSG0000C	864.8282	0.56901	0.197267	2.884473	0.003921	0.078174	ENSG0000C
EPN1	ENSG0000C	7908.336	0.567771	0.182876	3.104668	0.001905	0.050603	ENSG0000C
THOC6	ENSG0000C	1969.42	0.562515	0.197726	2.844923	0.004442	0.084026	ENSG0000C
COMTD1	ENSG0000C	1366.167	0.560796	0.180648	3.104357	0.001907	0.050603	ENSG0000C
R3HDM4	ENSG0000C	3146.21	0.560627	0.186272	3.00972	0.002615	0.061393	ENSG0000C
C9orf16	ENSG0000C	4788.666	0.557038	0.183586	3.034207	0.002412	0.058206	ENSG0000C
ALDH4A1	ENSG0000C	1233.98	0.554963	0.179276	3.095574	0.001964	0.05142	ENSG0000C
SLC35C2	ENSG0000C	8429.102	0.54499	0.173028	3.149716	0.001634	0.045724	ENSG0000C
AGTRAP	ENSG0000C	1035.958	0.544205	0.189561	2.870866	0.004093	0.08009	ENSG0000C
GLYCTK	ENSG0000C	3183.362	0.543039	0.192938	2.814587	0.004884	0.089556	ENSG0000C
RPL28	ENSG0000C	20249.84	0.539713	0.154626	3.490449	0.000482	0.021171	ENSG0000C
RAB1B	ENSG0000C	11107.99	0.538671	0.17406	3.094745	0.00197	0.051446	ENSG0000C
SLC29A4	ENSG0000C	10613.94	0.532099	0.165516	3.21479	0.001305	0.039851	ENSG0000C
ZNF580	ENSG0000C	1830.319	0.529092	0.171263	3.089356	0.002006	0.051912	ENSG0000C
ADM2	ENSG0000C	1311.452	0.526705	0.168051	3.134195	0.001723	0.04717	ENSG0000C
CDIP1	ENSG0000C	4207.339	0.524536	0.16143	3.249303	0.001157	0.036593	ENSG0000C
IQSEC3	ENSG0000C	2613.059	0.524081	0.164816	3.179786	0.001474	0.043143	ENSG0000C
RPL18A	ENSG0000C	22668.47	0.517505	0.160854	3.217224	0.001294	0.039621	ENSG0000C
SLC48A1	ENSG0000C	1074.785	0.515157	0.170541	3.020727	0.002522	0.059759	ENSG0000C
PIN1	ENSG0000C	4577.633	0.511884	0.17122	2.989624	0.002793	0.064092	ENSG0000C
CTDSP1	ENSG0000C	3597.636	0.509317	0.165383	3.079623	0.002073	0.053036	ENSG0000C
PPDPF	ENSG0000C	20541.02	0.500797	0.142315	3.518933	0.000433	0.019579	ENSG0000C
CDKN2A	ENSG0000C	4739.137	0.48281	0.161868	2.982736	0.002857	0.064832	ENSG0000C
DPM2	ENSG0000C	3177.679	0.479424	0.167741	2.858128	0.004261	0.082108	ENSG0000C
QPR1	ENSG0000C	3975.733	0.476762	0.146974	3.243856	0.001179	0.036992	ENSG0000C
SSBP4	ENSG0000C	3357.686	0.473264	0.163262	2.898795	0.003746	0.076444	ENSG0000C
PAQR4	ENSG0000C	6109.158	0.466494	0.160632	2.904112	0.003683	0.0757	ENSG0000C
NR2F6	ENSG0000C	3998.755	0.462606	0.163412	2.830924	0.004641	0.086927	ENSG0000C
BSG	ENSG0000C	22500.78	0.453424	0.148545	3.052442	0.00227	0.056807	ENSG0000C
RPL37	ENSG0000C	4875.774	0.426872	0.154041	2.77116	0.005586	0.098477	ENSG0000C

ontrols

Representa	Gene.name	X3P.seq.tag	Conserved.	Conserved.	Conserved.	Conserved.	Poorly.cons	Poorly.cons
ENST00000	Kruppel-like	5	2	0	1	1	0	0
ENST00000	spectrin, be	910	2	1	1	0	0	0
ENST00000	somatostat	5	2	2	0	0	1	0
ENST00000	calmodulin	14	2	0	1	1	0	0
ENST00000	RAS-like, fa	1495	1	0	0	1	0	0
ENST00000	EMI domain	845	1	0	1	0	0	0
ENST00000	zinc finger l	7	1	0	1	0	0	0
ENST00000	ribonucleas	1330	1	0	1	0	1	0
ENST00000	solute carri	5	1	1	0	0	0	0
ENST00000	family with	289	1	0	1	0	0	0
ENST00000	matrix met	1719	1	0	1	0	2	0
ENST00000	G protein-c	39	1	0	1	0	0	0
ENST00000	leucine rich	5	1	1	0	0	0	0
ENST00000	LFNG O-fuc	346	1	1	0	0	0	0
ENST00000	transducin-	520	1	1	0	0	0	0
ENST00000	nuclear fac	26	1	0	1	0	0	0
ENST00000	ubiquitin de	10	1	0	1	0	0	0
ENST00000	mitogen-ac	339	1	1	0	0	0	0
ENST00000	translocase	35084	1	0	1	0	0	0
ENST00000	transmemb	80	1	0	1	0	0	0
ENST00000	BCL2-antag	15	1	1	0	0	2	0
ENST00000	family with	5	1	1	0	0	1	0
ENST00000	solute carri	523	1	0	1	0	2	1
ENST00000	LIM domain	90	1	0	1	0	1	0
ENST00000	PET100 hor	5	1	0	1	0	0	0
ENST00000	GLIS family	17	1	1	0	0	0	0
ENST00000	transmemb	55	1	1	0	0	0	0
ENST00000	glypican 1	1687	1	0	0	1	1	0
ENST00000	multiple EG	28	1	0	1	0	0	0
ENST00000	mitogen-ac	88	1	0	1	0	0	0
ENST00000	heparan su	616	0	0	0	0	1	0
ENST00000	gap junctio	10	0	0	0	0	1	1
ENST00000	insulin-like	8	0	0	0	0	1	0
ENST00000	CCAAT/enh	12449	0	0	0	0	1	1
ENST00000	solute carri	16333	0	0	0	0	4	0
ENST00000	IBA57, iron	66	0	0	0	0	3	1
ENST00000	WNK lysine	134	0	0	0	0	3	0
ENST00000	torsin famil	222	0	0	0	0	1	0
ENST00000	solute carri	5	0	0	0	0	1	0
ENST00000	homer horr	394	0	0	0	0	1	0
ENST00000	family with	5	0	0	0	0	1	1
ENST00000	collagen, ty	1051	0	0	0	0	1	0
ENST00000	notchless h	526	0	0	0	0	2	0
ENST00000	von Willebr	145	0	0	0	0	1	0
ENST00000	nudix (nucl	40	0	0	0	0	3	0
ENST00000	somatostat	5	0	0	0	0	2	1
ENST00000	PDZ and LIM	417	0	0	0	0	1	0
ENST00000	prostaglanc	250	0	0	0	0	1	1
ENST00000	protein kin	55	0	0	0	0	1	0
ENST00000	cytosolic th	170	0	0	0	0	4	2

ENST00000thioesteras	1500	0	0	0	0	1	0
ENST00000CD151 mol	13919	0	0	0	0	1	0
ENST00000C2 calcium-	70	0	0	0	0	1	0
ENST00000adhesion m	24	0	0	0	0	1	0
ENST00000mesoderm	303	0	0	0	0	1	0
ENST00000netrin G2	15	0	0	0	0	1	1
ENST00000calcium cha	1315	0	0	0	0	1	1
ENST00000DNL-type zi	373	0	0	0	0	1	0
ENST00000DiGeorge s	18	0	0	0	0	1	0
ENST00000sparc/ostec	31	0	0	0	0	1	0
ENST00000Hermansky	2076	0	0	0	0	2	0
ENST00000kinase non-	5	0	0	0	0	1	0
ENST00000pyrroline-5	157	0	0	0	0	1	0
ENST00000ras-related	16	0	0	0	0	1	0
ENST00000NADH dehy	32826	0	0	0	0	2	1
ENST00000microfibrilli	10	0	0	0	0	1	0
ENST00000matrix met	605	0	0	0	0	2	0
ENST00000derlin 3	129	0	0	0	0	1	0
ENST00000Mitochond	2354	0	0	0	0	3	0
ENST00000transducin	57	0	0	0	0	3	0
ENST00000T-cell, imm	2756	0	0	0	0	1	0
ENST00000low density	135	0	0	0	0	2	0
ENST00000zinc finger j	1889	0	0	0	0	1	0
ENST00000N-acetyltra	220	0	0	0	0	1	0
ENST00000CDGSH iron	3508	0	0	0	0	1	0
ENST00000signal-induc	424	0	0	0	0	1	0
ENST00000centromere	4684	0	0	0	0	1	0
ENST00000spinster ho	7	0	0	0	0	2	0
ENST00000MPN doma	633	0	0	0	0	1	0
ENST00000insulin-like	4053	0	0	0	0	2	0
ENST00000ninjurin 1	1216	0	0	0	0	1	0
ENST00000meteorin, g	57	0	0	0	0	1	0
ENST00000ring finger j	30	0	0	0	0	1	0
ENST00000BCL2-relate	588	0	0	0	0	1	0
ENST00000acyl-CoA de	438	0	0	0	0	1	1
ENST00000zinc finger j	3221	0	0	0	0	1	0
ENST00000jumonji dor	1570	0	0	0	0	2	0
ENST00000Rab accept	2218	0	0	0	0	1	1
ENST00000discs, large	8	0	0	0	0	3	0
ENST00000N(alpha)-ac	458	0	0	0	0	1	0
ENST00000autophagy	3795	0	0	0	0	2	1
ENST00000suppressor	22	0	0	0	0	1	0
ENST00000transmemb	44	0	0	0	0	2	0
ENST00000zinc finger,	304	0	0	0	0	1	0
ENST00000zinc finger j	10	0	0	0	0	2	1
ENST00000poly(rC) bir	353	0	0	0	0	1	0
ENST00000lysophosph	21	0	0	0	0	1	0
ENST00000transmemb	1346	0	0	0	0	1	1
ENST00000Yip1 interac	3087	0	0	0	0	1	0
ENST00000transmemb	667	0	0	0	0	1	0
ENST00000aldo-keto r	1134	0	0	0	0	3	0
ENST00000single immu	80	0	0	0	0	1	0

ENST00000succinate d	2317	0	0	0	0	1	0
ENST00000REST corep	5	0	0	0	0	1	0
ENST00000ring finger j	13589	0	0	0	0	1	0
ENST00000SET binding	2045	0	0	0	0	1	0
ENST00000 calpain 15	5	0	0	0	0	2	0
ENST00000spermidine	46	0	0	0	0	2	1
ENST00000docking pro	331	0	0	0	0	2	2
ENST00000coiled-coil-l	1577	0	0	0	0	1	0
ENST00000 epsin 1	5464	0	0	0	0	1	0
ENST00000THO compl	1143	0	0	0	0	1	0
ENST00000catechol-O-	138	0	0	0	0	1	0
ENST00000R3H domain	123	0	0	0	0	1	0
ENST00000chromosom	274	0	0	0	0	1	0
ENST00000aldehyde d	520	0	0	0	0	2	1
ENST00000solute carri	910	0	0	0	0	1	0
ENST00000angiotensin	3213	0	0	0	0	3	2
ENST00000glycerate ki	3833	0	0	0	0	2	0
ENST00000ribosomal p	5407	0	0	0	0	2	0
ENST00000RAB1B, me	5	0	0	0	0	1	0
ENST00000solute carri	61	0	0	0	0	5	1
ENST00000zinc finger j	154	0	0	0	0	1	0
ENST00000adrenomec	129	0	0	0	0	1	1
ENST00000cell death-i	1857	0	0	0	0	1	0
ENST00000IQ motif an	5	0	0	0	0	2	1
ENST00000ribosomal p	101	0	0	0	0	1	0
ENST00000solute carri	470	0	0	0	0	1	0
ENST00000peptidylpro	934	0	0	0	0	2	1
ENST00000CTD (carbo	1299	0	0	0	0	1	0
ENST00000pancreatic	17979	0	0	0	0	1	0
ENST00000cyclin-depe	354	0	0	0	0	1	0
ENST00000dolichyl-ph	1667	0	0	0	0	2	0
ENST00000quinolinate	1165	0	0	0	0	1	0
ENST00000single stran	510	0	0	0	0	1	0
ENST00000progesterin a	703	0	0	0	0	3	0
ENST00000nuclear rec	814	0	0	0	0	1	0
ENST00000 basigin	6876	0	0	0	0	1	1
ENST00000ribosomal p	1785	0	0	0	0	3	1

Poorly.cons	Poorly.cons	X6mer.site	Representa	Cumulative	Total.conte	Aggregate.I	Previous.Target	Scan.pu
0	0	0	hsa-miR-12	-0.31	-0.31	0.95	2007, 2009, 2011	
0	0	2	hsa-miR-12	-0.04	-0.05	0.69		
1	0	2	hsa-miR-12	-0.68	-0.68	> 0.99	2011	
0	0	0	hsa-miR-12	-0.35	-0.35	0.64	2007, 2009, 2011	
0	0	0	hsa-miR-12	-0.32	-0.33	0.8	2011	
0	0	0	hsa-miR-12	-0.35	-0.35	0.52	2005, 2007, 2009, 2011	
0	0	0	hsa-miR-12	-0.02	-0.02	0.24		
0	1	0	hsa-miR-12	-0.05	-0.13	< 0.1		
0	0	1	hsa-miR-12	-0.03	-0.03	0.9	2005, 2007, 2009, 2011	
0	0	0	hsa-miR-12	-0.16	-0.16	0.44		
2	0	0	hsa-miR-12	-0.06	-0.06	ORF	2007, 2011	
0	0	0	hsa-miR-12	-0.26	-0.26	0.41	2011	
0	0	1	hsa-miR-12	-0.48	-0.48	0.96	2011	
0	0	0	hsa-miR-12	-0.61	-0.63	0.96	2005, 2007, 2009, 2011	
0	0	1	hsa-miR-12	-0.13	-0.28	0.97	2009, 2011	
0	0	2	hsa-miR-12	-0.02	-0.02	0.36		
0	0	2	hsa-miR-12	-0.34	-0.34	0.62	2005, 2007, 2009, 2011	
0	0	0	hsa-miR-12	-0.43	-0.43	0.94	2005, 2007, 2009, 2011	
0	0	0	hsa-miR-12	-0.26	-0.26	0.55	2009, 2011	
0	0	0	hsa-miR-12	-0.18	-0.18	0.5	2007, 2009, 2011	
1	1	1	hsa-miR-12	-0.73	-0.73	0.96	2005, 2007, 2009, 2011	
1	0	1	hsa-miR-12	-0.05	-0.05	0.36	2009, 2011	
0	1	1	hsa-miR-12	-0.23	-0.41	0.79	2005, 2007, 2011	
1	0	0	hsa-miR-12	-0.26	-0.34	0.84	2007, 2009, 2011	
0	0	0	hsa-miR-12	-0.1	-0.1	ORF		
0	0	0	hsa-miR-12	-0.03	-0.03	< 0.1		
0	0	1	hsa-miR-12	-0.08	-0.35	0.77		
1	0	3	hsa-miR-12	-0.21	-0.21	0.82		
0	0	2	hsa-miR-12	-0.21	-0.21	0.65	2007, 2009, 2011	
0	0	0	hsa-miR-12	-0.14	-0.14	0.48		
1	0	0	hsa-miR-12	-0.02	-0.02	< 0.1		
0	0	1	hsa-miR-12	-0.23	-0.23	< 0.1		
1	0	0	hsa-miR-12	-0.13	-0.13	< 0.1		
0	0	0	hsa-miR-12	-0.08	-0.08	< 0.1		
4	0	1	hsa-miR-12	0	-0.1	< 0.1		
2	0	4	hsa-miR-12	-0.21	-0.45	0.11		
3	0	0	hsa-miR-12	-0.09	-0.09	< 0.1		
1	0	0	hsa-miR-12	-0.18	-0.18	< 0.1		
1	0	0	hsa-miR-12	-0.03	-0.03	0.11	2011	
0	1	0	hsa-miR-12	-0.15	-0.17	< 0.1		
0	0	0	hsa-miR-12	-0.2	-0.2	< 0.1		
1	0	0	hsa-miR-12	-0.09	-0.22	< 0.1		
2	0	0	hsa-miR-12	0	-0.23	< 0.1		
0	1	0	hsa-miR-12	-0.12	-0.12	< 0.1		
0	3	0	hsa-miR-12	-0.41	-0.41	< 0.1		
1	0	1	hsa-miR-12	-0.09	-0.09	< 0.1		
0	1	0	hsa-miR-12	-0.02	-0.12	< 0.1		
0	0	0	hsa-miR-12	-0.24	-0.24	< 0.1		
1	0	1	hsa-miR-12	-0.07	-0.07	< 0.1		
1	1	0	hsa-miR-12	-0.38	-0.4	< 0.1		

1	0	0 hsa-miR-12	-0.13	-0.13 < 0.1	
1	0	0 hsa-miR-12	0	-0.08 < 0.1	
1	0	0 hsa-miR-12	-0.18	-0.18 < 0.1	
1	0	0 hsa-miR-12	-0.02	-0.02 < 0.1	
0	1	0 hsa-miR-12	0	-0.1 < 0.1	
0	0	0 hsa-miR-12	-0.08	-0.26 < 0.1	
0	0	1 hsa-miR-12	-0.18	-0.18 < 0.1	
1	0	0 hsa-miR-12	0	-0.02 < 0.1	
1	0	2 hsa-miR-12	-0.03	-0.12 < 0.1	
0	1	0 hsa-miR-12	0	-0.03 < 0.1	
1	1	0 hsa-miR-12	-0.41	-0.41 < 0.1	
1	0	0 hsa-miR-12	-0.02	-0.02 < 0.1	
0	1	4 hsa-miR-12	-0.04	-0.05 < 0.1	
1	0	0 hsa-miR-12	-0.12	-0.12 < 0.1	
1	0	1 hsa-miR-12	-0.34	-0.34 < 0.1	
0	1	0 hsa-miR-12	-0.09	-0.19 < 0.1	
2	0	0 hsa-miR-12	-0.07	-0.07 < 0.1	
1	0	0 hsa-miR-12	-0.03	-0.12 < 0.1	
2	1	0 hsa-miR-12	-0.09	-0.12 < 0.1	
0	3	1 hsa-miR-12	-0.03	-0.11 < 0.1	
1	0	3 hsa-miR-12	0	-0.02 < 0.1	
1	1	0 hsa-miR-12	-0.01	-0.14 < 0.1	
1	0	1 hsa-miR-12	-0.03	-0.07 < 0.1	
1	0	0 hsa-miR-12	-0.02	-0.02	0.17
1	0	1 hsa-miR-12	0	-0.11 < 0.1	
0	1	0 hsa-miR-12	-0.22	-0.22 < 0.1	
1	0	0 hsa-miR-12	-0.02	-0.02 < 0.1	
2	0	0 hsa-miR-12	-0.02	-0.04	0.16
1	0	0 hsa-miR-12	0	-0.15 < 0.1	
1	1	1 hsa-miR-12	-0.01	-0.18 < 0.1	
1	0	0 hsa-miR-12	0	-0.03 < 0.1	
1	0	0 hsa-miR-12	-0.01	-0.16 < 0.1	
0	1	0 hsa-miR-12	-0.12	-0.12 < 0.1	
1	0	1 hsa-miR-12	-0.09	-0.09 < 0.1	
0	0	0 hsa-miR-12	-0.28	-0.28 < 0.1	
1	0	1 hsa-miR-12	0	-0.25 < 0.1	
0	2	0 hsa-miR-12	-0.21	-0.25 < 0.1	
0	0	0 hsa-miR-12	0	-0.14 < 0.1	
1	2	0 hsa-miR-12	0	-0.14 < 0.1	
0	1	1 hsa-miR-12	0	-0.07 < 0.1	2011
0	1	2 hsa-miR-12	0	-0.04 < 0.1	
0	1	0 hsa-miR-12	-0.09	-0.09 < 0.1	
1	1	0 hsa-miR-12	-0.01	-0.1 < 0.1	
1	0	0 hsa-miR-12	-0.02	-0.04 < 0.1	
1	0	0 hsa-miR-12	-0.13	-0.13 < 0.1	
0	1	1 hsa-miR-12	-0.05	-0.05 < 0.1	
1	0	0 hsa-miR-12	-0.14	-0.18	0.16 2005, 2007, 2009, 2011
0	0	0 hsa-miR-12	0	-0.1 < 0.1	
1	0	1 hsa-miR-12	0	-0.02 < 0.1	
0	1	0 hsa-miR-12	-0.02	-0.12 < 0.1	
0	3	0 hsa-miR-12	0	-0.45 < 0.1	
1	0	0 hsa-miR-12	-0.15	-0.16 < 0.1	

1	0	1 hsa-miR-12	-0.01	-0.11 < 0.1	
1	0	1 hsa-miR-12	-0.04	-0.04 < 0.1	
0	1	1 hsa-miR-12	-0.11	-0.13 < 0.1	
1	0	0 hsa-miR-12	0	-0.02 < 0.1	
1	1	0 hsa-miR-12	-0.04	-0.04 < 0.1	
0	1	1 hsa-miR-12	-0.03	-0.3 < 0.1	
0	0	0 hsa-miR-12	-0.34	-0.34 < 0.1	
1	0	0 hsa-miR-12	-0.09	-0.09 < 0.1	
0	1	0 hsa-miR-12	0	-0.11 < 0.1	
1	0	0 hsa-miR-12	-0.38	-0.38 < 0.1	
1	0	0 hsa-miR-12	0	-0.07 < 0.1	
1	0	0 hsa-miR-12	-0.03	-0.03 < 0.1	
0	1	0 hsa-miR-12	-0.15	-0.15 < 0.1	
1	0	0 hsa-miR-12	-0.18	-0.18 < 0.1	
1	0	0 hsa-miR-12	0	-0.11	0.17
0	1	1 hsa-miR-12	-0.43	-0.6 < 0.1	
2	0	0 hsa-miR-12	-0.25	-0.25 < 0.1	
2	0	2 hsa-miR-12	-0.07	-0.4 < 0.1	
1	0	1 hsa-miR-12	-0.11	-0.11 < 0.1	
2	2	2 hsa-miR-12	-0.11	-0.21 < 0.1	
1	0	0 hsa-miR-12	-0.12	-0.12 < 0.1	
0	0	2 hsa-miR-12	-0.1	-0.11 < 0.1	
1	0	0 hsa-miR-12	-0.07	-0.1 < 0.1	
0	1	1 hsa-miR-12	-0.23	-0.23 < 0.1	
1	0	0 hsa-miR-12	-0.02	-0.2 < 0.1	
1	0	1 hsa-miR-12	-0.15	-0.16 < 0.1	
1	0	0 hsa-miR-12	0	-0.38 < 0.1	
1	0	1 hsa-miR-12	-0.1	-0.1 < 0.1	
0	1	1 hsa-miR-12	0	-0.09 < 0.1	
1	0	0 hsa-miR-12	-0.03	-0.26 < 0.1	
2	0	0 hsa-miR-12	-0.28	-0.28 < 0.1	
0	1	1 hsa-miR-12	-0.04	-0.24 < 0.1	
1	0	1 hsa-miR-12	-0.09	-0.09 < 0.1	
2	1	0 hsa-miR-12	-0.31	-0.32 < 0.1	
1	0	1 hsa-miR-12	0	-0.13 < 0.1	
0	0	0 hsa-miR-12	-0.29	-0.34 < 0.1	
0	2	0 hsa-miR-12	-0.44	-0.53 < 0.1	

Publication.s.

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Supplemental Table 3. Mienturnet Enrichment results TargetScan

Seed	miRNA family
UUUAUUGA	hsa-miR-325-3p
AAGGCAC	hsa-miR-124-3p.1
CCCUGAG	hsa-miR-125a-5p/hsa-miR-125b-5p/hsa-miR-4319
UAUUGCU	hsa-miR-137
AGCAGCA	hsa-miR-15a-5p/hsa-miR-15b-5p/hsa-miR-16-5p/hsa-miR-195-5p,
UUGGCAC	hsa-miR-1271-5p/hsa-miR-96-5p
AGCACCA	hsa-miR-29a-3p/hsa-miR-29b-3p/hsa-miR-29c-3p
GAGGUAG	hsa-let-7a-5p/hsa-let-7b-5p/hsa-let-7c-5p/hsa-let-7d-5p/hsa-let-7
UAUAAAAG	hsa-miR-340-5p
CUUUGGU	hsa-miR-9-5p
GGCAGUG	hsa-miR-34a-5p/hsa-miR-34c-5p/hsa-miR-449a/hsa-miR-449b-5p
UUGGCAA	hsa-miR-182-5p
CCAGGAG	hsa-miR-665
UAAGGCA	hsa-miR-124-3p.2/hsa-miR-506-3p
UGGCACU	hsa-miR-183-5p.2
CACAGUG	hsa-miR-128-3p/hsa-miR-216a-3p/hsa-miR-3681-3p
CUCUGGG	hsa-miR-326/hsa-miR-330-5p
GAGGCUG	hsa-miR-485-5p/hsa-miR-6884-5p
UCACAGU	hsa-miR-27a-3p/hsa-miR-27b-3p
GGGCCCC	hsa-miR-296-5p
CUGGCUG	hsa-miR-3064-5p/hsa-miR-6504-5p
GAGGGGC	hsa-miR-3184-5p/hsa-miR-423-5p
AAAGUGC	hsa-miR-106a-5p/hsa-miR-106b-5p/hsa-miR-17-5p/hsa-miR-20a-!
AUAAAGU	hsa-miR-142-5p/hsa-miR-5590-3p
AUGGCUU	hsa-miR-135a-5p/hsa-miR-135b-5p
CCUUGGC	hsa-miR-212-5p
UCACAUU	hsa-miR-130a-5p/hsa-miR-23a-3p/hsa-miR-23b-3p/hsa-miR-23c
UUGGUCC	hsa-miR-133a-3p.2/hsa-miR-133b
AGCUGCC	hsa-miR-22-3p
AUUGCAC	hsa-miR-25-3p/hsa-miR-32-5p/hsa-miR-363-3p/hsa-miR-367-3p/t
GGAAUGU	hsa-miR-1-3p/hsa-miR-206/hsa-miR-613
GUGCAAA	hsa-miR-19a-3p/hsa-miR-19b-3p
AACACUG	hsa-miR-141-3p/hsa-miR-200a-3p
ACAUUCA	hsa-miR-181a-5p/hsa-miR-181b-5p/hsa-miR-181c-5p/hsa-miR-18
GCAGGAA	hsa-miR-873-5p.2
GCUGGUG	hsa-miR-138-5p
GGCUCAG	hsa-miR-24-3p
GUAAACA	hsa-miR-30a-5p/hsa-miR-30b-5p/hsa-miR-30c-5p/hsa-miR-30d-5p
CAAAGCA	hsa-miR-330-3p
CACCUCC	hsa-miR-1306-5p
CCACAGG	hsa-miR-140-3p.1
UCACACA	hsa-miR-377-3p
AAAGCAC	hsa-miR-6835-3p
AGCCCUU	hsa-miR-129-1-3p/hsa-miR-129-2-3p
GCAGCAU	hsa-miR-103a-3p/hsa-miR-107
GGCUCUG	hsa-miR-760
UGGUCCC	hsa-miR-133a-3p.1
AAAGCUG	hsa-miR-320a/hsa-miR-320b/hsa-miR-320c/hsa-miR-320d/hsa-mi
AACAAAC	hsa-miR-495-3p/hsa-miR-5688
AAUACUG	hsa-miR-200b-3p/hsa-miR-200c-3p/hsa-miR-429

ACACACC hsa-miR-329-3p/hsa-miR-362-3p
 CAGGAAC hsa-miR-873-5p.1
 CCCCUGG hsa-miR-331-3p
 GUGGGGA hsa-miR-491-5p
 UCCAGUU hsa-miR-145-5p/hsa-miR-5195-3p
 UGCCCUG hsa-miR-874-3p
 UGUGCUU hsa-miR-218-5p
 UUUUUGC hsa-miR-129-5p
 CAGUGCA hsa-miR-148a-3p/hsa-miR-148b-3p/hsa-miR-152-3p
 CCAGCAU hsa-miR-338-3p
 CCAGUGU hsa-miR-199a-5p/hsa-miR-199b-5p
 GAGAUGA hsa-miR-143-3p/hsa-miR-4770/hsa-miR-6088
 UACAGUA hsa-miR-101-3p.2
 ACAGUAC hsa-miR-101-3p.1
 ACAGUAU hsa-miR-144-3p
 AGUGCAA hsa-miR-130a-3p/hsa-miR-130b-3p/hsa-miR-301a-3p/hsa-miR-30
 AGUGGUU hsa-miR-140-5p
 CUCACAC hsa-miR-342-3p
 CUGGCUC hsa-miR-149-5p
 GGGUCUU hsa-miR-193a-5p
 UCAAGUA hsa-miR-1297/hsa-miR-26a-5p/hsa-miR-26b-5p/hsa-miR-4465
 AACAUUC hsa-miR-543
 AAGUGCU hsa-miR-302a-3p/hsa-miR-302b-3p/hsa-miR-302c-3p.1/hsa-miR-3
 AUACAAG hsa-miR-300/hsa-miR-381-3p
 GAAACAU hsa-miR-494-3p
 GGAAGAC hsa-miR-7-5p
 GUAACAG hsa-miR-194-5p
 GUGACAG hsa-miR-542-3p
 UCAACAC hsa-miR-505-3p.2
 UGUACAU hsa-miR-493-5p
 UUCCUCA hsa-miR-670-3p
 AAAGAAU hsa-miR-186-5p
 AAGGUGC hsa-miR-18a-5p/hsa-miR-18b-5p/hsa-miR-4735-3p
 ACUGGCC hsa-miR-193a-3p/hsa-miR-193b-3p
 AGCAGCG hsa-miR-503-5p
 AGGUCAC hsa-miR-1193/hsa-miR-370-5p
 CAGUAGU hsa-miR-199a-3p/hsa-miR-199b-3p/hsa-miR-3129-5p
 CUCCCAC hsa-miR-532-3p
 GAUUGUC hsa-miR-219a-5p/hsa-miR-4782-3p/hsa-miR-6766-3p
 GGAGAGA hsa-miR-185-5p/hsa-miR-4306/hsa-miR-4644
 GGAGUGU hsa-miR-122-5p
 GGCAAGA hsa-miR-31-5p
 GUAGUGU hsa-miR-142-3p.1
 UAGUGUU hsa-miR-142-3p.2
 UCAUGAU hsa-miR-433-3p
 UCCCUUU hsa-miR-204-5p/hsa-miR-211-5p
 UGAAAUG hsa-miR-203a-3p.2
 UGCAUAG hsa-miR-153-3p
 UGCAUUAU hsa-miR-448
 UGCAUUG hsa-miR-33a-5p/hsa-miR-33b-5p
 GCGGGGC hsa-miR-744-5p
 AAGUCAC hsa-miR-224-5p

ACCACAG hsa-miR-140-3p.2
 ACCCUGU hsa-miR-10a-5p/hsa-miR-10b-5p
 AGGAGCU hsa-miR-28-5p/hsa-miR-3139/hsa-miR-708-5p
 AGGUAGU hsa-miR-196a-5p/hsa-miR-196b-5p
 AGUGCUU hsa-miR-302c-3p.2/hsa-miR-520f-3p
 AUGGCAC hsa-miR-183-5p.1
 CACUCCU hsa-miR-483-3p.2
 CAGUCCA hsa-miR-455-3p.1
 CCCUGUC hsa-miR-339-5p
 CCUUCAU hsa-miR-205-5p
 CUACAGU hsa-miR-139-5p
 CUCCCAA hsa-miR-150-5p
 GAGAACU hsa-miR-146a-5p/hsa-miR-146b-5p/hsa-miR-7153-5p
 GGAUUUC hsa-miR-3167/hsa-miR-876-5p
 GUCAGUU hsa-miR-223-3p
 UAAUACA hsa-miR-374c-5p/hsa-miR-655-3p
 UGAGGAC hsa-miR-1224-5p
 AGAUCAG hsa-miR-383-5p.2
 AUAAUAC hsa-miR-369-3p
 AUCCUUG hsa-miR-362-5p
 AUGCACC hsa-miR-501-3p/hsa-miR-502-3p
 AUGUGGG hsa-miR-299-3p
 CAAGAGC hsa-miR-335-5p
 CCUGUAC hsa-miR-486-5p
 CUCAAAC hsa-miR-371a-5p
 GAAAUGU hsa-miR-203a-3p.1
 GAAGGUC hsa-miR-493-3p
 GGUAGAC hsa-miR-3529-5p/hsa-miR-379-5p
 GUCAACA hsa-miR-505-3p.1
 UAUAUA hsa-miR-374a-5p/hsa-miR-374b-5p
 UCAUAGA hsa-miR-376a-3p/hsa-miR-376b-3p
 UCCUAUG hsa-miR-202-5p
 UGAAACA hsa-miR-653-5p
 UUGUGAC hsa-miR-758-3p
 AUGGCGC hsa-miR-652-3p
 AACCUGG hsa-miR-490-3p
 AAUGCCC hsa-miR-365a-3p/hsa-miR-365b-3p
 ACCCUGG hsa-miR-504-5p.1
 ACUGCAU hsa-miR-217/hsa-miR-6807-3p
 CUUGUUA hsa-miR-544a
 GAAUUGU hsa-miR-219a-2-3p
 GCCUGUC hsa-miR-214-5p
 GUGACUG hsa-miR-134-5p/hsa-miR-3118
 UACAGUU hsa-miR-582-5p
 UAGAGGA hsa-miR-877-5p
 UCAACAG hsa-miR-421
 UCAUUCG hsa-miR-1298-5p
 UGCAGUC hsa-miR-455-3p.2
 UGGCCCU hsa-miR-328-3p
 UGUGCGU hsa-miR-210-3p
 UUCCUAG hsa-miR-384
 UUGUUCG hsa-miR-375

AACAGUC hsa-miR-132-3p/hsa-miR-212-3p
AACCGUU hsa-miR-451a
AAGUUGU hsa-miR-382-5p
AAUCUCU hsa-miR-216b-5p
AAUGUUG hsa-miR-409-3p
ACUGUUU hsa-miR-452-5p/hsa-miR-4676-3p/hsa-miR-892c-3p
AGCUUUAU hsa-miR-21-5p/hsa-miR-590-5p
AUCAUUC hsa-miR-382-3p
AUCCCUU hsa-miR-188-5p/hsa-miR-6866-3p
AUGCCUU hsa-miR-532-5p
AUGUAAC hsa-miR-379-3p/hsa-miR-411-3p
CAGUAAC hsa-miR-802
CCGAGCC hsa-miR-615-3p
CGUACCG hsa-miR-126-3p.1
CUCUAGC hsa-miR-1251-5p
CUGGACU hsa-miR-378a-3p/hsa-miR-378b/hsa-miR-378c/hsa-miR-378d/hsa
GAUAUGU hsa-miR-190a-5p/hsa-miR-190b
GAUCAGA hsa-miR-383-5p.1
GGACGGA hsa-miR-184
GGUUUAC hsa-miR-299-5p
GUCUGCC hsa-miR-346
UAAUGCU hsa-miR-155-5p
UCAUACA hsa-miR-485-3p/hsa-miR-539-3p
UGAAAGG hsa-miR-488-3p

p-value	FDR	Odd ratio
0.06999391	0.999999997	0.852494722
0.975242239	0.999999997	1.311530341
0.199380769	0.999999997	0.849804403
0.938889731	0.999999997	1.285073253
0.997681383	0.999999997	1.595621338
0.960848392	0.999999997	1.361193143
0.989516756	0.999999997	1.506098029
0.979023026	0.999999997	1.437043732
0.999010077	0.999999997	1.733879797
0.999754797	0.999999997	1.900421876
0.59228564	0.999999997	1.03236174
0.999372335	0.999999997	1.819640255
0.102130438	0.999999997	0.729268519
0.999688916	0.999999997	1.909645826
0.781927944	0.999999997	1.160199917
0.999284143	0.999999997	1.863606147
0.174928257	0.999999997	0.784996548
0.067546821	0.999999997	0.681547391
0.999974806	0.999999997	2.16178313
4.07875E-05	0.008279868	0.325381606
0.371442579	0.999999997	0.905269617
0.00066274	0.067268079	0.397062208
0.999997534	0.999999997	2.528419115
0.994510013	0.999999997	1.7342947
0.976951189	0.999999997	1.548086216
0.231877956	0.999999997	0.806903429
0.999994199	0.999999997	2.44991946
0.883121008	0.999999997	1.297982665
0.807699253	0.999999997	1.212702309
0.999419011	0.999999997	2.036166296
0.993923635	0.999999997	1.752550433
0.999997932	0.999999997	2.619045793
0.99752987	0.999999997	1.906319882
0.999999675	0.999999997	2.88791664
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0.97806408	0.999999997	1.602993846
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0.999893601	0.999999997	2.352707678
0.084231663	0.999999997	0.638950679
0.956331536	0.999999997	1.517507862
0.938846607	0.999999997	1.458176728
0.999794982	0.999999997	2.34752139
0.838173143	0.999999997	1.27956097
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0.92878099	0.999999997	1.451330828
0.999541891	0.999999997	2.319390964
0.999704456	0.999999997	2.382373245
0.999999686	0.999999997	3.275078622

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0.999856037	0.999999997	2.483692567
0.395257478	0.999999997	0.887228657
0.999997481	0.999999997	3.017672777
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0.999616072	0.999999997	2.440183069
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0.999999415	0.999999997	3.576982818
0.999909116	0.999999997	2.965252742
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0.99998245	0.999999997	3.258648462
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0.968835865	0.999999997	2.272838843
0.999771367	0.999999997	4.207946613
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0.107078421	0.999999997	0.383370407
0.99362467	0.999999997	2.930045256
0.990637948	0.999999997	2.77487152

0.999977685	0.999999997	6.489913324
0.187940677	0.999999997	0.397062208
0.983825126	0.999999997	2.984812457
0.99970183	0.999999997	5.148116898
0.998595845	0.999999997	4.326608882
0.999279604	0.999999997	4.682595689
0.999758061	0.999999997	5.2576513
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0.983825126	0.999999997	2.984812457
0.992042958	0.999999997	3.381874664
0.998363626	0.999999997	4.244458081
0.999798577	0.999999997	5.353493902
0.062082434	0.999999997	0.205377004
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0.985673106	0.999999997	3.053271458
0.990999154	0.999999997	3.313415663
0.187940677	0.999999997	0.397062208
0.996503533	0.999999997	3.833704073
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0.999952878	0.999999997	6.106542916
0.999943242	0.999999997	6.010700314

Number of interactions	Target Gene 1	Target Gene 2	Target Gene 3
76	SCT	TMED1	MAZ
38	CTDSP1	NFIC	RNPEPL1
30	SSTR3	TLE3	LRRC10B
28	HCN2	GLIS2	LRRC10B
26	SPTBN2	CBFA2T3	NUCKS1
24	CTDSP1	CAMK2N1	CBFA2T3
23	NFIC	BAK1	PALM
23	CERCAM	CDC34	NAT8L
22	MACROD2	SLC12A5	GLIS2
20	FOXP4	NFIC	PAK4
20	CBFA2T3	ALDOA	LIMD2
20	CBFA2T3	CAMK2N1	GPC1
19	TIMM13	FCGRT	TMEM115
19	NFIC	MACROD2	FBRSL1
19	CAMK2N1	PRRT3	SLC8A2
18	DLGAP3	FBRSL1	CDIP1
18	SLC8A2	DGCR6L	GLIS2
18	TIMM13	APOC3	JUND
18	FOXP4	ZBTB42	DLGAP3
17	LIMD2	TMEM115	EPN1
17	NFIC	FAM83F	TMEM134
16	C20orf27	VGF	RASL10B
15	ANKRD9	NBL1	CAPN15
15	NUCKS1	CERCAM	ALG3
15	KLF16	GLYCTK	SLC9A3R2
15	SPTBN2	SLC16A3	CTDSP1
15	CBFA2T3	GPSM1	NRGN
15	FOXP4	DLGAP3	CAPN15
14	LRRC73	FAM83F	FTL
14	SLC12A5	SPOCK2	CBFA2T3
14	GLIS2	SLC8A2	JUND
14	NFIC	FAM83F	HOMER1
13	IGF2	EPN1	SPOCK2
13	PAK4	CBFA2T3	NUCKS1
13	SLC25A39	AKR7A2	RAB1B
13	FOXP4	CAMK2N1	MAP3K11
13	PAK4	PSKH1	LIMD2
13	CAMK2N1	SBF1	FAM83F
12	CDC34	MACROD2	SORBS3
12	FAM83F	TMED1	NFIC
12	LFNG	FCGRT	TRIM28
12	RASL10B	G6PC3	PSKH1
11	MAZ	NAA38	NDUFC2
11	CAMK2N1	NUCKS1	FAM83F
11	SRM	WNT4	NAT8L
11	MMP15	RASL10B	MAP3K11
11	DLGAP3	CAPN15	FTL
10	FTL	E2F1	NXPH4
10	CDC34	MACROD2	PRR7
10	GLIS2	SBF1	LFNG

10	SLC8A2	TPRA1	MLST8
10	MAZ	C8orf82	HSD3B7
10	TIMM13	SLC25A1	ZNF593
10	RASL10B	TAF10	OTOP3
10	PAK4	MAP3K11	EPN1
10	SLC12A5	LRP3	GLIS2
10	BBX	GPR153	CHST8
10	CAMK2N1	FAM83F	HOMER1
9	LIMD2	NAT8L	TMEM54
9	BBX	MACROD2	SLC27A4
9	MAP3K11	BCAM	ZBTB42
9	FAM83F	TMEM134	YIF1B
9	BBX	DLGAP3	MMP15
8	BBX	DLGAP3	MMP15
8	AGRN	BBX	PSKH1
8	TCIRG1	LIMD2	NFIC
8	TMEM115	CERCAM	PIN1
8	NUCKS1	SPOCK2	CAMK2N1
8	MMP15	RASL10B	PSKH1
8	BCL7C	G6PC3	ZNF81
8	GPSM1	BAK1	BBX
7	SLC12A5	SDF2L1	UBE2M
7	CAMK2N1	ZFPM1	SBF1
7	KLF16	GPC1	CTU2
7	JUND	CTDSP1	ORAI3
7	NDUFA4	NFIC	NUCKS1
7	NUCKS1	FAM83F	SRM
7	MAP3K11	INTS5	ATG2A
7	MMP15	MAZ	G6PC3
7	NDUFC2	SPNS2	CAMK2N1
7	VGF	RPL37	FAM83F
6	WNT4	KNDC1	ZNF81
6	BBX	ORAI3	CAMK2N1
6	PAK4	GRB7	FAM83F
6	SPTBN2	WNT4	CBFA2T3
6	IGFBP4	PSKH1	PIM3
6	PAK4	CD151	BBX
6	NFIC	DNLZ	SLC35C2
6	CBFA2T3	KLF16	PPP1R14B
6	OTOP3	ZNF81	SLC35C2
6	ALDOA	CD320	SLC52A2
6	HOMER1	NFIC	AGRN
6	EPN1	NR2F6	MAP3K11
6	NFIC	TMEM115	MAP3K11
6	NR2F6	COX8A	NUCKS1
6	NXPH4	SDHAF1	WNT4
6	BBX	HOMER1	C11orf68
6	NFIC	CIB2	FBRSL1
6	CAPN15	CIB2	UNC5A
6	PIM3	SLC12A5	MACROD2
5	LRP3	JUNB	NRGN
5	SLC12A5	G6PC3	SLC35C2

5	MAGIX	MAP1LC3A	HSPG2
5	PRRT3	BBX	RASL10B
5	DGCR6L	BCAM	NUDT16L1
5	CBFA2T3	SLC8A2	NME4
5	CAMK2N1	COX7B	TSEN34
5	CTDSP1	MACROD2	SLC8A2
5	G6PC3	CAMK2N2	AMN
5	CAMK2N1	MFAP2	RPS6KA4
5	MMP15	FAM3A	SPTBN2
5	NDUFA4	E2F1	TCEA2
5	TBX1	MPND	CKB
5	RNASEH2C	NFIC	SBF1
5	AMN	CARD10	FAM83F
5	G6PC3	CBFA2T3	NXPH4
5	E2F1	PEX16	NUCKS1
5	RRP9	PACSIN3	NUCKS1
5	WNT4	PAQR4	SSTR3
4	DGCR6L	TPRA1	MEGF8
4	ZNF771	ZNF81	CEBPA
4	ZNF688	TMEM115	DOK1
4	SLC8A2	ILVBL	TMEM198
4	KNDC1	ORAI3	FOXP4
4	NUCKS1	RPS9	PGF
4	SLC12A5	TMEM115	GPR153
4	MACROD2	EPN1	CRIP2
4	BBX	MACROD2	RPL37
4	E2F1	HSD3B7	DNLZ
4	CACFD1	KNDC1	NTMT1
4	SLC2A4RG	NUCKS1	BBX
4	AMN	ZNF771	ZNF81
4	MACROD2	DOK1	ATG2A
4	NDUFA4	GLYCTK	ALG3
4	TSEN34	ORAI3	TEX264
4	CAMK2N1	TP53I11	FBRSL1
3	HSD3B7	SLC35C2	RPL28
3	CACNA1H	NUCKS1	FAM83F
3	EPN1	NUCKS1	RAB1B
3	RASL10B	FBRSL1	RPS9
3	SLC35C2	ZFHX2	HOMER1
3	DLGAP3	CENPM	BAK1
3	LIMD2	TCIRG1	AMN
3	TAF10	GLYCTK	PAK4
3	MAGIX	CISD3	TM7SF2
3	CD81	CAMK2N1	SLC29A4
3	SORBS3	CBFA2T3	FOXP4
3	SLC8A2	G6PC3	NLE1
3	NDUFA4	E2F1	ZFHX2
3	LIMD2	SH2B2	BBX
3	SHISA5	SLC27A4	RPS9
3	NDUFA4	FAM89B	CDIP1
3	MMP15	FAM83F	LFNG
3	IGFBP4	JUND	FAM83F

2 DUSP9	BBX
2 TBX1	MIF
2 LIMD2	LMTK3
2 NUCKS1	IQSEC3
2 MAP1A	BAK1
2 WNT4	NAT8L
2 GLIS2	SLC2A4RG
2 LIMD2	RPL36A-HNRNPH2
2 NFIC	MAPK8IP2
2 G6PC3	CAMK2N1
2 NME3	PRR7
2 UBE2M	TMEM129
2 LRRC73	IGF2
2 EGFL7	BAK1
2 FAM83F	NFIC
2 FAM83F	ATG2A
2 CEBPA	NUCKS1
2 RASL10B	RPL36A-HNRNPH2
2 ALDH4A1	NFIC
2 FOXP4	CDHR5
2 LIMD2	RNASEH2C
2 UQCR11	PSKH1
2 GPC1	BBX
2 CIB2	FAM83F

Target Gene 4	Target Gene 5	Target Gene 6	Target Gene 7
APOC3	HCN2	LRP3	FLYWCH1
NAT8L	CEBPA	SERINC2	TMEM134
LFNG	BAK1	KLF16	MAP3K11
NAT8L	NUCKS1	ABHD17A	RCOR2
WNT4	PSKH1	HSPG2	NAT8L
PRRT3	TMEM198	ABCA2	TBX1
GLIS2	MFAP2	NTNG2	R3HDM4
CBFA2T3	RASL10B	LIMD2	KLHDC8B
FGFR4	SHISA5	IRF2BP1	C2CD4C
SLC27A4	RPS6KA4	C1QL1	MMP15
G6PC3	ORAI3	SLC27A4	SPTBN2
CHMP1A	TMEM115	NFIC	PRRT3
BCAM	ZNF787	TMEM129	FAM83F
TMEM134	AKR7A2	RASL10B	SLC48A1
CTDSP1	FAM83F	TMEM198	ABCA2
FOXP4	ZBTB42	NR2F6	CBFA2T3
RASL10B	G6PC3	SLC27A4	CBFA2T3
DISP2	SPNS2	FAM83F	ZNF81
NR2F6	FBRSL1	SLC27A4	CAPN15
VPS51	SPNS2	NFIC	FOXP4
PGF	SPTBN2	ATG2A	BAK1
MED16	RNPEPL1	ZNF787	FOXP4
ALG3	NFIC	E2F1	CAMK2N1
TMEM54	SPOCK2	RPS6KA4	FBRSL1
NUCKS1	GPC1	CAPN15	FAM83F
TMEM115	IGFBP4	CBFA2T3	FOXP4
EGLN2	NUCKS1	NAA38	EPN1
FTL	MMP15	SLC27A4	SLC25A39
RPS9	CENPB	CAMK2N1	DPM2
C2CD4C	DSCAML1	NFIC	CACNA1H
ZNF580	ORAI3	TSPAN4	SLC16A3
PRRT3	LIMD2	GPR153	TNFRSF12A
SRM	FBRSL1	PDXP	NUCKS1
GPSM1	G6PC3	MAP1A	HCN2
NDUFS7	C8orf82	ORAI3	WNK2
TMEM198	NINJ1	TAF10	UNC5A
TMEM115	FCGRT	COMTD1	WNT4
FOXP4	BBX	G6PC3	JUNB
NAA38	GPC1	VKORC1	NAT8L
CISD3	SPTBN2	STOML1	ALDOA
DLGAP3	NBL1	MFAP2	CISD3
CAMK2N2	PRR7	ZNF580	SSTR3
AMN	ZDHHC24	MFAP2	DNPH1
CACFD1	CIB2	GPC1	SLC48A1
SLC8A2	CAMK2N1	PWWP2B	RAB1B
NDUFAB3	TAS1R3	PPDPF	GPR153
FOXP4	MMP15	SLC8A2	SHISA5
MAGIX	LAGE3	CHST8	SLC48A1
NAT8L	C2CD4C	TESC	ABCA2
PIN1	GAL3ST1	TUBB3	LYPLA2

PRR7	NDUFAF3	FAM83F	KCTD11
DLGAP3	CAMK2N1	MPST	NUDT16L1
SPNS2	FAM83F	DLGAP3	ATG2A
VWA1	FOXP4	DLGAP3	GIPC1
RPL36A-HNRNPH2	ZFHX2	NINJ1	NDUFA4
TMEM115	RASL10B	VKORC1	MEGF8
FBRSL1	NAT8L	CENPB	UBTD1
SLC2A4RG	FOXP4	SLC16A3	CIB2
HOMER1	MMP15	RNPEPL1	BBX
RNASEH2C	YIF1B	VWA1	RPUSD1
PAK4	JUNB	LIMD2	TST
NFIC	ABHD14A	VWA1	MPST
CAMK2N1	CD81	CEBPA	RPL36A-HNRNPH2
FOXP4	CEBPA	JUNB	NAT8L
DLGAP3	MMP15	TOP2A	TBX1
RNPEPL1	BBX	HOMER1	SLC2A4RG
CAMK2N1	SBF1	NUCKS1	SLC29A4
MAGIX	PDLIM2	C19orf25	NDUFA11
R3HDM4	GPR153	VPS37D	PGF
IGF2	CISD3	DSCAML1	MPST
MAP1A	SPOCK2	HOMER1	PIM3
IGFBP4	FAM83F	SPOCK2	COX7B
MAP3K11	E2F1	FAM83F	TSEN34
RHBDD2	NFIC	NUCKS1	PTMS
NFIC	C1orf122	SLC9A3R2	DSCAML1
PLEC	FGFR4	ZNF593	NDUFA3
DUSP9	GIPC1	ATP6V1F	MFAP2
SLC48A1	RPS6KA4	SPTBN2	CDIP1
CAMK2N2	FAM83F	RPL36A-HNRNPH2	NLE1
BBX	FBRSL1	CISD3	ABHD17A
ZNF81	CAMK2N1	MPST	RPL36
NUCKS1	LRRC10B	NLE1	
HOMER1	MESP1	ROMO1	
BAK1	TCEA2	ABHD17A	
PSKH1	CHPF	MAPK8IP2	
FOXP4	BBX	ATG2A	
PCBP4	CERS1	PHPT1	
ZFHX2	CISD3	PAK4	
NFIC	SLC8A2	MEGF8	
DLGAP3	SRM	ATP6V1F	
SPOCK2	G6PC3	SLC29A4	
CDIP1	MAGIX	CEBPA	
TMEM115	TSEN34	NUCKS1	
TSEN34	PLEC	TNFRSF12A	
FOXO6	SLC35B2	PAK4	
CBFA2T3	NFIC	FAM83F	
C1orf122	TFF3	PIM3	
CAPN15	BBX	RPL36A-HNRNPH2	
NFIC	RPL36A-HNRNPH2	HOMER1	
CAMK2N1	ISOC2	SHISA5	
CISD3	VPS37D		
AGRN	PAK4		

BAK1	SLC35B2
KCTD17	SLC25A1
SLC37A4	RPL28
CDC34	KLHDC8B
RPS6KA4	C19orf48
MAPK8IP1	LYPLA2
HOMER1	NUDT18
CERS4	SORBS3
TLE3	CERS4
WNK2	NUDT18
BBX	HOMER1
TMEM134	CISD3
NUCKS1	LFNG
BBX	ZFHX2
NFIC	NLE1
CAMK2N1	CEBPA
SLC35C2	YDJC
IGF2	
HOMER1	
CDIP1	
TSPAN4	
DLGAP3	
ALDOA	
ABHD17A	
DLGAP3	
TFF3	
RNF5	
C19orf25	
ANAPC11	
CEBPA	
DSCAML1	
HOMER1	
C1orf122	
SYNGR2	

Target Gene 8	Target Gene 9	Target Gene 10	Target Gene 11
RPLP1	GCHFR	GLIS2	ILVBL
PLEC	GLIS2	PIM3	LMF2
SLC8A2	LIMD2	GPC1	RASL10B
CACNA1H	SPOCK2	CACFD1	C2CD4C
KLHDC8B	FAM171A2	PIM3	CARD10
NAT8L	FAM83F	GPC1	CHMP1A
SPATA2L	RNPEPL1	CACFD1	FBXW9
GIPC1	KCTD17	MMP11	DUSP9
SIVA1	NUCKS1	AGPAT2	FOXO6
COL18A1	PRRT3	PIM3	WNT4
SIPA1	AGTRAP	RPS6KA4	SLC2A4RG
TSPAN4	ABCA2	TMEM198	TBX1
PALM	NTMT1	DLGAP3	IGF2
LMF2	ABCA2	TMEM129	TMED1
NAT8L	TBX1	MAPK8IP1	HOMER1
AGRN	ALDH4A1	RNPEPL1	BAK1
SSTR3	FAM83F	PALM	PLEC
VWA1	PLEC	NTMT1	DLK2
CBFA2T3	CDIP1	AGRN	BAK1
DLGAP3	LYPLA2	MAGIX	TMEM134
RASL10B	PLEC	R3HDM4	CDIP1
DLGAP3	MFAP2	SRM	PEX16
ATG2A	BBX	MAP3K11	FAM83F
SIVA1	BBX	TAF10	DNLZ
BBX	SNTA1	HCN2	CENPB
CDIP1	GPC1	VWA1	PDLIM4
BBX	SLC2A4RG	CAMK2N1	VPS37D
WNT4	C1QL1	SLC8A2	SORBS3
HOMER1	RASL10B	MACROD2	SLC48A1
RPS6KA4	FOXP4	NUCKS1	HCN2
IGFBP4	MTX1	SLC27A4	MAP1A
GLIS2	SLC35C2	SLC48A1	CISD3
SHISA5	CRIP2	GPRC5C	TSPAN4
SLC12A5	RASL10B	HOMER1	UNC5A
CHCHD5	SLC48A1	CEBPA	RPUSD1
PMVK	C19orf25	TBL3	GRB7
MED16	RPL36	WNK2	PDLIM2
ESPN	CAMK2N2	NUCKS1	STOML1
ABCA2	E2F1	PIM3	COX7B
VWA1	NUDT18	TCEA2	RPS9
PET100	PAQR4	GLYCTK	NUDT18
DOK1	SLC35C2	CAMK2N1	MAP1A
BBX	CISD3	TLE3	CDIP1
CENPB	SYNGR2	TBL3	PDLIM4
RPUSD1	BAK1	HSD3B7	TRMT112
WNK2	RPL36A-HNRNPH2	GPRC5C	GFER
PGLS	CDIP1	RNASEH2C	CLEC11A
BAK1	TM7SF2	SYNGR2	
NUCKS1	RPL36A-HNRNPH2	CISD3	
ZNF771	NFIC	BBX	

E2F1	SBF1	ALDOA
GPX1	SPTBN2	PAK4
PTRH1	BAK1	ABHD17A
DERL3	RPUSD1	NLE1
NUCKS1	ENHO	ATP6V0B
TIMM17B	DSCAML1	STOML1
ZFHX2	SLC35B2	RPS9
IGFBP4	NFIC	ZFHX2
NAT14	RPUSD1	
DNPH1	TRMT112	
NBL1	AMN	
SLC35B2	ABHD17A	
TBX1	HOMER1	
PDLIM2		
CEBPA		
SLC12A5		
PAK4		
FXVD3		
RPL28		
RPS2		
CISD3		

Target Gene 12	Target Gene 13	Target Gene 14	Target Gene 15
TMEM115	G6PC3	MED16	ZNF787
GPR153	SNTA1	SLC25A39	LIMD2
SLC27A4	TMED1	SPTBN2	MEGF8
FOXP4	ILVBL	DSCAML1	RPL37
EGLN2	GPR153	NFIC	C11orf68
TMEM115	TSPAN4	NFIC	LMTK3
CHMP6	HOMER1	TSPAN4	MAZ
CACFD1	SLC8A2	NME4	BBX
CERCAM	SPOCK2	TMEM198	MAPK8IP2
SYNGR2	GPR153	CISD3	SPTBN2
TMEM134	ZNF593	CDIP1	PGF
CTDSP1	NAT8L	CEBPA	SYNGR2
TRMT61A	TP53I11	RASSF7	MPST
SERINC2	KLF16	THEM6	AGRN
SLC18A3	LMTK3	BBX	TMEM129
BBX	G6PC3	SLC29A4	PDLIM2
DLGAP3	GPR153	MAP1A	NRGN
SDHAF1	PTMS	ZFHX2	SLC48A1
BBX	ALDH4A1	GIPC1	G6PC3
SLC29A4	ATG2A	RNF5	YIF1A
ABHD17A	GLYCTK	DERL3	RPL28
DERL3	RNF5	VPS37D	YIF1A
CAMK2N2	CERCAM	RPS6KA4	SLC48A1
PLEKHJ1	CDC34	COX7B	RNH1
MMP11	RAB1B	NR2F6	TIMM13
LYPLA2	SLC35B2	TCEA2	WNK2
CEBPA	CIB2	NDUFA3	GLYCTK
PWWP2B	CDIP1	SHISA5	VKORC1
PALM	FAM89B	RPL36A-HNRNPH2	
BAK1	CEBPA	CHCHD10	
ELOF1	NUCKS1	NINJ1	
SLC2A4RG	SIVA1	CARD10	
BBX	TMEM129		
CARD10	TMEM134		
SLC16A3	PAK4		
WNK2	RPUSD1		
LAMTOR4	UCP2		
RTN4R	PAK4		
CDIP1			
TRMT112			
TMEM208			
COX7B			

Target Gene 16	Target Gene 17	Target Gene 18	Target Gene 19
RPL37	ALDH16A1	AMN	SLC27A4
NME4	PGF	TMED1	CD151
CAMSAP3	UBTD1	TIMM17B	EMID1
BBX	SLC12A5	GIPC1	SLC9A3R2
MAP1A	PWWP2B	RABAC1	UCP2
RNF208	SYNGR2	HOMER1	SLC25A1
ENHO	FAM83F	TMEM132A	UBTD1
TIMM17B	EGLN2	B3GAT3	UNC5A
BBX	FBRSL1	CISD3	COX7B
MAP1A	HCN2	SHISA5	SORBS3
MAP1A	LMTK3	MAZ	CERS4
RNF208	SPTBN2	SLC25A10	WNK2
NRGN	ATG2A	C11orf68	SYNGR2
TMEM198	PSKH1	SLC35B2	CTDSP1
LYPLA2	WNK2	RPL36A-HNRNPH2	GPRC5C
COX7B	PDLIM4	RPL36A-HNRNPH2	
HOMER1	IQSEC3	TLE3	
SPTBN2	STARD10	PAK4	
TMUB1	PDLIM4	PDLIM2	
STOML1	FKBP8		
RASSF7	GPRC5C		
METRNL			

Target Gene 20	Target Gene 21	Target Gene 22	Target Gene 23
VKORC1	IRF2BP1	TSEN34	ECEL1
RPS6KA4	GPC1	SPOCK2	ARRDC1
TMEM198	MAPK8IP2	FAM89B	GPR153
ENHO	PTGES2	PPP1R14B	VKORC1
AMIGO3	SSTR3	SLC9A3R2	IRF2BP1
SLC12A5	SLC18A3	WNK2	RPL36A-HNRNPH2
ARF5	GLYCTK	NUCKS1	CERS1
LRRC10B	LRFN4	ADAM15	MPST
RPS6KA4	RNH1	PAK4	
NME4			
FXVD2			
RPL36A-HNRNPH2			

Target Gene 24	Target Gene 25	Target Gene 26	Target Gene 27
DCXR	RAC3	RNASEH2C	GRB7
MACROD2	FBRSL1	CACFD1	SLC48A1
NFIC	FAM83F	ZFHX2	GLIS2
DNLZ	SH3TC1	CAMK2N1	RPL28
ZYX	CERS1	TRMT112	
GPRC5C			

Target Gene 28	Target Gene 29	Target Gene 30	Target Gene 31
NDUFS7	COX8A	DPM2	PAQR4
ABCA2	TMEM129	SDF2L1	PALM
RNASEH2C	MMP11	PET100	
HOMER1			

Target Gene 32	Target Gene 33	Target Gene 34	Target Gene 35
CD151	ZNF580	SSTR3	CRIP2
KLF16	CTXN1	THEM6	AGR1

Target Gene 36	Target Gene 37	Target Gene 38	Target Gene 39
NAT8L	C2CD4C	EMID1	YIF1B
SLC25A1	GAMT	NTNG2	

Target Gene 40 PTGES2	Target Gene 41 PLEC	Target Gene 42 NFIC	Target Gene 43 FBXO2
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Target Gene 44 SSR4	Target Gene 45 UBTD1	Target Gene 46 DNLZ	Target Gene 47 TMEM53
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Target Gene 48 CERCAM	Target Gene 49 DLGAP3	Target Gene 50 SLC18A3	Target Gene 51 CAMK2N1
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Target Gene 52 ALDH4A1	Target Gene 53 NINJ1	Target Gene 54 GPR153	Target Gene 55 CENPB
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Target Gene 56 LMF2	Target Gene 57 IGF2	Target Gene 58 MAP1A	Target Gene 59 CRYBA2
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Target Gene 60 NUDT14	Target Gene 61 CLDN3	Target Gene 62 RASSF7	Target Gene 63 MAPK8IP2
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Target Gene 64 TPRN	Target Gene 65 NRGN	Target Gene 66 PRODH	Target Gene 67 SLC9A3R2
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Target Gene 68 C11orf68	Target Gene 69 VPS37D	Target Gene 70 NDUFA3	Target Gene 71 MFAP4
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Target Gene 72 GSDMD	Target Gene 73 STARD10	Target Gene 74 SLC16A3	Target Gene 75 TRAPPC6A
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Target Gene 76
CLEC11A

Supplemental Table 2. DAVID clustering analysis of transcripts significantly dysregulated by miR-125

Annotation Cluster 1		Enrichment Score: 4.623064027455082			
Category	Term	Count	%	PValue	
UP_KEYWORDS	Mitochondrion	82	11.03634	7.54E-10	
GOTERM_CC_DIRECT	GO:0005743~mitochondrial in	39	5.248991	2.28E-06	
UP_KEYWORDS	Transit peptide	37	4.979812	2.01E-04	
GOTERM_CC_DIRECT	GO:0005739~mitochondrion	74	9.959623	8.91E-04	
GOTERM_CC_DIRECT	GO:0005759~mitochondrial m	21	2.82638	0.024846	
Annotation Cluster 2		Enrichment Score: 4.60400525057361			
Category	Term	Count	%	PValue	
UP_KEYWORDS	Membrane	332	44.68371	2.90E-07	
UP_KEYWORDS	Transmembrane helix	251	33.78197	1.94E-05	
UP_KEYWORDS	Transmembrane	251	33.78197	2.51E-05	
GOTERM_CC_DIRECT	GO:0016021~integral compon	230	30.95559	0.002726	
Annotation Cluster 3		Enrichment Score: 2.8555695494889406			
Category	Term	Count	%	PValue	
GOTERM_CC_DIRECT	GO:0005743~mitochondrial in	39	5.248991	2.28E-06	
KEGG_PATHWAY	hsa00190:Oxidative phosphory	18	2.422611	1.14E-05	
UP_KEYWORDS	Mitochondrion inner membrar	26	3.499327	1.27E-05	
KEGG_PATHWAY	hsa04932:Non-alcoholic fatty l	19	2.557201	1.67E-05	
UP_KEYWORDS	Respiratory chain	11	1.480485	6.92E-05	
KEGG_PATHWAY	hsa05010:Alzheimer's disease	19	2.557201	7.08E-05	
KEGG_PATHWAY	hsa05016:Huntington's disease	19	2.557201	3.86E-04	
GOTERM_BP_DIRECT	GO:0006120~mitochondrial el	9	1.211306	4.12E-04	
GOTERM_CC_DIRECT	GO:0005747~mitochondrial re	9	1.211306	4.67E-04	
GOTERM_BP_DIRECT	GO:0032981~mitochondrial re	10	1.345895	5.08E-04	
KEGG_PATHWAY	hsa05012:Parkinson's disease	15	2.018843	0.001045	
UP_KEYWORDS	Electron transport	12	1.615074	0.001576	
GOTERM_MF_DIRECT	GO:0008137~NADH dehydroge	7	0.942127	0.008541	
GOTERM_MF_DIRECT	GO:0004129~cytochrome-c ox	5	0.672948	0.024382	
UP_KEYWORDS	Leigh syndrome	4	0.538358	0.032317	
UP_KEYWORDS	Ubiquinone	5	0.672948	0.03442	
GOTERM_BP_DIRECT	GO:0006123~mitochondrial el	4	0.538358	0.036511	
KEGG_PATHWAY	hsa04260:Cardiac muscle cont	7	0.942127	0.067234	
GOTERM_BP_DIRECT	GO:1902600~hydrogen ion tra	6	0.807537	0.0762	
GOTERM_CC_DIRECT	GO:0005751~mitochondrial re	3	0.403769	0.084956	
GOTERM_CC_DIRECT	GO:0070469~respiratory chain	3	0.403769	0.174528	
Annotation Cluster 4		Enrichment Score: 2.853999849814334			
Category	Term	Count	%	PValue	
UP_KEYWORDS	Ribosomal protein	21	2.82638	9.88E-06	
GOTERM_MF_DIRECT	GO:0003735~structural consti	23	3.095559	3.07E-05	
GOTERM_BP_DIRECT	GO:0006364~rRNA processing	22	2.960969	5.17E-05	
GOTERM_CC_DIRECT	GO:0005840~ribosome	18	2.422611	1.96E-04	
GOTERM_BP_DIRECT	GO:0006412~translation	23	3.095559	2.04E-04	
KEGG_PATHWAY	hsa03010:Ribosome	16	2.153432	2.07E-04	
UP_KEYWORDS	Ribonucleoprotein	24	3.230148	3.84E-04	
GOTERM_BP_DIRECT	GO:0006614~SRP-dependent c	12	1.615074	7.28E-04	
GOTERM_BP_DIRECT	GO:0000184~nuclear-transcri	13	1.749664	0.001601	
GOTERM_BP_DIRECT	GO:0019083~viral transcrip	12	1.615074	0.003039	

GOTERM_CC_DIRECT	GO:0015935~small ribosomal	6	0.807537	0.003116
GOTERM_BP_DIRECT	GO:0006413~translational initi	13	1.749664	0.00514
GOTERM_CC_DIRECT	GO:0022625~cytosolic large ril	8	1.076716	0.014314
GOTERM_CC_DIRECT	GO:0022627~cytosolic small ril	5	0.672948	0.107925
UP_KEYWORDS	rRNA-binding	3	0.403769	0.208673
GOTERM_BP_DIRECT	GO:0002181~cytoplasmic tran	3	0.403769	0.23813

Annotation Cluster 5	Enrichment Score: 2.13233932950806			
Category	Term	Count	%	PValue
KEGG_PATHWAY	hsa04122:Sulfur relay system	5	0.672948	3.71E-04
GOTERM_BP_DIRECT	GO:0032447~protein urmylati	3	0.403769	0.007894
GOTERM_BP_DIRECT	GO:0034227~tRNA thio-modifi	3	0.403769	0.007894
UP_KEYWORDS	tRNA processing	9	1.211306	0.009835
GOTERM_BP_DIRECT	GO:0006400~tRNA modificati	5	0.672948	0.016889
GOTERM_BP_DIRECT	GO:0002098~tRNA wobble uri	3	0.403769	0.041857

Annotation Cluster 6	Enrichment Score: 2.0936080591399437			
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0005789~endoplasmic reti	53	7.133244	6.49E-04
UP_KEYWORDS	Endoplasmic reticulum	54	7.267833	0.008557
GOTERM_CC_DIRECT	GO:0005783~endoplasmic reti	40	5.38358	0.094258

Annotation Cluster 7	Enrichment Score: 1.6848307395879534			
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0001836~release of cytoch	5	0.672948	0.009578
GOTERM_BP_DIRECT	GO:0008053~mitochondrial fu	4	0.538358	0.027601
GOTERM_BP_DIRECT	GO:0032471~negative regulati	3	0.403769	0.033365

Annotation Cluster 8	Enrichment Score: 1.4141772872596945			
Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0030176~integral compon	11	1.480485	0.006105
KEGG_PATHWAY	hsa04973:Carbohydrate digest	5	0.672948	0.076043
GOTERM_BP_DIRECT	GO:0015758~glucose transpor	4	0.538358	0.123226

Annotation Cluster 9	Enrichment Score: 1.394545252334657			
Category	Term	Count	%	PValue
UP_KEYWORDS	Notch signaling pathway	7	0.942127	0.009044
GOTERM_BP_DIRECT	GO:0007219~Notch signaling p	9	1.211306	0.065211
KEGG_PATHWAY	hsa04330:Notch signaling path	5	0.672948	0.111091

Annotation Cluster 10	Enrichment Score: 1.3659274820289973			
Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:1901030~positive regulati	4	0.538358	0.005062
GOTERM_BP_DIRECT	GO:0001836~release of cytoch	5	0.672948	0.009578
GOTERM_BP_DIRECT	GO:0008630~intrinsic apoptot	6	0.807537	0.02978
GOTERM_BP_DIRECT	GO:0008635~activation of cyst	3	0.403769	0.041857
GOTERM_BP_DIRECT	GO:2001244~positive regulati	4	0.538358	0.123226
GOTERM_BP_DIRECT	GO:0097192~extrinsic apoptot	4	0.538358	0.131625
GOTERM_BP_DIRECT	GO:0090200~positive regulati	3	0.403769	0.280003

Annotation Cluster 11	Enrichment Score: 1.2223591860459455			
Category	Term	Count	%	PValue

UP_KEYWORDS	Lipid biosynthesis	13	1.749664	0.009789
UP_KEYWORDS	Phospholipid biosynthesis	5	0.672948	0.074558
UP_KEYWORDS	Phospholipid metabolism	5	0.672948	0.095177
GOTERM_BP_DIRECT	GO:0008654~phospholipid bio	4	0.538358	0.185696

Annotation Cluster 12	Enrichment Score: 1.2116442051286491			
Category	Term	Count	%	PValue
UP_KEYWORDS	Vitamin C	4	0.538358	0.032317
GOTERM_MF_DIRECT	GO:0031418~L-ascorbic acid b	4	0.538358	0.041732
UP_KEYWORDS	Dioxygenase	6	0.807537	0.171859

Annotation Cluster 13	Enrichment Score: 1.1280404948483282			
Category	Term	Count	%	PValue
GOTERM_MF_DIRECT	GO:0098641~cadherin binding	18	2.422611	0.044863
GOTERM_CC_DIRECT	GO:0005913~cell-cell adheren:	19	2.557201	0.06727
GOTERM_BP_DIRECT	GO:0098609~cell-cell adhesior	15	2.018843	0.136827

Annotation Cluster 14	Enrichment Score: 1.110068952946487			
Category	Term	Count	%	PValue
UP_KEYWORDS	Heparan sulfate	4	0.538358	0.017624
UP_KEYWORDS	Extracellular matrix	16	2.153432	0.042444
GOTERM_BP_DIRECT	GO:0006027~glycosaminoglyc:	4	0.538358	0.070782
GOTERM_CC_DIRECT	GO:0005796~Golgi lumen	8	1.076716	0.072227
GOTERM_BP_DIRECT	GO:0001523~retinoid metabol	6	0.807537	0.0762
GOTERM_BP_DIRECT	GO:0030203~glycosaminoglyc:	4	0.538358	0.091789
UP_KEYWORDS	Proteoglycan	5	0.672948	0.095177
GOTERM_BP_DIRECT	GO:0030198~extracellular mat	11	1.480485	0.195939
GOTERM_BP_DIRECT	GO:0006024~glycosaminoglyc:	4	0.538358	0.204855

Annotation Cluster 15	Enrichment Score: 1.1003341614596924			
Category	Term	Count	%	PValue
UP_KEYWORDS	Lipid biosynthesis	13	1.749664	0.009789
UP_KEYWORDS	Steroid biosynthesis	4	0.538358	0.126361
UP_KEYWORDS	Cholesterol biosynthesis	3	0.403769	0.144638
UP_KEYWORDS	Sterol biosynthesis	3	0.403769	0.221837

Annotation Cluster 16	Enrichment Score: 1.058609297018133			
Category	Term	Count	%	PValue
GOTERM_MF_DIRECT	GO:0000175~3'-5'-exoribonucl	4	0.538358	0.03676
UP_KEYWORDS	Exosome	3	0.403769	0.075677
GOTERM_BP_DIRECT	GO:0090503~RNA phosphodie	4	0.538358	0.084524
GOTERM_CC_DIRECT	GO:0000176~nuclear exosome	3	0.403769	0.108882
UP_KEYWORDS	Nuclease	8	1.076716	0.198919

Annotation Cluster 17	Enrichment Score: 0.9884466569169196			
Category	Term	Count	%	PValue
UP_KEYWORDS	Lipid biosynthesis	13	1.749664	0.009789
KEGG_PATHWAY	hsa04071:Sphingolipid signalin	8	1.076716	0.177326
GOTERM_BP_DIRECT	GO:0046513~ceramide biosynt	3	0.403769	0.23813
KEGG_PATHWAY	hsa00600:Sphingolipid metabo	4	0.538358	0.269086

Annotation Cluster 18	Enrichment Score: 0.9438593406814926			
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Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0015992~proton transport	6	0.807537	0.03487
GOTERM_BP_DIRECT	GO:0008286~insulin receptor s	7	0.942127	0.070258
GOTERM_MF_DIRECT	GO:0015078~hydrogen ion tra	4	0.538358	0.115719
GOTERM_MF_DIRECT	GO:0046961~proton-transport	3	0.403769	0.25305
GOTERM_BP_DIRECT	GO:0090383~phagosome acidi	3	0.403769	0.266041

Annotation Cluster 19 Enrichment Score: 0.927783345433473

Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0014069~postsynaptic den	13	1.749664	0.047988
UP_KEYWORDS	Cell junction	31	4.172275	0.122458
GOTERM_CC_DIRECT	GO:0045211~postsynaptic mei	11	1.480485	0.280237

Annotation Cluster 20 Enrichment Score: 0.8244665270835457

Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0030574~collagen cataboli	6	0.807537	0.089419
GOTERM_BP_DIRECT	GO:0022617~extracellular mat	6	0.807537	0.152842
UP_KEYWORDS	Cleavage on pair of basic resi	14	1.884253	0.245996

Annotation Cluster 21 Enrichment Score: 0.8100997145247476

Category	Term	Count	%	PValue
UP_KEYWORDS	Symport	8	1.076716	0.107152
UP_KEYWORDS	Sodium transport	8	1.076716	0.122512
UP_KEYWORDS	Sodium	8	1.076716	0.151911
GOTERM_BP_DIRECT	GO:0035725~sodium ion trans	5	0.672948	0.288291

Annotation Cluster 22 Enrichment Score: 0.7880788125730678

Category	Term	Count	%	PValue
GOTERM_BP_DIRECT	GO:0070125~mitochondrial tra	7	0.942127	0.096877
GOTERM_BP_DIRECT	GO:0070126~mitochondrial tra	7	0.942127	0.101064
GOTERM_BP_DIRECT	GO:0032543~mitochondrial tra	4	0.538358	0.148993
GOTERM_CC_DIRECT	GO:0005762~mitochondrial lai	4	0.538358	0.273687
GOTERM_CC_DIRECT	GO:0005761~mitochondrial rik	3	0.403769	0.287322

Annotation Cluster 23 Enrichment Score: 0.7787862725258983

Category	Term	Count	%	PValue
KEGG_PATHWAY	hsa04012:ErbB signaling pathv	7	0.942127	0.116499
KEGG_PATHWAY	hsa05220:Chronic myeloid leul	6	0.807537	0.141848
KEGG_PATHWAY	hsa04910:Insulin signaling patl	8	1.076716	0.278929

Annotation Cluster 24 Enrichment Score: 0.7466282567754274

Category	Term	Count	%	PValue
GOTERM_CC_DIRECT	GO:0005779~integral compon	3	0.403769	0.108882
GOTERM_CC_DIRECT	GO:0005777~peroxisome	7	0.942127	0.202401
UP_KEYWORDS	Peroxisome	6	0.807537	0.261183

Annotation Cluster 25 Enrichment Score: 0.7448074105479896

Category	Term	Count	%	PValue
UP_KEYWORDS	Endocytosis	8	1.076716	0.138932
GOTERM_CC_DIRECT	GO:0005905~clathrin-coated p	5	0.672948	0.154964
UP_KEYWORDS	Coated pit	4	0.538358	0.270735

Annotation Cluster 26	Enrichment Score: 0.743119509666821			
Category	Term	Count	%	PValue
GOTERM_MF_DIRECT	GO:0004842~ubiquitin-protein	19	2.557201	0.068017
KEGG_PATHWAY	hsa04120:Ubiquitin mediated	9	1.211306	0.155621
GOTERM_MF_DIRECT	GO:0016874~ligase activity	14	1.884253	0.210226
UP_KEYWORDS	Ubl conjugation pathway	29	3.903096	0.233047
UP_KEYWORDS	Ligase	16	2.153432	0.252267
GOTERM_BP_DIRECT	GO:0016567~protein ubiquitin	17	2.288022	0.265832
Annotation Cluster 27	Enrichment Score: 0.7257762608111136			
Category	Term	Count	%	PValue
UP_KEYWORDS	Epilepsy	8	1.076716	0.165431
UP_KEYWORDS	Potassium	8	1.076716	0.174731
UP_KEYWORDS	Potassium transport	7	0.942127	0.229976
Annotation Cluster 28	Enrichment Score: 0.7251158091998554			
Category	Term	Count	%	PValue
UP_KEYWORDS	4Fe-4S	4	0.538358	0.142658
UP_KEYWORDS	Iron-sulfur	5	0.672948	0.163399
GOTERM_MF_DIRECT	GO:0051539~4 iron, 4 sulfur cl	4	0.538358	0.205944
UP_KEYWORDS	Iron	15	2.018843	0.261965
Annotation Cluster 29	Enrichment Score: 0.6291378074627038			
Category	Term	Count	%	PValue
UP_KEYWORDS	Dioxygenase	6	0.807537	0.171859
UP_KEYWORDS	Iron	15	2.018843	0.261965
GOTERM_BP_DIRECT	GO:0055114~oxidation-reduct	26	3.499327	0.287853
Annotation Cluster 30	Enrichment Score: 0.6139258791139763			
Category	Term	Count	%	PValue
UP_KEYWORDS	Amidation	4	0.538358	0.213582
UP_KEYWORDS	Cleavage on pair of basic resid	14	1.884253	0.245996
GOTERM_MF_DIRECT	GO:0005179~hormone activity	6	0.807537	0.273987

5b KO in ENDOCBH1-MIR125B-KO cells (T-RNA padj <0.1). Enriched UniProtein Keywords, Gene Ontology Term

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
SLC25A1, C	731	1119	20581	2.06316	2.99E-07	1.50E-07	1.46E-07
SLC25A1, C	692	441	18224	2.328969	9.64E-04	9.65E-04	9.51E-04
SLC25A1, C	731	536	20581	1.943507	0.076639	0.008881	0.008635
COX7B, ND	692	1331	18224	1.464169	0.314251	0.075415	0.074345
GPX1, CHP	692	327	18224	1.691255	0.999976	0.768871	0.757965

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
IFI27L1, IFI	731	7494	20581	1.247307	1.15E-04	3.83E-05	3.73E-05
IFI27L1, IFI	731	5634	20581	1.254313	0.007637	0.001281	0.001245
IFI27L1, IFI	731	5651	20581	1.25054	0.009891	0.001424	0.001384
IFI27L1, IFI	692	5163	18224	1.173176	0.68482	0.155604	0.153397

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
SLC25A1, C	692	441	18224	2.328969	9.64E-04	9.65E-04	9.51E-04
COX8A, CO	265	133	6879	3.513179	0.002503	0.001227	0.001227
SLC25A1, C	731	270	20581	2.711182	0.005006	0.001006	9.78E-04
COX8A, CE	265	151	6879	3.2663	0.003675	0.001227	0.001227
NDUFS8, N	731	63	20581	4.91588	0.027017	0.003432	0.003337
COX8A, PSI	265	168	6879	2.935782	0.015465	0.003896	0.003896
COX8A, CO	265	192	6879	2.568809	0.08145	0.012135	0.012135
NDUFS8, N	626	49	16792	4.926909	0.631206	0.307497	0.30737
NDUFS8, N	692	49	18224	4.837089	0.179313	0.065856	0.064922
NDUFS8, N	626	63	16792	4.257822	0.707944	0.307497	0.30737
COX8A, CO	265	142	6879	2.742094	0.205529	0.028745	0.028745
NDUFS8, N	731	108	20581	3.128287	0.464595	0.052151	0.050706
NDUFS8, N	631	48	16881	3.901446	0.99904	1	1
COX8A, CO	631	30	16881	4.458796	1	1	1
NDUFS8, N	731	20	20581	5.630917	0.999998	0.436791	0.424689
NDUFS8, N	731	35	20581	4.022083	0.999999	0.440799	0.428586
COX8A, CO	626	20	16792	5.364856	1	1	1
COX8A, CO	265	75	6879	2.422792	1	1	1
SLC36A1, C	626	61	16792	2.638454	1	1	1
COX8A, ND	692	13	18224	6.077368	1	1	0.988152
NDUFC2, U	692	20	18224	3.950289	1	1	0.988152

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
RPS9, RPL3	731	185	20581	3.195926	0.003905	9.81E-04	9.53E-04
SLC25A1, F	631	222	16881	2.771684	0.024588	0.024895	0.024895
RPS9, CDKI	626	214	16792	2.757636	0.117588	0.125042	0.12499
RPS9, RPL3	692	166	18224	2.855631	0.079451	0.041388	0.040801
SLC25A1, F	626	253	16792	2.438571	0.389719	0.24679	0.246688
RPS9, RPL3	265	136	6879	3.05394	0.044468	0.009096	0.009096
RPS9, RPL3	731	296	20581	2.282804	0.141166	0.014661	0.014255
RPS28, RPS	626	94	16792	3.424376	0.828654	0.35254	0.352394
RPS9, RPLF	626	119	16792	2.930384	0.979342	0.645822	0.645555
RPS28, RPS	626	112	16792	2.87403	0.99937	0.919358	0.918978

RPS28, RPS	692	27	18224	5.85228	0.732851	0.155604	0.153397
RPS9, RPLP	626	137	16792	2.54537	0.999996	1	1
RPL36A-HM	692	68	18224	3.098266	0.997754	0.550457	0.542649
RPS28, RPS	692	48	18224	2.743256	1	1	0.988152
RPS9, RPL3	731	24	20581	3.519323	1	1	0.974747
RPLP1, RPL	626	25	16792	3.218914	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
MPST, CTU	265	10	6879	12.97925	0.07836	0.012135	0.012135
CTU2, CTU	626	4	16792	20.11821	1	1	1
CTU2, CTU	626	4	16792	20.11821	1	1	1
TSEN34, Q	731	84	20581	3.016562	0.980038	0.185927	0.180776
QTRT1, CTI	626	27	16792	4.967459	1	1	1
CTU2, CTU	626	9	16792	8.941427	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
GPSP1, GF	692	862	18224	1.619221	0.240271	0.068676	0.067702
GPSP1, PC	731	1067	20581	1.42488	0.966735	0.185927	0.180776
RTN2, RTN	692	828	18224	1.272235	1	1	0.988152

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
FIS1, BAD,	626	23	16792	5.831365	1	1	1
FIS1, BAX,	626	18	16792	5.960951	1	1	1
FIS1, BAX,	626	8	16792	10.05911	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
RTN2, DPM	692	104	18224	2.78546	0.925014	0.258254	0.254591
G6PC2, G6	265	42	6879	3.090296	1	1	1
G6PC2, G6	626	33	16792	3.251428	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
APH1A, PS	731	51	20581	3.864354	0.972614	0.185927	0.180776
APH1A, PS	626	115	16792	2.099292	1	1	1
LFNG, APH	265	48	6879	2.704009	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
SIVA1, BAX	626	10	16792	10.72971	0.999995	1	1
FIS1, BAD,	626	23	16792	5.831365	1	1	1
PCBP4, BAI	626	47	16792	3.424376	1	1	1
BAX, BAK1,	626	9	16792	8.941427	1	1	1
FIS1, BAD,	626	33	16792	3.251428	1	1	1
BAD, BAX,	626	34	16792	3.155798	1	1	1
BAD, BAX,	626	28	16792	2.87403	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
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CERS4, ISYI	731	156	20581	2.346215	0.979667	0.185927	0.180776
ISYNA1, PC	731	45	20581	3.128287	1	0.732773	0.71247
ISYNA1, PC	731	49	20581	2.872917	1	0.83967	0.816405
ISYNA1, PC	626	40	16792	2.682428	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
EGLN2, OG	731	20	20581	5.630917	0.999998	0.436791	0.424689
EGLN2, OG	631	21	16881	5.095766	1	1	1
KDM5D, EC	731	83	20581	2.035271	1	1	0.974747

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
LYPLA2, CT	631	290	16881	1.660517	1	1	1
LYPLA2, CT	692	323	18224	1.549133	1	1	0.988152
LYPLA2, CB	626	271	16792	1.484739	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
GPC1, SPO	731	16	20581	7.038646	0.999125	0.318026	0.309214
LAMA5, CC	731	258	20581	1.746021	1	0.504566	0.490586
GPC1, HYA	626	26	16792	4.126812	1	1	1
MMP11, W	692	96	18224	2.194605	1	1	0.988152
LRP1, GPC1	626	61	16792	2.638454	1	1	1
B3GAT3, G	626	29	16792	3.699901	1	1	1
GPC1, SPO	731	49	20581	2.872917	1	0.83967	0.816405
LAMA5, CC	626	196	16792	1.505444	1	1	1
B3GAT3, G	626	42	16792	2.554693	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
CERS4, ISYI	731	156	20581	2.346215	0.979667	0.185927	0.180776
PMVK, MV	731	35	20581	3.217667	1	0.964714	0.937984
PMVK, MV	731	19	20581	4.44546	1	1	0.974747
PMVK, MV	731	25	20581	3.37855	1	1	0.974747

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
PAN2, EXO	631	20	16881	5.350555	1	1	1
EXOSC4, E	731	13	20581	6.497211	1	0.732773	0.71247
PAN2, EXO	626	28	16792	3.83204	1	1	1
EXOSC4, E	692	15	18224	5.267052	1	1	0.988152
TSEN34, P	731	134	20581	1.680871	1	1	0.974747

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
CERS4, ISYI	731	156	20581	2.346215	0.979667	0.185927	0.180776
CERS4, PDI	265	120	6879	1.730566	1	1	1
CERS4, DE	626	25	16792	3.218914	1	1	1
CERS4, GAI	265	47	6879	2.209233	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
ATP6V0B, I	626	49	16792	3.284606	1	1	1
ATP6V0B, I	626	78	16792	2.407307	1	1	1
SLC36A1, A	631	32	16881	3.344097	1	1	1
ATP6V0B, -	631	26	16881	3.086858	1	1	1
ATP6V0B, -	626	27	16792	2.980476	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
DMTN, HO	692	184	18224	1.860643	1	1	0.988152
GRB7, PRR	731	675	20581	1.293025	1	0.953674	0.92725
PRR7, HON	692	211	18224	1.372928	1	1	0.988152

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
MMP11, C	626	64	16792	2.514776	1	1	1
MMP11, A	626	76	16792	2.117706	1	1	1
SCT, IGF2,	731	294	20581	1.340694	1	1	0.974747

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
SLC36A1, S	731	113	20581	1.993245	1	0.886236	0.861681
SLC34A3, T	731	117	20581	1.9251	1	0.953674	0.92725
SLC34A3, T	731	124	20581	1.816425	1	1	0.974747
SLC34A3, T	626	73	16792	1.83728	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
MRPL41, N	626	85	16792	2.209058	1	1	1
MRPL41, N	626	86	16792	2.183372	1	1	1
MRPS24, N	626	36	16792	2.980476	1	1	1
MRPL41, N	692	48	18224	2.194605	1	1	0.988152
MRPS24, N	692	28	18224	2.821635	1	1	0.988152

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
STAT5B, S†	265	87	6879	2.088614	1	1	1
STAT5B, S†	265	72	6879	2.163208	1	1	1
G6PC2, SH†	265	138	6879	1.50484	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
PEX16, FIS:	692	15	18224	5.267052	1	1	0.988152
PEX16, FIS:	692	104	18224	1.772566	1	1	0.988152
PEX16, FIS:	731	97	20581	1.741521	1	1	0.974747

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
HIP1, LRP1	731	121	20581	1.86146	1	1	0.974747
AMN, LRP1	692	55	18224	2.394115	1	1	0.988152
AMN, LRP1	731	51	20581	2.208203	1	1	0.974747

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
AREL1, HEI	631	329	16881	1.544993	1	1	1
CDC34, HE	265	137	6879	1.705302	1	1	1
AREL1, IRF	631	270	16881	1.387181	1	1	1
URM1, PHI	731	680	20581	1.20071	1	1	0.974747
IRF2BP1, N	731	347	20581	1.298194	1	1	0.974747
FBXW5, HE	626	359	16792	1.270231	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
ARHGEF9,	731	127	20581	1.773517	1	1	0.974747
SLC12A5, N	731	129	20581	1.746021	1	1	0.974747
SLC12A5, F	731	116	20581	1.698983	1	1	0.974747

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
NDUFS8, N	731	37	20581	3.043739	1	1	0.974747
NDUFS8, N	731	60	20581	2.346215	1	1	0.974747
NDUFS8, N	631	42	16881	2.547883	1	1	1
EGLN2, KD	731	324	20581	1.303453	1	1	0.974747

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
KDM5D, EC	731	83	20581	2.035271	1	1	0.974747
EGLN2, KD	731	324	20581	1.303453	1	1	0.974747
KDM5D, H	626	592	16792	1.178093	1	1	1

Genes	List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
POMC, VGI	731	45	20581	2.50263	1	1	0.974747
SCT, IGF2,	731	294	20581	1.340694	1	1	0.974747
POMC, VGI	631	94	16881	1.707624	1	1	1

is and KEGGs Pathways were semantically clustered.

Supplemental Table 5. Genes up-regulated (padj <0.1, baseMean >100 RPKM) in MIR125B-Tg versus control is

Gene.stable.ID.version	baseMean	log2FoldCh	lfcSE	stat	pvalue	padj	Gene.stable
ENSMUSG00000022892.11	8851.09	0.493706	0.132698	3.720524	0.000199	0.009436	ENSMUSG0
ENSMUSG00000043384.15	7789.219	0.79337	0.183288	4.328556	1.50E-05	0.001381	ENSMUSG0
ENSMUSG00000018340.13	4495.005	0.346737	0.115111	3.012194	0.002594	0.058448	ENSMUSG0
ENSMUSG00000026628.13	4286.135	0.625054	0.222397	2.810535	0.004946	0.090609	ENSMUSG0
ENSMUSG00000031996.17	3773.885	0.454165	0.15798	2.874827	0.004042	0.078866	ENSMUSG0
ENSMUSG00000025203.6	3383.428	0.519836	0.11511	4.515999	6.30E-06	0.000722	ENSMUSG0
ENSMUSG00000037706.17	3321.522	0.604405	0.143051	4.225099	2.39E-05	0.001901	ENSMUSG0
ENSMUSG00000034993.7	3099.736	0.427804	0.14351	2.981	0.002873	0.062029	ENSMUSG0
ENSMUSG00000002980.14	2705.959	0.890701	0.299588	2.973085	0.002948	0.063224	ENSMUSG0
ENSMUSG00000022636.13	2552.041	0.751045	0.201889	3.720094	0.000199	0.009436	ENSMUSG0
ENSMUSG00000051359.15	2549.875	0.661997	0.174663	3.790144	0.000151	0.007677	ENSMUSG0
ENSMUSG00000052459.13	2493.122	0.423969	0.144013	2.943956	0.00324	0.067998	ENSMUSG0
ENSMUSG00000046844.6	2489.745	0.765707	0.190482	4.019832	5.82E-05	0.003917	ENSMUSG0
ENSMUSG00000072966.11	2450.015	0.627332	0.129997	4.825752	1.39E-06	0.000237	ENSMUSG0
ENSMUSG00000023224.12	2442.347	0.617403	0.203355	3.03609	0.002397	0.055081	ENSMUSG0
ENSMUSG00000026421.14	2408.543	0.689017	0.23441	2.939363	0.003289	0.068766	ENSMUSG0
ENSMUSG00000017466.9	2344.791	0.646406	0.22125	2.921616	0.003482	0.070882	ENSMUSG0
ENSMUSG00000015405.15	2287.521	0.737014	0.255218	2.887788	0.00388	0.076835	ENSMUSG0
ENSMUSG00000018411.17	2262.754	0.724127	0.16388	4.41864	9.93E-06	0.001022	ENSMUSG0
ENSMUSG00000045573.9	2247.599	5.802712	0.814107	7.127705	1.02E-12	7.27E-10	ENSMUSG0
ENSMUSG00000022565.15	2205.098	0.776415	0.242238	3.205168	0.00135	0.036726	ENSMUSG0
ENSMUSG00000026764.15	2180.982	0.941767	0.235246	4.003334	6.25E-05	0.004073	ENSMUSG0
ENSMUSG00000031451.6	2066.985	1.035844	0.356767	2.903423	0.003691	0.07373	ENSMUSG0
ENSMUSG00000032479.15	2015.622	0.654796	0.153765	4.258429	2.06E-05	0.001722	ENSMUSG0
ENSMUSG00000028222.2	1835.782	1.523574	0.189282	8.049217	8.33E-16	1.23E-12	ENSMUSG0
ENSMUSG00000035964.8	1820.592	1.054818	0.257857	4.090705	4.30E-05	0.00311	ENSMUSG0
ENSMUSG00000022822.16	1802.743	0.537055	0.171156	3.13782	0.001702	0.043831	ENSMUSG0
ENSMUSG00000038503.15	1779.592	0.585357	0.182777	3.202567	0.001362	0.036903	ENSMUSG0
ENSMUSG00000070047.14	1775.98	0.842285	0.286116	2.943853	0.003242	0.067998	ENSMUSG0
ENSMUSG00000029121.16	1734.126	1.994993	0.165871	12.02735	2.55E-33	1.23E-29	ENSMUSG0
ENSMUSG00000062380.4	1643.61	1.134111	0.279821	4.05298	5.06E-05	0.003535	ENSMUSG0
ENSMUSG00000049313.8	1640.328	0.657603	0.188591	3.486919	0.000489	0.018393	ENSMUSG0
ENSMUSG00000001507.16	1638.02	0.638899	0.158016	4.043264	5.27E-05	0.003646	ENSMUSG0
ENSMUSG00000014329.14	1601.672	0.86197	0.247472	3.483103	0.000496	0.018549	ENSMUSG0
ENSMUSG00000027674.16	1584.956	0.478117	0.116151	4.116324	3.85E-05	0.002881	ENSMUSG0
ENSMUSG00000076441.9	1533.901	1.026555	0.327791	3.131738	0.001738	0.044392	ENSMUSG0
ENSMUSG00000041936.18	1509.604	1.019141	0.277137	3.677392	0.000236	0.010562	ENSMUSG0
ENSMUSG00000058488.7	1501.711	1.482139	0.290655	5.099302	3.41E-07	7.63E-05	ENSMUSG0
ENSMUSG00000004936.8	1495.126	0.349285	0.107037	3.263227	0.001102	0.031959	ENSMUSG0
ENSMUSG00000021136.13	1490.665	3.040212	0.220581	13.78272	3.24E-43	3.11E-39	ENSMUSG0
ENSMUSG00000020176.17	1482.039	0.597678	0.177673	3.363917	0.000768	0.025012	ENSMUSG0
ENSMUSG00000040659.3	1481.708	0.475216	0.155637	3.05337	0.002263	0.053298	ENSMUSG0
ENSMUSG00000029761.16	1465.026	0.737811	0.221553	3.330181	0.000868	0.026873	ENSMUSG0
ENSMUSG00000016349.10	1433.062	0.853051	0.284645	2.996896	0.002727	0.060544	ENSMUSG0
ENSMUSG00000001098.15	1325.586	0.435178	0.153235	2.839932	0.004512	0.0856	ENSMUSG0
ENSMUSG00000036564.17	1322.629	0.877349	0.274304	3.198459	0.001382	0.037223	ENSMUSG0
ENSMUSG00000038530.11	1307.899	0.654258	0.215668	3.033633	0.002416	0.055399	ENSMUSG0
ENSMUSG00000037820.15	1284.295	1.046935	0.319207	3.279804	0.001039	0.030461	ENSMUSG0
ENSMUSG00000049327.17	1200.292	0.406597	0.134174	3.030364	0.002443	0.055869	ENSMUSG0
ENSMUSG00000021087.18	1194.409	0.961166	0.344943	2.786453	0.005329	0.09571	ENSMUSG0

ENSMUSG00000028195.4	1179.211	0.845922	0.292351	2.893512	0.00381	0.075704	ENSMUSG0
ENSMUSG00000035776.14	1173.757	0.487719	0.155944	3.127535	0.001763	0.044839	ENSMUSG0
ENSMUSG00000031906.9	1136.959	0.702066	0.190128	3.692586	0.000222	0.010216	ENSMUSG0
ENSMUSG00000001911.16	1135.819	0.542652	0.186847	2.904255	0.003681	0.07361	ENSMUSG0
ENSMUSG00000031227.8	1098.458	0.582443	0.133344	4.367956	1.25E-05	0.001225	ENSMUSG0
ENSMUSG00000020900.15	1089.562	0.679805	0.183159	3.711566	0.000206	0.009617	ENSMUSG0
ENSMUSG00000004044.9	1082.919	0.777492	0.267862	2.902587	0.003701	0.073773	ENSMUSG0
ENSMUSG00000032418.15	1048.412	0.829681	0.238149	3.483879	0.000494	0.018531	ENSMUSG0
ENSMUSG00000019539.11	1013.214	0.702504	0.207777	3.381052	0.000722	0.024031	ENSMUSG0
ENSMUSG00000031066.10	1006.428	0.753958	0.134069	5.623664	1.87E-08	5.90E-06	ENSMUSG0
ENSMUSG00000033059.7	1006.17	1.135499	0.224623	5.055135	4.30E-07	9.30E-05	ENSMUSG0
ENSMUSG00000045672.15	1005.119	1.82205	0.222651	8.183429	2.76E-16	5.31E-13	ENSMUSG0
ENSMUSG00000036098.15	985.6339	0.989898	0.264762	3.738816	0.000185	0.008958	ENSMUSG0
ENSMUSG00000022261.6	972.9537	0.614589	0.168149	3.655036	0.000257	0.011171	ENSMUSG0
ENSMUSG00000030701.17	961.5458	0.661335	0.179242	3.689625	0.000225	0.01027	ENSMUSG0
ENSMUSG00000023067.14	930.0063	0.961822	0.194226	4.952069	7.34E-07	0.000143	ENSMUSG0
ENSMUSG00000016382.15	925.6726	1.030984	0.200787	5.134725	2.83E-07	6.47E-05	ENSMUSG0
ENSMUSG00000025017.10	921.1319	0.967731	0.253223	3.821649	0.000133	0.007038	ENSMUSG0
ENSMUSG00000024665.8	914.5203	0.692743	0.20807	3.329367	0.00087	0.026876	ENSMUSG0
ENSMUSG00000034282.3	910.0562	1.184392	0.255329	4.638684	3.51E-06	0.000475	ENSMUSG0
ENSMUSG00000015647.9	909.5204	1.189302	0.385075	3.088493	0.002012	0.04936	ENSMUSG0
ENSMUSG00000022842.18	901.8591	0.943866	0.200605	4.705104	2.54E-06	0.000373	ENSMUSG0
ENSMUSG00000031790.8	901.6105	1.001231	0.270095	3.706952	0.00021	0.00977	ENSMUSG0
ENSMUSG00000024486.6	873.6834	0.898677	0.26399	3.40421	0.000664	0.022685	ENSMUSG0
ENSMUSG00000048978.14	871.9408	1.086358	0.367531	2.955825	0.003118	0.066215	ENSMUSG0
ENSMUSG00000000325.16	867.4248	0.50046	0.13206	3.789657	0.000151	0.007677	ENSMUSG0
ENSMUSG00000032038.7	848.5088	1.100074	0.372459	2.953543	0.003141	0.066261	ENSMUSG0
ENSMUSG00000008575.17	847.8483	0.790457	0.250363	3.157245	0.001593	0.041683	ENSMUSG0
ENSMUSG00000018865.9	806.3161	0.997583	0.258629	3.857198	0.000115	0.006376	ENSMUSG0
ENSMUSG00000040111.17	802.8652	0.497883	0.179624	2.771798	0.005575	0.098653	ENSMUSG0
ENSMUSG00000034981.9	802.7943	0.821467	0.236554	3.472647	0.000515	0.019175	ENSMUSG0
ENSMUSG00000013236.17	793.0392	0.782937	0.270867	2.89049	0.003846	0.076278	ENSMUSG0
ENSMUSG000000052911.9	769.1735	0.999195	0.238309	4.192862	2.75E-05	0.002145	ENSMUSG0
ENSMUSG00000041598.7	766.7353	0.379932	0.128093	2.966053	0.003016	0.064472	ENSMUSG0
ENSMUSG00000023328.14	763.5559	0.975632	0.294692	3.310683	0.000931	0.028417	ENSMUSG0
ENSMUSG00000018849.6	761.1051	1.086336	0.248446	4.372525	1.23E-05	0.001205	ENSMUSG0
ENSMUSG00000028273.15	752.6919	0.70531	0.226242	3.117502	0.001824	0.045656	ENSMUSG0
ENSMUSG00000026185.8	746.8173	0.996645	0.254497	3.916138	9.00E-05	0.005344	ENSMUSG0
ENSMUSG00000038370.6	736.0835	1.467559	0.19375	7.574501	3.61E-14	3.15E-11	ENSMUSG0
ENSMUSG00000049521.2	732.3851	0.844277	0.257406	3.279949	0.001038	0.030461	ENSMUSG0
ENSMUSG00000039405.7	726.2192	0.870143	0.232855	3.73684	0.000186	0.009006	ENSMUSG0
ENSMUSG00000021340.13	703.542	0.99574	0.215911	4.611795	3.99E-06	0.000523	ENSMUSG0
ENSMUSG00000054252.18	703.4731	1.455307	0.447258	3.253844	0.001139	0.032688	ENSMUSG0
ENSMUSG00000041548.4	684.2777	1.187577	0.193877	6.125408	9.05E-10	4.24E-07	ENSMUSG0
ENSMUSG00000012350.15	673.4313	1.446421	0.317646	4.553568	5.27E-06	0.000642	ENSMUSG0
ENSMUSG00000039252.11	671.9693	1.099134	0.19782	5.556232	2.76E-08	8.36E-06	ENSMUSG0
ENSMUSG00000035863.14	670.3297	0.765259	0.192353	3.978409	6.94E-05	0.004404	ENSMUSG0
ENSMUSG00000027875.12	659.3048	1.042949	0.285096	3.65824	0.000254	0.011102	ENSMUSG0
ENSMUSG00000042734.6	630.435	0.612524	0.212944	2.876458	0.004022	0.078619	ENSMUSG0
ENSMUSG00000037012.18	610.2461	1.09383	0.299684	3.649939	0.000262	0.011329	ENSMUSG0
ENSMUSG00000036815.17	598.5929	1.276309	0.308432	4.138055	3.50E-05	0.002684	ENSMUSG0
ENSMUSG00000048537.16	595.1196	0.503662	0.177823	2.832378	0.00462	0.086709	ENSMUSG0

ENSMUSG00000051675.13	592.6809	0.35945	0.119352	3.011685	0.002598	0.058451	ENSMUSG0
ENSMUSG00000030849.18	587.2609	1.626029	0.503774	3.227694	0.001248	0.034942	ENSMUSG0
ENSMUSG00000039457.4	582.6933	0.802318	0.194653	4.121774	3.76E-05	0.002836	ENSMUSG0
ENSMUSG00000031714.9	582.6208	0.642265	0.192143	3.342649	0.00083	0.026207	ENSMUSG0
ENSMUSG00000034463.4	574.3287	1.465194	0.437851	3.346332	0.000819	0.02608	ENSMUSG0
ENSMUSG00000032220.10	567.6765	0.751354	0.22788	3.297147	0.000977	0.029129	ENSMUSG0
ENSMUSG00000047281.3	553.8593	1.245638	0.39928	3.119708	0.00181	0.04552	ENSMUSG0
ENSMUSG00000043760.16	552.4498	0.916972	0.284958	3.217919	0.001291	0.035718	ENSMUSG0
ENSMUSG00000022505.9	545.5718	0.772009	0.2339	3.300598	0.000965	0.028998	ENSMUSG0
ENSMUSG00000027993.16	535.2563	0.35312	0.117354	3.009026	0.002621	0.058894	ENSMUSG0
ENSMUSG00000018909.15	531.0181	0.968586	0.323543	2.993686	0.002756	0.060873	ENSMUSG0
ENSMUSG00000021097.15	524.2121	1.166634	0.272786	4.276737	1.90E-05	0.001643	ENSMUSG0
ENSMUSG00000003617.16	523.7662	1.230247	0.369311	3.331193	0.000865	0.026829	ENSMUSG0
ENSMUSG000000031853.5	522.5973	0.696893	0.237972	2.928471	0.003406	0.070066	ENSMUSG0
ENSMUSG00000019876.15	520.3506	0.792783	0.243284	3.258669	0.001119	0.032234	ENSMUSG0
ENSMUSG00000049866.12	518.2021	0.733311	0.229852	3.190362	0.001421	0.038016	ENSMUSG0
ENSMUSG00000001435.15	516.284	1.388025	0.327603	4.236916	2.27E-05	0.001839	ENSMUSG0
ENSMUSG00000021700.10	512.2147	0.896307	0.20237	4.429055	9.46E-06	0.000979	ENSMUSG0
ENSMUSG00000027254.13	511.56	1.511089	0.335705	4.501244	6.76E-06	0.00076	ENSMUSG0
ENSMUSG00000027878.11	509.5115	1.013655	0.324698	3.121835	0.001797	0.045371	ENSMUSG0
ENSMUSG000000034684.12	496.5454	0.683526	0.233913	2.92214	0.003476	0.070882	ENSMUSG0
ENSMUSG00000020592.14	494.1284	1.129613	0.336352	3.358425	0.000784	0.025385	ENSMUSG0
ENSMUSG000000033419.16	492.9616	0.642654	0.172624	3.722846	0.000197	0.009403	ENSMUSG0
ENSMUSG000000045763.8	489.2766	0.929802	0.193932	4.794471	1.63E-06	0.000259	ENSMUSG0
ENSMUSG000000037788.14	487.8455	0.822106	0.188863	4.352921	1.34E-05	0.001292	ENSMUSG0
ENSMUSG00000029710.15	484.6715	0.776445	0.189292	4.101826	4.10E-05	0.003025	ENSMUSG0
ENSMUSG000000050357.9	479.2344	0.538723	0.182292	2.955282	0.003124	0.066215	ENSMUSG0
ENSMUSG000000031285.14	472.3598	1.442897	0.181185	7.963678	1.67E-15	2.14E-12	ENSMUSG0
ENSMUSG000000030203.17	471.7447	0.591588	0.201081	2.942039	0.003261	0.068323	ENSMUSG0
ENSMUSG000000027695.16	471.4215	0.927293	0.320099	2.896897	0.003769	0.075047	ENSMUSG0
ENSMUSG000000056515.9	467.2436	0.61237	0.157792	3.880875	0.000104	0.005926	ENSMUSG0
ENSMUSG000000074657.5	463.8419	1.178519	0.270972	4.349235	1.37E-05	0.001304	ENSMUSG0
ENSMUSG000000030089.15	462.447	1.053388	0.346496	3.04012	0.002365	0.05461	ENSMUSG0
ENSMUSG000000031075.19	459.6602	1.269103	0.244223	5.196502	2.03E-07	5.14E-05	ENSMUSG0
ENSMUSG000000040703.11	459.1826	1.307272	0.43749	2.988119	0.002807	0.061416	ENSMUSG0
ENSMUSG000000039556.16	456.0649	0.834039	0.257751	3.235829	0.001213	0.034361	ENSMUSG0
ENSMUSG00000023827.8	447.753	0.94859	0.205372	4.618892	3.86E-06	0.000512	ENSMUSG0
ENSMUSG000000048078.16	443.0067	0.677235	0.209516	3.232378	0.001228	0.034575	ENSMUSG0
ENSMUSG000000027797.15	436.6311	1.111111	0.316748	3.507871	0.000452	0.017359	ENSMUSG0
ENSMUSG000000037972.7	434.9005	0.69522	0.216401	3.212653	0.001315	0.036037	ENSMUSG0
ENSMUSG000000099032.2	429.6017	1.732518	0.28748	6.026572	1.67E-09	7.32E-07	ENSMUSG0
ENSMUSG000000048612.16	418.6253	1.022968	0.340572	3.003678	0.002667	0.059662	ENSMUSG0
ENSMUSG000000021613.9	418.2541	1.010858	0.280174	3.607973	0.000309	0.012905	ENSMUSG0
ENSMUSG000000033170.14	415.0924	1.365802	0.269121	5.075043	3.87E-07	8.57E-05	ENSMUSG0
ENSMUSG000000007783.10	413.9143	0.469481	0.153802	3.052493	0.002269	0.053304	ENSMUSG0
ENSMUSG000000009545.14	413.0213	1.077107	0.242974	4.433021	9.29E-06	0.000971	ENSMUSG0
ENSMUSG000000038740.9	410.0945	1.026043	0.149519	6.862304	6.78E-12	4.20E-09	ENSMUSG0
ENSMUSG000000000957.11	409.7879	1.048962	0.261134	4.01695	5.90E-05	0.003926	ENSMUSG0
ENSMUSG000000057286.6	404.4994	0.973625	0.237733	4.095447	4.21E-05	0.00307	ENSMUSG0
ENSMUSG000000054342.8	404.1779	1.100954	0.308193	3.572294	0.000354	0.014452	ENSMUSG0
ENSMUSG000000024642.17	401.7917	0.639106	0.189531	3.372037	0.000746	0.024535	ENSMUSG0
ENSMUSG00000002808.7	401.2965	0.83414	0.238155	3.502502	0.000461	0.017591	ENSMUSG0

ENSMUSG00000040170.13	401.1637	1.234156	0.277485	4.447654	8.68E-06	0.000928	ENSMUSG0
ENSMUSG00000078853.8	400.5246	0.758361	0.199791	3.795782	0.000147	0.007631	ENSMUSG0
ENSMUSG00000029361.18	395.197	1.714935	0.424226	4.042499	5.29E-05	0.003646	ENSMUSG0
ENSMUSG00000036641.9	391.3646	0.700224	0.251722	2.781735	0.005407	0.096661	ENSMUSG0
ENSMUSG00000036198.12	390.7486	3.344317	0.293119	11.4094	3.75E-30	1.44E-26	ENSMUSG0
ENSMUSG00000021253.7	380.9793	1.548203	0.358397	4.319798	1.56E-05	0.00141	ENSMUSG0
ENSMUSG00000033068.16	379.7687	0.398709	0.127462	3.128075	0.00176	0.04483	ENSMUSG0
ENSMUSG00000045991.19	377.0708	1.790206	0.412337	4.341607	1.41E-05	0.001321	ENSMUSG0
ENSMUSG00000040856.17	376.7953	1.917073	0.464961	4.123087	3.74E-05	0.002831	ENSMUSG0
ENSMUSG00000028005.13	372.5205	0.73594	0.145176	5.069301	3.99E-07	8.73E-05	ENSMUSG0
ENSMUSG00000024501.20	367.2844	1.536881	0.422443	3.638075	0.000275	0.011742	ENSMUSG0
ENSMUSG00000028780.13	366.739	1.01032	0.265347	3.807542	0.00014	0.007357	ENSMUSG0
ENSMUSG00000030956.15	366.614	0.712663	0.21238	3.355609	0.000792	0.02559	ENSMUSG0
ENSMUSG00000026249.10	366.4721	0.746196	0.219093	3.405846	0.00066	0.022657	ENSMUSG0
ENSMUSG00000030551.14	366.2209	0.98583	0.219588	4.489453	7.14E-06	0.000786	ENSMUSG0
ENSMUSG00000041992.9	360.3328	1.052434	0.309273	3.402928	0.000667	0.022738	ENSMUSG0
ENSMUSG00000051439.7	357.5311	1.253311	0.39719	3.155448	0.001603	0.04177	ENSMUSG0
ENSMUSG00000014444.17	357.3038	0.972778	0.341054	2.852269	0.004341	0.083251	ENSMUSG0
ENSMUSG00000018166.8	354.8638	0.881961	0.259092	3.404049	0.000664	0.022685	ENSMUSG0
ENSMUSG00000035864.14	343.6793	1.381093	0.343827	4.016828	5.90E-05	0.003926	ENSMUSG0
ENSMUSG00000023147.17	343.3045	0.447975	0.129865	3.449551	0.000562	0.020265	ENSMUSG0
ENSMUSG00000036390.8	339.7428	0.532131	0.158596	3.355268	0.000793	0.02559	ENSMUSG0
ENSMUSG00000050953.10	338.7256	0.774204	0.234189	3.305891	0.000947	0.02877	ENSMUSG0
ENSMUSG00000010080.15	331.9457	1.422928	0.491748	2.893615	0.003808	0.075704	ENSMUSG0
ENSMUSG00000000567.5	326.8208	1.044897	0.341033	3.063918	0.002185	0.052267	ENSMUSG0
ENSMUSG00000062312.5	324.7201	1.301019	0.414969	3.13522	0.001717	0.044103	ENSMUSG0
ENSMUSG00000069874.7	323.8068	0.638184	0.204471	3.121149	0.001801	0.045417	ENSMUSG0
ENSMUSG00000044628.5	322.0987	0.639638	0.186313	3.433144	0.000597	0.021249	ENSMUSG0
ENSMUSG00000062661.6	319.7171	1.150715	0.259801	4.429212	9.46E-06	0.000979	ENSMUSG0
ENSMUSG00000030711.16	317.2218	1.331652	0.362873	3.669746	0.000243	0.010733	ENSMUSG0
ENSMUSG00000037211.12	316.5664	0.628236	0.194931	3.222873	0.001269	0.03534	ENSMUSG0
ENSMUSG00000047230.6	314.3835	1.28458	0.323318	3.973118	7.09E-05	0.004459	ENSMUSG0
ENSMUSG00000032402.12	313.7262	0.753605	0.225203	3.346333	0.000819	0.02608	ENSMUSG0
ENSMUSG00000036699.12	311.0861	0.924643	0.270943	3.412687	0.000643	0.022387	ENSMUSG0
ENSMUSG00000022594.14	310.4109	1.150585	0.360005	3.196029	0.001393	0.037485	ENSMUSG0
ENSMUSG00000030621.17	307.8268	1.048834	0.246986	4.246541	2.17E-05	0.001777	ENSMUSG0
ENSMUSG00000031877.9	302.0213	1.321319	0.381129	3.466857	0.000527	0.019442	ENSMUSG0
ENSMUSG00000028626.5	301.5215	1.360225	0.230717	5.895648	3.73E-09	1.50E-06	ENSMUSG0
ENSMUSG00000024074.8	297.9102	1.003456	0.254938	3.936084	8.28E-05	0.005074	ENSMUSG0
ENSMUSG00000002489.16	294.4095	1.431732	0.30794	4.649381	3.33E-06	0.000464	ENSMUSG0
ENSMUSG00000031925.17	291.5371	0.928807	0.151619	6.125937	9.02E-10	4.24E-07	ENSMUSG0
ENSMUSG00000026604.17	291.2628	1.063895	0.257233	4.13592	3.54E-05	0.002699	ENSMUSG0
ENSMUSG00000052539.15	286.3673	1.015468	0.247614	4.101008	4.11E-05	0.003025	ENSMUSG0
ENSMUSG00000026639.18	286.2421	0.618034	0.220363	2.804622	0.005038	0.091764	ENSMUSG0
ENSMUSG00000051652.4	283.411	0.970633	0.333858	2.907321	0.003645	0.073121	ENSMUSG0
ENSMUSG00000056569.11	277.4488	0.688625	0.213642	3.223261	0.001267	0.03534	ENSMUSG0
ENSMUSG00000031355.16	275.6695	1.568706	0.237391	6.608122	3.89E-11	2.14E-08	ENSMUSG0
ENSMUSG00000025272.16	274.2833	1.288612	0.286123	4.503694	6.68E-06	0.000756	ENSMUSG0
ENSMUSG00000023905.15	273.353	0.784784	0.172906	4.53878	5.66E-06	0.00067	ENSMUSG0
ENSMUSG00000060572.17	273.0023	1.548574	0.286862	5.398326	6.73E-08	1.90E-05	ENSMUSG0
ENSMUSG00000027777.15	271.2201	0.599976	0.212205	2.827343	0.004694	0.087487	ENSMUSG0
ENSMUSG00000036782.13	270.3691	0.917265	0.261797	3.50373	0.000459	0.017545	ENSMUSG0

ENSMUSG00000041025.15	270.0559	0.841986	0.220156	3.824502	0.000131	0.006982	ENSMUSG0
ENSMUSG00000044312.4	267.349	1.243808	0.322708	3.854276	0.000116	0.006405	ENSMUSG0
ENSMUSG00000027803.14	266.2457	0.855725	0.232618	3.678677	0.000234	0.010562	ENSMUSG0
ENSMUSG00000057969.15	265.9452	1.075967	0.267267	4.025809	5.68E-05	0.003846	ENSMUSG0
ENSMUSG00000015217.11	265.2194	0.90233	0.223108	4.044363	5.25E-05	0.003643	ENSMUSG0
ENSMUSG00000022055.7	262.2068	1.736571	0.515361	3.369623	0.000753	0.024661	ENSMUSG0
ENSMUSG00000058056.16	262.0263	1.015298	0.279443	3.633297	0.00028	0.011909	ENSMUSG0
ENSMUSG00000030077.11	261.6379	1.625511	0.27587	5.892313	3.81E-09	1.50E-06	ENSMUSG0
ENSMUSG00000023348.11	261.1326	0.785126	0.261235	3.005443	0.002652	0.059386	ENSMUSG0
ENSMUSG00000045348.16	260.9735	0.59774	0.181355	3.295958	0.000981	0.029207	ENSMUSG0
ENSMUSG00000000058.6	260.2899	0.82528	0.247718	3.331528	0.000864	0.026829	ENSMUSG0
ENSMUSG00000042510.7	257.1145	0.947857	0.339745	2.789911	0.005272	0.095049	ENSMUSG0
ENSMUSG00000022231.10	255.9012	0.948849	0.285454	3.324003	0.000887	0.027311	ENSMUSG0
ENSMUSG00000000531.5	255.7786	0.779849	0.164452	4.742101	2.12E-06	0.000319	ENSMUSG0
ENSMUSG00000038456.9	255.769	0.719371	0.195851	3.673048	0.00024	0.010642	ENSMUSG0
ENSMUSG00000027864.9	255.2006	0.842258	0.255341	3.29856	0.000972	0.029073	ENSMUSG0
ENSMUSG00000029120.10	254.5789	0.892665	0.173243	5.152674	2.57E-07	6.17E-05	ENSMUSG0
ENSMUSG00000022099.17	253.9175	1.019096	0.358822	2.840119	0.00451	0.0856	ENSMUSG0
ENSMUSG00000038463.8	253.2093	1.30676	0.164375	7.949894	1.87E-15	2.24E-12	ENSMUSG0
ENSMUSG00000032850.16	251.5585	0.690377	0.185428	3.723157	0.000197	0.009403	ENSMUSG0
ENSMUSG00000020684.14	251.2401	1.808237	0.209976	8.611653	7.20E-18	1.73E-14	ENSMUSG0
ENSMUSG00000004383.18	250.3135	0.633847	0.171554	3.694729	0.00022	0.010178	ENSMUSG0
ENSMUSG00000036560.14	249.237	0.808039	0.26262	3.076834	0.002092	0.050877	ENSMUSG0
ENSMUSG00000032269.8	245.566	1.285781	0.442913	2.90301	0.003696	0.07375	ENSMUSG0
ENSMUSG00000047250.13	244.9037	0.958885	0.241772	3.966078	7.31E-05	0.004519	ENSMUSG0
ENSMUSG00000094910.1	242.7509	0.858553	0.146804	5.848295	4.97E-09	1.87E-06	ENSMUSG0
ENSMUSG00000032224.15	242.1129	0.466113	0.162025	2.876794	0.004017	0.078615	ENSMUSG0
ENSMUSG00000040612.13	241.2459	1.682364	0.459607	3.660443	0.000252	0.011032	ENSMUSG0
ENSMUSG00000052852.8	241.0556	1.237261	0.444771	2.781794	0.005406	0.096661	ENSMUSG0
ENSMUSG00000040907.15	240.5161	1.275345	0.426808	2.988102	0.002807	0.061416	ENSMUSG0
ENSMUSG00000029778.12	239.5674	1.372044	0.430292	3.188631	0.001429	0.038191	ENSMUSG0
ENSMUSG00000072941.5	239.4303	0.991807	0.334123	2.96839	0.002994	0.064055	ENSMUSG0
ENSMUSG00000063063.12	238.7043	0.628858	0.201793	3.116361	0.001831	0.045741	ENSMUSG0
ENSMUSG00000074923.10	237.4896	0.719325	0.190184	3.782261	0.000155	0.00784	ENSMUSG0
ENSMUSG00000034810.7	236.8791	1.032967	0.359514	2.873232	0.004063	0.079131	ENSMUSG0
ENSMUSG00000032334.10	236.6032	0.984371	0.341035	2.886424	0.003896	0.076953	ENSMUSG0
ENSMUSG00000048285.9	236.0568	0.861316	0.188019	4.581005	4.63E-06	0.000585	ENSMUSG0
ENSMUSG00000058248.12	235.5431	0.682727	0.217516	3.138735	0.001697	0.043811	ENSMUSG0
ENSMUSG00000024664.5	234.7549	1.031801	0.308294	3.346812	0.000817	0.02608	ENSMUSG0
ENSMUSG00000024421.16	234.6589	0.920377	0.302513	3.042435	0.002347	0.054387	ENSMUSG0
ENSMUSG00000052951.5	233.0369	0.757854	0.219943	3.445684	0.00057	0.020442	ENSMUSG0
ENSMUSG00000041801.5	232.7981	0.896708	0.223424	4.013483	5.98E-05	0.003945	ENSMUSG0
ENSMUSG00000015970.19	232.7378	1.212467	0.376175	3.223142	0.001268	0.03534	ENSMUSG0
ENSMUSG00000044288.6	232.2736	1.044214	0.322937	3.233494	0.001223	0.034491	ENSMUSG0
ENSMUSG00000047407.17	230.8945	0.980717	0.334424	2.932552	0.003362	0.069762	ENSMUSG0
ENSMUSG00000033377.14	230.6966	1.077795	0.323363	3.333083	0.000859	0.026821	ENSMUSG0
ENSMUSG00000000627.15	229.5051	1.010165	0.216634	4.663013	3.12E-06	0.000438	ENSMUSG0
ENSMUSG00000022178.11	228.1527	1.012179	0.330128	3.066023	0.002169	0.05203	ENSMUSG0
ENSMUSG00000001761.7	227.7524	0.945643	0.280119	3.375865	0.000736	0.024363	ENSMUSG0
ENSMUSG00000029168.14	223.8219	1.557053	0.295354	5.271828	1.35E-07	3.56E-05	ENSMUSG0
ENSMUSG00000039239.14	222.1417	1.08865	0.321468	3.386499	0.000708	0.023765	ENSMUSG0
ENSMUSG00000031342.17	217.5163	0.963797	0.245907	3.91935	8.88E-05	0.005329	ENSMUSG0

ENSMUSG00000024511.15	216.9961	1.049924	0.341908	3.070775	0.002135	0.051576	ENSMUSG0
ENSMUSG00000024998.17	216.8176	1.080473	0.270861	3.989032	6.63E-05	0.004268	ENSMUSG0
ENSMUSG00000019256.17	215.99	0.68286	0.195484	3.493171	0.000477	0.01811	ENSMUSG0
ENSMUSG00000001870.16	213.8192	0.890228	0.254592	3.496678	0.000471	0.017944	ENSMUSG0
ENSMUSG00000026380.10	213.5382	1.155284	0.314106	3.67801	0.000235	0.010562	ENSMUSG0
ENSMUSG00000059974.10	213.3471	1.730589	0.349366	4.953506	7.29E-07	0.000143	ENSMUSG0
ENSMUSG00000027356.8	212.9721	1.354713	0.373967	3.62255	0.000292	0.012333	ENSMUSG0
ENSMUSG00000022096.14	212.5629	1.155782	0.284065	4.068726	4.73E-05	0.003343	ENSMUSG0
ENSMUSG00000023945.7	212.382	1.916044	0.439819	4.356438	1.32E-05	0.001278	ENSMUSG0
ENSMUSG00000030257.16	211.5626	0.717659	0.238152	3.013444	0.002583	0.058386	ENSMUSG0
ENSMUSG00000054162.15	211.4015	1.279646	0.262912	4.867208	1.13E-06	0.0002	ENSMUSG0
ENSMUSG00000097789.2	211.1917	1.016935	0.234473	4.337102	1.44E-05	0.001342	ENSMUSG0
ENSMUSG00000029757.16	209.9261	1.032934	0.266034	3.882712	0.000103	0.005914	ENSMUSG0
ENSMUSG00000033383.6	208.7432	1.476616	0.503056	2.935291	0.003332	0.069373	ENSMUSG0
ENSMUSG00000078794.4	208.5435	0.620324	0.169714	3.65511	0.000257	0.011171	ENSMUSG0
ENSMUSG00000040724.5	208.4947	0.88066	0.225034	3.91346	9.10E-05	0.005385	ENSMUSG0
ENSMUSG00000025735.13	205.8783	0.794851	0.27363	2.90484	0.003674	0.073549	ENSMUSG0
ENSMUSG00000020848.7	205.8548	1.574452	0.29598	5.319462	1.04E-07	2.86E-05	ENSMUSG0
ENSMUSG00000036985.12	204.7117	0.613565	0.204419	3.001514	0.002686	0.059879	ENSMUSG0
ENSMUSG00000053963.7	203.4629	1.866378	0.401937	4.643457	3.43E-06	0.000474	ENSMUSG0
ENSMUSG00000038168.5	202.8253	1.65	0.242528	6.803345	1.02E-11	6.14E-09	ENSMUSG0
ENSMUSG00000006445.3	201.9502	0.915374	0.280595	3.262265	0.001105	0.032014	ENSMUSG0
ENSMUSG00000048070.4	200.2916	1.424039	0.500488	2.845303	0.004437	0.084587	ENSMUSG0
ENSMUSG00000028804.20	199.3365	1.07123	0.232288	4.611648	3.99E-06	0.000523	ENSMUSG0
ENSMUSG00000046223.10	199.1792	1.03114	0.366586	2.812817	0.004911	0.090313	ENSMUSG0
ENSMUSG00000041731.13	198.817	3.384878	0.277844	12.18265	3.85E-34	2.47E-30	ENSMUSG0
ENSMUSG00000025964.15	198.7828	1.00037	0.268511	3.725621	0.000195	0.00937	ENSMUSG0
ENSMUSG00000032006.15	196.6825	0.96378	0.311909	3.089938	0.002002	0.049183	ENSMUSG0
ENSMUSG00000039116.7	195.9229	1.430249	0.274129	5.21743	1.81E-07	4.72E-05	ENSMUSG0
ENSMUSG00000047793.13	193.805	1.154203	0.374742	3.079995	0.00207	0.050468	ENSMUSG0
ENSMUSG00000024558.12	193.2263	1.528188	0.317493	4.813294	1.48E-06	0.000242	ENSMUSG0
ENSMUSG00000040511.14	192.5103	0.82079	0.183975	4.461422	8.14E-06	0.000886	ENSMUSG0
ENSMUSG00000015127.14	189.4756	0.685443	0.209104	3.277995	0.001045	0.03061	ENSMUSG0
ENSMUSG00000015850.11	187.9453	1.082063	0.268583	4.028788	5.61E-05	0.003811	ENSMUSG0
ENSMUSG00000039410.16	187.6402	1.179568	0.291089	4.052261	5.07E-05	0.003535	ENSMUSG0
ENSMUSG00000027375.14	181.7705	1.394823	0.414486	3.365188	0.000765	0.024939	ENSMUSG0
ENSMUSG00000041390.18	180.7882	0.808522	0.225682	3.58257	0.00034	0.013984	ENSMUSG0
ENSMUSG00000095115.2	179.3285	0.823847	0.285552	2.885104	0.003913	0.077039	ENSMUSG0
ENSMUSG00000115388.2	178.9878	1.021897	0.293036	3.487281	0.000488	0.018393	ENSMUSG0
ENSMUSG00000026432.7	178.8254	0.861941	0.275013	3.134182	0.001723	0.044155	ENSMUSG0
ENSMUSG00000032724.5	178.0177	1.1075	0.262002	4.227059	2.37E-05	0.001898	ENSMUSG0
ENSMUSG00000041577.5	175.6857	1.210166	0.398586	3.036146	0.002396	0.055081	ENSMUSG0
ENSMUSG00000020607.7	175.5514	1.158376	0.266753	4.34251	1.41E-05	0.001321	ENSMUSG0
ENSMUSG00000029122.11	175.2635	1.239206	0.302198	4.100639	4.12E-05	0.003025	ENSMUSG0
ENSMUSG00000050967.5	172.1542	0.698817	0.199063	3.51053	0.000447	0.017274	ENSMUSG0
ENSMUSG00000020057.2	171.885	1.041721	0.241638	4.311084	1.62E-05	0.001453	ENSMUSG0
ENSMUSG00000040270.16	171.3641	1.128194	0.404621	2.788273	0.005299	0.095363	ENSMUSG0
ENSMUSG00000039385.5	170.8976	1.90313	0.466369	4.080742	4.49E-05	0.003202	ENSMUSG0
ENSMUSG00000084939.2	168.8403	2.286119	0.57446	3.979594	6.90E-05	0.004397	ENSMUSG0
ENSMUSG00000032261.16	167.9752	0.652832	0.218561	2.986955	0.002818	0.061523	ENSMUSG0
ENSMUSG00000028019.9	167.2571	2.039987	0.412402	4.946593	7.55E-07	0.000145	ENSMUSG0
ENSMUSG00000050271.12	166.7061	0.980378	0.262033	3.741434	0.000183	0.008888	ENSMUSG0

ENSMUSG00000047414.6	165.7651	1.414004	0.305717	4.625208	3.74E-06	0.0005	ENSMUSG0
ENSMUSG00000020159.8	164.7268	2.115998	0.600412	3.524245	0.000425	0.016672	ENSMUSG0
ENSMUSG00000040274.11	164.4075	0.895249	0.305201	2.933308	0.003354	0.069667	ENSMUSG0
ENSMUSG00000038077.7	164.0894	1.106915	0.275102	4.023651	5.73E-05	0.003868	ENSMUSG0
ENSMUSG00000048022.11	163.6761	1.105791	0.310133	3.565535	0.000363	0.014686	ENSMUSG0
ENSMUSG00000021062.15	163.3858	0.940813	0.256999	3.66076	0.000251	0.011032	ENSMUSG0
ENSMUSG00000055116.8	162.5303	1.083343	0.384394	2.818311	0.004828	0.089294	ENSMUSG0
ENSMUSG00000029838.11	161.6928	1.155659	0.313426	3.687186	0.000227	0.010323	ENSMUSG0
ENSMUSG00000020135.13	160.666	0.974892	0.327105	2.980367	0.002879	0.062048	ENSMUSG0
ENSMUSG00000032033.11	159.4741	1.952639	0.40284	4.847184	1.25E-06	0.000215	ENSMUSG0
ENSMUSG00000058420.8	156.5286	0.947464	0.280317	3.379966	0.000725	0.024071	ENSMUSG0
ENSMUSG00000032374.14	156.3548	0.989684	0.348823	2.837209	0.004551	0.08591	ENSMUSG0
ENSMUSG00000023243.9	155.9094	1.164072	0.366986	3.171976	0.001514	0.040128	ENSMUSG0
ENSMUSG00000026749.11	154.9765	0.750338	0.221712	3.384286	0.000714	0.023894	ENSMUSG0
ENSMUSG00000078234.6	154.3294	1.380291	0.426811	3.233966	0.001221	0.034485	ENSMUSG0
ENSMUSG00000038777.19	153.8887	0.906464	0.327549	2.767413	0.00565	0.099441	ENSMUSG0
ENSMUSG00000033805.12	151.9798	1.039789	0.310963	3.343768	0.000826	0.026207	ENSMUSG0
ENSMUSG00000038670.11	150.6943	2.186056	0.506979	4.31193	1.62E-05	0.001453	ENSMUSG0
ENSMUSG00000051379.12	150.5958	1.616026	0.44956	3.594683	0.000325	0.013485	ENSMUSG0
ENSMUSG00000056174.8	150.2297	1.761582	0.279167	6.31013	2.79E-10	1.41E-07	ENSMUSG0
ENSMUSG00000034227.7	149.8246	1.182858	0.369484	3.201382	0.001368	0.037003	ENSMUSG0
ENSMUSG00000015134.15	149.6237	2.099293	0.470578	4.461095	8.15E-06	0.000886	ENSMUSG0
ENSMUSG00000031538.6	149.2708	1.024384	0.288357	3.55249	0.000382	0.015325	ENSMUSG0
ENSMUSG00000030000.10	149.1738	0.949427	0.277499	3.42137	0.000623	0.021911	ENSMUSG0
ENSMUSG00000042694.17	147.5769	0.564678	0.203432	2.775756	0.005507	0.097856	ENSMUSG0
ENSMUSG00000045404.16	146.1653	3.079677	0.302104	10.1941	2.11E-24	5.79E-21	ENSMUSG0
ENSMUSG00000016346.17	144.5823	1.03993	0.353235	2.94402	0.00324	0.067998	ENSMUSG0
ENSMUSG00000020937.14	143.5558	1.42833	0.419329	3.406228	0.000659	0.022657	ENSMUSG0
ENSMUSG00000072812.4	139.5365	1.248014	0.418554	2.981724	0.002866	0.062029	ENSMUSG0
ENSMUSG00000074505.6	138.6825	3.716866	0.253674	14.65211	1.31E-48	2.51E-44	ENSMUSG0
ENSMUSG00000019647.16	137.7437	0.764951	0.245032	3.121839	0.001797	0.045371	ENSMUSG0
ENSMUSG00000038775.14	135.5481	0.940321	0.239321	3.929123	8.53E-05	0.00519	ENSMUSG0
ENSMUSG00000025889.13	134.5216	1.020539	0.309452	3.297891	0.000974	0.029097	ENSMUSG0
ENSMUSG00000050777.7	133.8961	1.249642	0.328295	3.806461	0.000141	0.007369	ENSMUSG0
ENSMUSG00000042035.11	133.0981	0.960788	0.281741	3.410186	0.000649	0.02247	ENSMUSG0
ENSMUSG00000031274.16	132.5359	1.128278	0.299748	3.764087	0.000167	0.008309	ENSMUSG0
ENSMUSG00000056427.10	131.1656	0.905189	0.321586	2.814761	0.004881	0.089854	ENSMUSG0
ENSMUSG00000058656.13	129.6866	0.955525	0.31299	3.052891	0.002266	0.053298	ENSMUSG0
ENSMUSG00000010660.3	129.3384	0.944496	0.200262	4.716299	2.40E-06	0.000355	ENSMUSG0
ENSMUSG00000057722.17	128.5409	1.415349	0.412991	3.427073	0.00061	0.021535	ENSMUSG0
ENSMUSG00000036672.5	127.4836	0.723886	0.209445	3.456218	0.000548	0.020034	ENSMUSG0
ENSMUSG00000073910.10	127.0854	0.939064	0.219326	4.28158	1.86E-05	0.001615	ENSMUSG0
ENSMUSG00000041734.15	126.2362	1.12269	0.333327	3.368133	0.000757	0.024716	ENSMUSG0
ENSMUSG00000022382.15	126.1919	2.037663	0.567834	3.588486	0.000333	0.01373	ENSMUSG0
ENSMUSG00000056596.8	126.0332	1.097776	0.36091	3.041688	0.002353	0.054392	ENSMUSG0
ENSMUSG00000035954.10	125.5932	0.93469	0.241254	3.874304	0.000107	0.00605	ENSMUSG0
ENSMUSG00000041343.19	125.0247	0.600305	0.215127	2.790471	0.005263	0.094974	ENSMUSG0
ENSMUSG00000060548.13	124.9277	1.564681	0.479916	3.260324	0.001113	0.032094	ENSMUSG0
ENSMUSG00000020435.17	124.0812	0.679719	0.225408	3.015508	0.002565	0.058059	ENSMUSG0
ENSMUSG00000061080.11	123.0628	1.855987	0.361209	5.138266	2.77E-07	6.43E-05	ENSMUSG0
ENSMUSG00000033361.13	122.9536	1.818148	0.242149	7.508388	5.99E-14	5.01E-11	ENSMUSG0
ENSMUSG00000038963.15	122.8674	0.873868	0.261664	3.339655	0.000839	0.026322	ENSMUSG0

ENSMUSG00000034177.15	122.8352	1.047889	0.319824	3.276455	0.001051	0.030731	ENSMUSG0
ENSMUSG00000018387.12	122.7598	1.182739	0.238492	4.959234	7.08E-07	0.000143	ENSMUSG0
ENSMUSG00000038453.17	121.7883	2.14367	0.32255	6.646017	3.01E-11	1.76E-08	ENSMUSG0
ENSMUSG00000028949.13	121.3691	0.956571	0.26991	3.544032	0.000394	0.015694	ENSMUSG0
ENSMUSG00000040339.10	121.2787	1.00642	0.274286	3.669237	0.000243	0.010733	ENSMUSG0
ENSMUSG00000031558.15	121.2036	1.050268	0.343422	3.058243	0.002226	0.052923	ENSMUSG0
ENSMUSG00000037813.13	119.33	1.339021	0.337141	3.971691	7.14E-05	0.004472	ENSMUSG0
ENSMUSG00000071847.13	119.2601	1.127341	0.38697	2.913253	0.003577	0.071971	ENSMUSG0
ENSMUSG00000018581.15	118.2651	1.402423	0.418296	3.352701	0.0008	0.025786	ENSMUSG0
ENSMUSG00000074480.4	118.2526	0.889449	0.237586	3.7437	0.000181	0.008831	ENSMUSG0
ENSMUSG00000035184.15	117.9336	1.686011	0.396457	4.252698	2.11E-05	0.001759	ENSMUSG0
ENSMUSG00000050248.11	117.0218	1.876414	0.273347	6.864584	6.67E-12	4.20E-09	ENSMUSG0
ENSMUSG00000042751.14	116.8741	1.789892	0.402369	4.448386	8.65E-06	0.000928	ENSMUSG0
ENSMUSG00000019989.8	116.2129	1.010498	0.27283	3.70376	0.000212	0.00987	ENSMUSG0
ENSMUSG00000041540.16	114.91	1.322355	0.395711	3.341716	0.000833	0.026207	ENSMUSG0
ENSMUSG00000041688.16	113.2971	1.112261	0.362357	3.069517	0.002144	0.051683	ENSMUSG0
ENSMUSG00000043259.15	113.1235	0.915411	0.203692	4.4941	6.99E-06	0.000777	ENSMUSG0
ENSMUSG00000046093.9	113.0972	1.536229	0.497587	3.087359	0.002019	0.049422	ENSMUSG0
ENSMUSG00000033618.7	111.9611	0.782196	0.275556	2.838615	0.004531	0.085785	ENSMUSG0
ENSMUSG00000027463.14	111.3558	1.100278	0.354819	3.100953	0.001929	0.047633	ENSMUSG0
ENSMUSG00000048240.14	110.6593	0.943504	0.241332	3.909569	9.25E-05	0.005456	ENSMUSG0
ENSMUSG00000005686.17	110.4207	0.798043	0.287722	2.773657	0.005543	0.098272	ENSMUSG0
ENSMUSG00000068452.8	110.2553	2.005122	0.685807	2.92374	0.003459	0.07085	ENSMUSG0
ENSMUSG00000059149.17	110.0115	1.001721	0.310076	3.230568	0.001235	0.034744	ENSMUSG0
ENSMUSG00000008489.18	108.5311	1.707836	0.358441	4.764624	1.89E-06	0.000291	ENSMUSG0
ENSMUSG00000021943.7	106.7493	1.141868	0.374357	3.050212	0.002287	0.053514	ENSMUSG0
ENSMUSG00000044217.17	105.8912	1.862947	0.48037	3.87815	0.000105	0.005972	ENSMUSG0
ENSMUSG00000041324.14	104.7635	1.343698	0.336173	3.99704	6.41E-05	0.004168	ENSMUSG0
ENSMUSG00000030030.5	104.1766	0.746301	0.212351	3.514473	0.000441	0.017089	ENSMUSG0
ENSMUSG00000040717.6	103.7901	0.969269	0.256472	3.77924	0.000157	0.007901	ENSMUSG0
ENSMUSG00000031028.14	103.0187	1.676264	0.451569	3.712089	0.000206	0.009617	ENSMUSG0
ENSMUSG00000040711.8	102.8547	1.433536	0.441112	3.249821	0.001155	0.033056	ENSMUSG0
ENSMUSG00000024302.16	102.4737	1.313023	0.383032	3.427971	0.000608	0.021535	ENSMUSG0
ENSMUSG00000015484.3	101.0238	0.852585	0.245864	3.467705	0.000525	0.019418	ENSMUSG0
ENSMUSG00000039629.14	100.3132	1.101725	0.34285	3.213429	0.001312	0.035991	ENSMUSG0
ENSMUSG00000030340.16	100.1972	1.469228	0.380341	3.862926	0.000112	0.006265	ENSMUSG0

lets
Gene.name
App
Gprasp1
Anxa6
Atf3
Aplp2
Scd2
Cd81
Vat1
Bcam
Alcam
Ncald
Atp6v1a
Vat1l
Gprasp2
Serping1
Csrp1
Timp2
Ace2
Mapt
Penk
Plec
Kif5c
Gas6
Map4
Calb1
Tmem59l
Abcc5
Mesd
Fat1
Crmp1
Tubb3
Sorl1
Itga3
Bicc1
Pex5l
Ass1
Agrn
Kl
Map2k1
Smoc1
Grb10
Efhd2
Cald1
Eef1a2
Kctd10
Ndr4
Rgs4
Tgm2
Kmt5a
Rtn1

Ccn1
Cd99l2
Smpd3
Nfix
Magee1
Myh10
Cavin1
Me1
Rcn3
Usp11
Pygb
Col27a1
Myrf
Sdc2
Plekhb1
Cdkn1a
Pls3
Pik3ap1
Fads2
Evpl
Lama5
Ece2
Mmp15
Hbegf
Nrsn1
Arvcf
St3gal4
Nfib
Sult4a1
Gramd1b
Parm1
Ptprs
Lamb2
Cdc42ep4
Ache
Wwc1
Pdlim5
Igfbp5
Pcp4l1
Cdc42ep1
Prss23
Gpld1
Fgfr3
Hspb8
Ehf
Lgi2
Palm
Hmgcs2
Ttc9
Hk1
Dpp10
Phldb1

Trim32
Fgfr2
Ppl
Gab1
Scara3
Myo1e
Sfn
Pkh1
Emp2
Trim2
Arrb1
Clmn
Cp
Map3k21
Pkib
Arl4c
Col18a1
Rab3c
Map1a
Notch2
Sema3f
Sdc1
Snap91
Basp1
Vopp1
Ephb4
Carmil2
Dcx
Dusp16
Pld1
Rab31
Kif5a
Slc41a3
Ano1
Cyp2s1
Ppp1r3f
Agpat4
Tenm4
Dclk1
Snn
Tcf24
Myof
Hapln1
Card10
Cpt1c
Kcnq1
Mvb12b
Mmp14
St6galnac2
Kcnn4
Tle4
Epdr1

Fmo2
Igtg
Nos1
Ccadc148
Arhgap36
Tgfb3
Entpd6
Onecut2
Dlk1
Gucy1b1
Dpysl3
Sema3c
Fam53b
Serpine2
Nr2f2
Rapgef5
Cd14
Piezo1
ErbB3
Syt1
Get1
Gadd45a
Gja1
Epn3
Sox9
ErbB2
Irgm2
Rnf208
Ncs1
Sult1a1
Spry1
Cldn2
Smad3
Zcchc12
Lynx1
Me3
Ces2g
Col9a2
Crim1
Tiam1
Maml2
Ptpn14
Magi3
Lamb3
Lrrc3
Mpz
Arhgap6
Tro
Tnfrsf12a
Mfap2
Schip1
Klhl13

Iffo2
Neurog3
Wwtr1
Sema3b
Hmgb3
Nefl
Palld
Chl1
Trip6
Nyap1
Cav2
AA986860
Sema5a
Grasp
Dennd2a
Ptgfrn
Ppp2r2c
Dmtn
Olfml2b
Rnft2
Rasl10b
Large1
Lgi4
Htr3a
Ptgs1
D430019H16Rik
Fam81a
Ildr2
Reep1
Atp1a3
Adcyap1r1
Sod3
Ctnna2
Pak6
Scn7a
Loxl1
Frmd6
Kcnh1
Fads3
Lama3
C130021I20Rik
Phlda3
Chdh
Cnr1
Tgif1
Palmd
Sema4f
Ajuba
Smo
Dpysl5
Tgfb2
Gpm6b

Rab27b
Plce1
Ahr
Ltbp1
Tfcp2l1
Ntm
Fermt1
Hr
Slc5a7
Srgap3
Spock3
Gm2115
Dync1i1
Rtp1
Dact3
Kcna2
Rhbd11
Doc2b
Zdhhc9
Stum
P3h2
Epha2
Pirt
Csmd2
Plaur
Pgm5
Adam23
Pdgfd
Adgrg6
Sned1
Mapk4
Pvr
Unkl
Adamts14
Prdm16
Mal
Mdfic
Itpr12
Eppk1
Avpr1b
Abtb2
Prelp
Lratd1
Evc
Creg2
Dram1
Bach2
Cdh6
Gm830
Sh3bgrl2
Pdgfc
Prag1

Flrt2
Gabrp
Cdk6
Kcna6
Tmem229a
Rab15
Arntl
Ptn
Apc2
Barx2
Syt17
Plod2
Kcnk5
Nek6
Klhdc7a
Sema6c
Ephx4
Mybpc2
Flrt3
Col8a2
Foxj1
Aldh1a3
Plat
Add2
Stn1
Kcnk13
Kcnq2
Plcd3
Ahnak2
Fat3
Sema6a
Vill
Snca
Tmem37
Igsf3
Col4a5
Slit3
Samd12
Plcd1
Lepr
Cenpt
Mob3b
Kirrel
Wnt7b
Trnp1
Dock4
Ankrd42
Tnfrsf19
Osbp2
Lsamp
Prrg3
Slco4a1

Rnf43
Shroom1
Srcin1
Smarcd3
Fam102b
Slit2
D630003M21Rik
Apcdd1
Dnah11
Mex3a
Fam124a
Evc2
Nmnat2
Enpp3
Sox5
Amot
Fam13c
Hpcal4
Map3k13
Slc52a3
Gng7
Ampd3
Duox2
Mfsd4a
Elavl2
Gdf10
Aqp5
Inhba
1700003E16Rik
Il17rd
Tub
Sh3pxd2b
Dtna
Fam163a
Strip2
Scnn1a

Supplemental Table 5. Genes down-regulated (padj <0.1, baseMean >100 RPKM) in MIR125B-Tg versus con

Gene.stable	baseMean	log2FoldCh	lfcSE	stat	pvalue	padj	Gene.stable.ID
ENSMUSG0	168.8381	-25.7556	3.026445	-8.51018	1.74E-17	3.71E-14	ENSMUSG00000067736
ENSMUSG0	507.264	-1.6927	0.208604	-8.11439	4.88E-16	7.83E-13	ENSMUSG00000039395
ENSMUSG0	790.7101	-1.21207	0.15572	-7.78365	7.05E-15	7.53E-12	ENSMUSG00000032091
ENSMUSG0	1216.273	-1.87018	0.245709	-7.61137	2.71E-14	2.48E-11	ENSMUSG00000090236
ENSMUSG0	3297.003	-1.62812	0.220792	-7.37398	1.66E-13	1.27E-10	ENSMUSG00000031762
ENSMUSG0	350.1123	-1.33319	0.182413	-7.30865	2.70E-13	2.00E-10	ENSMUSG00000099413
ENSMUSG0	2634.114	-0.66283	0.095687	-6.92707	4.30E-12	2.85E-09	ENSMUSG00000026307
ENSMUSG0	2818.146	-1.10493	0.166848	-6.6224	3.53E-11	2.00E-08	ENSMUSG00000032245
ENSMUSG0	414.7326	-1.4326	0.217799	-6.57762	4.78E-11	2.55E-08	ENSMUSG00000044164
ENSMUSG0	8234.2	-1.3713	0.216531	-6.33305	2.40E-10	1.25E-07	ENSMUSG00000031765
ENSMUSG0	244.6037	-1.52722	0.243894	-6.2618	3.81E-10	1.88E-07	ENSMUSG00000026312
ENSMUSG0	306.9758	-1.66746	0.273236	-6.10263	1.04E-09	4.67E-07	ENSMUSG00000034164
ENSMUSG0	8256.599	-0.71135	0.119297	-5.9629	2.48E-09	1.06E-06	ENSMUSG00000026473
ENSMUSG0	106.6827	-1.85865	0.313198	-5.93443	2.95E-09	1.21E-06	ENSMUSG00000042529
ENSMUSG0	709.4779	-1.56394	0.266648	-5.8652	4.49E-09	1.73E-06	ENSMUSG00000029273
ENSMUSG0	1715.557	-1.38548	0.238547	-5.80801	6.32E-09	2.34E-06	ENSMUSG00000063011
ENSMUSG0	241.715	-1.57638	0.273729	-5.75891	8.47E-09	3.07E-06	ENSMUSG00000037106
ENSMUSG0	5784.152	-1.19918	0.210349	-5.7009	1.19E-08	4.17E-06	ENSMUSG00000044988
ENSMUSG0	1491.102	-1.22149	0.215379	-5.67135	1.42E-08	4.78E-06	ENSMUSG00000021803
ENSMUSG0	169.1685	-2.20143	0.389899	-5.64616	1.64E-08	5.35E-06	ENSMUSG00000061126
ENSMUSG0	890.3242	-0.80836	0.143345	-5.63926	1.71E-08	5.48E-06	ENSMUSG00000042429
ENSMUSG0	1051.234	-0.90716	0.162102	-5.59624	2.19E-08	6.80E-06	ENSMUSG00000002997
ENSMUSG0	808.0731	-1.19963	0.215969	-5.55465	2.78E-08	8.36E-06	ENSMUSG00000025127
ENSMUSG0	3295.781	-0.98566	0.18165	-5.42617	5.76E-08	1.70E-05	ENSMUSG00000030406
ENSMUSG0	2004.523	-1.21937	0.229419	-5.31504	1.07E-07	2.89E-05	ENSMUSG00000044453
ENSMUSG0	249.6537	-1.39847	0.268492	-5.20862	1.90E-07	4.88E-05	ENSMUSG00000019429
ENSMUSG0	628.8942	-1.74508	0.336068	-5.19262	2.07E-07	5.18E-05	ENSMUSG00000000214
ENSMUSG0	373.5186	-1.22065	0.235975	-5.1728	2.31E-07	5.69E-05	ENSMUSG00000052373
ENSMUSG0	2231.648	-0.82704	0.16012	-5.16517	2.40E-07	5.85E-05	ENSMUSG00000032356
ENSMUSG0	167.4678	-1.33207	0.259053	-5.14207	2.72E-07	6.43E-05	ENSMUSG00000029919
ENSMUSG0	4268.707	-0.76413	0.148655	-5.14029	2.74E-07	6.43E-05	ENSMUSG00000028749
ENSMUSG0	103.6202	-0.94475	0.187428	-5.04062	4.64E-07	9.83E-05	ENSMUSG00000027560
ENSMUSG0	543.2386	-0.93456	0.185729	-5.03186	4.86E-07	0.000102	ENSMUSG00000050473
ENSMUSG0	647.3908	-0.6969	0.138798	-5.02094	5.14E-07	0.000106	ENSMUSG00000044254
ENSMUSG0	3113.363	-0.81448	0.162668	-5.00697	5.53E-07	0.000113	ENSMUSG00000021913
ENSMUSG0	247.4815	-1.37195	0.276735	-4.95763	7.14E-07	0.000143	ENSMUSG00000022129
ENSMUSG0	510.0305	-0.97093	0.196439	-4.94263	7.71E-07	0.000147	ENSMUSG00000041842
ENSMUSG0	385.6939	-0.97671	0.197971	-4.9336	8.07E-07	0.000151	ENSMUSG00000018470
ENSMUSG0	1300.42	-0.84652	0.172969	-4.89403	9.88E-07	0.000181	ENSMUSG00000023017
ENSMUSG0	353.9096	-0.88269	0.181163	-4.87238	1.10E-06	0.000198	ENSMUSG00000000544
ENSMUSG0	1118.461	-0.50858	0.104506	-4.86652	1.14E-06	0.0002	ENSMUSG00000028878
ENSMUSG0	541.7583	-1.72504	0.355883	-4.84722	1.25E-06	0.000215	ENSMUSG00000074240
ENSMUSG0	2226.48	-0.60604	0.125722	-4.82047	1.43E-06	0.000239	ENSMUSG00000007038
ENSMUSG0	7020.673	-0.57645	0.119611	-4.81936	1.44E-06	0.000239	ENSMUSG00000078670
ENSMUSG0	1085.208	-0.8478	0.177878	-4.76618	1.88E-06	0.000291	ENSMUSG00000024064
ENSMUSG0	5039.825	-0.82486	0.173247	-4.76118	1.92E-06	0.000294	ENSMUSG00000039470
ENSMUSG0	509.0922	-0.89258	0.188252	-4.74142	2.12E-06	0.000319	ENSMUSG00000022941
ENSMUSG0	332.3911	-0.79457	0.169923	-4.67604	2.92E-06	0.00042	ENSMUSG00000021364
ENSMUSG0	209.0445	-1.83581	0.393701	-4.66295	3.12E-06	0.000438	ENSMUSG00000104283
ENSMUSG0	1762.689	-0.62959	0.136029	-4.62836	3.69E-06	0.000496	ENSMUSG00000090291

ENSMUSG0	618.7307	-0.53449	0.11605	-4.60568	4.11E-06	0.000534	ENSMUSG00000024553
ENSMUSG0	1019.398	-1.25735	0.273132	-4.60346	4.16E-06	0.000536	ENSMUSG00000079620
ENSMUSG0	263.5385	-1.01906	0.222228	-4.58567	4.53E-06	0.000576	ENSMUSG00000040181
ENSMUSG0	5302.406	-0.75336	0.164491	-4.57994	4.65E-06	0.000585	ENSMUSG00000025366
ENSMUSG0	2274.267	-1.24451	0.273086	-4.55721	5.18E-06	0.000642	ENSMUSG00000074207
ENSMUSG0	570.1704	-1.07088	0.235094	-4.55513	5.24E-06	0.000642	ENSMUSG00000074892
ENSMUSG0	3173.136	-0.97596	0.214423	-4.55157	5.32E-06	0.000643	ENSMUSG00000046593
ENSMUSG0	230.2763	-1.33716	0.295106	-4.5311	5.87E-06	0.00068	ENSMUSG00000058159
ENSMUSG0	2745.117	-1.60357	0.35477	-4.52003	6.18E-06	0.000712	ENSMUSG00000009246
ENSMUSG0	110.3767	-1.5099	0.335207	-4.50438	6.66E-06	0.000756	ENSMUSG00000044716
ENSMUSG0	319.2991	-1.10512	0.246172	-4.4892	7.15E-06	0.000786	ENSMUSG00000021999
ENSMUSG0	267.8859	-0.87924	0.197414	-4.45377	8.44E-06	0.000912	ENSMUSG00000043333
ENSMUSG0	488.3851	-1.11233	0.2502	-4.44577	8.76E-06	0.000931	ENSMUSG00000051209
ENSMUSG0	3250.68	-0.87097	0.196359	-4.43558	9.18E-06	0.000965	ENSMUSG00000020732
ENSMUSG0	222.0416	-0.76053	0.172693	-4.40394	1.06E-05	0.001076	ENSMUSG00000049999
ENSMUSG0	6122.919	-0.6249	0.143749	-4.34717	1.38E-05	0.001307	ENSMUSG00000027168
ENSMUSG0	1464.475	-0.75279	0.173289	-4.34412	1.40E-05	0.001319	ENSMUSG00000033209
ENSMUSG0	1466.389	-0.57302	0.133173	-4.30281	1.69E-05	0.001495	ENSMUSG00000027230
ENSMUSG0	1224.568	-0.83051	0.19353	-4.29138	1.78E-05	0.001564	ENSMUSG00000045284
ENSMUSG0	16588.46	-0.63021	0.146874	-4.29079	1.78E-05	0.001564	ENSMUSG00000044139
ENSMUSG0	682.0281	-0.6951	0.162968	-4.26526	2.00E-05	0.001699	ENSMUSG00000039372
ENSMUSG0	991.6855	-0.50497	0.118573	-4.25868	2.06E-05	0.001722	ENSMUSG00000047205
ENSMUSG0	684.6723	-0.88442	0.208068	-4.25063	2.13E-05	0.001767	ENSMUSG00000039419
ENSMUSG0	7202.972	-0.94881	0.223411	-4.24695	2.17E-05	0.001777	ENSMUSG00000027690
ENSMUSG0	4046.323	-0.77873	0.183381	-4.2465	2.17E-05	0.001777	ENSMUSG00000031255
ENSMUSG0	14125.28	-0.93838	0.22116	-4.24298	2.21E-05	0.001798	ENSMUSG00000046447
ENSMUSG0	734.8633	-0.94616	0.223801	-4.22771	2.36E-05	0.001898	ENSMUSG00000042589
ENSMUSG0	2581.911	-0.67826	0.161681	-4.19506	2.73E-05	0.002142	ENSMUSG00000029644
ENSMUSG0	2275.802	-0.58364	0.139161	-4.19403	2.74E-05	0.002143	ENSMUSG00000024712
ENSMUSG0	753.2934	-0.61232	0.148749	-4.1165	3.85E-05	0.002881	ENSMUSG00000032667
ENSMUSG0	1875.154	-1.05967	0.258009	-4.10712	4.01E-05	0.002975	ENSMUSG00000039910
ENSMUSG0	1322.205	-0.75632	0.18465	-4.09597	4.20E-05	0.00307	ENSMUSG00000038296
ENSMUSG0	102.3842	-1.38207	0.337609	-4.09369	4.25E-05	0.003082	ENSMUSG00000028753
ENSMUSG0	9270.607	-0.81041	0.198271	-4.08736	4.36E-05	0.003143	ENSMUSG00000024027
ENSMUSG0	189.7407	-1.63719	0.400918	-4.08362	4.43E-05	0.003183	ENSMUSG00000074344
ENSMUSG0	2287.464	-0.52416	0.128945	-4.06503	4.80E-05	0.003372	ENSMUSG00000026617
ENSMUSG0	1568.195	-0.83451	0.206728	-4.03675	5.42E-05	0.003723	ENSMUSG00000038267
ENSMUSG0	1347.77	-0.43156	0.107111	-4.02905	5.60E-05	0.003811	ENSMUSG00000034714
ENSMUSG0	586.7061	-0.74885	0.186593	-4.01326	5.99E-05	0.003945	ENSMUSG00000025092
ENSMUSG0	2926.07	-0.49769	0.124039	-4.01236	6.01E-05	0.003947	ENSMUSG00000037902
ENSMUSG0	1094.913	-0.6158	0.154899	-3.97549	7.02E-05	0.004444	ENSMUSG00000024013
ENSMUSG0	1535.813	-0.64019	0.161341	-3.96792	7.25E-05	0.004513	ENSMUSG00000000326
ENSMUSG0	1484.795	-0.46079	0.117321	-3.92757	8.58E-05	0.005207	ENSMUSG00000026643
ENSMUSG0	119.6566	-1.00533	0.256388	-3.92113	8.81E-05	0.005315	ENSMUSG00000045009
ENSMUSG0	1745.169	-0.69556	0.177358	-3.92179	8.79E-05	0.005315	ENSMUSG00000044365
ENSMUSG0	453.7509	-0.47408	0.12106	-3.91605	9.00E-05	0.005344	ENSMUSG00000042647
ENSMUSG0	676.0435	-0.39855	0.101758	-3.91667	8.98E-05	0.005344	ENSMUSG00000038784
ENSMUSG0	453.9596	-0.8594	0.220024	-3.90594	9.39E-05	0.005488	ENSMUSG00000032338
ENSMUSG0	2566.336	-0.76939	0.197058	-3.90437	9.45E-05	0.005507	ENSMUSG00000022098
ENSMUSG0	487.9728	-0.74764	0.191538	-3.90335	9.49E-05	0.005513	ENSMUSG00000026544
ENSMUSG0	11633.65	-0.68794	0.176954	-3.88767	0.000101	0.005812	ENSMUSG00000027984
ENSMUSG0	2771.241	-0.68324	0.176059	-3.88075	0.000104	0.005926	ENSMUSG00000041608

ENSMUSG0	2579.375	-0.77343	0.200018	-3.86679	0.00011	0.006203	ENSMUSG000000116652
ENSMUSG0	686.2555	-0.67971	0.175756	-3.86733	0.00011	0.006203	ENSMUSG000000027603
ENSMUSG0	318.1313	-0.66302	0.172302	-3.848	0.000119	0.006541	ENSMUSG000000018995
ENSMUSG0	3236.193	-0.509	0.132296	-3.84745	0.000119	0.006541	ENSMUSG000000033717
ENSMUSG0	3216.902	-0.45163	0.117522	-3.84293	0.000122	0.006609	ENSMUSG000000021111
ENSMUSG0	2165.926	-0.90591	0.236686	-3.82747	0.000129	0.006918	ENSMUSG000000034785
ENSMUSG0	513.9152	-0.75784	0.198786	-3.81234	0.000138	0.007255	ENSMUSG000000034687
ENSMUSG0	185.043	-1.43871	0.379604	-3.79004	0.000151	0.007677	ENSMUSG000000114206
ENSMUSG0	459.5147	-1.1524	0.306076	-3.76506	0.000167	0.008298	ENSMUSG000000027166
ENSMUSG0	7116.982	-0.48395	0.128595	-3.76335	0.000168	0.008312	ENSMUSG000000038375
ENSMUSG0	294.5501	-0.77768	0.207154	-3.7541	0.000174	0.00858	ENSMUSG000000034813
ENSMUSG0	6227.288	-0.86559	0.230939	-3.74814	0.000178	0.008742	ENSMUSG000000005373
ENSMUSG0	2143.652	-0.50085	0.133611	-3.74854	0.000178	0.008742	ENSMUSG000000030872
ENSMUSG0	3202.753	-0.41108	0.109734	-3.74611	0.00018	0.008791	ENSMUSG000000023942
ENSMUSG0	270.3938	-0.86242	0.230353	-3.7439	0.000181	0.008831	ENSMUSG000000097184
ENSMUSG0	2710.819	-0.88213	0.236924	-3.72326	0.000197	0.009403	ENSMUSG000000021453
ENSMUSG0	1001.269	-0.38058	0.102257	-3.7218	0.000198	0.009418	ENSMUSG000000034336
ENSMUSG0	3397.862	-0.47073	0.126634	-3.71727	0.000201	0.009518	ENSMUSG000000020260
ENSMUSG0	1891.319	-0.50736	0.136573	-3.7149	0.000203	0.009584	ENSMUSG000000036327
ENSMUSG0	340.7837	-1.06561	0.286928	-3.71386	0.000204	0.009597	ENSMUSG000000024972
ENSMUSG0	1422.172	-0.55726	0.150613	-3.69998	0.000216	0.009994	ENSMUSG000000022211
ENSMUSG0	960.2232	-0.63144	0.170964	-3.69343	0.000221	0.010206	ENSMUSG000000022026
ENSMUSG0	987.6933	-0.42133	0.114199	-3.68941	0.000225	0.01027	ENSMUSG000000039428
ENSMUSG0	6192.895	-0.62803	0.170341	-3.68689	0.000227	0.010323	ENSMUSG000000027004
ENSMUSG0	9073.77	-0.94964	0.257617	-3.68626	0.000228	0.010325	ENSMUSG000000034871
ENSMUSG0	164.3339	-1.04843	0.285194	-3.67619	0.000237	0.010562	ENSMUSG000000028186
ENSMUSG0	1802.46	-0.69941	0.19028	-3.67571	0.000237	0.010562	ENSMUSG000000040354
ENSMUSG0	2559.062	-0.45883	0.125345	-3.66056	0.000252	0.011032	ENSMUSG000000041720
ENSMUSG0	2126.229	-0.49785	0.136525	-3.64661	0.000266	0.011435	ENSMUSG000000002221
ENSMUSG0	1496.385	-0.57583	0.158021	-3.64402	0.000268	0.011525	ENSMUSG000000032633
ENSMUSG0	433.46	-0.79542	0.218634	-3.63815	0.000275	0.011742	ENSMUSG000000020131
ENSMUSG0	1567.959	-1.22299	0.337102	-3.62795	0.000286	0.012131	ENSMUSG000000025993
ENSMUSG0	3973.033	-0.7054	0.194977	-3.61789	0.000297	0.012502	ENSMUSG000000022490
ENSMUSG0	2269.064	-0.51351	0.143094	-3.58864	0.000332	0.01373	ENSMUSG000000037966
ENSMUSG0	248.8417	-0.83923	0.234244	-3.58272	0.00034	0.013984	ENSMUSG000000021287
ENSMUSG0	1297.091	-0.50153	0.140271	-3.57542	0.00035	0.014342	ENSMUSG000000074064
ENSMUSG0	2496.64	-0.97541	0.27299	-3.57306	0.000353	0.014441	ENSMUSG000000032890
ENSMUSG0	2197.557	-0.8393	0.235064	-3.5705	0.000356	0.014503	ENSMUSG000000024150
ENSMUSG0	4405.584	-0.44599	0.124927	-3.57002	0.000357	0.014503	ENSMUSG000000022453
ENSMUSG0	2220.182	-0.35587	0.099692	-3.5697	0.000357	0.014503	ENSMUSG000000045294
ENSMUSG0	1487.861	-0.38682	0.108494	-3.56533	0.000363	0.014686	ENSMUSG000000028555
ENSMUSG0	1848.109	-0.45561	0.128608	-3.54264	0.000396	0.015744	ENSMUSG000000050144
ENSMUSG0	1977.746	-0.71277	0.202407	-3.52149	0.000429	0.016812	ENSMUSG000000003500
ENSMUSG0	996.4782	-0.67235	0.191005	-3.52005	0.000431	0.016869	ENSMUSG000000043621
ENSMUSG0	835.9798	-0.44173	0.125537	-3.51873	0.000434	0.016919	ENSMUSG000000039914
ENSMUSG0	500.2148	-0.6983	0.198595	-3.51621	0.000438	0.017036	ENSMUSG000000052117
ENSMUSG0	3226.439	-0.42849	0.121874	-3.51582	0.000438	0.017036	ENSMUSG000000022472
ENSMUSG0	2794.005	-0.5076	0.144617	-3.50998	0.000448	0.017275	ENSMUSG000000046982
ENSMUSG0	1429.217	-0.51201	0.14597	-3.50763	0.000452	0.017359	ENSMUSG000000031024
ENSMUSG0	2708.556	-0.46224	0.13185	-3.5058	0.000455	0.017444	ENSMUSG000000031442
ENSMUSG0	2469.406	-0.40023	0.114713	-3.48896	0.000485	0.018361	ENSMUSG000000024513
ENSMUSG0	893.0333	-0.54269	0.156351	-3.47101	0.000519	0.019255	ENSMUSG000000031803

ENSMUSG0	4764.085	-0.48999	0.141291	-3.46798	0.000524	0.019418	ENSMUSG00000019066
ENSMUSG0	317.4101	-0.53316	0.153915	-3.46399	0.000532	0.019569	ENSMUSG00000041774
ENSMUSG0	478.2983	-0.79968	0.231754	-3.45053	0.000559	0.020254	ENSMUSG00000032782
ENSMUSG0	1244.834	-0.60723	0.176159	-3.44705	0.000567	0.020403	ENSMUSG00000050556
ENSMUSG0	1535.977	-0.45225	0.131487	-3.43948	0.000583	0.0208	ENSMUSG00000035891
ENSMUSG0	5373.766	-0.49165	0.143227	-3.4327	0.000598	0.021249	ENSMUSG00000051403
ENSMUSG0	1841.963	-0.48841	0.143393	-3.40609	0.000659	0.022657	ENSMUSG00000042203
ENSMUSG0	481.9371	-0.6088	0.178796	-3.40501	0.000662	0.022685	ENSMUSG00000028292
ENSMUSG0	1232.444	-0.54569	0.160872	-3.39205	0.000694	0.023411	ENSMUSG00000043668
ENSMUSG0	5351.569	-0.62679	0.184932	-3.3893	0.000701	0.023565	ENSMUSG00000025935
ENSMUSG0	1398.173	-0.58584	0.173344	-3.37965	0.000726	0.024071	ENSMUSG00000052889
ENSMUSG0	163.5778	-1.20044	0.35592	-3.37278	0.000744	0.024511	ENSMUSG00000092286
ENSMUSG0	127.462	-0.76612	0.228728	-3.34949	0.00081	0.025944	ENSMUSG00000038152
ENSMUSG0	3377.739	-0.53346	0.159274	-3.34935	0.00081	0.025944	ENSMUSG00000024247
ENSMUSG0	7203.499	-0.79387	0.23746	-3.34318	0.000828	0.026207	ENSMUSG00000024899
ENSMUSG0	1030.55	-0.73023	0.218495	-3.34211	0.000831	0.026207	ENSMUSG00000019737
ENSMUSG0	768.2054	-0.73398	0.220326	-3.33135	0.000864	0.026829	ENSMUSG00000087694
ENSMUSG0	380.308	-0.4807	0.144547	-3.32559	0.000882	0.027199	ENSMUSG00000027243
ENSMUSG0	1684.983	-0.55265	0.166343	-3.32233	0.000893	0.027431	ENSMUSG00000048218
ENSMUSG0	698.4316	-0.46769	0.140855	-3.32038	0.000899	0.027579	ENSMUSG00000025817
ENSMUSG0	2433.646	-0.37281	0.11281	-3.30479	0.00095	0.028838	ENSMUSG00000026457
ENSMUSG0	12876.14	-0.58501	0.177049	-3.30426	0.000952	0.028848	ENSMUSG00000035187
ENSMUSG0	251.8421	-0.56438	0.170885	-3.30266	0.000958	0.028906	ENSMUSG00000035121
ENSMUSG0	1152.385	-0.77847	0.236232	-3.29535	0.000983	0.029225	ENSMUSG00000046070
ENSMUSG0	967.9984	-0.48658	0.147716	-3.29402	0.000988	0.029318	ENSMUSG00000031755
ENSMUSG0	1983.999	-0.52249	0.158682	-3.29269	0.000992	0.029338	ENSMUSG00000026687
ENSMUSG0	19058.1	-0.47025	0.142824	-3.29254	0.000993	0.029338	ENSMUSG00000020788
ENSMUSG0	391.5586	-0.62431	0.189647	-3.29196	0.000995	0.029353	ENSMUSG00000030499
ENSMUSG0	1047.144	-0.39298	0.120054	-3.27334	0.001063	0.031024	ENSMUSG00000054708
ENSMUSG0	413.0845	-0.52222	0.161007	-3.24348	0.001181	0.03365	ENSMUSG00000039771
ENSMUSG0	908.1168	-0.44258	0.136603	-3.23993	0.001196	0.033971	ENSMUSG00000021038
ENSMUSG0	378.3698	-0.43509	0.134529	-3.23416	0.00122	0.034485	ENSMUSG00000000876
ENSMUSG0	342.8011	-0.90088	0.279036	-3.22852	0.001244	0.034891	ENSMUSG00000020183
ENSMUSG0	172.9956	-0.65995	0.204892	-3.22099	0.001277	0.03546	ENSMUSG00000092118
ENSMUSG0	575.9926	-0.55636	0.172718	-3.2212	0.001277	0.03546	ENSMUSG00000051817
ENSMUSG0	200.3447	-2.0461	0.635512	-3.21961	0.001284	0.035579	ENSMUSG00000109305
ENSMUSG0	1439.596	-0.35497	0.110383	-3.21584	0.001301	0.035895	ENSMUSG00000038271
ENSMUSG0	134.7116	-0.77277	0.240342	-3.21528	0.001303	0.035913	ENSMUSG00000027525
ENSMUSG0	958.4136	-0.51925	0.161551	-3.21417	0.001308	0.035974	ENSMUSG00000111977
ENSMUSG0	4134.605	-0.45337	0.141063	-3.21398	0.001309	0.035974	ENSMUSG00000032193
ENSMUSG0	1269.857	-0.56049	0.174491	-3.21212	0.001318	0.036053	ENSMUSG00000031438
ENSMUSG0	1120.711	-0.51004	0.159084	-3.20611	0.001345	0.036658	ENSMUSG00000029475
ENSMUSG0	4869.197	-0.94188	0.293964	-3.20407	0.001355	0.036763	ENSMUSG00000044933
ENSMUSG0	531.4867	-0.88938	0.278059	-3.19854	0.001381	0.037223	ENSMUSG00000016624
ENSMUSG0	1154.966	-0.44309	0.138508	-3.19902	0.001379	0.037223	ENSMUSG00000059811
ENSMUSG0	466.7534	-0.82315	0.257766	-3.19341	0.001406	0.037722	ENSMUSG00000028680
ENSMUSG0	253.3831	-0.75816	0.237835	-3.18775	0.001434	0.038255	ENSMUSG00000026452
ENSMUSG0	2276.32	-0.63777	0.201193	-3.16996	0.001525	0.04034	ENSMUSG00000025404
ENSMUSG0	526.5111	-0.56816	0.179334	-3.16814	0.001534	0.040537	ENSMUSG00000038208
ENSMUSG0	5668.805	-0.54887	0.173582	-3.16205	0.001567	0.041169	ENSMUSG00000044156
ENSMUSG0	1216.468	-0.48193	0.15241	-3.16205	0.001567	0.041169	ENSMUSG00000041729
ENSMUSG0	697.3022	-0.50518	0.159984	-3.15769	0.00159	0.041676	ENSMUSG00000021257

ENSMUSG0	1775.661	-0.82111	0.260138	-3.15644	0.001597	0.041742	ENSMUSG00000027495
ENSMUSG0	1089.918	-0.69597	0.220545	-3.15568	0.001601	0.04177	ENSMUSG00000021211
ENSMUSG0	1270.987	-0.47929	0.151927	-3.15472	0.001607	0.041785	ENSMUSG00000031974
ENSMUSG0	1656.023	-0.45313	0.143644	-3.15455	0.001607	0.041785	ENSMUSG00000030256
ENSMUSG0	3151.213	-0.68189	0.216784	-3.14547	0.001658	0.042915	ENSMUSG00000029752
ENSMUSG0	732.8952	-0.44058	0.140578	-3.13409	0.001724	0.044155	ENSMUSG00000025318
ENSMUSG0	1793.406	-0.90373	0.288749	-3.12979	0.001749	0.044628	ENSMUSG00000018102
ENSMUSG0	243.6773	-0.67469	0.215747	-3.12724	0.001765	0.044839	ENSMUSG00000020122
ENSMUSG0	2191.321	-0.47452	0.151929	-3.12326	0.001789	0.045328	ENSMUSG00000032114
ENSMUSG0	3721.036	-0.87546	0.280841	-3.11729	0.001825	0.045656	ENSMUSG00000033863
ENSMUSG0	3959.383	-0.56708	0.181909	-3.11737	0.001825	0.045656	ENSMUSG00000021303
ENSMUSG0	268.9537	-0.867	0.278351	-3.11476	0.001841	0.045827	ENSMUSG00000074272
ENSMUSG0	170.4802	-0.71785	0.230557	-3.11355	0.001849	0.045941	ENSMUSG00000037185
ENSMUSG0	1325.463	-0.42256	0.135994	-3.10715	0.001889	0.046825	ENSMUSG00000024442
ENSMUSG0	4845.664	-0.54836	0.177406	-3.09096	0.001995	0.049077	ENSMUSG00000015363
ENSMUSG0	9536.966	-0.99858	0.325082	-3.07177	0.002128	0.051576	ENSMUSG00000020182
ENSMUSG0	2445.126	-0.57126	0.185955	-3.072	0.002126	0.051576	ENSMUSG00000040010
ENSMUSG0	225.8083	-0.51543	0.167866	-3.07051	0.002137	0.051576	ENSMUSG00000046152
ENSMUSG0	258.4364	-0.74255	0.242156	-3.06641	0.002166	0.05203	ENSMUSG00000098053
ENSMUSG0	361.9474	-0.50702	0.165353	-3.06627	0.002167	0.05203	ENSMUSG00000020553
ENSMUSG0	1380.856	-0.42671	0.139133	-3.06691	0.002163	0.05203	ENSMUSG00000024180
ENSMUSG0	1049.826	-0.44023	0.143649	-3.06461	0.00218	0.052211	ENSMUSG00000015027
ENSMUSG0	4312.563	-0.66057	0.216226	-3.05498	0.002251	0.053123	ENSMUSG00000059824
ENSMUSG0	1114.554	-0.34842	0.114118	-3.0532	0.002264	0.053298	ENSMUSG00000031584
ENSMUSG0	1723.876	-0.64603	0.211912	-3.04857	0.002299	0.053742	ENSMUSG00000068617
ENSMUSG0	135.5097	-1.29206	0.423902	-3.04802	0.002304	0.053776	ENSMUSG00000084902
ENSMUSG0	2308.221	-0.51384	0.168673	-3.04637	0.002316	0.054007	ENSMUSG00000028152
ENSMUSG0	1568.912	-0.36433	0.119689	-3.04394	0.002335	0.054246	ENSMUSG00000028955
ENSMUSG0	105.8847	-0.57596	0.190118	-3.02951	0.002449	0.05596	ENSMUSG00000042115
ENSMUSG0	571.0832	-0.68085	0.225015	-3.02578	0.00248	0.056521	ENSMUSG00000060002
ENSMUSG0	242.5712	-1.693	0.560647	-3.01973	0.00253	0.057391	ENSMUSG00000056978
ENSMUSG0	570.6849	-0.51898	0.171851	-3.01993	0.002528	0.057391	ENSMUSG00000020734
ENSMUSG0	5888.899	-0.49292	0.163231	-3.01976	0.00253	0.057391	ENSMUSG00000005514
ENSMUSG0	206.7908	-0.82192	0.272476	-3.0165	0.002557	0.057938	ENSMUSG00000045761
ENSMUSG0	158.1309	-1.31173	0.435494	-3.01206	0.002595	0.058448	ENSMUSG00000031382
ENSMUSG0	1341.145	-0.86364	0.287698	-3.00188	0.002683	0.059877	ENSMUSG00000020027
ENSMUSG0	363.3604	-0.80116	0.267292	-2.99734	0.002723	0.060544	ENSMUSG00000034990
ENSMUSG0	1344.981	-0.51658	0.172418	-2.99611	0.002734	0.060599	ENSMUSG00000036432
ENSMUSG0	34454.12	-0.66368	0.221937	-2.99039	0.002786	0.061181	ENSMUSG00000064339
ENSMUSG0	5919.935	-0.37822	0.126529	-2.9892	0.002797	0.061352	ENSMUSG00000021484
ENSMUSG0	3491.842	-0.39258	0.131392	-2.98783	0.00281	0.061416	ENSMUSG00000058569
ENSMUSG0	3338.661	-0.69409	0.232446	-2.98604	0.002826	0.061523	ENSMUSG00000037843
ENSMUSG0	1233.251	-0.44503	0.149044	-2.98591	0.002827	0.061523	ENSMUSG00000025812
ENSMUSG0	1695.833	-0.56828	0.190368	-2.98518	0.002834	0.061601	ENSMUSG00000049091
ENSMUSG0	942.6674	-0.5646	0.189284	-2.98282	0.002856	0.061997	ENSMUSG00000038564
ENSMUSG0	682.2396	-0.52778	0.176958	-2.98253	0.002859	0.061997	ENSMUSG00000028454
ENSMUSG0	345.3362	-0.42298	0.14186	-2.98167	0.002867	0.062029	ENSMUSG00000070476
ENSMUSG0	467710.3	-0.91044	0.305496	-2.98022	0.00288	0.062048	ENSMUSG00000041681
ENSMUSG0	124.3273	-0.67224	0.225784	-2.97733	0.002908	0.062564	ENSMUSG00000034706
ENSMUSG0	37086.7	-0.61854	0.208776	-2.96271	0.003049	0.065103	ENSMUSG00000005232
ENSMUSG0	827.3805	-0.37169	0.125713	-2.95663	0.00311	0.066182	ENSMUSG00000042642
ENSMUSG0	5904.034	-0.54841	0.185596	-2.95487	0.003128	0.066215	ENSMUSG00000035325

ENSMUSG0	132.9031	-1.26893	0.42958	-2.95388	0.003138	0.066261	ENSMUSG00000027478
ENSMUSG0	463.6284	-0.38687	0.131776	-2.93583	0.003327	0.069329	ENSMUSG00000020086
ENSMUSG0	175.2812	-0.59815	0.203812	-2.93479	0.003338	0.06941	ENSMUSG00000060224
ENSMUSG0	888.1352	-0.93029	0.31738	-2.93115	0.003377	0.070001	ENSMUSG00000043300
ENSMUSG0	735.5497	-0.50577	0.172688	-2.92879	0.003403	0.070066	ENSMUSG00000033105
ENSMUSG0	1935.992	-0.54431	0.186135	-2.9243	0.003452	0.070798	ENSMUSG00000025237
ENSMUSG0	108.1141	-0.78931	0.270126	-2.922	0.003478	0.070882	ENSMUSG00000037846
ENSMUSG0	4687.697	-0.63343	0.21678	-2.92199	0.003478	0.070882	ENSMUSG00000068615
ENSMUSG0	2950.235	-0.43154	0.147888	-2.91803	0.003523	0.071443	ENSMUSG00000027434
ENSMUSG0	499.0638	-0.39246	0.13452	-2.91751	0.003528	0.071443	ENSMUSG00000066839
ENSMUSG0	2917.215	-0.39035	0.133781	-2.9178	0.003525	0.071443	ENSMUSG00000039263
ENSMUSG0	504.0913	-0.78811	0.270318	-2.91551	0.003551	0.071602	ENSMUSG00000028755
ENSMUSG0	3752.054	-0.47823	0.164016	-2.91574	0.003549	0.071602	ENSMUSG00000034701
ENSMUSG0	7527.486	-0.31434	0.107804	-2.91585	0.003547	0.071602	ENSMUSG00000034707
ENSMUSG0	142.3571	-0.7853	0.269482	-2.91413	0.003567	0.071845	ENSMUSG00000025815
ENSMUSG0	1370.178	-0.61158	0.211463	-2.89214	0.003826	0.075958	ENSMUSG00000050212
ENSMUSG0	535.9335	-0.78759	0.273299	-2.88177	0.003954	0.077778	ENSMUSG00000056158
ENSMUSG0	1414.324	-0.42274	0.146711	-2.88145	0.003958	0.077779	ENSMUSG00000045045
ENSMUSG0	604.4051	-0.57708	0.200333	-2.88063	0.003969	0.077902	ENSMUSG00000001566
ENSMUSG0	359.6446	-0.67799	0.235648	-2.87712	0.004013	0.078613	ENSMUSG00000036330
ENSMUSG0	528.3873	-0.40483	0.140901	-2.87313	0.004064	0.079131	ENSMUSG00000020605
ENSMUSG0	1821.888	-0.33048	0.115063	-2.87219	0.004076	0.079285	ENSMUSG00000029482
ENSMUSG0	1810.312	-0.65404	0.227825	-2.87079	0.004094	0.079557	ENSMUSG00000074093
ENSMUSG0	1447.305	-0.45309	0.157896	-2.86955	0.004111	0.079789	ENSMUSG00000022551
ENSMUSG0	471.1145	-0.6748	0.235205	-2.86901	0.004118	0.079845	ENSMUSG00000042269
ENSMUSG0	1182.73	-0.40014	0.139581	-2.86674	0.004147	0.080338	ENSMUSG00000025173
ENSMUSG0	248.1851	-0.69677	0.243098	-2.8662	0.004154	0.080395	ENSMUSG00000025193
ENSMUSG0	8411.626	-0.3939	0.137475	-2.86523	0.004167	0.080478	ENSMUSG00000030082
ENSMUSG0	1066.035	-0.7038	0.246224	-2.85836	0.004258	0.081997	ENSMUSG00000078453
ENSMUSG0	958.3383	-0.60477	0.211839	-2.85484	0.004306	0.082828	ENSMUSG00000024236
ENSMUSG0	499.8384	-0.48802	0.171045	-2.85319	0.004328	0.083175	ENSMUSG00000031951
ENSMUSG0	162.9179	-0.46865	0.164516	-2.84865	0.00439	0.083952	ENSMUSG00000032478
ENSMUSG0	2531.167	-0.4227	0.148474	-2.84695	0.004414	0.084317	ENSMUSG00000028670
ENSMUSG0	597.1953	-0.75321	0.264876	-2.84364	0.00446	0.084945	ENSMUSG00000040562
ENSMUSG0	1381.159	-0.53412	0.187869	-2.84304	0.004469	0.085023	ENSMUSG00000039661
ENSMUSG0	4120.425	-0.43175	0.151973	-2.84093	0.004498	0.085502	ENSMUSG00000002778
ENSMUSG0	1149.808	-1.35684	0.477881	-2.83929	0.004521	0.085689	ENSMUSG00000031919
ENSMUSG0	474.5198	-0.52407	0.184701	-2.83739	0.004548	0.08591	ENSMUSG00000106139
ENSMUSG0	4528.475	-0.47194	0.16641	-2.83599	0.004568	0.086053	ENSMUSG00000068154
ENSMUSG0	1270.703	-0.4124	0.145583	-2.83273	0.004615	0.086698	ENSMUSG00000028098
ENSMUSG0	2001.589	-0.40796	0.144248	-2.82821	0.004681	0.087421	ENSMUSG00000039000
ENSMUSG0	121.1806	-0.65813	0.23287	-2.82615	0.004711	0.087727	ENSMUSG00000031576
ENSMUSG0	990.1689	-0.50445	0.178551	-2.82524	0.004725	0.087893	ENSMUSG00000031985
ENSMUSG0	1199.125	-0.43966	0.155658	-2.82455	0.004735	0.087938	ENSMUSG00000012422
ENSMUSG0	1114.544	-0.3832	0.135731	-2.82327	0.004754	0.088094	ENSMUSG00000048826
ENSMUSG0	2933.278	-0.47154	0.16725	-2.81939	0.004811	0.089079	ENSMUSG00000037580
ENSMUSG0	2811.449	-0.49034	0.174437	-2.81098	0.004939	0.09057	ENSMUSG00000026269
ENSMUSG0	386.8553	-0.37275	0.132696	-2.80908	0.004968	0.090841	ENSMUSG00000029228
ENSMUSG0	241.4323	-0.51345	0.182936	-2.8067	0.005005	0.091347	ENSMUSG00000021203
ENSMUSG0	534.903	-0.42169	0.15031	-2.80549	0.005024	0.091605	ENSMUSG00000074890
ENSMUSG0	108.7444	-0.59668	0.212828	-2.8036	0.005054	0.091968	ENSMUSG00000087200
ENSMUSG0	42474.84	-0.44207	0.158006	-2.79781	0.005145	0.09328	ENSMUSG00000050708

ENSMUSG0	2322.128	-1.12026	0.400768	-2.79528	0.005185	0.093925	ENSMUSG000000027199
ENSMUSG0	474.3077	-0.76279	0.273248	-2.79155	0.005246	0.094791	ENSMUSG000000031490
ENSMUSG0	827.5347	-0.335	0.12016	-2.78794	0.005304	0.095363	ENSMUSG000000029458
ENSMUSG0	5757.755	-0.49758	0.179019	-2.7795	0.005444	0.096993	ENSMUSG000000025871
ENSMUSG0	920.5359	-0.38727	0.139299	-2.78011	0.005434	0.096993	ENSMUSG000000022426
ENSMUSG0	1133.593	-0.49161	0.177067	-2.77642	0.005496	0.097801	ENSMUSG000000093661
ENSMUSG0	850.3353	-0.58407	0.210431	-2.77558	0.00551	0.097856	ENSMUSG000000042638
ENSMUSG0	518.2629	-0.42724	0.154063	-2.77317	0.005551	0.098329	ENSMUSG000000052135
ENSMUSG0	118.6925	-0.68446	0.247287	-2.76787	0.005642	0.09942	ENSMUSG000000117901
ENSMUSG0	851.1423	-0.70812	0.255942	-2.76672	0.005662	0.099562	ENSMUSG000000109321

ntrol islets
Gene.name
Gm10222
Mreg
Tmprss4
Car15
Mt2
Gm17767
Scly
Cln6
Rnf182
Mt1
Cdh7
Emid1
Glul
Kcnj12
Sult1d1
Msln
Fer1l6
Ucn3
Cdhr1
Cyp4f39
Adora1
Prkar2b
Gcgr
Gipr
Ffar1
Ffar3
Th
Mpp3
Rasgrf1
Hpgds
Pla2g2f
Dok5
Slc35d3
Pcsk9
Ogdhl
Dct
Fhdc1
Kcnab3
Asic1
Gpa33
Fam76a
Cib3
Neu1
Fam174b
Galnt14
Zdhhc2
Ripply3
Elovl2
Gm37459
Lrrc10b

Galr1
Muc4
Fmo1
Esyt1
Adh1
B3galt5
Tmem215
T2
Trpm5
Dok7
Cpb2
Rhbdl2
Gpr119
Rab37
Ppp1r3d
Pax6
Ttc28
Creb3l1
Dcaf12l1
Prss53
Marchf4
Dusp18
Cntnap2
Slc2a2
Sytl4
Camk2n1
Cux2
Pdx1
Rfk
Pon2
Cited2
Galnt18
Vwa5b1
Glp1r
Tmigd3
Bpnt1
Slc22a23
Ttyh2
Hspa12a
Sirpa
Fgd2
Comt
Nmt2
Prrt3
Cxxc4
Acad12
Cnot4
Hcn4
Bmp1
Dusp23
Hadh
Entpd3

B830017H08Rik
Ggt7
Nars2
Adra2a
Papola
Dio1
Fras1
Gm30551
Dnajc24
Trp53inp2
Grip1
Mlxip1
Gga2
Slc29a1
4632428C04Rik
Gadd45g
Ina
Pofut2
Qsox2
Lgals12
Carmil3
Olfm4
Tmem135
Frzb
Fam151a
Uox
Mars1
Pi4ka
Paxip1
Flcn
Pcsk4
Slc40a1
Ppp1r1a
Ninj1
Xrcc3
Mlycd
Rims3
Mcf2
Naga
Insig1
Ttc39a
Slc25a44
Impdh1
Ubxn10
Coq10a
D630039A03Rik
Desi1
Tshz1
Denn2b
Mcf2l
Mbd2
B3gnt3

Rab3d
Ydjc
Cntrob
Kcnb1
Cerk
Ppp1r37
Tbc1d22b
Rars2
Tox3
Tram1
Prkcb
Dtnbos
5033430I15Rik
Pkdcc
Papss2
Syne4
A530058N18Rik
Harbi1
Amigo2
Nudt5
Adipor1
Nkx6-1
Neil2
Igfals
Bbs2
Aldh9a1
Atp2a3
Kctd15
Ankrd24
Polr2j
Vipas39
Pxmp4
Cpm
Fancf
Sox12
Smim38
Iffo1
Phactr3
Gm47163
Ldlr
Rnf128
Kdm2b
Sstr3
Phf21b
Atl2
Plk3
Syt2
R3hdm2
Pgap3
Hepacam2
Coro2b
Angel1

Fam210b
Akr1c12
Abcb10
Bhlhe41
Asns
Jph3
H2bc4
Egfr
Slc37a4
Klf9
Gng4
Ceacam1
Krt80
Dele1
Trabd
Ddc
Slc7a5
Fut10
Gm27033
Pctp
Tmem8
Galns
Dbp
Gsr
Efcab1
Gm281
Tspan5
Vamp3
Klhdc8a
Chpt1
Hamp2
Grin2c
Por
Togaram2
Asb11
Socs2
Otoa
Siah2
mt-Rnr2
Lman2
Tmed9
Vstm2l
Pard3
Seph2
Ift172
Pigo
Fam217b
lapp
Dnaic2
G6pc2
Flad1
Sec31a

Dnmt3b
Macroh2a2
Pyroxd2
B3galnt1
Lss
Parp6
Rtkn2
Gjd2
Nkx2-2
Ecsit
Npepl1
Cda
Neurod1
Gns
Dhtkd1
Eva1b
Car10
Lrfrn4
Mnx1
Slc18a1
Hs1bp3
Aacs
Svip
Cyc1
Fam92b
Wdr45b
Cutc
Sec61a1
Abrac1
Svil
Tmem231
Nme6
Lypla2
Gstm2
Dusp26
Kdelr1
Tmed6
Gm30648
Insm1
Rnf115
Ube3c
Kcnu1
Gnpat
Tmem167
Dact2
Gch1
Rnpepl1
Lnx1
Otub2
Lcmt2
Lrp8os3
Ftl1

Gatm
Eif4ebp1
Brap
4833439L19Rik
Josd1
Eif4e3
Gucy2c
Foxo6
AC109619.1
A330076H08Rik

Supplemental Table 5. Differential Gene expression (Fold change) in MIR125B-Tg versus control islets. A

Gene.stable	baseMean	log2FoldCh	lfcSE	stat	pvalue	padj	Gene.stable	Gene.name
ENSMUSG0	138.6825	3.716866	0.253674	14.65211	1.31E-48	2.51E-44	ENSMUSG0	Fat3
ENSMUSG0	1490.665	3.040212	0.220581	13.78272	3.24E-43	3.11E-39	ENSMUSG0	Smoc1
ENSMUSG0	198.817	3.384878	0.277844	12.18265	3.85E-34	2.47E-30	ENSMUSG0	Pgm5
ENSMUSG0	1734.126	1.994993	0.165871	12.02735	2.55E-33	1.23E-29	ENSMUSG0	Crmp1
ENSMUSG0	390.7486	3.344317	0.293119	11.4094	3.75E-30	1.44E-26	ENSMUSG0	Arhgap36
ENSMUSG0	146.1653	3.079677	0.302104	10.1941	2.11E-24	5.79E-21	ENSMUSG0	Kcnk13
ENSMUSG0	251.2401	1.808237	0.209976	8.611653	7.20E-18	1.73E-14	ENSMUSG0	Rasl10b
ENSMUSG0	168.8381	-25.7556	3.026445	-8.51018	1.74E-17	3.71E-14	ENSMUSG0	Gm10222
ENSMUSG0	1005.119	1.82205	0.222651	8.183429	2.76E-16	5.31E-13	ENSMUSG0	Col27a1
ENSMUSG0	38.34937	3.501854	0.430509	8.134211	4.15E-16	7.25E-13	ENSMUSG0	Ism1
ENSMUSG0	507.264	-1.6927	0.208604	-8.11439	4.88E-16	7.83E-13	ENSMUSG0	Mreg
ENSMUSG0	1835.782	1.523574	0.189282	8.049217	8.33E-16	1.23E-12	ENSMUSG0	Calb1
ENSMUSG0	50.46559	3.216379	0.402772	7.985611	1.40E-15	1.92E-12	ENSMUSG0	Slitrk1
ENSMUSG0	472.3598	1.442897	0.181185	7.963678	1.67E-15	2.14E-12	ENSMUSG0	Dcx
ENSMUSG0	253.2093	1.30676	0.164375	7.949894	1.87E-15	2.24E-12	ENSMUSG0	Olfml2b
ENSMUSG0	99.05239	2.189214	0.277006	7.903128	2.72E-15	3.08E-12	ENSMUSG0	Csgalnact1
ENSMUSG0	790.7101	-1.21207	0.15572	-7.78365	7.05E-15	7.53E-12	ENSMUSG0	Tmprss4
ENSMUSG0	32.76213	-23.5188	3.027492	-7.76841	7.95E-15	8.05E-12	ENSMUSG0	Gm13835
ENSMUSG0	74.3047	8.227772	1.069843	7.690632	1.46E-14	1.41E-11	ENSMUSG0	Gm28119
ENSMUSG0	1216.273	-1.87018	0.245709	-7.61137	2.71E-14	2.48E-11	ENSMUSG0	Car15
ENSMUSG0	736.0835	1.467559	0.19375	7.574501	3.61E-14	3.15E-11	ENSMUSG0	Pcp4l1
ENSMUSG0	122.9536	1.818148	0.242149	7.508388	5.99E-14	5.01E-11	ENSMUSG0	Prrg3
ENSMUSG0	67.94812	-2.37217	0.318553	-7.44671	9.57E-14	7.67E-11	ENSMUSG0	Dcdc5
ENSMUSG0	3297.003	-1.62812	0.220792	-7.37398	1.66E-13	1.27E-10	ENSMUSG0	Mt2
ENSMUSG0	350.1123	-1.33319	0.182413	-7.30865	2.70E-13	2.00E-10	ENSMUSG0	Gm17767
ENSMUSG0	2247.599	5.802712	0.814107	7.127705	1.02E-12	7.27E-10	ENSMUSG0	Penk
ENSMUSG0	24.5767	-3.62873	0.512549	-7.07977	1.44E-12	9.92E-10	ENSMUSG0	Gm27168
ENSMUSG0	2634.114	-0.66283	0.095687	-6.92707	4.30E-12	2.85E-09	ENSMUSG0	Scly
ENSMUSG0	117.0218	1.876414	0.273347	6.864584	6.67E-12	4.20E-09	ENSMUSG0	Evc2
ENSMUSG0	410.0945	1.026043	0.149519	6.862304	6.78E-12	4.20E-09	ENSMUSG0	Mvb12b
ENSMUSG0	202.8253	1.65	0.242528	6.803345	1.02E-11	6.14E-09	ENSMUSG0	P3h2
ENSMUSG0	121.7883	2.14367	0.32255	6.646017	3.01E-11	1.76E-08	ENSMUSG0	Srcin1
ENSMUSG0	2818.146	-1.10493	0.166848	-6.6224	3.53E-11	2.00E-08	ENSMUSG0	Cln6
ENSMUSG0	275.6695	1.568706	0.237391	6.608122	3.89E-11	2.14E-08	ENSMUSG0	Arhgap6
ENSMUSG0	414.7326	-1.4326	0.217799	-6.57762	4.78E-11	2.55E-08	ENSMUSG0	Rnf182
ENSMUSG0	8234.2	-1.3713	0.216531	-6.33305	2.40E-10	1.25E-07	ENSMUSG0	Mt1
ENSMUSG0	150.2297	1.761582	0.279167	6.31013	2.79E-10	1.41E-07	ENSMUSG0	Col8a2
ENSMUSG0	244.6037	-1.52722	0.243894	-6.2618	3.81E-10	1.88E-07	ENSMUSG0	Cdh7
ENSMUSG0	291.5371	0.928807	0.151619	6.125937	9.02E-10	4.24E-07	ENSMUSG0	Maml2
ENSMUSG0	684.2777	1.187577	0.193877	6.125408	9.05E-10	4.24E-07	ENSMUSG0	Hspb8
ENSMUSG0	54.40801	1.684055	0.27564	6.109615	9.99E-10	4.57E-07	ENSMUSG0	Clvs1
ENSMUSG0	306.9758	-1.66746	0.273236	-6.10263	1.04E-09	4.67E-07	ENSMUSG0	Emid1
ENSMUSG0	429.6017	1.732518	0.28748	6.026572	1.67E-09	7.32E-07	ENSMUSG0	Tcf24
ENSMUSG0	8256.599	-0.71135	0.119297	-5.9629	2.48E-09	1.06E-06	ENSMUSG0	Glul
ENSMUSG0	106.6827	-1.85865	0.313198	-5.93443	2.95E-09	1.21E-06	ENSMUSG0	Kcnj12
ENSMUSG0	80.43219	-1.45908	0.245894	-5.93375	2.96E-09	1.21E-06	ENSMUSG0	F2
ENSMUSG0	301.5215	1.360225	0.230717	5.895648	3.73E-09	1.50E-06	ENSMUSG0	Col9a2
ENSMUSG0	261.6379	1.625511	0.27587	5.892313	3.81E-09	1.50E-06	ENSMUSG0	Chl1
ENSMUSG0	709.4779	-1.56394	0.266648	-5.8652	4.49E-09	1.73E-06	ENSMUSG0	Sult1d1
ENSMUSG0	242.7509	0.858553	0.146804	5.848295	4.97E-09	1.87E-06	ENSMUSG0	D430019H1

ENSMUSG0	1715.557	-1.38548	0.238547	-5.80801	6.32E-09	2.34E-06	ENSMUSG0 Msln
ENSMUSG0	241.715	-1.57638	0.273729	-5.75891	8.47E-09	3.07E-06	ENSMUSG0 Fer1l6
ENSMUSG0	52.76709	1.668982	0.292303	5.70976	1.13E-08	4.03E-06	ENSMUSG0 Lrrc4
ENSMUSG0	5784.152	-1.19918	0.210349	-5.7009	1.19E-08	4.17E-06	ENSMUSG0 Ucn3
ENSMUSG0	35.18251	-1.89079	0.332484	-5.68685	1.29E-08	4.44E-06	ENSMUSG0 Zfp541
ENSMUSG0	1491.102	-1.22149	0.215379	-5.67135	1.42E-08	4.78E-06	ENSMUSG0 Cdhr1
ENSMUSG0	21.21506	3.29769	0.582206	5.664134	1.48E-08	4.90E-06	ENSMUSG0 Bglap3
ENSMUSG0	169.1685	-2.20143	0.389899	-5.64616	1.64E-08	5.35E-06	ENSMUSG0 Cyp4f39
ENSMUSG0	890.3242	-0.80836	0.143345	-5.63926	1.71E-08	5.48E-06	ENSMUSG0 Adora1
ENSMUSG0	1006.428	0.753958	0.134069	5.623664	1.87E-08	5.90E-06	ENSMUSG0 Usp11
ENSMUSG0	1051.234	-0.90716	0.162102	-5.59624	2.19E-08	6.80E-06	ENSMUSG0 Prkar2b
ENSMUSG0	671.9693	1.099134	0.19782	5.556232	2.76E-08	8.36E-06	ENSMUSG0 Lgi2
ENSMUSG0	808.0731	-1.19963	0.215969	-5.55465	2.78E-08	8.36E-06	ENSMUSG0 Gcgr
ENSMUSG0	3295.781	-0.98566	0.18165	-5.42617	5.76E-08	1.70E-05	ENSMUSG0 Gipr
ENSMUSG0	43.83267	2.24844	0.414909	5.419117	5.99E-08	1.75E-05	ENSMUSG0 Naaladl2
ENSMUSG0	17.80188	3.224469	0.59605	5.409731	6.31E-08	1.81E-05	ENSMUSG0 Adgrf1
ENSMUSG0	273.0023	1.548574	0.286862	5.398326	6.73E-08	1.90E-05	ENSMUSG0 Mfap2
ENSMUSG0	19.31073	2.923221	0.543384	5.379663	7.46E-08	2.08E-05	ENSMUSG0 Grid1
ENSMUSG0	205.8548	1.574452	0.29598	5.319462	1.04E-07	2.86E-05	ENSMUSG0 Doc2b
ENSMUSG0	2004.523	-1.21937	0.229419	-5.31504	1.07E-07	2.89E-05	ENSMUSG0 Ffar1
ENSMUSG0	56.51057	2.006532	0.378994	5.294361	1.19E-07	3.19E-05	ENSMUSG0 Tmc3
ENSMUSG0	223.8219	1.557053	0.295354	5.271828	1.35E-07	3.56E-05	ENSMUSG0 Dpysl5
ENSMUSG0	195.9229	1.430249	0.274129	5.21743	1.81E-07	4.72E-05	ENSMUSG0 Adgrg6
ENSMUSG0	249.6537	-1.39847	0.268492	-5.20862	1.90E-07	4.88E-05	ENSMUSG0 Ffar3
ENSMUSG0	459.6602	1.269103	0.244223	5.196502	2.03E-07	5.14E-05	ENSMUSG0 Ano1
ENSMUSG0	628.8942	-1.74508	0.336068	-5.19262	2.07E-07	5.18E-05	ENSMUSG0 Th
ENSMUSG0	373.5186	-1.22065	0.235975	-5.1728	2.31E-07	5.69E-05	ENSMUSG0 Mpp3
ENSMUSG0	2231.648	-0.82704	0.16012	-5.16517	2.40E-07	5.85E-05	ENSMUSG0 Rasgrf1
ENSMUSG0	254.5789	0.892665	0.173243	5.152674	2.57E-07	6.17E-05	ENSMUSG0 Ppp2r2c
ENSMUSG0	167.4678	-1.33207	0.259053	-5.14207	2.72E-07	6.43E-05	ENSMUSG0 Hpgds
ENSMUSG0	4268.707	-0.76413	0.148655	-5.14029	2.74E-07	6.43E-05	ENSMUSG0 Pla2g2f
ENSMUSG0	123.0628	1.855987	0.361209	5.138266	2.77E-07	6.43E-05	ENSMUSG0 Lsamp
ENSMUSG0	925.6726	1.030984	0.200787	5.134725	2.83E-07	6.47E-05	ENSMUSG0 Pls3
ENSMUSG0	81.23986	1.369261	0.268142	5.106483	3.28E-07	7.43E-05	ENSMUSG0 Lamc3
ENSMUSG0	1501.711	1.482139	0.290655	5.099302	3.41E-07	7.63E-05	ENSMUSG0 Kl
ENSMUSG0	415.0924	1.365802	0.269121	5.075043	3.87E-07	8.57E-05	ENSMUSG0 Card10
ENSMUSG0	372.5205	0.73594	0.145176	5.069301	3.99E-07	8.73E-05	ENSMUSG0 Gucy1b1
ENSMUSG0	1006.17	1.135499	0.224623	5.055135	4.30E-07	9.30E-05	ENSMUSG0 Pygb
ENSMUSG0	103.6202	-0.94475	0.187428	-5.04062	4.64E-07	9.83E-05	ENSMUSG0 Dok5
ENSMUSG0	65.98314	-1.64423	0.326225	-5.04018	4.65E-07	9.83E-05	ENSMUSG0 B3gat2
ENSMUSG0	543.2386	-0.93456	0.185729	-5.03186	4.86E-07	0.000102	ENSMUSG0 Slc35d3
ENSMUSG0	647.3908	-0.6969	0.138798	-5.02094	5.14E-07	0.000106	ENSMUSG0 Pcsk9
ENSMUSG0	3113.363	-0.81448	0.162668	-5.00697	5.53E-07	0.000113	ENSMUSG0 Ogdhl
ENSMUSG0	122.7598	1.182739	0.238492	4.959234	7.08E-07	0.000143	ENSMUSG0 Shroom1
ENSMUSG0	247.4815	-1.37195	0.276735	-4.95763	7.14E-07	0.000143	ENSMUSG0 Dct
ENSMUSG0	24.51063	2.295731	0.463297	4.955208	7.23E-07	0.000143	ENSMUSG0 Hsd11b2
ENSMUSG0	213.3471	1.730589	0.349366	4.953506	7.29E-07	0.000143	ENSMUSG0 Ntm
ENSMUSG0	930.0063	0.961822	0.194226	4.952069	7.34E-07	0.000143	ENSMUSG0 Cdkn1a
ENSMUSG0	167.2571	2.039987	0.412402	4.946593	7.55E-07	0.000145	ENSMUSG0 Pdgfc
ENSMUSG0	510.0305	-0.97093	0.196439	-4.94263	7.71E-07	0.000147	ENSMUSG0 Fhdc1
ENSMUSG0	385.6939	-0.97671	0.197971	-4.9336	8.07E-07	0.000151	ENSMUSG0 Kcnab3
ENSMUSG0	58.57867	3.04835	0.622079	4.900261	9.57E-07	0.000177	ENSMUSG0 Xpnpep2

ENSMUSG0	1300.42	-0.84652	0.172969	-4.89403	9.88E-07	0.000181	ENSMUSG0 Asic1
ENSMUSG0	87.7263	2.361298	0.483951	4.879211	1.07E-06	0.000193	ENSMUSG0 Ccdc141
ENSMUSG0	353.9096	-0.88269	0.181163	-4.87238	1.10E-06	0.000198	ENSMUSG0 Gpa33
ENSMUSG0	211.4015	1.279646	0.262912	4.867208	1.13E-06	0.0002	ENSMUSG0 Spock3
ENSMUSG0	1118.461	-0.50858	0.104506	-4.86652	1.14E-06	0.0002	ENSMUSG0 Fam76a
ENSMUSG0	159.4741	1.952639	0.40284	4.847184	1.25E-06	0.000215	ENSMUSG0 Barx2
ENSMUSG0	541.7583	-1.72504	0.355883	-4.84722	1.25E-06	0.000215	ENSMUSG0 Cib3
ENSMUSG0	2450.015	0.627332	0.129997	4.825752	1.39E-06	0.000237	ENSMUSG0 Gprasp2
ENSMUSG0	52.21465	-2.27319	0.471211	-4.82414	1.41E-06	0.000237	ENSMUSG0 Prr29
ENSMUSG0	2226.48	-0.60604	0.125722	-4.82047	1.43E-06	0.000239	ENSMUSG0 Neu1
ENSMUSG0	7020.673	-0.57645	0.119611	-4.81936	1.44E-06	0.000239	ENSMUSG0 Fam174b
ENSMUSG0	93.02342	1.463984	0.303984	4.815996	1.46E-06	0.000241	ENSMUSG0 Grhl2
ENSMUSG0	193.2263	1.528188	0.317493	4.813294	1.48E-06	0.000242	ENSMUSG0 Mapk4
ENSMUSG0	29.44607	2.469197	0.514193	4.802079	1.57E-06	0.000253	ENSMUSG0 Slc34a2
ENSMUSG0	47.94261	1.534884	0.319689	4.801184	1.58E-06	0.000253	ENSMUSG0 Gm5124
ENSMUSG0	489.2766	0.929802	0.193932	4.794471	1.63E-06	0.000259	ENSMUSG0 Basp1
ENSMUSG0	39.86987	1.882171	0.393279	4.785839	1.70E-06	0.000268	ENSMUSG0 Muc20
ENSMUSG0	80.11495	-1.7004	0.355708	-4.78033	1.75E-06	0.000274	ENSMUSG0 Gm4791
ENSMUSG0	1085.208	-0.8478	0.177878	-4.76618	1.88E-06	0.000291	ENSMUSG0 Galnt14
ENSMUSG0	108.5311	1.707836	0.358441	4.764624	1.89E-06	0.000291	ENSMUSG0 Elavl2
ENSMUSG0	5039.825	-0.82486	0.173247	-4.76118	1.92E-06	0.000294	ENSMUSG0 Zdhhc2
ENSMUSG0	255.7786	0.779849	0.164452	4.742101	2.12E-06	0.000319	ENSMUSG0 Grasp
ENSMUSG0	509.0922	-0.89258	0.188252	-4.74142	2.12E-06	0.000319	ENSMUSG0 Ripply3
ENSMUSG0	57.58346	1.331151	0.28104	4.736518	2.17E-06	0.000324	ENSMUSG0 Svopl
ENSMUSG0	129.3384	0.944496	0.200262	4.716299	2.40E-06	0.000355	ENSMUSG0 Plcd1
ENSMUSG0	901.8591	0.943866	0.200605	4.705104	2.54E-06	0.000373	ENSMUSG0 Ece2
ENSMUSG0	52.19206	1.264278	0.268809	4.703265	2.56E-06	0.000373	ENSMUSG0 Astn2
ENSMUSG0	29.13434	2.506216	0.534975	4.684733	2.80E-06	0.000405	ENSMUSG0 Lrrtm3
ENSMUSG0	332.3911	-0.79457	0.169923	-4.67604	2.92E-06	0.00042	ENSMUSG0 Elovl2
ENSMUSG0	56.46953	1.567452	0.336088	4.663818	3.10E-06	0.000438	ENSMUSG0 Iqsec3
ENSMUSG0	229.5051	1.010165	0.216634	4.663013	3.12E-06	0.000438	ENSMUSG0 Sema4f
ENSMUSG0	209.0445	-1.83581	0.393701	-4.66295	3.12E-06	0.000438	ENSMUSG0 Gm37459
ENSMUSG0	294.4095	1.431732	0.30794	4.649381	3.33E-06	0.000464	ENSMUSG0 Tiam1
ENSMUSG0	203.4629	1.866378	0.401937	4.643457	3.43E-06	0.000474	ENSMUSG0 Stum
ENSMUSG0	95.91608	1.190284	0.256419	4.641951	3.45E-06	0.000474	ENSMUSG0 Nlgn3
ENSMUSG0	73.70876	1.291309	0.278257	4.640702	3.47E-06	0.000474	ENSMUSG0 Chn2
ENSMUSG0	910.0562	1.184392	0.255329	4.638684	3.51E-06	0.000475	ENSMUSG0 Evpl
ENSMUSG0	1762.689	-0.62959	0.136029	-4.62836	3.69E-06	0.000496	ENSMUSG0 Lrrc10b
ENSMUSG0	165.7651	1.414004	0.305717	4.625208	3.74E-06	0.0005	ENSMUSG0 Flrt2
ENSMUSG0	447.753	0.94859	0.205372	4.618892	3.86E-06	0.000512	ENSMUSG0 Agpat4
ENSMUSG0	703.542	0.99574	0.215911	4.611795	3.99E-06	0.000523	ENSMUSG0 Gpld1
ENSMUSG0	199.3365	1.07123	0.232288	4.611648	3.99E-06	0.000523	ENSMUSG0 Csmd2
ENSMUSG0	618.7307	-0.53449	0.11605	-4.60568	4.11E-06	0.000534	ENSMUSG0 Galr1
ENSMUSG0	1019.398	-1.25735	0.273132	-4.60346	4.16E-06	0.000536	ENSMUSG0 Muc4
ENSMUSG0	61.67245	1.232845	0.268026	4.599725	4.23E-06	0.000543	ENSMUSG0 Edil3
ENSMUSG0	263.5385	-1.01906	0.222228	-4.58567	4.53E-06	0.000576	ENSMUSG0 Fmo1
ENSMUSG0	236.0568	0.861316	0.188019	4.581005	4.63E-06	0.000585	ENSMUSG0 Frmd6
ENSMUSG0	5302.406	-0.75336	0.164491	-4.57994	4.65E-06	0.000585	ENSMUSG0 Esyt1
ENSMUSG0	28.29171	1.789872	0.392132	4.56446	5.01E-06	0.000626	ENSMUSG0 Gabrg2
ENSMUSG0	2274.267	-1.24451	0.273086	-4.55721	5.18E-06	0.000642	ENSMUSG0 Adh1
ENSMUSG0	570.1704	-1.07088	0.235094	-4.55513	5.24E-06	0.000642	ENSMUSG0 B3galt5
ENSMUSG0	51.36696	1.495923	0.328455	4.55443	5.25E-06	0.000642	ENSMUSG0 Tlr4

ENSMUSG0	673.4313	1.446421	0.317646	4.553568	5.27E-06	0.000642	ENSMUSG0 Ehf
ENSMUSG0	3173.136	-0.97596	0.214423	-4.55157	5.32E-06	0.000643	ENSMUSG0 Tmem215
ENSMUSG0	50.46709	1.96065	0.43085	4.550658	5.35E-06	0.000643	ENSMUSG0 Dab1
ENSMUSG0	59.83762	1.279566	0.28133	4.548279	5.41E-06	0.000646	ENSMUSG0 Brinp2
ENSMUSG0	273.353	0.784784	0.172906	4.53878	5.66E-06	0.00067	ENSMUSG0 Tnfrsf12a
ENSMUSG0	76.16125	1.326238	0.292252	4.538002	5.68E-06	0.00067	ENSMUSG0 Fstl5
ENSMUSG0	69.80328	1.491469	0.328873	4.535091	5.76E-06	0.000675	ENSMUSG0 Cpne7
ENSMUSG0	45.33525	1.80692	0.398615	4.532991	5.82E-06	0.000678	ENSMUSG0 Ltzt1
ENSMUSG0	230.2763	-1.33716	0.295106	-4.5311	5.87E-06	0.00068	ENSMUSG0 T2
ENSMUSG0	2745.117	-1.60357	0.35477	-4.52003	6.18E-06	0.000712	ENSMUSG0 Trpm5
ENSMUSG0	3383.428	0.519836	0.11511	4.515999	6.30E-06	0.000722	ENSMUSG0 Scd2
ENSMUSG0	110.3767	-1.5099	0.335207	-4.50438	6.66E-06	0.000756	ENSMUSG0 Dok7
ENSMUSG0	274.2833	1.288612	0.286123	4.503694	6.68E-06	0.000756	ENSMUSG0 Tro
ENSMUSG0	511.56	1.511089	0.335705	4.501244	6.76E-06	0.00076	ENSMUSG0 Map1a
ENSMUSG0	26.155	2.398613	0.533718	4.49416	6.98E-06	0.000777	ENSMUSG0 Tacr3
ENSMUSG0	113.1235	0.915411	0.203692	4.4941	6.99E-06	0.000777	ENSMUSG0 Fam13c
ENSMUSG0	366.2209	0.98583	0.219588	4.489453	7.14E-06	0.000786	ENSMUSG0 Nr2f2
ENSMUSG0	319.2991	-1.10512	0.246172	-4.4892	7.15E-06	0.000786	ENSMUSG0 Cpb2
ENSMUSG0	192.5103	0.82079	0.183975	4.461422	8.14E-06	0.000886	ENSMUSG0 Pvr
ENSMUSG0	149.6237	2.099293	0.470578	4.461095	8.15E-06	0.000886	ENSMUSG0 Aldh1a3
ENSMUSG0	267.8859	-0.87924	0.197414	-4.45377	8.44E-06	0.000912	ENSMUSG0 Rhbdl2
ENSMUSG0	116.8741	1.789892	0.402369	4.448386	8.65E-06	0.000928	ENSMUSG0 Nmnat2
ENSMUSG0	401.1637	1.234156	0.277485	4.447654	8.68E-06	0.000928	ENSMUSG0 Fmo2
ENSMUSG0	488.3851	-1.11233	0.2502	-4.44577	8.76E-06	0.000931	ENSMUSG0 Gpr119
ENSMUSG0	20.89619	3.345897	0.75357	4.440063	8.99E-06	0.000951	ENSMUSG0 Cdh23
ENSMUSG0	3250.68	-0.87097	0.196359	-4.43558	9.18E-06	0.000965	ENSMUSG0 Rab37
ENSMUSG0	413.0213	1.077107	0.242974	4.433021	9.29E-06	0.000971	ENSMUSG0 Kcnq1
ENSMUSG0	512.2147	0.896307	0.20237	4.429055	9.46E-06	0.000979	ENSMUSG0 Rab3c
ENSMUSG0	319.7171	1.150715	0.259801	4.429212	9.46E-06	0.000979	ENSMUSG0 Ncs1
ENSMUSG0	2262.754	0.724127	0.16388	4.41864	9.93E-06	0.001022	ENSMUSG0 Mapt
ENSMUSG0	48.33415	-1.72559	0.390886	-4.41455	1.01E-05	0.001036	ENSMUSG0 Mmp12
ENSMUSG0	7.32381	4.276549	0.970121	4.408263	1.04E-05	0.001061	ENSMUSG0 Ccer2
ENSMUSG0	222.0416	-0.76053	0.172693	-4.40394	1.06E-05	0.001076	ENSMUSG0 Ppp1r3d
ENSMUSG0	9.497734	5.810868	1.31987	4.402606	1.07E-05	0.001077	ENSMUSG0 Methig1
ENSMUSG0	3.844497	5.119848	1.163218	4.401451	1.08E-05	0.001077	ENSMUSG0 Mmp8
ENSMUSG0	83.37342	1.789755	0.407561	4.391374	1.13E-05	0.001123	ENSMUSG0 Ncam2
ENSMUSG0	22.01836	2.129925	0.485415	4.387845	1.14E-05	0.001135	ENSMUSG0 Gjb3
ENSMUSG0	24.95793	2.548124	0.581889	4.379053	1.19E-05	0.001176	ENSMUSG0 Chrna7
ENSMUSG0	761.1051	1.086336	0.248446	4.372525	1.23E-05	0.001205	ENSMUSG0 Wwc1
ENSMUSG0	1098.458	0.582443	0.133344	4.367956	1.25E-05	0.001225	ENSMUSG0 Magee1
ENSMUSG0	83.72635	2.339792	0.536931	4.357712	1.31E-05	0.001277	ENSMUSG0 Krt17
ENSMUSG0	212.382	1.916044	0.439819	4.356438	1.32E-05	0.001278	ENSMUSG0 Slc5a7
ENSMUSG0	487.8455	0.822106	0.188863	4.352921	1.34E-05	0.001292	ENSMUSG0 Vopp1
ENSMUSG0	98.48895	1.30305	0.299646	4.348636	1.37E-05	0.001304	ENSMUSG0 Fam171a2
ENSMUSG0	463.8419	1.178519	0.270972	4.349235	1.37E-05	0.001304	ENSMUSG0 Kif5a
ENSMUSG0	6122.919	-0.6249	0.143749	-4.34717	1.38E-05	0.001307	ENSMUSG0 Pax6
ENSMUSG0	1464.475	-0.75279	0.173289	-4.34412	1.40E-05	0.001319	ENSMUSG0 Ttc28
ENSMUSG0	175.5514	1.158376	0.266753	4.34251	1.41E-05	0.001321	ENSMUSG0 Lratd1
ENSMUSG0	377.0708	1.790206	0.412337	4.341607	1.41E-05	0.001321	ENSMUSG0 Onecut2
ENSMUSG0	211.1917	1.016935	0.234473	4.337102	1.44E-05	0.001342	ENSMUSG0 Gm2115
ENSMUSG0	77.43543	1.604984	0.370553	4.331316	1.48E-05	0.001371	ENSMUSG0 Gm49027
ENSMUSG0	7789.219	0.79337	0.183288	4.328556	1.50E-05	0.001381	ENSMUSG0 Gprasp1

ENSMUSG0	78.40004	-1.20264	0.278052	-4.32524	1.52E-05	0.001396	ENSMUSG0 Lmo1
ENSMUSG0	42.88773	1.767821	0.40894	4.322938	1.54E-05	0.001397	ENSMUSG0 Mrap2
ENSMUSG0	380.9793	1.548203	0.358397	4.319798	1.56E-05	0.00141	ENSMUSG0 Tgfb3
ENSMUSG0	171.885	1.041721	0.241638	4.311084	1.62E-05	0.001453	ENSMUSG0 Dram1
ENSMUSG0	150.6943	2.186056	0.506979	4.31193	1.62E-05	0.001453	ENSMUSG0 Mybpc2
ENSMUSG0	61.79034	-1.13089	0.262653	-4.30563	1.67E-05	0.001483	ENSMUSG0 Aqp7
ENSMUSG0	1466.389	-0.57302	0.133173	-4.30281	1.69E-05	0.001495	ENSMUSG0 Creb3l1
ENSMUSG0	16588.46	-0.63021	0.146874	-4.29079	1.78E-05	0.001564	ENSMUSG0 Prss53
ENSMUSG0	1224.568	-0.83051	0.19353	-4.29138	1.78E-05	0.001564	ENSMUSG0 Dcaf12l1
ENSMUSG0	82.64092	-1.10733	0.258611	-4.28184	1.85E-05	0.001615	ENSMUSG0 Eci3
ENSMUSG0	127.0854	0.939064	0.219326	4.28158	1.86E-05	0.001615	ENSMUSG0 Mob3b
ENSMUSG0	524.2121	1.166634	0.272786	4.276737	1.90E-05	0.001643	ENSMUSG0 Clmn
ENSMUSG0	78.01519	-1.57001	0.367439	-4.27286	1.93E-05	0.001663	ENSMUSG0 Gm33447
ENSMUSG0	76.2233	1.246819	0.291855	4.272051	1.94E-05	0.001663	ENSMUSG0 Cacng7
ENSMUSG0	682.0281	-0.6951	0.162968	-4.26526	2.00E-05	0.001699	ENSMUSG0 Marchf4
ENSMUSG0	38.27339	2.412415	0.566281	4.260103	2.04E-05	0.001722	ENSMUSG0 Phf24
ENSMUSG0	32.45887	1.488885	0.349516	4.259841	2.05E-05	0.001722	ENSMUSG0 Plppr3
ENSMUSG0	2015.622	0.654796	0.153765	4.258429	2.06E-05	0.001722	ENSMUSG0 Map4
ENSMUSG0	991.6855	-0.50497	0.118573	-4.25868	2.06E-05	0.001722	ENSMUSG0 Dusp18
ENSMUSG0	117.9336	1.686011	0.396457	4.252698	2.11E-05	0.001759	ENSMUSG0 Fam124a
ENSMUSG0	684.6723	-0.88442	0.208068	-4.25063	2.13E-05	0.001767	ENSMUSG0 Cntnap2
ENSMUSG0	7202.972	-0.94881	0.223411	-4.24695	2.17E-05	0.001777	ENSMUSG0 Slc2a2
ENSMUSG0	307.8268	1.048834	0.246986	4.246541	2.17E-05	0.001777	ENSMUSG0 Me3
ENSMUSG0	4046.323	-0.77873	0.183381	-4.2465	2.17E-05	0.001777	ENSMUSG0 Sytl4
ENSMUSG0	14125.28	-0.93838	0.22116	-4.24298	2.21E-05	0.001798	ENSMUSG0 Camk2n1
ENSMUSG0	516.284	1.388025	0.327603	4.236916	2.27E-05	0.001839	ENSMUSG0 Col18a1
ENSMUSG0	70.78963	1.392208	0.329047	4.231036	2.33E-05	0.00188	ENSMUSG0 Stx1b
ENSMUSG0	734.8633	-0.94616	0.223801	-4.22771	2.36E-05	0.001898	ENSMUSG0 Cux2
ENSMUSG0	178.0177	1.1075	0.262002	4.227059	2.37E-05	0.001898	ENSMUSG0 Abtb2
ENSMUSG0	3321.522	0.604405	0.143051	4.225099	2.39E-05	0.001901	ENSMUSG0 Cd81
ENSMUSG0	45.01743	-1.39493	0.330175	-4.22483	2.39E-05	0.001901	ENSMUSG0 9230112J11
ENSMUSG0	53.52711	1.064802	0.252258	4.221085	2.43E-05	0.001925	ENSMUSG0 Sh3tc2
ENSMUSG0	13.88828	2.357145	0.558603	4.219714	2.45E-05	0.001928	ENSMUSG0 Tmem132c
ENSMUSG0	2581.911	-0.67826	0.161681	-4.19506	2.73E-05	0.002142	ENSMUSG0 Pdx1
ENSMUSG0	2275.802	-0.58364	0.139161	-4.19403	2.74E-05	0.002143	ENSMUSG0 Rfk
ENSMUSG0	769.1735	0.999195	0.238309	4.192862	2.75E-05	0.002145	ENSMUSG0 Lamb2
ENSMUSG0	5.884945	5.101295	1.220689	4.17903	2.93E-05	0.002271	ENSMUSG0 Agtr2
ENSMUSG0	83.62399	-1.26401	0.303765	-4.16113	3.17E-05	0.002446	ENSMUSG0 Gm16174
ENSMUSG0	31.68412	-2.27793	0.550081	-4.14108	3.46E-05	0.00266	ENSMUSG0 Fam166a
ENSMUSG0	598.5929	1.276309	0.308432	4.138055	3.50E-05	0.002684	ENSMUSG0 Dpp10
ENSMUSG0	291.2628	1.063895	0.257233	4.13592	3.54E-05	0.002699	ENSMUSG0 Ptpn14
ENSMUSG0	24.31091	-1.51789	0.368055	-4.12407	3.72E-05	0.00283	ENSMUSG0 Pxt1
ENSMUSG0	376.7953	1.917073	0.464961	4.123087	3.74E-05	0.002831	ENSMUSG0 Dlk1
ENSMUSG0	582.6933	0.802318	0.194653	4.121774	3.76E-05	0.002836	ENSMUSG0 Ppl
ENSMUSG0	1584.956	0.478117	0.116151	4.116324	3.85E-05	0.002881	ENSMUSG0 Pex5l
ENSMUSG0	753.2934	-0.61232	0.148749	-4.1165	3.85E-05	0.002881	ENSMUSG0 Pon2
ENSMUSG0	26.39838	7.888301	1.917754	4.113303	3.90E-05	0.002908	ENSMUSG0 Gm2436
ENSMUSG0	1875.154	-1.05967	0.258009	-4.10712	4.01E-05	0.002975	ENSMUSG0 Cited2
ENSMUSG0	484.6715	0.776445	0.189292	4.101826	4.10E-05	0.003025	ENSMUSG0 Ephb4
ENSMUSG0	286.3673	1.015468	0.247614	4.101008	4.11E-05	0.003025	ENSMUSG0 Magi3
ENSMUSG0	175.2635	1.239206	0.302198	4.100639	4.12E-05	0.003025	ENSMUSG0 Evc
ENSMUSG0	1322.205	-0.75632	0.18465	-4.09597	4.20E-05	0.00307	ENSMUSG0 Galnt18

ENSMUSG0	404.4994	0.973625	0.237733	4.095447	4.21E-05	0.00307	ENSMUSG0 St6galnac2
ENSMUSG0	102.3842	-1.38207	0.337609	-4.09369	4.25E-05	0.003082	ENSMUSG0 Vwa5b1
ENSMUSG0	1820.592	1.054818	0.257857	4.090705	4.30E-05	0.00311	ENSMUSG0 Tmem59l
ENSMUSG0	9270.607	-0.81041	0.198271	-4.08736	4.36E-05	0.003143	ENSMUSG0 Glp1r
ENSMUSG0	189.7407	-1.63719	0.400918	-4.08362	4.43E-05	0.003183	ENSMUSG0 Tmigd3
ENSMUSG0	170.8976	1.90313	0.466369	4.080742	4.49E-05	0.003202	ENSMUSG0 Cdh6
ENSMUSG0	16.5731	2.273955	0.557281	4.080445	4.49E-05	0.003202	ENSMUSG0 Tchh
ENSMUSG0	13.74941	2.110501	0.51848	4.07055	4.69E-05	0.003329	ENSMUSG0 Ccdc60
ENSMUSG0	212.5629	1.155782	0.284065	4.068726	4.73E-05	0.003343	ENSMUSG0 Hr
ENSMUSG0	13.4542	2.333436	0.573871	4.066137	4.78E-05	0.003368	ENSMUSG0 Klhl41
ENSMUSG0	2287.464	-0.52416	0.128945	-4.06503	4.80E-05	0.003372	ENSMUSG0 Bpnt1
ENSMUSG0	1643.61	1.134111	0.279821	4.05298	5.06E-05	0.003535	ENSMUSG0 Tubb3
ENSMUSG0	187.6402	1.179568	0.291089	4.052261	5.07E-05	0.003535	ENSMUSG0 Prdm16
ENSMUSG0	265.2194	0.90233	0.223108	4.044363	5.25E-05	0.003643	ENSMUSG0 Hmgb3
ENSMUSG0	1638.02	0.638899	0.158016	4.043264	5.27E-05	0.003646	ENSMUSG0 Itga3
ENSMUSG0	395.197	1.714935	0.424226	4.042499	5.29E-05	0.003646	ENSMUSG0 Nos1
ENSMUSG0	1568.195	-0.83451	0.206728	-4.03675	5.42E-05	0.003723	ENSMUSG0 Slc22a23
ENSMUSG0	67.14524	1.835854	0.455273	4.032429	5.52E-05	0.003779	ENSMUSG0 Crp
ENSMUSG0	1347.77	-0.43156	0.107111	-4.02905	5.60E-05	0.003811	ENSMUSG0 Ttyh2
ENSMUSG0	187.9453	1.082063	0.268583	4.028788	5.61E-05	0.003811	ENSMUSG0 Adamtsl4
ENSMUSG0	265.9452	1.075967	0.267267	4.025809	5.68E-05	0.003846	ENSMUSG0 Sema3b
ENSMUSG0	164.0894	1.106915	0.275102	4.023651	5.73E-05	0.003868	ENSMUSG0 Kcna6
ENSMUSG0	2489.745	0.765707	0.190482	4.019832	5.82E-05	0.003917	ENSMUSG0 Vat1l
ENSMUSG0	409.7879	1.048962	0.261134	4.01695	5.90E-05	0.003926	ENSMUSG0 Mmp14
ENSMUSG0	84.2938	1.207853	0.300693	4.016902	5.90E-05	0.003926	ENSMUSG0 Atp10a
ENSMUSG0	343.6793	1.381093	0.343827	4.016828	5.90E-05	0.003926	ENSMUSG0 Syt1
ENSMUSG0	83.28901	1.526401	0.380186	4.01488	5.95E-05	0.003945	ENSMUSG0 Astn1
ENSMUSG0	232.7981	0.896708	0.223424	4.013483	5.98E-05	0.003945	ENSMUSG0 Phlda3
ENSMUSG0	586.7061	-0.74885	0.186593	-4.01326	5.99E-05	0.003945	ENSMUSG0 Hspa12a
ENSMUSG0	2926.07	-0.49769	0.124039	-4.01236	6.01E-05	0.003947	ENSMUSG0 Sirpa
ENSMUSG0	80.06282	1.202683	0.299896	4.010335	6.06E-05	0.003967	ENSMUSG0 Lix1
ENSMUSG0	2180.982	0.941767	0.235246	4.003334	6.25E-05	0.004073	ENSMUSG0 Kif5c
ENSMUSG0	104.7635	1.343698	0.336173	3.99704	6.41E-05	0.004168	ENSMUSG0 Inhba
ENSMUSG0	67.9003	1.072221	0.268615	3.991667	6.56E-05	0.004249	ENSMUSG0 Gm42372
ENSMUSG0	216.8176	1.080473	0.270861	3.989032	6.63E-05	0.004268	ENSMUSG0 Plce1
ENSMUSG0	69.82612	1.803422	0.452071	3.989246	6.63E-05	0.004268	ENSMUSG0 Islr2
ENSMUSG0	94.37594	1.278628	0.321038	3.98279	6.81E-05	0.004367	ENSMUSG0 Col8a1
ENSMUSG0	27.04586	1.82484	0.458393	3.980951	6.86E-05	0.004387	ENSMUSG0 Gabrg1
ENSMUSG0	168.8403	2.286119	0.57446	3.979594	6.90E-05	0.004397	ENSMUSG0 Gm830
ENSMUSG0	670.3297	0.765259	0.192353	3.978409	6.94E-05	0.004404	ENSMUSG0 Palm
ENSMUSG0	1094.913	-0.6158	0.154899	-3.97549	7.02E-05	0.004444	ENSMUSG0 Fgd2
ENSMUSG0	11.67347	2.345437	0.590221	3.973825	7.07E-05	0.004459	ENSMUSG0 Ntng1
ENSMUSG0	314.3835	1.28458	0.323318	3.973118	7.09E-05	0.004459	ENSMUSG0 Cldn2
ENSMUSG0	119.33	1.339021	0.337141	3.971691	7.14E-05	0.004472	ENSMUSG0 D630003M
ENSMUSG0	92.32775	1.688929	0.425507	3.969214	7.21E-05	0.004504	ENSMUSG0 Sftpd
ENSMUSG0	1535.813	-0.64019	0.161341	-3.96792	7.25E-05	0.004513	ENSMUSG0 Comt
ENSMUSG0	32.82761	1.760835	0.443944	3.966345	7.30E-05	0.004519	ENSMUSG0 Kif26b
ENSMUSG0	244.9037	0.958885	0.241772	3.966078	7.31E-05	0.004519	ENSMUSG0 Ptgs1
ENSMUSG0	7.871986	2.815155	0.71118	3.95843	7.54E-05	0.004651	ENSMUSG0 Hmx3
ENSMUSG0	28.33103	1.976679	0.50164	3.940434	8.13E-05	0.004999	ENSMUSG0 Erbb4
ENSMUSG0	297.9102	1.003456	0.254938	3.936084	8.28E-05	0.005074	ENSMUSG0 Crim1
ENSMUSG0	29.2854	-1.14345	0.29069	-3.93358	8.37E-05	0.005111	ENSMUSG0 E030042O2

ENSMUSG0	135.5481	0.940321	0.239321	3.929123	8.53E-05	0.00519	ENSMUSG0 Vill
ENSMUSG0	1484.795	-0.46079	0.117321	-3.92757	8.58E-05	0.005207	ENSMUSG0 Nmt2
ENSMUSG0	1745.169	-0.69556	0.177358	-3.92179	8.79E-05	0.005315	ENSMUSG0 Cxxc4
ENSMUSG0	119.6566	-1.00533	0.256388	-3.92113	8.81E-05	0.005315	ENSMUSG0 Prrt3
ENSMUSG0	217.5163	0.963797	0.245907	3.91935	8.88E-05	0.005329	ENSMUSG0 Gpm6b
ENSMUSG0	9.865209	3.607837	0.920605	3.918984	8.89E-05	0.005329	ENSMUSG0 Capn13
ENSMUSG0	676.0435	-0.39855	0.101758	-3.91667	8.98E-05	0.005344	ENSMUSG0 Cnot4
ENSMUSG0	746.8173	0.996645	0.254497	3.916138	9.00E-05	0.005344	ENSMUSG0 Igfbp5
ENSMUSG0	453.7509	-0.47408	0.12106	-3.91605	9.00E-05	0.005344	ENSMUSG0 Acad12
ENSMUSG0	208.4947	0.88066	0.225034	3.91346	9.10E-05	0.005385	ENSMUSG0 Kcna2
ENSMUSG0	110.6593	0.943504	0.241332	3.909569	9.25E-05	0.005456	ENSMUSG0 Gng7
ENSMUSG0	61.57438	1.492642	0.381986	3.907587	9.32E-05	0.005484	ENSMUSG0 Adcy2
ENSMUSG0	13.1871	2.329032	0.596212	3.906382	9.37E-05	0.005488	ENSMUSG0 Gp9
ENSMUSG0	453.9596	-0.8594	0.220024	-3.90594	9.39E-05	0.005488	ENSMUSG0 Hcn4
ENSMUSG0	2566.336	-0.76939	0.197058	-3.90437	9.45E-05	0.005507	ENSMUSG0 Bmp1
ENSMUSG0	487.9728	-0.74764	0.191538	-3.90335	9.49E-05	0.005513	ENSMUSG0 Dusp23
ENSMUSG0	8.445672	-5.03266	1.290384	-3.90012	9.61E-05	0.005571	ENSMUSG0 Capn11
ENSMUSG0	69.56376	1.489961	0.383195	3.88826	0.000101	0.005812	ENSMUSG0 Alk
ENSMUSG0	17.33677	2.225512	0.572421	3.887892	0.000101	0.005812	ENSMUSG0 Sema3d
ENSMUSG0	11633.65	-0.68794	0.176954	-3.88767	0.000101	0.005812	ENSMUSG0 Hadh
ENSMUSG0	209.9261	1.032934	0.266034	3.882712	0.000103	0.005914	ENSMUSG0 Dync1i1
ENSMUSG0	467.2436	0.61237	0.157792	3.880875	0.000104	0.005926	ENSMUSG0 Rab31
ENSMUSG0	2771.241	-0.68324	0.176059	-3.88075	0.000104	0.005926	ENSMUSG0 Entpd3
ENSMUSG0	105.8912	1.862947	0.48037	3.87815	0.000105	0.005972	ENSMUSG0 Aqp5
ENSMUSG0	125.5932	0.93469	0.241254	3.874304	0.000107	0.00605	ENSMUSG0 Dock4
ENSMUSG0	686.2555	-0.67971	0.175756	-3.86733	0.00011	0.006203	ENSMUSG0 Ggt7
ENSMUSG0	2579.375	-0.77343	0.200018	-3.86679	0.00011	0.006203	ENSMUSG0 B830017HC
ENSMUSG0	5.555889	4.474819	1.157762	3.86506	0.000111	0.006229	ENSMUSG0 Pcdha6
ENSMUSG0	100.1972	1.469228	0.380341	3.862926	0.000112	0.006265	ENSMUSG0 Scnn1a
ENSMUSG0	17.42853	-4.38758	1.136419	-3.86089	0.000113	0.006299	ENSMUSG0 Mucl3
ENSMUSG0	806.3161	0.997583	0.258629	3.857198	0.000115	0.006376	ENSMUSG0 Sult4a1
ENSMUSG0	92.8928	-1.07473	0.278695	-3.85629	0.000115	0.006382	ENSMUSG0 Mcoln3
ENSMUSG0	267.349	1.243808	0.322708	3.854276	0.000116	0.006405	ENSMUSG0 Neurog3
ENSMUSG0	318.1313	-0.66302	0.172302	-3.848	0.000119	0.006541	ENSMUSG0 Nars2
ENSMUSG0	3236.193	-0.509	0.132296	-3.84745	0.000119	0.006541	ENSMUSG0 Adra2a
ENSMUSG0	3216.902	-0.45163	0.117522	-3.84293	0.000122	0.006609	ENSMUSG0 Papola
ENSMUSG0	15.39822	3.81779	0.993477	3.842857	0.000122	0.006609	ENSMUSG0 Serpinb5
ENSMUSG0	61.73882	1.487218	0.387013	3.842813	0.000122	0.006609	ENSMUSG0 Tent5b
ENSMUSG0	34.12222	1.861606	0.484645	3.841172	0.000122	0.006635	ENSMUSG0 Cntnap5a
ENSMUSG0	43.84624	1.085548	0.283038	3.835348	0.000125	0.006775	ENSMUSG0 Fstl4
ENSMUSG0	48.68569	1.858499	0.484859	3.833068	0.000127	0.006819	ENSMUSG0 Pcdh7
ENSMUSG0	94.88469	1.808244	0.471936	3.831548	0.000127	0.006842	ENSMUSG0 Olfr78
ENSMUSG0	34.48397	1.563258	0.408428	3.827502	0.000129	0.006918	ENSMUSG0 Zfp385b
ENSMUSG0	2165.926	-0.90591	0.236686	-3.82747	0.000129	0.006918	ENSMUSG0 Dio1
ENSMUSG0	270.0559	0.841986	0.220156	3.824502	0.000131	0.006982	ENSMUSG0 Iffo2
ENSMUSG0	921.1319	0.967731	0.253223	3.821649	0.000133	0.007038	ENSMUSG0 Pik3ap1
ENSMUSG0	68.77536	-0.80469	0.210587	-3.82119	0.000133	0.007038	ENSMUSG0 Gm46565
ENSMUSG0	37.98912	2.240835	0.587019	3.81731	0.000135	0.00713	ENSMUSG0 Wnt7a
ENSMUSG0	513.9152	-0.75784	0.198786	-3.81234	0.000138	0.007255	ENSMUSG0 Fras1
ENSMUSG0	19.00261	2.143456	0.562848	3.80823	0.00014	0.007356	ENSMUSG0 Chrna5
ENSMUSG0	366.739	1.01032	0.265347	3.807542	0.00014	0.007357	ENSMUSG0 Sema3c
ENSMUSG0	133.8961	1.249642	0.328295	3.806461	0.000141	0.007369	ENSMUSG0 Tmem37

ENSMUSG0	97.55312	1.590457	0.418084	3.804155	0.000142	0.007418	ENSMUSG0 Nrcam
ENSMUSG0	92.48814	1.08202	0.284999	3.796568	0.000147	0.007628	ENSMUSG0 Masp1
ENSMUSG0	400.5246	0.758361	0.199791	3.795782	0.000147	0.007631	ENSMUSG0 Igtp
ENSMUSG0	22.28177	1.878851	0.495419	3.792448	0.000149	0.007677	ENSMUSG0 Gm42517
ENSMUSG0	24.34278	2.409488	0.635474	3.79164	0.00015	0.007677	ENSMUSG0 Atp2b3
ENSMUSG0	91.33868	1.38852	0.366331	3.790339	0.00015	0.007677	ENSMUSG0 Slc28a3
ENSMUSG0	2549.875	0.661997	0.174663	3.790144	0.000151	0.007677	ENSMUSG0 Ncald
ENSMUSG0	185.043	-1.43871	0.379604	-3.79004	0.000151	0.007677	ENSMUSG0 Gm30551
ENSMUSG0	867.4248	0.50046	0.13206	3.789657	0.000151	0.007677	ENSMUSG0 Arvcf
ENSMUSG0	79.86544	1.656961	0.437348	3.788659	0.000151	0.007687	ENSMUSG0 Begain
ENSMUSG0	237.4896	0.719325	0.190184	3.782261	0.000155	0.00784	ENSMUSG0 Pak6
ENSMUSG0	19.43088	1.976898	0.522714	3.78199	0.000156	0.00784	ENSMUSG0 Chat
ENSMUSG0	33.99789	1.685643	0.445724	3.781808	0.000156	0.00784	ENSMUSG0 Shisa7
ENSMUSG0	103.7901	0.969269	0.256472	3.77924	0.000157	0.007901	ENSMUSG0 Il17rd
ENSMUSG0	30.91561	1.567293	0.415457	3.772459	0.000162	0.008097	ENSMUSG0 Slc25a48
ENSMUSG0	10.26131	3.023182	0.802259	3.768334	0.000164	0.008211	ENSMUSG0 Cers3
ENSMUSG0	459.5147	-1.1524	0.306076	-3.76506	0.000167	0.008298	ENSMUSG0 Dnajc24
ENSMUSG0	132.5359	1.128278	0.299748	3.764087	0.000167	0.008309	ENSMUSG0 Col4a5
ENSMUSG0	7116.982	-0.48395	0.128595	-3.76335	0.000168	0.008312	ENSMUSG0 Trp53inp2
ENSMUSG0	80.54039	-1.26194	0.335391	-3.7626	0.000168	0.008315	ENSMUSG0 Mslnl
ENSMUSG0	294.5501	-0.77768	0.207154	-3.7541	0.000174	0.00858	ENSMUSG0 Grip1
ENSMUSG0	2143.652	-0.50085	0.133611	-3.74854	0.000178	0.008742	ENSMUSG0 Gga2
ENSMUSG0	6227.288	-0.86559	0.230939	-3.74814	0.000178	0.008742	ENSMUSG0 Mlxipl
ENSMUSG0	3202.753	-0.41108	0.109734	-3.74611	0.00018	0.008791	ENSMUSG0 Slc29a1
ENSMUSG0	270.3938	-0.86242	0.230353	-3.7439	0.000181	0.008831	ENSMUSG0 4632428C0
ENSMUSG0	118.2526	0.889449	0.237586	3.7437	0.000181	0.008831	ENSMUSG0 Mex3a
ENSMUSG0	166.7061	0.980378	0.262033	3.741434	0.000183	0.008888	ENSMUSG0 Prag1
ENSMUSG0	985.6339	0.989898	0.264762	3.738816	0.000185	0.008958	ENSMUSG0 Myrf
ENSMUSG0	726.2192	0.870143	0.232855	3.73684	0.000186	0.009006	ENSMUSG0 Prss23
ENSMUSG0	82.19662	1.162817	0.311731	3.730189	0.000191	0.009224	ENSMUSG0 Ttbk1
ENSMUSG0	198.7828	1.00037	0.268511	3.725621	0.000195	0.00937	ENSMUSG0 Adam23
ENSMUSG0	2710.819	-0.88213	0.236924	-3.72326	0.000197	0.009403	ENSMUSG0 Gadd45g
ENSMUSG0	251.5585	0.690377	0.185428	3.723157	0.000197	0.009403	ENSMUSG0 Rnft2
ENSMUSG0	492.9616	0.642654	0.172624	3.722846	0.000197	0.009403	ENSMUSG0 Snap91
ENSMUSG0	1001.269	-0.38058	0.102257	-3.7218	0.000198	0.009418	ENSMUSG0 Ina
ENSMUSG0	8851.09	0.493706	0.132698	3.720524	0.000199	0.009436	ENSMUSG0 App
ENSMUSG0	2552.041	0.751045	0.201889	3.720094	0.000199	0.009436	ENSMUSG0 Alcam
ENSMUSG0	3397.862	-0.47073	0.126634	-3.71727	0.000201	0.009518	ENSMUSG0 Pofut2
ENSMUSG0	1891.319	-0.50736	0.136573	-3.7149	0.000203	0.009584	ENSMUSG0 Qsox2
ENSMUSG0	340.7837	-1.06561	0.286928	-3.71386	0.000204	0.009597	ENSMUSG0 Lgals12
ENSMUSG0	52.91919	2.146157	0.577962	3.713319	0.000205	0.009597	ENSMUSG0 Adgrb2
ENSMUSG0	103.0187	1.676264	0.451569	3.712089	0.000206	0.009617	ENSMUSG0 Tub
ENSMUSG0	1089.562	0.679805	0.183159	3.711566	0.000206	0.009617	ENSMUSG0 Myh10
ENSMUSG0	901.6105	1.001231	0.270095	3.706952	0.00021	0.00977	ENSMUSG0 Mmp15
ENSMUSG0	116.2129	1.010498	0.27283	3.70376	0.000212	0.00987	ENSMUSG0 Enpp3
ENSMUSG0	1422.172	-0.55726	0.150613	-3.69998	0.000216	0.009994	ENSMUSG0 Carmil3
ENSMUSG0	250.3135	0.633847	0.171554	3.694729	0.00022	0.010178	ENSMUSG0 Large1
ENSMUSG0	960.2232	-0.63144	0.170964	-3.69343	0.000221	0.010206	ENSMUSG0 Olfm4
ENSMUSG0	1136.959	0.702066	0.190128	3.692586	0.000222	0.010216	ENSMUSG0 Smpd3
ENSMUSG0	82.57332	1.379386	0.373763	3.690533	0.000224	0.01027	ENSMUSG0 Sgip1
ENSMUSG0	961.5458	0.661335	0.179242	3.689625	0.000225	0.01027	ENSMUSG0 Plekhb1
ENSMUSG0	987.6933	-0.42133	0.114199	-3.68941	0.000225	0.01027	ENSMUSG0 Tmem135

ENSMUSG0	161.6928	1.155659	0.313426	3.687186	0.000227	0.010323	ENSMUSG0 Ptn
ENSMUSG0	6192.895	-0.62803	0.170341	-3.68689	0.000227	0.010323	ENSMUSG0 Frzb
ENSMUSG0	9073.77	-0.94964	0.257617	-3.68626	0.000228	0.010325	ENSMUSG0 Fam151a
ENSMUSG0	90.79943	1.240069	0.33646	3.685638	0.000228	0.010325	ENSMUSG0 Sfrp1
ENSMUSG0	5.430616	4.185941	1.137071	3.681336	0.000232	0.010477	ENSMUSG0 Cdh10
ENSMUSG0	266.2457	0.855725	0.232618	3.678677	0.000234	0.010562	ENSMUSG0 Wwtr1
ENSMUSG0	213.5382	1.155284	0.314106	3.67801	0.000235	0.010562	ENSMUSG0 Tfcp2l1
ENSMUSG0	1509.604	1.019141	0.277137	3.677392	0.000236	0.010562	ENSMUSG0 Agrn
ENSMUSG0	164.3339	-1.04843	0.285194	-3.67619	0.000237	0.010562	ENSMUSG0 Uox
ENSMUSG0	30.64931	-1.16137	0.315923	-3.67613	0.000237	0.010562	ENSMUSG0 Oacyl
ENSMUSG0	1802.46	-0.69941	0.19028	-3.67571	0.000237	0.010562	ENSMUSG0 Mars1
ENSMUSG0	255.769	0.719371	0.195851	3.673048	0.00024	0.010642	ENSMUSG0 Dennd2a
ENSMUSG0	80.46476	1.5373	0.418587	3.672593	0.00024	0.010642	ENSMUSG0 Fam83e
ENSMUSG0	317.2218	1.331652	0.362873	3.669746	0.000243	0.010733	ENSMUSG0 Sult1a1
ENSMUSG0	121.2787	1.00642	0.274286	3.669237	0.000243	0.010733	ENSMUSG0 Fam102b
ENSMUSG0	163.3858	0.940813	0.256999	3.66076	0.000251	0.011032	ENSMUSG0 Rab15
ENSMUSG0	2559.062	-0.45883	0.125345	-3.66056	0.000252	0.011032	ENSMUSG0 Pi4ka
ENSMUSG0	241.2459	1.682364	0.459607	3.660443	0.000252	0.011032	ENSMUSG0 Ildr2
ENSMUSG0	659.3048	1.042949	0.285096	3.65824	0.000254	0.011102	ENSMUSG0 Hmgcs2
ENSMUSG0	208.5435	0.620324	0.169714	3.65511	0.000257	0.011171	ENSMUSG0 Dact3
ENSMUSG0	972.9537	0.614589	0.168149	3.655036	0.000257	0.011171	ENSMUSG0 Sdc2
ENSMUSG0	48.83019	2.208375	0.604221	3.654915	0.000257	0.011171	ENSMUSG0 Onecut1
ENSMUSG0	610.2461	1.09383	0.299684	3.649939	0.000262	0.011329	ENSMUSG0 Hk1
ENSMUSG0	69.28497	1.360903	0.372892	3.64959	0.000263	0.011329	ENSMUSG0 Stac2
ENSMUSG0	2126.229	-0.49785	0.136525	-3.64661	0.000266	0.011435	ENSMUSG0 Paxip1
ENSMUSG0	1496.385	-0.57583	0.158021	-3.64402	0.000268	0.011525	ENSMUSG0 Flcn
ENSMUSG0	433.46	-0.79542	0.218634	-3.63815	0.000275	0.011742	ENSMUSG0 Pcsk4
ENSMUSG0	367.2844	1.536881	0.422443	3.638075	0.000275	0.011742	ENSMUSG0 Dpysl3
ENSMUSG0	82.63978	-0.80935	0.222688	-3.63446	0.000279	0.011881	ENSMUSG0 H4c11
ENSMUSG0	262.0263	1.015298	0.279443	3.633297	0.00028	0.011909	ENSMUSG0 Palld
ENSMUSG0	1567.959	-1.22299	0.337102	-3.62795	0.000286	0.012131	ENSMUSG0 Slc40a1
ENSMUSG0	46.63068	1.590543	0.438541	3.626896	0.000287	0.012154	ENSMUSG0 Necab1
ENSMUSG0	212.9721	1.354713	0.373967	3.62255	0.000292	0.012333	ENSMUSG0 Fermt1
ENSMUSG0	64.16929	1.449268	0.400356	3.61995	0.000295	0.01243	ENSMUSG0 Aldh1a2
ENSMUSG0	3973.033	-0.7054	0.194977	-3.61789	0.000297	0.012502	ENSMUSG0 Ppp1r1a
ENSMUSG0	52.38188	1.582806	0.438203	3.61204	0.000304	0.012759	ENSMUSG0 Chrm2
ENSMUSG0	70.46469	-1.30027	0.360046	-3.61142	0.000305	0.012762	ENSMUSG0 Gm11789
ENSMUSG0	418.2541	1.010858	0.280174	3.607973	0.000309	0.012905	ENSMUSG0 Hapln1
ENSMUSG0	50.04517	1.25662	0.348884	3.601825	0.000316	0.013185	ENSMUSG0 Dcll3
ENSMUSG0	25.81945	1.393776	0.387638	3.595566	0.000324	0.013477	ENSMUSG0 Kcnd2
ENSMUSG0	150.5958	1.616026	0.44956	3.594683	0.000325	0.013485	ENSMUSG0 Flrt3
ENSMUSG0	30.96842	1.518721	0.422537	3.59429	0.000325	0.013485	ENSMUSG0 Gm20219
ENSMUSG0	2269.064	-0.51351	0.143094	-3.58864	0.000332	0.01373	ENSMUSG0 Ninj1
ENSMUSG0	126.1919	2.037663	0.567834	3.588486	0.000333	0.01373	ENSMUSG0 Wnt7b
ENSMUSG0	248.8417	-0.83923	0.234244	-3.58272	0.00034	0.013984	ENSMUSG0 Xrcc3
ENSMUSG0	180.7882	0.808522	0.225682	3.58257	0.00034	0.013984	ENSMUSG0 Mdfic
ENSMUSG0	1297.091	-0.50153	0.140271	-3.57542	0.00035	0.014342	ENSMUSG0 Mlycd
ENSMUSG0	2496.64	-0.97541	0.27299	-3.57306	0.000353	0.014441	ENSMUSG0 Rims3
ENSMUSG0	404.1779	1.100954	0.308193	3.572294	0.000354	0.014452	ENSMUSG0 Kcnn4
ENSMUSG0	2197.557	-0.8393	0.235064	-3.5705	0.000356	0.014503	ENSMUSG0 Mcfd2
ENSMUSG0	4405.584	-0.44599	0.124927	-3.57002	0.000357	0.014503	ENSMUSG0 Naga
ENSMUSG0	2220.182	-0.35587	0.099692	-3.5697	0.000357	0.014503	ENSMUSG0 Insig1

ENSMUSG0	163.6761	1.105791	0.310133	3.565535	0.000363	0.014686	ENSMUSG0Tmem229a
ENSMUSG0	1487.861	-0.38682	0.108494	-3.56533	0.000363	0.014686	ENSMUSG0Ttc39a
ENSMUSG0	14.02011	3.16623	0.888835	3.562224	0.000368	0.014829	ENSMUSG0Gabrb1
ENSMUSG0	17.22207	1.756666	0.494322	3.55369	0.00038	0.015287	ENSMUSG0Nkain1
ENSMUSG0	149.2708	1.024384	0.288357	3.55249	0.000382	0.015325	ENSMUSG0Plat
ENSMUSG0	38.09374	-1.29184	0.36378	-3.55117	0.000384	0.01537	ENSMUSG0Gm48435
ENSMUSG0	63.19282	0.989375	0.278739	3.549465	0.000386	0.015437	ENSMUSG0Rnf144b
ENSMUSG0	47.4983	0.924103	0.260562	3.54657	0.00039	0.015576	ENSMUSG0Rnf39
ENSMUSG0	121.3691	0.956571	0.26991	3.544032	0.000394	0.015694	ENSMUSG0Smarcd3
ENSMUSG0	1848.109	-0.45561	0.128608	-3.54264	0.000396	0.015744	ENSMUSG0Slc25a44
ENSMUSG0	70.44083	1.350972	0.381566	3.540603	0.000399	0.015834	ENSMUSG0Il18r1
ENSMUSG0	3.154634	4.260337	1.203589	3.539694	0.000401	0.015856	ENSMUSG0Spag16
ENSMUSG0	75.57976	0.876536	0.247698	3.538727	0.000402	0.015881	ENSMUSG0F730043M1
ENSMUSG0	24.06332	1.595849	0.451094	3.537733	0.000404	0.015908	ENSMUSG0Atp6v0a4
ENSMUSG0	10.91952	1.829278	0.517504	3.534811	0.000408	0.016052	ENSMUSG0Nkpd1
ENSMUSG0	164.7268	2.115998	0.600412	3.524245	0.000425	0.016672	ENSMUSG0Gabrp
ENSMUSG0	1977.746	-0.71277	0.202407	-3.52149	0.000429	0.016812	ENSMUSG0Impdh1
ENSMUSG0	996.4782	-0.67235	0.191005	-3.52005	0.000431	0.016869	ENSMUSG0Ubxn10
ENSMUSG0	835.9798	-0.44173	0.125537	-3.51873	0.000434	0.016919	ENSMUSG0Coq10a
ENSMUSG0	500.2148	-0.6983	0.198595	-3.51621	0.000438	0.017036	ENSMUSG0D630039AC
ENSMUSG0	3226.439	-0.42849	0.121874	-3.51582	0.000438	0.017036	ENSMUSG0Desi1
ENSMUSG0	104.1766	0.746301	0.212351	3.514473	0.000441	0.017089	ENSMUSG01700003E1
ENSMUSG0	172.1542	0.698817	0.199063	3.51053	0.000447	0.017274	ENSMUSG0Creg2
ENSMUSG0	2794.005	-0.5076	0.144617	-3.50998	0.000448	0.017275	ENSMUSG0Tshz1
ENSMUSG0	436.6311	1.111111	0.316748	3.507871	0.000452	0.017359	ENSMUSG0Dcl1
ENSMUSG0	1429.217	-0.51201	0.14597	-3.50763	0.000452	0.017359	ENSMUSG0Denn2b
ENSMUSG0	2708.556	-0.46224	0.13185	-3.5058	0.000455	0.017444	ENSMUSG0Mcf2l
ENSMUSG0	270.3691	0.917265	0.261797	3.50373	0.000459	0.017545	ENSMUSG0Khl13
ENSMUSG0	401.2965	0.83414	0.238155	3.502502	0.000461	0.017591	ENSMUSG0Epdr1
ENSMUSG0	213.8192	0.890228	0.254592	3.496678	0.000471	0.017944	ENSMUSG0Ltbp1
ENSMUSG0	215.99	0.68286	0.195484	3.493171	0.000477	0.01811	ENSMUSG0Ahr
ENSMUSG0	2469.406	-0.40023	0.114713	-3.48896	0.000485	0.018361	ENSMUSG0Mbd2
ENSMUSG0	44.5021	1.963708	0.56295	3.488244	0.000486	0.018375	ENSMUSG0Cntn2
ENSMUSG0	178.9878	1.021897	0.293036	3.487281	0.000488	0.018393	ENSMUSG0Eppk1
ENSMUSG0	1640.328	0.657603	0.188591	3.486919	0.000489	0.018393	ENSMUSG0Sor1
ENSMUSG0	91.48033	1.628076	0.466993	3.486299	0.00049	0.0184	ENSMUSG0Nell2
ENSMUSG0	1048.412	0.829681	0.238149	3.483879	0.000494	0.018531	ENSMUSG0Me1
ENSMUSG0	1601.672	0.86197	0.247472	3.483103	0.000496	0.018549	ENSMUSG0Bicc1
ENSMUSG0	57.50617	1.174848	0.337781	3.478133	0.000505	0.018859	ENSMUSG0Armh4
ENSMUSG0	12.97346	1.800485	0.5178	3.477184	0.000507	0.01889	ENSMUSG0Gm41293
ENSMUSG0	802.7943	0.821467	0.236554	3.472647	0.000515	0.019175	ENSMUSG0Parm1
ENSMUSG0	893.0333	-0.54269	0.156351	-3.47101	0.000519	0.019255	ENSMUSG0B3gnt3
ENSMUSG0	4764.085	-0.48999	0.141291	-3.46798	0.000524	0.019418	ENSMUSG0Rab3d
ENSMUSG0	101.0238	0.852585	0.245864	3.467705	0.000525	0.019418	ENSMUSG0Fam163a
ENSMUSG0	302.0213	1.321319	0.381129	3.466857	0.000527	0.019442	ENSMUSG0Ces2g
ENSMUSG0	41.39224	1.130058	0.326031	3.466109	0.000528	0.019459	ENSMUSG0Btc
ENSMUSG0	317.4101	-0.53316	0.153915	-3.46399	0.000532	0.019569	ENSMUSG0Ydj
ENSMUSG0	38.05352	1.266467	0.365654	3.463566	0.000533	0.019569	ENSMUSG0Abcg4
ENSMUSG0	12.2	2.676022	0.772854	3.46252	0.000535	0.019608	ENSMUSG0Tmem74
ENSMUSG0	127.4836	0.723886	0.209445	3.456218	0.000548	0.020034	ENSMUSG0Cenpt
ENSMUSG0	71.57017	1.189081	0.344112	3.455508	0.000549	0.020048	ENSMUSG0A830018L1
ENSMUSG0	38.63891	1.348987	0.390466	3.454813	0.000551	0.020062	ENSMUSG0Apobec2

ENSMUSG0	35.02257	1.103448	0.319506	3.453609	0.000553	0.020114	ENSMUSG0 Gprin2
ENSMUSG0	26.64379	1.396186	0.404518	3.451482	0.000558	0.020235	ENSMUSG0 Casc1
ENSMUSG0	478.2983	-0.79968	0.231754	-3.45053	0.000559	0.020254	ENSMUSG0 Cntrob
ENSMUSG0	22.78257	2.235592	0.647958	3.450211	0.00056	0.020254	ENSMUSG0 Kcna4
ENSMUSG0	343.3045	0.447975	0.129865	3.449551	0.000562	0.020265	ENSMUSG0 Get1
ENSMUSG0	1244.834	-0.60723	0.176159	-3.44705	0.000567	0.020403	ENSMUSG0 Kcnb1
ENSMUSG0	24.7611	1.638769	0.47546	3.446706	0.000567	0.020403	ENSMUSG0 Dio3os
ENSMUSG0	233.0369	0.757854	0.219943	3.445684	0.00057	0.020442	ENSMUSG0C13002112C
ENSMUSG0	98.74466	1.555396	0.451788	3.442753	0.000576	0.020627	ENSMUSG0 Slc18a2
ENSMUSG0	70.8815	0.958074	0.27833	3.442229	0.000577	0.020628	ENSMUSG0 Clmp
ENSMUSG0	1535.977	-0.45225	0.131487	-3.43948	0.000583	0.0208	ENSMUSG0 CerK
ENSMUSG0	322.0987	0.639638	0.186313	3.433144	0.000597	0.021249	ENSMUSG0 Rnf208
ENSMUSG0	5373.766	-0.49165	0.143227	-3.4327	0.000598	0.021249	ENSMUSG0 Ppp1r37
ENSMUSG0	37.18806	1.383657	0.403178	3.431878	0.000599	0.021274	ENSMUSG0 Ascl1
ENSMUSG0	102.4737	1.313023	0.383032	3.427971	0.000608	0.021535	ENSMUSG0 Dtna
ENSMUSG0	10.00276	1.9076	0.556615	3.427143	0.00061	0.021535	ENSMUSG0 Rasl10a
ENSMUSG0	128.5409	1.415349	0.412991	3.427073	0.00061	0.021535	ENSMUSG0 Lepr
ENSMUSG0	5.939853	3.685708	1.077193	3.421584	0.000623	0.021911	ENSMUSG0 Ces1g
ENSMUSG0	149.1738	0.949427	0.277499	3.42137	0.000623	0.021911	ENSMUSG0 Add2
ENSMUSG0	50.28253	1.259125	0.368218	3.419507	0.000627	0.022021	ENSMUSG0 Usp13
ENSMUSG0	73.19314	1.614346	0.4724	3.417328	0.000632	0.02212	ENSMUSG0 Scx
ENSMUSG0	23.70456	-1.1215	0.328182	-3.4173	0.000632	0.02212	ENSMUSG0 Gm31557
ENSMUSG0	311.0861	0.924643	0.270943	3.412687	0.000643	0.022387	ENSMUSG0 Zcchc12
ENSMUSG0	51.74582	1.120489	0.328333	3.412662	0.000643	0.022387	ENSMUSG0 Nptx2
ENSMUSG0	15.79032	-4.12248	1.208034	-3.41255	0.000644	0.022387	ENSMUSG0 Ighv1-78
ENSMUSG0	17.8244	1.737559	0.509367	3.411213	0.000647	0.022456	ENSMUSG0 Rgs13
ENSMUSG0	133.0981	0.960788	0.281741	3.410186	0.000649	0.02247	ENSMUSG0 Igsf3
ENSMUSG0	8.790753	2.880627	0.844744	3.410059	0.000649	0.02247	ENSMUSG0 Tcfl5
ENSMUSG0	16.8067	-2.84157	0.833745	-3.4082	0.000654	0.022584	ENSMUSG0 Igkv4-68
ENSMUSG0	143.5558	1.42833	0.419329	3.406228	0.000659	0.022657	ENSMUSG0 Plcd3
ENSMUSG0	1841.963	-0.48841	0.143393	-3.40609	0.000659	0.022657	ENSMUSG0 Tbc1d22b
ENSMUSG0	366.4721	0.746196	0.219093	3.405846	0.00066	0.022657	ENSMUSG0 Serpine2
ENSMUSG0	481.9371	-0.6088	0.178796	-3.40501	0.000662	0.022685	ENSMUSG0 Rars2
ENSMUSG0	873.6834	0.898677	0.26399	3.40421	0.000664	0.022685	ENSMUSG0 Hbegf
ENSMUSG0	354.8638	0.881961	0.259092	3.404049	0.000664	0.022685	ENSMUSG0 Erbb3
ENSMUSG0	360.3328	1.052434	0.309273	3.402928	0.000667	0.022738	ENSMUSG0 Rapgef5
ENSMUSG0	17.98636	1.716019	0.504795	3.399434	0.000675	0.02299	ENSMUSG0 Dlx1
ENSMUSG0	85.9277	1.662248	0.48925	3.397545	0.00068	0.023108	ENSMUSG0 Fgf13
ENSMUSG0	96.43188	0.963232	0.283587	3.396596	0.000682	0.023148	ENSMUSG0 Wdr78
ENSMUSG0	29.08663	-1.08947	0.320895	-3.39511	0.000686	0.02321	ENSMUSG0 Gm4925
ENSMUSG0	53.27831	-1.31579	0.387579	-3.39489	0.000687	0.02321	ENSMUSG0 Gm20518
ENSMUSG0	1232.444	-0.54569	0.160872	-3.39205	0.000694	0.023411	ENSMUSG0 Tox3
ENSMUSG0	74.8913	0.853524	0.251777	3.390004	0.000699	0.023545	ENSMUSG0 Pnma2
ENSMUSG0	5351.569	-0.62679	0.184932	-3.3893	0.000701	0.023565	ENSMUSG0 Tram1
ENSMUSG0	222.1417	1.08865	0.321468	3.386499	0.000708	0.023765	ENSMUSG0 Tgfb2
ENSMUSG0	154.9765	0.750338	0.221712	3.384286	0.000714	0.023894	ENSMUSG0 Nek6
ENSMUSG0	59.62753	-1.22423	0.361771	-3.384	0.000714	0.023894	ENSMUSG09630028104
ENSMUSG0	31.46313	1.387579	0.410091	3.383583	0.000715	0.023894	ENSMUSG0 BC064078
ENSMUSG0	96.88875	0.9093	0.26891	3.381425	0.000721	0.024031	ENSMUSG0 Nxpe4
ENSMUSG0	1013.214	0.702504	0.207777	3.381052	0.000722	0.024031	ENSMUSG0 Rcn3
ENSMUSG0	156.5286	0.947464	0.280317	3.379966	0.000725	0.024071	ENSMUSG0 Syt17
ENSMUSG0	1398.173	-0.58584	0.173344	-3.37965	0.000726	0.024071	ENSMUSG0 Prkcb

ENSMUSG0	227.7524	0.945643	0.280119	3.375865	0.000736	0.024363	ENSMUSG0 Smo
ENSMUSG0	4.617923	3.267961	0.968605	3.373884	0.000741	0.024496	ENSMUSG0 Slc10a2
ENSMUSG0	9.474473	3.054203	0.905389	3.373361	0.000743	0.024501	ENSMUSG0 Trpm6
ENSMUSG0	163.5778	-1.20044	0.35592	-3.37278	0.000744	0.024511	ENSMUSG0 Dtnbos
ENSMUSG0	401.7917	0.639106	0.189531	3.372037	0.000746	0.024535	ENSMUSG0 Tle4
ENSMUSG0	63.87832	-0.81815	0.242792	-3.36974	0.000752	0.024661	ENSMUSG0 H4c3
ENSMUSG0	262.2068	1.736571	0.515361	3.369623	0.000753	0.024661	ENSMUSG0 Nefl
ENSMUSG0	67.23326	1.852553	0.549847	3.369217	0.000754	0.024661	ENSMUSG0 Kcnq3
ENSMUSG0	126.2362	1.12269	0.333327	3.368133	0.000757	0.024716	ENSMUSG0 Kirrel
ENSMUSG0	181.7705	1.394823	0.414486	3.365188	0.000765	0.024939	ENSMUSG0 Mal
ENSMUSG0	1482.039	0.597678	0.177673	3.363917	0.000768	0.025012	ENSMUSG0 Grb10
ENSMUSG0	16.28129	2.021136	0.60094	3.363291	0.00077	0.025026	ENSMUSG0 Syndig1
ENSMUSG0	11.91229	2.203046	0.655921	3.358707	0.000783	0.025385	ENSMUSG0 Igf2bp3
ENSMUSG0	494.1284	1.129613	0.336352	3.358425	0.000784	0.025385	ENSMUSG0 Sdc1
ENSMUSG0	366.614	0.712663	0.21238	3.355609	0.000792	0.02559	ENSMUSG0 Fam53b
ENSMUSG0	339.7428	0.532131	0.158596	3.355268	0.000793	0.02559	ENSMUSG0 Gadd45a
ENSMUSG0	118.2651	1.402423	0.418296	3.352701	0.0008	0.025786	ENSMUSG0 Dnah11
ENSMUSG0	40.68392	1.601624	0.478032	3.350456	0.000807	0.025944	ENSMUSG0 Slc45a1
ENSMUSG0	127.462	-0.76612	0.228728	-3.34949	0.00081	0.025944	ENSMUSG0 5033430115
ENSMUSG0	3377.739	-0.53346	0.159274	-3.34935	0.00081	0.025944	ENSMUSG0 Pkdcc
ENSMUSG0	49.3504	1.244988	0.371731	3.349161	0.000811	0.025944	ENSMUSG0 Mmp11
ENSMUSG0	234.7549	1.031801	0.308294	3.346812	0.000817	0.02608	ENSMUSG0 Fads3
ENSMUSG0	313.7262	0.753605	0.225203	3.346333	0.000819	0.02608	ENSMUSG0 Smad3
ENSMUSG0	574.3287	1.465194	0.437851	3.346332	0.000819	0.02608	ENSMUSG0 Scara3
ENSMUSG0	34.53346	1.443641	0.431605	3.344818	0.000823	0.026179	ENSMUSG0 Tnfsf13
ENSMUSG0	151.9798	1.039789	0.310963	3.343768	0.000826	0.026207	ENSMUSG0 Ephx4
ENSMUSG0	7203.499	-0.79387	0.23746	-3.34318	0.000828	0.026207	ENSMUSG0 Papss2
ENSMUSG0	582.6208	0.642265	0.192143	3.342649	0.00083	0.026207	ENSMUSG0 Gab1
ENSMUSG0	44.81846	1.02718	0.307308	3.342511	0.00083	0.026207	ENSMUSG0 Wnt9a
ENSMUSG0	1030.55	-0.73023	0.218495	-3.34211	0.000831	0.026207	ENSMUSG0 Syne4
ENSMUSG0	114.91	1.322355	0.395711	3.341716	0.000833	0.026207	ENSMUSG0 Sox5
ENSMUSG0	30.45888	1.563671	0.467979	3.341328	0.000834	0.026207	ENSMUSG0 Capn6
ENSMUSG0	122.8674	0.873868	0.261664	3.339655	0.000839	0.026322	ENSMUSG0 Slco4a1
ENSMUSG0	55.57121	1.100438	0.329812	3.336557	0.000848	0.026574	ENSMUSG0 Ank1
ENSMUSG0	230.6966	1.077795	0.323363	3.333083	0.000859	0.026821	ENSMUSG0 Palmd
ENSMUSG0	260.2899	0.82528	0.247718	3.331528	0.000864	0.026829	ENSMUSG0 Cav2
ENSMUSG0	768.2054	-0.73398	0.220326	-3.33135	0.000864	0.026829	ENSMUSG0 A530058N1
ENSMUSG0	57.74223	1.810556	0.543513	3.33121	0.000865	0.026829	ENSMUSG0 Gli2
ENSMUSG0	523.7662	1.230247	0.369311	3.331193	0.000865	0.026829	ENSMUSG0 Cp
ENSMUSG0	1465.026	0.737811	0.221553	3.330181	0.000868	0.026873	ENSMUSG0 Cald1
ENSMUSG0	53.79298	0.947101	0.284428	3.329846	0.000869	0.026873	ENSMUSG0 Prx
ENSMUSG0	914.5203	0.692743	0.20807	3.329367	0.00087	0.026876	ENSMUSG0 Fads2
ENSMUSG0	380.308	-0.4807	0.144547	-3.32559	0.000882	0.027199	ENSMUSG0 Harbi1
ENSMUSG0	255.9012	0.948849	0.285454	3.324003	0.000887	0.027311	ENSMUSG0 Sema5a
ENSMUSG0	1684.983	-0.55265	0.166343	-3.32233	0.000893	0.027431	ENSMUSG0 Amigo2
ENSMUSG0	698.4316	-0.46769	0.140855	-3.32038	0.000899	0.027579	ENSMUSG0 Nudt5
ENSMUSG0	50.26144	1.353533	0.408042	3.317143	0.000909	0.027856	ENSMUSG0 Ddah1
ENSMUSG0	22.09135	2.075893	0.626776	3.312016	0.000926	0.028327	ENSMUSG0 C4bp
ENSMUSG0	763.5559	0.975632	0.294692	3.310683	0.000931	0.028417	ENSMUSG0 Ache
ENSMUSG0	60.13419	0.902156	0.272737	3.307786	0.00094	0.028667	ENSMUSG0 Tnfrsf10b
ENSMUSG0	37.73311	1.711366	0.517572	3.306527	0.000945	0.028751	ENSMUSG0 Rprml
ENSMUSG0	338.7256	0.774204	0.234189	3.305891	0.000947	0.02877	ENSMUSG0 Gja1

ENSMUSG0	2433.646	-0.37281	0.11281	-3.30479	0.00095	0.028838	ENSMUSG0 Adipor1
ENSMUSG0	12876.14	-0.58501	0.177049	-3.30426	0.000952	0.028848	ENSMUSG0 Nkx6-1
ENSMUSG0	68.48954	1.12844	0.341626	3.303143	0.000956	0.028906	ENSMUSG0 Olfm2
ENSMUSG0	251.8421	-0.56438	0.170885	-3.30266	0.000958	0.028906	ENSMUSG0 Neil2
ENSMUSG0	63.7667	1.070036	0.32402	3.302371	0.000959	0.028906	ENSMUSG0 Syt12
ENSMUSG0	18.31986	3.09365	0.937028	3.301554	0.000962	0.028945	ENSMUSG0 Gm8221
ENSMUSG0	545.5718	0.772009	0.2339	3.300598	0.000965	0.028998	ENSMUSG0 Emp2
ENSMUSG0	68.54958	-1.09223	0.331044	-3.29935	0.000969	0.029073	ENSMUSG0 Armc4
ENSMUSG0	48.31206	1.154016	0.349809	3.298983	0.00097	0.029073	ENSMUSG0 Vwa7
ENSMUSG0	255.2006	0.842258	0.255341	3.29856	0.000972	0.029073	ENSMUSG0 Ptgrn
ENSMUSG0	134.5216	1.020539	0.309452	3.297891	0.000974	0.029097	ENSMUSG0 Snca
ENSMUSG0	567.6765	0.751354	0.22788	3.297147	0.000977	0.029129	ENSMUSG0 Myo1e
ENSMUSG0	260.9735	0.59774	0.181355	3.295958	0.000981	0.029207	ENSMUSG0 Nyap1
ENSMUSG0	1152.385	-0.77847	0.236232	-3.29535	0.000983	0.029225	ENSMUSG0 Igfals
ENSMUSG0	967.9984	-0.48658	0.147716	-3.29402	0.000988	0.029318	ENSMUSG0 Bbs2
ENSMUSG0	96.28596	-1.3561	0.411753	-3.29348	0.00099	0.02933	ENSMUSG0 Adora2b
ENSMUSG0	1983.999	-0.52249	0.158682	-3.29269	0.000992	0.029338	ENSMUSG0 Aldh9a1
ENSMUSG0	19058.1	-0.47025	0.142824	-3.29254	0.000993	0.029338	ENSMUSG0 Atp2a3
ENSMUSG0	391.5586	-0.62431	0.189647	-3.29196	0.000995	0.029353	ENSMUSG0 Kctd15
ENSMUSG0	36.93955	1.301592	0.395525	3.290798	0.000999	0.029429	ENSMUSG0 Adgrb1
ENSMUSG0	60.92256	1.333333	0.405592	3.287377	0.001011	0.029744	ENSMUSG0 Nat8l
ENSMUSG0	732.3851	0.844277	0.257406	3.279949	0.001038	0.030461	ENSMUSG0 Cdc42ep1
ENSMUSG0	1284.295	1.046935	0.319207	3.279804	0.001039	0.030461	ENSMUSG0 Tgm2
ENSMUSG0	189.4756	0.685443	0.209104	3.277995	0.001045	0.03061	ENSMUSG0 Unkl
ENSMUSG0	122.8352	1.047889	0.319824	3.276455	0.001051	0.030731	ENSMUSG0 Rnf43
ENSMUSG0	1047.144	-0.39298	0.120054	-3.27334	0.001063	0.031024	ENSMUSG0 Ankrd24
ENSMUSG0	9.364856	3.178472	0.972187	3.269403	0.001078	0.031411	ENSMUSG0 Gm32742
ENSMUSG0	66.53128	-1.07458	0.329067	-3.26553	0.001093	0.031757	ENSMUSG0 S100z
ENSMUSG0	88.33894	1.385583	0.424317	3.265445	0.001093	0.031757	ENSMUSG0 Rerg
ENSMUSG0	1495.126	0.349285	0.107037	3.263227	0.001102	0.031959	ENSMUSG0 Map2k1
ENSMUSG0	201.9502	0.915374	0.280595	3.262265	0.001105	0.032014	ENSMUSG0 Epha2
ENSMUSG0	54.15925	1.463598	0.448697	3.261887	0.001107	0.032014	ENSMUSG0 Rin1
ENSMUSG0	21.0533	1.401192	0.429635	3.261353	0.001109	0.032026	ENSMUSG0 Csrnp3
ENSMUSG0	124.9277	1.564681	0.479916	3.260324	0.001113	0.032094	ENSMUSG0 Tnfrsf19
ENSMUSG0	520.3506	0.792783	0.243284	3.258669	0.001119	0.032234	ENSMUSG0 Pkib
ENSMUSG0	14.68184	1.659788	0.509859	3.255384	0.001132	0.03256	ENSMUSG0 Pde11a
ENSMUSG0	703.4731	1.455307	0.447258	3.253844	0.001139	0.032688	ENSMUSG0 Fgfr3
ENSMUSG0	26.81367	1.465103	0.450533	3.251934	0.001146	0.03286	ENSMUSG0 Sucnr1
ENSMUSG0	102.8547	1.433536	0.441112	3.249821	0.001155	0.033056	ENSMUSG0 Sh3pxd2b
ENSMUSG0	7.286224	2.87834	0.886228	3.247856	0.001163	0.033235	ENSMUSG0 Tmem213
ENSMUSG0	50.00884	1.254505	0.386583	3.24511	0.001174	0.033508	ENSMUSG0 Tmprss5
ENSMUSG0	413.0845	-0.52222	0.161007	-3.24348	0.001181	0.03365	ENSMUSG0 Polr2j
ENSMUSG0	25.81435	2.232269	0.688394	3.24272	0.001184	0.03369	ENSMUSG0 Coch
ENSMUSG0	908.1168	-0.44258	0.136603	-3.23993	0.001196	0.033971	ENSMUSG0 Vipas39
ENSMUSG0	456.0649	0.834039	0.257751	3.235829	0.001213	0.034361	ENSMUSG0 Ppp1r3f
ENSMUSG0	378.3698	-0.43509	0.134529	-3.23416	0.00122	0.034485	ENSMUSG0 Pxmp4
ENSMUSG0	154.3294	1.380291	0.426811	3.233966	0.001221	0.034485	ENSMUSG0 Klhdc7a
ENSMUSG0	232.2736	1.044214	0.322937	3.233494	0.001223	0.034491	ENSMUSG0 Cnr1
ENSMUSG0	443.0067	0.677235	0.209516	3.232378	0.001228	0.034575	ENSMUSG0 Tenm4
ENSMUSG0	110.0115	1.001721	0.310076	3.230568	0.001235	0.034744	ENSMUSG0 Mfsd4a
ENSMUSG0	4.686043	3.527375	1.092419	3.228957	0.001242	0.03489	ENSMUSG0 Gm35572
ENSMUSG0	342.8011	-0.90088	0.279036	-3.22852	0.001244	0.034891	ENSMUSG0 Cpm

ENSMUSG0	587.2609	1.626029	0.503774	3.227694	0.001248	0.034942	ENSMUSG0 Fgfr2
ENSMUSG0	277.4488	0.688625	0.213642	3.223261	0.001267	0.03534	ENSMUSG0 Mpz
ENSMUSG0	232.7378	1.212467	0.376175	3.223142	0.001268	0.03534	ENSMUSG0 Chdh
ENSMUSG0	316.5664	0.628236	0.194931	3.222873	0.001269	0.03534	ENSMUSG0 Spry1
ENSMUSG0	25.63136	1.581031	0.490579	3.222787	0.001269	0.03534	ENSMUSG0 Wdr66
ENSMUSG0	575.9926	-0.55636	0.172718	-3.2212	0.001277	0.03546	ENSMUSG0 Sox12
ENSMUSG0	172.9956	-0.65995	0.204892	-3.22099	0.001277	0.03546	ENSMUSG0 Fancf
ENSMUSG0	200.3447	-2.0461	0.635512	-3.21961	0.001284	0.035579	ENSMUSG0 Smim38
ENSMUSG0	552.4498	0.916972	0.284958	3.217919	0.001291	0.035718	ENSMUSG0 Pkhd1
ENSMUSG0	73.31114	-1.16168	0.361033	-3.21767	0.001292	0.035718	ENSMUSG0 Gm3924
ENSMUSG0	1439.596	-0.35497	0.110383	-3.21584	0.001301	0.035895	ENSMUSG0 Iffo1
ENSMUSG0	134.7116	-0.77277	0.240342	-3.21528	0.001303	0.035913	ENSMUSG0 Phactr3
ENSMUSG0	958.4136	-0.51925	0.161551	-3.21417	0.001308	0.035974	ENSMUSG0 Gm47163
ENSMUSG0	4134.605	-0.45337	0.141063	-3.21398	0.001309	0.035974	ENSMUSG0 Ldlr
ENSMUSG0	100.3132	1.101725	0.34285	3.213429	0.001312	0.035991	ENSMUSG0 Strip2
ENSMUSG0	434.9005	0.69522	0.216401	3.212653	0.001315	0.036037	ENSMUSG0 Snn
ENSMUSG0	1269.857	-0.56049	0.174491	-3.21212	0.001318	0.036053	ENSMUSG0 Rnf128
ENSMUSG0	16.23125	1.436117	0.447472	3.209397	0.00133	0.036344	ENSMUSG0 Lypd1
ENSMUSG0	29.09995	-2.00351	0.624621	-3.20756	0.001339	0.036525	ENSMUSG0 Mfap5
ENSMUSG0	1120.711	-0.51004	0.159084	-3.20611	0.001345	0.036658	ENSMUSG0 Kdm2b
ENSMUSG0	2205.098	0.776415	0.242238	3.205168	0.00135	0.036726	ENSMUSG0 Plec
ENSMUSG0	76.3281	1.061569	0.331304	3.204215	0.001354	0.036763	ENSMUSG0 Nrip3
ENSMUSG0	4869.197	-0.94188	0.293964	-3.20407	0.001355	0.036763	ENSMUSG0 Sstr3
ENSMUSG0	1779.592	0.585357	0.182777	3.202567	0.001362	0.036903	ENSMUSG0 Mesd
ENSMUSG0	149.8246	1.182858	0.369484	3.201382	0.001368	0.037003	ENSMUSG0 Foxj1
ENSMUSG0	1154.966	-0.44309	0.138508	-3.19902	0.001379	0.037223	ENSMUSG0 Atl2
ENSMUSG0	531.4867	-0.88938	0.278059	-3.19854	0.001381	0.037223	ENSMUSG0 Phf21b
ENSMUSG0	1322.629	0.877349	0.274304	3.198459	0.001382	0.037223	ENSMUSG0 Ndrp4
ENSMUSG0	310.4109	1.150585	0.360005	3.196029	0.001393	0.037485	ENSMUSG0 Lynx1
ENSMUSG0	36.15887	1.066855	0.333945	3.194701	0.0014	0.037606	ENSMUSG0 Cacng2
ENSMUSG0	466.7534	-0.82315	0.257766	-3.19341	0.001406	0.037722	ENSMUSG0 Plk3
ENSMUSG0	45.69432	-0.89324	0.279758	-3.19291	0.001408	0.037735	ENSMUSG0 Ai463170
ENSMUSG0	518.2021	0.733311	0.229852	3.190362	0.001421	0.038016	ENSMUSG0 Arl4c
ENSMUSG0	239.5674	1.372044	0.430292	3.188631	0.001429	0.038191	ENSMUSG0 Adcyap1r1
ENSMUSG0	253.3831	-0.75816	0.237835	-3.18775	0.001434	0.038255	ENSMUSG0 Syt2
ENSMUSG0	88.34943	0.901652	0.283145	3.184424	0.00145	0.038643	ENSMUSG0 Cd1d1
ENSMUSG0	11.67764	1.980106	0.622851	3.179099	0.001477	0.039306	ENSMUSG0 Spzf2
ENSMUSG0	15.6387	-1.63423	0.514243	-3.17795	0.001483	0.039408	ENSMUSG0 Gm30606
ENSMUSG0	155.9094	1.164072	0.366986	3.171976	0.001514	0.040128	ENSMUSG0 Kcnk5
ENSMUSG0	76.30569	-1.0082	0.317856	-3.17189	0.001514	0.040128	ENSMUSG09130230L2
ENSMUSG0	2276.32	-0.63777	0.201193	-3.16996	0.001525	0.04034	ENSMUSG0 R3hdm2
ENSMUSG0	526.5111	-0.56816	0.179334	-3.16814	0.001534	0.040537	ENSMUSG0 Pgap3
ENSMUSG0	6.13189	2.707224	0.855063	3.166113	0.001545	0.040765	ENSMUSG0 Gdf5
ENSMUSG0	6.712506	2.354746	0.743921	3.165316	0.001549	0.040821	ENSMUSG0 Kif6
ENSMUSG0	1216.468	-0.48193	0.15241	-3.16205	0.001567	0.041169	ENSMUSG0 Coro2b
ENSMUSG0	5668.805	-0.54887	0.173582	-3.16205	0.001567	0.041169	ENSMUSG0 Hepacam2
ENSMUSG0	82.46096	0.955127	0.30225	3.160062	0.001577	0.041394	ENSMUSG0 Adamts15
ENSMUSG0	697.3022	-0.50518	0.159984	-3.15769	0.00159	0.041676	ENSMUSG0 Angel1
ENSMUSG0	847.8483	0.790457	0.250363	3.157245	0.001593	0.041683	ENSMUSG0 Nfib
ENSMUSG0	1775.661	-0.82111	0.260138	-3.15644	0.001597	0.041742	ENSMUSG0 Fam210b
ENSMUSG0	1089.918	-0.69597	0.220545	-3.15568	0.001601	0.04177	ENSMUSG0 Akr1c12
ENSMUSG0	357.5311	1.253311	0.39719	3.155448	0.001603	0.04177	ENSMUSG0 Cd14

ENSMUSG0	1270.987	-0.47929	0.151927	-3.15472	0.001607	0.041785	ENSMUSG0 Abcb10
ENSMUSG0	1656.023	-0.45313	0.143644	-3.15455	0.001607	0.041785	ENSMUSG0 Bhlhe41
ENSMUSG0	13.05985	1.893294	0.600393	3.153423	0.001614	0.04189	ENSMUSG0 Megf10
ENSMUSG0	89.39463	1.068869	0.33968	3.146693	0.001651	0.042809	ENSMUSG0 Egl3
ENSMUSG0	3151.213	-0.68189	0.216784	-3.14547	0.001658	0.042915	ENSMUSG0 Asns
ENSMUSG0	81.11933	1.627391	0.517424	3.145179	0.00166	0.042915	ENSMUSG0 Gm16551
ENSMUSG0	235.5431	0.682727	0.217516	3.138735	0.001697	0.043811	ENSMUSG0 Kcnh1
ENSMUSG0	72.60131	1.012226	0.322587	3.137835	0.001702	0.043831	ENSMUSG0 Scube1
ENSMUSG0	1802.743	0.537055	0.171156	3.13782	0.001702	0.043831	ENSMUSG0 Abcc5
ENSMUSG0	86.43141	1.142678	0.36421	3.137416	0.001704	0.043832	ENSMUSG0 Mpl2
ENSMUSG0	324.7201	1.301019	0.414969	3.13522	0.001717	0.044103	ENSMUSG0 Erbb2
ENSMUSG0	178.8254	0.861941	0.275013	3.134182	0.001723	0.044155	ENSMUSG0 Avpr1b
ENSMUSG0	732.8952	-0.44058	0.140578	-3.13409	0.001724	0.044155	ENSMUSG0 Jph3
ENSMUSG0	12.99238	2.31936	0.740296	3.133018	0.00173	0.044258	ENSMUSG0 Gm10419
ENSMUSG0	1533.901	1.026555	0.327791	3.131738	0.001738	0.044392	ENSMUSG0 Ass1
ENSMUSG0	1793.406	-0.90373	0.288749	-3.12979	0.001749	0.044628	ENSMUSG0 H2bc4
ENSMUSG0	379.7687	0.398709	0.127462	3.128075	0.00176	0.04483	ENSMUSG0 Entpd6
ENSMUSG0	1173.757	0.487719	0.155944	3.127535	0.001763	0.044839	ENSMUSG0 Cd99l2
ENSMUSG0	243.6773	-0.67469	0.215747	-3.12724	0.001765	0.044839	ENSMUSG0 Egfr
ENSMUSG0	81.66533	1.213064	0.388166	3.125113	0.001777	0.045105	ENSMUSG0 Arhgap28
ENSMUSG0	2191.321	-0.47452	0.151929	-3.12326	0.001789	0.045328	ENSMUSG0 Slc37a4
ENSMUSG0	65.33546	0.801136	0.256537	3.122884	0.001791	0.045328	ENSMUSG0 Dach2
ENSMUSG0	137.7437	0.764951	0.245032	3.121839	0.001797	0.045371	ENSMUSG0 Sema6a
ENSMUSG0	509.5115	1.013655	0.324698	3.121835	0.001797	0.045371	ENSMUSG0 Notch2
ENSMUSG0	323.8068	0.638184	0.204471	3.121149	0.001801	0.045417	ENSMUSG0 Irgm2
ENSMUSG0	79.07711	1.168162	0.374419	3.119935	0.001809	0.04552	ENSMUSG0 Kcnc4
ENSMUSG0	553.8593	1.245638	0.39928	3.119708	0.00181	0.04552	ENSMUSG0 Sfn
ENSMUSG0	80.59583	0.86864	0.278549	3.118442	0.001818	0.045656	ENSMUSG0 Itipr1l1
ENSMUSG0	752.6919	0.70531	0.226242	3.117502	0.001824	0.045656	ENSMUSG0 Pdlm5
ENSMUSG0	3959.383	-0.56708	0.181909	-3.11737	0.001825	0.045656	ENSMUSG0 Gng4
ENSMUSG0	3721.036	-0.87546	0.280841	-3.11729	0.001825	0.045656	ENSMUSG0 Klf9
ENSMUSG0	238.7043	0.628858	0.201793	3.116361	0.001831	0.045741	ENSMUSG0 Ctnna2
ENSMUSG0	70.53543	1.02753	0.329805	3.115567	0.001836	0.045805	ENSMUSG0 Smtnl2
ENSMUSG0	268.9537	-0.867	0.278351	-3.11476	0.001841	0.045827	ENSMUSG0 Ceacam1
ENSMUSG0	8.460601	-2.42074	0.777206	-3.11466	0.001842	0.045827	ENSMUSG0 Gm43880
ENSMUSG0	170.4802	-0.71785	0.230557	-3.11355	0.001849	0.045941	ENSMUSG0 Krt80
ENSMUSG0	21.1045	1.331944	0.428404	3.109087	0.001877	0.04658	ENSMUSG0 Plcx1
ENSMUSG0	1325.463	-0.42256	0.135994	-3.10715	0.001889	0.046825	ENSMUSG0 Dele1
ENSMUSG0	8.188042	2.555634	0.822851	3.105827	0.001897	0.046975	ENSMUSG0 Caln1
ENSMUSG0	18.96216	1.613959	0.519859	3.104607	0.001905	0.047109	ENSMUSG0 Dbndd1
ENSMUSG0	111.3558	1.100278	0.354819	3.100953	0.001929	0.047633	ENSMUSG0 Slc52a3
ENSMUSG0	3.456469	-3.31457	1.06924	-3.09993	0.001936	0.047737	ENSMUSG0 Gm38408
ENSMUSG0	5.57536	2.679391	0.865351	3.096306	0.001959	0.048262	ENSMUSG0 4732490B1
ENSMUSG0	4845.664	-0.54836	0.177406	-3.09096	0.001995	0.049077	ENSMUSG0 Trabd
ENSMUSG0	196.6825	0.96378	0.311909	3.089938	0.002002	0.049183	ENSMUSG0 Pdgfd
ENSMUSG0	909.5204	1.189302	0.385075	3.088493	0.002012	0.04936	ENSMUSG0 Lama5
ENSMUSG0	51.23114	1.148087	0.371836	3.087616	0.002018	0.049422	ENSMUSG0 Kcnq5
ENSMUSG0	113.0972	1.536229	0.497587	3.087359	0.002019	0.049422	ENSMUSG0 Hpcal4
ENSMUSG0	65.82773	0.930815	0.301577	3.08649	0.002025	0.049504	ENSMUSG0 Khl33
ENSMUSG0	16.29281	1.756603	0.569218	3.085992	0.002029	0.049524	ENSMUSG0 Il7
ENSMUSG0	193.805	1.154203	0.374742	3.079995	0.00207	0.050468	ENSMUSG0 Sned1
ENSMUSG0	35.68431	-1.27024	0.412629	-3.0784	0.002081	0.050675	ENSMUSG0 Kcng3

ENSMUSG0	249.237	0.808039	0.26262	3.076834	0.002092	0.050877	ENSMUSG0 Lgi4
ENSMUSG0	2445.126	-0.57126	0.185955	-3.072	0.002126	0.051576	ENSMUSG0 Slc7a5
ENSMUSG0	9536.966	-0.99858	0.325082	-3.07177	0.002128	0.051576	ENSMUSG0 Ddc
ENSMUSG0	5.436542	2.723681	0.886751	3.071527	0.00213	0.051576	ENSMUSG0 Epha10
ENSMUSG0	52.50286	-1.18323	0.385315	-3.0708	0.002135	0.051576	ENSMUSG0 Diras2
ENSMUSG0	216.9961	1.049924	0.341908	3.070775	0.002135	0.051576	ENSMUSG0 Rab27b
ENSMUSG0	225.8083	-0.51543	0.167866	-3.07051	0.002137	0.051576	ENSMUSG0 Fut10
ENSMUSG0	113.2971	1.112261	0.362357	3.069517	0.002144	0.051683	ENSMUSG0 Amot
ENSMUSG0	1380.856	-0.42671	0.139133	-3.06691	0.002163	0.05203	ENSMUSG0 Tmem8
ENSMUSG0	258.4364	-0.74255	0.242156	-3.06641	0.002166	0.05203	ENSMUSG0 Gm27033
ENSMUSG0	361.9474	-0.50702	0.165353	-3.06627	0.002167	0.05203	ENSMUSG0 Pctp
ENSMUSG0	228.1527	1.012179	0.330128	3.066023	0.002169	0.05203	ENSMUSG0 Ajuba
ENSMUSG0	1049.826	-0.44023	0.143649	-3.06461	0.00218	0.052211	ENSMUSG0 Galns
ENSMUSG0	326.8208	1.044897	0.341033	3.063918	0.002185	0.052267	ENSMUSG0 Sox9
ENSMUSG0	3.815518	3.791029	1.238338	3.061385	0.002203	0.052605	ENSMUSG0 Gm35290
ENSMUSG0	3.208723	4.316361	1.410003	3.061243	0.002204	0.052605	ENSMUSG0 4930447C0
ENSMUSG0	11.58905	-2.8482	0.930736	-3.06016	0.002212	0.052731	ENSMUSG0 Azgp1
ENSMUSG0	14.55086	-1.3581	0.44403	-3.05858	0.002224	0.052923	ENSMUSG0 Rhox3a2
ENSMUSG0	121.2036	1.050268	0.343422	3.058243	0.002226	0.052923	ENSMUSG0 Slit2
ENSMUSG0	36.69801	1.555494	0.508805	3.057153	0.002235	0.052923	ENSMUSG0 Stra6l
ENSMUSG0	40.17731	1.46015	0.477639	3.057013	0.002236	0.052923	ENSMUSG0 Gulp1
ENSMUSG0	81.74008	0.748425	0.24483	3.056919	0.002236	0.052923	ENSMUSG0 Kcnj3
ENSMUSG0	4.711305	5.407648	1.769025	3.056852	0.002237	0.052923	ENSMUSG0 Gm20649
ENSMUSG0	45.95108	0.9599	0.314144	3.055607	0.002246	0.053078	ENSMUSG0 Kcnmb4
ENSMUSG0	4312.563	-0.66057	0.216226	-3.05498	0.002251	0.053123	ENSMUSG0 Dbp
ENSMUSG0	1481.708	0.475216	0.155637	3.05337	0.002263	0.053298	ENSMUSG0 Efhd2
ENSMUSG0	1114.554	-0.34842	0.114118	-3.0532	0.002264	0.053298	ENSMUSG0 Gsr
ENSMUSG0	129.6866	0.955525	0.31299	3.052891	0.002266	0.053298	ENSMUSG0 Samd12
ENSMUSG0	413.9143	0.469481	0.153802	3.052493	0.002269	0.053304	ENSMUSG0 Cpt1c
ENSMUSG0	6.252182	-3.01315	0.987482	-3.05135	0.002278	0.053419	ENSMUSG0 8430426J0f
ENSMUSG0	63.0271	1.276249	0.418289	3.051114	0.00228	0.053419	ENSMUSG0 P2ry2
ENSMUSG0	106.7493	1.141868	0.374357	3.050212	0.002287	0.053514	ENSMUSG0 Gdf10
ENSMUSG0	1723.876	-0.64603	0.211912	-3.04857	0.002299	0.053742	ENSMUSG0 Efcab1
ENSMUSG0	135.5097	-1.29206	0.423902	-3.04802	0.002304	0.053776	ENSMUSG0 Gm281
ENSMUSG0	2308.221	-0.51384	0.168673	-3.04637	0.002316	0.054007	ENSMUSG0 Tspan5
ENSMUSG0	8.208032	2.225497	0.730867	3.04501	0.002327	0.054185	ENSMUSG0 Stag3
ENSMUSG0	4.437067	4.076311	1.338986	3.044327	0.002332	0.054243	ENSMUSG0 Col17a1
ENSMUSG0	1568.912	-0.36433	0.119689	-3.04394	0.002335	0.054246	ENSMUSG0 Vamp3
ENSMUSG0	9.536693	2.622837	0.861814	3.043393	0.002339	0.05428	ENSMUSG0 Jakmip3
ENSMUSG0	234.6589	0.920377	0.302513	3.042435	0.002347	0.054387	ENSMUSG0 Lama3
ENSMUSG0	55.50677	1.032286	0.339358	3.041878	0.002351	0.054392	ENSMUSG0 Gnal
ENSMUSG0	126.0332	1.097776	0.36091	3.041688	0.002353	0.054392	ENSMUSG0 Trnp1
ENSMUSG0	462.447	1.053388	0.346496	3.04012	0.002365	0.05461	ENSMUSG0 Slc41a3
ENSMUSG0	14.57433	1.561418	0.513943	3.038116	0.002381	0.054908	ENSMUSG0 Parvaos
ENSMUSG0	55.42537	1.433781	0.472133	3.036816	0.002391	0.05508	ENSMUSG0 Stac
ENSMUSG0	175.6857	1.210166	0.398586	3.036146	0.002396	0.055081	ENSMUSG0 Prelp
ENSMUSG0	2442.347	0.617403	0.203355	3.03609	0.002397	0.055081	ENSMUSG0 Serping1
ENSMUSG0	45.17654	1.267417	0.417614	3.0349	0.002406	0.055232	ENSMUSG0 Zfp72
ENSMUSG0	1307.899	0.654258	0.215668	3.033633	0.002416	0.055399	ENSMUSG0 Rgs4
ENSMUSG0	83.3202	-0.81078	0.267453	-3.03147	0.002434	0.055731	ENSMUSG0 Nqo1
ENSMUSG0	1200.292	0.406597	0.134174	3.030364	0.002443	0.055869	ENSMUSG0 Kmt5a
ENSMUSG0	105.8847	-0.57596	0.190118	-3.02951	0.002449	0.05596	ENSMUSG0 Klhdc8a

ENSMUSG0	88.6118	-0.83109	0.274508	-3.02757	0.002465	0.056254	ENSMUSG0 Gm20400
ENSMUSG0	571.0832	-0.68085	0.225015	-3.02578	0.00248	0.056521	ENSMUSG0 Chpt1
ENSMUSG0	15.1159	-1.48252	0.490886	-3.02008	0.002527	0.057391	ENSMUSG0D030025P2
ENSMUSG0	570.6849	-0.51898	0.171851	-3.01993	0.002528	0.057391	ENSMUSG0 Grin2c
ENSMUSG0	5888.899	-0.49292	0.163231	-3.01976	0.00253	0.057391	ENSMUSG0 Por
ENSMUSG0	242.5712	-1.693	0.560647	-3.01973	0.00253	0.057391	ENSMUSG0 Hamp2
ENSMUSG0	206.7908	-0.82192	0.272476	-3.0165	0.002557	0.057938	ENSMUSG0 Togaram2
ENSMUSG0	124.0812	0.679719	0.225408	3.015508	0.002565	0.058059	ENSMUSG0 Osbp2
ENSMUSG0	211.5626	0.717659	0.238152	3.013444	0.002583	0.058386	ENSMUSG0 Srgap3
ENSMUSG0	42.7138	1.069702	0.355054	3.012787	0.002589	0.058444	ENSMUSG0 Moxd1
ENSMUSG0	4495.005	0.346737	0.115111	3.012194	0.002594	0.058448	ENSMUSG0 Anxa6
ENSMUSG0	158.1309	-1.31173	0.435494	-3.01206	0.002595	0.058448	ENSMUSG0 Asb11
ENSMUSG0	592.6809	0.35945	0.119352	3.011685	0.002598	0.058451	ENSMUSG0 Trim32
ENSMUSG0	535.2563	0.35312	0.117354	3.009026	0.002621	0.058894	ENSMUSG0 Trim2
ENSMUSG0	73.68097	0.702786	0.233586	3.008683	0.002624	0.058894	ENSMUSG0 Top1mt
ENSMUSG0	51.39244	1.278507	0.425145	3.007228	0.002636	0.059107	ENSMUSG0 P2rx2
ENSMUSG0	261.1326	0.785126	0.261235	3.005443	0.002652	0.059386	ENSMUSG0 Trip6
ENSMUSG0	418.6253	1.022968	0.340572	3.003678	0.002667	0.059662	ENSMUSG0 Myof
ENSMUSG0	6.149659	3.050314	1.015878	3.002638	0.002677	0.059797	ENSMUSG0 Tex14
ENSMUSG0	1341.145	-0.86364	0.287698	-3.00188	0.002683	0.059877	ENSMUSG0 Socs2
ENSMUSG0	204.7117	0.613565	0.204419	3.001514	0.002686	0.059879	ENSMUSG0 Zdhhc9
ENSMUSG0	363.3604	-0.80116	0.267292	-2.99734	0.002723	0.060544	ENSMUSG0 Otoa
ENSMUSG0	22.35624	-1.13561	0.378927	-2.99691	0.002727	0.060544	ENSMUSG0 Gm48670
ENSMUSG0	1433.062	0.853051	0.284645	2.996896	0.002727	0.060544	ENSMUSG0 Eef1a2
ENSMUSG0	1344.981	-0.51658	0.172418	-2.99611	0.002734	0.060599	ENSMUSG0 Siah2
ENSMUSG0	19.82075	1.915711	0.639563	2.995345	0.002741	0.060682	ENSMUSG0 Mamdc2
ENSMUSG0	40.50948	2.458526	0.821208	2.993793	0.002755	0.060873	ENSMUSG0 Duoxa2
ENSMUSG0	531.0181	0.968586	0.323543	2.993686	0.002756	0.060873	ENSMUSG0 Arrb1
ENSMUSG0	94.22518	-0.72724	0.242988	-2.99292	0.002763	0.060956	ENSMUSG06430571L1
ENSMUSG0	33.57683	1.66172	0.555387	2.992003	0.002772	0.061008	ENSMUSG0 Col23a1
ENSMUSG0	6.154068	-2.84716	0.951912	-2.99099	0.002781	0.061132	ENSMUSG0 Trpm1
ENSMUSG0	34454.12	-0.66368	0.221937	-2.99039	0.002786	0.061181	ENSMUSG0 mt-Rnr2
ENSMUSG0	5919.935	-0.37822	0.126529	-2.9892	0.002797	0.061352	ENSMUSG0 Lman2
ENSMUSG0	459.1826	1.307272	0.43749	2.988119	0.002807	0.061416	ENSMUSG0 Cyp2s1
ENSMUSG0	240.5161	1.275345	0.426808	2.988102	0.002807	0.061416	ENSMUSG0 Atp1a3
ENSMUSG0	3491.842	-0.39258	0.131392	-2.98783	0.00281	0.061416	ENSMUSG0 Tmed9
ENSMUSG0	167.9752	0.652832	0.218561	2.986955	0.002818	0.061523	ENSMUSG0 Sh3bgrl2
ENSMUSG0	93.43697	0.990431	0.331642	2.986441	0.002822	0.061523	ENSMUSG0 Cthrc1
ENSMUSG0	3338.661	-0.69409	0.232446	-2.98604	0.002826	0.061523	ENSMUSG0 Vstm2l
ENSMUSG0	1233.251	-0.44503	0.149044	-2.98591	0.002827	0.061523	ENSMUSG0 Pard3
ENSMUSG0	1695.833	-0.56828	0.190368	-2.98518	0.002834	0.061601	ENSMUSG0 Sephs2
ENSMUSG0	942.6674	-0.5646	0.189284	-2.98282	0.002856	0.061997	ENSMUSG0 Ift172
ENSMUSG0	682.2396	-0.52778	0.176958	-2.98253	0.002859	0.061997	ENSMUSG0 Pigo
ENSMUSG0	139.5365	1.248014	0.418554	2.981724	0.002866	0.062029	ENSMUSG0 Ahnak2
ENSMUSG0	345.3362	-0.42298	0.14186	-2.98167	0.002867	0.062029	ENSMUSG0 Fam217b
ENSMUSG0	3099.736	0.427804	0.14351	2.981	0.002873	0.062029	ENSMUSG0 Vat1
ENSMUSG0	4.194263	3.350027	1.123796	2.980992	0.002873	0.062029	ENSMUSG05033403H0
ENSMUSG0	160.666	0.974892	0.327105	2.980367	0.002879	0.062048	ENSMUSG0 Apc2
ENSMUSG0	467710.3	-0.91044	0.305496	-2.98022	0.00288	0.062048	ENSMUSG0 Iapp
ENSMUSG0	124.3273	-0.67224	0.225784	-2.97733	0.002908	0.062564	ENSMUSG0 Dnaic2
ENSMUSG0	37.88714	1.62859	0.547344	2.975439	0.002926	0.062881	ENSMUSG0 Pof1b
ENSMUSG0	2705.959	0.890701	0.299588	2.973085	0.002948	0.063224	ENSMUSG0 Bcam

ENSMUSG0	61.73558	1.172559	0.394602	2.971496	0.002964	0.063482	ENSMUSG0 Epha5
ENSMUSG0	239.4303	0.991807	0.334123	2.96839	0.002994	0.064055	ENSMUSG0 Sod3
ENSMUSG0	766.7353	0.379932	0.128093	2.966053	0.003016	0.064472	ENSMUSG0 Cdc42ep4
ENSMUSG0	37086.7	-0.61854	0.208776	-2.96271	0.003049	0.065103	ENSMUSG0 G6pc2
ENSMUSG0	38.42934	-1.4063	0.475398	-2.95815	0.003095	0.066001	ENSMUSG0 Gm49477
ENSMUSG0	11.43296	-2.081	0.703575	-2.95775	0.003099	0.066015	ENSMUSG0 Cplx3
ENSMUSG0	827.3805	-0.37169	0.125713	-2.95663	0.00311	0.066182	ENSMUSG0 Flad1
ENSMUSG0	871.9408	1.086358	0.367531	2.955825	0.003118	0.066215	ENSMUSG0 Nrsn1
ENSMUSG0	479.2344	0.538723	0.182292	2.955282	0.003124	0.066215	ENSMUSG0 Carmil2
ENSMUSG0	7.627244	2.251803	0.762042	2.954961	0.003127	0.066215	ENSMUSG0 Galr2
ENSMUSG0	5904.034	-0.54841	0.185596	-2.95487	0.003128	0.066215	ENSMUSG0 Sec31a
ENSMUSG0	49.05227	0.984394	0.333154	2.954771	0.003129	0.066215	ENSMUSG0 Lrrtm1
ENSMUSG0	132.9031	-1.26893	0.42958	-2.95388	0.003138	0.066261	ENSMUSG0 Dnmt3b
ENSMUSG0	36.23804	1.172763	0.397059	2.953625	0.003141	0.066261	ENSMUSG0 Prdm16os
ENSMUSG0	848.5088	1.100074	0.372459	2.953543	0.003141	0.066261	ENSMUSG0 St3gal4
ENSMUSG0	16.15081	-1.38466	0.468963	-2.95261	0.003151	0.066389	ENSMUSG0 Catsper4
ENSMUSG0	8.79273	1.9154	0.649533	2.94889	0.003189	0.067119	ENSMUSG0 Gm12108
ENSMUSG0	144.5823	1.03993	0.353235	2.94402	0.00324	0.067998	ENSMUSG0 Kcnq2
ENSMUSG0	2493.122	0.423969	0.144013	2.943956	0.00324	0.067998	ENSMUSG0 Atp6v1a
ENSMUSG0	1775.98	0.842285	0.286116	2.943853	0.003242	0.067998	ENSMUSG0 Fat1
ENSMUSG0	471.7447	0.591588	0.201081	2.942039	0.003261	0.068323	ENSMUSG0 Dusp16
ENSMUSG0	28.22649	1.231235	0.418806	2.939871	0.003283	0.068728	ENSMUSG0 Vstm2a
ENSMUSG0	2408.543	0.689017	0.23441	2.939363	0.003289	0.068766	ENSMUSG0 Csrp1
ENSMUSG0	28.74239	1.613996	0.549482	2.937302	0.003311	0.069075	ENSMUSG02810459M:
ENSMUSG0	463.6284	-0.38687	0.131776	-2.93583	0.003327	0.069329	ENSMUSG0 Macroh2a2
ENSMUSG0	208.7432	1.476616	0.503056	2.935291	0.003332	0.069373	ENSMUSG0 Rtp1
ENSMUSG0	175.2812	-0.59815	0.203812	-2.93479	0.003338	0.06941	ENSMUSG0 Pyroxd2
ENSMUSG0	164.4075	0.895249	0.305201	2.933308	0.003354	0.069667	ENSMUSG0 Cdk6
ENSMUSG0	230.8945	0.980717	0.334424	2.932552	0.003362	0.069762	ENSMUSG0 Tgif1
ENSMUSG0	888.1352	-0.93029	0.31738	-2.93115	0.003377	0.070001	ENSMUSG0 B3galnt1
ENSMUSG0	14.78369	1.799078	0.613876	2.930688	0.003382	0.070031	ENSMUSG0 Slc8a3
ENSMUSG0	70.6807	1.243124	0.424288	2.929908	0.003391	0.070064	ENSMUSG0 Mycl
ENSMUSG0	16.06188	1.477378	0.504286	2.929643	0.003394	0.070064	ENSMUSG0 Prss35
ENSMUSG0	7.231849	4.785048	1.633484	2.929352	0.003397	0.070064	ENSMUSG0 Fam205a3
ENSMUSG0	77.81744	1.536993	0.524714	2.929203	0.003398	0.070064	ENSMUSG0 Elavl3
ENSMUSG0	735.5497	-0.50577	0.172688	-2.92879	0.003403	0.070066	ENSMUSG0 Lss
ENSMUSG0	522.5973	0.696893	0.237972	2.928471	0.003406	0.070066	ENSMUSG0 Map3k21
ENSMUSG0	52.44464	1.097902	0.374941	2.928199	0.003409	0.070066	ENSMUSG0 Ebf3
ENSMUSG0	55.75607	0.948954	0.32447	2.924625	0.003449	0.070798	ENSMUSG0 Fam184b
ENSMUSG0	1935.992	-0.54431	0.186135	-2.9243	0.003452	0.070798	ENSMUSG0 Parp6
ENSMUSG0	110.2553	2.005122	0.685807	2.92374	0.003459	0.07085	ENSMUSG0 Duox2
ENSMUSG0	8.945448	-2.17048	0.742718	-2.92235	0.003474	0.070882	ENSMUSG0 Gm37566
ENSMUSG0	496.5454	0.683526	0.233913	2.92214	0.003476	0.070882	ENSMUSG0 Sema3f
ENSMUSG0	108.1141	-0.78931	0.270126	-2.922	0.003478	0.070882	ENSMUSG0 Rtkn2
ENSMUSG0	4687.697	-0.63343	0.21678	-2.92199	0.003478	0.070882	ENSMUSG0 Gjd2
ENSMUSG0	42.68828	-0.79995	0.273774	-2.92193	0.003479	0.070882	ENSMUSG0 Gm45487
ENSMUSG0	2344.791	0.646406	0.22125	2.921616	0.003482	0.070882	ENSMUSG0 Timp2
ENSMUSG0	4.921669	3.137072	1.074546	2.919439	0.003507	0.071304	ENSMUSG0 Kcnk9
ENSMUSG0	2950.235	-0.43154	0.147888	-2.91803	0.003523	0.071443	ENSMUSG0 Nkx2-2
ENSMUSG0	2917.215	-0.39035	0.133781	-2.9178	0.003525	0.071443	ENSMUSG0 Npepl1
ENSMUSG0	499.0638	-0.39246	0.13452	-2.91751	0.003528	0.071443	ENSMUSG0 Ecsit
ENSMUSG0	7527.486	-0.31434	0.107804	-2.91585	0.003547	0.071602	ENSMUSG0 Gns

ENSMUSG0	41.82296	0.851818	0.292139	2.9158	0.003548	0.071602	ENSMUSG0 Tnf
ENSMUSG0	3752.054	-0.47823	0.164016	-2.91574	0.003549	0.071602	ENSMUSG0 Neurod1
ENSMUSG0	504.0913	-0.78811	0.270318	-2.91551	0.003551	0.071602	ENSMUSG0 Cda
ENSMUSG0	142.3571	-0.7853	0.269482	-2.91413	0.003567	0.071845	ENSMUSG0 Dhtkd1
ENSMUSG0	119.2601	1.127341	0.38697	2.913253	0.003577	0.071971	ENSMUSG0 Apcdd1
ENSMUSG0	93.18701	0.793145	0.272291	2.912853	0.003581	0.071988	ENSMUSG0 Krt1
ENSMUSG0	7.258928	2.09504	0.719497	2.911812	0.003593	0.072153	ENSMUSG0 Frmd3
ENSMUSG0	283.411	0.970633	0.333858	2.907321	0.003645	0.073121	ENSMUSG0 Lrrc3
ENSMUSG0	15.58673	1.636853	0.563479	2.904904	0.003674	0.073549	ENSMUSG0 Sstr1
ENSMUSG0	205.8783	0.794851	0.27363	2.90484	0.003674	0.073549	ENSMUSG0 Rhbdl1
ENSMUSG0	1135.819	0.542652	0.186847	2.904255	0.003681	0.07361	ENSMUSG0 Nfix
ENSMUSG0	2066.985	1.035844	0.356767	2.903423	0.003691	0.07373	ENSMUSG0 Gas6
ENSMUSG0	245.566	1.285781	0.442913	2.90301	0.003696	0.07375	ENSMUSG0 Htr3a
ENSMUSG0	1082.919	0.777492	0.267862	2.902587	0.003701	0.073773	ENSMUSG0 Cavin1
ENSMUSG0	471.4215	0.927293	0.320099	2.896897	0.003769	0.075047	ENSMUSG0 Pld1
ENSMUSG0	331.9457	1.422928	0.491748	2.893615	0.003808	0.075704	ENSMUSG0 Epn3
ENSMUSG0	1179.211	0.845922	0.292351	2.893512	0.00381	0.075704	ENSMUSG0 Ccn1
ENSMUSG0	1370.178	-0.61158	0.211463	-2.89214	0.003826	0.075958	ENSMUSG0 Eva1b
ENSMUSG0	793.0392	0.782937	0.270867	2.89049	0.003846	0.076278	ENSMUSG0 Ptprs
ENSMUSG0	2287.521	0.737014	0.255218	2.887788	0.00388	0.076835	ENSMUSG0 Ace2
ENSMUSG0	34.55739	1.437794	0.497928	2.887553	0.003883	0.076835	ENSMUSG0 Miat
ENSMUSG0	13.65836	1.525926	0.528633	2.886548	0.003895	0.076953	ENSMUSG0 Barhl1
ENSMUSG0	236.6032	0.984371	0.341035	2.886424	0.003896	0.076953	ENSMUSG0 Loxl1
ENSMUSG0	56.9177	-0.91254	0.316253	-2.88546	0.003908	0.077039	ENSMUSG0 Rap1gapos
ENSMUSG0	37.09701	1.282278	0.444428	2.885233	0.003911	0.077039	ENSMUSG0 Lrrc4c
ENSMUSG0	179.3285	0.823847	0.285552	2.885104	0.003913	0.077039	ENSMUSG0 Itpripl2
ENSMUSG0	535.9335	-0.78759	0.273299	-2.88177	0.003954	0.077778	ENSMUSG0 Car10
ENSMUSG0	1414.324	-0.42274	0.146711	-2.88145	0.003958	0.077779	ENSMUSG0 Lrnf4
ENSMUSG0	604.4051	-0.57708	0.200333	-2.88063	0.003969	0.077902	ENSMUSG0 Mnx1
ENSMUSG0	41.43269	-0.94797	0.329337	-2.87841	0.003997	0.078372	ENSMUSG0 Al427809
ENSMUSG0	359.6446	-0.67799	0.235648	-2.87712	0.004013	0.078613	ENSMUSG0 Slc18a1
ENSMUSG0	242.1129	0.466113	0.162025	2.876794	0.004017	0.078615	ENSMUSG0 Fam81a
ENSMUSG0	630.435	0.612524	0.212944	2.876458	0.004022	0.078619	ENSMUSG0 Ttc9
ENSMUSG0	64.89312	0.897484	0.312055	2.876045	0.004027	0.078642	ENSMUSG0 Fjx1
ENSMUSG0	3773.885	0.454165	0.15798	2.874827	0.004042	0.078866	ENSMUSG0 Aplp2
ENSMUSG0	236.8791	1.032967	0.359514	2.873232	0.004063	0.079131	ENSMUSG0 Scn7a
ENSMUSG0	528.3873	-0.40483	0.140901	-2.87313	0.004064	0.079131	ENSMUSG0 Hs1bp3
ENSMUSG0	1821.888	-0.33048	0.115063	-2.87219	0.004076	0.079285	ENSMUSG0 Aacs
ENSMUSG0	1810.312	-0.65404	0.227825	-2.87079	0.004094	0.079557	ENSMUSG0 Svip
ENSMUSG0	1447.305	-0.45309	0.157896	-2.86955	0.004111	0.079789	ENSMUSG0 Cyc1
ENSMUSG0	471.1145	-0.6748	0.235205	-2.86901	0.004118	0.079845	ENSMUSG0 Fam92b
ENSMUSG0	1182.73	-0.40014	0.139581	-2.86674	0.004147	0.080338	ENSMUSG0 Wdr45b
ENSMUSG0	248.1851	-0.69677	0.243098	-2.8662	0.004154	0.080395	ENSMUSG0 Cutc
ENSMUSG0	35.52782	-0.74446	0.25979	-2.86564	0.004162	0.080457	ENSMUSG04932422M:
ENSMUSG0	8411.626	-0.3939	0.137475	-2.86523	0.004167	0.080478	ENSMUSG0 Sec61a1
ENSMUSG0	59.42717	0.846557	0.296026	2.859741	0.00424	0.081804	ENSMUSG0 Angpt1
ENSMUSG0	15.47001	2.230214	0.780033	2.859126	0.004248	0.08188	ENSMUSG0 Klrg2
ENSMUSG0	1066.035	-0.7038	0.246224	-2.85836	0.004258	0.081997	ENSMUSG0 Abracl
ENSMUSG0	958.3383	-0.60477	0.211839	-2.85484	0.004306	0.082828	ENSMUSG0 Svil
ENSMUSG0	499.8384	-0.48802	0.171045	-2.85319	0.004328	0.083175	ENSMUSG0 Tmem231
ENSMUSG0	19.25821	1.667452	0.584586	2.852362	0.00434	0.083251	ENSMUSG0 Cysltr1
ENSMUSG0	357.3038	0.972778	0.341054	2.852269	0.004341	0.083251	ENSMUSG0 Piezo1

ENSMUSG0	18.76702	1.535179	0.538602	2.8503	0.004368	0.083684	ENSMUSG0 Chodl
ENSMUSG0	14.19291	1.724905	0.605356	2.849407	0.00438	0.083836	ENSMUSG0 Gm31373
ENSMUSG0	162.9179	-0.46865	0.164516	-2.84865	0.00439	0.083952	ENSMUSG0 Nme6
ENSMUSG0	2531.167	-0.4227	0.148474	-2.84695	0.004414	0.084317	ENSMUSG0 Lypla2
ENSMUSG0	16.5841	1.245997	0.437818	2.845922	0.004428	0.084507	ENSMUSG0 Kcns3
ENSMUSG0	200.2916	1.424039	0.500488	2.845303	0.004437	0.084587	ENSMUSG0 Pirt
ENSMUSG0	597.1953	-0.75321	0.264876	-2.84364	0.00446	0.084945	ENSMUSG0 Gstm2
ENSMUSG0	1381.159	-0.53412	0.187869	-2.84304	0.004469	0.085023	ENSMUSG0 Dusp26
ENSMUSG0	4120.425	-0.43175	0.151973	-2.84093	0.004498	0.085502	ENSMUSG0 Kdelr1
ENSMUSG0	253.9175	1.019096	0.358822	2.840119	0.00451	0.0856	ENSMUSG0 Dmtn
ENSMUSG0	1325.586	0.435178	0.153235	2.839932	0.004512	0.0856	ENSMUSG0 Kctd10
ENSMUSG0	1149.808	-1.35684	0.477881	-2.83929	0.004521	0.085689	ENSMUSG0 Tmed6
ENSMUSG0	111.9611	0.782196	0.275556	2.838615	0.004531	0.085785	ENSMUSG0 Map3k13
ENSMUSG0	89.23047	1.065116	0.375332	2.837795	0.004543	0.08591	ENSMUSG0 Ablim3
ENSMUSG0	474.5198	-0.52407	0.184701	-2.83739	0.004548	0.08591	ENSMUSG0 Gm30648
ENSMUSG0	156.3548	0.989684	0.348823	2.837209	0.004551	0.08591	ENSMUSG0 Plod2
ENSMUSG0	4528.475	-0.47194	0.16641	-2.83599	0.004568	0.086053	ENSMUSG0 Insm1
ENSMUSG0	28.48135	1.024365	0.361211	2.835918	0.004569	0.086053	ENSMUSG0 Kcnc1
ENSMUSG0	84.52145	0.780004	0.275062	2.83574	0.004572	0.086053	ENSMUSG0 Etfbkmt
ENSMUSG0	88.62282	-0.70733	0.249699	-2.83273	0.004615	0.086698	ENSMUSG0 Gm46123
ENSMUSG0	1270.703	-0.4124	0.145583	-2.83273	0.004615	0.086698	ENSMUSG0 Rnf115
ENSMUSG0	595.1196	0.503662	0.177823	2.832378	0.00462	0.086709	ENSMUSG0 Phldb1
ENSMUSG0	3.695425	3.180982	1.123773	2.830628	0.004646	0.087099	ENSMUSG0 Grin1os
ENSMUSG0	7.493814	2.156971	0.762148	2.830122	0.004653	0.087152	ENSMUSG0 Gpr61
ENSMUSG0	72.87076	-0.86035	0.304124	-2.82893	0.00467	0.08737	ENSMUSG0 Tmem144
ENSMUSG0	59.40089	1.541977	0.545118	2.828703	0.004674	0.08737	ENSMUSG0 Slep1
ENSMUSG0	2001.589	-0.40796	0.144248	-2.82821	0.004681	0.087421	ENSMUSG0 Ube3c
ENSMUSG0	2.967183	3.371027	1.192082	2.827849	0.004686	0.087433	ENSMUSG0 2310002F0
ENSMUSG0	271.2201	0.599976	0.212205	2.827343	0.004694	0.087487	ENSMUSG0 Schip1
ENSMUSG0	121.1806	-0.65813	0.23287	-2.82615	0.004711	0.087727	ENSMUSG0 Kcnu1
ENSMUSG0	990.1689	-0.50445	0.178551	-2.82524	0.004725	0.087893	ENSMUSG0 Gnpat
ENSMUSG0	1199.125	-0.43966	0.155658	-2.82455	0.004735	0.087938	ENSMUSG0 Tmem167
ENSMUSG0	33.12519	-0.90807	0.321502	-2.82445	0.004736	0.087938	ENSMUSG0 Gm49486
ENSMUSG0	16.39065	1.911751	0.676975	2.823961	0.004743	0.087989	ENSMUSG0 Sncap
ENSMUSG0	1114.544	-0.3832	0.135731	-2.82327	0.004754	0.088094	ENSMUSG0 Dact2
ENSMUSG0	2933.278	-0.47154	0.16725	-2.81939	0.004811	0.089079	ENSMUSG0 Gch1
ENSMUSG0	162.5303	1.083343	0.384394	2.818311	0.004828	0.089294	ENSMUSG0 Arntl
ENSMUSG0	71.24935	0.824768	0.292846	2.816386	0.004857	0.089744	ENSMUSG0 Opn3
ENSMUSG0	5.736197	2.48027	0.880856	2.815749	0.004866	0.089804	ENSMUSG0 Adgrg4
ENSMUSG0	59.12882	0.857692	0.304626	2.815555	0.004869	0.089804	ENSMUSG0 Cyp2j9
ENSMUSG0	69.76099	0.792167	0.281409	2.815004	0.004878	0.089854	ENSMUSG0 Cntnap1
ENSMUSG0	131.1656	0.905189	0.321586	2.814761	0.004881	0.089854	ENSMUSG0 Slit3
ENSMUSG0	199.1792	1.03114	0.366586	2.812817	0.004911	0.090313	ENSMUSG0 Plaur
ENSMUSG0	29.67189	1.264896	0.449779	2.812262	0.004919	0.090383	ENSMUSG0 Zfp536
ENSMUSG0	2811.449	-0.49034	0.174437	-2.81098	0.004939	0.09057	ENSMUSG0 Rnpepl1
ENSMUSG0	4286.135	0.625054	0.222397	2.810535	0.004946	0.090609	ENSMUSG0 Atf3
ENSMUSG0	68.70041	1.025249	0.364837	2.810154	0.004952	0.09063	ENSMUSG0 Cdca7l
ENSMUSG0	386.8553	-0.37275	0.132696	-2.80908	0.004968	0.090841	ENSMUSG0 Lnx1
ENSMUSG0	83.7	0.918891	0.327148	2.808795	0.004973	0.090841	ENSMUSG0 Frat2
ENSMUSG0	241.4323	-0.51345	0.182936	-2.8067	0.005005	0.091347	ENSMUSG0 Otub2
ENSMUSG0	534.903	-0.42169	0.15031	-2.80549	0.005024	0.091605	ENSMUSG0 Lcmt2
ENSMUSG0	286.2421	0.618034	0.220363	2.804622	0.005038	0.091764	ENSMUSG0 Lamb3

ENSMUSG0	108.7444	-0.59668	0.212828	-2.8036	0.005054	0.091968	ENSMUSG0 Lrp8os3
ENSMUSG0	30.02058	1.17426	0.41909	2.801931	0.00508	0.092346	ENSMUSG0 Chek2
ENSMUSG0	29.38965	0.959619	0.342517	2.801666	0.005084	0.092346	ENSMUSG0CD430020J0
ENSMUSG0	71.79589	1.058595	0.377976	2.800693	0.005099	0.092538	ENSMUSG0 Atcay
ENSMUSG0	42474.84	-0.44207	0.158006	-2.79781	0.005145	0.09328	ENSMUSG0 Ftl1
ENSMUSG0	2322.128	-1.12026	0.400768	-2.79528	0.005185	0.093925	ENSMUSG0 Gatm
ENSMUSG0	474.3077	-0.76279	0.273248	-2.79155	0.005246	0.094791	ENSMUSG0 Eif4ebp1
ENSMUSG0	89.997	0.929036	0.332821	2.791399	0.005248	0.094791	ENSMUSG0 Fgfrl1
ENSMUSG0	125.0247	0.600305	0.215127	2.790471	0.005263	0.094974	ENSMUSG0 Ankrd42
ENSMUSG0	257.1145	0.947857	0.339745	2.789911	0.005272	0.095049	ENSMUSG0 AA986860
ENSMUSG0	171.3641	1.128194	0.404621	2.788273	0.005299	0.095363	ENSMUSG0 Bach2
ENSMUSG0	827.5347	-0.335	0.12016	-2.78794	0.005304	0.095363	ENSMUSG0 Brap
ENSMUSG0	37.97821	-1.06682	0.382657	-2.78793	0.005305	0.095363	ENSMUSG0C130089K0
ENSMUSG0	1194.409	0.961166	0.344943	2.786453	0.005329	0.09571	ENSMUSG0 Rtn1
ENSMUSG0	6.118669	2.706196	0.971718	2.78496	0.005353	0.096062	ENSMUSG0 Sox2ot
ENSMUSG0	29.86211	1.509215	0.542486	2.782034	0.005402	0.096661	ENSMUSG0 Plch2
ENSMUSG0	36.56414	1.013387	0.364268	2.78198	0.005403	0.096661	ENSMUSG0 Wscd2
ENSMUSG0	241.0556	1.237261	0.444771	2.781794	0.005406	0.096661	ENSMUSG0 Reep1
ENSMUSG0	391.3646	0.700224	0.251722	2.781735	0.005407	0.096661	ENSMUSG0 Ccdc148
ENSMUSG0	920.5359	-0.38727	0.139299	-2.78011	0.005434	0.096993	ENSMUSG0 Josd1
ENSMUSG0	62.9764	1.08011	0.388568	2.779723	0.005441	0.096993	ENSMUSG0 Chrm1
ENSMUSG0	5757.755	-0.49758	0.179019	-2.7795	0.005444	0.096993	ENSMUSG04833439L1
ENSMUSG0	24.30515	1.46024	0.525376	2.779419	0.005446	0.096993	ENSMUSG0 Grik3
ENSMUSG0	1133.593	-0.49161	0.177067	-2.77642	0.005496	0.097801	ENSMUSG0 Eif4e3
ENSMUSG0	147.5769	0.564678	0.203432	2.775756	0.005507	0.097856	ENSMUSG0 Stn1
ENSMUSG0	850.3353	-0.58407	0.210431	-2.77558	0.00551	0.097856	ENSMUSG0 Gucy2c
ENSMUSG0	5.340803	-2.00331	0.721826	-2.77534	0.005514	0.097856	ENSMUSG0 Gm33732
ENSMUSG0	110.4207	0.798043	0.287722	2.773657	0.005543	0.098272	ENSMUSG0 Ampd3
ENSMUSG0	518.2629	-0.42724	0.154063	-2.77317	0.005551	0.098329	ENSMUSG0 Foxo6
ENSMUSG0	802.8652	0.497883	0.179624	2.771798	0.005575	0.098653	ENSMUSG0 Gramd1b
ENSMUSG0	42.38434	1.161494	0.41941	2.769351	0.005617	0.099242	ENSMUSG0 Galnt17
ENSMUSG0	95.45063	0.964005	0.348109	2.76926	0.005618	0.099242	ENSMUSG0 Gask1b
ENSMUSG0	118.6925	-0.68446	0.247287	-2.76787	0.005642	0.09942	ENSMUSG0AC109619.
ENSMUSG0	25.09164	1.339964	0.484118	2.767844	0.005643	0.09942	ENSMUSG0 Sgcd
ENSMUSG0	49.36103	1.071876	0.387269	2.76778	0.005644	0.09942	ENSMUSG0 Sez6
ENSMUSG0	153.8887	0.906464	0.327549	2.767413	0.00565	0.099441	ENSMUSG0 Sema6c
ENSMUSG0	851.1423	-0.70812	0.255942	-2.76672	0.005662	0.099562	ENSMUSG0A330076HC
ENSMUSG0	254.5391	0.500843	0.181142	2.764924	0.005694	0.10002	ENSMUSG0 L3mbtl3
ENSMUSG0	68.60819	1.132125	0.40968	2.763439	0.00572	0.100385	ENSMUSG0 Sox10
ENSMUSG0	174.3224	1.028266	0.372382	2.76132	0.005757	0.100903	ENSMUSG0 Pld2
ENSMUSG0	1016.37	0.522989	0.189409	2.761164	0.00576	0.100903	ENSMUSG0 Clstn3
ENSMUSG0	889.6679	-0.52261	0.189427	-2.7589	0.0058	0.101386	ENSMUSG0 Ggact
ENSMUSG0	214.2069	0.753065	0.272992	2.758558	0.005806	0.101386	ENSMUSG0 Frrs1l
ENSMUSG0	56.22287	1.270218	0.460468	2.758538	0.005806	0.101386	ENSMUSG0 Akr1b8
ENSMUSG0	365.5433	0.910052	0.329919	2.758414	0.005808	0.101386	ENSMUSG0 Fam129a
ENSMUSG0	7510.303	0.790845	0.286983	2.755722	0.005856	0.10198	ENSMUSG0 Apoe
ENSMUSG0	2.959661	3.523824	1.278769	2.755638	0.005858	0.10198	ENSMUSG0 Hrk
ENSMUSG0	632.9848	-0.51061	0.185297	-2.75562	0.005858	0.10198	ENSMUSG0 Btbd17
ENSMUSG0	1634.589	-0.34698	0.125947	-2.755	0.005869	0.10206	ENSMUSG0 Scamp2
ENSMUSG0	66.80883	1.426269	0.517757	2.754707	0.005874	0.10206	ENSMUSG0 Stk32c
ENSMUSG0	81.26028	0.932736	0.338643	2.754339	0.005881	0.10206	ENSMUSG0 Fblim1
ENSMUSG0	314.4202	0.86139	0.312758	2.754178	0.005884	0.10206	ENSMUSG0 Prkch

ENSMUSG0	3261.633	-0.32866	0.119451	-2.75139	0.005934	0.10284	ENSMUSG0	Ube2v1
ENSMUSG0	10.38872	-1.78514	0.649195	-2.74977	0.005964	0.103257	ENSMUSG0	Gm47411
ENSMUSG0	688.3889	0.449394	0.163454	2.749355	0.005971	0.103294	ENSMUSG0	Sgk3
ENSMUSG0	925.8647	0.573456	0.208644	2.748495	0.005987	0.103473	ENSMUSG0	Nbl1
ENSMUSG0	140.9242	0.574183	0.209001	2.747278	0.006009	0.103764	ENSMUSG0	Rhoj
ENSMUSG0	259.7677	0.71441	0.260112	2.746548	0.006023	0.103886	ENSMUSG0	Gucy1a1
ENSMUSG0	170.9036	0.664377	0.241917	2.746305	0.006027	0.103886	ENSMUSG0	Fzd1
ENSMUSG0	226.6493	-0.56068	0.204277	-2.74469	0.006057	0.104279	ENSMUSG0	Syde2
ENSMUSG0	165.2068	0.627471	0.228668	2.744022	0.006069	0.104279	ENSMUSG0	Spag1
ENSMUSG0	7.673607	1.921667	0.700339	2.74391	0.006071	0.104279	ENSMUSG0	Gm37711
ENSMUSG0	9.705889	1.862456	0.678765	2.743891	0.006072	0.104279	ENSMUSG0	Slc35f4
ENSMUSG0	220.8496	0.416903	0.151962	2.743458	0.00608	0.104324	ENSMUSG0	Arl10
ENSMUSG0	9172.438	-0.23393	0.085307	-2.74218	0.006103	0.104638	ENSMUSG0	Gnai2
ENSMUSG0	4.146387	2.577386	0.940445	2.740604	0.006133	0.104955	ENSMUSG0	Dgk
ENSMUSG0	20.33756	1.11056	0.405225	2.740598	0.006133	0.104955	ENSMUSG0	Bfsp1
ENSMUSG0	76.8037	-0.70482	0.257214	-2.74022	0.00614	0.104983	ENSMUSG0	Neu2
ENSMUSG0	9.479896	1.511542	0.551676	2.739911	0.006146	0.104988	ENSMUSG0	Gm34934
ENSMUSG0	938.155	0.458021	0.167205	2.739283	0.006157	0.105095	ENSMUSG0	Npr2
ENSMUSG0	104.4577	-0.59897	0.218838	-2.73705	0.006199	0.105718	ENSMUSG0	Rmdn2
ENSMUSG0	5642.55	-0.28195	0.103115	-2.73428	0.006252	0.106421	ENSMUSG0	Stxbp1
ENSMUSG0	151.8758	1.056979	0.386737	2.733074	0.006275	0.106719	ENSMUSG0	Tagln3
ENSMUSG0	340.7536	0.567255	0.207868	2.728919	0.006354	0.107977	ENSMUSG0	Spred1
ENSMUSG0	88.45931	-0.75545	0.276972	-2.72752	0.006381	0.108223	ENSMUSG0	Zfp78
ENSMUSG0	2308.582	-0.48613	0.178235	-2.72745	0.006383	0.108223	ENSMUSG0	Hgf
ENSMUSG0	124.6148	-1.01375	0.371706	-2.7273	0.006386	0.108223	ENSMUSG0	Gm30173
ENSMUSG0	2545.215	-0.55851	0.204808	-2.727	0.006391	0.108226	ENSMUSG0	Ghr
ENSMUSG0	1126.628	-0.60417	0.221655	-2.72574	0.006416	0.108544	ENSMUSG0	Rora
ENSMUSG0	23.33982	1.594593	0.585237	2.724696	0.006436	0.108791	ENSMUSG0	Zfyve28
ENSMUSG0	15.30826	1.175687	0.431617	2.723911	0.006451	0.108954	ENSMUSG0	Sh3gl3
ENSMUSG0	735.4636	-0.5668	0.208106	-2.72359	0.006458	0.108964	ENSMUSG0	Hps1
ENSMUSG0	32.46669	1.199774	0.440753	2.722098	0.006487	0.109305	ENSMUSG0	Cfap47
ENSMUSG0	84.66527	0.753783	0.276925	2.72198	0.006489	0.109305	ENSMUSG0	Inka2
ENSMUSG0	116.9731	1.033637	0.379898	2.720829	0.006512	0.109591	ENSMUSG0	Pde1b
ENSMUSG0	100.6503	1.173568	0.431535	2.71952	0.006538	0.109929	ENSMUSG0	Tgif2
ENSMUSG0	47.187	-0.99388	0.365676	-2.71794	0.006569	0.11036	ENSMUSG0	Gm50353
ENSMUSG0	16.85687	2.257414	0.830707	2.717462	0.006578	0.110422	ENSMUSG0	Bcat1
ENSMUSG0	2065.31	-0.5647	0.207883	-2.71642	0.006599	0.110529	ENSMUSG0	Tle3
ENSMUSG0	402.138	-0.44929	0.165404	-2.71628	0.006602	0.110529	ENSMUSG0	Them6
ENSMUSG0	23.64421	2.322605	0.855069	2.716277	0.006602	0.110529	ENSMUSG0	Igkv2-109
ENSMUSG0	68.82244	0.841635	0.310061	2.714414	0.006639	0.111023	ENSMUSG0	Col4a4
ENSMUSG0	911.1697	-0.38058	0.140217	-2.71422	0.006643	0.111023	ENSMUSG0	Fam3a
ENSMUSG0	467.1394	0.590612	0.217653	2.713544	0.006657	0.111154	ENSMUSG0	Rab8b
ENSMUSG0	72.45581	0.984779	0.363123	2.71197	0.006688	0.111153	ENSMUSG0	4930452B0
ENSMUSG0	5.200995	-2.42753	0.895156	-2.71185	0.006691	0.111153	ENSMUSG0	Gm35037
ENSMUSG0	131.5048	0.698875	0.257885	2.710028	0.006728	0.112048	ENSMUSG0	Rac3
ENSMUSG0	22.56555	1.499373	0.553692	2.707956	0.00677	0.112652	ENSMUSG0	Cnksr2
ENSMUSG0	147.7659	0.568208	0.209878	2.707324	0.006783	0.112722	ENSMUSG0	Lhfp12
ENSMUSG0	40.82939	-0.93471	0.345272	-2.70718	0.006786	0.112722	ENSMUSG0	Alox8
ENSMUSG0	226.5633	-0.50329	0.186026	-2.7055	0.00682	0.113011	ENSMUSG0	Zfp563
ENSMUSG0	691.8552	-0.36119	0.133501	-2.7055	0.00682	0.113011	ENSMUSG0	Gfm2
ENSMUSG0	70.23902	1.306686	0.48298	2.705467	0.006821	0.113011	ENSMUSG0	Plip
ENSMUSG0	130.3934	0.620001	0.229216	2.704883	0.006833	0.113057	ENSMUSG0	Gm42031

ENSMUSG0	208.1896	0.990617	0.36625	2.704759	0.006835	0.113057	ENSMUSG0 Nrxn2
ENSMUSG0	110.4059	1.407803	0.520647	2.703947	0.006852	0.113237	ENSMUSG0 Vnn1
ENSMUSG0	65.33581	1.172423	0.433693	2.703348	0.006864	0.113316	ENSMUSG0 Slc45a3
ENSMUSG0	9329.215	-0.43995	0.162755	-2.70314	0.006869	0.113316	ENSMUSG0 Slc30a8
ENSMUSG0	309.4656	0.577802	0.21384	2.702024	0.006892	0.113601	ENSMUSG0 Ccdc120
ENSMUSG0	3.693827	5.06021	1.873188	2.70139	0.006905	0.113689	ENSMUSG0 Gm43694
ENSMUSG0	456.0174	-0.58956	0.218269	-2.70104	0.006912	0.113689	ENSMUSG0 Txnrd2
ENSMUSG0	1659.656	0.477204	0.176682	2.700913	0.006915	0.113689	ENSMUSG0 Mbp
ENSMUSG0	13.48515	1.862222	0.689761	2.699809	0.006938	0.113969	ENSMUSG0 Prtg
ENSMUSG0	25.30955	-1.19729	0.443684	-2.69851	0.006965	0.114316	ENSMUSG0 Slc14a2
ENSMUSG0	824.3674	0.934906	0.346523	2.697963	0.006977	0.114408	ENSMUSG0 Marcksl1
ENSMUSG0	4.465807	-2.90232	1.076062	-2.69717	0.006993	0.114584	ENSMUSG0 Gm15902
ENSMUSG0	6.81349	1.852513	0.686997	2.696537	0.007006	0.114703	ENSMUSG0 Icam5
ENSMUSG0	52.50026	1.259131	0.467025	2.696066	0.007016	0.114768	ENSMUSG0 Itgb6
ENSMUSG0	5.893341	3.242679	1.203082	2.695311	0.007032	0.114931	ENSMUSG0 Trbv29
ENSMUSG0	518.1287	-0.49008	0.181898	-2.69425	0.007055	0.1152	ENSMUSG0 Zfp92
ENSMUSG0	153.5771	0.628497	0.233312	2.693812	0.007064	0.115253	ENSMUSG0 Ubash3b
ENSMUSG0	195.049	-0.67743	0.251515	-2.69341	0.007072	0.115293	ENSMUSG0 Gm17690
ENSMUSG0	3338.442	-0.57197	0.212416	-2.69268	0.007088	0.115451	ENSMUSG0 Isl1
ENSMUSG0	3970.397	-0.64853	0.240993	-2.69105	0.007123	0.115884	ENSMUSG0 Sel1l
ENSMUSG0	23.73605	2.34075	0.869889	2.69086	0.007127	0.115884	ENSMUSG0 Gal3st2b
ENSMUSG0	489.0705	1.516835	0.563897	2.689912	0.007147	0.116037	ENSMUSG0 Fscn1
ENSMUSG0	303.1673	0.722406	0.268567	2.689857	0.007148	0.116037	ENSMUSG0 Tnfrsf11b
ENSMUSG0	24.67522	1.029148	0.382643	2.689575	0.007154	0.116037	ENSMUSG0 Mgat5b
ENSMUSG0	16.85219	1.108319	0.412143	2.689162	0.007163	0.116083	ENSMUSG0 Kif7
ENSMUSG0	21145.3	0.693503	0.25799	2.688102	0.007186	0.116216	ENSMUSG0 Clu
ENSMUSG0	210.4195	0.679888	0.252931	2.688038	0.007187	0.116216	ENSMUSG0 Shf
ENSMUSG0	8.117867	2.025246	0.753482	2.68785	0.007191	0.116216	ENSMUSG0 Krt15
ENSMUSG0	321.7361	-0.77663	0.288962	-2.68766	0.007196	0.116216	ENSMUSG0 Slco1a6
ENSMUSG0	637.611	-0.62642	0.233139	-2.68688	0.007212	0.116387	ENSMUSG0 Foxred2
ENSMUSG0	368.782	-0.76007	0.283036	-2.68541	0.007244	0.116803	ENSMUSG0 Slc25a15
ENSMUSG0	233.0136	0.572047	0.213063	2.684875	0.007256	0.116893	ENSMUSG0 Rhbdf2
ENSMUSG0	46.51569	1.003567	0.37384	2.684479	0.007264	0.116934	ENSMUSG0 Rasl11b
ENSMUSG0	25.89198	1.268523	0.47265	2.683852	0.007278	0.117055	ENSMUSG0 Bend6
ENSMUSG0	639.7366	-0.583	0.217324	-2.68265	0.007304	0.117378	ENSMUSG0 Ccser1
ENSMUSG0	16.79519	1.408994	0.525743	2.680003	0.007362	0.118212	ENSMUSG0 Zfp286
ENSMUSG0	5.296491	2.292262	0.855793	2.678522	0.007395	0.118637	ENSMUSG0 Gm29683
ENSMUSG0	92.02813	0.766459	0.286183	2.678214	0.007402	0.118647	ENSMUSG0 Adcy1
ENSMUSG0	31.10225	-1.31729	0.491944	-2.67773	0.007412	0.11872	ENSMUSG0 Iyd
ENSMUSG0	2171.199	-0.35126	0.131203	-2.67725	0.007423	0.118793	ENSMUSG0 Plpbbp
ENSMUSG0	7.104513	-1.6115	0.602308	-2.67555	0.007461	0.119298	ENSMUSG0 Gm32849
ENSMUSG0	199.3142	0.71648	0.268148	2.671961	0.007541	0.120381	ENSMUSG0 Rnd3
ENSMUSG0	37.20279	1.658991	0.62089	2.671957	0.007541	0.120381	ENSMUSG0 Bcan
ENSMUSG0	245.9188	1.171452	0.438485	2.671589	0.007549	0.120413	ENSMUSG0 Fgfr4
ENSMUSG0	4601.159	-0.40376	0.15115	-2.67127	0.007557	0.12043	ENSMUSG0 Ank
ENSMUSG0	416.7069	-0.67925	0.254342	-2.67063	0.007571	0.120494	ENSMUSG0 Apoo
ENSMUSG0	58257.3	-0.87613	0.328075	-2.67053	0.007573	0.120494	ENSMUSG0 mt-Co2
ENSMUSG0	3752.065	-0.53467	0.200267	-2.66976	0.00759	0.12067	ENSMUSG0 Ptbp3
ENSMUSG0	464.1386	-0.41364	0.155049	-2.66777	0.007636	0.121286	ENSMUSG0 Acp6
ENSMUSG0	4162.728	-0.62504	0.234344	-2.6672	0.007649	0.121303	ENSMUSG0 Gmpr
ENSMUSG0	1400.622	-0.69535	0.260758	-2.66663	0.007662	0.121303	ENSMUSG0 Slitrk6
ENSMUSG0	283.212	0.607691	0.227899	2.666499	0.007665	0.121303	ENSMUSG0 Lpcat4

ENSMUSG0	67.80045	1.701232	0.638035	2.66636	0.007668	0.121303	ENSMUSG0 Tnc
ENSMUSG0	53.57556	0.912396	0.34219	2.666344	0.007668	0.121303	ENSMUSG0 Arhgef38
ENSMUSG0	49.30405	-1.79092	0.671854	-2.66565	0.007684	0.121433	ENSMUSG0 Kik1b4
ENSMUSG0	46.46129	0.883767	0.331566	2.665431	0.007689	0.121433	ENSMUSG0 Rgs8
ENSMUSG0	81.22224	1.509663	0.566452	2.665121	0.007696	0.121445	ENSMUSG0 Ptgr
ENSMUSG0	115.6931	1.037897	0.389699	2.663331	0.007737	0.1219	ENSMUSG0 Rab32
ENSMUSG0	132.6021	1.310457	0.49204	2.663313	0.007738	0.1219	ENSMUSG0 Synm
ENSMUSG0	320.416	0.635108	0.23871	2.660582	0.007801	0.122713	ENSMUSG0 Slc25a24
ENSMUSG0	355.28	-0.4949	0.186015	-2.66052	0.007802	0.122713	ENSMUSG0 Cyb561d2
ENSMUSG0	1738.107	0.454363	0.170816	2.659954	0.007815	0.12282	ENSMUSG0 Tpm1
ENSMUSG0	107.7388	0.959478	0.360856	2.658895	0.00784	0.123023	ENSMUSG0 Syt6
ENSMUSG0	177.0806	0.643681	0.24209	2.658847	0.007841	0.123023	ENSMUSG0 Afap1
ENSMUSG0	60.23748	1.593163	0.59955	2.657263	0.007878	0.123366	ENSMUSG0 Tacstd2
ENSMUSG0	542.5662	-0.4414	0.166112	-2.65725	0.007878	0.123366	ENSMUSG0 Uckl1
ENSMUSG0	7.045541	1.779778	0.669824	2.657085	0.007882	0.123366	ENSMUSG0 Gm16425
ENSMUSG0	1008.775	-0.76965	0.289732	-2.65643	0.007897	0.123506	ENSMUSG0 Fam183b
ENSMUSG0	311.814	0.850702	0.320354	2.655503	0.007919	0.123745	ENSMUSG0 L1cam
ENSMUSG0	38.25182	1.45421	0.547679	2.655223	0.007926	0.123747	ENSMUSG0 Ptgds
ENSMUSG0	29.13729	8.031925	3.027198	2.653254	0.007972	0.124371	ENSMUSG0 Gm49333
ENSMUSG0	88.55021	1.304386	0.491895	2.651758	0.008007	0.124822	ENSMUSG0 Mt3
ENSMUSG0	172.0135	1.262932	0.476394	2.651027	0.008025	0.124991	ENSMUSG0 Adam33
ENSMUSG0	234.7568	1.055773	0.398314	2.650604	0.008035	0.125046	ENSMUSG0 Hand2
ENSMUSG0	339.6957	0.83516	0.315121	2.650281	0.008042	0.125065	ENSMUSG0 Cgnl1
ENSMUSG0	17.73411	1.741656	0.657299	2.649716	0.008056	0.125173	ENSMUSG0 Wdr72
ENSMUSG0	3.131292	3.552596	1.340986	2.649242	0.008067	0.125248	ENSMUSG0 C7
ENSMUSG0	86.70569	0.902846	0.340857	2.648755	0.008079	0.125327	ENSMUSG0 Plcl1
ENSMUSG0	377.05	0.504097	0.190508	2.646068	0.008143	0.126225	ENSMUSG0 Tspan12
ENSMUSG0	531.5145	-0.37915	0.143326	-2.64541	0.008159	0.126324	ENSMUSG0 Srd5a3
ENSMUSG0	451.4553	0.47283	0.178762	2.645025	0.008168	0.126324	ENSMUSG0 Amt
ENSMUSG0	5.913694	2.642388	0.999018	2.644986	0.008169	0.126324	ENSMUSG0 Efna3
ENSMUSG0	1976.416	-0.38966	0.147375	-2.64402	0.008193	0.126584	ENSMUSG0 AU040320
ENSMUSG0	49.5595	1.726077	0.653141	2.642731	0.008224	0.126881	ENSMUSG0 Mab21l2
ENSMUSG0	68.65504	0.657238	0.248701	2.642682	0.008225	0.126881	ENSMUSG0 lqck
ENSMUSG0	224.3445	-0.53177	0.201345	-2.64112	0.008263	0.127325	ENSMUSG0 493340401
ENSMUSG0	336.3955	0.466651	0.176698	2.640954	0.008267	0.127325	ENSMUSG0 Azin2
ENSMUSG0	1276.657	0.442654	0.167644	2.640443	0.00828	0.127383	ENSMUSG0 Rab12
ENSMUSG0	3.529952	4.503592	1.705854	2.640081	0.008289	0.127383	ENSMUSG0 Gm16867
ENSMUSG0	778.2964	-0.86623	0.328121	-2.63996	0.008292	0.127383	ENSMUSG0 Nnat
ENSMUSG0	1076.822	-0.38085	0.144292	-2.63947	0.008304	0.127383	ENSMUSG0 lpmk
ENSMUSG0	352.0982	0.46668	0.17681	2.639447	0.008304	0.127383	ENSMUSG0 Slc41a2
ENSMUSG0	9.237159	1.540983	0.584441	2.636676	0.008372	0.128326	ENSMUSG0 Dnali1
ENSMUSG0	963.9236	-0.3808	0.144475	-2.63579	0.008394	0.128486	ENSMUSG0 Repts1
ENSMUSG0	6.778313	2.357375	0.894398	2.635713	0.008396	0.128486	ENSMUSG0 Gal3st3
ENSMUSG0	2078.333	-0.36204	0.137412	-2.63473	0.00842	0.128757	ENSMUSG0 Vmac
ENSMUSG0	256.9708	0.723349	0.274775	2.632514	0.008476	0.129496	ENSMUSG0 Fev
ENSMUSG0	1428.901	0.785255	0.298451	2.631106	0.008511	0.129931	ENSMUSG0 Matn2
ENSMUSG0	28.98705	2.501399	0.951171	2.629809	0.008543	0.130324	ENSMUSG0 Grem1
ENSMUSG0	852.6741	1.125346	0.428003	2.629293	0.008556	0.130418	ENSMUSG0 Fbln2
ENSMUSG0	40.91788	-1.07646	0.409519	-2.6286	0.008574	0.13058	ENSMUSG0 Nckap5
ENSMUSG0	40.14691	-0.96662	0.367894	-2.62745	0.008603	0.130867	ENSMUSG0 Gm45218
ENSMUSG0	82.95276	0.868246	0.330477	2.627252	0.008608	0.130867	ENSMUSG0 Gm7694
ENSMUSG0	1743.495	-0.51721	0.196879	-2.62705	0.008613	0.130867	ENSMUSG0 Chd7

ENSMUSG0	1173.431	-0.72645	0.276634	-2.62604	0.008639	0.131153	ENSMUSG0 Dpp4
ENSMUSG0	215.8206	0.70193	0.267341	2.625594	0.00865	0.13117	ENSMUSG0 Egflam
ENSMUSG0	1383.341	-0.4158	0.158377	-2.62541	0.008654	0.13117	ENSMUSG0 Efcab14
ENSMUSG0	494.2661	0.672888	0.25632	2.625188	0.00866	0.13117	ENSMUSG0 Samd9l
ENSMUSG0	149.0411	0.931385	0.354851	2.62472	0.008672	0.131219	ENSMUSG0 Casp12
ENSMUSG0	5.819257	-2.33929	0.891318	-2.62453	0.008677	0.131219	ENSMUSG0 Rhbg
ENSMUSG0	83.8259	-0.65993	0.251514	-2.62384	0.008695	0.131381	ENSMUSG09030612E0
ENSMUSG0	841.305	-0.47826	0.182344	-2.62287	0.008719	0.131652	ENSMUSG0 Anks4b
ENSMUSG0	1065.542	-0.47979	0.182965	-2.62229	0.008734	0.131743	ENSMUSG0 Mthfd2
ENSMUSG0	176.9968	0.745406	0.284303	2.62187	0.008745	0.131743	ENSMUSG0 Pacsin3
ENSMUSG0	194.8257	-0.53017	0.202263	-2.62119	0.008762	0.131765	ENSMUSG0 Osbpl10
ENSMUSG0	416.966	-0.50474	0.192569	-2.62109	0.008765	0.131765	ENSMUSG0 Smug1
ENSMUSG0	152.3926	1.174993	0.448304	2.620973	0.008768	0.131765	ENSMUSG0 Mboat1
ENSMUSG0	23.03831	1.295628	0.49488	2.618065	0.008843	0.13279	ENSMUSG0 Kihl35
ENSMUSG0	75.49364	-0.76874	0.293757	-2.61693	0.008872	0.133129	ENSMUSG0 Rad51ap2
ENSMUSG0	741.9985	-0.41813	0.159826	-2.61614	0.008893	0.133324	ENSMUSG0 Rpusd1
ENSMUSG0	538.6865	-0.75221	0.287553	-2.6159	0.008899	0.133324	ENSMUSG0 Six4
ENSMUSG0	179.7357	1.023588	0.3914	2.615198	0.008918	0.13346	ENSMUSG0 Adcy5
ENSMUSG0	6.83127	2.072334	0.792509	2.614901	0.008925	0.13346	ENSMUSG0 Plin5
ENSMUSG0	127.1611	0.80323	0.307192	2.614751	0.008929	0.13346	ENSMUSG0 Nectin4
ENSMUSG0	163.0222	0.975707	0.373516	2.612227	0.008995	0.134208	ENSMUSG0 Cldn8
ENSMUSG0	1122.827	-0.52735	0.201908	-2.61184	0.009006	0.134208	ENSMUSG0 Ap3s1
ENSMUSG0	93.41625	0.616766	0.236158	2.611671	0.00901	0.134208	ENSMUSG0 Afmid
ENSMUSG0	4849.478	-0.5947	0.227719	-2.61156	0.009013	0.134208	ENSMUSG0 Pycr2
ENSMUSG0	11905.77	-0.30242	0.115804	-2.61152	0.009014	0.134208	ENSMUSG0 Surf4
ENSMUSG0	58.68653	-1.80128	0.689996	-2.61057	0.009039	0.134317	ENSMUSG0 Cox7a1
ENSMUSG0	46.48922	0.795333	0.30466	2.610559	0.009039	0.134317	ENSMUSG0 Lrrc23
ENSMUSG0	449.9648	-0.33442	0.128107	-2.61045	0.009042	0.134317	ENSMUSG0 Ttc19
ENSMUSG0	628.4024	0.565426	0.216642	2.609958	0.009055	0.134405	ENSMUSG0 Amotl2
ENSMUSG0	221.1464	-0.80633	0.309066	-2.60894	0.009082	0.134703	ENSMUSG0 St8sia1
ENSMUSG0	4491.568	-0.68471	0.262515	-2.60827	0.0091	0.134862	ENSMUSG0 C2cd4b
ENSMUSG0	1842.715	0.8884	0.340686	2.607678	0.009116	0.13499	ENSMUSG0 Ahnak
ENSMUSG0	263.9367	1.130766	0.433722	2.607124	0.009131	0.135075	ENSMUSG0 Tmem179
ENSMUSG0	143.4294	0.903957	0.346751	2.606937	0.009136	0.135075	ENSMUSG0 Garnl3
ENSMUSG0	6.711953	2.20196	0.844979	2.605934	0.009162	0.135343	ENSMUSG0 Dusp9
ENSMUSG0	1158.932	0.455923	0.174979	2.60559	0.009172	0.135343	ENSMUSG0 Dmpk
ENSMUSG0	230.8693	0.453116	0.17391	2.605469	0.009175	0.135343	ENSMUSG0 Zfp783
ENSMUSG0	3.519561	2.796416	1.073968	2.603817	0.009219	0.135893	ENSMUSG0 BC030500
ENSMUSG0	1624.438	0.38587	0.148231	2.603157	0.009237	0.136004	ENSMUSG0 Capn2
ENSMUSG0	367.5868	0.906578	0.34828	2.603013	0.009241	0.136004	ENSMUSG0 Kcnab2
ENSMUSG0	644.9438	0.718029	0.275917	2.602336	0.009259	0.136168	ENSMUSG0 Ehd2
ENSMUSG0	168.3189	0.693195	0.266506	2.601045	0.009294	0.136486	ENSMUSG0 Tyro3
ENSMUSG0	843.6027	0.517991	0.19915	2.601012	0.009295	0.136486	ENSMUSG0 Kank1
ENSMUSG0	688.2507	0.706664	0.271762	2.600304	0.009314	0.136577	ENSMUSG0 Spock1
ENSMUSG0	32.1283	-0.91845	0.353214	-2.60026	0.009315	0.136577	ENSMUSG0 Gm42448
ENSMUSG0	5.525348	1.990118	0.765479	2.599833	0.009327	0.136637	ENSMUSG0 Tsix
ENSMUSG0	25.4844	1.535979	0.590855	2.599588	0.009334	0.136637	ENSMUSG0 Larp6
ENSMUSG0	32.21628	1.118351	0.430271	2.599179	0.009345	0.136695	ENSMUSG0 Trim36
ENSMUSG0	37.82792	1.091415	0.420233	2.597167	0.0094	0.137394	ENSMUSG0 Lrrc8e
ENSMUSG0	64.14479	1.483831	0.571394	2.596863	0.009408	0.137412	ENSMUSG0 Zmynd15
ENSMUSG0	1511.847	-0.46273	0.178226	-2.59632	0.009423	0.137526	ENSMUSG0 Aup1
ENSMUSG0	99.81698	0.620634	0.239132	2.595362	0.009449	0.137804	ENSMUSG0 Homer3

ENSMUSG0	28.69341	1.402694	0.540634	2.594534	0.009472	0.138032	ENSMUSG0 Fsd1
ENSMUSG0	1678.55	0.447889	0.172734	2.592945	0.009516	0.138566	ENSMUSG0 Atp11a
ENSMUSG0	93.97834	-0.65758	0.253655	-2.59241	0.009531	0.138676	ENSMUSG0 Gm41584
ENSMUSG0	463.4609	-0.57441	0.221648	-2.59153	0.009555	0.138928	ENSMUSG0 Crls1
ENSMUSG0	5122.674	-0.46158	0.178175	-2.5906	0.009581	0.139119	ENSMUSG0 Slc25a39
ENSMUSG0	1483.129	-0.44046	0.170025	-2.59054	0.009583	0.139119	ENSMUSG0 Crocc
ENSMUSG0	170.6932	0.765954	0.295724	2.590095	0.009595	0.139192	ENSMUSG0 Jag1
ENSMUSG0	686.2715	-0.38332	0.148018	-2.58966	0.009607	0.139262	ENSMUSG0 Lrif1
ENSMUSG0	24.76081	1.070134	0.413459	2.588246	0.009647	0.139694	ENSMUSG0 Slc1a1
ENSMUSG0	5093.236	-0.44086	0.170352	-2.58794	0.009655	0.139694	ENSMUSG0 Baiap3
ENSMUSG0	854.57	-0.75214	0.290684	-2.58748	0.009668	0.139694	ENSMUSG0 Defb1
ENSMUSG0	197.4009	-0.52135	0.201496	-2.58738	0.009671	0.139694	ENSMUSG0 Eef1akmt3
ENSMUSG0	3094.383	-0.61471	0.237586	-2.5873	0.009673	0.139694	ENSMUSG0 Edem1
ENSMUSG0	1388.295	-0.47745	0.18462	-2.58613	0.009706	0.140062	ENSMUSG0 Nipsnap2
ENSMUSG0	92.92913	0.930128	0.359759	2.58542	0.009726	0.140247	ENSMUSG0 Ninl
ENSMUSG0	1296.462	-0.43744	0.169372	-2.58269	0.009803	0.141256	ENSMUSG0 Slain2
ENSMUSG0	655.5672	0.611745	0.236965	2.581582	0.009835	0.141605	ENSMUSG0 Mob3a
ENSMUSG0	20.77568	1.282064	0.49673	2.581007	0.009851	0.141734	ENSMUSG0 Gjc3
ENSMUSG0	48.96869	0.988564	0.383089	2.58051	0.009865	0.141833	ENSMUSG0 Crym
ENSMUSG0	989.1942	-0.7175	0.278341	-2.57778	0.009944	0.142853	ENSMUSG0 Akr1c13
ENSMUSG0	21.31406	1.64482	0.638946	2.57427	0.010045	0.144201	ENSMUSG0 Hs3st2
ENSMUSG0	16.32802	1.208946	0.46977	2.573485	0.010068	0.14442	ENSMUSG0 Lgr5
ENSMUSG0	448.4598	-0.44977	0.174878	-2.57189	0.010115	0.14498	ENSMUSG0 Flrt1
ENSMUSG0	4.274907	4.015664	1.561679	2.571376	0.01013	0.145	ENSMUSG0 Cma1
ENSMUSG0	795.9483	-0.34373	0.133677	-2.57133	0.010131	0.145	ENSMUSG0 Ube2g1
ENSMUSG0	183.2133	0.482169	0.18756	2.570742	0.010148	0.145137	ENSMUSG0 Tspyl5
ENSMUSG0	2098.849	-0.34084	0.132625	-2.56996	0.010171	0.145219	ENSMUSG0 Arhgef16
ENSMUSG0	882.162	-0.38466	0.149678	-2.5699	0.010173	0.145219	ENSMUSG0 Acsf3
ENSMUSG0	3.118431	4.806047	1.870223	2.569773	0.010177	0.145219	ENSMUSG0 Gm10184
ENSMUSG0	58.08204	0.989051	0.385072	2.568486	0.010214	0.145652	ENSMUSG0 Tifab
ENSMUSG0	9219.714	-0.56987	0.221891	-2.56823	0.010222	0.145653	ENSMUSG0 Serp1
ENSMUSG0	2302.935	0.378958	0.147621	2.567105	0.010255	0.146017	ENSMUSG0 Eci2
ENSMUSG0	101.8582	1.266191	0.493365	2.566437	0.010275	0.14619	ENSMUSG0 Lrrc26
ENSMUSG0	519.4175	0.689888	0.268867	2.565912	0.01029	0.146303	ENSMUSG0 Zfpm1
ENSMUSG0	73.9074	1.446192	0.563707	2.565505	0.010303	0.146367	ENSMUSG0 Cdh3
ENSMUSG0	832.0522	-0.43943	0.171389	-2.56392	0.01035	0.146846	ENSMUSG0 Chrm3
ENSMUSG0	41.90572	1.28133	0.499766	2.563859	0.010352	0.146846	ENSMUSG0 Srsf12
ENSMUSG0	43.46839	1.371022	0.534871	2.563277	0.010369	0.146984	ENSMUSG0 Frmpd1
ENSMUSG0	56.05754	0.88038	0.343627	2.56202	0.010407	0.147383	ENSMUSG0 Mmp16
ENSMUSG0	275.3451	-1.01194	0.395007	-2.56182	0.010412	0.147383	ENSMUSG0 Ccl28
ENSMUSG0	568.3365	-0.48773	0.190485	-2.56045	0.010454	0.147857	ENSMUSG0 Lyplal1
ENSMUSG0	76.7372	0.664917	0.259721	2.560117	0.010464	0.147891	ENSMUSG0 Trabd2b
ENSMUSG0	4.994971	2.931652	1.145732	2.55876	0.010505	0.148361	ENSMUSG0 Tspan11
ENSMUSG0	11751.71	-0.4589	0.179386	-2.55816	0.010523	0.148451	ENSMUSG0 Disp2
ENSMUSG0	858.4576	-0.42629	0.166648	-2.55804	0.010526	0.148451	ENSMUSG0 F8a
ENSMUSG0	686.214	0.368961	0.144375	2.555569	0.010601	0.1493	ENSMUSG0 Tmem43
ENSMUSG0	20.15214	-1.16745	0.456833	-2.55553	0.010603	0.1493	ENSMUSG0 Tssk1
ENSMUSG0	111.3215	-1.04514	0.40901	-2.55529	0.01061	0.1493	ENSMUSG0 Tph2
ENSMUSG0	209.4018	-0.514	0.201219	-2.55443	0.010636	0.149561	ENSMUSG0 Dffb
ENSMUSG0	7.142462	-2.0291	0.794555	-2.55376	0.010657	0.149738	ENSMUSG0 Ros1
ENSMUSG0	928.0124	-0.3771	0.147715	-2.55291	0.010683	0.149993	ENSMUSG0 Tor2a
ENSMUSG0	53.0984	1.037628	0.406796	2.550732	0.01075	0.150715	ENSMUSG0 Fndc4

ENSMUSG0	46.0882	0.783613	0.307317	2.549849	0.010777	0.150987	ENSMUSG0B230216N2
ENSMUSG0	548.9837	0.675756	0.265144	2.548634	0.010815	0.151277	ENSMUSG0Cldn6
ENSMUSG0	611.1669	-0.5884	0.230879	-2.5485	0.010819	0.151277	ENSMUSG0Cabp1
ENSMUSG0	31.40524	0.820368	0.321913	2.54842	0.010821	0.151277	ENSMUSG0B230217O1
ENSMUSG0	13.54634	1.250841	0.491161	2.546704	0.010875	0.151912	ENSMUSG0Adgrg2
ENSMUSG0	381.7873	0.38577	0.15158	2.544997	0.010928	0.152364	ENSMUSG0Slc22a5
ENSMUSG0	2319.77	0.323812	0.127244	2.544812	0.010934	0.152364	ENSMUSG0Agap3
ENSMUSG0	2154.671	-0.38369	0.15078	-2.54468	0.010938	0.152364	ENSMUSG0Ppp1r10
ENSMUSG0	12.76863	-1.58835	0.624193	-2.54465	0.010939	0.152364	ENSMUSG0Grm1
ENSMUSG0	115.3238	-0.63678	0.250297	-2.54409	0.010956	0.152499	ENSMUSG01700113A1
ENSMUSG0	1356.914	-0.61438	0.241582	-2.54315	0.010986	0.152799	ENSMUSG0Kcnmb2
ENSMUSG0	398.8941	-0.59277	0.233142	-2.54253	0.011005	0.152896	ENSMUSG0Nr1h3
ENSMUSG0	339.3758	0.718883	0.28279	2.542106	0.011019	0.152896	ENSMUSG0Izumo4
ENSMUSG0	706.8057	-0.37331	0.146858	-2.542	0.011022	0.152896	ENSMUSG0Abtb1
ENSMUSG0	8.056137	1.487182	0.585062	2.541923	0.011024	0.152896	ENSMUSG0Cntn4
ENSMUSG0	23.01578	7.691609	3.027476	2.540602	0.011066	0.153364	ENSMUSG0Ptges3-ps
ENSMUSG0	96.4391	0.905444	0.356453	2.540152	0.01108	0.153372	ENSMUSG0Acot1
ENSMUSG0	300.1682	0.481791	0.189682	2.539993	0.011085	0.153372	ENSMUSG0Mb21d2
ENSMUSG0	10.77666	1.434047	0.564624	2.539829	0.011091	0.153372	ENSMUSG0Il17rb
ENSMUSG0	1416.639	0.618335	0.243615	2.538158	0.011144	0.153995	ENSMUSG0Ezr
ENSMUSG0	459.9546	-0.34973	0.137823	-2.53755	0.011163	0.154099	ENSMUSG0Ears2
ENSMUSG0	3.068	-3.45987	1.36354	-2.53742	0.011167	0.154099	ENSMUSG0Gm43373
ENSMUSG0	25.23413	1.193292	0.470364	2.536957	0.011182	0.154192	ENSMUSG0Syn3
ENSMUSG0	300.2881	0.569601	0.224648	2.535528	0.011228	0.154712	ENSMUSG0Trip10
ENSMUSG0	4.559814	-1.81198	0.71509	-2.53391	0.01128	0.155315	ENSMUSG0Gm36210
ENSMUSG0	14.31331	-2.88422	1.138537	-2.53327	0.011301	0.155491	ENSMUSG0Igkv6-20
ENSMUSG0	4227.735	-0.2973	0.117381	-2.53274	0.011317	0.155584	ENSMUSG0Tmem248
ENSMUSG0	2401.94	0.442456	0.174707	2.532556	0.011323	0.155584	ENSMUSG0St6gal1
ENSMUSG0	871.0663	0.429603	0.169694	2.531627	0.011353	0.155885	ENSMUSG0Map3k5
ENSMUSG0	787.2283	-0.59545	0.235247	-2.53118	0.011368	0.155972	ENSMUSG0Zbtb40
ENSMUSG0	91.0124	1.016265	0.401715	2.529816	0.011412	0.156466	ENSMUSG0Runx1
ENSMUSG0	1541.166	-0.3061	0.121007	-2.52957	0.01142	0.156466	ENSMUSG0Bap1
ENSMUSG0	1500.67	-0.35824	0.141668	-2.52873	0.011448	0.156683	ENSMUSG0Leprotl1
ENSMUSG0	52.21727	-0.77256	0.30553	-2.52859	0.011452	0.156683	ENSMUSG02310068J1f
ENSMUSG0	6027.687	-0.37663	0.149036	-2.52709	0.011501	0.157139	ENSMUSG0Uggt1
ENSMUSG0	79.14665	-0.7761	0.307113	-2.52707	0.011502	0.157139	ENSMUSG0Slc35d2
ENSMUSG0	6981.52	-0.39505	0.156425	-2.5255	0.011553	0.157728	ENSMUSG0Tmed2
ENSMUSG0	1667.047	-0.41426	0.164057	-2.52511	0.011566	0.157766	ENSMUSG0Xpot
ENSMUSG0	11.5467	1.376685	0.545333	2.524487	0.011587	0.157832	ENSMUSG0Mak
ENSMUSG0	112.6118	0.691527	0.273951	2.524275	0.011594	0.157832	ENSMUSG0Rab3il1
ENSMUSG0	450.9528	0.674088	0.267105	2.523681	0.011613	0.157987	ENSMUSG0Tinagl1
ENSMUSG0	1041.991	-0.44303	0.175655	-2.52217	0.011663	0.158556	ENSMUSG0Slc25a23
ENSMUSG0	44.42864	0.765534	0.303608	2.521456	0.011687	0.158708	ENSMUSG0Clstn2
ENSMUSG0	10.59426	-1.56695	0.621478	-2.52134	0.011691	0.158708	ENSMUSG0Serpinf2
ENSMUSG0	3981.839	-0.42005	0.16669	-2.51992	0.011738	0.159208	ENSMUSG0H1f0
ENSMUSG0	15.5383	-1.26768	0.503146	-2.51951	0.011752	0.159208	ENSMUSG0Gm9768
ENSMUSG0	1040.178	-0.33802	0.134162	-2.51948	0.011753	0.159208	ENSMUSG0Tmem41b
ENSMUSG0	8.522299	-1.91384	0.759852	-2.51871	0.011779	0.159447	ENSMUSG0Mir6236
ENSMUSG0	23.38154	-1.14185	0.453932	-2.51546	0.011888	0.160811	ENSMUSG0Gm26759
ENSMUSG0	59.16486	-0.77405	0.30777	-2.51502	0.011903	0.160882	ENSMUSG05330431K0
ENSMUSG0	4.760408	2.016146	0.80171	2.514808	0.01191	0.160882	ENSMUSG04930405N2
ENSMUSG0	354.64	0.34079	0.135534	2.514423	0.011923	0.160944	ENSMUSG0Stx2

ENSMUSG0	46.72731	1.373471	0.546413	2.513612	0.01195	0.161202	ENSMUSG0 Nfe2l3
ENSMUSG0	6.791636	2.219052	0.88308	2.512854	0.011976	0.161435	ENSMUSG04631405J119
ENSMUSG0	13.55044	1.219455	0.485423	2.51215	0.012	0.161645	ENSMUSG0 Pcdhb3
ENSMUSG0	79.60411	0.640152	0.254878	2.511606	0.012018	0.161651	ENSMUSG0 Cntn3
ENSMUSG0	288.2898	-1.05292	0.419244	-2.51148	0.012023	0.161651	ENSMUSG0 Grhl1
ENSMUSG0	36806.25	-0.34872	0.138859	-2.51136	0.012027	0.161651	ENSMUSG0 Ero1lb
ENSMUSG0	36.18993	-1.71369	0.682448	-2.51109	0.012036	0.161651	ENSMUSG01810053B2
ENSMUSG0	112.3216	0.443507	0.176632	2.510903	0.012042	0.161651	ENSMUSG0 Smad6
ENSMUSG0	1100.384	-0.55735	0.222046	-2.51008	0.01207	0.161915	ENSMUSG0 Knop1
ENSMUSG0	453.8308	1.20557	0.48038	2.509618	0.012086	0.16193	ENSMUSG0 Tubb2b
ENSMUSG0	305.2201	-0.54366	0.216635	-2.50955	0.012088	0.16193	ENSMUSG0 H4c9
ENSMUSG0	17240.44	-0.38076	0.151762	-2.50896	0.012109	0.161977	ENSMUSG0 Cd164
ENSMUSG0	244.2235	0.487346	0.194265	2.508666	0.012119	0.161999	ENSMUSG0 Adcy3
ENSMUSG0	133.2784	1.238331	0.493698	2.508279	0.012132	0.162065	ENSMUSG0 Mmp2
ENSMUSG0	4.278872	3.001641	1.196985	2.507668	0.012153	0.162232	ENSMUSG09630014M:
ENSMUSG0	41.4715	-0.93837	0.374348	-2.50667	0.012188	0.16258	ENSMUSG0C030029HC
ENSMUSG0	4.358926	2.994239	1.195032	2.505573	0.012225	0.162829	ENSMUSG0 Gm14137
ENSMUSG0	25.84799	0.969152	0.386911	2.504841	0.012251	0.162829	ENSMUSG0 Rarb
ENSMUSG0	776.3749	0.454892	0.181629	2.504517	0.012262	0.162829	ENSMUSG0 Il17rc
ENSMUSG0	71.55032	0.755588	0.301704	2.504397	0.012266	0.162829	ENSMUSG0 Agtr1a
ENSMUSG0	18.50389	2.594821	1.036223	2.504114	0.012276	0.162829	ENSMUSG0 Adamdec1
ENSMUSG0	136.559	-0.56464	0.225489	-2.50408	0.012277	0.162829	ENSMUSG0 Zfp94
ENSMUSG0	55.8306	-0.72283	0.288678	-2.50394	0.012282	0.162829	ENSMUSG0 Gm50394
ENSMUSG0	1170.942	-0.51049	0.203875	-2.50392	0.012282	0.162829	ENSMUSG0 Bet1
ENSMUSG0	154.9771	1.52649	0.60985	2.503057	0.012313	0.163116	ENSMUSG0 Wfdc2
ENSMUSG0	135.9362	0.598608	0.239217	2.502364	0.012337	0.163323	ENSMUSG0 Syde1
ENSMUSG0	516.8427	-0.45068	0.180193	-2.50108	0.012382	0.163805	ENSMUSG0 Apbb2
ENSMUSG0	40.57023	1.306258	0.522439	2.500307	0.012409	0.164024	ENSMUSG0 Gfap
ENSMUSG0	9.19417	1.475757	0.590275	2.500118	0.012415	0.164024	ENSMUSG0 Slc35f3
ENSMUSG0	12.66066	1.513539	0.605974	2.497696	0.0125	0.164974	ENSMUSG0 Nrg3
ENSMUSG0	1392.984	0.633993	0.25385	2.497514	0.012507	0.164974	ENSMUSG0 Lrp1
ENSMUSG0	10.5717	1.753832	0.70228	2.497342	0.012513	0.164974	ENSMUSG0 Lrfn5
ENSMUSG0	3132.767	0.360218	0.144304	2.496248	0.012551	0.16537	ENSMUSG0 Ctnna1
ENSMUSG0	8.509526	1.971183	0.789835	2.495689	0.012571	0.165517	ENSMUSG01700087I21
ENSMUSG0	818.8899	-0.47113	0.188814	-2.49519	0.012589	0.165635	ENSMUSG0 Baiap2
ENSMUSG0	306.6777	0.418791	0.167907	2.494183	0.012625	0.165994	ENSMUSG0 Lysmd4
ENSMUSG0	799.3179	0.480605	0.192719	2.493804	0.012638	0.166058	ENSMUSG0 Golm1
ENSMUSG0	253.6331	0.486605	0.19516	2.493358	0.012654	0.166153	ENSMUSG0 Dtx4
ENSMUSG0	838.215	0.488014	0.195813	2.492252	0.012694	0.166558	ENSMUSG0 Septin8
ENSMUSG0	222.1724	0.979249	0.393132	2.490888	0.012742	0.167085	ENSMUSG0 Sv2c
ENSMUSG0	441.9436	-0.4812	0.193223	-2.4904	0.01276	0.167201	ENSMUSG0 Mtmr11
ENSMUSG0	201.2656	0.521245	0.209343	2.489905	0.012778	0.167257	ENSMUSG0 Gpsm2
ENSMUSG0	17.29023	1.341742	0.538905	2.489756	0.012783	0.167257	ENSMUSG0 Arpp21
ENSMUSG0	300.7165	1.197668	0.481077	2.489555	0.01279	0.167257	ENSMUSG0 Dkk3
ENSMUSG0	25.09954	-0.93254	0.374631	-2.48923	0.012802	0.167295	ENSMUSG0 Rptoros
ENSMUSG0	137.3268	1.196769	0.480855	2.488836	0.012816	0.167367	ENSMUSG0 Clcf1
ENSMUSG0	8.48118	1.345416	0.540709	2.488244	0.012838	0.167533	ENSMUSG0 Gm35721
ENSMUSG0	163.9524	0.73654	0.296061	2.487797	0.012854	0.16763	ENSMUSG0 Tvp23a
ENSMUSG0	472.695	0.446278	0.179481	2.486487	0.012901	0.167981	ENSMUSG0 Sestd1
ENSMUSG0	212.3474	-0.46775	0.188126	-2.48635	0.012906	0.167981	ENSMUSG0Tmem150a
ENSMUSG0	959.9015	0.833522	0.335249	2.486276	0.012909	0.167981	ENSMUSG0 Fam107b
ENSMUSG0	23.62596	-1.55495	0.62546	-2.48609	0.012916	0.167981	ENSMUSG0 Olfr1322

ENSMUSG0	1421.923	-0.5024	0.202172	-2.48501	0.012955	0.168377	ENSMUSG0 Tmem33
ENSMUSG0	130.4667	0.558792	0.224912	2.484489	0.012974	0.16851	ENSMUSG0 Nhirc1
ENSMUSG0	141.4536	1.34632	0.542008	2.483948	0.012993	0.168604	ENSMUSG0 Synpo2
ENSMUSG0	62.37779	0.883194	0.3556	2.483672	0.013004	0.168604	ENSMUSG0 Hey2
ENSMUSG0	1163.953	-0.29301	0.117981	-2.48357	0.013007	0.168604	ENSMUSG0 Osbpl5
ENSMUSG0	3.975592	-2.28312	0.91947	-2.48308	0.013025	0.168722	ENSMUSG0 Spaca4
ENSMUSG0	609.3115	-0.54109	0.217985	-2.48224	0.013056	0.168857	ENSMUSG0 Sdccag8
ENSMUSG0	549.1451	1.226074	0.493988	2.481991	0.013065	0.168857	ENSMUSG0 Nsg2
ENSMUSG0	90.6883	0.563658	0.22711	2.481873	0.013069	0.168857	ENSMUSG0 Drc3
ENSMUSG0	1007.229	-0.33772	0.136076	-2.48184	0.013071	0.168857	ENSMUSG0 Slc25a28
ENSMUSG0	67.15638	-0.57872	0.233316	-2.48043	0.013122	0.169338	ENSMUSG0 1700094D0
ENSMUSG0	3812.398	-0.68144	0.274736	-2.48034	0.013126	0.169338	ENSMUSG0 Il6ra
ENSMUSG0	209.2106	0.510289	0.205785	2.479715	0.013149	0.169477	ENSMUSG0 Rnf112
ENSMUSG0	114.3004	1.622786	0.654462	2.479574	0.013154	0.169477	ENSMUSG0 Bcl11b
ENSMUSG0	40.25995	1.537669	0.620241	2.479148	0.01317	0.169566	ENSMUSG0 Itgae
ENSMUSG0	182.9517	1.547915	0.624659	2.478015	0.013212	0.169992	ENSMUSG0 Kcne3
ENSMUSG0	965.346	-0.33338	0.134607	-2.47671	0.01326	0.170442	ENSMUSG0 Coq9
ENSMUSG0	165.3659	0.745205	0.300899	2.476594	0.013264	0.170442	ENSMUSG0 Prr36
ENSMUSG0	97.53665	0.703783	0.284263	2.475821	0.013293	0.170697	ENSMUSG0 Sytl2
ENSMUSG0	908.0631	1.072375	0.433202	2.475465	0.013306	0.170754	ENSMUSG0 Anxa3
ENSMUSG0	238.8894	1.319393	0.533061	2.475128	0.013319	0.170801	ENSMUSG0 Chrna3
ENSMUSG0	818.7978	0.476122	0.192403	2.474616	0.013338	0.170932	ENSMUSG0 Fgfr1
ENSMUSG0	7787.902	0.349113	0.141124	2.473803	0.013368	0.171208	ENSMUSG0 Gaa
ENSMUSG0	36.8125	0.806388	0.326093	2.472873	0.013403	0.171539	ENSMUSG0 Nexmif
ENSMUSG0	10.45469	1.733111	0.700995	2.47236	0.013422	0.171576	ENSMUSG0 Hecw1
ENSMUSG0	450.7736	0.340041	0.137539	2.472321	0.013424	0.171576	ENSMUSG0 Crat
ENSMUSG0	4.570829	-2.16332	0.875207	-2.47178	0.013444	0.171625	ENSMUSG0 Gm48438
ENSMUSG0	97.81389	-0.70508	0.285257	-2.47174	0.013446	0.171625	ENSMUSG0 Tmprss6
ENSMUSG0	201.02	0.493814	0.199812	2.471391	0.013459	0.171681	ENSMUSG0 Adora2a
ENSMUSG0	64.53045	0.934831	0.378335	2.470907	0.013477	0.171799	ENSMUSG0 Fam89a
ENSMUSG0	1048.393	-0.39001	0.157907	-2.46986	0.013517	0.172188	ENSMUSG0 Trappc6b
ENSMUSG0	144.4682	1.344631	0.544683	2.468649	0.013562	0.172658	ENSMUSG0 Colq
ENSMUSG0	51.49418	1.180072	0.478216	2.467657	0.0136	0.173023	ENSMUSG0 Dpysl4
ENSMUSG0	219.9758	-0.43168	0.175098	-2.46536	0.013688	0.17402	ENSMUSG0 Cables1
ENSMUSG0	211.43	0.532966	0.216208	2.465065	0.013699	0.174049	ENSMUSG0 Sdr42e1
ENSMUSG0	334.8471	0.661582	0.268484	2.464142	0.013734	0.174383	ENSMUSG0 Pgm2l1
ENSMUSG0	14.24089	1.69602	0.688509	2.463323	0.013766	0.174567	ENSMUSG0 Apol8
ENSMUSG0	3.113082	3.703076	1.503385	2.463159	0.013772	0.174567	ENSMUSG0 Clec4g
ENSMUSG0	1339.583	-0.52902	0.214782	-2.46305	0.013776	0.174567	ENSMUSG0 Gpr27
ENSMUSG0	19.7427	1.182028	0.479985	2.462633	0.013792	0.174658	ENSMUSG0 Ptchd1
ENSMUSG0	1012.292	0.672727	0.273217	2.462244	0.013807	0.174727	ENSMUSG0 Crip2
ENSMUSG0	697.2658	-0.5175	0.210193	-2.46202	0.013816	0.174727	ENSMUSG0 Zc3h3
ENSMUSG0	18.46971	1.093172	0.444301	2.460431	0.013877	0.175315	ENSMUSG0 Car12
ENSMUSG0	1342.857	-0.31016	0.126065	-2.46034	0.01388	0.175315	ENSMUSG0 Egl1
ENSMUSG0	7080.717	-0.41689	0.169553	-2.45874	0.013943	0.175895	ENSMUSG0 Slc2a5
ENSMUSG0	13.55863	2.824032	1.148612	2.458648	0.013946	0.175895	ENSMUSG0 Hhip12
ENSMUSG0	19.77846	-1.33013	0.541042	-2.45845	0.013954	0.175895	ENSMUSG0 Gm15821
ENSMUSG0	3368.857	-0.66968	0.272445	-2.45802	0.01397	0.175989	ENSMUSG0 Ociad2
ENSMUSG0	17.35774	1.097484	0.446642	2.457191	0.014003	0.176282	ENSMUSG0 Ccdc74a
ENSMUSG0	13.23024	2.653334	1.080085	2.456598	0.014026	0.176457	ENSMUSG0 Oprd1
ENSMUSG0	151.3905	-0.54169	0.220527	-2.45636	0.014035	0.176457	ENSMUSG0 Pparg
ENSMUSG0	4.714016	4.190398	1.706951	2.454903	0.014092	0.177044	ENSMUSG0 Igkv9-129

ENSMUSG0	80.88814	1.310756	0.533995	2.454622	0.014103	0.177044	ENSMUSG0 Asb2
ENSMUSG0	96.50385	0.684109	0.27872	2.454465	0.014109	0.177044	ENSMUSG0 Myorg
ENSMUSG0	1117.21	-0.35099	0.143048	-2.45362	0.014143	0.177347	ENSMUSG0 Tmub2
ENSMUSG0	142.5221	0.810366	0.330481	2.452076	0.014203	0.177992	ENSMUSG0 Shisa4
ENSMUSG0	492.1842	-0.92511	0.37737	-2.45146	0.014228	0.178183	ENSMUSG0 Gabbr2
ENSMUSG0	24.8922	-0.90294	0.368489	-2.45038	0.014271	0.1786	ENSMUSG0 Gm2861
ENSMUSG0	46.80722	1.220767	0.49836	2.449569	0.014303	0.178658	ENSMUSG0 Nwd2
ENSMUSG0	211.8316	0.460438	0.187967	2.449561	0.014303	0.178658	ENSMUSG0 Pald1
ENSMUSG0	2571.857	-1.22908	0.501979	-2.44847	0.014346	0.179083	ENSMUSG0 Spink1
ENSMUSG0	3429.925	-0.30101	0.123047	-2.44633	0.014432	0.180035	ENSMUSG0 Gosr2
ENSMUSG0	272.0545	0.468982	0.19177	2.445545	0.014463	0.180309	ENSMUSG0 Yap1
ENSMUSG0	956.3635	-0.61068	0.249875	-2.44396	0.014527	0.180877	ENSMUSG0 Vps8
ENSMUSG0	392.6395	0.604656	0.24741	2.443943	0.014528	0.180877	ENSMUSG0 Napb
ENSMUSG0	174.4324	0.767588	0.314218	2.442856	0.014572	0.181306	ENSMUSG0 Olfml3
ENSMUSG0	580.5332	-0.40316	0.165095	-2.442	0.014606	0.181616	ENSMUSG0 Crb3
ENSMUSG0	3775.647	-0.57167	0.234123	-2.44174	0.014616	0.18163	ENSMUSG0 Edem2
ENSMUSG0	2472.488	-1.21264	0.496733	-2.44123	0.014637	0.181772	ENSMUSG0 Nupr1
ENSMUSG0	21.86955	1.191112	0.488245	2.439579	0.014704	0.182486	ENSMUSG0 Elfn2
ENSMUSG0	317.3963	0.41208	0.168971	2.438759	0.014738	0.182783	ENSMUSG0 Efr3b
ENSMUSG0	80.16344	0.831171	0.340981	2.437589	0.014786	0.183087	ENSMUSG0 Atp7b
ENSMUSG0	476.1574	0.479044	0.19653	2.437509	0.014789	0.183087	ENSMUSG0 Rin2
ENSMUSG0	9.534391	2.103544	0.863089	2.437226	0.0148	0.183087	ENSMUSG0 Sh2d6
ENSMUSG0	2067.343	-0.31386	0.128837	-2.43607	0.014848	0.183555	ENSMUSG0 Sgpp1
ENSMUSG0	373.4909	0.512968	0.210653	2.43514	0.014886	0.18391	ENSMUSG0 Vgll4
ENSMUSG0	4.316895	2.237402	0.919114	2.434303	0.01492	0.184164	ENSMUSG0 AC156546.1
ENSMUSG0	275.9268	0.649283	0.266742	2.434122	0.014928	0.184164	ENSMUSG0 Pear1
ENSMUSG0	1320.118	-0.62193	0.255522	-2.43394	0.014935	0.184164	ENSMUSG0 Myo10
ENSMUSG0	2286.07	-0.45741	0.187965	-2.43351	0.014953	0.184264	ENSMUSG0 Txnl1
ENSMUSG0	72.80521	0.719619	0.295817	2.432653	0.014989	0.184585	ENSMUSG0 Arhgap8
ENSMUSG0	386.9368	0.720129	0.296065	2.432335	0.015002	0.184629	ENSMUSG0 Mcm5
ENSMUSG0	2148.902	-0.33926	0.139702	-2.42846	0.015163	0.186358	ENSMUSG0 Elovl5
ENSMUSG0	23.24404	-1.0661	0.439008	-2.42844	0.015164	0.186358	ENSMUSG0 H2ac8
ENSMUSG0	9.333302	3.087715	1.271684	2.428052	0.01518	0.186358	ENSMUSG0 Cfd
ENSMUSG0	338.1115	0.693887	0.285823	2.427679	0.015196	0.186358	ENSMUSG0 Cryab
ENSMUSG0	9.298234	1.537169	0.633206	2.427598	0.015199	0.186358	ENSMUSG0 Dlx2
ENSMUSG0	203.3935	0.515042	0.212164	2.427568	0.0152	0.186358	ENSMUSG0 Tpd52l1
ENSMUSG0	88.47367	1.104062	0.455	2.426509	0.015245	0.186783	ENSMUSG0 Kif23
ENSMUSG0	884.7447	-0.523	0.215709	-2.42454	0.015328	0.187678	ENSMUSG0 Runx1t1
ENSMUSG0	1330.91	-0.58777	0.24245	-2.42431	0.015337	0.187678	ENSMUSG0 Cars
ENSMUSG0	215.2805	0.467832	0.193028	2.423647	0.015366	0.187903	ENSMUSG0 Sertad4
ENSMUSG0	250.7715	0.560722	0.231408	2.42309	0.015389	0.187977	ENSMUSG0 Fhod1
ENSMUSG0	13.84545	-1.04549	0.431476	-2.42304	0.015391	0.187977	ENSMUSG0 H4c1
ENSMUSG0	231.2352	1.488295	0.614368	2.42248	0.015415	0.188149	ENSMUSG0 Cplx1
ENSMUSG0	1817.319	0.583522	0.24106	2.420648	0.015493	0.188971	ENSMUSG0 Slc29a4
ENSMUSG0	130.3699	0.970383	0.400913	2.420434	0.015502	0.188971	ENSMUSG0 Chrn4
ENSMUSG0	458.8961	-0.52885	0.218521	-2.42012	0.015515	0.189013	ENSMUSG0 Tmem42
ENSMUSG0	290.8904	-0.44954	0.185794	-2.41958	0.015538	0.189176	ENSMUSG0 Nr1h4
ENSMUSG0	13.93305	1.275144	0.527247	2.418492	0.015585	0.189571	ENSMUSG0 C1ql1
ENSMUSG0	196.4525	-0.38464	0.159049	-2.41836	0.015591	0.189571	ENSMUSG0 Det1
ENSMUSG0	304.1663	-0.91478	0.378569	-2.41642	0.015674	0.190464	ENSMUSG0 Slc6a19
ENSMUSG0	76.21707	0.864387	0.357997	2.414511	0.015756	0.191344	ENSMUSG0 Tead3
ENSMUSG0	353.0798	-0.38979	0.161476	-2.41393	0.015782	0.191409	ENSMUSG0 Sarm1

ENSMUSG0	782.9254	-0.4059	0.168148	-2.41393	0.015782	0.191409	ENSMUSG0	Atg16l2
ENSMUSG0	32.78827	-0.72332	0.299738	-2.41317	0.015814	0.191555	ENSMUSG0	Mylpf
ENSMUSG0	806.2015	-0.4331	0.179484	-2.41306	0.015819	0.191555	ENSMUSG0	Sobp
ENSMUSG0	18.4472	-1.30392	0.540423	-2.41278	0.015832	0.191555	ENSMUSG0	Gm48998
ENSMUSG0	667.1045	-0.49838	0.206575	-2.4126	0.015839	0.191555	ENSMUSG0	Abhd15
ENSMUSG0	27.7939	-1.14699	0.475434	-2.4125	0.015843	0.191555	ENSMUSG0	Gm42841
ENSMUSG0	4.338985	-2.31167	0.958396	-2.41202	0.015864	0.191686	ENSMUSG0	Gm8696
ENSMUSG0	8.099247	-2.46429	1.021807	-2.41169	0.015879	0.191739	ENSMUSG0	Grm4
ENSMUSG0	163.6091	0.825503	0.342364	2.411188	0.015901	0.191807	ENSMUSG0	Rest
ENSMUSG0	6.250114	-2.7962	1.159979	-2.41056	0.015928	0.19182	ENSMUSG0	Xkr9
ENSMUSG0	436.422	0.73157	0.303506	2.410398	0.015935	0.19182	ENSMUSG0	Serinc2
ENSMUSG0	616.8379	-0.40423	0.167701	-2.4104	0.015935	0.19182	ENSMUSG0	Ttc38
ENSMUSG0	62.71349	0.69413	0.288213	2.408396	0.016023	0.192594	ENSMUSG0	Rbm11
ENSMUSG0	103.6	-0.52325	0.217278	-2.40821	0.016031	0.192594	ENSMUSG0	Gm13003
ENSMUSG0	381.132	-0.61919	0.257129	-2.40808	0.016037	0.192594	ENSMUSG0	Pex11g
ENSMUSG0	427.4204	-0.43892	0.182277	-2.40802	0.016039	0.192594	ENSMUSG0	Clba1
ENSMUSG0	376.3799	-0.49436	0.205391	-2.40691	0.016088	0.192984	ENSMUSG0	Rbm19
ENSMUSG0	1294.687	-0.34856	0.144833	-2.4066	0.016102	0.192984	ENSMUSG0	Usf1
ENSMUSG0	24.93165	-0.97406	0.404841	-2.40604	0.016126	0.193058	ENSMUSG0	Slc23a4
ENSMUSG0	373.561	-0.55669	0.231388	-2.40587	0.016134	0.193058	ENSMUSG0	Tmtc2
ENSMUSG0	26.12002	0.943486	0.392176	2.405771	0.016138	0.193058	ENSMUSG0	Gm17396
ENSMUSG0	29.62329	2.073388	0.862047	2.405192	0.016164	0.193245	ENSMUSG0	Serpina1e
ENSMUSG0	231.6142	0.87906	0.365645	2.404134	0.016211	0.193564	ENSMUSG0	Slc2a3
ENSMUSG0	3.258542	3.69131	1.536342	2.402662	0.016276	0.194104	ENSMUSG0	Gm12537
ENSMUSG0	2797.085	0.316862	0.131938	2.401596	0.016324	0.19455	ENSMUSG0	Jup
ENSMUSG0	36.14996	0.779398	0.324661	2.400649	0.016366	0.194933	ENSMUSG0	Prrg1
ENSMUSG0	159.5006	1.430421	0.596019	2.399959	0.016397	0.19518	ENSMUSG0	Faim2
ENSMUSG0	16.93477	1.514075	0.631116	2.399045	0.016438	0.195547	ENSMUSG0	Adamts16
ENSMUSG0	362.7133	-0.48459	0.202087	-2.39793	0.016488	0.195858	ENSMUSG0	Rhbdl3
ENSMUSG0	934.8442	0.355925	0.148432	2.397894	0.01649	0.195858	ENSMUSG0	Pacsln2
ENSMUSG0	6.075126	-1.7815	0.742977	-2.39778	0.016495	0.195858	ENSMUSG0	Gdf3
ENSMUSG0	24.48477	0.791729	0.33028	2.397146	0.016523	0.196078	ENSMUSG0	C230062116
ENSMUSG0	551.8251	0.355718	0.148468	2.395925	0.016579	0.196612	ENSMUSG0	Rusc2
ENSMUSG0	220.1863	-0.49198	0.205436	-2.39481	0.016629	0.197088	ENSMUSG0	Akain1
ENSMUSG0	259.995	0.73036	0.305011	2.394539	0.016641	0.197113	ENSMUSG0	Cdo1
ENSMUSG0	3.634625	3.28874	1.374263	2.393094	0.016707	0.197504	ENSMUSG0	Tdrd6
ENSMUSG0	626.48	0.739224	0.3089	2.393086	0.016707	0.197504	ENSMUSG0	Mal2
ENSMUSG0	348.1072	-0.33339	0.139347	-2.39249	0.016734	0.197504	ENSMUSG0	Rcl1
ENSMUSG0	58.35105	1.094918	0.457669	2.392378	0.01674	0.197504	ENSMUSG0	Bnip5
ENSMUSG0	1432.656	0.502949	0.210237	2.392297	0.016743	0.197504	ENSMUSG0	Ppfibp1
ENSMUSG0	55.2894	-1.65341	0.691211	-2.39205	0.016754	0.197504	ENSMUSG0	Tm6sf2
ENSMUSG0	12.51267	1.376364	0.575428	2.391896	0.016762	0.197504	ENSMUSG0	Gm12688
ENSMUSG0	36.78313	1.3907	0.581428	2.391868	0.016763	0.197504	ENSMUSG0	Vtcn1
ENSMUSG0	201.5111	0.529153	0.221253	2.39162	0.016774	0.197504	ENSMUSG0	Adgrl2
ENSMUSG0	1147.792	-0.35226	0.147316	-2.39119	0.016794	0.197504	ENSMUSG0	Alg1
ENSMUSG0	377.6682	-1.2091	0.505648	-2.39118	0.016794	0.197504	ENSMUSG0	Reg3d
ENSMUSG0	3452.32	0.606783	0.253772	2.391051	0.0168	0.197504	ENSMUSG0	Dbpht2
ENSMUSG0	54.30383	0.838638	0.350764	2.390887	0.016808	0.197504	ENSMUSG0	Oprl1
ENSMUSG0	173.8475	0.896952	0.375246	2.390305	0.016834	0.197696	ENSMUSG0	Ngfr
ENSMUSG0	219.2059	1.133799	0.474498	2.389471	0.016873	0.197971	ENSMUSG0	Avil
ENSMUSG0	735.4539	-0.30067	0.125839	-2.38935	0.016878	0.197971	ENSMUSG0	Ciao3
ENSMUSG0	450.1923	0.990305	0.414769	2.387605	0.016959	0.19879	ENSMUSG0	Ccdc88c

ENSMUSG0	214.4335	0.477877	0.200195	2.387056	0.016984	0.198966	ENSMUSG0 Kihl5
ENSMUSG0	34.32	0.958096	0.401434	2.386683	0.017001	0.198984	ENSMUSG0 Sync
ENSMUSG0	3430.263	-0.38875	0.162891	-2.38657	0.017006	0.198984	ENSMUSG0 Dazap2
ENSMUSG0	57.79586	0.795155	0.333246	2.38609	0.017029	0.199126	ENSMUSG0 Tuba8
ENSMUSG0	1198.977	-1.00689	0.422117	-2.38534	0.017063	0.199411	ENSMUSG0 Ggh
ENSMUSG0	420.4193	-0.52961	0.222083	-2.38475	0.017091	0.199441	ENSMUSG0 Helq
ENSMUSG0	491.8428	0.914542	0.383509	2.38467	0.017094	0.199441	ENSMUSG0 Itgb4
ENSMUSG0	108.2496	-0.66953	0.280771	-2.38461	0.017097	0.199441	ENSMUSG0 Gm50268
ENSMUSG0	14.44675	1.617824	0.678631	2.383953	0.017128	0.199679	ENSMUSG0 Adamts20
ENSMUSG0	252.3272	0.664159	0.278808	2.382137	0.017212	0.200243	ENSMUSG0 Lrrk1
ENSMUSG0	49.82969	1.08171	0.454101	2.382091	0.017215	0.200243	ENSMUSG0 Abcb1b
ENSMUSG0	27.67058	0.911728	0.382748	2.382059	0.017216	0.200243	ENSMUSG0 Cemip
ENSMUSG0	1778.954	-0.48921	0.205374	-2.38202	0.017218	0.200243	ENSMUSG0 Sgpl1
ENSMUSG0	25.56042	-7.19896	3.025544	-2.37939	0.017341	0.201555	ENSMUSG0 Muc5ac
ENSMUSG0	1239.243	-0.40272	0.169322	-2.3784	0.017388	0.201978	ENSMUSG0 Slc50a1
ENSMUSG0	776.4945	-0.42137	0.177193	-2.37803	0.017405	0.202057	ENSMUSG0 Vac14
ENSMUSG0	118.978	-0.55117	0.231799	-2.37779	0.017417	0.202066	ENSMUSG0 Tsku
ENSMUSG0	68.86826	-0.7642	0.321592	-2.37629	0.017487	0.202363	ENSMUSG0C130013HC
ENSMUSG0	4.385554	2.65686	1.118097	2.376233	0.01749	0.202363	ENSMUSG0 Igfn1
ENSMUSG0	425.3288	0.578022	0.243254	2.376209	0.017492	0.202363	ENSMUSG0 Ptprd
ENSMUSG0	279.3424	0.766802	0.322711	2.376126	0.017495	0.202363	ENSMUSG0 Prkaa2
ENSMUSG0	197.0298	-0.66182	0.278549	-2.37593	0.017505	0.202363	ENSMUSG0 Plppr1
ENSMUSG0	174.5339	0.705193	0.296808	2.375919	0.017505	0.202363	ENSMUSG0 Gm19412
ENSMUSG0	425.1633	-0.3451	0.145335	-2.3745	0.017573	0.203022	ENSMUSG0 Ddx31
ENSMUSG0	50.37813	1.366381	0.575593	2.373866	0.017603	0.203161	ENSMUSG0 Mst1r
ENSMUSG0	188.4367	0.50832	0.214138	2.373801	0.017606	0.203161	ENSMUSG0 Ankrd6
ENSMUSG0	305.1944	0.773005	0.325686	2.373468	0.017622	0.203205	ENSMUSG0 Ecm1
ENSMUSG0	260.4337	-0.64812	0.273102	-2.37317	0.017636	0.203205	ENSMUSG0 Irs1
ENSMUSG0	7.641351	1.901319	0.801211	2.373057	0.017642	0.203205	ENSMUSG0 Grhl3
ENSMUSG0	1288.972	-0.41371	0.174441	-2.37166	0.017708	0.203852	ENSMUSG0 Mob4
ENSMUSG0	47.20503	0.872893	0.368219	2.370577	0.01776	0.204329	ENSMUSG0 Ankrd45
ENSMUSG0	367.182	-0.56237	0.237377	-2.3691	0.017832	0.205027	ENSMUSG0 Pde1c
ENSMUSG0	174.7196	0.789508	0.333354	2.368375	0.017866	0.205304	ENSMUSG0 Phtf2
ENSMUSG0	276.9345	-0.57993	0.245002	-2.36706	0.01793	0.205914	ENSMUSG0 Tle6
ENSMUSG0	106.1545	-0.55919	0.23633	-2.36613	0.017975	0.206306	ENSMUSG0 Sp3os
ENSMUSG0	86.4764	1.099662	0.464872	2.365514	0.018005	0.206527	ENSMUSG0 Lrrc75b
ENSMUSG0	91.19288	0.775578	0.32795	2.364928	0.018034	0.206731	ENSMUSG0 Lrrn3
ENSMUSG0	3.104747	-2.66106	1.125521	-2.36429	0.018065	0.206868	ENSMUSG0 Gm11261
ENSMUSG0	348.5356	-0.69475	0.293858	-2.36424	0.018067	0.206868	ENSMUSG0 Hacd2
ENSMUSG0	12.18174	1.602348	0.677889	2.363733	0.018092	0.207028	ENSMUSG0 Ncan
ENSMUSG0	14.68444	1.463105	0.619293	2.36254	0.01815	0.207452	ENSMUSG0 Evi2
ENSMUSG0	1463.984	-0.68677	0.29069	-2.36253	0.01815	0.207452	ENSMUSG0 Rasd1
ENSMUSG0	949.8031	-0.44864	0.190085	-2.36024	0.018263	0.208585	ENSMUSG0 Reep3
ENSMUSG0	7.334804	1.29903	0.550419	2.360075	0.018271	0.208585	ENSMUSG0 Mkrn3
ENSMUSG0	1246.382	-0.31173	0.132122	-2.35942	0.018304	0.20883	ENSMUSG0 Pcbp3
ENSMUSG0	1255.177	-0.3058	0.129728	-2.3572	0.018413	0.209956	ENSMUSG0 Kcmf1
ENSMUSG0	7.563323	1.515082	0.642942	2.356481	0.018449	0.210164	ENSMUSG0 Armc3
ENSMUSG0	996.3316	-0.346	0.146836	-2.3564	0.018453	0.210164	ENSMUSG0 Rai1
ENSMUSG0	706.1602	-0.33861	0.14373	-2.35592	0.018477	0.21031	ENSMUSG0 Asb13
ENSMUSG0	44.4195	1.419866	0.603038	2.35452	0.018547	0.210978	ENSMUSG0 Efn4
ENSMUSG0	13.0614	1.817366	0.772065	2.353903	0.018577	0.211203	ENSMUSG0 Foxp3
ENSMUSG0	10.18375	1.270267	0.540088	2.351963	0.018675	0.212183	ENSMUSG0 Sox8

ENSMUSG0	49.47919	-0.57022	0.242675	-2.34972	0.018788	0.213341	ENSMUSG0 Gm13421
ENSMUSG0	3.833947	-3.59619	1.53075	-2.3493	0.018809	0.213456	ENSMUSG0 Cwh43
ENSMUSG0	696.3538	-0.61285	0.260949	-2.34857	0.018846	0.213749	ENSMUSG0 Pycr1
ENSMUSG0	3077.259	-0.30479	0.129795	-2.34825	0.018862	0.213804	ENSMUSG02310022B0
ENSMUSG0	1110.889	-0.40249	0.171443	-2.34764	0.018893	0.214029	ENSMUSG0 Ildr1
ENSMUSG0	272.9211	0.463674	0.197529	2.347369	0.018907	0.214059	ENSMUSG0 Oplah
ENSMUSG0	29.97558	3.434847	1.463772	2.346572	0.018947	0.21429	ENSMUSG0 Ighv1-50
ENSMUSG0	384.9657	0.733505	0.312592	2.346528	0.018949	0.21429	ENSMUSG0 Als2cl
ENSMUSG0	9.950807	2.128287	0.907671	2.344778	0.019038	0.215172	ENSMUSG0 Disp3
ENSMUSG0	15.7052	-1.10516	0.471499	-2.34392	0.019082	0.215509	ENSMUSG0 Ankrd34c
ENSMUSG0	594.2401	-0.43163	0.184181	-2.34352	0.019103	0.215509	ENSMUSG0 Fam122a
ENSMUSG0	3.606159	3.432773	1.464939	2.343288	0.019115	0.215509	ENSMUSG0 Slc4a9
ENSMUSG0	489.9671	0.597622	0.255044	2.343212	0.019118	0.215509	ENSMUSG0 Proser2
ENSMUSG0	14.12505	1.314579	0.561043	2.3431	0.019124	0.215509	ENSMUSG0 Fyb2
ENSMUSG0	2132.881	-0.42768	0.182578	-2.34242	0.019159	0.215683	ENSMUSG0 Gck
ENSMUSG0	593.3417	-0.49885	0.212968	-2.34236	0.019162	0.215683	ENSMUSG0 Tlr2
ENSMUSG0	129.3289	-0.6195	0.26485	-2.33905	0.019333	0.217349	ENSMUSG01700096K1
ENSMUSG0	5427.482	-0.3175	0.135765	-2.33863	0.019355	0.217467	ENSMUSG0 Napa
ENSMUSG0	8542.172	-0.53312	0.228017	-2.33805	0.019385	0.217679	ENSMUSG0 Mafa
ENSMUSG0	15.16494	-1.61587	0.691326	-2.33735	0.019421	0.217932	ENSMUSG0 Gm17040
ENSMUSG0	9.896833	-1.33581	0.571546	-2.33718	0.01943	0.217932	ENSMUSG04933428C1
ENSMUSG0	3.588485	2.51433	1.076107	2.336506	0.019465	0.218197	ENSMUSG0 Atp6v0d2
ENSMUSG0	1895.749	-0.44664	0.191266	-2.3352	0.019533	0.218833	ENSMUSG0D5Ert579e
ENSMUSG0	142.6766	-0.55602	0.238156	-2.33469	0.01956	0.21895	ENSMUSG0 Gm15663
ENSMUSG0	4628.77	-0.282	0.120792	-2.33456	0.019566	0.21895	ENSMUSG0 Fam102a
ENSMUSG0	35.24927	1.091645	0.467666	2.33424	0.019583	0.219012	ENSMUSG0 Mmp28
ENSMUSG0	1497.755	1.156731	0.495763	2.333236	0.019636	0.219473	ENSMUSG0 Col1a1
ENSMUSG0	245.3785	0.45915	0.196878	2.332161	0.019692	0.219977	ENSMUSG0 Wwc2
ENSMUSG0	982.8738	-1.26789	0.543943	-2.33092	0.019758	0.220579	ENSMUSG0 Gal
ENSMUSG0	17.7973	1.157179	0.496563	2.330375	0.019786	0.220771	ENSMUSG0E330040D1
ENSMUSG0	26.06526	1.311818	0.563171	2.329342	0.019841	0.221253	ENSMUSG0 Dnaaf3
ENSMUSG0	309.0886	0.804741	0.345523	2.329053	0.019856	0.221295	ENSMUSG0 Apod
ENSMUSG0	1122.024	-0.44527	0.191224	-2.32852	0.019884	0.221481	ENSMUSG0 P2rx4
ENSMUSG0	587.3649	0.566952	0.243757	2.325894	0.020024	0.222792	ENSMUSG0 Iqsec1
ENSMUSG0	633.6153	-0.42768	0.183889	-2.32577	0.020031	0.222792	ENSMUSG0 Tbc1d5
ENSMUSG0	110.7526	1.274745	0.548123	2.325655	0.020037	0.222792	ENSMUSG0 Cend1
ENSMUSG0	3131.217	-0.51185	0.220131	-2.32519	0.020062	0.222938	ENSMUSG0 Rabl6
ENSMUSG0	2011.317	-0.43623	0.187747	-2.32351	0.020152	0.223711	ENSMUSG04930402H2
ENSMUSG0	534.697	0.490475	0.211097	2.32346	0.020154	0.223711	ENSMUSG0 Fyn
ENSMUSG0	22132.17	-0.43686	0.188059	-2.32298	0.02018	0.22387	ENSMUSG0 Abcc8
ENSMUSG0	250.8545	0.785036	0.338062	2.322164	0.020224	0.224225	ENSMUSG0 Cbr3
ENSMUSG0	6361191	-0.66861	0.287988	-2.32167	0.020251	0.224296	ENSMUSG0 Ins2
ENSMUSG0	1265.585	-0.41326	0.178006	-2.32161	0.020254	0.224296	ENSMUSG0 Sfxn2
ENSMUSG0	29.8613	-0.71345	0.307404	-2.32089	0.020293	0.2246	ENSMUSG0AC115752.1
ENSMUSG0	757.6238	0.455519	0.196354	2.319887	0.020347	0.225069	ENSMUSG0 Slco3a1
ENSMUSG0	65.23771	0.831463	0.358477	2.319432	0.020372	0.225212	ENSMUSG0 Tril
ENSMUSG0	3.079461	-5.34327	2.304837	-2.31829	0.020434	0.225613	ENSMUSG0 Gm5512
ENSMUSG0	2215.994	-0.63099	0.272191	-2.31818	0.02044	0.225613	ENSMUSG0 Sec24d
ENSMUSG0	95.72764	1.006385	0.43414	2.318114	0.020443	0.225613	ENSMUSG0 Gpr3711
ENSMUSG0	374.3927	1.063027	0.458736	2.317294	0.020488	0.225976	ENSMUSG0 Sh2d4a
ENSMUSG0	1068.096	-0.46672	0.201453	-2.31679	0.020515	0.226148	ENSMUSG0 Lgalsl
ENSMUSG0	909.8166	-0.37868	0.16347	-2.31652	0.02053	0.22618	ENSMUSG0 Fbxo7

ENSMUSG0	2382.749	-0.28947	0.125008	-2.31558	0.020581	0.226548	ENSMUSG0 Rab3a
ENSMUSG0	123.1524	1.010054	0.436218	2.31548	0.020587	0.226548	ENSMUSG0 Gfra4
ENSMUSG0	876.738	-0.3948	0.170537	-2.31507	0.020609	0.226664	ENSMUSG0 Pcgf5
ENSMUSG0	4.522721	-2.12755	0.91936	-2.31417	0.020659	0.227079	ENSMUSG0 Gm49705
ENSMUSG0	5.646239	-2.41325	1.043381	-2.31292	0.020727	0.227488	ENSMUSG0 Gm7502
ENSMUSG0	1924.674	-0.28437	0.122949	-2.31289	0.020729	0.227488	ENSMUSG0 Zdhhc3
ENSMUSG0	37.78427	0.873951	0.377869	2.312843	0.020731	0.227488	ENSMUSG0 Creb5
ENSMUSG0	226.0919	0.339581	0.146874	2.312067	0.020774	0.227827	ENSMUSG0 Ripk2
ENSMUSG0	94.1099	-0.9604	0.415646	-2.31062	0.020854	0.228566	ENSMUSG0 Gm44799
ENSMUSG0	50.92785	0.597183	0.258534	2.309883	0.020895	0.228566	ENSMUSG0 Ube2ql1
ENSMUSG0	398.4988	-0.59868	0.259184	-2.30986	0.020896	0.228566	ENSMUSG0 Rnf138rt1
ENSMUSG0	757.4714	-0.59712	0.258519	-2.30977	0.020901	0.228566	ENSMUSG0 Filip1
ENSMUSG0	635.5641	-0.34257	0.148327	-2.30959	0.020911	0.228566	ENSMUSG0 Poc1b
ENSMUSG0	606.5256	0.315918	0.136787	2.309557	0.020913	0.228566	ENSMUSG0 Mcm7
ENSMUSG0	21.48081	1.171406	0.507288	2.309155	0.020935	0.22868	ENSMUSG0 Cd109
ENSMUSG0	551.5527	0.474317	0.205431	2.30889	0.02095	0.228711	ENSMUSG0 Kif3c
ENSMUSG0	1288.878	-0.51438	0.222954	-2.30712	0.021048	0.229653	ENSMUSG0 Tmem163
ENSMUSG0	41.85346	-1.99035	0.862829	-2.30677	0.021068	0.229738	ENSMUSG0 Kik1b11
ENSMUSG0	175.1544	-0.49251	0.213535	-2.30648	0.021084	0.229784	ENSMUSG0 AL731706.1
ENSMUSG0	467.5168	0.472125	0.204736	2.306016	0.02111	0.229936	ENSMUSG0 Lzts3
ENSMUSG0	100.1885	-0.88532	0.38413	-2.30475	0.021181	0.230242	ENSMUSG0 2900027M:
ENSMUSG0	84.79047	-0.74167	0.321829	-2.30453	0.021193	0.230242	ENSMUSG0 Gm14418
ENSMUSG0	2.990974	-5.29079	2.29583	-2.30452	0.021193	0.230242	ENSMUSG0 Igkv4-54
ENSMUSG0	50.46604	1.534765	0.665994	2.304475	0.021196	0.230242	ENSMUSG0 Bc1
ENSMUSG0	111.2012	0.614727	0.26677	2.304331	0.021204	0.230242	ENSMUSG0 Arhgef4
ENSMUSG0	158.0892	-0.94638	0.410714	-2.30423	0.02121	0.230242	ENSMUSG0 Acvr1c
ENSMUSG0	47.68762	0.606697	0.263352	2.303749	0.021237	0.230406	ENSMUSG0 Plxdc1
ENSMUSG0	878.3279	-0.26068	0.113183	-2.30316	0.02127	0.230608	ENSMUSG0 Hdhd5
ENSMUSG0	756.6377	0.550979	0.239245	2.302991	0.021279	0.230608	ENSMUSG0 Sec23a
ENSMUSG0	25.33568	1.570029	0.681849	2.302607	0.021301	0.230713	ENSMUSG0 Cnga3
ENSMUSG0	6.027227	-2.4128	1.048142	-2.30198	0.021336	0.230965	ENSMUSG0 Gm5409
ENSMUSG0	1295.818	-0.253	0.109961	-2.30081	0.021402	0.231551	ENSMUSG0 Aida
ENSMUSG0	88.36383	0.718579	0.312387	2.300281	0.021432	0.231744	ENSMUSG0 1500004A1
ENSMUSG0	1488.68	0.569654	0.247671	2.300043	0.021446	0.231759	ENSMUSG0 Tnks1bp1
ENSMUSG0	802.7192	-0.31472	0.136855	-2.29963	0.021469	0.231884	ENSMUSG0 Zfp827
ENSMUSG0	1256.376	0.534964	0.232691	2.299037	0.021503	0.232016	ENSMUSG0 Cxadr
ENSMUSG0	5.807077	1.855419	0.80706	2.298986	0.021506	0.232016	ENSMUSG0 Grik1
ENSMUSG0	25.05521	1.17383	0.510693	2.298505	0.021533	0.23218	ENSMUSG0 Meltf
ENSMUSG0	317.9159	-0.47663	0.207439	-2.29768	0.02158	0.232556	ENSMUSG0 Zfp511
ENSMUSG0	922.0323	-0.38421	0.16723	-2.29747	0.021592	0.232558	ENSMUSG0 Atg4d
ENSMUSG0	20.55517	-0.984	0.428401	-2.29692	0.021623	0.232717	ENSMUSG0 Gm41177
ENSMUSG0	99.00838	0.770559	0.335545	2.296444	0.021651	0.232717	ENSMUSG0 Daam2
ENSMUSG0	83.04075	-2.88743	1.257378	-2.29639	0.021653	0.232717	ENSMUSG0 Igkv5-43
ENSMUSG0	3378.677	-0.42028	0.183052	-2.29594	0.021679	0.232717	ENSMUSG0 Clptm1l
ENSMUSG0	184.9509	-0.64882	0.282609	-2.29582	0.021686	0.232717	ENSMUSG0 Gm15417
ENSMUSG0	91.8837	0.828135	0.360723	2.295764	0.021689	0.232717	ENSMUSG0 Iqcg
ENSMUSG0	1771.586	-0.24879	0.108383	-2.29547	0.021706	0.232717	ENSMUSG0 Lrp3
ENSMUSG0	1098.478	-0.54179	0.236071	-2.29503	0.021731	0.232717	ENSMUSG0 Elavl4
ENSMUSG0	159.3292	0.443301	0.193174	2.294829	0.021743	0.232717	ENSMUSG0 E130307A1
ENSMUSG0	45.55472	1.183635	0.515858	2.294498	0.021762	0.232717	ENSMUSG0 Igsf10
ENSMUSG0	346.0038	0.368234	0.160492	2.294403	0.021767	0.232717	ENSMUSG0 Cnpy4
ENSMUSG0	109.7509	-0.67707	0.295103	-2.29433	0.021771	0.232717	ENSMUSG0 Crb1

ENSMUSG0	13.13237	-1.04629	0.456068	-2.29415	0.021782	0.232717	ENSMUSG0 Fetub
ENSMUSG0	217.8995	0.507619	0.221268	2.294141	0.021782	0.232717	ENSMUSG0 Gfra3
ENSMUSG0	1714.646	-0.58984	0.257118	-2.29404	0.021788	0.232717	ENSMUSG0 Plpp5
ENSMUSG0	12.69245	1.683874	0.73439	2.292887	0.021854	0.233092	ENSMUSG0 Dnah1
ENSMUSG0	12.15219	1.190081	0.519034	2.292876	0.021855	0.233092	ENSMUSG0 Wnt10a
ENSMUSG0	947.407	-0.43138	0.188148	-2.29275	0.021862	0.233092	ENSMUSG0 Cntn1
ENSMUSG0	52.33613	0.560033	0.24428	2.292581	0.021872	0.233092	ENSMUSG0 Adrb1
ENSMUSG0	17.22586	1.136592	0.495852	2.2922	0.021894	0.233198	ENSMUSG0 Cldn1
ENSMUSG0	1806.116	-0.34712	0.151503	-2.29118	0.021953	0.233697	ENSMUSG0 Mogs
ENSMUSG0	19.37078	-1.29708	0.566187	-2.2909	0.021969	0.233732	ENSMUSG0 Crhbp
ENSMUSG0	892.6094	-0.51747	0.225899	-2.2907	0.021981	0.233732	ENSMUSG0 Gorasp1
ENSMUSG0	2329.044	0.491518	0.21465	2.289858	0.02203	0.234122	ENSMUSG0 Socs3
ENSMUSG0	50.20893	-1.6187	0.707062	-2.28934	0.02206	0.23426	ENSMUSG0 Tspan1
ENSMUSG0	160.8186	-1.04811	0.457849	-2.28921	0.022067	0.23426	ENSMUSG0 Baiap2l2
ENSMUSG0	615.5326	0.455669	0.199136	2.288227	0.022124	0.23474	ENSMUSG0 Wsb1
ENSMUSG0	3150.757	-0.42697	0.186651	-2.28753	0.022165	0.235042	ENSMUSG0 Gde1
ENSMUSG0	329.8982	-0.46956	0.205319	-2.28696	0.022198	0.235266	ENSMUSG0 Afg1l
ENSMUSG0	349.0156	0.418579	0.183349	2.282959	0.022433	0.237489	ENSMUSG0 Arhgef40
ENSMUSG0	70.46638	0.69355	0.303851	2.282534	0.022458	0.237623	ENSMUSG0 Jdp2
ENSMUSG0	24.66592	1.496339	0.656153	2.280473	0.02258	0.238781	ENSMUSG0 Macc1
ENSMUSG0	1509.307	-0.43604	0.19124	-2.28008	0.022603	0.238896	ENSMUSG0 Tmem147
ENSMUSG0	1987.606	-0.43532	0.190957	-2.27969	0.022626	0.239008	ENSMUSG0 Ctso
ENSMUSG0	61.57986	1.057914	0.464182	2.279096	0.022661	0.23925	ENSMUSG0 Aif1l
ENSMUSG0	638.676	-0.44434	0.195129	-2.27716	0.022777	0.240338	ENSMUSG0 Chn1
ENSMUSG0	970.8007	-0.28503	0.125191	-2.27673	0.022802	0.240475	ENSMUSG0 Ecd
ENSMUSG0	104.7131	0.764645	0.336035	2.275494	0.022876	0.240838	ENSMUSG0 Antxr2
ENSMUSG0	881.2883	-0.59302	0.260617	-2.27544	0.022879	0.240838	ENSMUSG0 Dagla
ENSMUSG0	465.8874	0.429471	0.188751	2.275332	0.022886	0.240838	ENSMUSG0 Wdr47
ENSMUSG0	53.38428	0.639144	0.280903	2.275318	0.022887	0.240838	ENSMUSG0 Zfp940
ENSMUSG0	125.72	1.409017	0.619325	2.275085	0.022901	0.240853	ENSMUSG0 Adam19
ENSMUSG0	39.43386	1.05418	0.46356	2.274097	0.02296	0.241221	ENSMUSG0 Sspo
ENSMUSG0	58.62079	1.030632	0.453207	2.274085	0.022961	0.241221	ENSMUSG0 Pla2g4a
ENSMUSG0	621.0404	-0.83778	0.368467	-2.27369	0.022985	0.241285	ENSMUSG0 Mir670hg
ENSMUSG0	271.7314	0.597568	0.262872	2.27323	0.023012	0.241366	ENSMUSG0 Gm20559
ENSMUSG0	34328.32	-0.77617	0.341576	-2.27231	0.023068	0.241811	ENSMUSG0 mt-Co3
ENSMUSG0	118.5677	-0.54136	0.238262	-2.27211	0.02308	0.241811	ENSMUSG0 Kdm8
ENSMUSG0	34.39401	1.102995	0.485639	2.271226	0.023133	0.242239	ENSMUSG0 Olfm1l
ENSMUSG0	329.8763	-0.54836	0.241475	-2.27087	0.023155	0.242309	ENSMUSG0 St8sia5
ENSMUSG0	3.386723	-1.94484	0.856496	-2.2707	0.023165	0.242309	ENSMUSG0 Gm12917
ENSMUSG0	13.82752	-0.9881	0.435469	-2.26906	0.023265	0.243087	ENSMUSG0 Tmem40
ENSMUSG0	1217.769	0.551305	0.242966	2.269057	0.023265	0.243087	ENSMUSG0 Nectin2
ENSMUSG0	1118.208	0.485987	0.214295	2.267837	0.023339	0.243731	ENSMUSG0 Slc4a3
ENSMUSG0	11.22048	-1.25357	0.552826	-2.26757	0.023355	0.243769	ENSMUSG0 Gm49353
ENSMUSG0	71.93722	-0.56802	0.25063	-2.26637	0.023429	0.2444	ENSMUSG0 Dpf3
ENSMUSG0	1160.829	0.34833	0.153744	2.265654	0.023473	0.244465	ENSMUSG0 Adss
ENSMUSG0	4.752349	2.44506	1.0793	2.265413	0.023487	0.244465	ENSMUSG0 Vwa3a
ENSMUSG0	3.045746	2.478323	1.094063	2.265247	0.023498	0.244465	ENSMUSG0 Gm10132
ENSMUSG0	90.11189	0.508765	0.224596	2.265246	0.023498	0.244465	ENSMUSG0 Hyal1
ENSMUSG0	13.9904	1.08016	0.476843	2.265232	0.023498	0.244465	ENSMUSG0 Khlh30
ENSMUSG0	476.3764	-0.73661	0.325214	-2.26499	0.023513	0.244487	ENSMUSG0 Pcsk2os1
ENSMUSG0	6.27114	-1.42354	0.628592	-2.26464	0.023535	0.244577	ENSMUSG0 Gm11335
ENSMUSG0	288.7954	-0.36639	0.161833	-2.26401	0.023574	0.24485	ENSMUSG0 Farp2

ENSMUSG0	6.080994	1.650144	0.728928	2.263796	0.023587	0.244853	ENSMUSG0 Gm26885
ENSMUSG0	34.77384	-0.81324	0.359352	-2.26307	0.023631	0.245136	ENSMUSG0 Tex26
ENSMUSG0	75.32314	0.601651	0.265871	2.26294	0.023639	0.245136	ENSMUSG0 Gpr137c
ENSMUSG0	264.7071	1.395713	0.617436	2.260497	0.02379	0.246569	ENSMUSG0 Megf6
ENSMUSG0	8705.018	-0.83853	0.371011	-2.26014	0.023813	0.246668	ENSMUSG0 Il1r1
ENSMUSG0	7.482559	-1.48631	0.657729	-2.25975	0.023836	0.246781	ENSMUSG0 Insyn2a
ENSMUSG0	96.81005	-0.75293	0.333259	-2.25929	0.023865	0.246945	ENSMUSG0 A730020E0
ENSMUSG0	553.9774	-0.59121	0.261787	-2.25837	0.023923	0.24711	ENSMUSG0 Fam222a
ENSMUSG0	445.1878	-0.4716	0.208839	-2.2582	0.023933	0.24711	ENSMUSG0 Foxa3
ENSMUSG0	2963.199	-0.51603	0.228563	-2.2577	0.023964	0.24711	ENSMUSG0 Tbcd
ENSMUSG0	34.84788	0.907891	0.402178	2.257435	0.023981	0.24711	ENSMUSG0 Plxn3
ENSMUSG0	27.68604	-0.96808	0.428881	-2.25723	0.023994	0.24711	ENSMUSG0 Gm50145
ENSMUSG0	271.8671	-0.39056	0.17303	-2.25718	0.023997	0.24711	ENSMUSG0 Zbtb8a
ENSMUSG0	1404.485	-0.31337	0.138844	-2.25701	0.024007	0.24711	ENSMUSG0 Blcap
ENSMUSG0	35.36101	0.859678	0.380893	2.25701	0.024007	0.24711	ENSMUSG0 Krt90
ENSMUSG0	6.938424	1.612446	0.714439	2.256942	0.024012	0.24711	ENSMUSG0 2600006K0
ENSMUSG0	97.98775	0.636303	0.28194	2.256872	0.024016	0.24711	ENSMUSG0 Adgre1
ENSMUSG0	60.29474	0.663239	0.293889	2.256771	0.024022	0.24711	ENSMUSG0 Zfhx4
ENSMUSG0	15.38303	-1.42377	0.63114	-2.25587	0.024079	0.247559	ENSMUSG0 2900092N2
ENSMUSG0	1260.044	0.912982	0.405024	2.254145	0.024187	0.248537	ENSMUSG0 Bgn
ENSMUSG0	4.309674	2.075577	0.92101	2.253588	0.024222	0.248765	ENSMUSG0 Gm19817
ENSMUSG0	598.3255	-0.41588	0.184595	-2.25291	0.024265	0.249073	ENSMUSG0 Rab39b
ENSMUSG0	122.8842	-1.05584	0.468785	-2.25229	0.024304	0.249342	ENSMUSG0 Gm43359
ENSMUSG0	2399.162	-0.50234	0.223075	-2.25186	0.024331	0.249374	ENSMUSG0 0610040J0
ENSMUSG0	568.4833	0.587031	0.260691	2.251826	0.024333	0.249374	ENSMUSG0 Epb4112
ENSMUSG0	1533.85	0.366579	0.163033	2.248504	0.024544	0.2513	ENSMUSG0 Myadm
ENSMUSG0	298.3381	-0.51983	0.231193	-2.24845	0.024547	0.2513	ENSMUSG0 Tex30
ENSMUSG0	17.75366	1.056163	0.469943	2.247428	0.024613	0.251835	ENSMUSG0 Mdh1b
ENSMUSG0	456.4247	0.45119	0.200804	2.246919	0.024645	0.252034	ENSMUSG0 Dzank1
ENSMUSG0	11.52113	1.116512	0.497006	2.246476	0.024674	0.252138	ENSMUSG0 Kremen2
ENSMUSG0	23.95471	1.244989	0.554228	2.24635	0.024682	0.252138	ENSMUSG0 Asprv1
ENSMUSG0	26.92736	1.349522	0.601111	2.245047	0.024765	0.252857	ENSMUSG0 Mrgprf
ENSMUSG0	4.213906	1.964727	0.875324	2.24457	0.024796	0.252901	ENSMUSG0 Cilp2
ENSMUSG0	9.089465	2.146138	0.956415	2.24394	0.024836	0.25318	ENSMUSG0 Mab21l3
ENSMUSG0	316.9369	-0.52041	0.231959	-2.24354	0.024862	0.253279	ENSMUSG0 Ehhadh
ENSMUSG0	365.6018	-0.34946	0.155774	-2.24338	0.024872	0.253279	ENSMUSG0 Plekha8
ENSMUSG0	353.9294	0.471372	0.210223	2.242249	0.024945	0.253888	ENSMUSG0 Sema4c
ENSMUSG0	3984.405	-0.29053	0.129657	-2.24077	0.025041	0.254726	ENSMUSG0 Derl1
ENSMUSG0	18.25286	1.043208	0.465709	2.240043	0.025088	0.254943	ENSMUSG0 Pcdhb9
ENSMUSG0	608.0377	0.532429	0.237709	2.239834	0.025102	0.254943	ENSMUSG0 Cadm4
ENSMUSG0	2851.828	-0.35524	0.158608	-2.23976	0.025107	0.254943	ENSMUSG0 Fbxo21
ENSMUSG0	374.7909	0.415757	0.185637	2.239625	0.025115	0.254943	ENSMUSG0 B4galt2
ENSMUSG0	5.601767	-1.79431	0.80126	-2.23936	0.025132	0.254982	ENSMUSG0 D7Erttd128
ENSMUSG0	18.99629	-0.89016	0.397561	-2.23906	0.025152	0.255049	ENSMUSG0 Gm26947
ENSMUSG0	7.671652	-1.68725	0.753714	-2.23858	0.025183	0.255183	ENSMUSG0 Gm7712
ENSMUSG0	2141.512	-0.35539	0.158764	-2.23845	0.025192	0.255183	ENSMUSG0 Cbx7
ENSMUSG0	7.437972	-2.57482	1.15058	-2.23784	0.025231	0.255448	ENSMUSG0 Rnf212
ENSMUSG0	109.9484	1.059529	0.473535	2.237487	0.025255	0.255548	ENSMUSG0 Tgtp1
ENSMUSG0	7.263088	-2.00786	0.897576	-2.23698	0.025288	0.255748	ENSMUSG0 Tmigd3
ENSMUSG0	6.435611	1.849473	0.826908	2.236614	0.025312	0.255748	ENSMUSG0 Cbln1
ENSMUSG0	3.460355	-2.72215	1.217151	-2.2365	0.025319	0.255748	ENSMUSG0 Grpr
ENSMUSG0	57.65191	0.697497	0.311896	2.236312	0.025331	0.255748	ENSMUSG0 Zfp185

ENSMUSG0	8.34111	-6.7786	3.031346	-2.23617	0.025341	0.255748	ENSMUSG0 Gm43055
ENSMUSG0	3.436933	-2.17135	0.971163	-2.23582	0.025364	0.255792	ENSMUSG0 Stmnd1
ENSMUSG0	999.0425	-0.27935	0.12496	-2.23554	0.025382	0.255792	ENSMUSG0 Ttc7b
ENSMUSG0	28.18155	0.907806	0.406088	2.235492	0.025385	0.255792	ENSMUSG0 Serpinb8
ENSMUSG0	1512.596	-0.65859	0.294671	-2.23501	0.025417	0.255978	ENSMUSG0 Col6a6
ENSMUSG0	3.311346	3.216097	1.439818	2.233682	0.025504	0.256573	ENSMUSG0 Gm9954
ENSMUSG0	1969.525	-0.39128	0.175181	-2.23358	0.025511	0.256573	ENSMUSG0 Foxa2
ENSMUSG0	1739.143	-0.46848	0.209756	-2.23343	0.02552	0.256573	ENSMUSG0 Krtcap2
ENSMUSG0	7.051043	1.411056	0.631881	2.233103	0.025542	0.256573	ENSMUSG0 Ism2
ENSMUSG0	12.75754	1.292589	0.578833	2.233096	0.025543	0.256573	ENSMUSG0 Tll1
ENSMUSG0	8.554437	-1.52257	0.681984	-2.23256	0.025578	0.256784	ENSMUSG0 4930572G0
ENSMUSG0	140.7902	-0.82764	0.370745	-2.23237	0.02559	0.256784	ENSMUSG0 C2cd4a
ENSMUSG0	2416.857	-0.33912	0.151975	-2.23141	0.025654	0.257157	ENSMUSG0 Aph1a
ENSMUSG0	451.7642	-0.51643	0.231437	-2.23141	0.025654	0.257157	ENSMUSG0 Etrfr1
ENSMUSG0	282.7655	0.763907	0.342446	2.230736	0.025699	0.257372	ENSMUSG0 Rin3
ENSMUSG0	11.61962	1.405794	0.630222	2.230631	0.025706	0.257372	ENSMUSG0 Gm40477
ENSMUSG0	55.49383	1.069345	0.479451	2.230353	0.025724	0.257372	ENSMUSG0 Slc22a21
ENSMUSG0	3.786797	2.799283	1.255129	2.230275	0.025729	0.257372	ENSMUSG0 Cpa3
ENSMUSG0	649.4607	0.483948	0.217017	2.229995	0.025748	0.257374	ENSMUSG0 Nuak1
ENSMUSG0	304.8787	0.77978	0.349698	2.229866	0.025756	0.257374	ENSMUSG0 Col14a1
ENSMUSG0	17.48763	1.61218	0.723058	2.229668	0.025769	0.257374	ENSMUSG0 Ttll6
ENSMUSG0	9.948008	1.648875	0.739679	2.229176	0.025802	0.257434	ENSMUSG0 Clvs2
ENSMUSG0	180.2446	0.567307	0.254492	2.229175	0.025802	0.257434	ENSMUSG0 Tmem151a
ENSMUSG0	18.34845	1.357095	0.609006	2.228378	0.025855	0.25783	ENSMUSG0 Scn5a
ENSMUSG0	84.90252	-1.19475	0.536692	-2.22614	0.026005	0.259183	ENSMUSG0 Rtl10
ENSMUSG0	1246.734	-0.38542	0.173219	-2.22507	0.026077	0.25959	ENSMUSG0 Pomgnt1
ENSMUSG0	297.7159	-2.02207	0.908821	-2.22494	0.026085	0.25959	ENSMUSG0 Col7a1
ENSMUSG0	5.266008	2.002026	0.899815	2.224931	0.026086	0.25959	ENSMUSG0 Card14
ENSMUSG0	160.8035	-0.47152	0.211973	-2.22445	0.026118	0.259776	ENSMUSG0 Camk1g
ENSMUSG0	17.69136	-1.83382	0.824542	-2.22404	0.026145	0.259914	ENSMUSG0 Apol7a
ENSMUSG0	1158.218	-0.88226	0.396825	-2.2233	0.026196	0.26028	ENSMUSG0 Khk
ENSMUSG0	3182.384	-0.45415	0.204311	-2.22284	0.026227	0.260453	ENSMUSG0 Sec23b
ENSMUSG0	28.35677	1.601034	0.720581	2.221864	0.026293	0.260971	ENSMUSG0 Ubash3a
ENSMUSG0	247.8608	0.547189	0.246342	2.221261	0.026333	0.261241	ENSMUSG0 Tlr3
ENSMUSG0	7.177834	1.689769	0.760935	2.220648	0.026375	0.261519	ENSMUSG0 Iqub
ENSMUSG0	393.5785	0.874548	0.393931	2.220052	0.026415	0.261646	ENSMUSG0 Icam1
ENSMUSG0	75.76628	0.804902	0.362564	2.220026	0.026417	0.261646	ENSMUSG0 Ankrd29
ENSMUSG0	387.7017	0.347651	0.156617	2.219746	0.026436	0.261646	ENSMUSG0 Spsb1
ENSMUSG0	1504.055	0.531733	0.239556	2.219656	0.026442	0.261646	ENSMUSG0 Bhlhe40
ENSMUSG0	18.40222	1.569611	0.707406	2.218827	0.026499	0.26207	ENSMUSG0 Mgl2
ENSMUSG0	167.5835	0.466089	0.21011	2.218313	0.026534	0.262281	ENSMUSG0 Rpain
ENSMUSG0	1200.257	-0.47395	0.213757	-2.21725	0.026606	0.26286	ENSMUSG0 Gstm1
ENSMUSG0	12.3734	-1.06091	0.478586	-2.21675	0.02664	0.263064	ENSMUSG0 Gm36172
ENSMUSG0	3264.208	-0.60755	0.274118	-2.21639	0.026665	0.26312	ENSMUSG0 Pabpc4
ENSMUSG0	70.49659	2.140412	0.965773	2.216268	0.026673	0.26312	ENSMUSG0 Ugt2b35
ENSMUSG0	6018.681	-0.56331	0.254224	-2.21579	0.026706	0.26331	ENSMUSG0 Dnajb9
ENSMUSG0	236.2163	0.542208	0.244785	2.215042	0.026757	0.263679	ENSMUSG0 Tspyl3
ENSMUSG0	3029.85	-0.28401	0.128318	-2.21332	0.026876	0.264713	ENSMUSG0 Gna11
ENSMUSG0	272.2958	-0.62108	0.28067	-2.21285	0.026908	0.264894	ENSMUSG0 Plch1
ENSMUSG0	13.35038	-1.89972	0.85937	-2.21059	0.027064	0.26616	ENSMUSG0 Gm37805
ENSMUSG0	76.40381	-0.48498	0.219389	-2.21059	0.027064	0.26616	ENSMUSG0 Fhl2
ENSMUSG0	453.2483	0.436419	0.19746	2.210157	0.027094	0.266318	ENSMUSG0 Vps37d

ENSMUSG0	15.19958	1.537632	0.695819	2.209814	0.027118	0.266416	ENSMUSG0 Vwc2
ENSMUSG0	1104.429	0.456757	0.206725	2.209497	0.02714	0.266497	ENSMUSG0 Slc44a2
ENSMUSG0	1466.391	-0.37537	0.169906	-2.20927	0.027156	0.266514	ENSMUSG0 Tbc1d1
ENSMUSG0	1032.033	0.4025	0.182226	2.208797	0.027189	0.266702	ENSMUSG0 Arhgef28
ENSMUSG0	1120.538	-0.43601	0.197435	-2.20837	0.027218	0.26679	ENSMUSG01700019D0
ENSMUSG0	415.7984	-0.41925	0.189855	-2.20827	0.027225	0.26679	ENSMUSG0 Cln5
ENSMUSG0	2108.291	0.240229	0.108835	2.207275	0.027295	0.267238	ENSMUSG0 Flywch1
ENSMUSG0	1053.729	-0.26781	0.121334	-2.20722	0.027299	0.267238	ENSMUSG0 Sptlc1
ENSMUSG0	1398.529	-0.61684	0.279525	-2.20675	0.027332	0.267421	ENSMUSG0 Chmp4c
ENSMUSG0	602.0534	0.42283	0.191703	2.205646	0.027409	0.268014	ENSMUSG0 Nefm
ENSMUSG0	39.63872	1.135323	0.514772	2.205485	0.02742	0.268014	ENSMUSG0 Wnt5a
ENSMUSG0	12.57236	1.616572	0.733225	2.204742	0.027472	0.268387	ENSMUSG0 Gria4
ENSMUSG0	2819.124	-0.29389	0.133328	-2.20429	0.027504	0.268466	ENSMUSG0 Vps37a
ENSMUSG0	227.4402	-0.59247	0.268786	-2.20423	0.027508	0.268466	ENSMUSG0 Hspa12b
ENSMUSG0	1157.381	-0.40385	0.183308	-2.2031	0.027588	0.269059	ENSMUSG0 Pi4kb
ENSMUSG0	578.5478	0.566869	0.25732	2.20297	0.027597	0.269059	ENSMUSG0 Id1
ENSMUSG0	9.325117	-2.01724	0.915863	-2.20256	0.027626	0.269207	ENSMUSG0 Gm43879
ENSMUSG0	84.33731	-0.62542	0.284032	-2.20195	0.027669	0.269357	ENSMUSG0 Gm9958
ENSMUSG0	2510.224	-0.35667	0.161981	-2.20194	0.027669	0.269357	ENSMUSG0 Ubr3
ENSMUSG0	6868.228	-0.36798	0.167141	-2.20164	0.027691	0.269431	ENSMUSG0 Dap
ENSMUSG0	3.889124	3.908415	1.775567	2.20122	0.02772	0.269581	ENSMUSG0 Gm49369
ENSMUSG0	485.3514	0.592218	0.269085	2.200861	0.027746	0.269589	ENSMUSG0 Gria3
ENSMUSG0	266.0786	0.771123	0.350381	2.200811	0.027749	0.269589	ENSMUSG0 Stbd1
ENSMUSG0	46.23557	1.293013	0.587661	2.20027	0.027788	0.269826	ENSMUSG0 Flnc
ENSMUSG0	8687.536	-0.29831	0.135605	-2.19988	0.027816	0.269961	ENSMUSG0 Arf1
ENSMUSG0	43.10034	0.731674	0.332652	2.199518	0.027841	0.270071	ENSMUSG0 Ak4
ENSMUSG0	1465.551	-0.49958	0.227289	-2.198	0.027949	0.270985	ENSMUSG0 Ggcx
ENSMUSG0	1520.616	-0.3046	0.13863	-2.19722	0.028005	0.271387	ENSMUSG0 Tbc1d20
ENSMUSG0	1731.528	-0.32051	0.145957	-2.1959	0.028099	0.272162	ENSMUSG0 Tsc2
ENSMUSG0	123.3187	-0.47167	0.214848	-2.19536	0.028138	0.272383	ENSMUSG0 Gm11769
ENSMUSG0	423.5174	0.715955	0.326147	2.195187	0.02815	0.272383	ENSMUSG0C130074G1
ENSMUSG0	29.57655	0.902378	0.411126	2.194897	0.028171	0.272401	ENSMUSG0 Kihl4
ENSMUSG0	294.593	0.772857	0.352136	2.194766	0.02818	0.272401	ENSMUSG0 Car4
ENSMUSG0	359.4739	0.37041	0.168809	2.194257	0.028217	0.272617	ENSMUSG0 Snx33
ENSMUSG0	1460.894	-0.35393	0.161369	-2.19332	0.028284	0.273131	ENSMUSG0 Armc5
ENSMUSG0	4680.04	1.165761	0.531581	2.193007	0.028307	0.273212	ENSMUSG0 Spp1
ENSMUSG0	5.471517	2.331125	1.063384	2.192177	0.028367	0.273486	ENSMUSG0 Cd101
ENSMUSG0	1387.543	-0.47722	0.217707	-2.19204	0.028376	0.273486	ENSMUSG0 Tmem39a
ENSMUSG0	1448.2	0.360201	0.164324	2.192021	0.028378	0.273486	ENSMUSG0 Cd151
ENSMUSG0	1881.642	-0.65653	0.299635	-2.19111	0.028444	0.273764	ENSMUSG0 Cbs
ENSMUSG0	5972.102	-0.33794	0.154244	-2.19098	0.028454	0.273764	ENSMUSG0 Itpkb
ENSMUSG0	118.2821	-0.64126	0.292695	-2.19087	0.028461	0.273764	ENSMUSG0 Tafa1
ENSMUSG0	6.667023	-2.56107	1.168994	-2.19083	0.028464	0.273764	ENSMUSG0 Umod
ENSMUSG0	274.058	-0.39665	0.1811	-2.19025	0.028506	0.273979	ENSMUSG01110018N2
ENSMUSG0	126.9667	0.53996	0.246542	2.190133	0.028515	0.273979	ENSMUSG0 Dab2
ENSMUSG0	993.7367	0.308716	0.141011	2.189297	0.028575	0.274425	ENSMUSG0 Kifap3
ENSMUSG0	3462.719	-0.40733	0.186127	-2.18843	0.028638	0.274726	ENSMUSG0 Sv2a
ENSMUSG0	2824.334	-0.29639	0.135442	-2.18834	0.028645	0.274726	ENSMUSG0 Shc1
ENSMUSG0	48.75983	0.862937	0.394345	2.188277	0.028649	0.274726	ENSMUSG0 P2ry6
ENSMUSG0	4.592101	-3.50528	1.60209	-2.18794	0.028674	0.274824	ENSMUSG0 Acat3
ENSMUSG0	1078.388	0.68399	0.312735	2.187121	0.028734	0.27526	ENSMUSG0 Cd9
ENSMUSG0	693.5137	-0.38605	0.176598	-2.18605	0.028812	0.275871	ENSMUSG0 Tmem230

ENSMUSG0	16.35254	-1.55993	0.713685	-2.18574	0.028835	0.275955	ENSMUSG0	Gm10800
ENSMUSG0	4.981867	-1.57257	0.72021	-2.18349	0.029	0.277318	ENSMUSG0	9930024M:
ENSMUSG0	13.47668	1.029968	0.471726	2.183402	0.029006	0.277318	ENSMUSG0	Frmpd4
ENSMUSG0	32.93423	-0.99301	0.454895	-2.18295	0.02904	0.277501	ENSMUSG0	Gm30074
ENSMUSG0	343.7423	0.542084	0.248402	2.182283	0.029089	0.277722	ENSMUSG0	Gnb4
ENSMUSG0	22.56781	1.537245	0.704435	2.18224	0.029092	0.277722	ENSMUSG0	Hctr1
ENSMUSG0	71.04884	0.885584	0.406056	2.18094	0.029188	0.278293	ENSMUSG0	Plekhhg1
ENSMUSG0	20.20728	0.944962	0.433318	2.180759	0.029201	0.278293	ENSMUSG0	Tlr5
ENSMUSG0	4.104333	2.154495	0.988007	2.180649	0.029209	0.278293	ENSMUSG0	Fam163b
ENSMUSG0	866.3764	0.390806	0.179215	2.180647	0.02921	0.278293	ENSMUSG0	Kcnk1
ENSMUSG0	66.90864	0.775871	0.355909	2.17997	0.02926	0.278634	ENSMUSG0	Ccdc102a
ENSMUSG0	643.3385	-0.31116	0.142789	-2.17916	0.02932	0.279066	ENSMUSG0	Mob3c
ENSMUSG0	864.6233	-0.52255	0.239865	-2.1785	0.029369	0.279346	ENSMUSG0	Pde8a
ENSMUSG0	6.377343	1.832243	0.841105	2.178375	0.029378	0.279346	ENSMUSG0	B130024G1
ENSMUSG0	26.69359	0.827727	0.380118	2.177552	0.029439	0.279791	ENSMUSG0	Khdrbs2
ENSMUSG0	54.6862	-1.27986	0.587847	-2.17721	0.029465	0.279873	ENSMUSG0	Kcnf1
ENSMUSG0	429.9815	0.391611	0.179895	2.176882	0.029489	0.279873	ENSMUSG0	Cacnb1
ENSMUSG0	194.9629	-0.49006	0.225124	-2.17685	0.029492	0.279873	ENSMUSG0	Ccdc58
ENSMUSG0	4352.615	-0.65103	0.299307	-2.17514	0.02962	0.280863	ENSMUSG0	Atf5
ENSMUSG0	7.3595	-1.39269	0.64037	-2.17481	0.029644	0.280863	ENSMUSG0	Gm43665
ENSMUSG0	21.21299	-2.11936	0.974614	-2.17456	0.029663	0.280863	ENSMUSG0	Glod5
ENSMUSG0	8126.89	-0.48435	0.222778	-2.17414	0.029695	0.280863	ENSMUSG0	Rrbp1
ENSMUSG0	29.28554	-1.17479	0.540381	-2.17401	0.029705	0.280863	ENSMUSG0	Fam220a
ENSMUSG0	24320.05	-1.50067	0.690296	-2.17395	0.029709	0.280863	ENSMUSG0	Reg1
ENSMUSG0	1893.137	0.569102	0.261801	2.173796	0.02972	0.280863	ENSMUSG0	Il6st
ENSMUSG0	2503.821	-0.58142	0.267468	-2.1738	0.029721	0.280863	ENSMUSG0	Bckdk
ENSMUSG0	165.0484	0.683388	0.314389	2.173702	0.029727	0.280863	ENSMUSG0	Rin1
ENSMUSG0	673.8438	0.956421	0.440105	2.173163	0.029768	0.281108	ENSMUSG0	Ddah2
ENSMUSG0	7.562559	6.087264	2.801756	2.172661	0.029806	0.281328	ENSMUSG0	Gm9726
ENSMUSG0	263.2485	0.479266	0.220638	2.172179	0.029842	0.281382	ENSMUSG0	Scarf2
ENSMUSG0	22.71061	-1.48769	0.684938	-2.172	0.029856	0.281382	ENSMUSG0	Adhfe1
ENSMUSG0	2321.784	0.46751	0.215277	2.171672	0.02988	0.281479	ENSMUSG0	Kifc3
ENSMUSG0	739.6531	-0.31826	0.146635	-2.17042	0.029975	0.28223	ENSMUSG0	Wdr81
ENSMUSG0	22.39121	-1.07669	0.496152	-2.17008	0.030001	0.282336	ENSMUSG0	Cdx4
ENSMUSG0	1372.477	0.469585	0.216457	2.169411	0.030051	0.282675	ENSMUSG0	St14
ENSMUSG0	36.05428	-0.61571	0.283871	-2.16898	0.030084	0.282843	ENSMUSG0	Gm15510
ENSMUSG0	2232.13	0.361391	0.166642	2.168662	0.030108	0.282933	ENSMUSG0	Nlgn2
ENSMUSG0	172.5591	0.633813	0.292298	2.168379	0.03013	0.282997	ENSMUSG0	Ppfia4
ENSMUSG0	1912.273	0.809643	0.373469	2.167901	0.030166	0.283201	ENSMUSG0	Anxa2
ENSMUSG0	70.92602	0.990274	0.456979	2.167001	0.030235	0.283706	ENSMUSG0	Tmeff2
ENSMUSG0	4.686449	2.029246	0.936578	2.166659	0.030261	0.283811	ENSMUSG0	Galnt16
ENSMUSG0	1679.15	-0.38239	0.176507	-2.16642	0.030279	0.283841	ENSMUSG0	Pacc1
ENSMUSG0	120.2722	1.033096	0.476948	2.166053	0.030307	0.283969	ENSMUSG0	Olfml2a
ENSMUSG0	13.52756	1.539269	0.710871	2.165328	0.030363	0.284318	ENSMUSG0	Raly1
ENSMUSG0	221.2745	0.58457	0.270014	2.164963	0.030391	0.284318	ENSMUSG0	Chml
ENSMUSG0	4.244232	-3.40103	1.57108	-2.16477	0.030405	0.284318	ENSMUSG0	Gm49936
ENSMUSG0	50.01061	1.312476	0.606311	2.164692	0.030411	0.284318	ENSMUSG0	Olf1r1372-p
ENSMUSG0	500.6573	-0.70156	0.324131	-2.16444	0.030431	0.284318	ENSMUSG0	Scn8a
ENSMUSG0	804.6276	-0.36534	0.168795	-2.16441	0.030433	0.284318	ENSMUSG0	Tafa5
ENSMUSG0	278.3866	0.479835	0.221735	2.164001	0.030464	0.284425	ENSMUSG0	Ptk7
ENSMUSG0	1677.577	-0.30833	0.14249	-2.16387	0.030474	0.284425	ENSMUSG0	Amigo1
ENSMUSG0	171.6048	1.990442	0.920078	2.16334	0.030515	0.284513	ENSMUSG0	Spink4

ENSMUSG0	1260.59	-0.51207	0.236717	-2.16323	0.030524	0.284513	ENSMUSG0 Myt1
ENSMUSG0	60.90031	0.673761	0.311469	2.163173	0.030528	0.284513	ENSMUSG0 Myl6b
ENSMUSG0	24.39056	1.896507	0.877025	2.162433	0.030585	0.284813	ENSMUSG0 Plin4
ENSMUSG0	540.0815	0.517541	0.23934	2.162369	0.03059	0.284813	ENSMUSG0 Fnbp1l
ENSMUSG0	4.766624	-2.32186	1.074375	-2.16113	0.030685	0.285566	ENSMUSG0 Gm47824
ENSMUSG0	242.4338	0.691194	0.319926	2.16048	0.030736	0.285763	ENSMUSG0 Stom
ENSMUSG0	397.6445	0.292099	0.135202	2.16047	0.030736	0.285763	ENSMUSG0 Stx1a
ENSMUSG0	52.49166	-0.74044	0.342873	-2.15951	0.030811	0.28626	ENSMUSG09430085M:
ENSMUSG0	3.935928	2.052678	0.950605	2.159339	0.030824	0.28626	ENSMUSG04930456G1
ENSMUSG0	16.86613	-0.84463	0.39119	-2.15913	0.03084	0.28626	ENSMUSG0 Gm20275
ENSMUSG0	50.92419	0.864264	0.400335	2.15885	0.030862	0.28626	ENSMUSG0 Nek11
ENSMUSG0	101.7677	0.549003	0.254307	2.158819	0.030864	0.28626	ENSMUSG0 Rsph1
ENSMUSG0	31.49595	-0.81173	0.376174	-2.15785	0.030939	0.28668	ENSMUSG0 Gm13340
ENSMUSG0	140.6579	0.668735	0.309948	2.157571	0.030961	0.286746	ENSMUSG0 Adamts2
ENSMUSG0	65.02831	0.69522	0.322287	2.157147	0.030994	0.286838	ENSMUSG0 Cenpl
ENSMUSG0	7.884164	-1.83439	0.850412	-2.15706	0.031001	0.286838	ENSMUSG0 Gm32842
ENSMUSG0	723.0265	0.692218	0.320956	2.156739	0.031026	0.286931	ENSMUSG0 Cryba2
ENSMUSG0	64.61738	0.953036	0.442015	2.156116	0.031075	0.287116	ENSMUSG0 Slc11a1
ENSMUSG0	457.4512	-0.38408	0.178134	-2.1561	0.031076	0.287116	ENSMUSG0 Lrrn2
ENSMUSG0	75.82014	0.714982	0.331657	2.155789	0.0311	0.287203	ENSMUSG0 BC067074
ENSMUSG0	14.03868	-2.11097	0.97946	-2.15524	0.031143	0.287462	ENSMUSG0 Gm13010
ENSMUSG0	980.5224	-0.49456	0.229614	-2.15389	0.031249	0.288301	ENSMUSG0 Kihl21
ENSMUSG0	1670.298	-0.50417	0.234174	-2.15299	0.031319	0.288685	ENSMUSG0 Slc16a12
ENSMUSG0	18.95893	1.290539	0.599422	2.152974	0.031321	0.288685	ENSMUSG0 Gsg1l
ENSMUSG0	210.1634	-0.63314	0.29415	-2.15245	0.031362	0.288925	ENSMUSG0C030014123
ENSMUSG0	8.200155	1.340349	0.622873	2.151882	0.031407	0.289199	ENSMUSG0 Tescl
ENSMUSG0	2811.152	-0.37479	0.174238	-2.15101	0.031476	0.289696	ENSMUSG0 Gramd1a
ENSMUSG0	2321.28	-0.61484	0.285906	-2.15052	0.031514	0.289915	ENSMUSG0 Atf6
ENSMUSG0	2.98644	2.921445	1.358962	2.149762	0.031574	0.290324	ENSMUSG0 Slc27a6
ENSMUSG0	12.54666	1.46175	0.680094	2.149336	0.031608	0.290343	ENSMUSG0 Itgbl1
ENSMUSG0	473.7432	-0.34587	0.160925	-2.14929	0.031612	0.290343	ENSMUSG0 Ermard
ENSMUSG0	674.0379	0.368062	0.171258	2.149165	0.031621	0.290343	ENSMUSG0 Sh3kbp1
ENSMUSG0	407.0701	0.287831	0.13396	2.148635	0.031663	0.290451	ENSMUSG0 Morn4
ENSMUSG0	368.8131	0.683359	0.318065	2.148488	0.031675	0.290451	ENSMUSG0 Dnm1
ENSMUSG0	126.0285	0.912947	0.424951	2.148358	0.031685	0.290451	ENSMUSG0 Abcb1a
ENSMUSG0	342.3785	0.495335	0.230593	2.148094	0.031706	0.290451	ENSMUSG0 Prkd3
ENSMUSG0	438.9316	-0.47297	0.220196	-2.14794	0.031719	0.290451	ENSMUSG0 Atpscgmt
ENSMUSG0	249.6067	0.514247	0.239421	2.147875	0.031724	0.290451	ENSMUSG0 Slc22a15
ENSMUSG0	3663.828	0.698841	0.325416	2.14753	0.031751	0.290564	ENSMUSG0 Itpr1
ENSMUSG0	1167.768	-0.36248	0.168833	-2.14697	0.031796	0.290832	ENSMUSG0 Slc9a8
ENSMUSG0	3059.235	0.499385	0.232741	2.145666	0.0319	0.291584	ENSMUSG0 Cd24a
ENSMUSG0	48.81791	1.181897	0.550857	2.14556	0.031908	0.291584	ENSMUSG0 Apba2
ENSMUSG0	168.4588	0.846138	0.394495	2.144864	0.031964	0.291953	ENSMUSG0 Slc16a1
ENSMUSG0	949.4955	-0.43375	0.202323	-2.14385	0.032045	0.292528	ENSMUSG0 Lym9
ENSMUSG0	312.7745	-0.35998	0.167926	-2.1437	0.032057	0.292528	ENSMUSG0 Pex12
ENSMUSG0	7.27949	2.582002	1.204735	2.143211	0.032096	0.292565	ENSMUSG0 Fcamr
ENSMUSG0	1328.883	-0.38331	0.178858	-2.14309	0.032106	0.292565	ENSMUSG0 Prkca
ENSMUSG0	1525.376	0.304108	0.141902	2.14308	0.032107	0.292565	ENSMUSG0 Gmfb
ENSMUSG0	32.90748	-1.35612	0.633329	-2.14125	0.032254	0.293765	ENSMUSG0 Slc47a1
ENSMUSG0	2611.976	-0.33251	0.155314	-2.14086	0.032285	0.293912	ENSMUSG0 Smim7
ENSMUSG0	44.50162	1.048199	0.489733	2.14035	0.032326	0.294062	ENSMUSG0 Bean1
ENSMUSG0	6410.398	-0.35731	0.166944	-2.14028	0.032332	0.294062	ENSMUSG0 Atf4

ENSMUSG0	5462.926	-0.21381	0.099934	-2.13952	0.032393	0.294481	ENSMUSG0 Ccni
ENSMUSG0	575.5124	0.535526	0.250418	2.138524	0.032474	0.295075	ENSMUSG0 Vcl
ENSMUSG0	16.05776	1.202859	0.562576	2.138128	0.032506	0.295119	ENSMUSG0 Gm44751
ENSMUSG0	3257.07	-0.62462	0.292138	-2.13809	0.03251	0.295119	ENSMUSG0 Dennd4c
ENSMUSG0	16.50415	-1.17103	0.548023	-2.13682	0.032613	0.295915	ENSMUSG0 Gm49890
ENSMUSG0	31.76741	0.813459	0.380819	2.136079	0.032673	0.296202	ENSMUSG0 Slc5a5
ENSMUSG0	49.75555	0.791279	0.37044	2.136051	0.032675	0.296202	ENSMUSG0 Lrrc4b
ENSMUSG0	718.0293	-0.53352	0.249879	-2.1351	0.032753	0.296665	ENSMUSG0 Mpc1
ENSMUSG0	1626.454	-0.30993	0.145163	-2.13505	0.032757	0.296665	ENSMUSG0 Rcan2
ENSMUSG0	817.5799	-0.37191	0.174228	-2.13461	0.032793	0.29685	ENSMUSG0 Gstt1
ENSMUSG0	4860.073	0.868219	0.407022	2.1331	0.032917	0.297828	ENSMUSG0 Lpl
ENSMUSG0	422215.1	-1.53846	0.721331	-2.13281	0.03294	0.297871	ENSMUSG0 Cela2a
ENSMUSG0	8.227827	-1.76351	0.826911	-2.13265	0.032954	0.297871	ENSMUSG0 Ankrd22
ENSMUSG0	20.68423	0.923959	0.43328	2.132477	0.032968	0.297871	ENSMUSG0 9930012K1
ENSMUSG0	942.0862	-0.25241	0.118383	-2.1321	0.032998	0.297913	ENSMUSG0 Lsm14b
ENSMUSG0	5343.956	0.277029	0.129945	2.131894	0.033016	0.297913	ENSMUSG0 Hnrnpa1
ENSMUSG0	333.3201	-0.40428	0.189641	-2.13182	0.033022	0.297913	ENSMUSG0 Tmem251
ENSMUSG0	364.6212	0.604494	0.283578	2.131666	0.033034	0.297913	ENSMUSG0 Lats2
ENSMUSG0	734.1469	-0.43952	0.206272	-2.13077	0.033108	0.298436	ENSMUSG0 Banp
ENSMUSG0	105.6543	0.921275	0.432622	2.129517	0.033212	0.299177	ENSMUSG0 Lbp
ENSMUSG0	713.6243	1.917833	0.900645	2.1294	0.033221	0.299177	ENSMUSG0 Myh11
ENSMUSG0	400.4382	0.571509	0.268432	2.129061	0.033249	0.299249	ENSMUSG0 Cavin2
ENSMUSG0	2145.522	-0.46331	0.217625	-2.12893	0.03326	0.299249	ENSMUSG0 Wars
ENSMUSG0	14.71563	1.621944	0.762166	2.128072	0.033331	0.299746	ENSMUSG0 Bnpl
ENSMUSG0	110.8838	-1.09589	0.515056	-2.12771	0.033361	0.299877	ENSMUSG0 Pcdha4
ENSMUSG0	7.398815	-1.1973	0.562832	-2.12728	0.033397	0.300054	ENSMUSG0 6720475M1
ENSMUSG0	696.3205	0.431831	0.203057	2.126654	0.033449	0.300383	ENSMUSG0 Frmd4b
ENSMUSG0	2665.643	0.723692	0.340335	2.126411	0.033469	0.300386	ENSMUSG0 Myh14
ENSMUSG0	90.40515	0.943812	0.44388	2.126275	0.03348	0.300386	ENSMUSG0 Impa2
ENSMUSG0	24.76965	-0.87797	0.413066	-2.1255	0.033545	0.300793	ENSMUSG0 9430091E2
ENSMUSG0	59.8554	1.222321	0.575135	2.125277	0.033563	0.300793	ENSMUSG0 Gchfr
ENSMUSG0	198.5887	0.47396	0.223023	2.125168	0.033573	0.300793	ENSMUSG0 Snta1
ENSMUSG0	1214.168	-0.35676	0.167896	-2.12492	0.033594	0.300812	ENSMUSG0 Cyp4v3
ENSMUSG0	61.35585	-1.23401	0.580775	-2.12477	0.033606	0.300812	ENSMUSG0 Ces1e
ENSMUSG0	376.2359	0.585501	0.275654	2.124042	0.033667	0.301214	ENSMUSG0 Agap2
ENSMUSG0	161.8849	-0.48788	0.229747	-2.12354	0.033709	0.301413	ENSMUSG0 18100081E
ENSMUSG0	113.9637	1.220947	0.574995	2.123403	0.03372	0.301413	ENSMUSG0 Crispld2
ENSMUSG0	51.09489	1.692442	0.79733	2.122639	0.033784	0.301726	ENSMUSG0 S100a14
ENSMUSG0	58.8001	0.784944	0.369801	2.12261	0.033787	0.301726	ENSMUSG0 Nfatc4
ENSMUSG0	93.27727	0.536224	0.252665	2.122273	0.033815	0.301839	ENSMUSG0 Sall1
ENSMUSG0	262.4069	-0.44164	0.20816	-2.12163	0.033868	0.302016	ENSMUSG0 Nr2c1
ENSMUSG0	1001.601	0.345951	0.163082	2.121341	0.033893	0.302016	ENSMUSG0 Clip2
ENSMUSG0	204.0199	0.899641	0.424096	2.121312	0.033896	0.302016	ENSMUSG0 Adap1
ENSMUSG0	35.4521	1.319847	0.622191	2.121289	0.033898	0.302016	ENSMUSG0 9530053A0
ENSMUSG0	39.34789	1.254367	0.591527	2.120558	0.033959	0.302424	ENSMUSG0 AI838599
ENSMUSG0	1537.819	-0.43604	0.205668	-2.12011	0.033997	0.302623	ENSMUSG0 Mboat2
ENSMUSG0	25.60555	0.969352	0.457385	2.119334	0.034062	0.303039	ENSMUSG0 Magee2
ENSMUSG0	133.6603	0.506638	0.239073	2.119179	0.034075	0.303039	ENSMUSG0 Tspan6
ENSMUSG0	65.84191	1.09053	0.514862	2.1181	0.034167	0.303614	ENSMUSG0 Mrvi1
ENSMUSG0	978.9919	-0.9253	0.436864	-2.11804	0.034172	0.303614	ENSMUSG0 Gem
ENSMUSG0	7335.304	-0.43332	0.204671	-2.11717	0.034245	0.30413	ENSMUSG0 Sez6l
ENSMUSG0	538.0069	-0.30363	0.143531	-2.11547	0.03439	0.305008	ENSMUSG0 C2cd4c

ENSMUSG0	1773.118	-0.25801	0.121975	-2.11527	0.034407	0.305008	ENSMUSG0 Clk4
ENSMUSG0	5.767844	2.27456	1.075428	2.115028	0.034428	0.305008	ENSMUSG0 Anxa8
ENSMUSG0	87.03192	0.601716	0.284501	2.114983	0.034431	0.305008	ENSMUSG0 Cyp46a1
ENSMUSG0	302.3222	0.469868	0.222164	2.114962	0.034433	0.305008	ENSMUSG0 Arhgef10
ENSMUSG0	21.09408	0.931481	0.440466	2.114763	0.03445	0.305008	ENSMUSG0C820005J0:
ENSMUSG0	23.04486	1.047665	0.49542	2.114703	0.034455	0.305008	ENSMUSG0 Hoga1
ENSMUSG0	8.053984	2.209049	1.044882	2.114161	0.034501	0.305175	ENSMUSG0 Barx1
ENSMUSG0	1271.621	-0.55354	0.261832	-2.11411	0.034506	0.305175	ENSMUSG0 Slc44a3
ENSMUSG0	390.4983	0.348177	0.16471	2.113878	0.034526	0.305188	ENSMUSG0 Rap2a
ENSMUSG0	573.8449	-0.56708	0.268287	-2.11372	0.034539	0.305188	ENSMUSG0 Mrpl42
ENSMUSG0	33.83302	0.693057	0.328073	2.112508	0.034643	0.305869	ENSMUSG0 Calca
ENSMUSG0	3.392097	-2.04116	0.966251	-2.11245	0.034648	0.305869	ENSMUSG0 Gm45091
ENSMUSG0	9.7367	1.174858	0.556408	2.111503	0.034729	0.306289	ENSMUSG0 Gm28800
ENSMUSG0	1859.8	0.289651	0.137187	2.111353	0.034742	0.306289	ENSMUSG0 Paics
ENSMUSG0	220.9977	0.395428	0.187288	2.111337	0.034743	0.306289	ENSMUSG0 Slc25a30
ENSMUSG0	3.179473	-4.13842	1.960424	-2.11098	0.034774	0.306416	ENSMUSG0 Gsdma2
ENSMUSG0	16.17732	-1.14902	0.54465	-2.10966	0.034888	0.307162	ENSMUSG0 Gm27042
ENSMUSG0	329.4603	0.530527	0.2515	2.10945	0.034906	0.307162	ENSMUSG0 Kctd17
ENSMUSG0	147.8281	0.549565	0.260526	2.109445	0.034906	0.307162	ENSMUSG0 Ngef
ENSMUSG0	2230.834	-0.3319	0.1574	-2.10866	0.034974	0.307339	ENSMUSG0 Abca3
ENSMUSG0	174.0663	-0.78933	0.374353	-2.10853	0.034985	0.307339	ENSMUSG0 Pblid2
ENSMUSG0	7.251502	-1.5415	0.731089	-2.1085	0.034988	0.307339	ENSMUSG0 Gm31784
ENSMUSG0	288.329	-0.46081	0.218554	-2.10847	0.03499	0.307339	ENSMUSG0 Arxes1
ENSMUSG0	674.5864	0.3228	0.153171	2.107442	0.035079	0.307981	ENSMUSG0Tmem132a
ENSMUSG0	2453.888	-0.41027	0.194722	-2.10697	0.03512	0.3082	ENSMUSG0 Atg13
ENSMUSG0	1019.088	-0.48803	0.231664	-2.10664	0.035149	0.308252	ENSMUSG0 Gpr45
ENSMUSG0	8.530809	-1.27263	0.604213	-2.10626	0.035181	0.308252	ENSMUSG0 Tcam1
ENSMUSG0	28.96609	0.826011	0.392169	2.106261	0.035182	0.308252	ENSMUSG0 Smad9
ENSMUSG0	798.8369	0.428445	0.203425	2.106161	0.03519	0.308252	ENSMUSG0 Mcm6
ENSMUSG0	34.61874	0.872556	0.414437	2.105399	0.035257	0.308576	ENSMUSG0 Slc5a9
ENSMUSG0	3873.419	0.311784	0.148099	2.105242	0.03527	0.308576	ENSMUSG0 Vdr
ENSMUSG0	5.302059	-1.65952	0.7883	-2.10518	0.035275	0.308576	ENSMUSG0 Gm47578
ENSMUSG0	676.0252	0.759872	0.361135	2.104119	0.035368	0.309245	ENSMUSG0 Tgfb2
ENSMUSG0	4278.54	-0.24259	0.115309	-2.1038	0.035396	0.309347	ENSMUSG0 Irak1
ENSMUSG0	932.5328	-0.52546	0.249813	-2.10341	0.03543	0.309504	ENSMUSG0 H1f10
ENSMUSG0	1550.276	-0.28077	0.133513	-2.10292	0.035472	0.309735	ENSMUSG0 Gpr108
ENSMUSG0	214.8676	-0.68141	0.324152	-2.10212	0.035542	0.310206	ENSMUSG0 Cdk5rap1
ENSMUSG0	3.477941	-2.30626	1.098379	-2.0997	0.035755	0.311707	ENSMUSG0 Fut4-ps1
ENSMUSG0	6.06577	2.205771	1.050526	2.099682	0.035757	0.311707	ENSMUSG0 Rab44
ENSMUSG0	461.3679	-0.36458	0.173644	-2.09961	0.035763	0.311707	ENSMUSG0 Nt5m
ENSMUSG0	4.035238	2.17689	1.03702	2.099179	0.035801	0.311898	ENSMUSG0 Dio3
ENSMUSG0	68.52605	0.833997	0.397369	2.0988	0.035835	0.312048	ENSMUSG0 Plk1
ENSMUSG0	1224.364	-0.49189	0.234505	-2.09758	0.035942	0.312839	ENSMUSG0 Trio
ENSMUSG0	5.288789	2.15281	1.026417	2.097403	0.035958	0.312839	ENSMUSG0 Taar2
ENSMUSG0	631.3114	-0.40943	0.195302	-2.09637	0.036049	0.313144	ENSMUSG0 Nrbf2
ENSMUSG0	688.3655	0.448511	0.21395	2.096335	0.036053	0.313144	ENSMUSG0 Arhgap29
ENSMUSG0	799.5779	0.420864	0.200763	2.096323	0.036054	0.313144	ENSMUSG0 Clasp1
ENSMUSG0	1691.846	-0.45255	0.215881	-2.09627	0.036058	0.313144	ENSMUSG0 Slc35c2
ENSMUSG0	5.882952	2.740037	1.307455	2.095702	0.036109	0.313267	ENSMUSG0 Dnah7c
ENSMUSG0	1167.464	0.412131	0.196682	2.095418	0.036134	0.313267	ENSMUSG0 Npnt
ENSMUSG0	67.00149	0.672936	0.321149	2.095401	0.036135	0.313267	ENSMUSG0 Nrgn
ENSMUSG0	9.435228	-1.26403	0.603324	-2.09511	0.036161	0.313267	ENSMUSG0 Gm20751

ENSMUSG0	607.4409	-0.36125	0.172476	-2.09449	0.036216	0.313267	ENSMUSG0 Cdh22
ENSMUSG0	115.6826	1.005139	0.479912	2.094423	0.036222	0.313267	ENSMUSG0 Serpinb6b
ENSMUSG0	23.92434	1.459186	0.69672	2.094366	0.036227	0.313267	ENSMUSG0 Gstp3
ENSMUSG0	650.7686	-0.55424	0.264657	-2.09419	0.036243	0.313267	ENSMUSG0 Commd6
ENSMUSG0	21.47449	1.573622	0.75145	2.094113	0.03625	0.313267	ENSMUSG0 Slco5a1
ENSMUSG0	57.94384	-0.56444	0.269538	-2.0941	0.036251	0.313267	ENSMUSG0 H2bc9
ENSMUSG0	49.33376	1.37845	0.658255	2.094096	0.036251	0.313267	ENSMUSG0 Nr5n2
ENSMUSG0	352.2934	0.414857	0.19816	2.093546	0.0363	0.31354	ENSMUSG0 Ogfr1
ENSMUSG0	48.7049	0.503932	0.240727	2.093376	0.036316	0.31354	ENSMUSG0 Ssu2
ENSMUSG0	4.722934	2.068007	0.988231	2.092635	0.036382	0.31394	ENSMUSG0 Cxcl5
ENSMUSG0	39.6637	1.023481	0.489121	2.092491	0.036395	0.31394	ENSMUSG0 Foxd3
ENSMUSG0	146.2548	-0.59265	0.283261	-2.09224	0.036417	0.313996	ENSMUSG01810034E1
ENSMUSG0	38.87362	0.683875	0.326987	2.091446	0.036488	0.31437	ENSMUSG0 Kih14
ENSMUSG0	63.29161	-0.57312	0.274038	-2.09139	0.036493	0.31437	ENSMUSG0 Dkk2
ENSMUSG0	81.31898	0.844304	0.40379	2.09095	0.036533	0.314472	ENSMUSG0 Tmem47
ENSMUSG0	421.8078	0.436714	0.208865	2.09089	0.036538	0.314472	ENSMUSG0 Mvk
ENSMUSG0	370.4713	-0.36057	0.172463	-2.09068	0.036556	0.314489	ENSMUSG09130023H2
ENSMUSG0	83.98863	-0.87406	0.418172	-2.0902	0.036599	0.314719	ENSMUSG0 Gramd2
ENSMUSG0	141.7566	0.775528	0.371132	2.08963	0.036651	0.315022	ENSMUSG0 Prickle2
ENSMUSG0	670.0518	0.421261	0.201625	2.089326	0.036678	0.315116	ENSMUSG0 Vasn
ENSMUSG0	1318.091	0.481517	0.230531	2.088728	0.036732	0.315368	ENSMUSG0 Pkd2
ENSMUSG0	111.6904	0.890754	0.426476	2.088636	0.03674	0.315368	ENSMUSG0 S100b
ENSMUSG0	1236.44	-0.39282	0.188125	-2.08809	0.03679	0.315445	ENSMUSG0 Atrn
ENSMUSG0	1168.036	-0.27782	0.133056	-2.08802	0.036796	0.315445	ENSMUSG02510009E0
ENSMUSG0	38.36852	0.796523	0.381478	2.087991	0.036799	0.315445	ENSMUSG02610507I01
ENSMUSG0	1705.056	-0.4574	0.219126	-2.08737	0.036855	0.315485	ENSMUSG0 Cbfa2t3
ENSMUSG0	307.4614	-0.54275	0.260029	-2.08728	0.036863	0.315485	ENSMUSG0 Gm34759
ENSMUSG0	1005.671	-0.31872	0.1527	-2.08723	0.036867	0.315485	ENSMUSG0 Arhgef5
ENSMUSG0	32.26648	0.659186	0.315835	2.087118	0.036877	0.315485	ENSMUSG0 Kif18a
ENSMUSG0	1399.009	-0.34541	0.165505	-2.08703	0.036886	0.315485	ENSMUSG0 Cnot3
ENSMUSG0	14.12831	-0.88511	0.424137	-2.08685	0.036902	0.315485	ENSMUSG0 Gm37529
ENSMUSG0	42.80111	-0.75567	0.362169	-2.08652	0.036932	0.315603	ENSMUSG0 Gm16861
ENSMUSG0	307.6827	0.394246	0.188985	2.086124	0.036967	0.315766	ENSMUSG0 Trim68
ENSMUSG0	24.73263	1.327182	0.636606	2.084778	0.037089	0.316359	ENSMUSG0 Gm15318
ENSMUSG0	154.2505	0.429039	0.205818	2.084554	0.03711	0.316359	ENSMUSG0 Slc35f1
ENSMUSG0	38.54236	-1.32247	0.634417	-2.08454	0.037111	0.316359	ENSMUSG0 Prkg2
ENSMUSG0	1283.889	-0.28851	0.138407	-2.08449	0.037116	0.316359	ENSMUSG0 Zc3h10
ENSMUSG0	35.83611	1.734142	0.831983	2.084347	0.037129	0.316359	ENSMUSG0 Gata5
ENSMUSG0	978.5828	0.273588	0.131263	2.084271	0.037136	0.316359	ENSMUSG0 Dnajc18
ENSMUSG0	27.42029	0.782324	0.37538	2.084084	0.037152	0.316364	ENSMUSG0 St8sia2
ENSMUSG0	2431.513	-0.47685	0.22888	-2.08342	0.037213	0.316736	ENSMUSG0 Tent5c
ENSMUSG0	57.12286	0.674624	0.323934	2.082593	0.037288	0.317239	ENSMUSG09930014A1
ENSMUSG0	286.5757	0.393453	0.18895	2.082316	0.037314	0.317314	ENSMUSG0 Pdgfr1
ENSMUSG0	1175.282	0.406359	0.195172	2.082054	0.037338	0.317378	ENSMUSG0 Epb4111
ENSMUSG0	31.36031	0.91754	0.441388	2.078762	0.037639	0.3198	ENSMUSG0 Gm50321
ENSMUSG0	983.6456	-0.32333	0.155566	-2.07843	0.03767	0.319819	ENSMUSG0 Dlg3
ENSMUSG0	24.22394	0.976871	0.470016	2.078377	0.037675	0.319819	ENSMUSG0 Lrrc14b
ENSMUSG0	176.7128	0.483885	0.23289	2.077737	0.037734	0.320178	ENSMUSG0 Map3k20
ENSMUSG0	4.507657	1.872128	0.901199	2.077375	0.037767	0.32032	ENSMUSG0 Gabra2
ENSMUSG0	27.66686	1.336257	0.643517	2.076491	0.037849	0.320715	ENSMUSG0 Ulbp1
ENSMUSG0	40.53426	1.27702	0.615011	2.076418	0.037855	0.320715	ENSMUSG0 Fam131b
ENSMUSG0	53.87479	0.715994	0.344837	2.076328	0.037864	0.320715	ENSMUSG0 Tnfaip811

ENSMUSG0	267.2526	-1.86797	0.899756	-2.07608	0.037886	0.320766	ENSMUSG0 Tmed11
ENSMUSG0	333.7786	-0.31841	0.153404	-2.07563	0.037928	0.320903	ENSMUSG0 Galr3
ENSMUSG0	13.99992	1.966965	0.947685	2.075547	0.037936	0.320903	ENSMUSG0 Gm49391
ENSMUSG0	358.5853	-0.55296	0.266561	-2.07441	0.038041	0.32165	ENSMUSG0 Mcm9
ENSMUSG0	552.9385	0.410651	0.197986	2.074146	0.038066	0.321719	ENSMUSG0 Dbn1
ENSMUSG0	3480.634	-0.3092	0.149118	-2.07354	0.038122	0.321966	ENSMUSG0 Rab27a
ENSMUSG0	171.1941	0.555472	0.267894	2.073472	0.038128	0.321966	ENSMUSG0 Ptprz1
ENSMUSG0	385.0195	-0.37208	0.179478	-2.07314	0.038159	0.322048	ENSMUSG0 Zfp408
ENSMUSG0	6.485296	-1.38164	0.666489	-2.07301	0.038172	0.322048	ENSMUSG0 Gm42727
ENSMUSG0	767.1008	-0.52575	0.253654	-2.07272	0.038198	0.322132	ENSMUSG0 Rassf4
ENSMUSG0	85.44539	-0.45031	0.217354	-2.07178	0.038286	0.322727	ENSMUSG01700056E2
ENSMUSG0	76.1633	1.045681	0.504887	2.07112	0.038348	0.323108	ENSMUSG0 Arhgap22
ENSMUSG0	72.71934	0.810125	0.391227	2.07073	0.038384	0.323273	ENSMUSG0 Pcdhac2
ENSMUSG0	28.27358	-0.98244	0.474509	-2.07044	0.038411	0.323357	ENSMUSG0 Gm36543
ENSMUSG0	2402.442	-0.23822	0.115101	-2.06969	0.038481	0.323601	ENSMUSG0 Ctdspl
ENSMUSG0	470.4993	0.555519	0.268424	2.069554	0.038494	0.323601	ENSMUSG0 Tmtc1
ENSMUSG0	785.5703	0.45988	0.222231	2.069379	0.038511	0.323601	ENSMUSG0 Enc1
ENSMUSG0	18.2293	1.460351	0.705703	2.069358	0.038512	0.323601	ENSMUSG0 Prrg4
ENSMUSG0	988.5418	0.29435	0.142251	2.069236	0.038524	0.323601	ENSMUSG0 Ptk2
ENSMUSG0	120.5643	0.612542	0.29609	2.068773	0.038567	0.323825	ENSMUSG0 Zbtb46
ENSMUSG0	13.34634	1.458412	0.7051	2.068377	0.038605	0.323871	ENSMUSG0 Nxph4
ENSMUSG0	53.11515	0.769703	0.372133	2.068356	0.038607	0.323871	ENSMUSG0 Kif27
ENSMUSG0	373.1265	-0.43698	0.211456	-2.06651	0.03878	0.324788	ENSMUSG0 Pced1b
ENSMUSG0	24.31246	0.899581	0.435339	2.066392	0.038791	0.324788	ENSMUSG0 Ccdc106
ENSMUSG0	454.0801	-0.40969	0.198275	-2.06629	0.038801	0.324788	ENSMUSG0 Isoc2b
ENSMUSG0	2044.94	0.415418	0.20105	2.066243	0.038806	0.324788	ENSMUSG0 Syngn1
ENSMUSG0	354.7422	0.508139	0.245935	2.06615	0.038814	0.324788	ENSMUSG0 Rtkn
ENSMUSG0	1301.587	-0.23337	0.112962	-2.06597	0.038832	0.324788	ENSMUSG0 Rprd1b
ENSMUSG0	195.2825	0.582834	0.282152	2.065674	0.038859	0.324788	ENSMUSG0 Fzd5
ENSMUSG0	1594.982	-0.30837	0.149282	-2.06566	0.03886	0.324788	ENSMUSG0 Osbpl2
ENSMUSG0	628.2043	-0.50999	0.246897	-2.06558	0.038868	0.324788	ENSMUSG0 Prt1
ENSMUSG0	33.21782	-0.98345	0.476249	-2.06499	0.038924	0.325114	ENSMUSG01700063J08
ENSMUSG0	15.77237	1.007774	0.488293	2.063872	0.03903	0.325698	ENSMUSG0 Catsperg1
ENSMUSG0	10.98437	-1.20403	0.583438	-2.06368	0.039048	0.325698	ENSMUSG01700041G1
ENSMUSG0	3.362333	2.176611	1.054799	2.063531	0.039062	0.325698	ENSMUSG0 Ndst3
ENSMUSG0	245.5913	0.943365	0.45717	2.063488	0.039066	0.325698	ENSMUSG0 Cadm3
ENSMUSG0	55.03073	0.781523	0.378762	2.063361	0.039078	0.325698	ENSMUSG0 Tnfrsf14
ENSMUSG0	488.1772	0.557658	0.270328	2.062894	0.039123	0.325926	ENSMUSG0 Dbndd2
ENSMUSG0	331.0317	-0.34559	0.167616	-2.0618	0.039227	0.326563	ENSMUSG0 Zfp688
ENSMUSG0	964.3214	-0.58309	0.282815	-2.06173	0.039233	0.326563	ENSMUSG0 Tenm3
ENSMUSG0	307.539	0.874616	0.424368	2.060986	0.039304	0.327015	ENSMUSG0 Col5a2
ENSMUSG0	906.8129	0.301599	0.146352	2.060776	0.039324	0.32704	ENSMUSG0 Rap1gds1
ENSMUSG0	73.98311	-0.67222	0.326246	-2.06048	0.039353	0.327133	ENSMUSG0 Ppargc1b
ENSMUSG0	17.50164	-1.18906	0.577151	-2.06022	0.039378	0.327159	ENSMUSG05930403N2
ENSMUSG0	31.59794	-1.47166	0.714364	-2.06009	0.03939	0.327159	ENSMUSG0 Cela3a
ENSMUSG0	20.78371	1.2742	0.618614	2.059768	0.039421	0.327179	ENSMUSG0 Fmod
ENSMUSG0	296.1003	-0.35083	0.170329	-2.05971	0.039426	0.327179	ENSMUSG0 Ccdc84
ENSMUSG0	257.6768	-0.61151	0.297002	-2.05894	0.0395	0.327651	ENSMUSG0 Cgref1
ENSMUSG0	163.1925	-1.36669	0.664098	-2.05796	0.039594	0.328248	ENSMUSG0 Reg3b
ENSMUSG0	410.0214	-0.34793	0.169074	-2.05783	0.039606	0.328248	ENSMUSG0 Mtg2
ENSMUSG0	19.15419	1.885878	0.916597	2.057479	0.03964	0.328389	ENSMUSG02310057J18
ENSMUSG0	1357.587	-0.28245	0.137303	-2.05713	0.039673	0.328521	ENSMUSG0 Abhd17c

ENSMUSG0	87.7892	0.558821	0.271731	2.056522	0.039732	0.328868	ENSMUSG0 Dscam
ENSMUSG0	186.6727	1.990091	0.967853	2.056192	0.039764	0.328989	ENSMUSG0 Wfdc18
ENSMUSG0	88.16396	1.23933	0.602867	2.055726	0.039809	0.32909	ENSMUSG0 Prkcq
ENSMUSG0	2635.221	0.305886	0.148798	2.055711	0.03981	0.32909	ENSMUSG0 Map7d1
ENSMUSG0	40181.19	-1.60109	0.779175	-2.05485	0.039893	0.329483	ENSMUSG0 Zg16
ENSMUSG0	3.738325	2.364131	1.150607	2.054681	0.03991	0.329483	ENSMUSG0 Ampd1
ENSMUSG0	4.456225	-1.7855	0.869089	-2.05445	0.039932	0.329483	ENSMUSG0 C230057Ml
ENSMUSG0	390.3008	0.470765	0.22916	2.054302	0.039946	0.329483	ENSMUSG0 Vamp1
ENSMUSG0	425.8978	-0.55572	0.270551	-2.05405	0.039971	0.329483	ENSMUSG0 Dhx37
ENSMUSG0	972.5864	0.235159	0.114488	2.054003	0.039975	0.329483	ENSMUSG0 Rcn1
ENSMUSG0	450.6444	-0.42296	0.205924	-2.05398	0.039978	0.329483	ENSMUSG0 Pklr
ENSMUSG0	386.0807	1.017807	0.495655	2.053458	0.040028	0.329742	ENSMUSG0 Kif21b
ENSMUSG0	22.22978	1.424625	0.693822	2.0533	0.040043	0.329742	ENSMUSG0 St6galnac2
ENSMUSG0	33.6664	0.849417	0.413753	2.052957	0.040077	0.329758	ENSMUSG0 Camk4
ENSMUSG0	227.5294	-0.43216	0.210514	-2.05286	0.040086	0.329758	ENSMUSG0 Adgrv1
ENSMUSG0	1471.623	-0.48612	0.23683	-2.05261	0.04011	0.329758	ENSMUSG0 Vipr1
ENSMUSG0	164.9038	-0.36861	0.179618	-2.05219	0.040152	0.329758	ENSMUSG0 Zfp784
ENSMUSG0	13.75912	-1.05684	0.515041	-2.05195	0.040175	0.329758	ENSMUSG0 Gm43341
ENSMUSG0	3.020301	4.763138	2.32145	2.051795	0.04019	0.329758	ENSMUSG0 Gm48113
ENSMUSG0	6.353086	1.40633	0.68543	2.051749	0.040194	0.329758	ENSMUSG0 Gm13056
ENSMUSG0	4867.442	-0.33474	0.163161	-2.05161	0.040207	0.329758	ENSMUSG0 Gorasp2
ENSMUSG0	81.03407	0.911578	0.444331	2.051575	0.040211	0.329758	ENSMUSG0 Rassf9
ENSMUSG0	255.0903	-0.3204	0.156177	-2.05151	0.040217	0.329758	ENSMUSG0 Clp1
ENSMUSG0	467.4905	0.408187	0.199098	2.050186	0.040346	0.330347	ENSMUSG0 Kank2
ENSMUSG0	1063.846	-0.50992	0.248728	-2.05011	0.040353	0.330347	ENSMUSG0 Ergic2
ENSMUSG0	3.283962	-3.27467	1.597345	-2.05007	0.040357	0.330347	ENSMUSG0 Gm3417
ENSMUSG0	3.093288	-2.09721	1.023085	-2.04989	0.040375	0.33035	ENSMUSG0 C230031118
ENSMUSG0	38.19374	1.005073	0.490362	2.049658	0.040398	0.330397	ENSMUSG0 Camk2a
ENSMUSG0	533.8256	-0.4245	0.207129	-2.04944	0.040419	0.330426	ENSMUSG0 Nabp1
ENSMUSG0	276.7215	0.410328	0.200241	2.049168	0.040446	0.330507	ENSMUSG0 Nostrin
ENSMUSG0	2014.259	-0.25765	0.125761	-2.0487	0.040491	0.330739	ENSMUSG0 Rragc
ENSMUSG0	3.357191	-1.66178	0.811226	-2.04848	0.040513	0.330774	ENSMUSG0 Gm5879
ENSMUSG0	861.1761	-0.5742	0.280337	-2.04825	0.040536	0.330821	ENSMUSG0 Msrb1
ENSMUSG0	36.0647	-0.78343	0.382547	-2.04794	0.040566	0.330825	ENSMUSG0 Gm43343
ENSMUSG0	349.9789	-0.38277	0.186911	-2.04789	0.040571	0.330825	ENSMUSG0 Gtf2h3
ENSMUSG0	154.3132	0.45911	0.224218	2.047606	0.040599	0.330913	ENSMUSG0 Alox12
ENSMUSG0	524.2027	-0.40054	0.195642	-2.04733	0.040626	0.330916	ENSMUSG0 Rhbdd1
ENSMUSG0	149.6703	0.718253	0.350838	2.047251	0.040633	0.330916	ENSMUSG0 Gm4739
ENSMUSG0	10.6083	-1.9191	0.937579	-2.04686	0.040672	0.331087	ENSMUSG0 1810008B0
ENSMUSG0	1022.603	0.379674	0.185631	2.045314	0.040824	0.332186	ENSMUSG0 Asph
ENSMUSG0	175.0127	-1.25836	0.615346	-2.04496	0.040859	0.332313	ENSMUSG0 Reg2
ENSMUSG0	617.7139	0.435966	0.213207	2.044806	0.040874	0.332313	ENSMUSG0 Arid5b
ENSMUSG0	84.03603	0.923068	0.451638	2.043823	0.040971	0.332883	ENSMUSG0 Hand2os1
ENSMUSG0	793.1295	-0.33415	0.16352	-2.04346	0.041007	0.332883	ENSMUSG0 Maml3
ENSMUSG0	32.57653	1.019331	0.498827	2.043457	0.041007	0.332883	ENSMUSG0 Pcdha11
ENSMUSG0	3159.557	-0.27953	0.136795	-2.04339	0.041014	0.332883	ENSMUSG0 Epb4114b
ENSMUSG0	499.0419	0.292309	0.143063	2.04322	0.041031	0.332883	ENSMUSG0 Tspan14
ENSMUSG0	36.47639	1.073902	0.52582	2.042338	0.041118	0.333409	ENSMUSG0 St6galnac3
ENSMUSG0	1069.934	-0.37103	0.181678	-2.04222	0.04113	0.333409	ENSMUSG0 Rnf217
ENSMUSG0	114.2429	0.867928	0.425085	2.041774	0.041174	0.333624	ENSMUSG0 Chrnbl
ENSMUSG0	4777.348	0.406776	0.199291	2.041117	0.041239	0.333802	ENSMUSG0 Map3k15
ENSMUSG0	11.42815	1.427582	0.699415	2.041109	0.04124	0.333802	ENSMUSG0 Tenm1

ENSMUSG0	118.0614	0.5503	0.269644	2.04084	0.041267	0.333802	ENSMUSG0 Ntn3
ENSMUSG0	146.6066	1.935684	0.948497	2.040791	0.041272	0.333802	ENSMUSG0 Apol7c
ENSMUSG0	3.962427	-2.04251	1.001114	-2.04024	0.041327	0.333802	ENSMUSG0 Gm26686
ENSMUSG0	9.981118	-1.05553	0.5174	-2.04006	0.041344	0.333802	ENSMUSG0 Mgarp
ENSMUSG0	137.1649	-0.474	0.232349	-2.04005	0.041345	0.333802	ENSMUSG0 Rassf6
ENSMUSG0	4.482458	2.048804	1.004312	2.040008	0.04135	0.333802	ENSMUSG0 Shc3
ENSMUSG0	6.254397	1.541255	0.755524	2.039982	0.041352	0.333802	ENSMUSG0 Dok6
ENSMUSG0	18.18397	1.083575	0.531246	2.039687	0.041382	0.333804	ENSMUSG0 Mag
ENSMUSG0	1126.386	-0.47423	0.23251	-2.03963	0.041387	0.333804	ENSMUSG0 Snph
ENSMUSG0	18531.37	-0.43768	0.214684	-2.03874	0.041476	0.334249	ENSMUSG0 Atp2a2
ENSMUSG0	369.0555	0.5842	0.286566	2.038624	0.041488	0.334249	ENSMUSG0 Fcho1
ENSMUSG0	208.4859	-0.598	0.293343	-2.03856	0.041494	0.334249	ENSMUSG0 1810059H2
ENSMUSG0	585.4033	-0.56536	0.277366	-2.03833	0.041517	0.334293	ENSMUSG0 Rfesd
ENSMUSG0	298.5883	0.490275	0.240574	2.037937	0.041556	0.334467	ENSMUSG0 Fkbp14
ENSMUSG0	27.43301	0.797372	0.391398	2.037238	0.041626	0.33489	ENSMUSG0 Padi1
ENSMUSG0	8.497258	-1.42554	0.699817	-2.03702	0.041648	0.334927	ENSMUSG0 Gm16364
ENSMUSG0	31.94359	0.599994	0.294665	2.036187	0.041732	0.335282	ENSMUSG0 Lca5l
ENSMUSG0	124.5822	-0.53048	0.260544	-2.03606	0.041744	0.335282	ENSMUSG0 Igf2bp2
ENSMUSG0	2667.827	-0.20281	0.099615	-2.03595	0.041755	0.335282	ENSMUSG0 Riok3
ENSMUSG0	28.0612	-0.76102	0.37384	-2.03568	0.041782	0.335282	ENSMUSG0 Gm42971
ENSMUSG0	395.4045	-0.39329	0.19322	-2.03544	0.041807	0.335282	ENSMUSG0 Sdhaf1
ENSMUSG0	2579.659	-0.40311	0.198076	-2.03514	0.041837	0.335282	ENSMUSG0 Arfgap3
ENSMUSG0	2022.454	-0.30997	0.152316	-2.03503	0.041848	0.335282	ENSMUSG0 Rab3gap2
ENSMUSG0	9.930504	1.204924	0.592168	2.034766	0.041874	0.335282	ENSMUSG0 Abca6
ENSMUSG0	913.6979	0.367094	0.180415	2.034725	0.041879	0.335282	ENSMUSG0 Hdac7
ENSMUSG0	1242.365	-0.41152	0.202254	-2.03467	0.041884	0.335282	ENSMUSG0 Mrps12
ENSMUSG0	5390.08	-0.65794	0.323473	-2.034	0.041951	0.335633	ENSMUSG0 Spc25
ENSMUSG0	58.05636	0.782668	0.384814	2.033889	0.041963	0.335633	ENSMUSG0 Ptpre
ENSMUSG0	537.4375	0.332037	0.163318	2.033066	0.042046	0.335878	ENSMUSG0 Nacc2
ENSMUSG0	120.9141	1.15728	0.569259	2.032957	0.042057	0.335878	ENSMUSG0 ccdc198
ENSMUSG0	59.22719	0.747022	0.367467	2.032897	0.042063	0.335878	ENSMUSG0 Ugt8a
ENSMUSG0	175.5804	1.085611	0.534035	2.032847	0.042068	0.335878	ENSMUSG0 Pglyrp1
ENSMUSG0	11.23655	-1.26975	0.624658	-2.03272	0.042081	0.335878	ENSMUSG0 AC107792.1
ENSMUSG0	696.3716	0.322553	0.158703	2.032435	0.04211	0.335958	ENSMUSG0 Rarg
ENSMUSG0	246.5605	-0.30458	0.149872	-2.03228	0.042126	0.335958	ENSMUSG0 Smg8
ENSMUSG0	4.099527	1.872788	0.921614	2.032074	0.042146	0.335982	ENSMUSG0 Gm9725
ENSMUSG0	15.91487	1.837742	0.904455	2.031878	0.042166	0.336001	ENSMUSG0 Igkv4-53
ENSMUSG0	323.3644	-0.36288	0.178615	-2.03165	0.042189	0.336048	ENSMUSG0 Tmem151b
ENSMUSG0	36.43937	0.758065	0.373241	2.031033	0.042252	0.336266	ENSMUSG0 Layn
ENSMUSG0	69.64309	-0.79311	0.390496	-2.03103	0.042252	0.336266	ENSMUSG0 0610040B1
ENSMUSG0	17.28791	1.324894	0.652456	2.030627	0.042293	0.336454	ENSMUSG0 Crb2
ENSMUSG0	1531.99	-0.29258	0.144122	-2.03012	0.042345	0.336727	ENSMUSG0 Vps25
ENSMUSG0	144.4388	-1.17697	0.579837	-2.02983	0.042374	0.336818	ENSMUSG0 1810018F1
ENSMUSG0	651.5714	-0.41802	0.205958	-2.02964	0.042393	0.336828	ENSMUSG0 Alg5
ENSMUSG0	3.066905	2.207634	1.087826	2.0294	0.042418	0.336828	ENSMUSG0 Gm43143
ENSMUSG0	737.025	-0.46689	0.23008	-2.02927	0.042431	0.336828	ENSMUSG0 Grk5
ENSMUSG0	1117.213	0.388452	0.191437	2.029132	0.042445	0.336828	ENSMUSG0 Plekha2
ENSMUSG0	154.901	0.921226	0.454138	2.028514	0.042508	0.337055	ENSMUSG0 Minar2
ENSMUSG0	3.837512	-1.56814	0.773124	-2.02832	0.042528	0.337055	ENSMUSG0 Gm47257
ENSMUSG0	137.6779	-0.70802	0.349072	-2.02831	0.042529	0.337055	ENSMUSG0 H1f3
ENSMUSG0	15.00407	0.912453	0.449891	2.028162	0.042544	0.337055	ENSMUSG0 Gm16090
ENSMUSG0	156.9499	0.54626	0.269502	2.026925	0.04267	0.337917	ENSMUSG0 Hhatl

ENSMUSG0	15.6167	0.81101	0.400185	2.026588	0.042705	0.338051	ENSMUSG0	Cacnb4
ENSMUSG0	516.6951	-0.32782	0.161773	-2.02639	0.042725	0.33807	ENSMUSG0	Soga3
ENSMUSG0	88.65358	-1.11746	0.551761	-2.02526	0.04284	0.338847	ENSMUSG0	Gata4
ENSMUSG0	70.04609	-0.65859	0.325281	-2.02468	0.042901	0.339186	ENSMUSG0	4930550C1
ENSMUSG0	3.721101	2.1426	1.05837	2.024434	0.042926	0.339189	ENSMUSG0	AY512931
ENSMUSG0	4.048097	-1.58853	0.784726	-2.02431	0.042939	0.339189	ENSMUSG0	Bhlha9
ENSMUSG0	163.788	0.561432	0.27738	2.024056	0.042964	0.339189	ENSMUSG0	Zfp941
ENSMUSG0	4.272579	2.03758	1.006717	2.023985	0.042972	0.339189	ENSMUSG0	Bpifc
ENSMUSG0	18.41573	-0.84029	0.415217	-2.02375	0.042996	0.339242	ENSMUSG0	Dnmt3bos
ENSMUSG0	1030.683	-0.32603	0.161205	-2.02245	0.04313	0.340162	ENSMUSG0	Yrdc
ENSMUSG0	787.5576	0.978935	0.484305	2.021318	0.043247	0.340941	ENSMUSG0	Elm
ENSMUSG0	353.2354	-1.59314	0.788315	-2.02094	0.043286	0.34111	ENSMUSG0	Cabp2
ENSMUSG0	2232.225	0.605668	0.299736	2.020669	0.043314	0.341191	ENSMUSG0	Syt11
ENSMUSG0	307.6847	0.306757	0.151939	2.018951	0.043492	0.342455	ENSMUSG0	Mfhas1
ENSMUSG0	570.7124	0.476581	0.236172	2.017938	0.043598	0.342939	ENSMUSG0	1700017B0
ENSMUSG0	172.5008	-0.5701	0.28252	-2.0179	0.043601	0.342939	ENSMUSG0	Tmem121b
ENSMUSG0	292.166	0.556447	0.275773	2.017773	0.043615	0.342939	ENSMUSG0	Mest
ENSMUSG0	24.56679	1.502583	0.74471	2.017675	0.043625	0.342939	ENSMUSG0	Tiam2
ENSMUSG0	468.6828	0.325248	0.161258	2.016939	0.043702	0.343369	ENSMUSG0	Arhgef10l
ENSMUSG0	2585.461	-0.50846	0.252127	-2.01668	0.043729	0.343369	ENSMUSG0	Smim10l1
ENSMUSG0	31.49552	-0.78858	0.391038	-2.01664	0.043733	0.343369	ENSMUSG0	B230362B0
ENSMUSG0	2351.756	-0.27346	0.135661	-2.01574	0.043827	0.343961	ENSMUSG0	Ube2q1
ENSMUSG0	31.4806	1.000794	0.496639	2.015133	0.043891	0.34414	ENSMUSG0	Alpk1
ENSMUSG0	1428.35	-0.23749	0.117868	-2.0149	0.043915	0.34414	ENSMUSG0	Mbd6
ENSMUSG0	232.883	0.757111	0.375766	2.014848	0.043921	0.34414	ENSMUSG0	Nhs1
ENSMUSG0	1339.453	0.330232	0.1639	2.014844	0.043921	0.34414	ENSMUSG0	Bace1
ENSMUSG0	113.2406	-0.43051	0.213708	-2.01447	0.04396	0.344306	ENSMUSG0	Fgfbp3
ENSMUSG0	11.49506	-1.02457	0.508693	-2.01412	0.043997	0.344455	ENSMUSG0	A430027C0
ENSMUSG0	22.37173	1.414063	0.70216	2.013876	0.044023	0.344515	ENSMUSG0	Ltc4s
ENSMUSG0	57.34625	1.260652	0.626433	2.012429	0.044175	0.345566	ENSMUSG0	Aim2
ENSMUSG0	302.7102	0.540837	0.268827	2.011837	0.044237	0.345821	ENSMUSG0	Gfra1
ENSMUSG0	709.1166	0.30816	0.153178	2.011778	0.044243	0.345821	ENSMUSG0	Pitpnc1
ENSMUSG0	448.2568	-0.43492	0.216208	-2.0116	0.044262	0.345826	ENSMUSG0	N4bp2os
ENSMUSG0	67.80474	0.90591	0.450504	2.010879	0.044338	0.346222	ENSMUSG0	Hebp2
ENSMUSG0	41837.94	-0.577	0.286955	-2.01078	0.044349	0.346222	ENSMUSG0	mt-Nd1
ENSMUSG0	238.9286	-0.37942	0.188731	-2.0104	0.044389	0.346363	ENSMUSG0	CA130010J1!
ENSMUSG0	63.09484	0.707652	0.352019	2.010269	0.044403	0.346363	ENSMUSG0	Cep128
ENSMUSG0	1369.452	-0.30161	0.150058	-2.00996	0.044435	0.346461	ENSMUSG0	Tmem134
ENSMUSG0	81.41463	0.835627	0.415774	2.009809	0.044451	0.346461	ENSMUSG0	Fmn1
ENSMUSG0	1223.034	-0.43148	0.214724	-2.00944	0.04449	0.346623	ENSMUSG0	Hopx
ENSMUSG0	181.3484	-0.58164	0.289642	-2.00814	0.044628	0.34755	ENSMUSG0	Ankrd37
ENSMUSG0	7.723852	1.163964	0.579723	2.007794	0.044665	0.34755	ENSMUSG0	Morn5
ENSMUSG0	12.01984	-1.13907	0.567356	-2.00768	0.044678	0.34755	ENSMUSG0	Gm37519
ENSMUSG0	3.153984	3.610847	1.798551	2.007642	0.044681	0.34755	ENSMUSG0	Optc
ENSMUSG0	40.59673	0.845182	0.421022	2.007452	0.044702	0.347566	ENSMUSG0	Unc5cl
ENSMUSG0	93.33891	0.476358	0.237451	2.006131	0.044842	0.34852	ENSMUSG0	Casq2
ENSMUSG0	1674.041	0.42207	0.210441	2.005651	0.044894	0.348777	ENSMUSG0	Impact
ENSMUSG0	42.27105	-1.30988	0.653297	-2.00502	0.044961	0.349054	ENSMUSG0	Itih4
ENSMUSG0	506.903	0.472503	0.235665	2.004977	0.044965	0.349054	ENSMUSG0	Nedd9
ENSMUSG0	113.5173	0.853469	0.425938	2.003738	0.045098	0.349829	ENSMUSG0	Fkbp10
ENSMUSG0	550.8129	-0.47799	0.23857	-2.00357	0.045116	0.349829	ENSMUSG0	Cgrrf1
ENSMUSG0	13775.13	0.225138	0.11237	2.003536	0.04512	0.349829	ENSMUSG0	Kcnk16

ENSMUSG0	381.4838	0.656089	0.327561	2.002951	0.045183	0.350174	ENSMUSG0 Irx1
ENSMUSG0	11.66335	1.314185	0.656266	2.00252	0.045229	0.350392	ENSMUSG0 I730030J21
ENSMUSG0	446.5812	-0.40798	0.203763	-2.00224	0.045259	0.350483	ENSMUSG0 Apopt1
ENSMUSG0	4.277478	3.18073	1.588727	2.002062	0.045278	0.350491	ENSMUSG0 Gabra1
ENSMUSG0	390.3813	0.484135	0.241845	2.001839	0.045302	0.350535	ENSMUSG0 Fchsd1
ENSMUSG0	1035.661	-1.5965	0.79766	-2.00148	0.045341	0.350694	ENSMUSG0 Amy2b
ENSMUSG0	48.90995	0.795581	0.397558	2.001173	0.045374	0.350808	ENSMUSG0 Fzd2
ENSMUSG0	451.9562	0.412935	0.206403	2.000619	0.045433	0.351128	ENSMUSG0 Slc12a4
ENSMUSG0	300.2434	-0.27866	0.139317	-2.00019	0.045479	0.351343	ENSMUSG0 Lactb
ENSMUSG0	616.0647	0.660979	0.330486	2.000023	0.045498	0.351343	ENSMUSG0 Tmprss2
ENSMUSG0	16.13166	-1.34581	0.673041	-1.99959	0.045544	0.351425	ENSMUSG0 Col25a1
ENSMUSG0	406.8147	-0.42446	0.212272	-1.99959	0.045545	0.351425	ENSMUSG0 Rab4a
ENSMUSG0	11590.4	-0.26148	0.130807	-1.99897	0.045611	0.351726	ENSMUSG0 Pabpc1
ENSMUSG0	3.768133	-1.64343	0.822173	-1.99889	0.045621	0.351726	ENSMUSG0 E030044B0
ENSMUSG0	2458.363	-0.25723	0.128737	-1.99812	0.045703	0.352225	ENSMUSG0 Dhdds
ENSMUSG0	459.4269	0.711591	0.356286	1.997246	0.045798	0.352815	ENSMUSG0 Col16a1
ENSMUSG0	1232.642	-0.36812	0.184338	-1.99701	0.045824	0.352872	ENSMUSG0 Chchd10
ENSMUSG0	3.876441	1.955366	0.979265	1.99677	0.04585	0.352931	ENSMUSG0 A230083G1
ENSMUSG0	209.4542	-0.38082	0.190738	-1.99656	0.045873	0.352966	ENSMUSG0 Prss36
ENSMUSG0	308.3092	0.433564	0.217285	1.995364	0.046003	0.353825	ENSMUSG0 Drc1
ENSMUSG0	4123.954	-0.44306	0.222178	-1.99417	0.046134	0.354592	ENSMUSG0 Pcx
ENSMUSG0	1038.041	0.534501	0.268043	1.994085	0.046143	0.354592	ENSMUSG0 Ephx1
ENSMUSG0	36.09704	-1.15752	0.580517	-1.99394	0.046158	0.354592	ENSMUSG0 Tsga10ip
ENSMUSG0	1858.277	0.232261	0.116524	1.993236	0.046236	0.355046	ENSMUSG0 Fto
ENSMUSG0	737.6051	-0.26493	0.132936	-1.99292	0.04627	0.355156	ENSMUSG0 Ostm1
ENSMUSG0	40.90614	0.989783	0.496688	1.992767	0.046287	0.355156	ENSMUSG0 Stmn4
ENSMUSG0	28.98914	0.710201	0.356585	1.991671	0.046407	0.355936	ENSMUSG0 Chil6
ENSMUSG0	46.09953	0.541841	0.2721	1.991327	0.046445	0.356085	ENSMUSG0 Pknx2
ENSMUSG0	581.3256	0.744006	0.373675	1.991052	0.046475	0.356174	ENSMUSG0 Cxcl16
ENSMUSG0	1009.824	-0.35649	0.179089	-1.99057	0.046528	0.356438	ENSMUSG0 Acbd6
ENSMUSG0	333.6969	-0.40105	0.20152	-1.99015	0.046575	0.356653	ENSMUSG0 Slc2a8
ENSMUSG0	3884.624	0.300297	0.150948	1.989407	0.046656	0.357135	ENSMUSG0 Glud1
ENSMUSG0	3.902507	2.334222	1.173683	1.988801	0.046723	0.357296	ENSMUSG0 Gria1
ENSMUSG0	422.6897	-0.49434	0.248567	-1.98876	0.046727	0.357296	ENSMUSG0 Gnat2
ENSMUSG0	6789.434	-0.35917	0.180604	-1.98871	0.046733	0.357296	ENSMUSG0 Spcs3
ENSMUSG0	163.0917	0.571817	0.287577	1.988398	0.046768	0.357419	ENSMUSG0 Lmln
ENSMUSG0	17.96774	-0.95432	0.480016	-1.9881	0.046801	0.357531	ENSMUSG0 H4c12
ENSMUSG0	578.7057	-0.2838	0.142783	-1.98765	0.046851	0.35762	ENSMUSG0 Dffa
ENSMUSG0	261.1155	0.812043	0.408553	1.987606	0.046855	0.35762	ENSMUSG0 Syngn3
ENSMUSG0	2673.973	-0.54092	0.272161	-1.98749	0.046868	0.35762	ENSMUSG0 Emilin1
ENSMUSG0	3027.474	-0.34724	0.174728	-1.98731	0.046888	0.357627	ENSMUSG0 Cabp7
ENSMUSG0	890.5597	-0.30813	0.155098	-1.98664	0.046962	0.358049	ENSMUSG0 Clpb
ENSMUSG0	116.8279	-0.43906	0.221158	-1.98525	0.047117	0.358972	ENSMUSG0 Cenpo
ENSMUSG0	11.57199	1.333144	0.671535	1.985218	0.04712	0.358972	ENSMUSG0 Cdh20
ENSMUSG0	9.356735	-1.22365	0.616609	-1.98448	0.047203	0.359459	ENSMUSG0 F10
ENSMUSG0	3009661	-0.65602	0.330618	-1.98423	0.047231	0.359464	ENSMUSG0 Ins1
ENSMUSG0	1283.08	-1.42802	0.719719	-1.98413	0.047241	0.359464	ENSMUSG0 Erp27
ENSMUSG0	4.930688	2.498623	1.259595	1.983671	0.047293	0.35956	ENSMUSG0 Chst5
ENSMUSG0	41.21945	-0.60794	0.306484	-1.9836	0.0473	0.35956	ENSMUSG0 Chn1os3
ENSMUSG0	1225.38	0.309601	0.156087	1.983519	0.047309	0.35956	ENSMUSG0 Spin1
ENSMUSG0	3.327389	1.753826	0.884391	1.983089	0.047358	0.359783	ENSMUSG0 Gm5086
ENSMUSG0	61.66154	0.66822	0.336989	1.982911	0.047377	0.359791	ENSMUSG0 Lrrtm2

ENSMUSG0	8737.907	-1.40604	0.709166	-1.98267	0.047405	0.359857	ENSMUSG0 Tff2
ENSMUSG0	519.8155	0.566021	0.285526	1.982376	0.047437	0.359961	ENSMUSG0 Ptprg
ENSMUSG0	7.58658	-1.66921	0.842109	-1.98217	0.04746	0.359989	ENSMUSG0 Gm17981
ENSMUSG0	52.41436	0.5346	0.269745	1.981872	0.047494	0.359989	ENSMUSG0 Kcnk2
ENSMUSG0	2048.329	-0.33164	0.167338	-1.98184	0.047497	0.359989	ENSMUSG0 Cmpk1
ENSMUSG0	58.33755	0.713572	0.360132	1.981417	0.047545	0.360166	ENSMUSG0 Ngf
ENSMUSG0	2326.041	-0.35049	0.1769	-1.9813	0.047558	0.360166	ENSMUSG0 Gmppa
ENSMUSG0	2114.389	-0.48551	0.245086	-1.98098	0.047594	0.360298	ENSMUSG0 Mroh1
ENSMUSG0	16.57393	0.932138	0.470606	1.980718	0.047623	0.360375	ENSMUSG0 Kcnh7
ENSMUSG0	294.1272	-0.35977	0.181658	-1.98047	0.04765	0.36044	ENSMUSG0 Bivm
ENSMUSG0	74.98223	-0.52467	0.264971	-1.98009	0.047694	0.360547	ENSMUSG0 Mesp1
ENSMUSG0	24.5769	0.706484	0.356812	1.979991	0.047705	0.360547	ENSMUSG0 Eno4
ENSMUSG0	41.18856	-0.56288	0.284303	-1.97985	0.047721	0.360547	ENSMUSG0 Ccdc116
ENSMUSG0	52.85444	-1.00683	0.508643	-1.97944	0.047766	0.360751	ENSMUSG0 Slc6a20a
ENSMUSG0	19318.35	-0.42131	0.212945	-1.97848	0.047875	0.36137	ENSMUSG0 Selenop
ENSMUSG0	4.110574	-1.98873	1.005252	-1.97834	0.047891	0.36137	ENSMUSG0 C030010L1
ENSMUSG0	8388.677	-0.39207	0.198204	-1.97811	0.047916	0.36137	ENSMUSG0 Xbp1
ENSMUSG0	456.7039	-0.30158	0.15248	-1.97785	0.047945	0.36137	ENSMUSG0 Dusp7
ENSMUSG0	42.50723	-1.38147	0.698481	-1.97781	0.04795	0.36137	ENSMUSG0 Kik1b3
ENSMUSG0	26.0566	0.646259	0.326771	1.977714	0.047961	0.36137	ENSMUSG0 9430021M
ENSMUSG0	66.07546	-1.56759	0.793081	-1.97658	0.048089	0.362116	ENSMUSG0 Fbp2
ENSMUSG0	12.75098	-1.06095	0.536819	-1.97637	0.048113	0.362116	ENSMUSG0 Gm14963
ENSMUSG0	305.0043	0.497777	0.25187	1.976323	0.048118	0.362116	ENSMUSG0 Arhgef37
ENSMUSG0	9.699572	-1.15713	0.585542	-1.97617	0.048135	0.362116	ENSMUSG0 Gm43544
ENSMUSG0	121.9932	-0.36354	0.183999	-1.97578	0.04818	0.362121	ENSMUSG0 Zfp119a
ENSMUSG0	28.36948	1.099248	0.556373	1.975738	0.048184	0.362121	ENSMUSG0 Rasl11a
ENSMUSG0	1998.612	-0.5684	0.287715	-1.97556	0.048205	0.362121	ENSMUSG0 Fkbp5
ENSMUSG0	6845.532	-0.49511	0.250626	-1.9755	0.048211	0.362121	ENSMUSG0 Golgb1
ENSMUSG0	6.893106	1.577778	0.79881	1.975159	0.04825	0.362212	ENSMUSG0 Ppp1r36
ENSMUSG0	871.2129	-0.23688	0.119934	-1.97506	0.048261	0.362212	ENSMUSG0 Xpnpep1
ENSMUSG0	6.544324	-1.33555	0.67637	-1.97458	0.048316	0.362325	ENSMUSG0 Kirrel3os
ENSMUSG0	688.9865	-0.47162	0.23886	-1.97445	0.048331	0.362325	ENSMUSG0 Gucd1
ENSMUSG0	411.3327	2.397395	1.21422	1.974433	0.048333	0.362325	ENSMUSG0 Ccl5
ENSMUSG0	1283.985	0.28741	0.145583	1.974197	0.048359	0.362384	ENSMUSG0 Sft2d2
ENSMUSG0	69.89511	0.564976	0.286212	1.973977	0.048384	0.362431	ENSMUSG0 Ppp1r3b
ENSMUSG0	40.15953	1.242223	0.629853	1.972243	0.048582	0.363665	ENSMUSG0 Sprn
ENSMUSG0	9.850518	1.386393	0.702969	1.972198	0.048587	0.363665	ENSMUSG0 Frem1
ENSMUSG0	314.6136	-0.29644	0.150351	-1.97163	0.048652	0.364013	ENSMUSG0 Alkbh3
ENSMUSG0	706.5734	-0.32103	0.16288	-1.97095	0.048729	0.364446	ENSMUSG0 Mapk1ip1
ENSMUSG0	17.54935	0.839408	0.425942	1.970713	0.048757	0.364502	ENSMUSG0 Gm49327
ENSMUSG0	7.761519	1.855724	0.941726	1.970557	0.048775	0.364502	ENSMUSG0 Slc26a7
ENSMUSG0	356.9373	0.397141	0.201592	1.970021	0.048836	0.364698	ENSMUSG0 Acat2
ENSMUSG0	1351.152	-0.2272	0.115329	-1.97	0.048839	0.364698	ENSMUSG0 Dusp3
ENSMUSG0	361.152	0.37763	0.191729	1.969601	0.048884	0.364895	ENSMUSG0 Slc1a4
ENSMUSG0	881.8488	-0.30586	0.155305	-1.96943	0.048903	0.364897	ENSMUSG0 St6galnac6
ENSMUSG0	25.38299	1.040207	0.52851	1.968187	0.049047	0.365823	ENSMUSG0 Ptpn5
ENSMUSG0	172.5342	0.446186	0.226727	1.967948	0.049074	0.365887	ENSMUSG0 Speg
ENSMUSG0	1028.645	-0.43263	0.219972	-1.96674	0.049213	0.366522	ENSMUSG0 Tmem258
ENSMUSG0	897.086	-0.30082	0.15297	-1.96655	0.049235	0.366522	ENSMUSG0 Zbtb14
ENSMUSG0	1447.964	-0.33446	0.170086	-1.96641	0.049252	0.366522	ENSMUSG0 Vezf1
ENSMUSG0	599.9832	0.555044	0.282265	1.966389	0.049254	0.366522	ENSMUSG0 Ttyh3
ENSMUSG0	3918.191	0.601851	0.30607	1.966382	0.049254	0.366522	ENSMUSG0 Prom1

ENSMUSG0	61.72739	0.599066	0.304689	1.966153	0.049281	0.366577	ENSMUSG0 Pcdh8
ENSMUSG0	82142	-1.55259	0.78999	-1.96532	0.049377	0.367148	ENSMUSG0 Try5
ENSMUSG0	482.1069	-0.50015	0.254542	-1.96491	0.049425	0.367352	ENSMUSG0 Pi4k2b
ENSMUSG0	2019.435	-0.34197	0.174089	-1.96436	0.049489	0.367427	ENSMUSG0 Prkce
ENSMUSG0	33.71518	-1.11041	0.565283	-1.96434	0.049491	0.367427	ENSMUSG0A930019D1
ENSMUSG0	286.9555	0.390394	0.198759	1.964161	0.049511	0.367439	ENSMUSG0 Hexdc
ENSMUSG0	491.864	-0.72912	0.371273	-1.96384	0.049548	0.367524	ENSMUSG0 Ikzf4
ENSMUSG0	1688.731	-0.45805	0.233254	-1.96373	0.049561	0.367524	ENSMUSG0 Atp6v0e
ENSMUSG0	532.309	-0.5469	0.278524	-1.96356	0.049581	0.367533	ENSMUSG0 Rassf10
ENSMUSG0	449.0038	-0.88157	0.449019	-1.96332	0.049609	0.367596	ENSMUSG0 Arc
ENSMUSG0	4.593143	1.539715	0.78449	1.962696	0.049682	0.367991	ENSMUSG0A930035DC
ENSMUSG0	5.012563	2.456311	1.251766	1.962276	0.04973	0.368052	ENSMUSG0 Trbv13-1
ENSMUSG0	5.327377	-1.37628	0.701409	-1.96216	0.049744	0.368052	ENSMUSG05730408A1
ENSMUSG0	375.138	-0.28891	0.147241	-1.96213	0.049747	0.368052	ENSMUSG0 Tmem143
ENSMUSG0	870.4205	-0.31224	0.159198	-1.96131	0.049842	0.368616	ENSMUSG0 Gid4
ENSMUSG0	425.4676	-0.38754	0.197654	-1.9607	0.049914	0.368835	ENSMUSG0 Zfp719
ENSMUSG0	1136.327	0.731648	0.37318	1.960578	0.049928	0.368835	ENSMUSG0 Stmn3
ENSMUSG0	34.00511	0.642682	0.327804	1.960566	0.04993	0.368835	ENSMUSG0A930004D1
ENSMUSG0	310.5847	0.294091	0.150045	1.960019	0.049994	0.368978	ENSMUSG0D030056L2
ENSMUSG0	222.292	1.013695	0.517211	1.959926	0.050004	0.368978	ENSMUSG0 Fyb
ENSMUSG0	96.58295	0.981512	0.500795	1.959908	0.050007	0.368978	ENSMUSG0 Gm12840
ENSMUSG0	7.911258	1.18648	0.60564	1.959052	0.050107	0.369576	ENSMUSG0 Gm18190
ENSMUSG0	222.2539	0.675583	0.345024	1.958077	0.050221	0.370276	ENSMUSG0 Plekhg2
ENSMUSG0	11.68739	1.087909	0.555733	1.957612	0.050276	0.370512	ENSMUSG0Tmem200a
ENSMUSG0	342.0862	0.457719	0.233831	1.957476	0.050291	0.370512	ENSMUSG0 Chst15
ENSMUSG0	41.18516	0.877315	0.44826	1.957159	0.050329	0.370645	ENSMUSG0 Ccdc125
ENSMUSG0	4379.921	0.45976	0.234933	1.956979	0.05035	0.370652	ENSMUSG0 Tubb5
ENSMUSG0	3.812261	1.669991	0.853419	1.956823	0.050368	0.370652	ENSMUSG0 Gm9925
ENSMUSG0	16.89094	-0.91897	0.469812	-1.95603	0.050462	0.371197	ENSMUSG0 Flvcr2
ENSMUSG0	108.3482	0.544665	0.278522	1.955551	0.050518	0.371421	ENSMUSG0 Hebp1
ENSMUSG0	87.47187	1.377093	0.704236	1.955443	0.050531	0.371421	ENSMUSG0 Sh2d2a
ENSMUSG0	15.41104	0.863142	0.44157	1.954713	0.050617	0.371674	ENSMUSG0 Has3
ENSMUSG0	124.2284	-0.38802	0.198511	-1.95463	0.050627	0.371674	ENSMUSG0 Wnt5b
ENSMUSG0	658.4551	1.05625	0.540388	1.954613	0.050629	0.371674	ENSMUSG0 Stmn2
ENSMUSG0	297.4192	0.417151	0.213437	1.954446	0.050648	0.371674	ENSMUSG0 Cttnbp2nl
ENSMUSG0	1180.066	-2.99047	1.530265	-1.95422	0.050675	0.371674	ENSMUSG0 Apoa1
ENSMUSG0	25.23683	-0.72682	0.371943	-1.95411	0.050688	0.371674	ENSMUSG0 Gm26910
ENSMUSG0	64.33985	-0.60671	0.310495	-1.95401	0.0507	0.371674	ENSMUSG0 Gpr62
ENSMUSG0	1246.254	-0.30931	0.158409	-1.95259	0.050869	0.372429	ENSMUSG0 Fgfr1op2
ENSMUSG0	215.6465	-0.43498	0.222776	-1.95257	0.050871	0.372429	ENSMUSG0 Usp49
ENSMUSG0	4.381734	2.119834	1.085693	1.952516	0.050877	0.372429	ENSMUSG0 Myo15
ENSMUSG0	720.236	0.334711	0.171428	1.952483	0.050881	0.372429	ENSMUSG0 Cast
ENSMUSG0	616.6012	0.333505	0.170839	1.952164	0.050919	0.372565	ENSMUSG0 Arhgef25
ENSMUSG0	2508.061	-0.20992	0.107555	-1.95171	0.050973	0.372684	ENSMUSG0 Slc25a51
ENSMUSG0	417.184	-0.38171	0.195578	-1.9517	0.050974	0.372684	ENSMUSG0 Elp4
ENSMUSG0	24.40599	-0.6416	0.328839	-1.95111	0.051044	0.373053	ENSMUSG0 H3c6
ENSMUSG0	7.017592	-1.27835	0.655325	-1.95072	0.051091	0.373175	ENSMUSG0 Gm37706
ENSMUSG0	29.10057	-0.95487	0.489516	-1.95065	0.051099	0.373175	ENSMUSG0 Tdo2
ENSMUSG0	23.29335	-0.80397	0.412195	-1.95046	0.051122	0.373197	ENSMUSG0 Gm9484
ENSMUSG0	688.8139	-0.31449	0.161277	-1.94998	0.051178	0.373471	ENSMUSG0 Naa40
ENSMUSG0	124.845	0.855656	0.438887	1.949605	0.051223	0.373656	ENSMUSG0 Steap4
ENSMUSG0	4.350891	2.252426	1.155497	1.949314	0.051258	0.373767	ENSMUSG0 Ighv1-74

ENSMUSG0	369.8943	-0.37355	0.191751	-1.9481	0.051404	0.374687	ENSMUSG0 Tmem62
ENSMUSG0	6.488754	1.443041	0.740807	1.947931	0.051423	0.374688	ENSMUSG0 Gm20754
ENSMUSG0	322.3554	1.488771	0.764363	1.947729	0.051447	0.374697	ENSMUSG0 Epsti1
ENSMUSG0	11.7536	-1.06432	0.546477	-1.9476	0.051463	0.374697	ENSMUSG0 Bloc1s6os
ENSMUSG0	211.212	0.540984	0.277898	1.946704	0.05157	0.375301	ENSMUSG0 Elovl7
ENSMUSG0	8.357803	1.362222	0.699821	1.946528	0.051591	0.375301	ENSMUSG0 Nup210l
ENSMUSG0	3.631411	1.879415	0.965577	1.946416	0.051605	0.375301	ENSMUSG0 Gm35551
ENSMUSG0	351.9479	-0.61466	0.315839	-1.94611	0.051641	0.375302	ENSMUSG0 Pax6os1
ENSMUSG0	753.5662	-0.31165	0.16015	-1.94597	0.051659	0.375302	ENSMUSG0 Pip4p2
ENSMUSG0	55.42016	1.022915	0.525738	1.945675	0.051694	0.375302	ENSMUSG0 Thbs2
ENSMUSG0	1517.362	0.384295	0.197513	1.945671	0.051694	0.375302	ENSMUSG0 Amotl1
ENSMUSG0	5.157265	2.206912	1.134308	1.945602	0.051703	0.375302	ENSMUSG0 Slc22a3
ENSMUSG0	159.6199	-0.38436	0.197574	-1.94539	0.051728	0.375347	ENSMUSG0 Ttc41
ENSMUSG0	18069.35	-0.96086	0.494085	-1.94474	0.051807	0.375651	ENSMUSG0 Gm29216
ENSMUSG0	1689.45	-0.31849	0.163778	-1.94467	0.051814	0.375651	ENSMUSG0 Tcn2
ENSMUSG0	8.513054	1.650768	0.848919	1.944553	0.051829	0.375651	ENSMUSG0 Obp2b
ENSMUSG0	118.5064	0.378696	0.194775	1.944273	0.051863	0.375673	ENSMUSG0 Kazald1
ENSMUSG0	3542.005	0.443724	0.228242	1.944095	0.051884	0.375673	ENSMUSG0 Tmod2
ENSMUSG0	277.17	-1.6862	0.86737	-1.94404	0.05189	0.375673	ENSMUSG0 Kik1b5
ENSMUSG0	417.0202	-0.32444	0.166914	-1.94374	0.051927	0.375795	ENSMUSG0 Arl6ip6
ENSMUSG0	318.4728	0.571245	0.293931	1.943468	0.05196	0.375891	ENSMUSG0 Oasl2
ENSMUSG0	436.8924	0.31105	0.160075	1.943155	0.051997	0.375907	ENSMUSG0 Zc2hc1a
ENSMUSG0	2044.27	-0.3349	0.17235	-1.94313	0.052001	0.375907	ENSMUSG0 Uck2
ENSMUSG0	1118.827	-0.46318	0.238415	-1.94275	0.052046	0.376091	ENSMUSG0 Pts
ENSMUSG0	222.3261	-0.49321	0.253909	-1.94246	0.052081	0.376206	ENSMUSG0 Noxo1
ENSMUSG0	1260.683	-0.51964	0.267643	-1.94153	0.052194	0.376866	ENSMUSG0 Tfrc
ENSMUSG0	337.0652	-0.42454	0.218678	-1.94138	0.052212	0.376866	ENSMUSG0 Alg12
ENSMUSG0	7.850586	1.266112	0.652303	1.940986	0.05226	0.377072	ENSMUSG0 Gm26704
ENSMUSG0	3.458397	2.400107	1.237415	1.939614	0.052427	0.377853	ENSMUSG0 Scgb3a1
ENSMUSG0	4.880216	2.428565	1.252087	1.939613	0.052427	0.377853	ENSMUSG0 Col22a1
ENSMUSG0	16628.16	-1.6738	0.86296	-1.9396	0.052428	0.377853	ENSMUSG0 Kik1
ENSMUSG0	162.8952	0.347537	0.179197	1.939421	0.05245	0.377853	ENSMUSG0 Asap3
ENSMUSG0	31.08279	-5.6447	2.910712	-1.93929	0.052467	0.377853	ENSMUSG0 Gm50318
ENSMUSG0	46.04865	-0.52453	0.270523	-1.93895	0.052507	0.378002	ENSMUSG0 Gm47071
ENSMUSG0	9.259912	1.562843	0.806268	1.938365	0.052579	0.378378	ENSMUSG0 Apcs
ENSMUSG0	3.971664	-2.17105	1.120345	-1.93784	0.052643	0.378699	ENSMUSG0 Gm45842
ENSMUSG0	90.78342	-0.73831	0.381073	-1.93744	0.052691	0.378903	ENSMUSG0 Gm43813
ENSMUSG0	61.68009	0.799924	0.413008	1.936822	0.052767	0.379247	ENSMUSG0 Rab7b
ENSMUSG0	2867.521	0.540301	0.278976	1.93673	0.052778	0.379247	ENSMUSG0 Col4a2
ENSMUSG0	15.12876	-0.88506	0.457072	-1.93637	0.052823	0.379424	ENSMUSG0 Gm13093
ENSMUSG0	64.90364	-0.46205	0.238656	-1.93606	0.05286	0.37955	ENSMUSG0 Gm3512
ENSMUSG0	82.9058	0.666014	0.344056	1.935775	0.052895	0.379563	ENSMUSG0 Tppp
ENSMUSG0	55.45057	-0.5939	0.306808	-1.93573	0.052901	0.379563	ENSMUSG0 Wfikkn2
ENSMUSG0	467.2405	0.449413	0.232279	1.934799	0.053015	0.380204	ENSMUSG0 Zfp703
ENSMUSG0	255.8723	0.408327	0.211061	1.934645	0.053034	0.380204	ENSMUSG0 Efnb2
ENSMUSG0	1794.664	0.904797	0.467762	1.934311	0.053075	0.380204	ENSMUSG0 Col1a2
ENSMUSG0	316.6374	0.422466	0.218435	1.934058	0.053106	0.380204	ENSMUSG0 Entpd2
ENSMUSG0	4754.754	-0.25203	0.130317	-1.93401	0.053112	0.380204	ENSMUSG0 Smarca4
ENSMUSG0	153.8432	-0.38988	0.201601	-1.93394	0.053121	0.380204	ENSMUSG0 Gdpdp1
ENSMUSG0	428.3427	0.362573	0.187486	1.933871	0.053129	0.380204	ENSMUSG0 Srgap2
ENSMUSG0	208.1284	0.543607	0.281153	1.933494	0.053175	0.380278	ENSMUSG0 Haus8
ENSMUSG0	201.8115	-0.53428	0.276334	-1.93347	0.053179	0.380278	ENSMUSG0 Plut

ENSMUSG0	18.41886	-0.76884	0.397709	-1.93318	0.053214	0.380387	ENSMUSG0 Gm45774
ENSMUSG0	42.73533	1.040546	0.538389	1.932703	0.053273	0.380667	ENSMUSG0 Clgn
ENSMUSG0	556.2946	-0.33767	0.174751	-1.93229	0.053323	0.380769	ENSMUSG0 Med9
ENSMUSG0	1054.963	-0.47075	0.243626	-1.93227	0.053327	0.380769	ENSMUSG0 Glrx
ENSMUSG0	155.6733	0.61954	0.320701	1.931831	0.05338	0.380877	ENSMUSG0 Serp2
ENSMUSG0	98.84258	1.094628	0.566655	1.931735	0.053392	0.380877	ENSMUSG0 Ipcef1
ENSMUSG0	11.29058	-1.19449	0.618387	-1.93163	0.053406	0.380877	ENSMUSG0 Gm44916
ENSMUSG0	1126.277	3.272542	1.69436	1.931433	0.05343	0.380877	ENSMUSG0 Glycam1
ENSMUSG0	600.3616	-0.32588	0.168732	-1.93134	0.053441	0.380877	ENSMUSG0 Six5
ENSMUSG0	8.700051	-1.10494	0.572177	-1.93112	0.053469	0.380934	ENSMUSG0 Gm44237
ENSMUSG0	27.99799	-0.77463	0.401181	-1.93088	0.053498	0.380976	ENSMUSG0 BC030343
ENSMUSG0	99.14587	-0.43953	0.227649	-1.93075	0.053514	0.380976	ENSMUSG0 Gm9905
ENSMUSG0	249.843	0.425644	0.220685	1.928742	0.053763	0.382605	ENSMUSG0 Bmf
ENSMUSG0	401.5931	0.650752	0.337506	1.928122	0.05384	0.383012	ENSMUSG0 Atp1a2
ENSMUSG0	1052.715	-0.33929	0.176011	-1.92766	0.053898	0.383175	ENSMUSG0 Ppm1h
ENSMUSG0	6.251313	1.986857	1.030732	1.927618	0.053903	0.383175	ENSMUSG0 Kcna3
ENSMUSG0	611.0929	0.37857	0.19643	1.927257	0.053948	0.383331	ENSMUSG0 Camk2d
ENSMUSG0	133.0875	-0.48581	0.25209	-1.92712	0.053964	0.383331	ENSMUSG0 Xylb
ENSMUSG0	198.3827	1.076461	0.558634	1.926954	0.053985	0.383338	ENSMUSG0 Slc10a4
ENSMUSG0	76.87322	1.152183	0.598079	1.926473	0.054045	0.383483	ENSMUSG0 Rrad
ENSMUSG0	4.042431	1.839036	0.954614	1.926471	0.054046	0.383483	ENSMUSG0 4932438H2
ENSMUSG0	248.9363	0.965143	0.501033	1.926305	0.054066	0.383486	ENSMUSG0 Gfra2
ENSMUSG0	52.42447	0.825516	0.4286	1.926074	0.054095	0.383486	ENSMUSG0 Aurkb
ENSMUSG0	93.57961	0.564766	0.293235	1.925988	0.054106	0.383486	ENSMUSG0 Rad18
ENSMUSG0	398.1188	-0.35095	0.182307	-1.92507	0.054221	0.383761	ENSMUSG0 Inpp5j
ENSMUSG0	631.9929	0.828698	0.430525	1.924853	0.054248	0.383761	ENSMUSG0 Fmnl1
ENSMUSG0	15.06812	1.169456	0.607557	1.924851	0.054248	0.383761	ENSMUSG0 Prima1
ENSMUSG0	16.03177	1.069329	0.555541	1.924842	0.054249	0.383761	ENSMUSG0 Acnat1
ENSMUSG0	7271.451	0.229227	0.119096	1.924715	0.054265	0.383761	ENSMUSG0 Gdi1
ENSMUSG0	356.8466	-0.35382	0.183832	-1.92471	0.054266	0.383761	ENSMUSG0 Ypel4
ENSMUSG0	330.2419	0.549483	0.285559	1.924235	0.054325	0.383761	ENSMUSG0 AW551984
ENSMUSG0	1739.455	-0.45239	0.235101	-1.92423	0.054326	0.383761	ENSMUSG0 Dusp5
ENSMUSG0	899.896	-0.31513	0.163803	-1.92383	0.054375	0.383761	ENSMUSG0 Oser1
ENSMUSG0	1752.372	-0.41323	0.214804	-1.92377	0.054383	0.383761	ENSMUSG0 Zfp622
ENSMUSG0	9.301474	-5.81114	3.020733	-1.92375	0.054386	0.383761	ENSMUSG0 Zfp969
ENSMUSG0	3.658705	1.668286	0.86731	1.923516	0.054415	0.383761	ENSMUSG0 Kcnh5
ENSMUSG0	31099.78	-1.43049	0.743692	-1.9235	0.054418	0.383761	ENSMUSG0 Sycn
ENSMUSG0	759.2749	0.460896	0.23962	1.923447	0.054424	0.383761	ENSMUSG0 Tmod3
ENSMUSG0	811.4478	-0.4694	0.244255	-1.92178	0.054633	0.384944	ENSMUSG0 Dr1
ENSMUSG0	331.4366	0.441169	0.229572	1.921701	0.054643	0.384944	ENSMUSG0 Phactr2
ENSMUSG0	100.0114	0.79804	0.415292	1.921635	0.054652	0.384944	ENSMUSG0 Bub1b
ENSMUSG0	374.2165	0.427324	0.222408	1.921354	0.054687	0.385001	ENSMUSG0 Tax1bp3
ENSMUSG0	66.36948	0.721964	0.375778	1.921252	0.0547	0.385001	ENSMUSG0 Chrm4
ENSMUSG0	296.8095	-0.33494	0.174404	-1.92046	0.054799	0.385378	ENSMUSG0 Oma1
ENSMUSG0	22.84947	-1.45625	0.758325	-1.92035	0.054814	0.385378	ENSMUSG0 Pm20d1
ENSMUSG0	25.372	1.072813	0.558847	1.919689	0.054897	0.385817	ENSMUSG0 Smpd5
ENSMUSG0	2652.052	0.427083	0.222502	1.919455	0.054927	0.385817	ENSMUSG0 Hspg2
ENSMUSG0	382.1246	-0.28669	0.149371	-1.91933	0.054942	0.385817	ENSMUSG0 3110082117
ENSMUSG0	2266.968	-0.32833	0.171076	-1.91922	0.054956	0.385817	ENSMUSG0 Stim1
ENSMUSG0	14.04662	1.675531	0.873275	1.918675	0.055026	0.386162	ENSMUSG0 Tnnt2
ENSMUSG0	67.94603	0.598017	0.311753	1.91824	0.055081	0.386408	ENSMUSG0 Mfap3l
ENSMUSG0	2523.248	-0.45273	0.236046	-1.918	0.055111	0.386483	ENSMUSG0 H2ac18

ENSMUSG0	2602.368	-0.26769	0.139582	-1.91779	0.055137	0.386524	ENSMUSG0 Isoc1
ENSMUSG0	193.9128	-0.5704	0.297549	-1.91699	0.05524	0.387101	ENSMUSG0 Acvr2b
ENSMUSG0	10.49086	-2.29461	1.197449	-1.91625	0.055333	0.387524	ENSMUSG0 Fam3b
ENSMUSG0	514.7354	-0.33014	0.172302	-1.91605	0.055359	0.387524	ENSMUSG0 Hps4
ENSMUSG0	770.887	0.534943	0.279224	1.915818	0.055388	0.387524	ENSMUSG0 Mcam
ENSMUSG0	198.1341	-0.77613	0.405116	-1.91581	0.055389	0.387524	ENSMUSG0 Gm28040
ENSMUSG0	1025.112	-0.31228	0.16301	-1.91572	0.055401	0.387524	ENSMUSG0 Ube3b
ENSMUSG0	744.6554	0.273638	0.142853	1.91552	0.055426	0.38756	ENSMUSG0 Jam3
ENSMUSG0	51.8269	-0.82572	0.431184	-1.915	0.055493	0.387886	ENSMUSG0 Fut1
ENSMUSG0	298.8127	-0.29706	0.155151	-1.91467	0.055535	0.38792	ENSMUSG0 Caap1
ENSMUSG0	11.7518	1.024736	0.53521	1.914642	0.055538	0.38792	ENSMUSG0 Plid5
ENSMUSG0	1344.774	-0.46472	0.242767	-1.91428	0.055584	0.388101	ENSMUSG0 Cacna1a
ENSMUSG0	217.2291	0.355863	0.185933	1.913937	0.055628	0.38826	ENSMUSG0 Otud7a
ENSMUSG0	2843.734	-0.36112	0.188692	-1.91379	0.055647	0.38826	ENSMUSG0 Cep170b
ENSMUSG0	3156.92	0.230601	0.120558	1.912788	0.055775	0.389011	ENSMUSG0 Ywhag
ENSMUSG0	10543.71	-0.91129	0.476489	-1.91251	0.055811	0.38912	ENSMUSG0 mt-Atp6
ENSMUSG0	420.1267	-0.50569	0.264449	-1.91226	0.055843	0.3892	ENSMUSG0 Pex11a
ENSMUSG0	1085.344	-0.31198	0.16317	-1.91197	0.05588	0.389315	ENSMUSG0 Bcor
ENSMUSG0	3171.254	-0.30026	0.157067	-1.91167	0.055918	0.389444	ENSMUSG0 Asah1
ENSMUSG0	101.7827	0.760969	0.39825	1.91078	0.056033	0.3901	ENSMUSG0 Myo1f
ENSMUSG0	524.8996	0.509049	0.266498	1.91014	0.056115	0.390501	ENSMUSG0 Tubb4a
ENSMUSG0	167.5168	-0.42174	0.220802	-1.91002	0.056131	0.390501	ENSMUSG0 Eya1
ENSMUSG0	66.47351	0.728116	0.381273	1.909698	0.056172	0.390646	ENSMUSG0 Epop
ENSMUSG0	93.29122	0.95737	0.50138	1.909469	0.056202	0.39071	ENSMUSG0 Fxyd7
ENSMUSG0	14.55421	0.93492	0.489702	1.90916	0.056241	0.390845	ENSMUSG0 Kikb1
ENSMUSG0	143.9763	0.764284	0.400423	1.908689	0.056302	0.391088	ENSMUSG0 Zc3h12a
ENSMUSG0	115.23	-0.43261	0.226667	-1.90857	0.056317	0.391088	ENSMUSG0A530020G2
ENSMUSG0	2533.53	-0.30795	0.161364	-1.90842	0.056337	0.391088	ENSMUSG0 Tmem63a
ENSMUSG0	49.12404	-0.6554	0.343536	-1.9078	0.056417	0.391498	ENSMUSG0 Gm43909
ENSMUSG0	291190.6	-1.526	0.800113	-1.90723	0.056491	0.391873	ENSMUSG0 Cela1
ENSMUSG0	128.6157	-0.64944	0.340655	-1.90645	0.056592	0.392428	ENSMUSG0 Hdhd3
ENSMUSG0	5.792748	1.579059	0.828564	1.905778	0.056679	0.392893	ENSMUSG0 Rad51b
ENSMUSG0	4593.468	-0.28291	0.148508	-1.905	0.056781	0.393455	ENSMUSG0 Spint1
ENSMUSG0	5.488705	1.955187	1.026437	1.904829	0.056802	0.393464	ENSMUSG0 Myh7
ENSMUSG0	25.22392	-1.0462	0.549482	-1.90397	0.056914	0.393852	ENSMUSG0 Lcat
ENSMUSG0	303.5297	0.462067	0.24269	1.90394	0.056918	0.393852	ENSMUSG0 Aard
ENSMUSG0	1690.779	-0.34218	0.179729	-1.90384	0.056931	0.393852	ENSMUSG0 Txndc11
ENSMUSG0	66.13525	-0.57101	0.299938	-1.90377	0.05694	0.393852	ENSMUSG0A330094K2
ENSMUSG0	39.33924	0.718031	0.377239	1.903383	0.056991	0.394057	ENSMUSG0 Diaph3
ENSMUSG0	29.04304	0.757367	0.397951	1.903169	0.057018	0.394057	ENSMUSG0C2210406O1
ENSMUSG0	166.7587	0.767338	0.403213	1.903057	0.057033	0.394057	ENSMUSG0 Gbp9
ENSMUSG0	45.11167	-0.70086	0.368316	-1.90287	0.057058	0.394057	ENSMUSG0 Pde8b
ENSMUSG0	387.5019	-0.42142	0.221481	-1.90276	0.057072	0.394057	ENSMUSG0 Bud13
ENSMUSG0	12.30024	0.959293	0.504296	1.902241	0.05714	0.394381	ENSMUSG04931415C1
ENSMUSG0	259.7368	0.433444	0.227936	1.9016	0.057223	0.394458	ENSMUSG0 Zfp37
ENSMUSG0	4.803126	1.98824	1.045568	1.901589	0.057225	0.394458	ENSMUSG0C730027H1
ENSMUSG0	120.2786	0.363773	0.19134	1.901184	0.057278	0.394458	ENSMUSG0 Ccne1
ENSMUSG0	837.3078	-0.23116	0.121588	-1.90116	0.057281	0.394458	ENSMUSG0 Rnf185
ENSMUSG0	6.064227	1.906662	1.002894	1.90116	0.057281	0.394458	ENSMUSG0 Angpt4
ENSMUSG0	654.0202	0.368543	0.19389	1.900785	0.05733	0.394458	ENSMUSG0 Rnf19a
ENSMUSG0	30.91146	-0.69439	0.365347	-1.90063	0.05735	0.394458	ENSMUSG0 Gm16283
ENSMUSG0	283.9282	0.365269	0.192186	1.900608	0.057353	0.394458	ENSMUSG0 Efn5

ENSMUSG0	3173.22	0.578399	0.304352	1.900427	0.057377	0.394458	ENSMUSG0 Mfge8
ENSMUSG0	1371.607	-0.31155	0.16394	-1.90037	0.057384	0.394458	ENSMUSG0 Mat2b
ENSMUSG0	14.09339	0.797529	0.419701	1.90023	0.057403	0.394458	ENSMUSG0 Foxc2
ENSMUSG0	1316.665	0.31441	0.16546	1.90021	0.057406	0.394458	ENSMUSG0 Zfp395
ENSMUSG0	19.20503	1.389635	0.731341	1.900119	0.057417	0.394458	ENSMUSG0 Gpr22
ENSMUSG0	421.9262	-1.08806	0.572728	-1.89979	0.057461	0.394579	ENSMUSG0 Gamt
ENSMUSG0	7.791437	1.424288	0.749755	1.899672	0.057476	0.394579	ENSMUSG0A930001C0
ENSMUSG0	1215.263	0.508676	0.26784	1.899177	0.057541	0.394885	ENSMUSG0 Kcnn3
ENSMUSG0	448.2818	0.723845	0.381361	1.898059	0.057688	0.395612	ENSMUSG0 Adamts1
ENSMUSG0	6.316701	1.476329	0.778477	1.896433	0.057903	0.396885	ENSMUSG0 Gm44985
ENSMUSG0	98.28756	0.574886	0.303156	1.896339	0.057915	0.396885	ENSMUSG0 Tram1l1
ENSMUSG0	4097.551	0.259375	0.136804	1.895959	0.057965	0.397088	ENSMUSG0 Ap2b1
ENSMUSG0	179.9959	0.409864	0.216202	1.895746	0.057994	0.397128	ENSMUSG0 Igsf21
ENSMUSG0	2547.114	-0.37252	0.196517	-1.8956	0.058013	0.397128	ENSMUSG0 Pde3b
ENSMUSG0	6.27998	-1.41453	0.746391	-1.89516	0.058072	0.397333	ENSMUSG0 Gm43873
ENSMUSG0	40.78843	0.722291	0.381166	1.894952	0.058099	0.397333	ENSMUSG0 Gas2l3
ENSMUSG0	1407.616	0.435909	0.230042	1.894909	0.058104	0.397333	ENSMUSG0 Cldn3
ENSMUSG0	384.8616	0.419594	0.221479	1.894507	0.058158	0.397515	ENSMUSG0 Oc1n
ENSMUSG0	201.2105	0.591551	0.312264	1.894396	0.058172	0.397515	ENSMUSG0 Itga9
ENSMUSG0	7.27415	-1.23852	0.653886	-1.89409	0.058213	0.397541	ENSMUSG0 Gm26513
ENSMUSG0	44.98076	0.916223	0.48376	1.893961	0.05823	0.397541	ENSMUSG0 Smoc2
ENSMUSG0	1418.304	-0.28725	0.151681	-1.89377	0.058256	0.397541	ENSMUSG0 Fbxl17
ENSMUSG0	13.32383	-1.02548	0.541508	-1.89374	0.058259	0.397541	ENSMUSG02010109A1
ENSMUSG0	61.69494	0.743899	0.392876	1.893473	0.058295	0.397646	ENSMUSG0 Ccnf
ENSMUSG0	712.8722	0.317218	0.167576	1.892973	0.058362	0.397959	ENSMUSG0 Gata6
ENSMUSG0	21.10721	0.715142	0.377893	1.892447	0.058432	0.398295	ENSMUSG0 Spag8
ENSMUSG0	8.195164	1.355695	0.716619	1.891793	0.058519	0.398747	ENSMUSG0A33010211C
ENSMUSG0	2584.602	-0.29506	0.155993	-1.8915	0.058557	0.398871	ENSMUSG0 Yipf2
ENSMUSG0	4481.834	-0.36124	0.191046	-1.89086	0.058644	0.399317	ENSMUSG0 Slc25a5
ENSMUSG0	1343.794	0.300718	0.159069	1.890493	0.058692	0.399505	ENSMUSG0 Ncdn
ENSMUSG0	18.95495	-0.82345	0.435709	-1.8899	0.058771	0.399849	ENSMUSG0 Gm16062
ENSMUSG0	1195.438	-1.43967	0.761808	-1.8898	0.058784	0.399849	ENSMUSG0 Ctrc
ENSMUSG0	30.64206	-0.71811	0.380034	-1.8896	0.058812	0.399893	ENSMUSG0 Gm47230
ENSMUSG0	533.6746	-0.32307	0.171002	-1.88931	0.058851	0.400019	ENSMUSG0 Ube2a
ENSMUSG0	2696.922	-0.22693	0.120127	-1.88907	0.058882	0.400093	ENSMUSG0 Kcnnh2
ENSMUSG0	1790.376	-0.48802	0.258458	-1.88819	0.059	0.400752	ENSMUSG0 Tbc1d16
ENSMUSG0	765.3908	-0.33539	0.177669	-1.88775	0.05906	0.400923	ENSMUSG0 Dram2
ENSMUSG0	70.34622	0.642455	0.340339	1.887693	0.059067	0.400923	ENSMUSG0A230065N1
ENSMUSG0	26.35226	1.186031	0.628407	1.887359	0.059112	0.400944	ENSMUSG0 Lox
ENSMUSG0	24.99073	0.943701	0.500086	1.887076	0.05915	0.400951	ENSMUSG04931431B1
ENSMUSG0	310.6908	0.780094	0.413395	1.887042	0.059155	0.400951	ENSMUSG0 Anxa1
ENSMUSG0	30206.59	-0.35253	0.186836	-1.88684	0.059181	0.40099	ENSMUSG0 P4hb
ENSMUSG0	1857.451	-0.31885	0.169059	-1.88602	0.059292	0.401313	ENSMUSG0 Trp53i13
ENSMUSG0	4.235345	-1.95562	1.036943	-1.88594	0.059303	0.401313	ENSMUSG0 Gm13408
ENSMUSG0	295.7497	0.527246	0.279577	1.885871	0.059312	0.401313	ENSMUSG0 Sptb
ENSMUSG0	65.30868	-0.57744	0.306224	-1.88567	0.05934	0.401332	ENSMUSG0 Doc2g
ENSMUSG0	97.55286	-0.70285	0.372757	-1.88554	0.059357	0.401332	ENSMUSG02510046G1
ENSMUSG0	40.55151	-0.99221	0.526264	-1.88538	0.059379	0.40134	ENSMUSG0 Rdh16f2
ENSMUSG0	24.56232	0.606955	0.321962	1.885178	0.059406	0.401381	ENSMUSG0 Gm49747
ENSMUSG0	267.6481	0.351142	0.186359	1.884223	0.059535	0.402111	ENSMUSG0 Pros1
ENSMUSG0	132.3216	-0.53836	0.285751	-1.88401	0.059564	0.402168	ENSMUSG0D830050J1C
ENSMUSG0	252.933	0.717397	0.38084	1.883721	0.059603	0.402287	ENSMUSG0 Smtn

ENSMUSG0	35.0365	0.701419	0.372412	1.88345	0.059639	0.402365	ENSMUSG0 Zfp423
ENSMUSG0	6.699112	1.592416	0.845609	1.883159	0.059679	0.402365	ENSMUSG0 Gm42793
ENSMUSG0	9.210953	-1.65061	0.876547	-1.88308	0.05969	0.402365	ENSMUSG0 Gm9922
ENSMUSG0	116.7174	0.58917	0.31289	1.882995	0.059701	0.402365	ENSMUSG0 Plxdc2
ENSMUSG0	64.3644	-0.75862	0.402907	-1.88286	0.059719	0.402365	ENSMUSG0 Gm44109
ENSMUSG0	1289.653	-0.33676	0.178881	-1.88262	0.059752	0.402365	ENSMUSG0 Smap1
ENSMUSG0	53253.74	-0.5375	0.285517	-1.88255	0.059761	0.402365	ENSMUSG0 Gm28437
ENSMUSG0	139.2542	1.146782	0.609355	1.881962	0.059841	0.402731	ENSMUSG0 Phox2a
ENSMUSG0	49.32836	-2.07901	1.104972	-1.8815	0.059904	0.402731	ENSMUSG0 Agr2
ENSMUSG0	483.1176	0.456293	0.242526	1.881416	0.059915	0.402731	ENSMUSG0 Snhg18
ENSMUSG0	82.43961	0.51834	0.275508	1.881399	0.059918	0.402731	ENSMUSG0 Dnaaf4
ENSMUSG0	2238.863	-0.41916	0.222793	-1.88138	0.05992	0.402731	ENSMUSG0 Erp44
ENSMUSG0	964.2628	-0.38027	0.202175	-1.88091	0.059984	0.402885	ENSMUSG0 Coq8a
ENSMUSG0	1043.303	-0.24894	0.132368	-1.88067	0.060017	0.402962	ENSMUSG0 Ccdc117
ENSMUSG0	3.530582	-2.60027	1.382769	-1.88048	0.060042	0.402991	ENSMUSG0 1810035K1
ENSMUSG0	4007.859	-0.46794	0.248871	-1.88025	0.060074	0.403023	ENSMUSG0 Ap1s2
ENSMUSG0	725.0577	-0.54816	0.291552	-1.88014	0.060089	0.403023	ENSMUSG0 Gng5
ENSMUSG0	810.9088	-0.33378	0.177624	-1.87916	0.060223	0.403781	ENSMUSG0 Naip2
ENSMUSG0	1015.348	-0.38489	0.20491	-1.87832	0.060338	0.40435	ENSMUSG0 Zfyve21
ENSMUSG0	948.113	-0.62501	0.332763	-1.87823	0.06035	0.40435	ENSMUSG0 Tmem97
ENSMUSG0	198.7724	0.36741	0.195631	1.878075	0.060371	0.40435	ENSMUSG0 Rccd1
ENSMUSG0	30.18809	-0.69353	0.369341	-1.87775	0.060415	0.404507	ENSMUSG0 Gm10209
ENSMUSG0	5.634177	1.516432	0.807879	1.877053	0.060511	0.405006	ENSMUSG0 Gm7331
ENSMUSG0	1826.282	-0.35841	0.191016	-1.87632	0.060611	0.405477	ENSMUSG0 Faf1
ENSMUSG0	1067.502	-0.27048	0.144163	-1.87621	0.060626	0.405477	ENSMUSG0 Mcur1
ENSMUSG0	31.82755	-1.24148	0.66174	-1.87608	0.060644	0.405477	ENSMUSG0 Gm48565
ENSMUSG0	2474.993	-0.30864	0.164571	-1.87542	0.060734	0.405936	ENSMUSG0 Usf2
ENSMUSG0	70.10731	1.180578	0.629654	1.874963	0.060798	0.40622	ENSMUSG0 Cdh11
ENSMUSG0	414.306	-0.42102	0.224585	-1.87466	0.060839	0.406254	ENSMUSG0 Gfer
ENSMUSG0	17.47677	-1.38366	0.738102	-1.87462	0.060845	0.406254	ENSMUSG0 Igkv6-25
ENSMUSG0	5.035864	-1.50764	0.804345	-1.87437	0.06088	0.406324	ENSMUSG0 Gm19967
ENSMUSG0	4.949227	1.791192	0.955692	1.874236	0.060898	0.406324	ENSMUSG0 2810429104
ENSMUSG0	10.15166	1.446076	0.771681	1.873929	0.06094	0.406363	ENSMUSG0 Ighv5-17
ENSMUSG0	148.7106	1.265839	0.675515	1.873887	0.060946	0.406363	ENSMUSG0 Csf2rb2
ENSMUSG0	43.14954	0.764926	0.408252	1.873663	0.060977	0.406428	ENSMUSG0 Amz1
ENSMUSG0	1377.956	-0.93381	0.498505	-1.87321	0.061039	0.406701	ENSMUSG0 P2ry1
ENSMUSG0	1262.416	0.683848	0.365233	1.872361	0.061157	0.407293	ENSMUSG0 Tppp3
ENSMUSG0	31.82564	-0.61253	0.32716	-1.87225	0.061172	0.407293	ENSMUSG0 2310058D1
ENSMUSG0	2.948419	3.513974	1.877012	1.87211	0.061191	0.407293	ENSMUSG0 Cyp2d34
ENSMUSG0	26.72727	1.044362	0.558161	1.871075	0.061335	0.408023	ENSMUSG0 Nos1ap
ENSMUSG0	185.7037	-0.51306	0.274224	-1.87094	0.061354	0.408023	ENSMUSG0 Fastkd3
ENSMUSG0	21.9357	-1.08762	0.581395	-1.87071	0.061386	0.408023	ENSMUSG0 Pmel
ENSMUSG0	2979.959	-0.31329	0.167471	-1.87071	0.061386	0.408023	ENSMUSG0 Kcnj11
ENSMUSG0	3.899577	-5.68008	3.037137	-1.87021	0.061455	0.408214	ENSMUSG0 Prn
ENSMUSG0	5.657178	5.66927	3.031383	1.870193	0.061457	0.408214	ENSMUSG0 Gm21451
ENSMUSG0	108.4591	0.583047	0.311797	1.869955	0.06149	0.408225	ENSMUSG0 Nxpe3
ENSMUSG0	306.3617	-0.33133	0.177192	-1.86988	0.061501	0.408225	ENSMUSG0 Mad2l2
ENSMUSG0	4.694654	-1.48633	0.795219	-1.86908	0.061611	0.408814	ENSMUSG0 Nlrp5
ENSMUSG0	113.1312	1.780237	0.953138	1.867763	0.061795	0.409894	ENSMUSG0 Ccl22
ENSMUSG0	3622.571	-0.34388	0.184281	-1.86606	0.062033	0.411332	ENSMUSG0 Arl1
ENSMUSG0	633.0704	-0.21848	0.117103	-1.8657	0.062083	0.411521	ENSMUSG0 Rnf166
ENSMUSG0	2403.881	-0.38214	0.204854	-1.86542	0.062123	0.411638	ENSMUSG0 Prrc1

ENSMUSG0	350.0665	0.303699	0.162818	1.865269	0.062144	0.411638	ENSMUSG0 Dnajb5
ENSMUSG0	32.84506	-0.60403	0.323905	-1.86484	0.062204	0.411892	ENSMUSG0 Gm3468
ENSMUSG0	518.722	0.351307	0.188512	1.863583	0.06238	0.412882	ENSMUSG0 Ddx58
ENSMUSG0	146.0329	0.711823	0.382035	1.863238	0.062429	0.412882	ENSMUSG0 Dchs1
ENSMUSG0	88.86176	0.912117	0.489554	1.863159	0.06244	0.412882	ENSMUSG0 Trpv4
ENSMUSG0	20.94978	-1.89634	1.017836	-1.86311	0.062447	0.412882	ENSMUSG0 Igkv4-55
ENSMUSG0	80.48055	-0.88993	0.477681	-1.86301	0.06246	0.412882	ENSMUSG0 Gm38431
ENSMUSG0	363.4805	0.600716	0.322527	1.862527	0.062529	0.413193	ENSMUSG0 Clip4
ENSMUSG0	171.2162	-0.84243	0.452388	-1.86218	0.062578	0.413204	ENSMUSG0 Gm10941
ENSMUSG0	631.1648	-0.2775	0.149022	-1.86215	0.062582	0.413204	ENSMUSG0 Lrrc61
ENSMUSG0	32.56708	0.715288	0.384155	1.861978	0.062606	0.413204	ENSMUSG0 Slc9a5
ENSMUSG0	402.4613	-0.41601	0.223452	-1.86173	0.062642	0.413204	ENSMUSG0 Hnf1a
ENSMUSG0	1125.533	-0.24569	0.131974	-1.86167	0.06265	0.413204	ENSMUSG0 Prrg2
ENSMUSG0	78.76912	1.12875	0.606333	1.861601	0.062659	0.413204	ENSMUSG0 Adam8
ENSMUSG0	3055.343	-0.33989	0.1826	-1.86139	0.062689	0.41326	ENSMUSG0 Slc35b1
ENSMUSG0	2181.238	0.277035	0.14885	1.861167	0.062721	0.413324	ENSMUSG0 Usp20
ENSMUSG0	1443.291	0.270627	0.145438	1.860768	0.062777	0.413554	ENSMUSG0 Def8
ENSMUSG0	24.21241	0.706459	0.379735	1.860401	0.062829	0.413754	ENSMUSG0 Gabre
ENSMUSG0	903.7794	-1.63207	0.877436	-1.86005	0.062879	0.413942	ENSMUSG0 Ggt1
ENSMUSG0	214.9576	-0.30703	0.16512	-1.85946	0.062962	0.414348	ENSMUSG0 Zfp623
ENSMUSG0	8.332356	1.410797	0.758839	1.859153	0.063005	0.414348	ENSMUSG0 Smim17
ENSMUSG0	41.8775	0.893842	0.480814	1.859018	0.063025	0.414348	ENSMUSG0 Dlgap5
ENSMUSG0	629.1508	0.763082	0.410479	1.859003	0.063027	0.414348	ENSMUSG0 Dcdc2a
ENSMUSG0	37.35788	1.39957	0.753326	1.857855	0.06319	0.415277	ENSMUSG0 Clic3
ENSMUSG0	120.6167	0.656929	0.353673	1.857449	0.063247	0.41542	ENSMUSG0 Bmp6
ENSMUSG0	549.3087	0.34124	0.183719	1.857398	0.063255	0.41542	ENSMUSG0 Nfil3
ENSMUSG0	197.828	-0.67354	0.362732	-1.85686	0.06333	0.415643	ENSMUSG0 Atp5g2
ENSMUSG0	9.725428	-1.24694	0.671533	-1.85686	0.063332	0.415643	ENSMUSG0 Frmd8os
ENSMUSG0	810.2176	-0.30473	0.164156	-1.85635	0.063404	0.415827	ENSMUSG0 Ror2
ENSMUSG0	752.8138	-0.56557	0.304679	-1.85628	0.063414	0.415827	ENSMUSG0 Fbxo32
ENSMUSG0	333.8332	-0.31825	0.171451	-1.8562	0.063425	0.415827	ENSMUSG0 Thap1
ENSMUSG0	18.50506	0.879625	0.474054	1.855538	0.06352	0.416038	ENSMUSG0 C78197
ENSMUSG0	19.30563	1.233484	0.664763	1.855525	0.063521	0.416038	ENSMUSG0 Tbx21
ENSMUSG0	7.002043	-1.16114	0.625773	-1.85552	0.063522	0.416038	ENSMUSG0 Gm37788
ENSMUSG0	1071.481	-0.31131	0.16782	-1.85505	0.06359	0.416341	ENSMUSG0 Gm10524
ENSMUSG0	14.30867	-0.84877	0.457667	-1.85455	0.063661	0.416474	ENSMUSG0 4933417E1
ENSMUSG0	2011.85	-0.32207	0.173672	-1.85449	0.063669	0.416474	ENSMUSG0 Cdc42bpb
ENSMUSG0	51.38223	-0.77869	0.41994	-1.85429	0.063698	0.416474	ENSMUSG0 Gm10432
ENSMUSG0	1405.652	-0.22932	0.123678	-1.85415	0.063717	0.416474	ENSMUSG0 Gcnt2
ENSMUSG0	103.3271	-0.60337	0.325417	-1.85415	0.063718	0.416474	ENSMUSG0 Kyat3
ENSMUSG0	185.7709	-0.35306	0.190457	-1.85373	0.063778	0.416725	ENSMUSG0 Lsm2
ENSMUSG0	33.09574	0.632913	0.341502	1.853321	0.063836	0.416963	ENSMUSG0 Rad54l
ENSMUSG0	872.2444	0.79299	0.427912	1.853163	0.063859	0.41697	ENSMUSG0 Aqp1
ENSMUSG0	565.6998	-0.36683	0.198054	-1.85218	0.064	0.41731	ENSMUSG0 Tmem70
ENSMUSG0	58.79542	-0.69324	0.374305	-1.85209	0.064014	0.41731	ENSMUSG0 Riia1
ENSMUSG0	13.89852	1.27402	0.687899	1.852046	0.064019	0.41731	ENSMUSG0 Ackr2
ENSMUSG0	29.96012	1.390435	0.75078	1.851988	0.064028	0.41731	ENSMUSG0 Ndnf
ENSMUSG0	656.1109	-0.36496	0.197089	-1.85176	0.064061	0.41731	ENSMUSG0 Trpc1
ENSMUSG0	6.546254	1.512272	0.816752	1.851567	0.064088	0.41731	ENSMUSG0 Gm16201
ENSMUSG0	887.9897	0.581052	0.313831	1.851478	0.064101	0.41731	ENSMUSG0 Fnbp1
ENSMUSG0	85.55888	0.608248	0.328527	1.851439	0.064106	0.41731	ENSMUSG0 Gprc5a
ENSMUSG0	8.228252	0.988857	0.534522	1.849984	0.064316	0.418531	ENSMUSG0 Gm14207

ENSMUSG0	3012.719	0.509387	0.275401	1.849622	0.064368	0.418684	ENSMUSG0	Sfrp5
ENSMUSG0	1461.912	0.230653	0.12471	1.84952	0.064383	0.418684	ENSMUSG0	Clk3
ENSMUSG0	637.5332	0.794619	0.429714	1.849181	0.064432	0.41886	ENSMUSG0	Acot7
ENSMUSG0	4.556381	-1.70914	0.924516	-1.84868	0.064504	0.419188	ENSMUSG0	Sstr5
ENSMUSG0	117.8081	-0.3498	0.189254	-1.84832	0.064557	0.419389	ENSMUSG0	Nudt15
ENSMUSG0	817.2619	-0.28727	0.155452	-1.848	0.064603	0.419495	ENSMUSG0	Shb
ENSMUSG0	3.522209	-2.34306	1.267955	-1.8479	0.064617	0.419495	ENSMUSG0	Gm10634
ENSMUSG0	402.169	0.413603	0.223886	1.847386	0.064691	0.419838	ENSMUSG0	Elmod1
ENSMUSG0	18.67107	1.172384	0.634678	1.84721	0.064717	0.419861	ENSMUSG0	Adra2c
ENSMUSG0	1434204	-1.88175	1.01888	-1.84688	0.064765	0.419952	ENSMUSG0	Amy2a5
ENSMUSG0	586.8863	0.603443	0.326755	1.846776	0.06478	0.419952	ENSMUSG0	Zyx
ENSMUSG0	129.7266	-0.46213	0.250252	-1.84666	0.064796	0.419952	ENSMUSG0	Gm37254
ENSMUSG0	24.01401	-0.7214	0.390722	-1.84633	0.064844	0.420122	ENSMUSG0	Gm31432
ENSMUSG0	1417.713	-0.23686	0.128297	-1.84616	0.064869	0.420143	ENSMUSG0	Mfsd11
ENSMUSG0	2362.434	0.452127	0.244965	1.845679	0.064939	0.420348	ENSMUSG0	Gc
ENSMUSG0	469.642	0.327359	0.177369	1.84564	0.064945	0.420348	ENSMUSG0	Tmem201
ENSMUSG0	21.06856	-0.836	0.453163	-1.84481	0.065065	0.420983	ENSMUSG0	Pcolce2
ENSMUSG0	374.8614	-1.44845	0.785211	-1.84466	0.065087	0.420987	ENSMUSG0	Gm10334
ENSMUSG0	974.1963	-0.3234	0.175335	-1.84444	0.065118	0.421048	ENSMUSG0	Ufsp2
ENSMUSG0	682.6873	0.422654	0.229189	1.844134	0.065164	0.421199	ENSMUSG0	Fchsd2
ENSMUSG0	930.379	-0.29169	0.158218	-1.84358	0.065244	0.421507	ENSMUSG0	E2f4
ENSMUSG0	10.97356	-1.28422	0.696743	-1.84318	0.065303	0.421507	ENSMUSG0	Gm44745
ENSMUSG0	416.3203	0.617653	0.335107	1.843153	0.065307	0.421507	ENSMUSG0	Fhad1
ENSMUSG0	8.530534	-1.34143	0.727811	-1.84311	0.065313	0.421507	ENSMUSG0	Gm43540
ENSMUSG0	862.4636	0.47797	0.259342	1.84301	0.065327	0.421507	ENSMUSG0	Lamc2
ENSMUSG0	3.50598	2.207601	1.197892	1.842906	0.065343	0.421507	ENSMUSG0	Ighv10-3
ENSMUSG0	353.3597	-0.53168	0.288619	-1.84217	0.065451	0.422063	ENSMUSG0	C1qtnf6
ENSMUSG0	1030.049	-0.36093	0.195966	-1.84179	0.065506	0.422149	ENSMUSG0	Ak3
ENSMUSG0	1705.404	0.416194	0.226006	1.841519	0.065546	0.422149	ENSMUSG0	H2-Q4
ENSMUSG0	1654.44	-0.45876	0.249157	-1.84127	0.065582	0.422149	ENSMUSG0	St18
ENSMUSG0	25.63846	1.198482	0.650916	1.841223	0.065589	0.422149	ENSMUSG0	Tmem45a
ENSMUSG0	25.86618	0.615644	0.334374	1.841184	0.065595	0.422149	ENSMUSG0	Adam5
ENSMUSG0	3.336107	1.87388	1.017763	1.841175	0.065596	0.422149	ENSMUSG0	Gm44087
ENSMUSG0	86.30074	0.492503	0.267587	1.840533	0.06569	0.422614	ENSMUSG0	Slc16a2
ENSMUSG0	8.914111	1.337474	0.726747	1.840357	0.065716	0.422618	ENSMUSG0	Sema3a
ENSMUSG0	26.12402	0.770601	0.418769	1.840158	0.065745	0.422618	ENSMUSG0	Dennd2c
ENSMUSG0	22.73382	1.157556	0.62908	1.840079	0.065757	0.422618	ENSMUSG0	Gm28035
ENSMUSG0	201.4263	-0.44721	0.243092	-1.83966	0.065819	0.422673	ENSMUSG0	Lpin3
ENSMUSG0	103.0727	-0.5774	0.313865	-1.83965	0.06582	0.422673	ENSMUSG0	Gm46603
ENSMUSG0	514.4783	0.65696	0.35715	1.839452	0.065849	0.422673	ENSMUSG0	Notch3
ENSMUSG0	346.4371	-0.2717	0.147728	-1.83922	0.065883	0.422673	ENSMUSG0	Cep78
ENSMUSG0	3.393523	-2.0795	1.130654	-1.8392	0.065886	0.422673	ENSMUSG0	Gm48089
ENSMUSG0	5627.634	0.288818	0.157041	1.839123	0.065897	0.422673	ENSMUSG0	Npm1
ENSMUSG0	6924.266	-1.43635	0.781276	-1.83846	0.065994	0.42308	ENSMUSG0	Pla2g1b
ENSMUSG0	140.899	1.069064	0.581521	1.838393	0.066004	0.42308	ENSMUSG0	Inpp4b
ENSMUSG0	10.87677	1.738087	0.94563	1.838021	0.066059	0.423286	ENSMUSG0	Ighv1-53
ENSMUSG0	41.0508	0.828857	0.450987	1.837876	0.066081	0.423286	ENSMUSG0	Gm47015
ENSMUSG0	520.8616	-0.31175	0.169716	-1.83688	0.066227	0.424083	ENSMUSG0	Fra10ac1
ENSMUSG0	9.160017	1.179953	0.642551	1.836356	0.066305	0.42444	ENSMUSG0	Gm17167
ENSMUSG0	589.9146	0.517735	0.282	1.83594	0.066366	0.424509	ENSMUSG0	Met
ENSMUSG0	490.8386	-0.52683	0.286957	-1.83591	0.066371	0.424509	ENSMUSG0	Tshz3
ENSMUSG0	615.5108	-0.40931	0.222971	-1.83571	0.0664	0.424509	ENSMUSG0	Zfp667

ENSMUSG0	792.7214	-0.40859	0.222582	-1.83569	0.066404	0.424509	ENSMUSG01110065P2
ENSMUSG0	54.86683	0.615579	0.335368	1.835532	0.066427	0.424515	ENSMUSG0 Prox1os
ENSMUSG0	1137.183	0.307556	0.167585	1.835219	0.066473	0.424669	ENSMUSG0 Isyna1
ENSMUSG0	38262.92	0.246532	0.134358	1.834883	0.066523	0.424846	ENSMUSG0 Gnas
ENSMUSG0	79.55749	-0.56712	0.309241	-1.8339	0.066669	0.425638	ENSMUSG0 Mfsd9
ENSMUSG0	2.954579	1.895181	1.033578	1.833613	0.066711	0.425711	ENSMUSG0 Selenov
ENSMUSG0	1527.66	0.269163	0.146801	1.833523	0.066725	0.425711	ENSMUSG0 Pigs
ENSMUSG0	288.1674	1.10913	0.604967	1.833374	0.066747	0.425711	ENSMUSG0 Lck
ENSMUSG0	62.52714	1.461796	0.797449	1.83309	0.066789	0.425839	ENSMUSG0 Lef1
ENSMUSG0	24.03002	1.417302	0.773655	1.831955	0.066958	0.426623	ENSMUSG0 Adgrg5
ENSMUSG0	39.68523	1.294213	0.706594	1.831622	0.067008	0.426623	ENSMUSG0 Adamts1
ENSMUSG0	198.2837	0.422166	0.230502	1.831504	0.067025	0.426623	ENSMUSG0 N4bp3
ENSMUSG0	24.62105	-0.73091	0.399078	-1.83149	0.067027	0.426623	ENSMUSG0 Lgi3
ENSMUSG0	148.7038	-0.49812	0.272011	-1.83126	0.067062	0.426623	ENSMUSG0 Nudt2
ENSMUSG0	86.12013	-0.71161	0.388591	-1.83125	0.067064	0.426623	ENSMUSG0 Cc2d2b
ENSMUSG0	122.9793	-0.47701	0.260486	-1.83122	0.067067	0.426623	ENSMUSG0 Pla2g2c
ENSMUSG0	1912.062	0.197282	0.107762	1.830715	0.067143	0.426964	ENSMUSG0 Fbxw8
ENSMUSG0	2679.785	-0.9839	0.537757	-1.82964	0.067305	0.427849	ENSMUSG0 Gm38070
ENSMUSG0	136.5653	0.697031	0.381007	1.829443	0.067333	0.42789	ENSMUSG0 Gm29084
ENSMUSG0	17.52915	1.162031	0.63538	1.828875	0.067418	0.428258	ENSMUSG0 Htr3b
ENSMUSG0	974.243	-0.28976	0.158446	-1.82876	0.067436	0.428258	ENSMUSG0 C2cd3
ENSMUSG0	16.75523	-0.76907	0.42058	-1.8286	0.06746	0.42827	ENSMUSG0 Gm38162
ENSMUSG0	1369.73	0.277591	0.151838	1.828206	0.067519	0.428491	ENSMUSG0 Add3
ENSMUSG0	25.40177	0.823443	0.450444	1.828069	0.067539	0.428491	ENSMUSG0 Grik2
ENSMUSG0	3267.785	-0.4283	0.234315	-1.82789	0.067566	0.428519	ENSMUSG0 Nr1d2
ENSMUSG0	122.5733	1.065508	0.583145	1.827174	0.067674	0.428798	ENSMUSG0 Fam49a
ENSMUSG0	729.3307	0.443668	0.242825	1.827109	0.067683	0.428798	ENSMUSG0 Dnmt1
ENSMUSG0	246.9168	-0.44557	0.243896	-1.82688	0.067718	0.428798	ENSMUSG0 Fmo5
ENSMUSG0	4.190255	2.410467	1.319457	1.826863	0.06772	0.428798	ENSMUSG0 Prg4
ENSMUSG0	24.27097	1.174761	0.643051	1.826856	0.067721	0.428798	ENSMUSG0 Gdf1
ENSMUSG0	650.021	-0.24526	0.134293	-1.82629	0.067807	0.42909	ENSMUSG0 Taf5l
ENSMUSG0	3161.763	-0.32184	0.176227	-1.82625	0.067812	0.42909	ENSMUSG0 Agpat3
ENSMUSG0	124.7627	1.17382	0.642927	1.825745	0.067889	0.42935	ENSMUSG0 Itk
ENSMUSG0	766.0588	-0.29133	0.159574	-1.82568	0.067898	0.42935	ENSMUSG0 Dpagt1
ENSMUSG0	2301.361	-0.48303	0.264598	-1.82553	0.067921	0.429353	ENSMUSG0 Sumo1
ENSMUSG0	95.63908	-0.56197	0.307902	-1.82517	0.067976	0.429453	ENSMUSG0 Dusp14
ENSMUSG0	42.59555	0.852954	0.467338	1.825132	0.067981	0.429453	ENSMUSG0 Adamts7
ENSMUSG0	523.1157	-0.20826	0.114137	-1.82461	0.068059	0.429608	ENSMUSG0 Nrf1
ENSMUSG0	666.7233	-0.94638	0.518691	-1.82456	0.068067	0.429608	ENSMUSG0 Cebpdl
ENSMUSG0	155.6501	0.958958	0.525593	1.824526	0.068073	0.429608	ENSMUSG0 Sh3bp1
ENSMUSG0	15.34547	-1.10397	0.60532	-1.82378	0.068186	0.430057	ENSMUSG0 Asb9
ENSMUSG0	444.3433	-0.25313	0.138798	-1.82376	0.068189	0.430057	ENSMUSG0 St3gal3
ENSMUSG0	216.1506	0.83579	0.458443	1.823105	0.068288	0.43054	ENSMUSG0 Filip1l
ENSMUSG0	1598.735	-0.41626	0.22839	-1.82257	0.068369	0.4308	ENSMUSG0 Ptpn1
ENSMUSG0	4680.73	-0.88651	0.486417	-1.82254	0.068373	0.4308	ENSMUSG0 Rgs2
ENSMUSG0	36.22489	-2.65697	1.458086	-1.82223	0.068419	0.430949	ENSMUSG0 Gm10297
ENSMUSG0	6.612965	1.30277	0.715112	1.82177	0.06849	0.431251	ENSMUSG0 Vwa2
ENSMUSG0	8.741776	1.044145	0.57351	1.820623	0.068664	0.432005	ENSMUSG0D930036K2
ENSMUSG0	15.52065	-0.99494	0.546483	-1.82062	0.068665	0.432005	ENSMUSG0 Gm34121
ENSMUSG0	142.6799	0.412138	0.226389	1.820488	0.068685	0.432005	ENSMUSG0 Ndc1
ENSMUSG0	25.53126	-0.83888	0.460824	-1.82039	0.0687	0.432005	ENSMUSG0 Gm42970
ENSMUSG0	279.272	1.095665	0.602019	1.819983	0.068762	0.432254	ENSMUSG0 Slc18a3

ENSMUSG0	2313.364	-0.2368	0.130148	-1.81948	0.068839	0.432597	ENSMUSG0 Tmem109
ENSMUSG0	9.557598	-1.28453	0.706183	-1.81897	0.068915	0.432929	ENSMUSG0 Prdm14
ENSMUSG0	1386.675	-0.18919	0.104017	-1.81884	0.068936	0.432929	ENSMUSG0 Pbx2
ENSMUSG0	4750.786	-0.24333	0.133818	-1.81839	0.069005	0.433186	ENSMUSG0 Ubqln2
ENSMUSG0	1310.763	-0.41732	0.229525	-1.81819	0.069036	0.433186	ENSMUSG0 Ficd
ENSMUSG0	61.44954	-0.52877	0.290879	-1.81783	0.06909	0.433186	ENSMUSG0 Wfikn1
ENSMUSG0	1941.31	-0.34071	0.18745	-1.81759	0.069127	0.433186	ENSMUSG0 Cog1
ENSMUSG0	147.5234	1.175933	0.646986	1.817557	0.069132	0.433186	ENSMUSG0 Traf1
ENSMUSG0	43.35824	-0.92278	0.507745	-1.81741	0.069154	0.433186	ENSMUSG0 EphA8
ENSMUSG0	18867.19	0.293222	0.161342	1.817402	0.069156	0.433186	ENSMUSG0 Pam
ENSMUSG0	45.18594	0.47779	0.262915	1.817278	0.069175	0.433186	ENSMUSG0 Cage1
ENSMUSG0	773.7535	-0.46217	0.254322	-1.81724	0.06918	0.433186	ENSMUSG0 Fgl2
ENSMUSG0	110.3701	0.656452	0.361542	1.815703	0.069416	0.434433	ENSMUSG0 Reln
ENSMUSG0	2332.837	-0.28924	0.159306	-1.81565	0.069424	0.434433	ENSMUSG0 Sun1
ENSMUSG0	4.338633	2.659105	1.464972	1.815123	0.069505	0.434726	ENSMUSG0 Foxi1
ENSMUSG0	9.041957	-1.00192	0.552005	-1.81505	0.069516	0.434726	ENSMUSG0 Gm11752
ENSMUSG0	292.0359	-0.84569	0.466016	-1.81472	0.069567	0.434801	ENSMUSG0 Gnmt
ENSMUSG0	459.2711	-0.29486	0.162498	-1.81455	0.069592	0.434801	ENSMUSG0 Pus1
ENSMUSG0	3.960572	-1.52259	0.839203	-1.81433	0.069626	0.434801	ENSMUSG0 Gm16170
ENSMUSG0	3578.205	0.293834	0.161954	1.814306	0.069631	0.434801	ENSMUSG0 Cand1
ENSMUSG0	1455.458	-0.43742	0.241105	-1.81424	0.069641	0.434801	ENSMUSG0 Tmco1
ENSMUSG0	1355.264	-0.55421	0.305511	-1.81403	0.069673	0.434859	ENSMUSG0 Bcat2
ENSMUSG0	28.57365	0.889691	0.490638	1.813335	0.06978	0.435385	ENSMUSG0 Snai1
ENSMUSG0	544.1649	-0.24106	0.133022	-1.81215	0.069964	0.436388	ENSMUSG0 Taf11
ENSMUSG0	81.9218	-0.46099	0.254413	-1.81197	0.069992	0.43642	ENSMUSG0 Nudt6
ENSMUSG0	4312.021	-0.21248	0.117281	-1.81171	0.070031	0.436483	ENSMUSG0 Cyb5b
ENSMUSG0	1103.623	-0.24087	0.132962	-1.81161	0.070047	0.436483	ENSMUSG0 Fam160a2
ENSMUSG0	3645.379	-0.20282	0.111968	-1.81141	0.070078	0.436511	ENSMUSG0 Nptxr
ENSMUSG0	551.4626	-0.33664	0.185859	-1.81128	0.070097	0.436511	ENSMUSG0 Lipo3
ENSMUSG0	54.21925	0.560301	0.309371	1.811102	0.070125	0.436546	ENSMUSG0 Srd5a1
ENSMUSG0	1453.455	-0.28148	0.15547	-1.81049	0.070219	0.436907	ENSMUSG0 Jmjd8
ENSMUSG0	31.78244	1.498089	0.827488	1.810405	0.070233	0.436907	ENSMUSG0 Npas2
ENSMUSG0	16.05838	0.994305	0.549262	1.810255	0.070256	0.436907	ENSMUSG0 Brinp1
ENSMUSG0	62.8075	0.992185	0.548163	1.810017	0.070293	0.436907	ENSMUSG0 Nlrc3
ENSMUSG0	852.4368	0.735413	0.406307	1.809995	0.070297	0.436907	ENSMUSG0 Ankrd52
ENSMUSG0	10.38478	-1.60033	0.884256	-1.80981	0.070326	0.436945	ENSMUSG0 Gm10718
ENSMUSG0	259.024	0.776778	0.429339	1.80924	0.070414	0.437351	ENSMUSG0 Rgs1
ENSMUSG0	818.7925	-0.31253	0.172765	-1.80902	0.070449	0.437427	ENSMUSG0 Cyb5r4
ENSMUSG0	37.27632	0.837681	0.463169	1.808587	0.070515	0.437595	ENSMUSG0 Slit1
ENSMUSG0	579.7379	-0.33251	0.183853	-1.80855	0.070521	0.437595	ENSMUSG0 Ebag9
ENSMUSG0	38.99419	0.683417	0.377929	1.808321	0.070557	0.437673	ENSMUSG0 Nyap2
ENSMUSG0	1473.572	0.551147	0.304923	1.807495	0.070685	0.438276	ENSMUSG0 Elf3
ENSMUSG0	3791.404	-0.36373	0.201254	-1.80734	0.070709	0.438276	ENSMUSG0 Adi1
ENSMUSG0	126.8948	0.319398	0.176731	1.807258	0.070722	0.438276	ENSMUSG0 Hdac8
ENSMUSG0	29.46104	0.959614	0.531025	1.807098	0.070747	0.43829	ENSMUSG0 Plekhs1
ENSMUSG0	562.0224	-0.27899	0.15443	-1.80657	0.070829	0.438655	ENSMUSG0 Slc35e4
ENSMUSG0	460.8303	-0.39026	0.216051	-1.80632	0.070868	0.438756	ENSMUSG0 Bckdhh
ENSMUSG0	699.7068	0.949184	0.525534	1.806131	0.070898	0.4388	ENSMUSG0 Thy1
ENSMUSG0	294.3128	-0.31684	0.175467	-1.80569	0.070967	0.43894	ENSMUSG0 Ube2e2
ENSMUSG0	9.466246	-1.64155	0.909125	-1.80563	0.070975	0.43894	ENSMUSG0 Slc4a5
ENSMUSG0	1094.863	-0.31111	0.172306	-1.80555	0.070989	0.43894	ENSMUSG0 Lpin1
ENSMUSG0	277.766	-0.40824	0.226146	-1.80522	0.071041	0.439118	ENSMUSG0 Sgk2

ENSMUSG0	133.1842	-0.51401	0.284766	-1.80503	0.071071	0.439162	ENSMUSG0 Etohd2
ENSMUSG0	2807.186	-0.386	0.213931	-1.80433	0.071179	0.439693	ENSMUSG0 Tnrc6a
ENSMUSG0	4.917714	1.651525	0.915399	1.804159	0.071206	0.43972	ENSMUSG0 Rps26-ps1
ENSMUSG0	1766.33	-0.51635	0.286299	-1.80355	0.071302	0.440167	ENSMUSG0 Lifr
ENSMUSG0	436.1736	-0.38044	0.210976	-1.80323	0.071351	0.440333	ENSMUSG0 Pno1
ENSMUSG0	4306.242	-0.30009	0.166438	-1.80298	0.071391	0.440434	ENSMUSG0 Wls
ENSMUSG0	199.7216	0.606659	0.336574	1.802455	0.071474	0.440754	ENSMUSG0 Gm13889
ENSMUSG0	1185.716	-0.25488	0.141412	-1.80236	0.071488	0.440754	ENSMUSG0 Coq8b
ENSMUSG0	807.5127	-0.25284	0.140303	-1.80211	0.071527	0.440796	ENSMUSG0 Nfs1
ENSMUSG0	314.9428	-0.34882	0.193572	-1.80201	0.071544	0.440796	ENSMUSG0 Rnf135
ENSMUSG0	7199.298	-0.73752	0.409337	-1.80174	0.071586	0.440796	ENSMUSG0 mt-Nd3
ENSMUSG0	173.8119	0.497686	0.276226	1.801736	0.071587	0.440796	ENSMUSG0 Zswim6
ENSMUSG0	18.82831	-0.70632	0.392243	-1.80071	0.071748	0.44136	ENSMUSG0 Gm43457
ENSMUSG0	935.9725	-0.35373	0.196451	-1.80059	0.071767	0.44136	ENSMUSG0 Tmem219
ENSMUSG0	921.8449	-0.19852	0.110258	-1.80053	0.071778	0.44136	ENSMUSG0 Rbm7
ENSMUSG0	156.9664	0.902278	0.501127	1.800497	0.071782	0.44136	ENSMUSG0 Lum
ENSMUSG0	1757.229	-0.29385	0.163222	-1.8003	0.071813	0.44136	ENSMUSG0 Sys1
ENSMUSG0	273.1436	-0.5338	0.296508	-1.80028	0.071816	0.44136	ENSMUSG0 Gm20208
ENSMUSG0	903.4869	-0.25094	0.139442	-1.79962	0.071921	0.441764	ENSMUSG0 Phc1
ENSMUSG0	1206.152	-0.40549	0.225327	-1.79956	0.071931	0.441764	ENSMUSG0 Asah2
ENSMUSG0	40.89426	-0.57567	0.319916	-1.79943	0.071951	0.441764	ENSMUSG0 Gm10642
ENSMUSG0	12.04554	-0.98518	0.54767	-1.79886	0.072041	0.442151	ENSMUSG0 Gm26620
ENSMUSG0	3134.965	-0.3748	0.208367	-1.79874	0.07206	0.442151	ENSMUSG0 Zfp706
ENSMUSG0	10.90429	-1.06923	0.594593	-1.79825	0.072137	0.442356	ENSMUSG0 Gm44800
ENSMUSG0	2539.846	-0.28607	0.159088	-1.79818	0.072149	0.442356	ENSMUSG0 Scrn1
ENSMUSG0	4.374933	-1.69779	0.944216	-1.79809	0.072162	0.442356	ENSMUSG0 Slc6a19os
ENSMUSG0	2793.718	-0.35954	0.200018	-1.79756	0.072247	0.442675	ENSMUSG0 Slc38a4
ENSMUSG0	563.607	-0.36003	0.200297	-1.79747	0.07226	0.442675	ENSMUSG0 Pced1a
ENSMUSG0	655.1574	-0.46984	0.26141	-1.79732	0.072285	0.442685	ENSMUSG0 Nlk
ENSMUSG0	3.368077	2.287421	1.272934	1.796967	0.072341	0.442886	ENSMUSG0 Gm16010
ENSMUSG0	90.85261	1.16938	0.650847	1.796705	0.072382	0.443	ENSMUSG0 Zap70
ENSMUSG0	1110.343	0.287075	0.159798	1.79649	0.072417	0.443068	ENSMUSG0 Ric8b
ENSMUSG0	36.57959	-0.63897	0.355708	-1.79633	0.072442	0.443085	ENSMUSG0 1110035H1
ENSMUSG0	16.64172	1.087884	0.605683	1.796126	0.072475	0.443112	ENSMUSG0 Dpf1
ENSMUSG0	20.84829	-1.54542	0.860473	-1.79601	0.072493	0.443112	ENSMUSG0 Amn
ENSMUSG0	497.6352	-0.33025	0.183926	-1.79559	0.07256	0.443266	ENSMUSG0 Aasdhppt
ENSMUSG0	2716.232	-1.5377	0.856392	-1.79556	0.072564	0.443266	ENSMUSG0 Try10
ENSMUSG0	346.2467	0.339836	0.189318	1.795051	0.072646	0.443616	ENSMUSG0 Gab2
ENSMUSG0	1051.331	-0.36863	0.205374	-1.79491	0.072668	0.443616	ENSMUSG0 Ndfip2
ENSMUSG0	724.0444	-0.35485	0.197772	-1.79424	0.072775	0.443923	ENSMUSG0 Eef2kmt
ENSMUSG0	109.7194	0.667276	0.37192	1.794139	0.072791	0.443923	ENSMUSG0 Pcdhga8
ENSMUSG0	79.68425	0.458622	0.25564	1.794017	0.072811	0.443923	ENSMUSG0 Rasgef1a
ENSMUSG0	22.1679	0.865251	0.482308	1.793979	0.072816	0.443923	ENSMUSG0 Trpc6
ENSMUSG0	1763.3	-0.46668	0.260154	-1.79387	0.072833	0.443923	ENSMUSG0 C1qa
ENSMUSG0	2.946678	2.508947	1.398957	1.793442	0.072902	0.444203	ENSMUSG0 Ahrr
ENSMUSG0	28.3032	-1.36977	0.763952	-1.79301	0.072972	0.444375	ENSMUSG0 Gm49839
ENSMUSG0	747.1711	0.388036	0.21642	1.792976	0.072977	0.444375	ENSMUSG0 Cnp
ENSMUSG0	441.524	0.36115	0.201475	1.792536	0.073047	0.444663	ENSMUSG0 Litaf
ENSMUSG0	12.31372	-1.32766	0.740816	-1.79216	0.073107	0.444812	ENSMUSG0 1810044K1
ENSMUSG0	6.559599	1.269022	0.708194	1.791914	0.073147	0.444812	ENSMUSG0 Igf2bp1
ENSMUSG0	59.26246	-0.58652	0.327328	-1.79183	0.07316	0.444812	ENSMUSG0 Gm4673
ENSMUSG0	2804.855	0.229675	0.128187	1.791725	0.073177	0.444812	ENSMUSG0 Usp5

ENSMUSG0	3.302767	-1.68673	0.941435	-1.79166	0.073187	0.444812	ENSMUSG0 Gm12802
ENSMUSG0	468.0608	-0.33315	0.185985	-1.79129	0.073247	0.444981	ENSMUSG0 Tarsl2
ENSMUSG0	103.0105	0.768334	0.428954	1.791182	0.073264	0.444981	ENSMUSG0 Tox2
ENSMUSG0	122.8896	0.349331	0.195042	1.791055	0.073284	0.444981	ENSMUSG0 Zfp14
ENSMUSG0	21.5606	-0.77254	0.431381	-1.79084	0.073319	0.445049	ENSMUSG0 Gm17733
ENSMUSG0	73.6238	0.561494	0.313654	1.790168	0.073427	0.445564	ENSMUSG0 Alpl
ENSMUSG0	39.84491	-0.59226	0.330904	-1.78982	0.073483	0.445738	ENSMUSG0 4930481B0
ENSMUSG0	797.9394	-0.2858	0.159704	-1.78953	0.073529	0.445738	ENSMUSG0 Dtnb
ENSMUSG0	499.1832	0.551403	0.308138	1.789468	0.07354	0.445738	ENSMUSG0 Gng2
ENSMUSG0	221.2084	0.45842	0.256184	1.789414	0.073548	0.445738	ENSMUSG0 Slc8b1
ENSMUSG0	1510.747	-1.51873	0.849193	-1.78844	0.073706	0.446553	ENSMUSG0 Serpini2
ENSMUSG0	63.91775	-0.50596	0.282982	-1.78795	0.073784	0.446606	ENSMUSG0 Iqank1
ENSMUSG0	242.1238	0.468006	0.26176	1.787919	0.073789	0.446606	ENSMUSG0 Serpina7
ENSMUSG0	5.141555	1.409356	0.788379	1.787664	0.07383	0.446606	ENSMUSG0 Bhlhe22
ENSMUSG0	1803.764	-0.30936	0.173072	-1.78748	0.07386	0.446606	ENSMUSG0 Cacnb3
ENSMUSG0	57.23321	1.17295	0.656228	1.787413	0.073871	0.446606	ENSMUSG0 Jph2
ENSMUSG0	59.17963	-1.32433	0.740946	-1.78735	0.07388	0.446606	ENSMUSG0 Gstp2
ENSMUSG0	201.807	0.376251	0.210511	1.787322	0.073886	0.446606	ENSMUSG0 Cdc42ep3
ENSMUSG0	9.42652	1.760868	0.98525	1.78723	0.0739	0.446606	ENSMUSG0 Samd3
ENSMUSG0	67.86001	-0.54146	0.303018	-1.7869	0.073953	0.446762	ENSMUSG0 Esyt3
ENSMUSG0	247.749	-0.51336	0.287309	-1.78678	0.073973	0.446762	ENSMUSG0 Kcnp2
ENSMUSG0	25.86652	1.192741	0.667649	1.786478	0.074022	0.446919	ENSMUSG0 Ccdc33
ENSMUSG0	1683.659	0.858569	0.480699	1.786083	0.074086	0.447063	ENSMUSG0 Igfbp4
ENSMUSG0	379.3614	0.376948	0.211052	1.786044	0.074092	0.447063	ENSMUSG0 Parp11
ENSMUSG0	13.77212	1.163981	0.651777	1.785858	0.074122	0.447104	ENSMUSG0 A230005M
ENSMUSG0	378.8364	-0.32124	0.179906	-1.78557	0.074168	0.447241	ENSMUSG0 Peli3
ENSMUSG0	135.004	0.512085	0.286968	1.784467	0.074348	0.448009	ENSMUSG0 Sema3e
ENSMUSG0	243.3373	0.524904	0.294183	1.784279	0.074378	0.448009	ENSMUSG0 Bcl6
ENSMUSG0	4.019705	-1.75809	0.985418	-1.78411	0.074406	0.448009	ENSMUSG0 Tgm3
ENSMUSG0	1930.224	-1.26383	0.708422	-1.78401	0.074422	0.448009	ENSMUSG0 Cish
ENSMUSG0	11.0641	1.014197	0.568531	1.783891	0.074441	0.448009	ENSMUSG0 Rapsn
ENSMUSG0	1632.518	-0.35565	0.199385	-1.78372	0.074469	0.448009	ENSMUSG0 Ky
ENSMUSG0	1675.973	0.344179	0.192968	1.783607	0.074488	0.448009	ENSMUSG0 Thra
ENSMUSG0	549.3723	0.300125	0.168272	1.78357	0.074493	0.448009	ENSMUSG0 Irf9
ENSMUSG0	4.977851	1.360324	0.762756	1.783432	0.074516	0.448009	ENSMUSG0 Acox2
ENSMUSG0	86.71368	-0.57844	0.324357	-1.78336	0.074528	0.448009	ENSMUSG0 2310010J17
ENSMUSG0	498.399	-0.28028	0.157187	-1.78308	0.074573	0.448137	ENSMUSG0 Mrps2
ENSMUSG0	6.380657	-1.36081	0.763523	-1.78228	0.074704	0.448784	ENSMUSG0 9230116L0
ENSMUSG0	298.3242	0.482894	0.271046	1.781591	0.074816	0.449115	ENSMUSG0 Rab11fip4
ENSMUSG0	91.16641	0.678164	0.380661	1.781541	0.074824	0.449115	ENSMUSG0 Insyn1
ENSMUSG0	58.29696	-0.58476	0.328241	-1.78151	0.074829	0.449115	ENSMUSG0 Eldr
ENSMUSG0	486.0182	-0.38972	0.218924	-1.78016	0.07505	0.450135	ENSMUSG0 Carnmt1
ENSMUSG0	67.74874	0.713856	0.40102	1.780099	0.07506	0.450135	ENSMUSG0 Spats2l
ENSMUSG0	47.11656	1.941099	1.090694	1.779691	0.075126	0.450135	ENSMUSG0 Dbh
ENSMUSG0	36.40497	1.612914	0.906297	1.779675	0.075129	0.450135	ENSMUSG0 Cd226
ENSMUSG0	98.73156	0.525461	0.295267	1.779613	0.075139	0.450135	ENSMUSG0 Cklf
ENSMUSG0	233.9138	-0.34063	0.191409	-1.77961	0.075139	0.450135	ENSMUSG0 Acad10
ENSMUSG0	952.2706	0.382614	0.215039	1.779278	0.075194	0.45019	ENSMUSG0 Lgmn
ENSMUSG0	3.93265	1.694196	0.952186	1.77927	0.075196	0.45019	ENSMUSG0 1810013D1
ENSMUSG0	103.7214	-0.35092	0.197261	-1.77895	0.075248	0.450365	ENSMUSG0 Gm15545
ENSMUSG0	533.9047	-0.25808	0.145093	-1.77869	0.07529	0.450475	ENSMUSG0 Eif1ad
ENSMUSG0	200587	-1.54769	0.870213	-1.77852	0.075319	0.450506	ENSMUSG0 2210010C0

ENSMUSG0	1591.672	-0.33722	0.189628	-1.77831	0.075353	0.450569	ENSMUSG0 Cog6
ENSMUSG0	725.0429	0.334252	0.188008	1.77786	0.075427	0.450874	ENSMUSG0 Ogfod1
ENSMUSG0	392.8969	-0.21109	0.118756	-1.77749	0.075488	0.450971	ENSMUSG0 Sirt3
ENSMUSG0	1629.194	-0.26262	0.147752	-1.77744	0.075497	0.450971	ENSMUSG0 Wasl
ENSMUSG0	1821.77	0.39571	0.222643	1.777333	0.075514	0.450971	ENSMUSG0 Klhdc8b
ENSMUSG0	3.356586	3.09507	1.741681	1.777059	0.075558	0.4511	ENSMUSG0 Kcng2
ENSMUSG0	690.5786	-0.40076	0.225559	-1.77673	0.075612	0.451151	ENSMUSG0 Gemin7
ENSMUSG0	145.6893	0.677021	0.38109	1.776537	0.075644	0.451151	ENSMUSG0 Ksr1
ENSMUSG0	1762.494	-0.29869	0.168134	-1.77653	0.075646	0.451151	ENSMUSG0 C2cd2l
ENSMUSG0	71.54447	-0.61499	0.346193	-1.77644	0.075661	0.451151	ENSMUSG0 Kcnh8
ENSMUSG0	23.64855	-0.94339	0.531142	-1.77615	0.075708	0.451288	ENSMUSG0 Fam228b
ENSMUSG0	477.9379	0.580733	0.326988	1.776006	0.075732	0.451288	ENSMUSG0 Cav1
ENSMUSG0	400.7132	-0.33184	0.186858	-1.77587	0.075754	0.451288	ENSMUSG0 Abhd6
ENSMUSG0	16.0416	-0.93205	0.524919	-1.77561	0.075798	0.451406	ENSMUSG0 Bcas1
ENSMUSG0	587.4531	-0.25269	0.142337	-1.77529	0.075851	0.451568	ENSMUSG0 Elac2
ENSMUSG0	737.2883	-0.31394	0.176863	-1.77507	0.075887	0.451568	ENSMUSG0 Map6
ENSMUSG0	71.4159	1.962809	1.10621	1.774354	0.076005	0.451967	ENSMUSG0 Sptssb
ENSMUSG0	21.89413	0.663279	0.37388	1.774041	0.076056	0.451967	ENSMUSG0 Pcdhb12
ENSMUSG0	636.7092	-0.22916	0.129178	-1.77397	0.076068	0.451967	ENSMUSG0 Bcas3
ENSMUSG0	153.3099	-0.47798	0.269454	-1.77389	0.076082	0.451967	ENSMUSG0 Pigf
ENSMUSG0	3.559679	1.81641	1.024034	1.773779	0.0761	0.451967	ENSMUSG0 Dsg1a
ENSMUSG0	3579.15	-0.3625	0.204375	-1.77368	0.076116	0.451967	ENSMUSG0 Prps1
ENSMUSG0	514.7482	-0.37066	0.208986	-1.77361	0.076128	0.451967	ENSMUSG0 Wdr4
ENSMUSG0	292.983	-0.28133	0.158634	-1.77342	0.076159	0.451967	ENSMUSG0 Cops7b
ENSMUSG0	222.8166	0.603929	0.34057	1.773291	0.07618	0.451967	ENSMUSG0 Itga5
ENSMUSG0	1151.62	0.636221	0.3588	1.77319	0.076197	0.451967	ENSMUSG0 Zfp361l
ENSMUSG0	58.73971	0.464508	0.262037	1.772683	0.076281	0.45227	ENSMUSG0 Shc4
ENSMUSG0	220.5593	1.52928	0.862733	1.772598	0.076295	0.45227	ENSMUSG0 Grp
ENSMUSG0	3.819623	2.198422	1.240379	1.772379	0.076332	0.452297	ENSMUSG0 Slc25a31
ENSMUSG0	5.097976	2.052928	1.158349	1.772287	0.076347	0.452297	ENSMUSG0 Pde6h
ENSMUSG0	21.94636	0.595497	0.336033	1.772138	0.076372	0.452305	ENSMUSG0 M5C1000I1
ENSMUSG0	6.410504	1.207024	0.681265	1.771739	0.076438	0.452534	ENSMUSG0 Gm42892
ENSMUSG0	1556.442	-0.17951	0.101324	-1.77162	0.076457	0.452534	ENSMUSG0 Rad23a
ENSMUSG0	1137.74	-0.31859	0.179885	-1.7711	0.076545	0.452911	ENSMUSG0 Yipf1
ENSMUSG0	197.2596	0.412894	0.233212	1.770463	0.07665	0.453343	ENSMUSG0 Tbx2
ENSMUSG0	16.84278	-0.87155	0.492314	-1.77031	0.076676	0.453343	ENSMUSG0 Gm37490
ENSMUSG0	637.2826	-0.21014	0.118705	-1.77023	0.076688	0.453343	ENSMUSG0 Atg5
ENSMUSG0	1038.249	-0.50183	0.283504	-1.77009	0.076712	0.453344	ENSMUSG0 Gpd1
ENSMUSG0	746.2175	-0.28406	0.160502	-1.76982	0.076758	0.453391	ENSMUSG0 Fndc10
ENSMUSG0	5015.773	0.493016	0.278578	1.76976	0.076767	0.453391	ENSMUSG0 Myh9
ENSMUSG0	7.638166	-1.63666	0.92502	-1.76932	0.07684	0.453672	ENSMUSG0 Gm37268
ENSMUSG0	730.4117	0.400698	0.226496	1.769116	0.076875	0.453672	ENSMUSG0 Pxn
ENSMUSG0	3.975451	1.503254	0.849752	1.76905	0.076886	0.453672	ENSMUSG0 Edar
ENSMUSG0	1516.659	0.199123	0.112599	1.768426	0.07699	0.454147	ENSMUSG0 Rubcn
ENSMUSG0	533.8152	-0.37351	0.211284	-1.76782	0.077091	0.454548	ENSMUSG0 Tmem128
ENSMUSG0	20.80741	0.805479	0.455683	1.767633	0.077122	0.454548	ENSMUSG0 Calhm5
ENSMUSG0	4839.823	-0.29209	0.165248	-1.7676	0.077128	0.454548	ENSMUSG0 Hid1
ENSMUSG0	1193.581	-0.18906	0.106972	-1.76741	0.07716	0.454594	ENSMUSG0 Grin1
ENSMUSG0	24.48295	1.251015	0.707994	1.766987	0.07723	0.45487	ENSMUSG0 Ryr3
ENSMUSG0	20.05995	-0.75652	0.428181	-1.76683	0.077257	0.454886	ENSMUSG0 Gm34680
ENSMUSG0	29.77818	0.882957	0.499786	1.76667	0.077283	0.454904	ENSMUSG0 Col11a1
ENSMUSG0	243.7564	0.439676	0.248917	1.766357	0.077336	0.455055	ENSMUSG0 Zfp365

ENSMUSG0	5.439608	1.580245	0.894754	1.766121	0.077376	0.455055	ENSMUSG0 Fgf20
ENSMUSG0	182.0243	0.606761	0.343561	1.766093	0.07738	0.455055	ENSMUSG0 Cit
ENSMUSG0	1547.954	-0.28537	0.161595	-1.76592	0.077409	0.455083	ENSMUSG0 Arl2bp
ENSMUSG0	242.7944	0.525083	0.297428	1.765413	0.077494	0.45517	ENSMUSG0 Gprc5b
ENSMUSG0	767.3352	0.3615	0.204777	1.765335	0.077507	0.45517	ENSMUSG0 Glis2
ENSMUSG0	835.4307	0.317614	0.179918	1.765322	0.07751	0.45517	ENSMUSG0 Efemp2
ENSMUSG0	492.8922	-0.32965	0.18674	-1.76527	0.077518	0.45517	ENSMUSG0 Al413582
ENSMUSG0	298.8225	-0.36388	0.20628	-1.76402	0.077729	0.456272	ENSMUSG0 Leng9
ENSMUSG0	6.981881	1.120854	0.6355	1.763737	0.077776	0.456407	ENSMUSG0 Pgr
ENSMUSG0	29.53869	-0.57518	0.326186	-1.76336	0.077839	0.456636	ENSMUSG0 Noxred1
ENSMUSG0	241.504	0.382037	0.216691	1.763053	0.077892	0.456805	ENSMUSG0 Pwwp2b
ENSMUSG0	28.24429	1.616702	0.917119	1.762805	0.077933	0.456911	ENSMUSG0 Mmrn1
ENSMUSG0	529.3063	0.363858	0.206438	1.762552	0.077976	0.456937	ENSMUSG0 Gca
ENSMUSG0	15.65957	1.766575	1.002313	1.762498	0.077985	0.456937	ENSMUSG0 Shisa3
ENSMUSG0	214.1405	0.3371	0.191278	1.762354	0.07801	0.45694	ENSMUSG0 Tekt2
ENSMUSG0	94.47246	-1.82188	1.033896	-1.76215	0.078044	0.457006	ENSMUSG0 Cdc3p
ENSMUSG0	397.0727	0.306176	0.173773	1.761932	0.078081	0.45708	ENSMUSG0 Casp8
ENSMUSG0	36.254	-0.69266	0.393157	-1.76178	0.078107	0.457092	ENSMUSG0 Asb16
ENSMUSG0	12.60849	-1.98246	1.125404	-1.76155	0.078145	0.457175	ENSMUSG0 Tmem253
ENSMUSG0	143.9693	-0.45287	0.257109	-1.76139	0.078172	0.457194	ENSMUSG0 Tmem241
ENSMUSG0	2151.152	-0.39905	0.226594	-1.76106	0.078229	0.457309	ENSMUSG0 Cacna1d
ENSMUSG0	808.0028	0.393617	0.22352	1.760997	0.078239	0.457309	ENSMUSG0 Siae
ENSMUSG0	147.1927	0.991961	0.56338	1.760732	0.078284	0.457432	ENSMUSG0 Plxnc1
ENSMUSG0	3.69998	1.684953	0.957693	1.759387	0.078512	0.458625	ENSMUSG0 Ccdc170
ENSMUSG0	421.1554	-0.25592	0.145514	-1.75875	0.07862	0.459117	ENSMUSG0 Zcchc9
ENSMUSG0	525.1711	-0.41043	0.2334	-1.7585	0.078663	0.459228	ENSMUSG0 Pocr
ENSMUSG0	423.8289	0.360292	0.204921	1.758204	0.078713	0.459381	ENSMUSG0 Kalrn
ENSMUSG0	7.364366	-1.07467	0.611403	-1.75771	0.078798	0.459736	ENSMUSG0 Gm42814
ENSMUSG0	1274.468	-0.23753	0.135166	-1.75736	0.078857	0.459942	ENSMUSG0 Dnaja3
ENSMUSG0	88.42962	0.869117	0.494838	1.756366	0.079026	0.460789	ENSMUSG0 Adam11
ENSMUSG0	11.35727	0.794706	0.45268	1.755559	0.079164	0.461261	ENSMUSG0 Gm44645
ENSMUSG0	4912.034	-0.25456	0.145013	-1.75546	0.079181	0.461261	ENSMUSG0 Rab1a
ENSMUSG0	24.78254	-0.89305	0.508769	-1.75532	0.079205	0.461261	ENSMUSG0 Gm31812
ENSMUSG0	5301.461	-0.26247	0.149538	-1.75517	0.07923	0.461261	ENSMUSG0 Slc3a2
ENSMUSG0	84.27991	0.80411	0.458139	1.755166	0.079231	0.461261	ENSMUSG0 Paqr6
ENSMUSG0	112.9277	-0.35889	0.204506	-1.75494	0.07927	0.461261	ENSMUSG0 Alyref2
ENSMUSG0	50.18796	-0.61649	0.351292	-1.75491	0.079275	0.461261	ENSMUSG0 Gm36445
ENSMUSG0	14.8364	1.169103	0.666341	1.754511	0.079343	0.461293	ENSMUSG0 Gnb3
ENSMUSG0	1050.662	0.499484	0.284687	1.754499	0.079345	0.461293	ENSMUSG0 Sun2
ENSMUSG0	149.9097	0.511764	0.291705	1.754389	0.079364	0.461293	ENSMUSG0 Nxph1
ENSMUSG0	31.36551	0.82711	0.471471	1.754318	0.079376	0.461293	ENSMUSG0 Gm12216
ENSMUSG0	122.1033	0.590623	0.336717	1.754063	0.07942	0.461406	ENSMUSG0 Phyh1
ENSMUSG0	235.1795	0.353977	0.202029	1.752114	0.079754	0.463148	ENSMUSG0 Ska2
ENSMUSG0	2122.579	-0.31324	0.178786	-1.75204	0.079768	0.463148	ENSMUSG0 Srprb
ENSMUSG0	11.64785	1.192985	0.680973	1.751883	0.079794	0.463161	ENSMUSG0 Gm50331
ENSMUSG0	39.57425	0.547259	0.312508	1.751186	0.079914	0.46364	ENSMUSG0 Gm5148
ENSMUSG0	2749.283	0.706184	0.403275	1.751121	0.079925	0.46364	ENSMUSG0 Uchl1
ENSMUSG0	20.61907	0.944453	0.539384	1.750983	0.079949	0.46364	ENSMUSG0 Sntg2
ENSMUSG0	453.0018	-0.40472	0.231177	-1.75067	0.080002	0.463811	ENSMUSG0 Zc3h6
ENSMUSG0	671.5793	0.441803	0.252391	1.750471	0.080037	0.463872	ENSMUSG0 Uba6
ENSMUSG0	979.9297	-0.26838	0.153349	-1.75015	0.080093	0.463942	ENSMUSG0 Srsf9
ENSMUSG0	16.10414	0.792129	0.452614	1.750122	0.080097	0.463942	ENSMUSG0 Gm14004

ENSMUSG0	503.8447	-0.46066	0.2633	-1.74957	0.080193	0.464356	ENSMUSG0Tmem179b
ENSMUSG0	63.10349	-0.61394	0.350975	-1.74923	0.080252	0.464556	ENSMUSG0 Mesp2
ENSMUSG0	277.5571	0.425413	0.243231	1.749006	0.08029	0.464599	ENSMUSG0 Srgap1
ENSMUSG0	5.640994	2.038941	1.165838	1.748906	0.080307	0.464599	ENSMUSG0 Myo1h
ENSMUSG0	636.5273	0.602089	0.344315	1.748655	0.080351	0.464659	ENSMUSG0 Nfkb2
ENSMUSG0	4.662306	-1.42577	0.815391	-1.74857	0.080366	0.464659	ENSMUSG0 Gtf2a1l
ENSMUSG0	1143.836	-0.25228	0.144319	-1.7481	0.080446	0.464984	ENSMUSG0 Chchd3
ENSMUSG0	59.74553	0.81924	0.468801	1.747522	0.080547	0.465345	ENSMUSG0 Minar1
ENSMUSG0	511.6802	0.21184	0.121227	1.747462	0.080557	0.465345	ENSMUSG0 Cables2
ENSMUSG0	454.2517	-0.3408	0.195065	-1.74712	0.080617	0.465519	ENSMUSG0 Ptprm
ENSMUSG0	10.52847	1.409482	0.806797	1.747009	0.080636	0.465519	ENSMUSG0 Gm2990
ENSMUSG0	625.7286	-0.25925	0.148436	-1.74655	0.080715	0.465647	ENSMUSG0 Mterf3
ENSMUSG0	2870.065	-0.27893	0.159709	-1.74648	0.080727	0.465647	ENSMUSG0 Ampd2
ENSMUSG0	5.60851	1.388652	0.795122	1.746463	0.080731	0.465647	ENSMUSG0 B3gnt4
ENSMUSG0	43.17978	0.645003	0.369376	1.746197	0.080777	0.465712	ENSMUSG0 Castor1
ENSMUSG0	6446.49	-0.37288	0.213562	-1.74602	0.080808	0.465712	ENSMUSG0 Pcbp2
ENSMUSG0	3.077421	2.099788	1.202642	1.74598	0.080814	0.465712	ENSMUSG0 Nt5c1a
ENSMUSG0	31.7965	-0.98128	0.562158	-1.74556	0.080887	0.465978	ENSMUSG0 Gm38025
ENSMUSG0	5.380678	-1.42756	0.817894	-1.74541	0.080914	0.465978	ENSMUSG0C230085N1
ENSMUSG0	918.6175	-0.34293	0.196486	-1.7453	0.080933	0.465978	ENSMUSG0 Zdhhc7
ENSMUSG0	220.9663	-1.47019	0.842721	-1.74457	0.081059	0.466517	ENSMUSG0 Glis2
ENSMUSG0	57.72049	0.744149	0.426574	1.74448	0.081075	0.466517	ENSMUSG0 A4galt
ENSMUSG0	19.28178	1.077593	0.617904	1.74395	0.081168	0.466617	ENSMUSG0 Hgf
ENSMUSG0	228.3382	-0.39468	0.226328	-1.74385	0.081185	0.466617	ENSMUSG0 B3galt4
ENSMUSG0	4.173524	-1.70046	0.975208	-1.74369	0.081213	0.466617	ENSMUSG0 Gm36955
ENSMUSG0	116.4023	0.96183	0.55161	1.743677	0.081215	0.466617	ENSMUSG0 Glipr2
ENSMUSG0	2690.247	-0.39507	0.226574	-1.74366	0.081219	0.466617	ENSMUSG0 Btg3
ENSMUSG0	187.438	-0.38604	0.221409	-1.74355	0.081238	0.466617	ENSMUSG0 Adal
ENSMUSG0	618.008	-0.36608	0.210039	-1.74294	0.081345	0.46706	ENSMUSG0 Agbl5
ENSMUSG0	1658.994	-0.3421	0.196293	-1.74283	0.081364	0.46706	ENSMUSG0 Tbc1d15
ENSMUSG0	1543.584	-0.22309	0.128029	-1.74253	0.081416	0.467202	ENSMUSG0 Ext2
ENSMUSG0	1173.448	-0.43993	0.252485	-1.74241	0.081437	0.467202	ENSMUSG0 Mtus1
ENSMUSG0	437.2633	-0.44453	0.255185	-1.742	0.081508	0.467471	ENSMUSG0 Mrps28
ENSMUSG0	1596.02	0.37814	0.217193	1.741032	0.081678	0.468304	ENSMUSG0 Serinc5
ENSMUSG0	4.285004	1.494826	0.858795	1.740609	0.081752	0.468589	ENSMUSG0 Gm15867
ENSMUSG0	79.268	2.900634	1.666588	1.740463	0.081778	0.468596	ENSMUSG0 Actg2
ENSMUSG0	1995.127	-0.1806	0.103798	-1.73997	0.081865	0.468844	ENSMUSG0 Cant1
ENSMUSG0	126.334	0.412119	0.236863	1.739908	0.081875	0.468844	ENSMUSG0 Mbd4
ENSMUSG0	127.3626	0.399257	0.229496	1.739713	0.08191	0.468844	ENSMUSG0 Rhpn1
ENSMUSG0	233.6152	-0.3277	0.188372	-1.73966	0.081918	0.468844	ENSMUSG0 Lin54
ENSMUSG0	81.14236	0.374246	0.215161	1.739373	0.081969	0.468994	ENSMUSG0 Fam78b
ENSMUSG0	1472.274	-0.27643	0.158946	-1.73911	0.082015	0.469116	ENSMUSG0 Marchf5
ENSMUSG0	9036.858	-0.23871	0.13731	-1.73849	0.082125	0.46949	ENSMUSG0 Rpn1
ENSMUSG0	676.8125	0.410618	0.236213	1.738337	0.082151	0.46949	ENSMUSG0 Ptpn13
ENSMUSG0	204.7893	0.480602	0.276474	1.738326	0.082153	0.46949	ENSMUSG0 Scn3b
ENSMUSG0	17.21663	-0.91449	0.526176	-1.73799	0.082213	0.469693	ENSMUSG0 Gm45104
ENSMUSG0	4381.376	-0.50365	0.289888	-1.7374	0.082316	0.470042	ENSMUSG0 Sec61b
ENSMUSG0	7.149022	-0.94276	0.542672	-1.73725	0.082342	0.470042	ENSMUSG0C2310040G0
ENSMUSG0	1394.257	0.348939	0.20087	1.737141	0.082362	0.470042	ENSMUSG0 Scoc
ENSMUSG0	623.4249	0.385538	0.221946	1.737084	0.082372	0.470042	ENSMUSG0 Ptpnk
ENSMUSG0	3.924279	-1.90154	1.094836	-1.73683	0.082418	0.470164	ENSMUSG0 Gm45872
ENSMUSG0	952.3717	-0.31951	0.18401	-1.73638	0.082497	0.470406	ENSMUSG0 Slc35c1

ENSMUSG0	50.62959	0.948384	0.546207	1.736308	0.082509	0.470406	ENSMUSG0	Egfl8
ENSMUSG0	185.4029	0.587917	0.338659	1.736013	0.082562	0.470486	ENSMUSG0	Aass
ENSMUSG0	72.22098	0.518686	0.298791	1.735952	0.082572	0.470486	ENSMUSG0	Map3k19
ENSMUSG0	21.35652	-1.39928	0.806235	-1.73558	0.082639	0.470724	ENSMUSG0	Nkx6-3
ENSMUSG0	1519.283	0.473061	0.272598	1.735383	0.082673	0.470781	ENSMUSG0	Slc8a1
ENSMUSG0	836.0774	0.438733	0.252849	1.735157	0.082713	0.470869	ENSMUSG0	Kif3a
ENSMUSG0	2479.455	-0.39207	0.226041	-1.73451	0.082828	0.471385	ENSMUSG0	Gm10175
ENSMUSG0	993.5752	0.228812	0.131939	1.734222	0.082879	0.471533	ENSMUSG0	Imp4
ENSMUSG0	368.6484	-0.35526	0.204876	-1.73403	0.082912	0.471584	ENSMUSG0	H2bc6
ENSMUSG0	86.61784	0.56283	0.324608	1.733877	0.08294	0.471602	ENSMUSG0	C1qtnf5
ENSMUSG0	95.62363	0.677684	0.390971	1.733334	0.083036	0.472011	ENSMUSG0	Uhrf1
ENSMUSG0	172.1962	-0.51731	0.298494	-1.73305	0.083087	0.472159	ENSMUSG0	Acer2
ENSMUSG0	69.8046	0.543209	0.313575	1.732306	0.083219	0.472683	ENSMUSG0	Zfp712
ENSMUSG0	9069.653	-1.44978	0.836935	-1.73226	0.083228	0.472683	ENSMUSG0	Pdia2
ENSMUSG0	390.5622	-0.60272	0.348103	-1.73145	0.083371	0.473238	ENSMUSG0	Rnf150
ENSMUSG0	230.9493	-0.80641	0.465748	-1.73143	0.083375	0.473238	ENSMUSG0	Ppic
ENSMUSG0	214.5492	-0.29188	0.168602	-1.73119	0.083418	0.473344	ENSMUSG0	1700030K0
ENSMUSG0	512.1183	0.461444	0.266594	1.730885	0.083472	0.473409	ENSMUSG0	Plekhm3
ENSMUSG0	256.0687	0.732587	0.423258	1.730829	0.083482	0.473409	ENSMUSG0	Rftn1
ENSMUSG0	421.4965	0.299612	0.173115	1.730709	0.083504	0.473409	ENSMUSG0	Lrsam1
ENSMUSG0	14.29356	-4.04791	2.339334	-1.73037	0.083564	0.473515	ENSMUSG0	Ighv1-4
ENSMUSG0	9.835938	-1.34565	0.777722	-1.73025	0.083586	0.473515	ENSMUSG0	Ceacam10
ENSMUSG0	62.01686	0.734145	0.424329	1.730134	0.083606	0.473515	ENSMUSG0	Mdk
ENSMUSG0	88.69246	-0.41799	0.241616	-1.72999	0.083632	0.473515	ENSMUSG0	Ccdc122
ENSMUSG0	27.35138	0.679624	0.392865	1.729915	0.083645	0.473515	ENSMUSG0	Ankef1
ENSMUSG0	43.02068	0.758746	0.438644	1.729752	0.083675	0.473541	ENSMUSG0	Gm49601
ENSMUSG0	1015.468	-0.28039	0.162143	-1.72927	0.08376	0.473887	ENSMUSG0	Naxd
ENSMUSG0	77.55267	-0.63136	0.365314	-1.72827	0.08394	0.474761	ENSMUSG0	Itga10
ENSMUSG0	41.18287	-0.65493	0.379175	-1.72724	0.084124	0.475666	ENSMUSG0	Gm17084
ENSMUSG0	134.4589	0.592983	0.343363	1.726984	0.08417	0.475787	ENSMUSG0	Sh3bp2
ENSMUSG0	271.7611	-0.34984	0.20262	-1.72658	0.084243	0.476056	ENSMUSG0	Zfp938
ENSMUSG0	3046.089	0.242533	0.140535	1.725793	0.084385	0.476663	ENSMUSG0	Ywhah
ENSMUSG0	5.367353	1.574833	0.912641	1.725578	0.084423	0.476663	ENSMUSG0	Dcc
ENSMUSG0	723.4667	0.388442	0.225122	1.725478	0.084441	0.476663	ENSMUSG0	B4gat1
ENSMUSG0	68.03817	0.379897	0.220178	1.725408	0.084454	0.476663	ENSMUSG0	Pdss1
ENSMUSG0	144.6387	0.759063	0.439961	1.725296	0.084474	0.476663	ENSMUSG0	Pdlim4
ENSMUSG0	440.548	-0.30011	0.174025	-1.72453	0.084612	0.477244	ENSMUSG0	Dnal4
ENSMUSG0	974.384	-0.25666	0.148844	-1.72438	0.08464	0.477244	ENSMUSG0	Shc2
ENSMUSG0	77.81186	0.65795	0.381573	1.724312	0.084652	0.477244	ENSMUSG0	Prkg1
ENSMUSG0	570.7271	0.209753	0.121671	1.723937	0.084719	0.477486	ENSMUSG0	Vezt
ENSMUSG0	429.7018	0.364881	0.211746	1.7232	0.084852	0.477907	ENSMUSG0	Itpk1
ENSMUSG0	231.2005	0.52675	0.305707	1.723056	0.084878	0.477907	ENSMUSG0	Usp28
ENSMUSG0	105.1481	-0.51418	0.298435	-1.72292	0.084903	0.477907	ENSMUSG0	BC051226
ENSMUSG0	1516.637	-0.24736	0.143577	-1.72287	0.084912	0.477907	ENSMUSG0	Dnajc1
ENSMUSG0	69.43329	0.495672	0.287707	1.722836	0.084918	0.477907	ENSMUSG0	Ephb3
ENSMUSG0	12.01958	-0.99286	0.576371	-1.7226	0.084961	0.478004	ENSMUSG0	Gm43830
ENSMUSG0	68.12563	-0.43376	0.251828	-1.72245	0.084988	0.478004	ENSMUSG0	Gm45769
ENSMUSG0	1088.665	0.326002	0.189294	1.722194	0.085034	0.478004	ENSMUSG0	Stat6
ENSMUSG0	113.728	0.610729	0.354634	1.722139	0.085044	0.478004	ENSMUSG0	Hectd2
ENSMUSG0	1282.704	-0.30421	0.176658	-1.72205	0.08506	0.478004	ENSMUSG0	Nt5dc2
ENSMUSG0	487.8248	1.255247	0.729038	1.721786	0.085108	0.478138	ENSMUSG0	Mylk
ENSMUSG0	6.358683	1.379926	0.801853	1.720921	0.085265	0.478879	ENSMUSG0	Henmt1

ENSMUSG0	165.3267	0.944281	0.54887	1.720411	0.085358	0.479249	ENSMUSG0 Tstd1
ENSMUSG0	1050.787	-0.53431	0.310594	-1.72028	0.085381	0.479249	ENSMUSG0 Dhx34
ENSMUSG0	97.59078	-0.5079	0.295314	-1.71987	0.085456	0.479532	ENSMUSG0 Tmem220
ENSMUSG0	159.078	-0.51806	0.301355	-1.7191	0.085597	0.479882	ENSMUSG0 Gm14685
ENSMUSG0	16.90681	-0.68477	0.398346	-1.71905	0.085606	0.479882	ENSMUSG0 Gm9530
ENSMUSG0	828.717	-0.28645	0.166632	-1.71903	0.085608	0.479882	ENSMUSG0 Rnf126
ENSMUSG0	281.6987	-0.76963	0.447749	-1.71889	0.085634	0.479882	ENSMUSG0 Slc46a1
ENSMUSG0	1670.759	-0.32539	0.189338	-1.71856	0.085694	0.479882	ENSMUSG0 Nectin3
ENSMUSG0	955.9255	-0.33326	0.193925	-1.71853	0.085701	0.479882	ENSMUSG0 Sytl1
ENSMUSG0	2178.606	-0.46985	0.273408	-1.71848	0.085708	0.479882	ENSMUSG0 Plekhg3
ENSMUSG0	16.34005	-0.77555	0.451313	-1.71843	0.085718	0.479882	ENSMUSG0 Krtap16-1
ENSMUSG0	6.152189	-1.31537	0.76554	-1.71822	0.085756	0.479953	ENSMUSG0 Gm38297
ENSMUSG0	47.84509	1.062939	0.618718	1.717969	0.085802	0.480061	ENSMUSG0 Rspo2
ENSMUSG0	334.0555	0.311121	0.181121	1.717756	0.085841	0.480061	ENSMUSG0 Ajm1
ENSMUSG0	5.286658	1.59186	0.926735	1.717708	0.08585	0.480061	ENSMUSG0 Megf11
ENSMUSG0	910.0493	0.430096	0.250662	1.715839	0.086192	0.481456	ENSMUSG0 Rhou
ENSMUSG0	390.2442	0.30612	0.178414	1.71578	0.086202	0.481456	ENSMUSG0 Dnmbp
ENSMUSG0	708.2696	-0.38161	0.222417	-1.71574	0.08621	0.481456	ENSMUSG0 Ccdc9b
ENSMUSG0	236.9412	-0.50418	0.29386	-1.7157	0.086217	0.481456	ENSMUSG0 Ttc32
ENSMUSG0	149331.6	-1.59136	0.927622	-1.71552	0.086249	0.481456	ENSMUSG0 Cpb1
ENSMUSG0	1141.276	-0.39653	0.231144	-1.71552	0.08625	0.481456	ENSMUSG0 Pex2
ENSMUSG0	99.63627	0.793352	0.462581	1.715055	0.086335	0.481793	ENSMUSG0 Dennd1c
ENSMUSG0	660.8581	-0.35498	0.20702	-1.7147	0.086401	0.481923	ENSMUSG0 Dpm2
ENSMUSG0	77.28119	0.876091	0.510984	1.714519	0.086433	0.481923	ENSMUSG0 Fam169b
ENSMUSG0	22.44154	1.492309	0.870427	1.714458	0.086445	0.481923	ENSMUSG0 Thbs4
ENSMUSG0	1931.81	-0.20991	0.122444	-1.71438	0.086459	0.481923	ENSMUSG0 Ppme1
ENSMUSG0	21.69149	1.06803	0.623089	1.71409	0.086512	0.481923	ENSMUSG0 Cyp4x1
ENSMUSG0	46.0593	0.730856	0.426404	1.714	0.086529	0.481923	ENSMUSG0 Slc6a15
ENSMUSG0	19.03876	0.971007	0.566563	1.713857	0.086555	0.481923	ENSMUSG0 Tead4
ENSMUSG0	183.0009	0.564421	0.329351	1.713738	0.086577	0.481923	ENSMUSG0 Mtus2
ENSMUSG0	4.967362	-2.24862	1.312144	-1.7137	0.086584	0.481923	ENSMUSG0 Myh13
ENSMUSG0	3.986248	1.689988	0.986327	1.713416	0.086636	0.482049	ENSMUSG0 Rsph14
ENSMUSG0	11.15667	1.045884	0.610448	1.713304	0.086657	0.482049	ENSMUSG0 Trpc7
ENSMUSG0	747.7711	-0.30605	0.178654	-1.71311	0.086692	0.482106	ENSMUSG0 Cnnm2
ENSMUSG0	578.3946	0.491093	0.286703	1.712899	0.086731	0.482185	ENSMUSG0 Dennd4b
ENSMUSG0	53.75957	0.810513	0.473257	1.712627	0.086781	0.482198	ENSMUSG0 Phospho1
ENSMUSG0	342.7885	-0.42318	0.2471	-1.71261	0.086785	0.482198	ENSMUSG0 Fam174c
ENSMUSG0	4.281207	-1.87298	1.093806	-1.71235	0.086833	0.482198	ENSMUSG0 Gm14863
ENSMUSG0	3.966679	-1.56262	0.912561	-1.71234	0.086834	0.482198	ENSMUSG0 Gm43527
ENSMUSG0	342.3368	0.501407	0.292853	1.712142	0.08687	0.482263	ENSMUSG0 Tspoap1
ENSMUSG0	265.3093	-0.42119	0.246036	-1.7119	0.086916	0.482375	ENSMUSG0 Kbtbd3
ENSMUSG0	5.6751	1.397027	0.816244	1.711532	0.086983	0.482475	ENSMUSG0 Gckr
ENSMUSG0	241.0929	0.781867	0.456824	1.711527	0.086984	0.482475	ENSMUSG0 Angptl2
ENSMUSG0	606.8802	-0.33138	0.193636	-1.71137	0.087014	0.4825	ENSMUSG0 Brms1
ENSMUSG0	566.1442	-0.29784	0.17412	-1.71054	0.087165	0.48308	ENSMUSG0 Cln3
ENSMUSG0	547.7561	-0.43159	0.252313	-1.71053	0.087168	0.48308	ENSMUSG0 Gm44250
ENSMUSG0	1066.671	0.322698	0.188669	1.710392	0.087193	0.48308	ENSMUSG0 Selenoi
ENSMUSG0	395.0893	-0.60356	0.353005	-1.70979	0.087305	0.483557	ENSMUSG0 Klf15
ENSMUSG0	348.4017	-0.3211	0.187906	-1.70884	0.08748	0.484387	ENSMUSG0 Hibch
ENSMUSG0	29.2937	-0.67732	0.396395	-1.7087	0.087507	0.484396	ENSMUSG0 Nlrp5-ps
ENSMUSG0	10.57068	1.089905	0.63799	1.708342	0.087573	0.484624	ENSMUSG0 Gli1
ENSMUSG0	651.9828	-0.48379	0.28325	-1.70799	0.087637	0.484723	ENSMUSG0 Nop10

ENSMUSG0	340.0592	-0.26662	0.156114	-1.70784	0.087666	0.484723	ENSMUSG0	Slc9a9
ENSMUSG0	117.297	0.368459	0.215746	1.707838	0.087666	0.484723	ENSMUSG0	E2f3
ENSMUSG0	554.9475	0.638762	0.374048	1.707702	0.087692	0.484723	ENSMUSG0	Csf1r
ENSMUSG0	75.29331	-0.65615	0.384294	-1.70743	0.087742	0.484796	ENSMUSG0	Frem2
ENSMUSG0	31.584	0.870053	0.509629	1.707229	0.08778	0.484796	ENSMUSG0	Kcnt1
ENSMUSG0	483.6654	-0.29431	0.172401	-1.70711	0.087802	0.484796	ENSMUSG0	Tha1
ENSMUSG0	946.7757	-0.23731	0.139026	-1.70695	0.087831	0.484796	ENSMUSG0	Atg2b
ENSMUSG0	638.9377	-0.4358	0.255327	-1.70681	0.087857	0.484796	ENSMUSG0	Ciao2a
ENSMUSG0	32.34449	0.708399	0.415083	1.706643	0.087888	0.484796	ENSMUSG0	Fbxl7
ENSMUSG0	320.3269	-0.42966	0.25177	-1.70656	0.087904	0.484796	ENSMUSG0	C1qtnf12
ENSMUSG0	22.74474	0.77822	0.456068	1.706368	0.08794	0.484796	ENSMUSG0	AA465934
ENSMUSG0	2059.811	-0.29277	0.171584	-1.70628	0.087955	0.484796	ENSMUSG0	Cpn1
ENSMUSG0	440.3944	-0.2404	0.140894	-1.70627	0.087957	0.484796	ENSMUSG0	Cpped1
ENSMUSG0	2072.001	0.281824	0.165188	1.706081	0.087993	0.484796	ENSMUSG0	Ahi1
ENSMUSG0	3224.662	-0.24401	0.143041	-1.70587	0.088031	0.484796	ENSMUSG0	Vdac1
ENSMUSG0	406.5252	0.365775	0.214422	1.705869	0.088032	0.484796	ENSMUSG0	Mcm4
ENSMUSG0	580.0118	0.363971	0.213401	1.705568	0.088089	0.484966	ENSMUSG0	Pmm1
ENSMUSG0	1409.049	-0.66619	0.390749	-1.7049	0.088213	0.485353	ENSMUSG0	Bhlha15
ENSMUSG0	18.60596	1.116247	0.654773	1.704785	0.088234	0.485353	ENSMUSG0	Calr4
ENSMUSG0	98.06671	-0.58741	0.34463	-1.70448	0.088292	0.485446	ENSMUSG0	G730003C1
ENSMUSG0	236.6994	0.653181	0.383255	1.704296	0.088326	0.485446	ENSMUSG0	Abca8a
ENSMUSG0	75.3607	1.049855	0.616008	1.704289	0.088327	0.485446	ENSMUSG0	Fam78a
ENSMUSG0	85.54748	0.492856	0.289346	1.703348	0.088503	0.486273	ENSMUSG0	Klhl29
ENSMUSG0	3.634753	-1.39727	0.820548	-1.70285	0.088596	0.486632	ENSMUSG0	Gm9918
ENSMUSG0	66.05088	-0.47646	0.279819	-1.70273	0.088619	0.486632	ENSMUSG0	Zfp335os
ENSMUSG0	7.047927	-1.74087	1.022552	-1.70247	0.088666	0.486666	ENSMUSG0	Gm43877
ENSMUSG0	413.1325	-0.30114	0.176887	-1.70243	0.088676	0.486666	ENSMUSG0	Gstm4
ENSMUSG0	118.472	0.967059	0.568162	1.702083	0.08874	0.486879	ENSMUSG0	C1ql2
ENSMUSG0	25.56689	-0.62672	0.368344	-1.70145	0.088859	0.487392	ENSMUSG0	A930029G2
ENSMUSG0	652.2771	0.588639	0.346073	1.700909	0.08896	0.48781	ENSMUSG0	Il4ra
ENSMUSG0	74.69467	-2.11722	1.245245	-1.70025	0.089085	0.488221	ENSMUSG0	Slc30a2
ENSMUSG0	71.00055	-0.99864	0.587384	-1.70015	0.089103	0.488221	ENSMUSG0	Crybg2
ENSMUSG0	70.76829	0.37497	0.220557	1.700104	0.089111	0.488221	ENSMUSG0	Otof
ENSMUSG0	155.2438	0.531305	0.3126	1.699633	0.0892	0.488568	ENSMUSG0	Chst8
ENSMUSG0	2930.82	-0.19377	0.114064	-1.69876	0.089364	0.489326	ENSMUSG0	Psmd3
ENSMUSG0	4438.927	-0.23634	0.139188	-1.69798	0.089511	0.489993	ENSMUSG0	Ahcyl1
ENSMUSG0	4.434599	1.532847	0.903119	1.697281	0.089643	0.490578	ENSMUSG0	Gm44421
ENSMUSG0	110.7179	0.579401	0.341466	1.696806	0.089733	0.490931	ENSMUSG0	Inmt
ENSMUSG0	26.96577	0.81607	0.481036	1.696483	0.089794	0.491125	ENSMUSG0	Fam181b
ENSMUSG0	947.6372	0.447882	0.26407	1.696074	0.089872	0.491203	ENSMUSG0	Atp2b2
ENSMUSG0	128.6193	0.531412	0.313332	1.696003	0.089885	0.491203	ENSMUSG0	Gm20683
ENSMUSG0	59.60649	0.999031	0.589185	1.695617	0.089958	0.491387	ENSMUSG0	Tlx2
ENSMUSG0	489.6527	0.467116	0.275495	1.695556	0.08997	0.491387	ENSMUSG0	Plin3
ENSMUSG0	140.2883	0.275341	0.162418	1.695263	0.090026	0.49155	ENSMUSG0	Spats2
ENSMUSG0	3.648086	2.728788	1.609793	1.695117	0.090053	0.491562	ENSMUSG0	Glp2r
ENSMUSG0	1013.676	-0.27766	0.163833	-1.69478	0.090118	0.491651	ENSMUSG0	Fuca2
ENSMUSG0	230.7932	0.547666	0.32316	1.694723	0.090128	0.491651	ENSMUSG0	Cyp2d22
ENSMUSG0	685.9161	0.378534	0.223385	1.69454	0.090163	0.491651	ENSMUSG0	Mgat5
ENSMUSG0	197.3729	0.300527	0.177363	1.694422	0.090185	0.491651	ENSMUSG0	Cilk1
ENSMUSG0	1465.665	-0.2397	0.141487	-1.69411	0.090244	0.491651	ENSMUSG0	5031439G0
ENSMUSG0	30.48813	0.831247	0.490683	1.694061	0.090254	0.491651	ENSMUSG0	Spdl1
ENSMUSG0	25.23414	0.73296	0.432706	1.693898	0.090285	0.491651	ENSMUSG0	9530026P0

ENSMUSG0	369.7726	0.959115	0.566223	1.693884	0.090287	0.491651	ENSMUSG0 Anxa13
ENSMUSG0	1608.584	-0.30496	0.180055	-1.69372	0.090319	0.491651	ENSMUSG0 Mtmr7
ENSMUSG0	2060.071	-0.37232	0.219831	-1.69369	0.090325	0.491651	ENSMUSG0 Igf1r
ENSMUSG0	871.7486	-0.24528	0.14484	-1.69346	0.090368	0.491746	ENSMUSG0 Zfp330
ENSMUSG0	235.783	-0.53449	0.315695	-1.69305	0.090446	0.492007	ENSMUSG0 Retsat
ENSMUSG0	55.92279	-0.74221	0.438427	-1.69289	0.090475	0.492007	ENSMUSG01810024B0
ENSMUSG0	1564.773	-0.39891	0.235656	-1.69276	0.090501	0.492007	ENSMUSG0 Ankhd1
ENSMUSG0	535.8729	-0.44915	0.265363	-1.6926	0.090532	0.492007	ENSMUSG0 Gm10053
ENSMUSG0	876.1408	-0.27549	0.16277	-1.69253	0.090544	0.492007	ENSMUSG0 Vegfb
ENSMUSG0	3540.832	-0.39824	0.235312	-1.69238	0.090574	0.492033	ENSMUSG0 H2az1
ENSMUSG0	297.0356	0.399839	0.236358	1.691664	0.09071	0.492617	ENSMUSG0 Nab2
ENSMUSG0	15.64664	0.985054	0.582367	1.691466	0.090748	0.492617	ENSMUSG0 SrpX2
ENSMUSG0	21.31032	1.52526	0.901837	1.691281	0.090783	0.492617	ENSMUSG0 Cdh16
ENSMUSG0	3515.235	0.32503	0.192181	1.691275	0.090784	0.492617	ENSMUSG0 Parva
ENSMUSG0	3.385065	-1.38228	0.817597	-1.69066	0.090901	0.493007	ENSMUSG0 Gm48735
ENSMUSG0	61.67373	0.63149	0.373523	1.69063	0.090907	0.493007	ENSMUSG0 Col4a3
ENSMUSG0	230.1842	0.450407	0.266435	1.690495	0.090933	0.493008	ENSMUSG0 Zfp503
ENSMUSG0	25.60315	-0.80813	0.478086	-1.69035	0.09096	0.493015	ENSMUSG0 Gm26684
ENSMUSG0	291.9615	-0.3655	0.216274	-1.68998	0.091032	0.493245	ENSMUSG0 Zswim5
ENSMUSG0	12.10863	-0.87586	0.518302	-1.68986	0.091054	0.493245	ENSMUSG0 Tmem95
ENSMUSG0	410.7005	-0.26838	0.15883	-1.68971	0.091083	0.493262	ENSMUSG0 Erlin1
ENSMUSG0	756.082	-0.38427	0.227486	-1.68919	0.091183	0.493571	ENSMUSG0 Cib1
ENSMUSG0	117.7586	1.780743	1.054311	1.689012	0.091217	0.493571	ENSMUSG0 Cd8a
ENSMUSG0	656.2809	-0.24209	0.143341	-1.68895	0.09123	0.493571	ENSMUSG0 Zfp180
ENSMUSG0	230.9821	0.361117	0.213821	1.68888	0.091242	0.493571	ENSMUSG0 Herc6
ENSMUSG0	7.439533	-1.32048	0.781987	-1.68862	0.091292	0.493616	ENSMUSG0 Gm29019
ENSMUSG0	14.66063	-1.03154	0.610893	-1.68857	0.091302	0.493616	ENSMUSG0 Olfr46
ENSMUSG0	131.1211	0.449962	0.2665	1.688412	0.091332	0.49364	ENSMUSG0 Nek8
ENSMUSG0	335.403	-0.43454	0.257393	-1.68823	0.091367	0.49369	ENSMUSG0 C2cd2
ENSMUSG0	438.6574	-0.3632	0.215186	-1.68784	0.091442	0.493954	ENSMUSG0 Elovl6
ENSMUSG0	8.685213	-0.89424	0.529986	-1.68728	0.091549	0.494138	ENSMUSG0 Gm13341
ENSMUSG0	262.4658	0.446897	0.264865	1.687263	0.091553	0.494138	ENSMUSG0 Sim1
ENSMUSG0	10.99382	-1.43067	0.848056	-1.687	0.091603	0.494241	ENSMUSG01810007D1
ENSMUSG0	2313.975	-0.21434	0.127064	-1.6869	0.091623	0.494241	ENSMUSG0 Slc30a5
ENSMUSG0	1727.03	-0.26214	0.155459	-1.68625	0.091747	0.494615	ENSMUSG0 Mta1
ENSMUSG0	367.7274	0.551503	0.327064	1.686227	0.091752	0.494615	ENSMUSG0 Snhg4
ENSMUSG0	490.4663	0.411398	0.243989	1.686136	0.09177	0.494615	ENSMUSG0 Kihl8
ENSMUSG0	3.854966	-1.62612	0.964593	-1.6858	0.091834	0.494821	ENSMUSG0 Gm43604
ENSMUSG0	308.5705	-0.39263	0.23293	-1.68562	0.091869	0.494872	ENSMUSG0 Pon3
ENSMUSG0	263.4418	0.533132	0.316392	1.685038	0.091981	0.495339	ENSMUSG0 Arhgap27
ENSMUSG0	7.338541	1.106116	0.656557	1.684723	0.092042	0.495528	ENSMUSG0 Rbm3os
ENSMUSG0	9694.858	-1.20274	0.714415	-1.68354	0.092271	0.496381	ENSMUSG0 mt-Rnr1
ENSMUSG0	500.6115	0.279969	0.166301	1.683508	0.092277	0.496381	ENSMUSG0 Hyal2
ENSMUSG0	19.16395	0.854273	0.507468	1.683403	0.092297	0.496381	ENSMUSG0 Ticam2
ENSMUSG0	579.1375	-0.32671	0.19408	-1.68337	0.092304	0.496381	ENSMUSG0 Gal3st1
ENSMUSG0	9.214522	-0.86035	0.511359	-1.68248	0.092476	0.497169	ENSMUSG0 Gm47431
ENSMUSG0	12.88171	-0.78541	0.466894	-1.68219	0.092532	0.497323	ENSMUSG0 Rncr4
ENSMUSG0	798.7515	-0.4188	0.248989	-1.682	0.092568	0.497323	ENSMUSG0 Gtf2a2
ENSMUSG0	49.19084	0.589543	0.350526	1.68188	0.092592	0.497323	ENSMUSG0 Chst7
ENSMUSG0	3.138418	1.923745	1.143926	1.681704	0.092626	0.497323	ENSMUSG0 Cyp11a1
ENSMUSG0	6102.642	-0.21496	0.127831	-1.68162	0.092642	0.497323	ENSMUSG0 Sar1a
ENSMUSG0	1325.62	0.200855	0.119448	1.681531	0.09266	0.497323	ENSMUSG0 Pmpca

ENSMUSG0	2010.004	-0.18497	0.110036	-1.68102	0.092759	0.497611	ENSMUSG0 Akirin1
ENSMUSG0	35.80775	0.804983	0.478875	1.680987	0.092765	0.497611	ENSMUSG0 Kcnj10
ENSMUSG0	537.7052	0.510972	0.304066	1.680463	0.092867	0.497895	ENSMUSG0 Fosl2
ENSMUSG0	1009.366	-0.44671	0.265831	-1.68041	0.092877	0.497895	ENSMUSG0 Akt3
ENSMUSG0	3102.006	-0.2497	0.148607	-1.68029	0.092902	0.497895	ENSMUSG0 Fam20b
ENSMUSG0	156.9178	0.717929	0.427292	1.680183	0.092922	0.497895	ENSMUSG0 Aoc3
ENSMUSG0	1110.605	0.511222	0.30429	1.680048	0.092948	0.497896	ENSMUSG0 Serpinh1
ENSMUSG0	299.7479	0.35108	0.209001	1.679803	0.092996	0.498013	ENSMUSG0 Zfp90
ENSMUSG0	644.1712	0.295806	0.176147	1.679314	0.093091	0.498337	ENSMUSG0 Al661453
ENSMUSG0	45.43843	0.604248	0.35987	1.679071	0.093138	0.498337	ENSMUSG0 Mnd1
ENSMUSG0	18.4457	0.771257	0.459361	1.678977	0.093157	0.498337	ENSMUSG0 Tceal5
ENSMUSG0	21.63053	0.63798	0.379985	1.678961	0.09316	0.498337	ENSMUSG0 Luzp2
ENSMUSG0	983.675	-0.17388	0.103587	-1.67861	0.093229	0.49839	ENSMUSG0 Trappc12
ENSMUSG0	64.02564	0.482578	0.287495	1.678561	0.093238	0.49839	ENSMUSG0 Mtbp
ENSMUSG0	152.0446	0.541729	0.322744	1.678512	0.093247	0.49839	ENSMUSG0 Tspan18
ENSMUSG0	217.3392	1.056564	0.629622	1.678093	0.093329	0.498688	ENSMUSG0 Lat
ENSMUSG0	128.9328	0.650264	0.38763	1.677539	0.093437	0.499051	ENSMUSG0 Itm2a
ENSMUSG0	9.847059	1.113901	0.664121	1.677255	0.093493	0.499051	ENSMUSG0 Fbll1
ENSMUSG0	1378.041	-0.16904	0.100794	-1.67706	0.093531	0.499051	ENSMUSG0 Arl8a
ENSMUSG0	4285.73	-0.2948	0.175784	-1.67703	0.093536	0.499051	ENSMUSG0 Arf4
ENSMUSG0	454.5469	0.296002	0.176505	1.677015	0.09354	0.499051	ENSMUSG0 Cadps2
ENSMUSG0	1330.059	-0.25179	0.150149	-1.67695	0.093553	0.499051	ENSMUSG0 Washc5
ENSMUSG0	1202.893	-0.36615	0.218374	-1.67673	0.093596	0.499143	ENSMUSG0 B630019K0
ENSMUSG0	104.6036	-0.71694	0.427667	-1.67641	0.093659	0.49926	ENSMUSG0 Pbl1
ENSMUSG0	85392.33	-1.4876	0.887432	-1.6763	0.093679	0.49926	ENSMUSG0 Pnliprp1
ENSMUSG0	7.461031	1.012225	0.603894	1.676164	0.093706	0.49926	ENSMUSG0 Gm18180
ENSMUSG0	2182.532	-0.25094	0.149733	-1.67589	0.093761	0.49926	ENSMUSG0 Sh3glb1
ENSMUSG0	3.098948	2.557966	1.526458	1.675753	0.093787	0.49926	ENSMUSG0 Ppef1
ENSMUSG0	55.77831	0.623527	0.37209	1.675743	0.093788	0.49926	ENSMUSG0 Gm20554
ENSMUSG0	3589.432	-1.40502	0.838505	-1.67562	0.093813	0.49926	ENSMUSG0 Cuzd1
ENSMUSG0	7.582953	1.492506	0.890803	1.675462	0.093844	0.49926	ENSMUSG0 Trbv3
ENSMUSG0	283.4784	0.452543	0.270107	1.675423	0.093851	0.49926	ENSMUSG0 Bcl2
ENSMUSG0	59.78858	1.376233	0.821678	1.674906	0.093953	0.499404	ENSMUSG0 Cd28
ENSMUSG0	13340.83	-1.36618	0.815681	-1.6749	0.093954	0.499404	ENSMUSG0 Pnliprp2
ENSMUSG0	839.358	-0.1923	0.114815	-1.67489	0.093956	0.499404	ENSMUSG0 Prkag2
ENSMUSG0	40.03563	0.45129	0.269483	1.674649	0.094003	0.499515	ENSMUSG0 A330009N2
ENSMUSG0	3.365241	1.49109	0.890488	1.674465	0.094039	0.499569	ENSMUSG0 Ddx4
ENSMUSG0	4.498912	1.188939	0.710224	1.674034	0.094124	0.499723	ENSMUSG0 Gm13270
ENSMUSG0	7919.794	-0.41365	0.247103	-1.67398	0.094135	0.499723	ENSMUSG0 Fxyd6
ENSMUSG0	60.43875	0.737449	0.440552	1.673921	0.094146	0.499723	ENSMUSG0 Arhgap42
ENSMUSG0	2384.936	-0.29214	0.174565	-1.67352	0.094224	0.499953	ENSMUSG0 Fam193b
ENSMUSG0	944.2446	-0.48832	0.291807	-1.67344	0.094242	0.499953	ENSMUSG0 Tm2d1
ENSMUSG0	385.5649	0.300959	0.179888	1.67304	0.094319	0.500228	ENSMUSG0 Arhgap18
ENSMUSG0	747.6659	-0.24896	0.148834	-1.67272	0.094383	0.500332	ENSMUSG0 Wdr45
ENSMUSG0	3.702384	-1.91192	1.143028	-1.67268	0.094391	0.500332	ENSMUSG0 Gm19209
ENSMUSG0	1527.283	-0.40625	0.242925	-1.67231	0.094464	0.500582	ENSMUSG0 Ufl1
ENSMUSG0	199.6604	-0.42138	0.252023	-1.67198	0.094528	0.500661	ENSMUSG0 Coa4
ENSMUSG0	450.0041	0.36345	0.217384	1.671929	0.094538	0.500661	ENSMUSG0 Pspc1
ENSMUSG0	439.9949	0.951871	0.569388	1.671744	0.094575	0.500661	ENSMUSG0 Ikzf1
ENSMUSG0	27.46578	0.735857	0.440185	1.671701	0.094583	0.500661	ENSMUSG0 Lif
ENSMUSG0	294.1359	-0.40042	0.239617	-1.67108	0.094705	0.5009	ENSMUSG0 Hlf
ENSMUSG0	458.3582	0.324665	0.194291	1.671023	0.094717	0.5009	ENSMUSG0 Fez2

ENSMUSG0	31.56681	1.479503	0.885428	1.670946	0.094732	0.5009	ENSMUSG0 Themis
ENSMUSG0	37.72365	0.872462	0.522137	1.670945	0.094733	0.5009	ENSMUSG0 Cidea
ENSMUSG0	129.4935	0.564225	0.337713	1.670724	0.094776	0.500993	ENSMUSG0 Ccdc39
ENSMUSG0	17.29865	1.19862	0.717665	1.670166	0.094887	0.501375	ENSMUSG0 Fosl1
ENSMUSG0	218.4169	0.395375	0.236738	1.670095	0.094901	0.501375	ENSMUSG0 Kcnp4
ENSMUSG0	45.04502	0.507284	0.303846	1.669545	0.095009	0.501813	ENSMUSG0 Zfp583
ENSMUSG0	509.1378	-0.27033	0.161935	-1.66935	0.095049	0.501884	ENSMUSG0 Pigc
ENSMUSG0	13.50086	-1.1433	0.685003	-1.66905	0.095108	0.501994	ENSMUSG0 Gm28791
ENSMUSG0	8.646365	1.176926	0.705178	1.668977	0.095122	0.501994	ENSMUSG0 Gpr88
ENSMUSG0	27.88305	1.082876	0.649101	1.668269	0.095262	0.502155	ENSMUSG0 Runx2
ENSMUSG0	243.0813	0.392386	0.235216	1.668196	0.095277	0.502155	ENSMUSG0 Tlcd1
ENSMUSG0	267.1332	0.872568	0.523127	1.667985	0.095319	0.502155	ENSMUSG0 Efemp1
ENSMUSG0	12.81106	0.820869	0.492163	1.66788	0.095339	0.502155	ENSMUSG0 Gm15910
ENSMUSG0	231.4855	-0.30658	0.183826	-1.6678	0.095356	0.502155	ENSMUSG0 Porcn
ENSMUSG0	1963.8	-0.29047	0.174163	-1.66778	0.095359	0.502155	ENSMUSG0 Stk32a
ENSMUSG0	112.9891	-0.3869	0.231989	-1.66776	0.095363	0.502155	ENSMUSG0 C03003412
ENSMUSG0	78.4828	-0.39007	0.233902	-1.66768	0.09538	0.502155	ENSMUSG0 Nme4
ENSMUSG0	293.6417	0.711857	0.426866	1.667638	0.095388	0.502155	ENSMUSG0 Stk10
ENSMUSG0	1223.741	-0.43134	0.258679	-1.66747	0.095422	0.502199	ENSMUSG0 Jade3
ENSMUSG0	380.2104	0.278478	0.167041	1.66712	0.095491	0.502423	ENSMUSG0 P3h3
ENSMUSG0	288.8581	0.779158	0.46742	1.666935	0.095527	0.502478	ENSMUSG0 Vsir
ENSMUSG0	169469.5	-1.48622	0.89187	-1.66641	0.095632	0.502841	ENSMUSG0 Prss2
ENSMUSG0	838.3322	0.24931	0.14962	1.666282	0.095657	0.502841	ENSMUSG0 Anapc7
ENSMUSG0	1216.901	0.465402	0.27932	1.666195	0.095675	0.502841	ENSMUSG0 Neurl4
ENSMUSG0	1013.278	-0.32252	0.193598	-1.66591	0.095732	0.502896	ENSMUSG0 Nol7
ENSMUSG0	44.93393	0.583897	0.350504	1.66588	0.095737	0.502896	ENSMUSG0 Bub1
ENSMUSG0	911.4301	-0.33843	0.203201	-1.66548	0.095817	0.503174	ENSMUSG0 Vps29
ENSMUSG0	91.92204	-0.45089	0.270766	-1.66524	0.095865	0.503289	ENSMUSG0 AI429214
ENSMUSG0	410.2436	0.433936	0.260618	1.665026	0.095908	0.503377	ENSMUSG0 Selenbp1
ENSMUSG0	791.6759	-0.34636	0.20805	-1.66478	0.095956	0.503496	ENSMUSG0 Cpox
ENSMUSG0	429.4961	0.497474	0.298884	1.664436	0.096025	0.50372	ENSMUSG0 Pdlm1
ENSMUSG0	432.1243	0.754769	0.45351	1.664284	0.096056	0.503743	ENSMUSG0 Pik3cd
ENSMUSG0	79.4375	-0.51194	0.307676	-1.66389	0.096134	0.503924	ENSMUSG0 Agxt2
ENSMUSG0	33.86474	0.774233	0.46536	1.663728	0.096167	0.503924	ENSMUSG0 Pou3f1
ENSMUSG0	3.835424	1.89485	1.138925	1.663718	0.096169	0.503924	ENSMUSG0 Gm12407
ENSMUSG0	143.8827	-0.53338	0.320706	-1.66316	0.096281	0.504372	ENSMUSG0 Dnaic1
ENSMUSG0	769.649	0.468566	0.281883	1.662273	0.096458	0.504897	ENSMUSG0 Limch1
ENSMUSG0	5.836778	2.017807	1.213887	1.662269	0.096459	0.504897	ENSMUSG0 Pax1
ENSMUSG0	11.53785	1.138345	0.684837	1.662212	0.09647	0.504897	ENSMUSG0 Pcnx2
ENSMUSG0	10.18484	0.947561	0.570087	1.662134	0.096486	0.504897	ENSMUSG0 Zfp711
ENSMUSG0	39.59497	1.118184	0.672827	1.661918	0.096529	0.504986	ENSMUSG0 Susd5
ENSMUSG0	2153.132	-0.22694	0.1366	-1.66133	0.096647	0.505467	ENSMUSG0 Ptges3
ENSMUSG0	26.39622	-0.86197	0.518998	-1.66084	0.096746	0.505847	ENSMUSG0 Gm15327
ENSMUSG0	1165.232	-0.42367	0.255149	-1.66046	0.096821	0.506103	ENSMUSG0 Chst11
ENSMUSG0	4.739319	1.437291	0.865721	1.660223	0.09687	0.506216	ENSMUSG0 Arhgap20
ENSMUSG0	145426.5	-1.43632	0.865634	-1.65927	0.097062	0.507085	ENSMUSG0 Cela3b
ENSMUSG0	33.23683	-0.92434	0.557236	-1.65879	0.097158	0.507281	ENSMUSG0 Gm42444
ENSMUSG0	4.274332	-2.00888	1.211133	-1.65868	0.097181	0.507281	ENSMUSG0 Prok1
ENSMUSG0	6323.259	0.434098	0.261736	1.658538	0.097209	0.507281	ENSMUSG0 Zfp36
ENSMUSG0	202.0795	-0.34902	0.210458	-1.65838	0.097242	0.507281	ENSMUSG0 Phf7
ENSMUSG0	89.18122	-0.44862	0.270525	-1.65834	0.097249	0.507281	ENSMUSG0 1110006O2
ENSMUSG0	1634.727	-0.24833	0.149765	-1.65811	0.097296	0.507281	ENSMUSG0 Slc37a1

ENSMUSG0	55.0741	-1.08128	0.652145	-1.65804	0.097309	0.507281	ENSMUSG0 Abcc2
ENSMUSG0	330.1585	0.59379	0.358129	1.658034	0.097311	0.507281	ENSMUSG0 Slc39a10
ENSMUSG0	101.8992	0.47181	0.284645	1.657541	0.09741	0.507662	ENSMUSG0 Gm19461
ENSMUSG0	177.844	0.633619	0.382402	1.656946	0.09753	0.507929	ENSMUSG0 Col5a3
ENSMUSG0	600.5478	-0.31464	0.1899	-1.65688	0.097543	0.507929	ENSMUSG0 Camsap3
ENSMUSG0	6.419219	-1.39709	0.843238	-1.65682	0.097557	0.507929	ENSMUSG0 Gm19439
ENSMUSG0	165.678	-0.31913	0.192635	-1.65664	0.097593	0.507929	ENSMUSG0 Cyp2u1
ENSMUSG0	315.7571	0.432679	0.261192	1.656558	0.097609	0.507929	ENSMUSG0 Gan
ENSMUSG0	251.4132	-0.47553	0.287069	-1.6565	0.09762	0.507929	ENSMUSG0 Ndufb4
ENSMUSG0	445.9045	-0.31163	0.188161	-1.65616	0.097689	0.508032	ENSMUSG0 Polr3a
ENSMUSG0	5163.434	-0.26788	0.161747	-1.65615	0.097692	0.508032	ENSMUSG0 Rab7
ENSMUSG0	8.60848	-0.86314	0.521242	-1.65594	0.097735	0.508115	ENSMUSG0 Gm38102
ENSMUSG0	27.31922	1.231817	0.743999	1.655671	0.097788	0.508122	ENSMUSG0 Gm4759
ENSMUSG0	40.60596	0.514567	0.310809	1.655573	0.097808	0.508122	ENSMUSG04833445107
ENSMUSG0	40676.46	-1.44359	0.872043	-1.65541	0.097841	0.508122	ENSMUSG0 Rnase1
ENSMUSG0	260.1843	-0.44332	0.267804	-1.65541	0.097842	0.508122	ENSMUSG0 Gstk1
ENSMUSG0	7.972006	-1.12344	0.678792	-1.65506	0.097912	0.50835	ENSMUSG0 H2bc3
ENSMUSG0	48.50701	-0.57525	0.34764	-1.65473	0.09798	0.508468	ENSMUSG0 Ppp1r42
ENSMUSG0	42.8058	0.542293	0.327731	1.654688	0.097988	0.508468	ENSMUSG01700030J27
ENSMUSG0	86.77072	0.542089	0.327659	1.654431	0.09804	0.508603	ENSMUSG0 Pcdha12
ENSMUSG0	1376.396	-0.44271	0.267616	-1.65428	0.098071	0.508627	ENSMUSG0 Cebpg
ENSMUSG0	211.0201	0.576367	0.348511	1.653799	0.098168	0.508799	ENSMUSG0 Arap2
ENSMUSG0	138.1442	0.830375	0.50211	1.653773	0.098174	0.508799	ENSMUSG0 Pmaip1
ENSMUSG0	731.8487	-0.41026	0.248083	-1.65372	0.098184	0.508799	ENSMUSG0 Usp29
ENSMUSG0	4.590673	-2.06964	1.251662	-1.65351	0.098227	0.508833	ENSMUSG01700065D1
ENSMUSG0	156.9274	0.366986	0.221964	1.653354	0.098259	0.508833	ENSMUSG0 Igdcc4
ENSMUSG0	3.209662	1.85264	1.12057	1.653301	0.09827	0.508833	ENSMUSG0A830082K1
ENSMUSG0	3.617136	1.276583	0.77236	1.652833	0.098365	0.509189	ENSMUSG0 Ccdc150
ENSMUSG0	373.1107	-0.33854	0.204908	-1.65215	0.098504	0.5097	ENSMUSG0 Mrpl14
ENSMUSG0	302.6326	-0.46187	0.279596	-1.65191	0.098552	0.5097	ENSMUSG0 Gm45847
ENSMUSG0	435.6219	-0.5329	0.3226	-1.65189	0.098558	0.5097	ENSMUSG0 Dnajc19
ENSMUSG0	40.76374	0.770976	0.466741	1.651828	0.09857	0.5097	ENSMUSG0 Efs
ENSMUSG0	148.412	0.7688	0.465541	1.651412	0.098654	0.509808	ENSMUSG0 Bche
ENSMUSG0	1395.457	-0.26679	0.161559	-1.65137	0.098663	0.509808	ENSMUSG0 Unc5a
ENSMUSG0	4005.573	-0.23939	0.144966	-1.65134	0.09867	0.509808	ENSMUSG0 Gstz1
ENSMUSG0	14.75346	-0.90641	0.549109	-1.65069	0.098802	0.51028	ENSMUSG0 Gm19721
ENSMUSG0	123.3581	-0.45273	0.274289	-1.65054	0.098832	0.51028	ENSMUSG0 Pstpip2
ENSMUSG0	3.991135	1.454506	0.881269	1.650467	0.098847	0.51028	ENSMUSG0 Gm16487
ENSMUSG0	30.28424	-0.98268	0.59543	-1.65037	0.098867	0.51028	ENSMUSG01810020OC
ENSMUSG0	652.1496	-0.24822	0.150416	-1.65022	0.098897	0.510298	ENSMUSG0 Rpe
ENSMUSG0	849.1364	0.48599	0.294593	1.649697	0.099005	0.51065	ENSMUSG0 Apobec3
ENSMUSG0	62.62689	-0.61136	0.370605	-1.64963	0.099019	0.51065	ENSMUSG0 Wdr49
ENSMUSG0	809.3789	0.393526	0.238604	1.649283	0.09909	0.510794	ENSMUSG0 Dpp6
ENSMUSG0	6.941663	-1.1536	0.699475	-1.64923	0.0991	0.510794	ENSMUSG0 Gm9937
ENSMUSG0	4435.495	-0.17065	0.103495	-1.64884	0.09918	0.51107	ENSMUSG0 Amfr
ENSMUSG0	170.7516	-0.32297	0.195915	-1.64852	0.099245	0.51114	ENSMUSG0 Gm17251
ENSMUSG0	17.84757	0.795834	0.482795	1.64839	0.099273	0.51114	ENSMUSG0 Scube3
ENSMUSG0	281.2676	-0.39332	0.238612	-1.64838	0.099275	0.51114	ENSMUSG0 Mtres1
ENSMUSG0	2706.719	-0.48304	0.29306	-1.64826	0.0993	0.51114	ENSMUSG0 Trib1
ENSMUSG0	5.979917	-1.02536	0.622206	-1.64794	0.099365	0.511302	ENSMUSG0 Gm21960
ENSMUSG0	49.90405	-0.45486	0.276031	-1.64785	0.099384	0.511302	ENSMUSG0B230369F2
ENSMUSG0	926.2863	-0.31486	0.191113	-1.64749	0.099457	0.511508	ENSMUSG0 Adam9

ENSMUSG0	318.2703	0.28463	0.172776	1.647392	0.099478	0.511508	ENSMUSG0 Bok
ENSMUSG0	932.1496	-0.19949	0.121117	-1.64708	0.099542	0.51167	ENSMUSG0 G6pc3
ENSMUSG0	181.0346	0.433917	0.263478	1.646877	0.099583	0.51167	ENSMUSG0 F2r
ENSMUSG0	779.8321	-0.28546	0.173345	-1.64677	0.099605	0.51167	ENSMUSG0 Plod1
ENSMUSG0	10.20207	1.849454	1.123238	1.646538	0.099653	0.51167	ENSMUSG0 Chst4
ENSMUSG0	809.4397	0.374959	0.22774	1.646435	0.099674	0.51167	ENSMUSG0 Synpr
ENSMUSG0	1580.176	-0.37021	0.224868	-1.64636	0.099691	0.51167	ENSMUSG0 Pex7
ENSMUSG0	92.78285	0.360827	0.21917	1.646333	0.099695	0.51167	ENSMUSG04933412E1
ENSMUSG0	146.788	-0.51903	0.315402	-1.6456	0.099846	0.512175	ENSMUSG0 BC037704
ENSMUSG0	3.55026	-1.38028	0.838791	-1.64556	0.099855	0.512175	ENSMUSG0Rps15a-ps6
ENSMUSG0	3.142117	1.719179	1.044829	1.645417	0.099884	0.512175	ENSMUSG0 Plxna4os1
ENSMUSG0	2294.53	-0.61064	0.371153	-1.64524	0.09992	0.512175	ENSMUSG0 Bod1l
ENSMUSG0	274.6204	-0.32596	0.198156	-1.64499	0.099972	0.512175	ENSMUSG0 Cradd
ENSMUSG0	4463.236	-0.27691	0.168339	-1.64497	0.099975	0.512175	ENSMUSG0 Eif3b
ENSMUSG0	967.2643	-0.2543	0.154606	-1.6448	0.100012	0.512175	ENSMUSG0 Ddx49
ENSMUSG0	7184.321	-0.2525	0.15353	-1.64466	0.100039	0.512175	ENSMUSG0 Adgrg1
ENSMUSG0	1565.57	-0.25828	0.15705	-1.6446	0.100053	0.512175	ENSMUSG0 Ankrd54
ENSMUSG0	2489.765	-0.20016	0.121713	-1.64454	0.100065	0.512175	ENSMUSG0 Suds3
ENSMUSG0	644.5582	0.315212	0.191702	1.644284	0.100118	0.512175	ENSMUSG0 Magi1
ENSMUSG0	202.1005	-0.36457	0.221725	-1.64422	0.10013	0.512175	ENSMUSG0 Lsm10
ENSMUSG0	5.594285	1.46195	0.889169	1.644176	0.10014	0.512175	ENSMUSG0 Npy4r
ENSMUSG0	554.3936	-0.34082	0.20733	-1.64384	0.10021	0.51236	ENSMUSG0 Chrac1
ENSMUSG0	20.59463	0.71663	0.435974	1.643743	0.100229	0.51236	ENSMUSG09330162G0
ENSMUSG0	244.0396	0.734063	0.44662	1.643594	0.10026	0.512381	ENSMUSG0 Gsta3
ENSMUSG0	1194.011	0.454691	0.276666	1.643465	0.100287	0.512381	ENSMUSG0 Arpc1b
ENSMUSG0	252.3196	0.381662	0.232278	1.643124	0.100357	0.512606	ENSMUSG0 Ctxn1
ENSMUSG0	2364.253	-0.25182	0.15331	-1.64257	0.100472	0.513027	ENSMUSG0 Ei24
ENSMUSG0	50863.5	-0.48204	0.293499	-1.64241	0.100506	0.513027	ENSMUSG0 Gm10925
ENSMUSG0	281.6772	0.558721	0.340198	1.642338	0.10052	0.513027	ENSMUSG0 S1pr3
ENSMUSG0	10.03526	-1.18878	0.724065	-1.64181	0.100629	0.513225	ENSMUSG0 Gm43137
ENSMUSG0	1465.043	0.192157	0.117045	1.641743	0.100643	0.513225	ENSMUSG0 Carhsp1
ENSMUSG0	93.75716	0.670516	0.408428	1.641701	0.100652	0.513225	ENSMUSG0 Pdzd2
ENSMUSG0	2353.123	-0.19243	0.117226	-1.64155	0.100682	0.513225	ENSMUSG0 Strap
ENSMUSG0	911.1008	0.23714	0.14447	1.641454	0.100703	0.513225	ENSMUSG0 Arhgef3
ENSMUSG0	5.855754	-1.2226	0.745057	-1.64095	0.100807	0.513225	ENSMUSG0 Gm37568
ENSMUSG0	29.77777	1.184537	0.721877	1.640912	0.100816	0.513225	ENSMUSG0 Myb
ENSMUSG0	716.3387	-0.37918	0.231101	-1.64075	0.100849	0.513225	ENSMUSG0 Mrpl30
ENSMUSG0	224.3961	-0.23312	0.14208	-1.64073	0.100854	0.513225	ENSMUSG0 Zfp764
ENSMUSG0	285.622	0.741749	0.452113	1.640626	0.100875	0.513225	ENSMUSG0 Tnxb
ENSMUSG0	4083.543	-0.31133	0.189766	-1.64062	0.100876	0.513225	ENSMUSG0 Kdelr2
ENSMUSG0	623.0052	-0.32265	0.196664	-1.64061	0.100879	0.513225	ENSMUSG0 Uhrf1bp1
ENSMUSG0	24.72393	1.104313	0.673212	1.640365	0.100929	0.513346	ENSMUSG0 Sbspon
ENSMUSG0	75.93204	-0.43504	0.26525	-1.64011	0.100981	0.513425	ENSMUSG0 Ttc34
ENSMUSG0	488.1583	-0.25895	0.157917	-1.6398	0.101046	0.513425	ENSMUSG0 Gmcl1
ENSMUSG0	74.89794	0.614058	0.374542	1.63949	0.101111	0.513425	ENSMUSG0 Sox7
ENSMUSG0	5802.372	-0.39581	0.241449	-1.63929	0.101152	0.513425	ENSMUSG0 Manf
ENSMUSG0	2982.757	-0.54442	0.332108	-1.63928	0.101156	0.513425	ENSMUSG0 Creg1
ENSMUSG0	14.12	1.244778	0.759401	1.639158	0.10118	0.513425	ENSMUSG0 Gm44423
ENSMUSG0	395.9365	-0.22711	0.138562	-1.63906	0.1012	0.513425	ENSMUSG0 Tdp2
ENSMUSG0	46.74804	-0.61252	0.373709	-1.63903	0.101206	0.513425	ENSMUSG0 Gm48267
ENSMUSG0	252.4362	-0.39543	0.241283	-1.63887	0.101241	0.513425	ENSMUSG0 Prorp
ENSMUSG0	2025.987	-0.31571	0.192644	-1.63884	0.101248	0.513425	ENSMUSG0 Dpp9

ENSMUSG0	40.46208	-0.4928	0.300745	-1.6386	0.101297	0.513425	ENSMUSG0	Gm29054
ENSMUSG0	27.94334	0.619106	0.377833	1.638569	0.101303	0.513425	ENSMUSG0	C030037D0
ENSMUSG0	9916.967	-0.4289	0.261755	-1.63856	0.101304	0.513425	ENSMUSG0	Tmed3
ENSMUSG0	14.91309	-0.70677	0.431355	-1.63849	0.101319	0.513425	ENSMUSG0	Gm6978
ENSMUSG0	385.3388	-0.50331	0.30722	-1.63827	0.101364	0.513433	ENSMUSG0	Zbtb48
ENSMUSG0	16.66376	-0.80399	0.490766	-1.63823	0.101373	0.513433	ENSMUSG0	Gm43857
ENSMUSG0	38.74908	-0.49551	0.302635	-1.63732	0.101564	0.51406	ENSMUSG0	6330408M
ENSMUSG0	32.37379	-0.69222	0.422802	-1.63723	0.101583	0.51406	ENSMUSG0	Gm30015
ENSMUSG0	826.2866	-0.27143	0.165812	-1.63697	0.101636	0.51406	ENSMUSG0	Gpr180
ENSMUSG0	874.4688	-0.39509	0.241378	-1.63681	0.10167	0.51406	ENSMUSG0	Zfp9
ENSMUSG0	4.358925	-1.35366	0.82707	-1.6367	0.101693	0.51406	ENSMUSG0	Gm37962
ENSMUSG0	16.95392	0.944017	0.576855	1.63649	0.101737	0.51406	ENSMUSG0	Arl14
ENSMUSG0	515.449	-0.26237	0.160335	-1.63638	0.10176	0.51406	ENSMUSG0	Zfp655
ENSMUSG0	23.06483	0.946519	0.578458	1.63628	0.101781	0.51406	ENSMUSG0	Chrdl1
ENSMUSG0	198.5232	-0.45445	0.27774	-1.63624	0.101789	0.51406	ENSMUSG0	Gnb1l
ENSMUSG0	129.5233	-0.35703	0.218204	-1.63623	0.101792	0.51406	ENSMUSG0	E130311K1
ENSMUSG0	177.0677	-0.34012	0.207903	-1.63598	0.101844	0.51406	ENSMUSG0	Ndor1
ENSMUSG0	3.20703	-1.76264	1.077422	-1.63598	0.101845	0.51406	ENSMUSG0	Gm42588
ENSMUSG0	40.38888	1.10272	0.674412	1.635083	0.102032	0.514616	ENSMUSG0	Sh2b2
ENSMUSG0	8.32227	1.049786	0.642046	1.635062	0.102036	0.514616	ENSMUSG0	Ccdc169
ENSMUSG0	496.9708	-0.33631	0.205686	-1.63504	0.10204	0.514616	ENSMUSG0	Ifrd2
ENSMUSG0	177.7701	0.310243	0.189758	1.634939	0.102062	0.514616	ENSMUSG0	Lacc1
ENSMUSG0	1355.521	-0.45584	0.278837	-1.63478	0.102095	0.51465	ENSMUSG0	Abca5
ENSMUSG0	149.6882	0.401373	0.245558	1.634536	0.102146	0.514761	ENSMUSG0	Rgma
ENSMUSG0	5493.867	-0.34736	0.212528	-1.63442	0.102171	0.514761	ENSMUSG0	Madd
ENSMUSG0	274.5768	0.471647	0.288605	1.634232	0.10221	0.514781	ENSMUSG0	Trim47
ENSMUSG0	4716.253	-0.21204	0.129759	-1.63415	0.102228	0.514781	ENSMUSG0	Ctbp1
ENSMUSG0	901.644	0.465884	0.285169	1.63371	0.10232	0.515107	ENSMUSG0	Gria2
ENSMUSG0	4310.603	0.311965	0.190999	1.633331	0.102399	0.515373	ENSMUSG0	Col4a1
ENSMUSG0	903.8553	-0.54778	0.335438	-1.63303	0.102463	0.515558	ENSMUSG0	Tmem132b
ENSMUSG0	151.3898	0.300174	0.183847	1.63274	0.102524	0.515729	ENSMUSG0	Morn1
ENSMUSG0	337.0927	-0.4614	0.282672	-1.63229	0.102619	0.515782	ENSMUSG0	Snhg17
ENSMUSG0	54.09368	-1.11056	0.680396	-1.63223	0.102631	0.515782	ENSMUSG0	Galnt6os
ENSMUSG0	14.75136	0.839974	0.514672	1.632057	0.102668	0.515782	ENSMUSG0	Drp2
ENSMUSG0	12.01125	1.059368	0.649175	1.631868	0.102707	0.515782	ENSMUSG0	Vash2
ENSMUSG0	3071.145	-0.23414	0.143498	-1.63166	0.102752	0.515782	ENSMUSG0	Sqle
ENSMUSG0	17.30628	-0.70234	0.430465	-1.63159	0.102767	0.515782	ENSMUSG0	Gm20274
ENSMUSG0	7.128587	1.02301	0.627116	1.631292	0.102829	0.515782	ENSMUSG0	4933424M
ENSMUSG0	18.90299	0.929645	0.569887	1.631279	0.102832	0.515782	ENSMUSG0	Zeb2os
ENSMUSG0	968.8046	-0.25137	0.154102	-1.63119	0.10285	0.515782	ENSMUSG0	Vps50
ENSMUSG0	2500.876	-0.19106	0.117131	-1.63118	0.102853	0.515782	ENSMUSG0	Tmem184b
ENSMUSG0	904.7966	-0.34342	0.210537	-1.63117	0.102855	0.515782	ENSMUSG0	Slc35a1
ENSMUSG0	56.74314	-0.45176	0.276955	-1.63116	0.102856	0.515782	ENSMUSG0	Gm12500
ENSMUSG0	2520.856	0.283163	0.17366	1.630557	0.102984	0.516081	ENSMUSG0	Anapc2
ENSMUSG0	378.3675	0.702747	0.431016	1.630443	0.103008	0.516081	ENSMUSG0	Tmem254c
ENSMUSG0	49.72664	-0.63856	0.391697	-1.63023	0.103053	0.516081	ENSMUSG0	E030030I0
ENSMUSG0	30.96804	0.862768	0.529254	1.630157	0.103068	0.516081	ENSMUSG0	Obscn
ENSMUSG0	257.3371	-0.33621	0.206254	-1.63009	0.103082	0.516081	ENSMUSG0	Commd10
ENSMUSG0	2621.92	0.249673	0.153166	1.630086	0.103083	0.516081	ENSMUSG0	Rhpn2
ENSMUSG0	776.8635	0.334449	0.20519	1.629943	0.103114	0.516081	ENSMUSG0	Glrbl
ENSMUSG0	736.2564	-0.23696	0.145395	-1.62976	0.103153	0.516081	ENSMUSG0	Fam53a
ENSMUSG0	4.011728	-1.51138	0.927378	-1.62974	0.103157	0.516081	ENSMUSG0	Gm48632

ENSMUSG0	637.6422	-0.25039	0.153685	-1.62926	0.103257	0.516303	ENSMUSG0	Acid
ENSMUSG0	4.385745	-1.50208	0.921944	-1.62926	0.103259	0.516303	ENSMUSG0	4930533D0
ENSMUSG0	421.5957	-0.27261	0.167337	-1.6291	0.103291	0.516303	ENSMUSG0	Mmaa
ENSMUSG0	184.509	1.975556	1.212727	1.629019	0.103309	0.516303	ENSMUSG0	Gm43951
ENSMUSG0	458.2191	0.395941	0.243082	1.628833	0.103348	0.516317	ENSMUSG0	Cat
ENSMUSG0	126.5578	0.479047	0.29419	1.628362	0.103448	0.516317	ENSMUSG0	Egr2
ENSMUSG0	661.8672	-0.6015	0.36939	-1.62835	0.10345	0.516317	ENSMUSG0	mt-Nd6
ENSMUSG0	502.3044	-0.54847	0.336833	-1.62832	0.103457	0.516317	ENSMUSG0	Aqp4
ENSMUSG0	368.647	-0.30645	0.18821	-1.62824	0.103474	0.516317	ENSMUSG0	Setd6
ENSMUSG0	1835.454	-0.39248	0.24108	-1.628	0.103525	0.516317	ENSMUSG0	Sepsecs
ENSMUSG0	1159.704	-0.29091	0.178706	-1.62788	0.10355	0.516317	ENSMUSG0	Brpf3
ENSMUSG0	18.62297	-0.86719	0.532745	-1.62777	0.103573	0.516317	ENSMUSG0	Gm43307
ENSMUSG0	453.6466	-0.66766	0.41017	-1.62775	0.103577	0.516317	ENSMUSG0	Aldh1l2
ENSMUSG0	719.4528	-0.31948	0.196278	-1.62768	0.103593	0.516317	ENSMUSG0	Irf2
ENSMUSG0	206.335	0.694899	0.426944	1.627613	0.103607	0.516317	ENSMUSG0	Kbtbd11
ENSMUSG0	6.187707	1.114475	0.685125	1.626674	0.103806	0.517177	ENSMUSG0	Draxin
ENSMUSG0	2163.457	-0.24716	0.151999	-1.62607	0.103934	0.51755	ENSMUSG0	Rnf141
ENSMUSG0	934.4153	-0.39379	0.242175	-1.62607	0.103935	0.51755	ENSMUSG0	Mrps24
ENSMUSG0	317.5555	0.622593	0.382921	1.625905	0.10397	0.51759	ENSMUSG0	Relb
ENSMUSG0	41.39338	-0.58927	0.362681	-1.62476	0.104213	0.51843	ENSMUSG0	Gm45623
ENSMUSG0	554.9958	-0.23158	0.142535	-1.62476	0.104214	0.51843	ENSMUSG0	Cdkn2aip
ENSMUSG0	788.1957	-0.23326	0.143579	-1.62464	0.104239	0.51843	ENSMUSG0	Pcid2
ENSMUSG0	7.997921	2.440336	1.502109	1.624606	0.104247	0.51843	ENSMUSG0	Xirp1
ENSMUSG0	14.43903	-0.93342	0.574722	-1.62412	0.10435	0.518738	ENSMUSG0	Gm20627
ENSMUSG0	7.151908	1.103346	0.679374	1.624063	0.104362	0.518738	ENSMUSG0	BaalC
ENSMUSG0	4.142627	1.320407	0.813133	1.623852	0.104407	0.518827	ENSMUSG0	Gm14546
ENSMUSG0	1244.943	-0.2698	0.16619	-1.62345	0.104494	0.519122	ENSMUSG0	Slc25a46
ENSMUSG0	2017.879	-0.25148	0.154936	-1.62309	0.104571	0.51937	ENSMUSG0	Ppp4r1l-ps
ENSMUSG0	317.5604	-1.36715	0.84275	-1.62225	0.10475	0.520127	ENSMUSG0	Hsd17b13
ENSMUSG0	55.33067	-0.72887	0.449377	-1.62196	0.104811	0.520267	ENSMUSG0	Bambi-ps1
ENSMUSG0	656.3972	-0.33141	0.204341	-1.62186	0.104832	0.520267	ENSMUSG0	Phf10
ENSMUSG0	346.5398	0.793845	0.489517	1.621689	0.10487	0.520319	ENSMUSG0	Plet1
ENSMUSG0	52.71376	0.519324	0.320277	1.621482	0.104914	0.520405	ENSMUSG0	Lncppara
ENSMUSG0	2533.049	0.239829	0.147961	1.620896	0.10504	0.520894	ENSMUSG0	Spryd3
ENSMUSG0	186.9754	0.781284	0.482057	1.620731	0.105075	0.520936	ENSMUSG0	Ppp1r3c
ENSMUSG0	10.76523	1.364387	0.841938	1.620531	0.105118	0.520945	ENSMUSG0	Gpr83
ENSMUSG0	3.520974	1.896425	1.170373	1.620359	0.105155	0.520945	ENSMUSG0	Lef1os1
ENSMUSG0	41.53202	-1.04116	0.642553	-1.62034	0.105159	0.520945	ENSMUSG0	Nr1i2
ENSMUSG0	3.587384	1.870444	1.154532	1.620088	0.105213	0.521022	ENSMUSG0	Gm42583
ENSMUSG0	55.06203	0.769782	0.475169	1.620019	0.105228	0.521022	ENSMUSG0	Iqgap3
ENSMUSG0	517.9101	-0.34219	0.211297	-1.61949	0.105342	0.521451	ENSMUSG0	Lactb2
ENSMUSG0	1248.459	-0.27636	0.170664	-1.61933	0.105376	0.521466	ENSMUSG0	Scamp4
ENSMUSG0	6617.928	0.271296	0.167547	1.619223	0.105399	0.521466	ENSMUSG0	Ywhaz
ENSMUSG0	105.7243	0.675194	0.417029	1.619056	0.105435	0.52151	ENSMUSG0	Micall2
ENSMUSG0	1305.662	-0.20697	0.127858	-1.61871	0.10551	0.521643	ENSMUSG0	Tom1
ENSMUSG0	19.44587	0.73068	0.451421	1.618621	0.105529	0.521643	ENSMUSG0	Gm9899
ENSMUSG0	1115.193	-0.42908	0.265109	-1.61849	0.105557	0.521643	ENSMUSG0	Kat14
ENSMUSG0	1030.602	-0.32267	0.199372	-1.61843	0.105571	0.521643	ENSMUSG0	Nod1
ENSMUSG0	12.67016	-0.9069	0.560486	-1.61806	0.10565	0.521901	ENSMUSG0	Gm43318
ENSMUSG0	19.54575	-0.74737	0.461997	-1.6177	0.105728	0.522051	ENSMUSG0	5730405O1
ENSMUSG0	52.83512	-0.392	0.242357	-1.61747	0.105777	0.522051	ENSMUSG0	Rab39
ENSMUSG0	4.747658	-2.46396	1.523455	-1.61735	0.105803	0.522051	ENSMUSG0	Marcks11-p

ENSMUSG0	522.8789	-1.75061	1.082612	-1.61702	0.105874	0.522051	ENSMUSG0 Gm5771
ENSMUSG0	42.67362	0.75926	0.469649	1.616656	0.105953	0.522051	ENSMUSG0 Srl
ENSMUSG0	101.5207	0.716719	0.443349	1.616603	0.105964	0.522051	ENSMUSG0 Angptl4
ENSMUSG0	382.0861	-0.61976	0.383373	-1.6166	0.105965	0.522051	ENSMUSG0 Xlr3a
ENSMUSG0	62.09491	-0.5329	0.329651	-1.61656	0.105973	0.522051	ENSMUSG0 Gm13420
ENSMUSG0	196.7816	0.564527	0.34923	1.616493	0.105988	0.522051	ENSMUSG0 Cdc42ep2
ENSMUSG0	231.5379	-0.33675	0.208331	-1.61644	0.106	0.522051	ENSMUSG02810006K2
ENSMUSG0	137.0556	0.668014	0.413272	1.616401	0.106008	0.522051	ENSMUSG0 Gbp6
ENSMUSG0	739.256	-0.35239	0.21802	-1.61632	0.106026	0.522051	ENSMUSG0 Rce1
ENSMUSG0	654.0569	-0.33926	0.209902	-1.61628	0.106033	0.522051	ENSMUSG0 Trappc6a
ENSMUSG0	391.9961	0.202502	0.125305	1.616071	0.106079	0.522143	ENSMUSG0 Pomk
ENSMUSG0	887.0932	0.316475	0.195852	1.615892	0.106118	0.5222	ENSMUSG0 Rab6b
ENSMUSG0	263859.2	-1.53632	0.950974	-1.61552	0.106198	0.52234	ENSMUSG0 Try4
ENSMUSG0	651.4802	-0.34397	0.212946	-1.6153	0.106247	0.52234	ENSMUSG0 Ankrd33b
ENSMUSG0	386.9428	0.494836	0.306368	1.615171	0.106274	0.52234	ENSMUSG0 Rasgrf2
ENSMUSG0	23.80178	-0.8463	0.523974	-1.61515	0.106279	0.52234	ENSMUSG0 Gm15712
ENSMUSG0	452.1773	-0.52082	0.32246	-1.61513	0.106282	0.52234	ENSMUSG0 RbmX2
ENSMUSG0	296.9441	0.511954	0.317051	1.614736	0.106368	0.522513	ENSMUSG0 Nfkbie
ENSMUSG0	93.11893	0.491651	0.304484	1.614703	0.106375	0.522513	ENSMUSG0 Cercam
ENSMUSG0	123.8247	0.529072	0.327695	1.614527	0.106413	0.522513	ENSMUSG0 Enpp1
ENSMUSG0	12.27752	1.251301	0.77509	1.614395	0.106442	0.522513	ENSMUSG0 Crhr1
ENSMUSG0	216.8394	-0.51011	0.315988	-1.61434	0.106453	0.522513	ENSMUSG0 Itgb3bp
ENSMUSG0	329.4176	-0.44672	0.276744	-1.6142	0.106484	0.522534	ENSMUSG01300002E1
ENSMUSG0	232.8394	-0.39617	0.245538	-1.6135	0.106637	0.523148	ENSMUSG0 Fzd7
ENSMUSG0	61.26969	0.519616	0.322098	1.613223	0.106696	0.523305	ENSMUSG0 Rnf152
ENSMUSG0	2246.606	-0.24948	0.154686	-1.61283	0.106782	0.523594	ENSMUSG0 Akap8l
ENSMUSG0	283.6342	-0.40326	0.250062	-1.61262	0.106827	0.523682	ENSMUSG0 Rpp21
ENSMUSG0	3590.634	-0.2354	0.145993	-1.61239	0.106878	0.523744	ENSMUSG0 Nrd1
ENSMUSG0	3096.126	-0.35023	0.21722	-1.61231	0.106895	0.523744	ENSMUSG0 Tef
ENSMUSG0	1302.694	-0.42207	0.261803	-1.61216	0.106927	0.523744	ENSMUSG0 Fmn12
ENSMUSG0	1850.907	-0.36285	0.225085	-1.61206	0.106949	0.523744	ENSMUSG0 Rgs11
ENSMUSG0	171.4627	0.373855	0.231985	1.611548	0.10706	0.524157	ENSMUSG0 Mill2
ENSMUSG0	244.6803	0.301056	0.186864	1.611095	0.107159	0.524165	ENSMUSG0 Tpgs2
ENSMUSG0	5673.676	-0.34306	0.212942	-1.61107	0.107165	0.524165	ENSMUSG0 Rpl29
ENSMUSG0	7.371969	1.450393	0.900279	1.611049	0.107169	0.524165	ENSMUSG0 Gm15787
ENSMUSG0	121.0975	-0.52294	0.32464	-1.61083	0.107216	0.524165	ENSMUSG0 Tnfrsf9
ENSMUSG0	3.942639	1.643187	1.020101	1.610809	0.107221	0.524165	ENSMUSG0 Cacng5
ENSMUSG0	115.0333	0.516396	0.320588	1.610778	0.107228	0.524165	ENSMUSG0 Hpgd
ENSMUSG0	34.5614	0.841019	0.522177	1.610602	0.107266	0.524165	ENSMUSG0 Gfpt2
ENSMUSG0	3144.803	-0.21139	0.131261	-1.61043	0.107305	0.524165	ENSMUSG0 Arl8b
ENSMUSG0	117.0066	-0.47286	0.293628	-1.61042	0.107307	0.524165	ENSMUSG0 Ftl1-ps1
ENSMUSG0	242.0231	-0.49615	0.308119	-1.61026	0.107342	0.5242	ENSMUSG0 Nat8f1
ENSMUSG0	921.2511	-0.28895	0.17948	-1.60993	0.107413	0.524414	ENSMUSG0 Tfdp1
ENSMUSG0	633.6781	-0.24729	0.15363	-1.60964	0.107477	0.524592	ENSMUSG0 Rsrc1
ENSMUSG0	338.9695	-0.31691	0.1969	-1.60949	0.107509	0.524617	ENSMUSG0 Slc12a5
ENSMUSG0	3.611917	1.404478	0.87279	1.609181	0.107577	0.524815	ENSMUSG0 Cfap65
ENSMUSG0	2076.595	0.325595	0.202368	1.60892	0.107634	0.524888	ENSMUSG0 Aatk
ENSMUSG0	6470.719	0.405316	0.251937	1.608796	0.107661	0.524888	ENSMUSG0 Flnb
ENSMUSG0	359.437	-0.51176	0.31811	-1.60874	0.107674	0.524888	ENSMUSG0 Efcab15
ENSMUSG0	241.7819	-0.3416	0.212428	-1.60806	0.107822	0.525444	ENSMUSG0 Nt5dc1
ENSMUSG0	35.97726	1.472736	0.915899	1.607968	0.107842	0.525444	ENSMUSG0 Dsc3
ENSMUSG0	821.6876	-0.24077	0.149769	-1.60762	0.107917	0.525677	ENSMUSG0 Traf6

ENSMUSG0	81.98975	-0.52428	0.32617	-1.60738	0.10797	0.525802	ENSMUSG04921531C2
ENSMUSG0	1577.054	-0.22656	0.140963	-1.60721	0.108008	0.525854	ENSMUSG0 Gclm
ENSMUSG0	933.156	-0.51615	0.321205	-1.60691	0.108073	0.526038	ENSMUSG0 Pop5
ENSMUSG0	413.3621	0.313254	0.194965	1.606722	0.108115	0.526074	ENSMUSG0 Pid1
ENSMUSG0	57.84851	0.524917	0.326719	1.60663	0.108136	0.526074	ENSMUSG0 Gm1976
ENSMUSG0	663.6835	-0.21127	0.131517	-1.6064	0.108186	0.526186	ENSMUSG0 Zdhhc6
ENSMUSG0	3630.711	-0.39613	0.246618	-1.60625	0.108219	0.526199	ENSMUSG0 Ufm1
ENSMUSG0	2459.447	-0.18289	0.113868	-1.60614	0.108243	0.526199	ENSMUSG0 Arfgap1
ENSMUSG0	3907.931	-0.36605	0.22795	-1.60583	0.108312	0.526295	ENSMUSG0 Unc80
ENSMUSG0	136.6067	-0.32181	0.200412	-1.60574	0.108331	0.526295	ENSMUSG0 Lmntd2
ENSMUSG0	10.99745	-1.6686	1.039289	-1.60552	0.108379	0.526295	ENSMUSG0 Trim50
ENSMUSG0	471.2614	0.432426	0.269348	1.605453	0.108394	0.526295	ENSMUSG0 Crybg1
ENSMUSG0	232.6852	0.531305	0.330943	1.605427	0.1084	0.526295	ENSMUSG0 Itrip
ENSMUSG0	82.69767	0.3886	0.242186	1.604554	0.108592	0.526776	ENSMUSG0 Psg16
ENSMUSG0	104.5364	0.670318	0.41777	1.604515	0.108601	0.526776	ENSMUSG0 Fli1
ENSMUSG0	1601.332	-0.23475	0.146305	-1.6045	0.108604	0.526776	ENSMUSG0 Ube2g2
ENSMUSG0	352618.7	-1.37078	0.854344	-1.60448	0.108609	0.526776	ENSMUSG0 Pnlp
ENSMUSG0	2257.339	0.199753	0.124562	1.603647	0.108792	0.527529	ENSMUSG0 Arl6ip1
ENSMUSG0	236.6309	-0.95236	0.593914	-1.60353	0.108819	0.527529	ENSMUSG0 Aldh1l1
ENSMUSG0	23.60488	-0.67708	0.422297	-1.60334	0.10886	0.527597	ENSMUSG0 Gm19719
ENSMUSG0	239.4039	0.679378	0.423804	1.603047	0.108924	0.527775	ENSMUSG0 Pcolce
ENSMUSG0	116.3494	0.454026	0.283268	1.602813	0.108976	0.527824	ENSMUSG0 Spata24
ENSMUSG0	740.2788	-0.28244	0.176223	-1.60275	0.108989	0.527824	ENSMUSG0 Agt
ENSMUSG0	1193.442	-0.2493	0.155583	-1.60235	0.109079	0.528079	ENSMUSG0 Lrfn3
ENSMUSG0	2033.916	-0.19172	0.119654	-1.60227	0.109097	0.528079	ENSMUSG0 Aldh3a2
ENSMUSG0	3.451189	1.594166	0.995142	1.601948	0.109167	0.528286	ENSMUSG0 Gm43686
ENSMUSG0	351.6693	0.570558	0.356225	1.60168	0.109226	0.528441	ENSMUSG0 Ndrp2
ENSMUSG0	518.5972	0.265418	0.165736	1.601447	0.109278	0.52845	ENSMUSG0 Snx32
ENSMUSG0	3.820154	-1.81184	1.131394	-1.60142	0.109283	0.52845	ENSMUSG0 Gm43329
ENSMUSG0	542.2422	0.291114	0.181817	1.601132	0.109348	0.528628	ENSMUSG0 Rnf157
ENSMUSG0	29.49111	0.810134	0.506126	1.600656	0.109453	0.529005	ENSMUSG0 Kif18b
ENSMUSG0	689.205	-0.27653	0.172828	-1.60004	0.109591	0.529379	ENSMUSG0 Stxbp6
ENSMUSG0	912.6429	-0.20864	0.130406	-1.5999	0.109622	0.529379	ENSMUSG0 Atg3
ENSMUSG0	593.6861	-0.29544	0.184669	-1.59986	0.109629	0.529379	ENSMUSG0 Dym
ENSMUSG0	66.29798	-0.52475	0.32801	-1.59981	0.109641	0.529379	ENSMUSG0 Gm11992
ENSMUSG0	416.2903	-0.25023	0.156428	-1.59963	0.109681	0.529405	ENSMUSG0 Tmem25
ENSMUSG0	6425.558	-0.20087	0.12558	-1.59954	0.109701	0.529405	ENSMUSG0 Gtf2i
ENSMUSG0	4.821349	-1.47164	0.920214	-1.59923	0.109769	0.529483	ENSMUSG0 Smbd1
ENSMUSG0	2423.603	-0.43998	0.275142	-1.59911	0.109797	0.529483	ENSMUSG0 Uqcc2
ENSMUSG0	38578.54	-1.41927	0.887551	-1.59908	0.109803	0.529483	ENSMUSG0 Cpa2
ENSMUSG0	1826.61	0.159731	0.099903	1.598858	0.109852	0.529483	ENSMUSG0 Snx1
ENSMUSG0	1649.542	-0.25964	0.162389	-1.59885	0.109855	0.529483	ENSMUSG0 Sgpp2
ENSMUSG0	4.815453	1.692114	1.058897	1.597996	0.110044	0.530197	ENSMUSG0 Adra1d
ENSMUSG0	7.2689	-1.12295	0.702818	-1.59779	0.11009	0.530197	ENSMUSG0 Adh7
ENSMUSG0	729.043	-0.24992	0.156428	-1.59768	0.110113	0.530197	ENSMUSG0 Hsf2
ENSMUSG0	135.2483	-0.39808	0.24916	-1.59768	0.110113	0.530197	ENSMUSG0 Tnfrsf11a
ENSMUSG0	472.7567	-0.42111	0.263619	-1.59741	0.110175	0.530363	ENSMUSG0 Saysd1
ENSMUSG0	4.671048	-1.93531	1.211873	-1.59696	0.110275	0.530711	ENSMUSG0 Sorcs3
ENSMUSG0	35.91511	1.174878	0.735768	1.596804	0.110309	0.530722	ENSMUSG0 Veph1
ENSMUSG0	1052.334	-0.29003	0.181655	-1.59659	0.110357	0.530722	ENSMUSG0 Dnajb12
ENSMUSG0	1230.585	-0.35554	0.222701	-1.5965	0.110378	0.530722	ENSMUSG0 Dhfr7
ENSMUSG0	3.886989	1.843985	1.155105	1.596378	0.110404	0.530722	ENSMUSG0 Tnfrsf17

ENSMUSG0	172.7635	0.693832	0.43466	1.596263	0.11043	0.530722	ENSMUSG0 Inf2
ENSMUSG0	2282.066	-0.21146	0.132476	-1.59621	0.110443	0.530722	ENSMUSG0 Snx2
ENSMUSG0	578.2773	-0.33255	0.208439	-1.59546	0.11061	0.531394	ENSMUSG0 Abcc4
ENSMUSG0	678.4451	-0.25722	0.161269	-1.595	0.110712	0.531524	ENSMUSG0 Rbfa
ENSMUSG0	577.6851	0.347867	0.218107	1.594941	0.110725	0.531524	ENSMUSG0 Nab1
ENSMUSG0	7.048761	1.346156	0.844184	1.594622	0.110797	0.531524	ENSMUSG0 Zfp804a
ENSMUSG0	684.5849	0.251706	0.157848	1.594604	0.110801	0.531524	ENSMUSG0 Slc9a6
ENSMUSG0	9.34169	-0.95907	0.60145	-1.59459	0.110803	0.531524	ENSMUSG0 Gm45696
ENSMUSG0	3.457922	1.613268	1.011808	1.59444	0.110837	0.531555	ENSMUSG04933407L2
ENSMUSG0	57.17847	0.399021	0.250277	1.594315	0.110865	0.531557	ENSMUSG0 Gpr135
ENSMUSG0	65.57531	-0.55669	0.3493	-1.59372	0.110999	0.531931	ENSMUSG0 Hcar2
ENSMUSG0	1516.055	-0.37654	0.23644	-1.59252	0.111268	0.53294	ENSMUSG0 Fbrsl1
ENSMUSG0	6.834628	1.023355	0.642636	1.592434	0.111287	0.53294	ENSMUSG0 Alpk3
ENSMUSG0	218.7747	0.606695	0.381003	1.592361	0.111304	0.53294	ENSMUSG0 Egr3
ENSMUSG0	300.0834	0.777668	0.488452	1.592109	0.11136	0.53294	ENSMUSG0 Rassf2
ENSMUSG0	565.1496	-0.30692	0.192785	-1.59203	0.111378	0.53294	ENSMUSG00610010F0
ENSMUSG0	1559.055	-0.21561	0.135464	-1.59166	0.111461	0.53294	ENSMUSG0 Pip4p1
ENSMUSG0	1220.718	0.247033	0.155218	1.591529	0.111491	0.53294	ENSMUSG0 Lamc1
ENSMUSG0	7.607317	-1.06515	0.669292	-1.59146	0.111506	0.53294	ENSMUSG0 Gm44658
ENSMUSG0	551.3146	0.361037	0.226863	1.591433	0.111512	0.53294	ENSMUSG0 Samd14
ENSMUSG0	52.75206	-0.737	0.463106	-1.59142	0.111514	0.53294	ENSMUSG0 Bmpr1b
ENSMUSG0	31.92639	-3.07336	1.931291	-1.59135	0.111531	0.53294	ENSMUSG0 Muc6
ENSMUSG0	3208.799	-0.23731	0.149131	-1.59128	0.111546	0.53294	ENSMUSG0 Arpc1a
ENSMUSG0	7.596008	1.025873	0.644726	1.591178	0.111569	0.53294	ENSMUSG0 Myoc
ENSMUSG0	96.64779	0.95279	0.598878	1.590959	0.111619	0.533043	ENSMUSG0 Islr
ENSMUSG0	1125.572	-0.28779	0.180944	-1.59049	0.111723	0.533411	ENSMUSG0 Seh1l
ENSMUSG0	411.6872	0.30755	0.19339	1.590311	0.111765	0.533475	ENSMUSG0 Pdgbf
ENSMUSG0	355.9069	-0.61315	0.385653	-1.58991	0.111855	0.5337	ENSMUSG0 Ikzf3
ENSMUSG0	17.99014	-0.75271	0.473452	-1.58982	0.111875	0.5337	ENSMUSG0 Gm15492
ENSMUSG0	22.07564	1.036202	0.651809	1.589733	0.111895	0.5337	ENSMUSG0 Mir17hg
ENSMUSG0	801.6793	-0.2979	0.187461	-1.58912	0.112034	0.533927	ENSMUSG0 Ccdc92b
ENSMUSG0	1867.538	-0.18356	0.115527	-1.58885	0.112095	0.533927	ENSMUSG0 Unc45a
ENSMUSG0	27.14799	0.737066	0.463907	1.588823	0.1121	0.533927	ENSMUSG0 Prss16
ENSMUSG0	466.2515	0.268866	0.169242	1.588644	0.112141	0.533927	ENSMUSG0 Usp40
ENSMUSG0	910.8488	0.230081	0.144841	1.588504	0.112172	0.533927	ENSMUSG0 Evi5
ENSMUSG0	697.9099	-0.22998	0.144806	-1.58818	0.112245	0.533927	ENSMUSG0 Snx12
ENSMUSG0	613.4573	-0.42669	0.268669	-1.58816	0.112251	0.533927	ENSMUSG0 Mus81
ENSMUSG0	10.46967	0.872428	0.54941	1.587936	0.112301	0.533927	ENSMUSG0 Gm17399
ENSMUSG0	7.660376	-1.05591	0.664993	-1.58786	0.112318	0.533927	ENSMUSG01810007C1
ENSMUSG0	249.1038	-0.26421	0.166421	-1.58762	0.112373	0.533927	ENSMUSG0 Plpp7
ENSMUSG0	19.59477	-0.83636	0.52683	-1.58754	0.112391	0.533927	ENSMUSG0 Sycp1
ENSMUSG0	69.40644	0.447543	0.281912	1.587527	0.112393	0.533927	ENSMUSG0 Dgkb
ENSMUSG0	1167.662	-0.398	0.250721	-1.58742	0.112417	0.533927	ENSMUSG0 Ppfia1
ENSMUSG0	513.7724	-0.33825	0.213084	-1.58739	0.112423	0.533927	ENSMUSG0 Cox15
ENSMUSG0	188.8084	-0.45207	0.284792	-1.58736	0.112431	0.533927	ENSMUSG0 Osgepl1
ENSMUSG0	905.4715	-0.25709	0.161963	-1.58733	0.112438	0.533927	ENSMUSG0 Med12
ENSMUSG0	969.0477	-0.40736	0.256642	-1.58727	0.112451	0.533927	ENSMUSG0 Itga6
ENSMUSG0	265.8431	-0.36686	0.231127	-1.58725	0.112455	0.533927	ENSMUSG0 Enox1
ENSMUSG0	21.87222	1.16326	0.733044	1.586891	0.112537	0.533927	ENSMUSG0 Mab21l1
ENSMUSG0	84.55231	0.546822	0.344605	1.586811	0.112556	0.533927	ENSMUSG0 Ifit2
ENSMUSG0	33.58482	0.912449	0.575043	1.586749	0.11257	0.533927	ENSMUSG05033406OC
ENSMUSG0	477.4336	-0.21608	0.136184	-1.58664	0.112594	0.533927	ENSMUSG0 LTO1

ENSMUSG0	313.6271	0.302015	0.190352	1.586611	0.112601	0.533927	ENSMUSG0 Pdxp
ENSMUSG0	547.2556	-0.28627	0.180443	-1.58647	0.112634	0.533927	ENSMUSG0 Srrm3
ENSMUSG0	134.4676	0.370817	0.233757	1.586334	0.112664	0.533927	ENSMUSG0 Slc25a33
ENSMUSG0	1628.619	-0.37766	0.238073	-1.58633	0.112664	0.533927	ENSMUSG0 Reep6
ENSMUSG0	1521.587	-0.24745	0.156006	-1.58613	0.112709	0.534007	ENSMUSG0 Tmem234
ENSMUSG0	5702.415	-0.25938	0.163546	-1.58596	0.112748	0.534061	ENSMUSG0 Hexa
ENSMUSG0	3.134579	-1.56929	0.989616	-1.58576	0.112794	0.534145	ENSMUSG0 Gm32950
ENSMUSG0	563.3158	0.314289	0.198217	1.585579	0.112835	0.534145	ENSMUSG0 Ipp
ENSMUSG0	10450.67	-0.30999	0.195539	-1.58531	0.112895	0.534145	ENSMUSG0 Lgals3bp
ENSMUSG0	3620.703	-0.31857	0.200956	-1.58527	0.112905	0.534145	ENSMUSG0 Sympk
ENSMUSG0	484.0631	-0.26103	0.164666	-1.58521	0.112919	0.534145	ENSMUSG0 Ccnc
ENSMUSG0	9.887031	-0.88589	0.558867	-1.58515	0.112932	0.534145	ENSMUSG05730420D1
ENSMUSG0	210.5523	0.483824	0.30525	1.585011	0.112964	0.534163	ENSMUSG0 Adamts10
ENSMUSG0	5.614723	1.073246	0.677197	1.584834	0.113004	0.534207	ENSMUSG0 Gm42820
ENSMUSG0	22.25349	0.694265	0.438098	1.584725	0.113029	0.534207	ENSMUSG0 Mamdc4
ENSMUSG0	6.827954	1.403609	0.886014	1.584183	0.113152	0.534658	ENSMUSG0 Prr18
ENSMUSG0	905.0263	-0.35109	0.221688	-1.5837	0.113262	0.534811	ENSMUSG0 Rab5if
ENSMUSG0	473.2403	-0.63506	0.401003	-1.58367	0.113268	0.534811	ENSMUSG0 Dgat1
ENSMUSG0	1517.723	-0.37392	0.236106	-1.58367	0.113268	0.534811	ENSMUSG0 Epb41
ENSMUSG0	256.217	-0.36319	0.229394	-1.58327	0.11336	0.535113	ENSMUSG0 Acyp1
ENSMUSG0	1659.414	0.573287	0.362165	1.582942	0.113435	0.535337	ENSMUSG0 Msn
ENSMUSG0	533.1821	-0.27631	0.174621	-1.58234	0.113572	0.535746	ENSMUSG0 Tor1a
ENSMUSG0	626.4468	-0.31735	0.200558	-1.58232	0.113577	0.535746	ENSMUSG0 Nutf2-ps1
ENSMUSG0	74.63775	-1.013	0.640411	-1.5818	0.113696	0.536174	ENSMUSG0 Gjb2
ENSMUSG0	96.08167	0.662086	0.418678	1.581372	0.113793	0.5365	ENSMUSG0 Cdh13
ENSMUSG0	98.93588	0.399542	0.252769	1.580661	0.113956	0.537119	ENSMUSG0 Rttm
ENSMUSG0	93.67345	-0.36354	0.230018	-1.58049	0.113995	0.537119	ENSMUSG0 Tmem14a
ENSMUSG0	457.5679	-0.52915	0.334814	-1.58043	0.114008	0.537119	ENSMUSG0 Zkscan7
ENSMUSG0	909.8505	0.556641	0.352373	1.579694	0.114177	0.537768	ENSMUSG0Tmem254b
ENSMUSG0	5128.454	-0.29944	0.189569	-1.57959	0.114202	0.537768	ENSMUSG0 Arcn1
ENSMUSG0	3983.106	-0.63187	0.400148	-1.57909	0.114316	0.538173	ENSMUSG0 Ivd
ENSMUSG0	2697.584	-0.28852	0.182809	-1.57827	0.114504	0.53893	ENSMUSG0 Llg12
ENSMUSG0	4.902739	1.37006	0.868266	1.577927	0.114582	0.539165	ENSMUSG0 Dio2
ENSMUSG0	10.06429	1.045516	0.662774	1.577485	0.114684	0.539511	ENSMUSG0 Scn1a
ENSMUSG0	53.15716	0.70084	0.444384	1.577104	0.114772	0.539693	ENSMUSG0 Nt5e
ENSMUSG0	63.10558	0.594817	0.377165	1.577073	0.114779	0.539693	ENSMUSG0 Gm49636
ENSMUSG0	41.54988	-1.37943	0.874744	-1.57695	0.114807	0.539696	ENSMUSG0 Gm15542
ENSMUSG0	30.74812	0.788723	0.500207	1.576791	0.114844	0.539715	ENSMUSG0 Cfap70
ENSMUSG0	25.10894	-0.89473	0.567541	-1.57651	0.114909	0.539715	ENSMUSG0 Nr0b2
ENSMUSG0	21.51414	1.192969	0.75674	1.576458	0.11492	0.539715	ENSMUSG01700048O2
ENSMUSG0	304.2458	-0.30157	0.191297	-1.57644	0.114924	0.539715	ENSMUSG0 Pkp2
ENSMUSG0	9.235651	-1.8064	1.146055	-1.57619	0.114982	0.539766	ENSMUSG0 Ighv1-9
ENSMUSG0	2442.594	-0.20804	0.131996	-1.57609	0.115005	0.539766	ENSMUSG0 Eif3d
ENSMUSG0	27.26243	0.898152	0.570044	1.575584	0.115122	0.539766	ENSMUSG0 Havcr2
ENSMUSG0	227.201	0.344697	0.218775	1.57558	0.115123	0.539766	ENSMUSG0 Ephb2
ENSMUSG0	192.1998	0.4471	0.283784	1.575494	0.115142	0.539766	ENSMUSG0 Cldn23
ENSMUSG0	14.41395	-1.14769	0.728467	-1.57549	0.115143	0.539766	ENSMUSG0 Gm26802
ENSMUSG0	34.40557	-0.45209	0.286972	-1.57536	0.115172	0.539766	ENSMUSG0 Gm42929
ENSMUSG0	3.348175	1.517419	0.963229	1.575346	0.115177	0.539766	ENSMUSG0 Rbbp8nl
ENSMUSG0	743.4079	-0.28753	0.182525	-1.5753	0.115187	0.539766	ENSMUSG0 Fbxw7
ENSMUSG0	3453.372	-0.53522	0.339803	-1.57509	0.115236	0.539864	ENSMUSG0 Cry2
ENSMUSG0	3.109675	1.551073	0.985031	1.574644	0.115339	0.540095	ENSMUSG03300005D0

ENSMUSG0	29.04622	-0.59416	0.377353	-1.57454	0.115363	0.540095	ENSMUSG0D130007C1
ENSMUSG0	64.46962	0.450422	0.286071	1.57451	0.11537	0.540095	ENSMUSG04930426D0
ENSMUSG0	1335.76	-0.2738	0.173916	-1.5743	0.115417	0.540187	ENSMUSG0 Usp36
ENSMUSG0	1990.994	-1.51001	0.959617	-1.57355	0.115591	0.540718	ENSMUSG0 Prss3
ENSMUSG0	159.8181	-0.33382	0.212152	-1.57348	0.115607	0.540718	ENSMUSG0 Fam161a
ENSMUSG0	383.4992	0.325123	0.206631	1.573448	0.115615	0.540718	ENSMUSG0 Poc5
ENSMUSG0	3.832704	1.251977	0.795838	1.573155	0.115683	0.540903	ENSMUSG0 Gm42858
ENSMUSG0	2296.959	0.327502	0.208229	1.572794	0.115766	0.541162	ENSMUSG0 Bcl2l1
ENSMUSG0	363.6878	-0.32813	0.208646	-1.57264	0.115801	0.541193	ENSMUSG0 Akap7
ENSMUSG0	921.549	-0.30653	0.194956	-1.57232	0.115877	0.541418	ENSMUSG0 Fam171b
ENSMUSG0	301.2352	0.311379	0.198104	1.571796	0.115998	0.541704	ENSMUSG0 Zfp334
ENSMUSG0	905.8154	-0.21855	0.139062	-1.57163	0.116037	0.541704	ENSMUSG0 Rbm18
ENSMUSG0	255.2969	0.320851	0.204166	1.57152	0.116062	0.541704	ENSMUSG0 Chst10
ENSMUSG0	4332.656	-0.27005	0.171848	-1.57147	0.116074	0.541704	ENSMUSG0 Scnn1b
ENSMUSG0	462.4003	0.378755	0.241024	1.571444	0.11608	0.541704	ENSMUSG0 Bag2
ENSMUSG0	919.7425	0.240554	0.153119	1.571022	0.116178	0.542031	ENSMUSG0 Trp53bp2
ENSMUSG0	286.6321	-0.44716	0.284702	-1.57064	0.116266	0.542235	ENSMUSG0 Gpr155
ENSMUSG0	67.97474	0.762748	0.485644	1.57059	0.116278	0.542235	ENSMUSG0 AI504432
ENSMUSG0	1190.373	-0.17749	0.11303	-1.57025	0.116358	0.542346	ENSMUSG0 Umps
ENSMUSG0	13.44774	-1.1299	0.719569	-1.57025	0.116358	0.542346	ENSMUSG0 Gm44913
ENSMUSG0	70.62879	0.811381	0.516842	1.569881	0.116443	0.54261	ENSMUSG0 Tmc8
ENSMUSG0	147.7452	0.827128	0.527001	1.5695	0.116532	0.542673	ENSMUSG0 Grap2
ENSMUSG0	17.12207	0.6595	0.420207	1.569466	0.116539	0.542673	ENSMUSG01810062O1
ENSMUSG0	97.89791	-0.76483	0.487322	-1.56946	0.116541	0.542673	ENSMUSG0 Nphs1
ENSMUSG0	226.5653	-0.52993	0.337697	-1.56924	0.116591	0.542776	ENSMUSG0 Dclre1a
ENSMUSG0	8.049294	1.158221	0.7383	1.568768	0.116702	0.543026	ENSMUSG0 Disc1
ENSMUSG0	8.661591	1.403823	0.894912	1.568671	0.116725	0.543026	ENSMUSG0 Dnah10
ENSMUSG0	9.916638	1.140123	0.726825	1.568636	0.116733	0.543026	ENSMUSG0 Tmem156
ENSMUSG0	523.7428	-0.51738	0.329867	-1.56845	0.116775	0.543026	ENSMUSG0 Hemk1
ENSMUSG0	4.207426	-1.34603	0.858217	-1.56841	0.116786	0.543026	ENSMUSG0 Gm16712
ENSMUSG0	2762.747	-0.38415	0.244987	-1.56804	0.116872	0.543296	ENSMUSG0 Ndufb8
ENSMUSG0	15.68319	-1.7658	1.126307	-1.56778	0.116933	0.543444	ENSMUSG0 Gm44973
ENSMUSG0	471.1391	-0.28964	0.184775	-1.56754	0.116989	0.543511	ENSMUSG0 Twnk
ENSMUSG0	2350.699	-0.19715	0.125779	-1.56741	0.117019	0.543511	ENSMUSG0 Gpc4
ENSMUSG0	107.0834	0.857562	0.547139	1.567355	0.117032	0.543511	ENSMUSG0 Gng3
ENSMUSG0	10.51395	0.830888	0.530271	1.566911	0.117136	0.543862	ENSMUSG0 Nat1
ENSMUSG0	4881.72	-0.41665	0.265967	-1.56655	0.11722	0.544085	ENSMUSG0 Gstp1
ENSMUSG0	1024	-0.19215	0.122664	-1.56646	0.117241	0.544085	ENSMUSG0 Fam104a
ENSMUSG0	313.3221	-0.33903	0.216449	-1.56633	0.117272	0.544085	ENSMUSG0 Gtf2h4
ENSMUSG0	108.0369	-0.34165	0.218137	-1.56622	0.117297	0.544085	ENSMUSG0 Gpr173
ENSMUSG0	683.7558	0.264625	0.168982	1.565993	0.11735	0.544202	ENSMUSG0 Slbp
ENSMUSG0	93.16904	0.466656	0.298057	1.565663	0.117428	0.544429	ENSMUSG0 Galnt13
ENSMUSG0	266.915	0.507708	0.324339	1.565362	0.117498	0.544603	ENSMUSG0 Cygb
ENSMUSG0	21.89914	0.630638	0.402896	1.565261	0.117522	0.544603	ENSMUSG0 Gm3739
ENSMUSG0	115.9043	0.452564	0.289266	1.564524	0.117695	0.545011	ENSMUSG0 Sh3tc1
ENSMUSG0	30.32643	-0.51973	0.332267	-1.56419	0.117774	0.545011	ENSMUSG0 Gm7967
ENSMUSG0	85.31008	0.564024	0.360606	1.564102	0.117794	0.545011	ENSMUSG0 Gm37110
ENSMUSG0	464.7518	-0.27527	0.175995	-1.56406	0.117804	0.545011	ENSMUSG0 Surf2
ENSMUSG0	67.30998	0.859737	0.54972	1.563954	0.117828	0.545011	ENSMUSG0 Plxna4
ENSMUSG0	20.75279	0.778138	0.497571	1.563872	0.117848	0.545011	ENSMUSG0 Kcp
ENSMUSG0	357.7736	0.412513	0.263783	1.563839	0.117855	0.545011	ENSMUSG0 Zfp217
ENSMUSG0	3.626516	2.621747	1.676602	1.563726	0.117882	0.545011	ENSMUSG0 Trbv5

ENSMUSG0	125.8132	-0.31353	0.200508	-1.5637	0.117889	0.545011	ENSMUSG0 Faap24
ENSMUSG0	33.29493	1.336502	0.854716	1.563679	0.117893	0.545011	ENSMUSG0 Cxcr3
ENSMUSG0	15.46366	0.870204	0.556594	1.563443	0.117948	0.545023	ENSMUSG0 Rxrg
ENSMUSG0	598.2734	-0.23241	0.148666	-1.5633	0.117983	0.545023	ENSMUSG0 Mmgt2
ENSMUSG0	346.5114	-0.23626	0.151144	-1.56314	0.118019	0.545023	ENSMUSG0 Rmnd1
ENSMUSG0	883.3817	-0.27149	0.173695	-1.56301	0.118051	0.545023	ENSMUSG0 Rp9
ENSMUSG0	33.62635	-0.75658	0.484078	-1.56293	0.11807	0.545023	ENSMUSG04930594M
ENSMUSG0	551.4044	-0.2458	0.157283	-1.56276	0.11811	0.545023	ENSMUSG0 Map2k3
ENSMUSG0	13.02865	-0.782	0.50041	-1.56272	0.118119	0.545023	ENSMUSG0 Gm43322
ENSMUSG0	62.95386	-0.74054	0.473918	-1.56259	0.11815	0.545023	ENSMUSG0 Cldn10
ENSMUSG0	1390.003	-0.22285	0.142619	-1.56258	0.118151	0.545023	ENSMUSG0 Azi2
ENSMUSG0	470.0916	0.278749	0.178405	1.562451	0.118182	0.545035	ENSMUSG0 Gramd4
ENSMUSG0	13.75266	-0.84022	0.537906	-1.56202	0.118282	0.545369	ENSMUSG04933425M
ENSMUSG0	6.871035	-1.29023	0.826291	-1.56147	0.118413	0.545712	ENSMUSG0 Gm44798
ENSMUSG0	35.83507	-0.82272	0.526886	-1.56147	0.118413	0.545712	ENSMUSG0 Gm37452
ENSMUSG0	469.6702	-0.30019	0.192339	-1.56075	0.118583	0.546202	ENSMUSG0 Ccdc166
ENSMUSG0	7.455481	1.156287	0.74087	1.560715	0.118591	0.546202	ENSMUSG0 Gm20768
ENSMUSG0	741.3125	0.277418	0.177757	1.560656	0.118605	0.546202	ENSMUSG0 Cand2
ENSMUSG0	138.0591	0.65513	0.419858	1.56036	0.118675	0.546306	ENSMUSG0 Ror1
ENSMUSG0	5.679244	1.017123	0.651872	1.560311	0.118686	0.546306	ENSMUSG0 Gm37233
ENSMUSG0	1444.056	-0.34636	0.222001	-1.56017	0.118719	0.546306	ENSMUSG0 Bri3
ENSMUSG0	206.1572	-0.3481	0.223133	-1.56008	0.118741	0.546306	ENSMUSG0 Wdcp
ENSMUSG0	9.921593	-1.30788	0.838427	-1.55992	0.118779	0.546351	ENSMUSG0A930012L1
ENSMUSG0	933.4225	-0.18139	0.116309	-1.55958	0.11886	0.5465	ENSMUSG0 Wdr41
ENSMUSG0	3258.628	0.338213	0.216892	1.55936	0.118911	0.5465	ENSMUSG0 Zwint
ENSMUSG0	354.6419	-0.31902	0.204585	-1.55936	0.118912	0.5465	ENSMUSG0 Cdpf1
ENSMUSG0	2100.643	-0.21193	0.135912	-1.5593	0.118925	0.5465	ENSMUSG0 Gak
ENSMUSG0	1094.605	-0.33573	0.215326	-1.55917	0.118956	0.546512	ENSMUSG0 Deaf1
ENSMUSG0	346.5473	-0.31368	0.201214	-1.55893	0.119013	0.54652	ENSMUSG0 Dusp12
ENSMUSG0	1295.336	-0.24279	0.155741	-1.55892	0.119015	0.54652	ENSMUSG0 Sec24b
ENSMUSG0	522.3441	0.28913	0.185486	1.558776	0.119049	0.546548	ENSMUSG0 Unc5b
ENSMUSG0	548.7425	-0.33297	0.213699	-1.55814	0.119201	0.547113	ENSMUSG0 Abitram
ENSMUSG0	47.99095	0.526025	0.337788	1.557262	0.119408	0.547933	ENSMUSG0 BC022960
ENSMUSG0	530.9867	-0.35265	0.226521	-1.55682	0.119513	0.548161	ENSMUSG0 Cdc14b
ENSMUSG0	312.1447	0.930768	0.597868	1.556813	0.119515	0.548161	ENSMUSG0 Itgal
ENSMUSG0	398.2604	0.430664	0.276695	1.556457	0.119599	0.548287	ENSMUSG0 Vav2
ENSMUSG0	1503.98	-0.40349	0.259238	-1.55644	0.119604	0.548287	ENSMUSG0 Itprid2
ENSMUSG0	160.5847	0.713249	0.458287	1.556338	0.119628	0.548287	ENSMUSG0 Ngb
ENSMUSG0	593.3713	0.338087	0.217276	1.556027	0.119702	0.548423	ENSMUSG0 Ssh1
ENSMUSG0	690.7674	0.310087	0.199293	1.555931	0.119724	0.548423	ENSMUSG0 Dhcr24
ENSMUSG0	487.1344	0.279547	0.179674	1.555853	0.119743	0.548423	ENSMUSG0 Naaa
ENSMUSG0	452.1658	-0.24048	0.154591	-1.55561	0.1198	0.548508	ENSMUSG0 Gramd1c
ENSMUSG0	76.22035	0.522008	0.335581	1.555535	0.119819	0.548508	ENSMUSG0 Zfp970
ENSMUSG0	4.028107	-1.48739	0.956452	-1.55511	0.11992	0.548843	ENSMUSG0 Gm38235
ENSMUSG0	711.3584	0.372946	0.239872	1.554767	0.120002	0.548854	ENSMUSG0 Osgin1
ENSMUSG0	3616.685	0.455968	0.293298	1.554621	0.120036	0.548854	ENSMUSG0 Nynrin
ENSMUSG0	81.22044	0.47489	0.305475	1.554595	0.120042	0.548854	ENSMUSG0 Bdkrb2
ENSMUSG0	3.506599	-2.0681	1.330395	-1.5545	0.120065	0.548854	ENSMUSG0 Gm11452
ENSMUSG0	739.8564	-0.40008	0.257374	-1.55448	0.12007	0.548854	ENSMUSG0 Dus1l
ENSMUSG0	9.983579	-0.93465	0.60131	-1.55435	0.120101	0.548854	ENSMUSG0 Gm11460
ENSMUSG0	8.722346	0.89722	0.577265	1.55426	0.120122	0.548854	ENSMUSG0 Gm27003
ENSMUSG0	9.432847	1.272631	0.818895	1.554084	0.120164	0.548916	ENSMUSG0 Gm43197

ENSMUSG0	71.62723	0.408457	0.262953	1.553347	0.12034	0.549588	ENSMUSG0 Gm45495
ENSMUSG0	279.743	0.360137	0.231875	1.55315	0.120387	0.549672	ENSMUSG0 Ezh2
ENSMUSG0	4.78596	-1.32202	0.851319	-1.55291	0.120445	0.549803	ENSMUSG0 Rfx4
ENSMUSG0	1009.593	-0.25003	0.161041	-1.55259	0.120521	0.550018	ENSMUSG0 Lman2l
ENSMUSG0	5.662135	-1.15542	0.744278	-1.55241	0.120565	0.550018	ENSMUSG04833427G0
ENSMUSG0	3.596234	-1.46379	0.94295	-1.55235	0.120577	0.550018	ENSMUSG0 Gm43788
ENSMUSG0	11.96051	0.879637	0.566701	1.552207	0.120613	0.550049	ENSMUSG0 Insm2
ENSMUSG0	700.1951	-0.25566	0.16472	-1.55208	0.120642	0.550053	ENSMUSG0 Mical2
ENSMUSG0	92.04549	-0.72041	0.464367	-1.55137	0.120812	0.550696	ENSMUSG0 Mecom
ENSMUSG0	1117.894	0.38238	0.2465	1.551237	0.120845	0.550716	ENSMUSG0 Ahdc1
ENSMUSG0	5.745501	1.232044	0.794449	1.550816	0.120946	0.551046	ENSMUSG0 Cdh18
ENSMUSG0	62.26766	-0.62171	0.400935	-1.55065	0.120986	0.551096	ENSMUSG0 Steap1
ENSMUSG0	3057.313	0.187273	0.120783	1.550482	0.121026	0.551149	ENSMUSG0 Fam129b
ENSMUSG0	20.97751	-0.66096	0.426395	-1.55012	0.121113	0.551415	ENSMUSG0 Gm26826
ENSMUSG0	79.77984	-0.39302	0.253567	-1.54997	0.12115	0.551452	ENSMUSG0 Gm4285
ENSMUSG0	291.049	-0.2918	0.188277	-1.54983	0.121183	0.551471	ENSMUSG0 Lrrc56
ENSMUSG0	122.7948	0.33098	0.213621	1.549383	0.12129	0.551828	ENSMUSG0 Enkd1
ENSMUSG0	44.26505	-0.44472	0.287156	-1.5487	0.121453	0.552411	ENSMUSG0 Gldc
ENSMUSG0	354.3752	-0.2981	0.192536	-1.5483	0.121549	0.552411	ENSMUSG0 Adprm
ENSMUSG0	14.62642	-1.49328	0.964492	-1.54826	0.121561	0.552411	ENSMUSG0 Ms4a8a
ENSMUSG0	1830.914	-0.25364	0.163849	-1.54802	0.121618	0.552411	ENSMUSG0 Mettl26
ENSMUSG0	238.5817	0.417343	0.269623	1.547878	0.121652	0.552411	ENSMUSG0 Paqr4
ENSMUSG0	8.48876	2.266503	1.464299	1.547842	0.12166	0.552411	ENSMUSG0 Ighv7-3
ENSMUSG0	3.816648	-1.84804	1.193954	-1.54784	0.121662	0.552411	ENSMUSG0 Gm42843
ENSMUSG0	2.93337	2.021951	1.306358	1.547778	0.121676	0.552411	ENSMUSG0 Sec1
ENSMUSG0	277.4224	-0.27149	0.175409	-1.54778	0.121676	0.552411	ENSMUSG0 Ocel1
ENSMUSG0	251.2839	-0.26803	0.173242	-1.54716	0.121825	0.552955	ENSMUSG0 Gm44950
ENSMUSG0	150497.5	-0.37111	0.239981	-1.54642	0.122003	0.553541	ENSMUSG0 mt-Co1
ENSMUSG0	42.09172	0.987651	0.638727	1.546281	0.122037	0.553541	ENSMUSG0 Selp
ENSMUSG0	114.5537	1.002351	0.648318	1.54608	0.122085	0.553541	ENSMUSG0 Col12a1
ENSMUSG0	1044.793	-0.24015	0.155332	-1.54604	0.122094	0.553541	ENSMUSG0 Commd7
ENSMUSG0	17.54086	-0.81416	0.526613	-1.54603	0.122098	0.553541	ENSMUSG0 Myo18b
ENSMUSG0	1313.121	0.848974	0.549228	1.54576	0.122163	0.553574	ENSMUSG0 Ptprc
ENSMUSG0	752.8143	0.284827	0.184264	1.545759	0.122163	0.553574	ENSMUSG0 Svop
ENSMUSG0	5937.253	-0.4851	0.313851	-1.54564	0.122192	0.553578	ENSMUSG0 Herpud1
ENSMUSG0	29.52741	-0.90605	0.586345	-1.54525	0.122287	0.55359	ENSMUSG0 Gm8206
ENSMUSG0	30.09209	-0.70079	0.453528	-1.5452	0.122298	0.55359	ENSMUSG0 Zcwpw2
ENSMUSG0	2056.701	0.294405	0.190544	1.545075	0.122328	0.55359	ENSMUSG0 Mat1a
ENSMUSG0	899.6412	0.343717	0.222466	1.54503	0.122339	0.55359	ENSMUSG0 Pfn2
ENSMUSG0	2631.384	0.227367	0.147161	1.545023	0.122341	0.55359	ENSMUSG0 Abr
ENSMUSG0	11724.95	-0.43847	0.283813	-1.54491	0.122368	0.55359	ENSMUSG0 Cd63
ENSMUSG0	236.2718	0.488772	0.316464	1.544482	0.122472	0.55392	ENSMUSG0 Adamts9
ENSMUSG0	38143.83	-0.69424	0.449532	-1.54437	0.122498	0.55392	ENSMUSG0 mt-Nd4
ENSMUSG0	6.134477	1.382633	0.895493	1.543992	0.12259	0.554206	ENSMUSG0 Rpl19-ps11
ENSMUSG0	33.35016	0.528456	0.342365	1.543548	0.122698	0.554562	ENSMUSG02810032G0
ENSMUSG0	25.02834	0.957562	0.620703	1.542706	0.122902	0.555129	ENSMUSG0 Rasgrp4
ENSMUSG0	1613.255	0.366697	0.237733	1.542475	0.122958	0.555129	ENSMUSG0 Dek
ENSMUSG0	194.3851	-0.28357	0.183843	-1.54245	0.122963	0.555129	ENSMUSG0 Tmem39b
ENSMUSG0	329.7588	0.492353	0.319204	1.542443	0.122966	0.555129	ENSMUSG0 Coro2a
ENSMUSG0	181.9347	0.794504	0.515097	1.542436	0.122968	0.555129	ENSMUSG0 Slc44a4
ENSMUSG0	1762.1	-0.26104	0.169256	-1.54226	0.123011	0.555192	ENSMUSG0 Taok3
ENSMUSG0	218.5734	-0.26733	0.173359	-1.54207	0.123056	0.555266	ENSMUSG0 Kctd1

ENSMUSG0	4.20938	-1.44367	0.936625	-1.54135	0.123231	0.555545	ENSMUSG0 Gm48207
ENSMUSG0	5.635703	1.078887	0.699968	1.541338	0.123235	0.555545	ENSMUSG0 Fzd10
ENSMUSG0	410.9235	-0.19408	0.125915	-1.54133	0.123238	0.555545	ENSMUSG0 Dis3l2
ENSMUSG0	315.7956	0.448001	0.290705	1.541084	0.123296	0.555545	ENSMUSG0 Cilp
ENSMUSG0	6860.855	-0.35888	0.232885	-1.541	0.123317	0.555545	ENSMUSG0 H3f3a
ENSMUSG0	603.4303	-0.27888	0.180979	-1.54096	0.123327	0.555545	ENSMUSG0 Kihl2
ENSMUSG0	1331.044	-0.26763	0.173685	-1.5409	0.123341	0.555545	ENSMUSG0 Hagh
ENSMUSG0	42.51189	0.711911	0.462019	1.540869	0.123349	0.555545	ENSMUSG0 Cmtm5
ENSMUSG0	93.55102	0.565825	0.367268	1.540633	0.123406	0.555656	ENSMUSG0 Atp10d
ENSMUSG0	1635.921	-0.22987	0.149217	-1.54053	0.123431	0.555656	ENSMUSG0 Rbm10
ENSMUSG0	141.0756	-0.37808	0.245523	-1.53989	0.123587	0.556203	ENSMUSG0 BC048403
ENSMUSG0	113.7335	-0.37158	0.241316	-1.5398	0.12361	0.556203	ENSMUSG0 Ak5
ENSMUSG0	3265.276	0.263254	0.171003	1.539464	0.123691	0.556436	ENSMUSG0 Tpm3
ENSMUSG0	2139.638	-0.1937	0.125839	-1.53926	0.123742	0.556535	ENSMUSG0 Fam117a
ENSMUSG0	2497.623	-0.20749	0.134849	-1.53865	0.12389	0.556989	ENSMUSG0 Tex261
ENSMUSG0	169.1334	-0.28289	0.183874	-1.53853	0.12392	0.556989	ENSMUSG0 St7
ENSMUSG0	4.987946	1.298413	0.843955	1.538486	0.12393	0.556989	ENSMUSG0 Fscn2
ENSMUSG0	310.3047	0.317581	0.206531	1.537688	0.124125	0.557643	ENSMUSG0 Clec14a
ENSMUSG0	1042.776	-0.17623	0.114612	-1.53759	0.12415	0.557643	ENSMUSG0 Smndc1
ENSMUSG0	211.278	0.392593	0.255339	1.537536	0.124162	0.557643	ENSMUSG0 Caskin1
ENSMUSG0	404.5269	0.280149	0.182224	1.53739	0.124198	0.557673	ENSMUSG0 Cdk19
ENSMUSG0	3830.3	-0.23598	0.15352	-1.53715	0.124256	0.557803	ENSMUSG0 Rcan3
ENSMUSG0	427.1073	-0.29856	0.194337	-1.5363	0.124465	0.558485	ENSMUSG0 Tmem150c
ENSMUSG0	69.38369	0.635967	0.413976	1.536241	0.124479	0.558485	ENSMUSG0 Cdca7
ENSMUSG0	907.7113	0.222413	0.144788	1.536134	0.124506	0.558485	ENSMUSG0 Klc3
ENSMUSG0	7.821676	-1.06488	0.693257	-1.53606	0.124524	0.558485	ENSMUSG0 Ndor1
ENSMUSG0	675.1685	-0.25706	0.16738	-1.53579	0.124589	0.558547	ENSMUSG0 Samd10
ENSMUSG0	232.3583	-0.36801	0.239628	-1.53577	0.124596	0.558547	ENSMUSG0 Atg10
ENSMUSG0	656.7464	1.27498	0.830381	1.535415	0.124682	0.558802	ENSMUSG0 Des
ENSMUSG0	108.7817	-0.33289	0.216836	-1.5352	0.124736	0.558826	ENSMUSG0 Zc3h8
ENSMUSG0	97.71967	0.335358	0.218459	1.535108	0.124757	0.558826	ENSMUSG0 Zfp202
ENSMUSG0	3.299972	1.830387	1.192404	1.535039	0.124774	0.558826	ENSMUSG0 Prss57
ENSMUSG0	56.00304	-1.04263	0.679296	-1.53487	0.124815	0.558877	ENSMUSG0 Abhd11os
ENSMUSG0	602.8298	-0.37731	0.245908	-1.53435	0.124944	0.55927	ENSMUSG0 Iah1
ENSMUSG0	3.764091	2.067777	1.347718	1.53428	0.124961	0.55927	ENSMUSG0 Platr22
ENSMUSG0	619.7124	0.20182	0.131599	1.533591	0.12513	0.559776	ENSMUSG0 Ptdc3
ENSMUSG0	87.13381	0.481912	0.314258	1.533489	0.125155	0.559776	ENSMUSG0 Ednra
ENSMUSG0	673.2082	0.339117	0.221154	1.5334	0.125177	0.559776	ENSMUSG0 Tmem246
ENSMUSG0	26.47804	0.869555	0.567117	1.533289	0.125205	0.559776	ENSMUSG0 SrpX
ENSMUSG0	51.58211	-0.47418	0.309265	-1.53323	0.125219	0.559776	ENSMUSG0 1110025M
ENSMUSG0	12.90364	-0.91491	0.596868	-1.53285	0.125313	0.560013	ENSMUSG0 Lexm
ENSMUSG0	1754.435	-0.20862	0.136103	-1.53278	0.12533	0.560013	ENSMUSG0 Fem1a
ENSMUSG0	2348.268	-0.41542	0.271097	-1.53236	0.125433	0.560341	ENSMUSG0 BC004004
ENSMUSG0	423.6176	-0.47493	0.310034	-1.53187	0.125555	0.560755	ENSMUSG0 Shld1
ENSMUSG0	32.7777	0.438681	0.286411	1.531647	0.12561	0.560869	ENSMUSG0 Gm10461
ENSMUSG0	18.18411	-0.79944	0.522167	-1.53101	0.125768	0.561248	ENSMUSG0 Gm13689
ENSMUSG0	1062.479	0.319	0.208372	1.53092	0.125789	0.561248	ENSMUSG0 Asxl1
ENSMUSG0	632.5248	0.399609	0.261051	1.530771	0.125826	0.561248	ENSMUSG0 Vwa1
ENSMUSG0	1158.062	-0.29794	0.194638	-1.53075	0.12583	0.561248	ENSMUSG0 Rbpms
ENSMUSG0	458.3847	0.372403	0.243298	1.530642	0.125858	0.561248	ENSMUSG0 Tcigr1
ENSMUSG0	21.56894	-0.75274	0.491807	-1.53056	0.125877	0.561248	ENSMUSG0 Hrob
ENSMUSG0	1926.566	-0.17746	0.115952	-1.53048	0.125898	0.561248	ENSMUSG0 Keap1

ENSMUSG0	3471.555	-0.22239	0.145338	-1.53017	0.125974	0.561455	ENSMUSG0 Pdxdc1
ENSMUSG0	25.23204	0.973856	0.636573	1.529843	0.126056	0.561596	ENSMUSG0 Kcna1
ENSMUSG0	263.8716	0.370125	0.241942	1.529809	0.126064	0.561596	ENSMUSG0 Rabepk
ENSMUSG0	4801.217	0.203422	0.132989	1.529617	0.126112	0.561675	ENSMUSG0 Cds2
ENSMUSG0	2038.853	-0.531	0.347204	-1.52935	0.126178	0.561675	ENSMUSG0 Ahcy
ENSMUSG0	1536.1	-0.24717	0.16163	-1.52925	0.126202	0.561675	ENSMUSG0 Taz
ENSMUSG0	119.0194	0.406672	0.265938	1.529202	0.126214	0.561675	ENSMUSG0 Prdm11
ENSMUSG0	68.14518	-0.85311	0.557911	-1.52912	0.126234	0.561675	ENSMUSG0 Slc16a5
ENSMUSG0	28674.79	-0.53776	0.351704	-1.52901	0.126262	0.561675	ENSMUSG0 mt-Nd2
ENSMUSG0	136.5473	0.75057	0.490927	1.528885	0.126293	0.561675	ENSMUSG0 Fgd3
ENSMUSG0	28.31222	0.938256	0.613725	1.528789	0.126317	0.561675	ENSMUSG0 Cfap206
ENSMUSG0	140.8291	-0.55868	0.365494	-1.52856	0.126373	0.561675	ENSMUSG0 Otud3
ENSMUSG0	20.46597	-0.66062	0.432183	-1.52856	0.126374	0.561675	ENSMUSG0 Gm44545
ENSMUSG0	453.6635	0.346065	0.226447	1.528241	0.126453	0.561844	ENSMUSG0 Lmo4
ENSMUSG0	8.217065	-0.84282	0.551521	-1.52817	0.12647	0.561844	ENSMUSG0 Gm29417
ENSMUSG0	17.08248	-0.8004	0.523942	-1.52766	0.126597	0.562278	ENSMUSG0 Gm7276
ENSMUSG0	1281.917	-0.46862	0.306848	-1.52722	0.126706	0.56252	ENSMUSG0 Rps27l
ENSMUSG0	15.53354	0.768469	0.503187	1.527204	0.12671	0.56252	ENSMUSG0 Lrrc55
ENSMUSG0	971.3323	-0.38692	0.253412	-1.52684	0.126801	0.562794	ENSMUSG0 Nfyc
ENSMUSG0	4.867556	1.143292	0.748913	1.5266	0.12686	0.56286	ENSMUSG0 Iqca1l
ENSMUSG0	472.8293	0.506231	0.331619	1.526543	0.126875	0.56286	ENSMUSG0 Arnt2
ENSMUSG0	3401.975	-0.20549	0.134641	-1.52622	0.126955	0.563086	ENSMUSG0 Srebf1
ENSMUSG0	436.1797	-0.28309	0.185513	-1.52596	0.127019	0.563192	ENSMUSG0 Rtel1
ENSMUSG0	37.28687	0.564408	0.369916	1.525772	0.127067	0.563192	ENSMUSG0 Mdfi
ENSMUSG0	125.558	-0.41415	0.271445	-1.5257	0.127083	0.563192	ENSMUSG0 Tceanc
ENSMUSG0	165.1665	-0.37604	0.246478	-1.52565	0.127096	0.563192	ENSMUSG0 Tmys
ENSMUSG0	7818.005	0.31889	0.209045	1.525463	0.127144	0.563274	ENSMUSG0 Rhob
ENSMUSG0	37.00265	-0.57765	0.378708	-1.5253	0.127183	0.563289	ENSMUSG0 Hoxb2
ENSMUSG0	5.09939	1.562855	1.024679	1.525214	0.127206	0.563289	ENSMUSG0 Gm10384
ENSMUSG0	4.009504	-1.55073	1.016895	-1.52497	0.127267	0.563305	ENSMUSG0 Gm47404
ENSMUSG0	4.917269	-1.2248	0.803175	-1.52495	0.127272	0.563305	ENSMUSG0 Slc25a5-ps
ENSMUSG0	690.226	0.329968	0.216426	1.524622	0.127353	0.563305	ENSMUSG01110051M
ENSMUSG0	384.7678	-0.50524	0.3314	-1.52457	0.127366	0.563305	ENSMUSG01500009L1
ENSMUSG0	811.7294	-0.30986	0.203247	-1.52452	0.127378	0.563305	ENSMUSG0 Enpep
ENSMUSG0	4.269437	-1.20781	0.792268	-1.5245	0.127385	0.563305	ENSMUSG0 Fat2
ENSMUSG0	38.19522	0.662987	0.434931	1.524349	0.127422	0.563312	ENSMUSG0 Spns3
ENSMUSG0	275.6297	-0.26688	0.175091	-1.52425	0.127445	0.563312	ENSMUSG0 Zfp748
ENSMUSG0	1371.54	0.1697	0.111352	1.523997	0.12751	0.563467	ENSMUSG0 Dmwd
ENSMUSG0	198.2043	0.361126	0.23702	1.523606	0.127607	0.563769	ENSMUSG0 Zfp763
ENSMUSG0	533.3824	-0.26708	0.175342	-1.52321	0.127705	0.564074	ENSMUSG0 Edc3
ENSMUSG0	215.3603	-0.46022	0.302221	-1.52279	0.127811	0.564412	ENSMUSG0 Lingo1
ENSMUSG0	78.34633	-0.46255	0.303809	-1.52251	0.127881	0.56459	ENSMUSG0 Aph1c
ENSMUSG0	120.3893	1.364173	0.896119	1.522313	0.127931	0.56468	ENSMUSG0 Ankrd1
ENSMUSG0	18.16852	1.133332	0.744543	1.522185	0.127963	0.564692	ENSMUSG02610307P1
ENSMUSG0	635.4284	0.306615	0.20147	1.521887	0.128037	0.564892	ENSMUSG0 Negr1
ENSMUSG0	5.32094	-1.35116	0.888077	-1.52144	0.128149	0.565253	ENSMUSG0 Gm34654
ENSMUSG0	3.71655	-1.39265	0.915535	-1.52113	0.128228	0.565292	ENSMUSG0 Acot5
ENSMUSG0	294.5551	-0.30277	0.199044	-1.52112	0.128231	0.565292	ENSMUSG0 Glt1d1
ENSMUSG0	239.1016	0.829794	0.545538	1.521057	0.128246	0.565292	ENSMUSG0 Tagap
ENSMUSG0	1304.411	-0.29941	0.19691	-1.52052	0.12838	0.565618	ENSMUSG0 Cnot8
ENSMUSG0	13.80209	-0.8898	0.585203	-1.52051	0.128384	0.565618	ENSMUSG0 Gm15747
ENSMUSG0	259.732	-0.34311	0.22567	-1.52041	0.128408	0.565618	ENSMUSG0 B3gnt9

ENSMUSG0	756.4452	0.273813	0.180121	1.520164	0.12847	0.565733	ENSMUSG0 Arhgap44
ENSMUSG0	645.504	-0.28935	0.19035	-1.52007	0.128493	0.565733	ENSMUSG0 Bcl6b
ENSMUSG0	1548.778	-0.24702	0.162563	-1.51951	0.128633	0.566183	ENSMUSG0 Slc35e1
ENSMUSG0	599.2861	-0.38675	0.254534	-1.51943	0.128654	0.566183	ENSMUSG0 Ddit3
ENSMUSG0	57.37085	0.695122	0.457533	1.519284	0.128691	0.566217	ENSMUSG0 G0s2
ENSMUSG0	23.25811	-0.59375	0.390841	-1.51916	0.128723	0.566226	ENSMUSG0 H4c4
ENSMUSG0	66.66513	0.55562	0.365785	1.51898	0.128768	0.566295	ENSMUSG0 Ddit4l
ENSMUSG0	25.58785	1.02097	0.672213	1.518817	0.128808	0.566345	ENSMUSG0 Omg
ENSMUSG0	8.694701	-2.12836	1.401835	-1.51827	0.128947	0.56662	ENSMUSG0 Fam71d
ENSMUSG0	548.5605	0.515682	0.339658	1.518241	0.128954	0.56662	ENSMUSG0 Prex1
ENSMUSG0	33.29609	-1.15044	0.757799	-1.51814	0.128979	0.56662	ENSMUSG01810010K1
ENSMUSG0	673.5337	-0.29447	0.193984	-1.518	0.129015	0.56662	ENSMUSG0 Prkcz
ENSMUSG0	2132.895	-0.26681	0.175764	-1.51798	0.129018	0.56662	ENSMUSG0 Sptbn4
ENSMUSG0	4.504336	1.464757	0.965168	1.517619	0.129111	0.566866	ENSMUSG0 Tmem182
ENSMUSG0	11.68317	1.642106	1.0823	1.517237	0.129207	0.566866	ENSMUSG0 Tmem273
ENSMUSG0	479.7954	0.341574	0.225139	1.517171	0.129224	0.566866	ENSMUSG0 Clcn6
ENSMUSG0	12218.27	-0.24808	0.163518	-1.51712	0.129236	0.566866	ENSMUSG0 Tle5
ENSMUSG0	3.094464	1.436401	0.946831	1.517062	0.129251	0.566866	ENSMUSG0 Gm38286
ENSMUSG0	4.392181	1.266628	0.835104	1.51673	0.129335	0.566909	ENSMUSG0 Rnf17
ENSMUSG0	77.41302	0.684562	0.451341	1.516728	0.129335	0.566909	ENSMUSG0 Thsd7a
ENSMUSG0	47.05778	-0.57334	0.378048	-1.51658	0.129374	0.566909	ENSMUSG0 Jhy
ENSMUSG0	5.153879	-1.31933	0.86995	-1.51656	0.129379	0.566909	ENSMUSG0 Gm26588
ENSMUSG0	86.62814	0.446065	0.294283	1.515771	0.129577	0.567537	ENSMUSG0 Grem2
ENSMUSG0	23.52436	-0.76472	0.504579	-1.51556	0.12963	0.567537	ENSMUSG0 Gm47405
ENSMUSG0	1409.717	-0.31928	0.210719	-1.51521	0.12972	0.567537	ENSMUSG0 Gpr158
ENSMUSG0	140.3532	-0.41218	0.272034	-1.51519	0.129723	0.567537	ENSMUSG0 Trmt10a
ENSMUSG0	318.7767	0.842931	0.556328	1.515168	0.12973	0.567537	ENSMUSG0 Abcc3
ENSMUSG0	784.0374	-0.20228	0.133504	-1.51513	0.129738	0.567537	ENSMUSG0 Pigv
ENSMUSG0	2191.812	-0.25391	0.167587	-1.51512	0.129742	0.567537	ENSMUSG0 Cdc42se2
ENSMUSG0	397.4423	0.721494	0.476216	1.515057	0.129758	0.567537	ENSMUSG0 Inpp5d
ENSMUSG0	3.857532	-1.59868	1.055897	-1.51405	0.130013	0.568524	ENSMUSG0 Clec4e
ENSMUSG0	204.5586	0.802651	0.530275	1.51365	0.130115	0.568837	ENSMUSG0 Arhgap9
ENSMUSG0	5.968604	1.331564	0.879944	1.513238	0.130219	0.569137	ENSMUSG0 Clec1b
ENSMUSG0	426.399	-0.2907	0.192119	-1.51315	0.130242	0.569137	ENSMUSG0 B3galt6
ENSMUSG0	110.517	-0.39151	0.258773	-1.51294	0.130296	0.569185	ENSMUSG0 Depdc7
ENSMUSG0	4101.86	-0.30758	0.203313	-1.51283	0.130322	0.569185	ENSMUSG0 H1f2
ENSMUSG0	354.8012	0.342172	0.22621	1.51263	0.130374	0.569185	ENSMUSG0 Sash1
ENSMUSG0	1734.958	0.167601	0.110802	1.512613	0.130378	0.569185	ENSMUSG0 Ets2
ENSMUSG0	645.19	0.614176	0.406073	1.512476	0.130413	0.569185	ENSMUSG0 Thbs1
ENSMUSG0	573.6762	0.205876	0.136125	1.512405	0.130431	0.569185	ENSMUSG0 St7l
ENSMUSG0	12.84278	0.936116	0.619099	1.512061	0.130518	0.569367	ENSMUSG0 Fibcd1
ENSMUSG0	12.3551	-0.94376	0.624174	-1.51201	0.130532	0.569367	ENSMUSG0E130018N1
ENSMUSG0	558.8634	-0.36019	0.238254	-1.51179	0.130587	0.569425	ENSMUSG0 Nuak2
ENSMUSG0	60.28299	0.453812	0.300239	1.511501	0.130661	0.569425	ENSMUSG0 Gm50010
ENSMUSG0	1396.775	-0.44626	0.295247	-1.51148	0.130665	0.569425	ENSMUSG0 Ddit4
ENSMUSG0	192.6996	-0.48102	0.318286	-1.51129	0.130714	0.569425	ENSMUSG0 Tcf7l1
ENSMUSG0	489.2418	0.252944	0.167371	1.511281	0.130717	0.569425	ENSMUSG0 Nova2
ENSMUSG0	776.0863	0.32987	0.218296	1.511116	0.130759	0.569425	ENSMUSG0 Synpo
ENSMUSG0	638.702	0.312245	0.206638	1.511078	0.130769	0.569425	ENSMUSG0 Reep2
ENSMUSG0	722.428	-0.24844	0.164432	-1.51092	0.130809	0.569425	ENSMUSG0 Zxdc
ENSMUSG0	89.63196	-0.87472	0.578938	-1.51091	0.130811	0.569425	ENSMUSG0 Exoc3l4
ENSMUSG0	529.9119	0.373414	0.247248	1.510283	0.130971	0.569863	ENSMUSG0 Acvrl1

ENSMUSG0	164.3712	0.428474	0.283737	1.510109	0.131016	0.569927	ENSMUSG0	Cyb5d1
ENSMUSG0	63.47589	0.44863	0.297151	1.509771	0.131102	0.570141	ENSMUSG0	Zfp85
ENSMUSG0	288.3561	-0.40252	0.266627	-1.50968	0.131124	0.570141	ENSMUSG0	Snrpf
ENSMUSG0	870.5105	0.207653	0.137581	1.509314	0.131218	0.570422	ENSMUSG0	Plscr3
ENSMUSG0	69677.48	-0.45259	0.299938	-1.50894	0.131314	0.570541	ENSMUSG0	mt-Cytb
ENSMUSG0	998.9531	0.231883	0.153678	1.508891	0.131327	0.570541	ENSMUSG0	Dhx38
ENSMUSG0	993.9082	1.092485	0.724047	1.508859	0.131335	0.570541	ENSMUSG0	Prph
ENSMUSG0	61.30025	-0.37745	0.250174	-1.50873	0.131367	0.570551	ENSMUSG0	Fbxl21
ENSMUSG0	56.80161	0.550264	0.364762	1.508554	0.131413	0.570572	ENSMUSG0	Nrip2
ENSMUSG0	4.948366	-1.32857	0.880796	-1.50837	0.131459	0.570572	ENSMUSG0	Tslp
ENSMUSG0	211.6398	-0.35441	0.234969	-1.50831	0.131474	0.570572	ENSMUSG0	Gm16536
ENSMUSG0	152.8117	-1.00812	0.668401	-1.50825	0.13149	0.570572	ENSMUSG0	Slc47a2
ENSMUSG0	687.8067	-0.21718	0.144142	-1.50669	0.13189	0.571996	ENSMUSG0	Mmgt1
ENSMUSG0	4.155519	-1.47789	0.980921	-1.50664	0.131904	0.571996	ENSMUSG0	Tlhc2
ENSMUSG0	248.8227	-0.38845	0.257831	-1.50659	0.131916	0.571996	ENSMUSG0	Zswim7
ENSMUSG0	947.8932	0.285066	0.189232	1.506439	0.131954	0.571996	ENSMUSG0	Lims1
ENSMUSG0	8.88872	-0.87311	0.579606	-1.50639	0.131967	0.571996	ENSMUSG0	Gm11772
ENSMUSG0	6.257478	-1.30705	0.868077	-1.50568	0.132149	0.572641	ENSMUSG0	Gm44801
ENSMUSG0	357.7096	0.42147	0.27998	1.505358	0.132232	0.572641	ENSMUSG0	Slfn5
ENSMUSG0	1468.353	-0.27258	0.181078	-1.5053	0.132247	0.572641	ENSMUSG0	Lpcat3
ENSMUSG0	181.1824	-0.32793	0.21787	-1.50517	0.132281	0.572641	ENSMUSG0	Dmac2l
ENSMUSG0	259.0681	0.302909	0.201249	1.505147	0.132286	0.572641	ENSMUSG0	Gm2415
ENSMUSG0	2652.232	-0.4067	0.270213	-1.50511	0.132295	0.572641	ENSMUSG0	Ppib
ENSMUSG0	547.6003	-0.36874	0.245078	-1.5046	0.132427	0.572951	ENSMUSG0	Mrpl53
ENSMUSG0	244.0679	0.345324	0.229541	1.504408	0.132476	0.572951	ENSMUSG0	Cchcr1
ENSMUSG0	251.8267	0.27541	0.183071	1.504389	0.132481	0.572951	ENSMUSG0	Tpk1
ENSMUSG0	17.00508	-0.89307	0.593647	-1.50437	0.132485	0.572951	ENSMUSG0	Gm49660
ENSMUSG0	310.3981	0.41971	0.279015	1.504257	0.132515	0.572951	ENSMUSG0	Sgce
ENSMUSG0	151.2643	-0.60272	0.400752	-1.50397	0.13259	0.573147	ENSMUSG0	A2ml1
ENSMUSG0	92.05705	0.405373	0.269566	1.503802	0.132632	0.573201	ENSMUSG0	Gpm6a
ENSMUSG0	43.32657	-0.65699	0.436938	-1.50362	0.13268	0.573278	ENSMUSG0	Dnah8
ENSMUSG0	3.442968	-1.54979	1.03097	-1.50324	0.132778	0.573403	ENSMUSG0	Gm43884
ENSMUSG0	140.6775	0.42235	0.280962	1.503228	0.13278	0.573403	ENSMUSG0	Gpr157
ENSMUSG0	14.62066	0.924446	0.615003	1.503158	0.132798	0.573403	ENSMUSG0	1110002E2
ENSMUSG0	216.9036	-1.32312	0.880568	-1.50258	0.132948	0.573864	ENSMUSG0	Homer2
ENSMUSG0	1376.29	-0.27358	0.182089	-1.50243	0.132987	0.573864	ENSMUSG0	Bmi1
ENSMUSG0	2649.413	-0.32942	0.219262	-1.5024	0.132995	0.573864	ENSMUSG0	Atp6v1g1
ENSMUSG0	231.9821	-0.37326	0.248498	-1.50206	0.133081	0.574109	ENSMUSG0	Aox1
ENSMUSG0	52.09113	0.419887	0.279602	1.501732	0.133166	0.574255	ENSMUSG0	E230016M:
ENSMUSG0	590.8959	0.263586	0.175525	1.501699	0.133175	0.574255	ENSMUSG0	Bri3bp
ENSMUSG0	201.9776	0.614739	0.409508	1.501165	0.133313	0.574653	ENSMUSG0	Caly
ENSMUSG0	1925.885	-0.28192	0.187807	-1.50111	0.133327	0.574653	ENSMUSG0	Brd3
ENSMUSG0	273.2317	-0.336	0.223881	-1.50081	0.133405	0.574749	ENSMUSG0	Pex10
ENSMUSG0	20087.05	-0.23492	0.156553	-1.50059	0.133462	0.574749	ENSMUSG0	Calr
ENSMUSG0	86.2061	0.425298	0.283461	1.500377	0.133517	0.574749	ENSMUSG0	Usp43
ENSMUSG0	107.3944	-0.91584	0.61041	-1.50037	0.133518	0.574749	ENSMUSG0	Gp1bb
ENSMUSG0	187.9802	0.920256	0.613377	1.50031	0.133534	0.574749	ENSMUSG0	Pdpn
ENSMUSG0	1134.795	-0.34079	0.22716	-1.5002	0.133563	0.574749	ENSMUSG0	Dhx16
ENSMUSG0	3.602366	2.600267	1.733395	1.500101	0.133588	0.574749	ENSMUSG0	Alox15
ENSMUSG0	71.65761	0.463572	0.309044	1.50002	0.133609	0.574749	ENSMUSG0	AW011738
ENSMUSG0	39.67388	-0.66957	0.446381	-1.49999	0.133618	0.574749	ENSMUSG0	09430065F1
ENSMUSG0	192.3013	-0.27608	0.184077	-1.49979	0.133668	0.574836	ENSMUSG0	Zfp235

ENSMUSG0	776.6935	-0.30291	0.202023	-1.49936	0.13378	0.575175	ENSMUSG0 H2aw
ENSMUSG0	1067.699	-0.3939	0.26273	-1.49926	0.133807	0.575175	ENSMUSG0 Dpp7
ENSMUSG0	123.9995	1.667052	1.112241	1.498823	0.13392	0.575531	ENSMUSG0 Cd8b1
ENSMUSG0	98.08444	0.60137	0.401333	1.498431	0.134021	0.575839	ENSMUSG0 Col28a1
ENSMUSG0	794.768	0.467133	0.311824	1.498064	0.134117	0.575973	ENSMUSG0 S100a16
ENSMUSG0	363.3847	0.339642	0.226734	1.497976	0.13414	0.575973	ENSMUSG0 Lmnbl
ENSMUSG0	11.83014	0.905025	0.60417	1.497965	0.134142	0.575973	ENSMUSG0 Gm10575
ENSMUSG0	124.8539	0.819653	0.547246	1.497779	0.134191	0.576016	ENSMUSG0 Nacad
ENSMUSG0	188.7619	0.646189	0.431484	1.497594	0.134239	0.576016	ENSMUSG0 Rgs10
ENSMUSG0	156.7072	-0.46939	0.31343	-1.49758	0.134242	0.576016	ENSMUSG0 B3galt2
ENSMUSG0	953.2066	-0.21537	0.143855	-1.49714	0.134358	0.576385	ENSMUSG0 Pex26
ENSMUSG0	14.04131	0.849712	0.567625	1.49696	0.134404	0.576453	ENSMUSG0 Zfp575
ENSMUSG0	559.9347	-0.37773	0.252365	-1.49675	0.13446	0.576564	ENSMUSG0 Trpm4
ENSMUSG0	2379.276	-0.29171	0.194945	-1.49636	0.13456	0.576866	ENSMUSG0 Uba5
ENSMUSG0	161.0569	0.364028	0.243313	1.496131	0.13462	0.576942	ENSMUSG0 Sfxn5
ENSMUSG0	1888.539	-0.25067	0.167552	-1.49605	0.13464	0.576942	ENSMUSG0 Sypl
ENSMUSG0	707.318	-0.37578	0.251197	-1.49595	0.134668	0.576942	ENSMUSG0 Triap1
ENSMUSG0	120.1619	0.380233	0.254216	1.495708	0.13473	0.577079	ENSMUSG0 Rps6ka6
ENSMUSG0	393.1685	-0.24965	0.167006	-1.49484	0.134956	0.57792	ENSMUSG0 Dcaf17
ENSMUSG0	208.9988	-0.24834	0.166174	-1.49448	0.13505	0.578194	ENSMUSG0 Dlgap1
ENSMUSG0	815.9004	-0.37665	0.252057	-1.4943	0.135098	0.578203	ENSMUSG0 Fktn
ENSMUSG0	1881.741	-0.3078	0.206027	-1.49399	0.135179	0.578203	ENSMUSG0 Pcnx
ENSMUSG0	5.042937	1.130191	0.756506	1.49396	0.135186	0.578203	ENSMUSG0 Gm18095
ENSMUSG0	959.7705	0.249168	0.166792	1.49389	0.135204	0.578203	ENSMUSG0 Map2k4
ENSMUSG0	264.4114	0.336959	0.225562	1.493868	0.13521	0.578203	ENSMUSG0 Acsi3
ENSMUSG0	31.91941	-0.59462	0.398065	-1.49378	0.135233	0.578203	ENSMUSG0 B930094E0
ENSMUSG0	186.7887	-0.66434	0.444814	-1.49352	0.1353	0.57832	ENSMUSG0 4933427D1
ENSMUSG0	114.4719	-1.37506	0.920726	-1.49345	0.13532	0.57832	ENSMUSG0 Aldh1a7
ENSMUSG0	2041.851	-0.22427	0.150196	-1.4932	0.135386	0.578471	ENSMUSG0 Tor1b
ENSMUSG0	7.102955	0.940782	0.630129	1.492999	0.135437	0.578564	ENSMUSG0 Sox2
ENSMUSG0	637.4347	-0.29002	0.194273	-1.49283	0.135481	0.578622	ENSMUSG0 Exosc5
ENSMUSG0	20.24258	1.135367	0.760999	1.491944	0.135714	0.579461	ENSMUSG0 Il5ra
ENSMUSG0	921.0029	-0.26066	0.174723	-1.49185	0.135738	0.579461	ENSMUSG0 Aar2
ENSMUSG0	703.8802	-0.2846	0.190815	-1.49149	0.135833	0.579738	ENSMUSG0 1110038F1
ENSMUSG0	1129.317	-0.25969	0.174151	-1.49116	0.135919	0.579978	ENSMUSG0 Med16
ENSMUSG0	1017.517	-0.21837	0.146469	-1.49088	0.135992	0.580055	ENSMUSG0 Slc7a4
ENSMUSG0	680.1419	-0.21808	0.14628	-1.49086	0.135997	0.580055	ENSMUSG0 Ado
ENSMUSG0	15.25488	-1.32768	0.89062	-1.49073	0.136032	0.580073	ENSMUSG0 Nup62cl
ENSMUSG0	79.11848	0.690255	0.463091	1.490538	0.136083	0.580162	ENSMUSG0 Zfp521
ENSMUSG0	9.517114	0.839433	0.563357	1.490056	0.13621	0.580567	ENSMUSG0 Gm17102
ENSMUSG0	61.65356	-0.49057	0.329291	-1.48978	0.136282	0.580567	ENSMUSG0 Sap25
ENSMUSG0	2220.913	-0.22494	0.150993	-1.48976	0.136287	0.580567	ENSMUSG0 Aldh18a1
ENSMUSG0	321.0574	0.342007	0.22958	1.489708	0.136301	0.580567	ENSMUSG0 A330023F2
ENSMUSG0	615.248	-0.28771	0.193148	-1.4896	0.136329	0.580567	ENSMUSG0 Rnf138
ENSMUSG0	91.70757	0.897374	0.602474	1.489481	0.136361	0.580574	ENSMUSG0 Cacna1e
ENSMUSG0	9.676536	1.535882	1.031442	1.489062	0.136471	0.580916	ENSMUSG0 BC021767
ENSMUSG0	16.44881	-0.59655	0.400708	-1.48875	0.136554	0.581101	ENSMUSG0 Amh
ENSMUSG0	479.9699	-0.28883	0.194017	-1.48867	0.136575	0.581101	ENSMUSG0 Pawr
ENSMUSG0	2747.693	-0.23245	0.156188	-1.48826	0.136683	0.58143	ENSMUSG0 Grina
ENSMUSG0	1657.366	0.206487	0.138772	1.487958	0.136762	0.581461	ENSMUSG0 Calu
ENSMUSG0	86.95238	0.448058	0.301129	1.487931	0.136769	0.581461	ENSMUSG0 Rad51
ENSMUSG0	1121.652	-0.22268	0.149663	-1.48789	0.136781	0.581461	ENSMUSG0 Zfp346

ENSMUSG0	837.8203	-0.21119	0.141957	-1.48773	0.136823	0.581512	ENSMUSG0 Kat2a
ENSMUSG0	12.6093	-0.80469	0.541095	-1.48716	0.136973	0.582023	ENSMUSG0 Gm37255
ENSMUSG0	1554.078	-0.2066	0.138935	-1.48699	0.137017	0.582048	ENSMUSG0 Vwa8
ENSMUSG0	55.54037	1.2292	0.826683	1.486906	0.13704	0.582048	ENSMUSG0 Madcam1
ENSMUSG0	381.031	0.245314	0.16503	1.486479	0.137153	0.582387	ENSMUSG0 Armc6
ENSMUSG0	15.03431	-0.60849	0.40938	-1.48637	0.13718	0.582387	ENSMUSG0 Gm19590
ENSMUSG0	130.7199	0.500204	0.336692	1.485641	0.137374	0.583082	ENSMUSG0 Lhfp
ENSMUSG0	6.10081	-1.00928	0.679435	-1.48547	0.137418	0.583141	ENSMUSG0 Gm49586
ENSMUSG0	11.45496	0.685576	0.461598	1.485224	0.137484	0.583182	ENSMUSG0 Gm49083
ENSMUSG0	7829.458	-0.19962	0.134405	-1.48521	0.137489	0.583182	ENSMUSG0 Eif5a
ENSMUSG0	294.3621	-0.29071	0.195758	-1.48507	0.137526	0.583211	ENSMUSG0 Fam118b
ENSMUSG0	1098.271	-0.21613	0.145567	-1.48478	0.137601	0.583322	ENSMUSG0 Pepd
ENSMUSG0	110052.3	-1.47549	0.993841	-1.48464	0.13764	0.583322	ENSMUSG0 Ctrl
ENSMUSG0	6.319087	1.618368	1.090084	1.484627	0.137643	0.583322	ENSMUSG0 Padi4
ENSMUSG0	396.2482	-0.35944	0.242202	-1.48404	0.137797	0.583848	ENSMUSG0 Slc46a3
ENSMUSG0	346.9774	-0.49317	0.33235	-1.48389	0.137838	0.583864	ENSMUSG0 Tmem126a
ENSMUSG0	487.6879	0.221562	0.149339	1.483616	0.137911	0.583864	ENSMUSG0 Sec22a
ENSMUSG0	5265.191	-0.25196	0.169835	-1.48354	0.13793	0.583864	ENSMUSG0 Sars
ENSMUSG0	4.931846	1.51398	1.02057	1.483465	0.137951	0.583864	ENSMUSG0 Hsf2bp
ENSMUSG0	1172.295	0.165798	0.111765	1.483458	0.137953	0.583864	ENSMUSG0 Rabgap1l
ENSMUSG0	804.2039	0.266825	0.179904	1.483152	0.138034	0.584079	ENSMUSG0 Nup93
ENSMUSG0	5.093526	-1.76546	1.190661	-1.48276	0.138139	0.584396	ENSMUSG0 Smc1b
ENSMUSG0	20.96658	-1.25935	0.849472	-1.48251	0.138204	0.584518	ENSMUSG0 Sdr9c7
ENSMUSG0	1138.195	-0.57822	0.390055	-1.48242	0.138229	0.584518	ENSMUSG0 Gcat
ENSMUSG0	597.457	-0.26552	0.179166	-1.48199	0.138344	0.584876	ENSMUSG0 Thap7
ENSMUSG0	239.4207	0.45778	0.308938	1.481787	0.138397	0.584971	ENSMUSG0 Arhgef15
ENSMUSG0	62.92997	-0.38775	0.261741	-1.48142	0.138495	0.585173	ENSMUSG0 Gm50107
ENSMUSG0	340.3574	-0.23683	0.159873	-1.48135	0.138513	0.585173	ENSMUSG0 Med27
ENSMUSG0	762.4359	0.345067	0.232954	1.481265	0.138536	0.585173	ENSMUSG0 Cx3cl1
ENSMUSG0	613.5953	-0.33678	0.227426	-1.48083	0.138651	0.585532	ENSMUSG0 Srek1ip1
ENSMUSG0	381.3338	-0.32977	0.222728	-1.48058	0.138719	0.585689	ENSMUSG0 N6amt1
ENSMUSG0	1938.928	0.279077	0.188585	1.479845	0.138915	0.586386	ENSMUSG0 Cntfr
ENSMUSG0	17560.37	-0.38206	0.258237	-1.4795	0.139006	0.586528	ENSMUSG0 Eif1
ENSMUSG0	1992.873	-0.36193	0.244646	-1.47942	0.139028	0.586528	ENSMUSG0 Mib1
ENSMUSG0	620.4661	0.216409	0.146284	1.479377	0.13904	0.586528	ENSMUSG0 Rps6kc1
ENSMUSG0	38.28506	0.656455	0.443868	1.478944	0.139155	0.586771	ENSMUSG0 Slc24a3
ENSMUSG0	1145.111	-0.41796	0.282624	-1.47885	0.139179	0.586771	ENSMUSG0 Ccnt1
ENSMUSG0	29.47273	1.202763	0.813327	1.478818	0.139189	0.586771	ENSMUSG0 Mab21l4
ENSMUSG0	53.79003	-0.51353	0.347398	-1.47821	0.139352	0.587329	ENSMUSG0 Ino80dos
ENSMUSG0	277.22	0.551039	0.372987	1.477367	0.139577	0.588151	ENSMUSG0 Rassf5
ENSMUSG0	96.95804	0.329987	0.223411	1.477042	0.139664	0.588389	ENSMUSG0 Zc4h2
ENSMUSG0	635.1441	-0.26917	0.182276	-1.47674	0.139744	0.588535	ENSMUSG0 Scyl3
ENSMUSG0	1097.65	-0.42844	0.290157	-1.47659	0.139785	0.588535	ENSMUSG0 Dynlt1f
ENSMUSG0	7.578197	1.089962	0.738266	1.476381	0.139842	0.588535	ENSMUSG0 Gast
ENSMUSG0	1383.248	0.421933	0.285791	1.476365	0.139846	0.588535	ENSMUSG0 Atp2b4
ENSMUSG0	197.4844	0.309776	0.20984	1.476249	0.139877	0.588535	ENSMUSG0 Haus4
ENSMUSG0	16.62273	-0.81337	0.550978	-1.47623	0.139883	0.588535	ENSMUSG0 Crybb1
ENSMUSG0	218.6742	0.73163	0.495793	1.475676	0.140031	0.58901	ENSMUSG0 Adcy7
ENSMUSG0	136.6788	-0.41262	0.279634	-1.47558	0.140057	0.58901	ENSMUSG0 Hscb
ENSMUSG0	79.13969	-0.37948	0.257214	-1.47536	0.140115	0.589088	ENSMUSG0 Igsf11
ENSMUSG0	6.931972	0.888335	0.602202	1.475145	0.140174	0.589088	ENSMUSG0 Gm38037
ENSMUSG0	1610.729	-0.25699	0.174222	-1.47508	0.14019	0.589088	ENSMUSG0 Abcg1

ENSMUSG0	915.1951	-0.20573	0.13947	-1.47505	0.140198	0.589088	ENSMUSG0 Mrpl4
ENSMUSG0	441.3257	0.807423	0.547435	1.47492	0.140234	0.589096	ENSMUSG0 Dock2
ENSMUSG0	689.545	0.256464	0.173914	1.474655	0.140305	0.589096	ENSMUSG0 Pold3
ENSMUSG0	33.64343	0.60892	0.412925	1.47465	0.140307	0.589096	ENSMUSG0 Prdm9
ENSMUSG0	16.88149	-0.87099	0.590704	-1.4745	0.140348	0.589096	ENSMUSG0 Gm9949
ENSMUSG0	904.0629	-0.22153	0.150245	-1.47448	0.140353	0.589096	ENSMUSG0 Ovca2
ENSMUSG0	18.5301	-0.89891	0.609853	-1.47399	0.140486	0.589513	ENSMUSG09530056E2
ENSMUSG0	2108.743	-0.24468	0.166019	-1.47383	0.140528	0.589513	ENSMUSG0 Yipf5
ENSMUSG0	746.4005	0.249667	0.169416	1.473694	0.140564	0.589513	ENSMUSG0 Vhl
ENSMUSG0	541.1695	-0.3685	0.250062	-1.47365	0.140575	0.589513	ENSMUSG0 Macrocl1
ENSMUSG0	4557.653	-0.32174	0.218426	-1.47301	0.140749	0.58988	ENSMUSG0 Uso1
ENSMUSG0	927.1162	-0.29731	0.20186	-1.47287	0.140786	0.58988	ENSMUSG0 Prkar2a
ENSMUSG0	247.6332	0.338382	0.229766	1.472724	0.140826	0.58988	ENSMUSG0 Septin3
ENSMUSG0	67.90478	1.016629	0.690334	1.472663	0.140842	0.58988	ENSMUSG0 Siglec1
ENSMUSG0	251.2944	0.870581	0.591161	1.472663	0.140842	0.58988	ENSMUSG0 Lrg1
ENSMUSG0	75.03275	0.40963	0.278159	1.472647	0.140846	0.58988	ENSMUSG0 Csdcl2
ENSMUSG0	8.1332	1.221283	0.829503	1.472307	0.140938	0.590136	ENSMUSG0 Fam43b
ENSMUSG0	2332.162	0.512963	0.348508	1.471881	0.141053	0.590292	ENSMUSG0 Gm5641
ENSMUSG0	166.5198	0.329062	0.223579	1.471796	0.141076	0.590292	ENSMUSG0 Ankrd23
ENSMUSG0	982.8196	-0.2639	0.179315	-1.4717	0.141101	0.590292	ENSMUSG0 BC017158
ENSMUSG0	52.19204	0.59515	0.404413	1.47164	0.141118	0.590292	ENSMUSG0 Rasef
ENSMUSG0	67289.73	-0.34527	0.234625	-1.4716	0.141129	0.590292	ENSMUSG0 Gm28661
ENSMUSG0	12.67678	-1.25611	0.853766	-1.47125	0.141223	0.590557	ENSMUSG09630050E1
ENSMUSG0	19.92311	0.881401	0.599263	1.470808	0.141343	0.590931	ENSMUSG0 H2-Q10
ENSMUSG0	5.441117	1.181292	0.803397	1.470372	0.141461	0.591296	ENSMUSG0 Tmem202
ENSMUSG0	387.3588	-0.27423	0.18654	-1.4701	0.141533	0.59147	ENSMUSG0 Kdm1b
ENSMUSG0	7.979481	1.278537	0.870037	1.469519	0.141692	0.591892	ENSMUSG0 Atp6v1b1
ENSMUSG0	1399.647	-0.21519	0.146444	-1.46945	0.141712	0.591892	ENSMUSG0 Fbxw5
ENSMUSG0	159.227	0.48991	0.33341	1.469391	0.141727	0.591892	ENSMUSG0 Tm6sf1
ENSMUSG0	53.10753	0.417382	0.284149	1.468886	0.141864	0.591969	ENSMUSG0 Ccdc96
ENSMUSG0	40.97325	-0.62418	0.424944	-1.46885	0.141874	0.591969	ENSMUSG0 Gm15612
ENSMUSG0	684.0606	0.439525	0.299243	1.468787	0.14189	0.591969	ENSMUSG0 Hhex
ENSMUSG0	613.574	0.522306	0.355609	1.468768	0.141896	0.591969	ENSMUSG0 Fstl1
ENSMUSG0	1256.631	0.503858	0.343057	1.468726	0.141907	0.591969	ENSMUSG0 Sparcl1
ENSMUSG0	4250.636	0.253952	0.172916	1.468642	0.14193	0.591969	ENSMUSG0 Itgb1
ENSMUSG0	3.662825	1.442696	0.982768	1.467993	0.142106	0.592516	ENSMUSG0 Frmpd3
ENSMUSG0	14.08489	1.353922	0.922333	1.467932	0.142123	0.592516	ENSMUSG0 Cyp2b10
ENSMUSG0	1348.193	-0.422	0.287513	-1.46775	0.142173	0.592516	ENSMUSG0 Wnk4
ENSMUSG0	4.974128	-1.25041	0.852014	-1.46759	0.142215	0.592516	ENSMUSG0 Pde6g
ENSMUSG0	4.343841	-1.27397	0.868114	-1.46751	0.142237	0.592516	ENSMUSG0 Gm48566
ENSMUSG0	1059.866	-0.23126	0.15762	-1.46721	0.142319	0.592516	ENSMUSG0 Orai3
ENSMUSG0	121.6598	-0.57891	0.394576	-1.46718	0.142327	0.592516	ENSMUSG0 C1rl
ENSMUSG0	642.2714	-0.30924	0.210798	-1.46701	0.142373	0.592516	ENSMUSG0 Exosc7
ENSMUSG0	225.7363	-0.60033	0.409295	-1.46675	0.142445	0.592516	ENSMUSG0 Mid1
ENSMUSG0	4349.779	1.211096	0.825709	1.466736	0.142448	0.592516	ENSMUSG0 Krt19
ENSMUSG0	659.1198	0.222133	0.151452	1.466696	0.142459	0.592516	ENSMUSG0 Gnb5
ENSMUSG0	14.06814	0.878396	0.59894	1.466586	0.142489	0.592516	ENSMUSG0 Pcdhb15
ENSMUSG0	84.65918	0.485827	0.331267	1.466573	0.142492	0.592516	ENSMUSG0 Nek2
ENSMUSG0	28.89847	-0.63987	0.436343	-1.46645	0.142526	0.59252	ENSMUSG0 Vsig8
ENSMUSG0	7.216181	1.026723	0.700192	1.466344	0.142555	0.59252	ENSMUSG0 Cacng8
ENSMUSG0	1884.454	-0.22912	0.156317	-1.46575	0.142716	0.592977	ENSMUSG0 Pnmal1
ENSMUSG0	60.74922	0.472428	0.322326	1.465685	0.142734	0.592977	ENSMUSG0 Gm45902

ENSMUSG0	61.01175	0.680067	0.464051	1.465502	0.142784	0.592977	ENSMUSG0	Nudt17
ENSMUSG0	2.94655	-1.25118	0.853762	-1.46549	0.142788	0.592977	ENSMUSG0	Gm6142
ENSMUSG0	547.567	-0.25539	0.174328	-1.46497	0.142929	0.593104	ENSMUSG0	Fbxl2
ENSMUSG0	15.28643	0.65754	0.448842	1.464969	0.142929	0.593104	ENSMUSG0	Efhhb
ENSMUSG0	558.3073	-0.27889	0.190377	-1.46496	0.142933	0.593104	ENSMUSG0	Tada2b
ENSMUSG0	9.750418	-0.8661	0.591229	-1.46492	0.142942	0.593104	ENSMUSG0	C3110053B1
ENSMUSG0	288.1085	0.315905	0.215675	1.464722	0.142997	0.593204	ENSMUSG0	Cdc25b
ENSMUSG0	548.7117	0.260985	0.1782	1.464565	0.14304	0.593254	ENSMUSG0	Stx17
ENSMUSG0	139.7671	-0.36528	0.249446	-1.46437	0.143092	0.593341	ENSMUSG0	Zfp93
ENSMUSG0	194.5361	0.270576	0.184788	1.464252	0.143125	0.593352	ENSMUSG0	Zfp7
ENSMUSG0	2629.224	0.245512	0.167717	1.463849	0.143235	0.593681	ENSMUSG0	Pafah1b2
ENSMUSG0	5930.162	-0.33875	0.231471	-1.46347	0.143339	0.593983	ENSMUSG0	Mia3
ENSMUSG0	228.3194	0.272419	0.186251	1.462642	0.143565	0.594618	ENSMUSG0	Agk
ENSMUSG0	2246.019	-0.18043	0.123368	-1.46257	0.143585	0.594618	ENSMUSG0	Pigq
ENSMUSG0	733.7222	0.362585	0.247909	1.46257	0.143585	0.594618	ENSMUSG0	Ift80
ENSMUSG0	106.3851	0.570954	0.390518	1.462041	0.14373	0.59509	ENSMUSG0	Shroom4
ENSMUSG0	8.138803	-1.09623	0.750009	-1.46162	0.143846	0.595443	ENSMUSG0	A530001N2
ENSMUSG0	19.70358	-0.72144	0.493814	-1.46095	0.14403	0.595999	ENSMUSG0	4933439K1
ENSMUSG0	10.91208	-1.05079	0.719285	-1.46088	0.144049	0.595999	ENSMUSG0	Gm39041
ENSMUSG0	179.4682	-1.48501	1.016579	-1.46079	0.144073	0.595999	ENSMUSG0	Igfbp6
ENSMUSG0	1455.71	-0.23808	0.163059	-1.4601	0.144262	0.596119	ENSMUSG0	Fam114a2
ENSMUSG0	3.920941	-1.42969	0.97917	-1.4601	0.144262	0.596119	ENSMUSG0	Gm45555
ENSMUSG0	5.279706	-1.51373	1.036789	-1.46002	0.144285	0.596119	ENSMUSG0	Gm43525
ENSMUSG0	64.37983	0.598479	0.409974	1.459796	0.144346	0.596119	ENSMUSG0	Garem1
ENSMUSG0	1702.109	-0.1737	0.118993	-1.45975	0.144359	0.596119	ENSMUSG0	Mapre3
ENSMUSG0	6.787145	1.109372	0.759992	1.459715	0.144369	0.596119	ENSMUSG0	Gm42668
ENSMUSG0	79.8534	-0.37746	0.258623	-1.4595	0.144429	0.596119	ENSMUSG0	4933406P0
ENSMUSG0	456.529	0.370944	0.254186	1.459344	0.14447	0.596119	ENSMUSG0	Pnck
ENSMUSG0	2091.49	0.329043	0.225474	1.459342	0.144471	0.596119	ENSMUSG0	Mafb
ENSMUSG0	2387.2	-0.28203	0.193258	-1.45932	0.144476	0.596119	ENSMUSG0	Yipf3
ENSMUSG0	155.866	0.326321	0.223615	1.459304	0.144482	0.596119	ENSMUSG0	Csrnp2
ENSMUSG0	254.0622	-0.31746	0.217547	-1.45925	0.144496	0.596119	ENSMUSG0	Sco2
ENSMUSG0	736.4052	0.287421	0.196982	1.459119	0.144532	0.596119	ENSMUSG0	Msh2
ENSMUSG0	404.0963	-0.37081	0.254134	-1.4591	0.144536	0.596119	ENSMUSG0	Fam187b
ENSMUSG0	215.2332	0.676459	0.463648	1.458993	0.144567	0.596119	ENSMUSG0	Rasgrp1
ENSMUSG0	320.1229	0.381199	0.261363	1.458505	0.144701	0.596544	ENSMUSG0	Pde3a
ENSMUSG0	67.12849	-1.02351	0.701887	-1.45822	0.144779	0.596738	ENSMUSG0	Ptf1a
ENSMUSG0	114.831	0.402205	0.275871	1.457948	0.144855	0.596921	ENSMUSG0	Zfp105
ENSMUSG0	1571.207	0.395399	0.271242	1.457737	0.144913	0.597023	ENSMUSG0	Hspb1
ENSMUSG0	1352.278	-0.16539	0.113466	-1.45763	0.144942	0.597023	ENSMUSG0	Vps37c
ENSMUSG0	65.86222	0.533538	0.366147	1.457166	0.145071	0.59723	ENSMUSG0	Fam110c
ENSMUSG0	183.9887	0.310139	0.212855	1.457044	0.145104	0.59723	ENSMUSG0	Traf3ip1
ENSMUSG0	720.5837	0.513802	0.352639	1.457021	0.145111	0.59723	ENSMUSG0	Adgre5
ENSMUSG0	1007.765	-0.42881	0.294318	-1.45697	0.145124	0.59723	ENSMUSG0	Lcmt1
ENSMUSG0	355.9391	-0.8272	0.567786	-1.45689	0.145147	0.59723	ENSMUSG0	Tead2
ENSMUSG0	161.3471	0.529313	0.363399	1.456562	0.145237	0.597474	ENSMUSG0	Scn2b
ENSMUSG0	79.19247	0.421202	0.289218	1.456345	0.145297	0.597592	ENSMUSG0	Afap1l2
ENSMUSG0	175.5532	-0.74731	0.513252	-1.45602	0.145386	0.597829	ENSMUSG0	P2rx1
ENSMUSG0	4.189666	-1.28687	0.883976	-1.45578	0.145454	0.597983	ENSMUSG0	Gm11733
ENSMUSG0	145.4948	-0.32673	0.224478	-1.45551	0.145528	0.598055	ENSMUSG0	H3c15
ENSMUSG0	1160.304	-0.21078	0.144815	-1.45549	0.145534	0.598055	ENSMUSG0	Golga5
ENSMUSG0	8312.224	0.17584	0.120826	1.455321	0.14558	0.598117	ENSMUSG0	Ctsb

ENSMUSG0	3.377251	-1.26879	0.872009	-1.45502	0.145664	0.598332	ENSMUSG0 Gm42946
ENSMUSG0	148.3661	-0.32397	0.222711	-1.45468	0.145758	0.598539	ENSMUSG0 Oxld1
ENSMUSG0	61.16901	0.494421	0.339924	1.454503	0.145807	0.598539	ENSMUSG0 Tcaf2
ENSMUSG0	659.9274	0.31382	0.215759	1.454492	0.14581	0.598539	ENSMUSG0 Adck5
ENSMUSG0	1795.04	-0.24984	0.171786	-1.45439	0.145839	0.598539	ENSMUSG0 Agpat1
ENSMUSG0	27.69621	0.896344	0.616396	1.454169	0.1459	0.598661	ENSMUSG0 Ankrd34b
ENSMUSG0	588.2684	-0.32963	0.226746	-1.45373	0.146022	0.599036	ENSMUSG0 Cyp4f13
ENSMUSG0	618.6871	-0.35981	0.247528	-1.45361	0.146053	0.599036	ENSMUSG0 Cenpv
ENSMUSG0	82.05794	0.472893	0.325377	1.45337	0.146121	0.599186	ENSMUSG0 Kndc1
ENSMUSG0	673.4278	-0.28937	0.199147	-1.45304	0.146213	0.599204	ENSMUSG0 Cep70
ENSMUSG0	2.925665	2.244367	1.544696	1.452951	0.146237	0.599204	ENSMUSG0 Utf1
ENSMUSG0	472.49	-0.27487	0.189182	-1.45293	0.146244	0.599204	ENSMUSG0 Mtpap
ENSMUSG0	880.6154	-0.25437	0.175097	-1.45276	0.14629	0.599204	ENSMUSG0 Ascc1
ENSMUSG0	629.2385	0.189832	0.130674	1.45271	0.146304	0.599204	ENSMUSG0 Brsk1
ENSMUSG0	542.9702	-0.27173	0.187056	-1.45268	0.146312	0.599204	ENSMUSG0 Tarbp2
ENSMUSG0	132.5475	0.452151	0.311331	1.452315	0.146414	0.599493	ENSMUSG0 Zfp518b
ENSMUSG0	33.62046	-0.51536	0.355067	-1.45144	0.146658	0.600365	ENSMUSG03110009E1
ENSMUSG0	35.25669	0.452779	0.312014	1.451148	0.146739	0.600521	ENSMUSG0D330041HC
ENSMUSG0	2448.252	0.288633	0.198909	1.451076	0.146759	0.600521	ENSMUSG0 Pbxip1
ENSMUSG0	2592.513	-0.43982	0.303154	-1.45083	0.146827	0.600673	ENSMUSG0 Nr1d1
ENSMUSG0	231.7959	-0.31433	0.216687	-1.45062	0.146884	0.600727	ENSMUSG0 Nle1
ENSMUSG0	397.528	-0.26024	0.179407	-1.45056	0.146903	0.600727	ENSMUSG0 Atpaf1
ENSMUSG0	2514.484	-0.27868	0.192163	-1.45021	0.147001	0.601	ENSMUSG0 Ankrd10
ENSMUSG0	5.655855	1.079513	0.744925	1.449157	0.147294	0.601473	ENSMUSG0 Gpr25
ENSMUSG0	8.858043	1.101992	0.760464	1.449104	0.147309	0.601473	ENSMUSG0 Slitrk5
ENSMUSG0	22.82659	-0.59617	0.411449	-1.44895	0.14735	0.601473	ENSMUSG0 Bdnf
ENSMUSG0	47.95403	0.655653	0.452513	1.448915	0.147361	0.601473	ENSMUSG0 Flicr
ENSMUSG0	194.1804	0.723499	0.499358	1.44886	0.147377	0.601473	ENSMUSG0 Itih5
ENSMUSG0	594.6761	0.469648	0.324154	1.448843	0.147381	0.601473	ENSMUSG0 Trpm3
ENSMUSG0	1222.965	-0.29803	0.205722	-1.44873	0.147414	0.601473	ENSMUSG0 Rnaset2a
ENSMUSG0	589.4976	0.539337	0.372331	1.44854	0.147466	0.601473	ENSMUSG0 Dgka
ENSMUSG0	222.3488	-0.6481	0.447435	-1.44849	0.14748	0.601473	ENSMUSG0 Xlr3b
ENSMUSG0	5.446417	1.106409	0.763878	1.44841	0.147502	0.601473	ENSMUSG0 Gm12511
ENSMUSG0	5.227676	1.022667	0.706062	1.44841	0.147503	0.601473	ENSMUSG0 Spata20
ENSMUSG0	189.0394	0.720469	0.49753	1.448092	0.147591	0.601473	ENSMUSG0 Slc38a1
ENSMUSG0	5.30569	1.360612	0.939612	1.448058	0.147601	0.601473	ENSMUSG0 Dleu7
ENSMUSG0	11.90538	-0.92802	0.640872	-1.44806	0.147602	0.601473	ENSMUSG0 Gm15420
ENSMUSG0	171.0748	0.583313	0.402864	1.447915	0.147641	0.601473	ENSMUSG0 Sh3bgr
ENSMUSG0	3.38272	1.516781	1.047604	1.447857	0.147657	0.601473	ENSMUSG0 Igf2os
ENSMUSG0	959.7531	0.253057	0.17479	1.447779	0.147679	0.601473	ENSMUSG0 Trp53
ENSMUSG0	103.8636	0.503929	0.348071	1.447778	0.147679	0.601473	ENSMUSG0 Cx3cr1
ENSMUSG0	3.052114	-1.36476	0.942858	-1.44747	0.147764	0.601693	ENSMUSG0 Gm48771
ENSMUSG0	1467.805	-0.19079	0.131834	-1.44724	0.147831	0.601836	ENSMUSG0 Cpeb1
ENSMUSG0	128.2078	-0.34493	0.238415	-1.44675	0.147967	0.602263	ENSMUSG03000002C1
ENSMUSG0	3095.848	-0.38562	0.266576	-1.44658	0.148015	0.602332	ENSMUSG0 Phip
ENSMUSG0	3.704953	1.757538	1.215142	1.446364	0.148075	0.602448	ENSMUSG0 Trbv12-2
ENSMUSG0	17.38797	0.587615	0.406333	1.44614	0.148138	0.602576	ENSMUSG0 Gm36958
ENSMUSG0	20.79915	-0.49726	0.343878	-1.44603	0.14817	0.602577	ENSMUSG0 Gm49201
ENSMUSG0	9610.516	-0.41312	0.285712	-1.44591	0.148201	0.60258	ENSMUSG0 Hdlbp
ENSMUSG0	828.4817	0.267308	0.184905	1.445654	0.148274	0.602664	ENSMUSG0 Mpzl1
ENSMUSG0	600.2482	-0.30389	0.21022	-1.44556	0.1483	0.602664	ENSMUSG0 Gm20634
ENSMUSG0	235.7617	-0.55367	0.383079	-1.44532	0.148369	0.602664	ENSMUSG0 Gm36738

ENSMUSG0	3.130066	1.426578	0.98715	1.445148	0.148416	0.602664	ENSMUSG0	Gm49069
ENSMUSG0	297.2632	0.712015	0.492712	1.445093	0.148432	0.602664	ENSMUSG0	Irf4
ENSMUSG0	31.26997	-0.58551	0.405237	-1.44487	0.148495	0.602664	ENSMUSG0	Zmiz1os1
ENSMUSG0	3932.938	-0.26855	0.185873	-1.44483	0.148506	0.602664	ENSMUSG0	Map1lc3b
ENSMUSG0	16.00316	0.534507	0.369974	1.444713	0.148538	0.602664	ENSMUSG0	Gm47863
ENSMUSG0	382.971	-0.25	0.173045	-1.44469	0.148546	0.602664	ENSMUSG0	B9d2
ENSMUSG0	280.3092	-0.44774	0.309925	-1.44468	0.148547	0.602664	ENSMUSG0	Rnaseh2b
ENSMUSG0	6.142941	-1.0274	0.711212	-1.44458	0.148576	0.602664	ENSMUSG0	Gm20109
ENSMUSG0	591.1157	-0.35995	0.249205	-1.4444	0.148628	0.602664	ENSMUSG0	Gm572
ENSMUSG0	451.9021	0.370575	0.256561	1.444389	0.14863	0.602664	ENSMUSG0	Sorbs3
ENSMUSG0	23.37863	0.893352	0.61876	1.443778	0.148802	0.60267	ENSMUSG0	Sftpa1
ENSMUSG0	27.95461	-0.66678	0.461922	-1.4435	0.148881	0.60267	ENSMUSG0	2700033N1
ENSMUSG0	11.72192	-0.85028	0.589136	-1.44327	0.148946	0.60267	ENSMUSG0	B930018H1
ENSMUSG0	2910.292	-0.1832	0.126936	-1.44325	0.14895	0.60267	ENSMUSG0	Ints3
ENSMUSG0	606.3379	0.739834	0.512619	1.443245	0.148951	0.60267	ENSMUSG0	Col6a1
ENSMUSG0	1711.675	-0.21523	0.149133	-1.44323	0.148955	0.60267	ENSMUSG0	Adrm1
ENSMUSG0	48.79304	1.234415	0.855314	1.443231	0.148955	0.60267	ENSMUSG0	Hmcn1
ENSMUSG0	46.26419	0.544451	0.377249	1.443213	0.14896	0.60267	ENSMUSG0	Gm15927
ENSMUSG0	11.29069	1.371126	0.95012	1.443107	0.14899	0.60267	ENSMUSG0	Myh7b
ENSMUSG0	3968.268	-0.27351	0.189549	-1.44297	0.149028	0.60267	ENSMUSG0	Ctsl
ENSMUSG0	528.2395	-0.23279	0.161329	-1.44297	0.14903	0.60267	ENSMUSG0	Mrgpre
ENSMUSG0	13.80696	0.929569	0.644211	1.442956	0.149033	0.60267	ENSMUSG0	Rspo3
ENSMUSG0	16.3798	-0.679	0.470568	-1.44294	0.149038	0.60267	ENSMUSG0	Gm49544
ENSMUSG0	610.5474	0.304736	0.211252	1.44252	0.149156	0.603018	ENSMUSG0	Rab11fip5
ENSMUSG0	349.9122	0.278812	0.193318	1.442247	0.149233	0.603029	ENSMUSG0	Efnb3
ENSMUSG0	520.2448	-0.29269	0.202946	-1.44218	0.14925	0.603029	ENSMUSG0	Gas2
ENSMUSG0	4.810041	-1.22247	0.847667	-1.44216	0.149258	0.603029	ENSMUSG0	H4c6
ENSMUSG0	29.74614	0.665701	0.46163	1.442065	0.149284	0.603029	ENSMUSG0	Insyn2b
ENSMUSG0	18.54332	0.587267	0.407288	1.441896	0.149332	0.603096	ENSMUSG0	Gm38345
ENSMUSG0	15.11459	0.907784	0.629707	1.441597	0.149416	0.603188	ENSMUSG0	Gm8066
ENSMUSG0	1366.742	-1.36179	0.944645	-1.44159	0.149417	0.603188	ENSMUSG0	1810028F0
ENSMUSG0	689.2923	-0.26647	0.184894	-1.44118	0.149534	0.603525	ENSMUSG0	Hivep3
ENSMUSG0	313.6309	0.471831	0.327424	1.44104	0.149573	0.603525	ENSMUSG0	Mamld1
ENSMUSG0	177.946	-0.46245	0.320928	-1.44096	0.149595	0.603525	ENSMUSG0	Mcrip2
ENSMUSG0	431.5344	0.201385	0.139892	1.439577	0.149987	0.604969	ENSMUSG0	Zcchc3
ENSMUSG0	13.53037	-0.74017	0.514194	-1.43948	0.150016	0.604969	ENSMUSG0	Gm10293
ENSMUSG0	2196.818	-0.50881	0.353546	-1.43916	0.150106	0.605005	ENSMUSG0	Arhgap5
ENSMUSG0	3247.603	-0.35414	0.246075	-1.43914	0.150111	0.605005	ENSMUSG0	Cldn4
ENSMUSG0	530.5829	-0.4741	0.329438	-1.43911	0.150119	0.605005	ENSMUSG0	Aldh16a1
ENSMUSG0	487.1299	-0.34337	0.238627	-1.43894	0.150166	0.605069	ENSMUSG0	Trerf1
ENSMUSG0	81.7644	-0.47398	0.329436	-1.43877	0.150214	0.605136	ENSMUSG0	5930420M
ENSMUSG0	7608.03	-0.24302	0.168927	-1.43859	0.150268	0.605224	ENSMUSG0	Tmed10
ENSMUSG0	33.6005	0.881999	0.613217	1.438314	0.150345	0.605343	ENSMUSG0	Tbxas1
ENSMUSG0	837.1892	0.26683	0.185523	1.43826	0.15036	0.605343	ENSMUSG0	Wdr18
ENSMUSG0	7.806689	1.118876	0.778044	1.438063	0.150416	0.60544	ENSMUSG0	Hrh1
ENSMUSG0	84.01596	0.526225	0.365956	1.437947	0.150449	0.60544	ENSMUSG0	Lpcat2
ENSMUSG0	510274.6	-1.36171	0.947051	-1.43784	0.150479	0.60544	ENSMUSG0	Ctrb1
ENSMUSG0	1552.826	-0.24825	0.172694	-1.43752	0.15057	0.605682	ENSMUSG0	Eaf1
ENSMUSG0	34.02269	-0.42612	0.29645	-1.4374	0.150604	0.605689	ENSMUSG0	4921536K2
ENSMUSG0	9.928577	-0.72108	0.501708	-1.43726	0.150645	0.605729	ENSMUSG0	Tmem52
ENSMUSG0	231.3796	0.499351	0.347492	1.437016	0.150714	0.60578	ENSMUSG0	Cys1
ENSMUSG0	5256.025	-0.16726	0.116397	-1.43699	0.150721	0.60578	ENSMUSG0	Aco2

ENSMUSG0	911.5454	0.218881	0.152354	1.436663	0.150814	0.605923	ENSMUSG0 Ascc2
ENSMUSG0	358.6549	-0.26957	0.187638	-1.43664	0.150819	0.605923	ENSMUSG06030458C1
ENSMUSG0	120.9213	-0.28543	0.19874	-1.4362	0.150945	0.6063	ENSMUSG0 Dand5
ENSMUSG0	2469.419	-0.14097	0.098167	-1.43598	0.151009	0.606431	ENSMUSG0 Rnf167
ENSMUSG0	157.33	-0.40136	0.279548	-1.43575	0.151073	0.606489	ENSMUSG0 Znrd1as
ENSMUSG0	55.45539	0.500987	0.34895	1.435699	0.151088	0.606489	ENSMUSG01700112J16
ENSMUSG0	1040.042	-0.45308	0.315617	-1.43554	0.151133	0.606489	ENSMUSG0 Ndufa1
ENSMUSG0	167.7272	0.942165	0.656395	1.435363	0.151184	0.606489	ENSMUSG0 Cpxm1
ENSMUSG0	548.2379	-0.30445	0.212113	-1.43532	0.151197	0.606489	ENSMUSG0 Mcts1
ENSMUSG0	8729.027	-0.37032	0.258018	-1.43526	0.151212	0.606489	ENSMUSG0 Plxbn2
ENSMUSG0	1580.27	-0.27411	0.19109	-1.43444	0.151446	0.607297	ENSMUSG0 Etfa
ENSMUSG0	393.1243	-0.30336	0.211513	-1.43423	0.151508	0.607422	ENSMUSG0 Gm48226
ENSMUSG0	4.654027	-0.95891	0.668762	-1.43386	0.151611	0.607708	ENSMUSG0 Gm42544
ENSMUSG0	1292.072	-0.21988	0.153365	-1.43368	0.151663	0.607771	ENSMUSG0 Ndufa10
ENSMUSG0	135.4576	1.338545	0.933756	1.433507	0.151713	0.607771	ENSMUSG0 Cd4
ENSMUSG0	1182.967	0.419202	0.292437	1.433477	0.151722	0.607771	ENSMUSG0 Sat1
ENSMUSG0	79.40474	-0.40212	0.280575	-1.43319	0.151804	0.607957	ENSMUSG0 Gm30025
ENSMUSG0	301.5171	0.435044	0.30357	1.433093	0.151831	0.607957	ENSMUSG0 Nol3
ENSMUSG0	970.0056	-0.3506	0.244692	-1.43284	0.151904	0.608122	ENSMUSG0 Tmem107
ENSMUSG0	3.022419	-1.62417	1.133714	-1.43261	0.151968	0.608253	ENSMUSG0 Gm43887
ENSMUSG0	45.99345	-0.44925	0.313677	-1.43221	0.152084	0.608562	ENSMUSG02810454H0
ENSMUSG0	423.3111	0.363291	0.253677	1.432102	0.152115	0.608562	ENSMUSG0 Kif13a
ENSMUSG0	703.4563	-0.32816	0.22917	-1.43193	0.152163	0.608562	ENSMUSG0 Fam222b
ENSMUSG0	579.1901	-0.35704	0.249362	-1.4318	0.152202	0.608562	ENSMUSG0 Washc3
ENSMUSG0	358.2234	0.333463	0.2329	1.431786	0.152205	0.608562	ENSMUSG0 Ppfia3
ENSMUSG0	592.9771	-0.2598	0.181463	-1.43168	0.152235	0.608562	ENSMUSG0 Dexi
ENSMUSG0	367.793	-0.5876	0.410542	-1.43129	0.152348	0.608885	ENSMUSG0 Cemip2
ENSMUSG0	297.2163	-0.41391	0.289228	-1.4311	0.152402	0.608974	ENSMUSG0 Rpf2
ENSMUSG0	208.248	0.581452	0.406497	1.430396	0.152604	0.609654	ENSMUSG0 Trpv2
ENSMUSG0	384.7293	0.698712	0.488587	1.430068	0.152698	0.609723	ENSMUSG0 Akna
ENSMUSG0	178.0182	0.614621	0.429804	1.430003	0.152716	0.609723	ENSMUSG0 Fam71a
ENSMUSG0	26.12263	-0.86032	0.601713	-1.42978	0.15278	0.609851	ENSMUSG0 Egr4
ENSMUSG0	3713.212	-0.22937	0.160453	-1.42949	0.152863	0.610058	ENSMUSG0 Aars
ENSMUSG0	367.6065	0.467833	0.3273	1.42937	0.152898	0.610069	ENSMUSG0 Ier3
ENSMUSG0	306.4881	-0.85925	0.60128	-1.42903	0.152995	0.610331	ENSMUSG0 Slc6a9
ENSMUSG0	761.7781	-0.26797	0.18759	-1.42851	0.153145	0.610721	ENSMUSG0 Prxl2c
ENSMUSG0	292.5872	0.852695	0.596929	1.42847	0.153157	0.610721	ENSMUSG0 Aebp1
ENSMUSG0	1274.824	-0.23578	0.165092	-1.42815	0.153249	0.610859	ENSMUSG0 Mfsd1
ENSMUSG0	2225.322	0.355363	0.248831	1.428129	0.153255	0.610859	ENSMUSG0 Cd2ap
ENSMUSG0	6634.351	-0.34856	0.244152	-1.42765	0.153393	0.611166	ENSMUSG0 Rsrp1
ENSMUSG0	26.6148	-0.66484	0.465693	-1.42764	0.153395	0.611166	ENSMUSG0C130051F0
ENSMUSG0	11.66102	-0.99525	0.69719	-1.42752	0.15343	0.611179	ENSMUSG0 Gm20036
ENSMUSG0	943.6748	-0.19324	0.135411	-1.42708	0.153557	0.61137	ENSMUSG0 Zfyve1
ENSMUSG0	82.50695	0.522514	0.366155	1.427032	0.153571	0.61137	ENSMUSG0 Hs3st1
ENSMUSG0	2391.219	-0.27804	0.194837	-1.42702	0.153574	0.61137	ENSMUSG0 Sod2
ENSMUSG0	512.1431	-0.47273	0.331334	-1.42674	0.153654	0.611401	ENSMUSG0 Acot13
ENSMUSG0	42.91233	0.566444	0.397061	1.426591	0.153698	0.611401	ENSMUSG0 Cldn11
ENSMUSG0	5.250239	-1.53002	1.072566	-1.4265	0.153724	0.611401	ENSMUSG0 Tlr8
ENSMUSG0	1152.902	-0.15	0.105156	-1.42647	0.153732	0.611401	ENSMUSG0 Mcrs1
ENSMUSG0	10.29566	-0.81247	0.569651	-1.42625	0.153796	0.611401	ENSMUSG0 Hnf1aos2
ENSMUSG0	483.5606	0.292756	0.205265	1.426232	0.153801	0.611401	ENSMUSG0 Epm2a
ENSMUSG0	651.1994	-0.25308	0.177448	-1.42622	0.153804	0.611401	ENSMUSG0 Tmem19

ENSMUSG0	1100.15	-0.2293	0.160801	-1.42599	0.153871	0.611521	ENSMUSG0 Marchf9
ENSMUSG0	27.20645	0.725843	0.50905	1.42588	0.153903	0.611521	ENSMUSG0 Gpnmb
ENSMUSG0	427.0191	-0.46994	0.329627	-1.42568	0.153959	0.611521	ENSMUSG0 Mtlm
ENSMUSG0	633.2143	0.23643	0.165839	1.425661	0.153966	0.611521	ENSMUSG0 Crot
ENSMUSG0	828.4469	-1.28724	0.90302	-1.42548	0.154019	0.611521	ENSMUSG0 Cckar
ENSMUSG0	145.4502	0.409447	0.287238	1.425459	0.154025	0.611521	ENSMUSG0 Pde4d
ENSMUSG0	3.224697	-1.61139	1.130657	-1.42518	0.154104	0.611613	ENSMUSG0A430019L0
ENSMUSG0	331.7252	0.630029	0.442076	1.425159	0.154111	0.611613	ENSMUSG0 Gap43
ENSMUSG0	5538.239	-0.33325	0.233865	-1.42495	0.15417	0.61172	ENSMUSG0 Atp6v0b
ENSMUSG0	3.39468	1.278825	0.897583	1.424742	0.154232	0.611838	ENSMUSG0 Dhrr9
ENSMUSG0	23.27542	-0.6826	0.479257	-1.4243	0.154361	0.612223	ENSMUSG0 Gm48945
ENSMUSG0	42.15513	1.814929	1.27462	1.423898	0.154476	0.612554	ENSMUSG0 Trank1
ENSMUSG0	2325.358	-0.36769	0.258261	-1.42371	0.154529	0.612638	ENSMUSG0 Rpl10
ENSMUSG0	823.5591	-0.21328	0.149819	-1.42358	0.154569	0.612669	ENSMUSG0 Hcn2
ENSMUSG0	149.7241	-0.34851	0.244853	-1.42336	0.154632	0.612693	ENSMUSG0 Tmem108
ENSMUSG0	565.0472	0.340937	0.239534	1.423337	0.154638	0.612693	ENSMUSG0 Serpinb9
ENSMUSG0	9.395856	1.246813	0.876071	1.423187	0.154682	0.61274	ENSMUSG0 Sprr1a
ENSMUSG0	7.070644	-1.21654	0.854892	-1.42303	0.154727	0.61279	ENSMUSG02610206C1
ENSMUSG0	2113.649	-0.30218	0.212383	-1.42278	0.154799	0.612949	ENSMUSG0 Nt5c3
ENSMUSG0	3052.718	-0.18919	0.132985	-1.42265	0.154837	0.612974	ENSMUSG0 Cdk16
ENSMUSG0	8.777686	1.255412	0.882857	1.421988	0.15503	0.613529	ENSMUSG0 Prg2
ENSMUSG0	75.47559	0.315316	0.221757	1.421898	0.155056	0.613529	ENSMUSG0 Gm37090
ENSMUSG0	9.29318	0.970467	0.682546	1.421835	0.155074	0.613529	ENSMUSG0 Gm38228
ENSMUSG0	23.56516	0.734132	0.51637	1.421717	0.155108	0.613529	ENSMUSG0I830077J02
ENSMUSG0	62.81442	-0.33514	0.235772	-1.42148	0.155179	0.613529	ENSMUSG03110001I22
ENSMUSG0	845.9612	-0.20042	0.141006	-1.42137	0.155209	0.613529	ENSMUSG0 Snx15
ENSMUSG0	788.5756	-0.50287	0.353792	-1.42136	0.155211	0.613529	ENSMUSG0 Kctd12b
ENSMUSG0	23.60408	-0.91635	0.644732	-1.42129	0.155232	0.613529	ENSMUSG02310074N1
ENSMUSG0	147.0789	-0.23231	0.163491	-1.42094	0.155334	0.613805	ENSMUSG0 Gm48768
ENSMUSG0	228.738	0.276339	0.19451	1.42069	0.155407	0.613967	ENSMUSG0 Ppil3
ENSMUSG0	73.31285	-0.42082	0.296311	-1.42019	0.155553	0.614315	ENSMUSG0 C8g
ENSMUSG0	1443.382	-0.20584	0.144952	-1.42006	0.15559	0.614315	ENSMUSG0 Ankrd13c
ENSMUSG0	48.275	0.665935	0.468949	1.420058	0.155591	0.614315	ENSMUSG0 Ptpro
ENSMUSG0	318.6049	-0.37379	0.263291	-1.41969	0.155699	0.614363	ENSMUSG0 Mrpl32
ENSMUSG0	1049.988	-0.29129	0.205185	-1.41965	0.155708	0.614363	ENSMUSG0 Mrps26
ENSMUSG0	13.10136	-0.92829	0.653911	-1.4196	0.155724	0.614363	ENSMUSG01700020D0
ENSMUSG0	10.60564	-0.71841	0.506074	-1.41958	0.155731	0.614363	ENSMUSG0 Cdkn2a
ENSMUSG0	25.51952	1.103342	0.777412	1.419252	0.155826	0.614612	ENSMUSG0 Txk
ENSMUSG0	315.5625	-0.19897	0.140236	-1.41882	0.155952	0.614773	ENSMUSG0 Shpk
ENSMUSG0	222.7115	-0.30438	0.214542	-1.41875	0.155973	0.614773	ENSMUSG0 Alg8
ENSMUSG0	82.36326	0.7702	0.54299	1.418442	0.156062	0.614773	ENSMUSG0 Rab30
ENSMUSG0	6.704233	-1.4322	1.009704	-1.41843	0.156064	0.614773	ENSMUSG0 Gm45191
ENSMUSG0	43.16603	1.009638	0.711818	1.418393	0.156076	0.614773	ENSMUSG0 Fut2
ENSMUSG0	4.974393	1.497649	1.055909	1.418351	0.156088	0.614773	ENSMUSG0 Alx4
ENSMUSG0	2438.713	-0.43332	0.30551	-1.41834	0.15609	0.614773	ENSMUSG0 Nav2
ENSMUSG0	265.814	-0.23763	0.167599	-1.41788	0.156226	0.615127	ENSMUSG0 Wdr55
ENSMUSG0	3.222132	1.699938	1.198996	1.417801	0.156249	0.615127	ENSMUSG0 Gbp11
ENSMUSG0	1429.95	0.231833	0.16354	1.41759	0.156311	0.615127	ENSMUSG0 Parp8
ENSMUSG0	431.7693	0.273061	0.192628	1.417558	0.15632	0.615127	ENSMUSG0 Tmem18
ENSMUSG0	13.72917	0.884019	0.623651	1.417489	0.15634	0.615127	ENSMUSG0 Pnpla3
ENSMUSG0	4.858736	1.036597	0.731435	1.41721	0.156422	0.615285	ENSMUSG0 Pkp1
ENSMUSG0	21.63643	1.091384	0.770155	1.417097	0.156454	0.615285	ENSMUSG0 Cd5l

ENSMUSG0	4.049163	-1.78975	1.26317	-1.41687	0.156521	0.615285	ENSMUSG0 Gm49590
ENSMUSG0	32.48685	-0.42039	0.296708	-1.41683	0.156532	0.615285	ENSMUSG04930577N1
ENSMUSG0	191.9138	-0.40331	0.284659	-1.4168	0.15654	0.615285	ENSMUSG0 Glb1l
ENSMUSG0	2316.701	0.308873	0.218054	1.416497	0.15663	0.615513	ENSMUSG0 Ttc39b
ENSMUSG0	300.8272	0.404502	0.285762	1.415519	0.156916	0.616309	ENSMUSG0 Sv2b
ENSMUSG0	166.0478	-0.44517	0.3145	-1.41548	0.156929	0.616309	ENSMUSG0 Hsbp1l1
ENSMUSG0	1478.215	-0.22734	0.160609	-1.41548	0.156929	0.616309	ENSMUSG0 Coq2
ENSMUSG0	40.33091	-0.45835	0.323839	-1.41535	0.156965	0.616319	ENSMUSG0 Skida1
ENSMUSG0	923.461	-0.28392	0.200615	-1.41525	0.156995	0.616319	ENSMUSG0 Gcdh
ENSMUSG0	36.92375	-0.76864	0.54327	-1.41485	0.157113	0.61637	ENSMUSG0 Cfp46
ENSMUSG0	258.6697	0.533413	0.377018	1.414821	0.157121	0.61637	ENSMUSG0 Sema4g
ENSMUSG0	630.3182	0.269819	0.190711	1.414808	0.157125	0.61637	ENSMUSG0 Tctn1
ENSMUSG0	1492.586	-0.26212	0.185274	-1.41477	0.157137	0.61637	ENSMUSG0 Ccdc6
ENSMUSG0	543.4503	0.403545	0.285289	1.414514	0.157211	0.616537	ENSMUSG0 Sorcs2
ENSMUSG0	20.59387	0.579317	0.409652	1.41417	0.157312	0.616691	ENSMUSG0 Gm648
ENSMUSG0	1013.29	-0.19898	0.140709	-1.41416	0.157315	0.616691	ENSMUSG0 Inpp5f
ENSMUSG0	5.210121	-1.45698	1.030674	-1.41362	0.157473	0.616895	ENSMUSG04933413C1
ENSMUSG0	7.267456	-0.88293	0.624596	-1.4136	0.157481	0.616895	ENSMUSG0D930030IO:
ENSMUSG0	915.2681	-0.34271	0.242438	-1.41358	0.157484	0.616895	ENSMUSG0 Eps8
ENSMUSG0	61.34499	0.901745	0.637931	1.413547	0.157495	0.616895	ENSMUSG0 Tlr9
ENSMUSG0	1260.616	0.729953	0.516491	1.413292	0.15757	0.617063	ENSMUSG0 S100a6
ENSMUSG0	17.08066	0.843177	0.596664	1.413151	0.157611	0.617099	ENSMUSG0 Colec11
ENSMUSG0	314.1082	0.222065	0.157253	1.412147	0.157907	0.61802	ENSMUSG0 Gmpr2
ENSMUSG0	4.034687	-1.16422	0.824459	-1.4121	0.157922	0.61802	ENSMUSG0 Krt87
ENSMUSG0	451.5511	-0.31758	0.224913	-1.41202	0.157943	0.61802	ENSMUSG0 Brcc3
ENSMUSG0	56.47627	0.805157	0.570525	1.411257	0.158169	0.618654	ENSMUSG0 Abi3bp
ENSMUSG0	68.85118	0.804822	0.57054	1.410631	0.158353	0.619115	ENSMUSG0 Mrc2
ENSMUSG0	447.48	0.439058	0.311269	1.410542	0.15838	0.619115	ENSMUSG0 Pak1
ENSMUSG0	304.4551	-0.33793	0.239593	-1.41044	0.15841	0.619115	ENSMUSG0 Gm50240
ENSMUSG0	278.2579	0.332027	0.23541	1.41042	0.158416	0.619115	ENSMUSG0 Trim12c
ENSMUSG0	20.82828	0.579688	0.411047	1.410272	0.158459	0.61916	ENSMUSG0 Lgr6
ENSMUSG0	592.868	0.705247	0.500155	1.410055	0.158523	0.619284	ENSMUSG0 Col6a2
ENSMUSG0	133.7659	0.387577	0.274888	1.409944	0.158556	0.619286	ENSMUSG0 Dclre1b
ENSMUSG0	496.1649	-0.24481	0.17365	-1.40979	0.158601	0.619337	ENSMUSG0 Ccdc85c
ENSMUSG0	180.9081	-0.48743	0.345817	-1.4095	0.158688	0.619484	ENSMUSG0 Sult2b1
ENSMUSG0	6451.497	-0.32841	0.233003	-1.40945	0.158703	0.619484	ENSMUSG0 Gars
ENSMUSG0	383.4752	-0.31859	0.22611	-1.40902	0.15883	0.619764	ENSMUSG0 Acsl6
ENSMUSG0	20.4982	0.560137	0.397547	1.408985	0.15884	0.619764	ENSMUSG0 Gm45627
ENSMUSG0	1380.572	-0.19364	0.13746	-1.40872	0.158918	0.619927	ENSMUSG0 Fam234b
ENSMUSG0	68.30013	0.455329	0.323244	1.408627	0.158946	0.619927	ENSMUSG0 Ccn3
ENSMUSG0	11.62071	1.415509	1.005005	1.40846	0.158995	0.619993	ENSMUSG0 Gbp2b
ENSMUSG0	3.341237	1.315615	0.934168	1.408328	0.159034	0.62002	ENSMUSG0 Gm43748
ENSMUSG0	76.70806	1.079021	0.766282	1.408125	0.159094	0.620129	ENSMUSG0 Flt3
ENSMUSG0	31.47615	0.806813	0.573131	1.407729	0.159211	0.62046	ENSMUSG0 Dhh
ENSMUSG0	816.1602	0.149372	0.106129	1.407462	0.15929	0.620642	ENSMUSG0 Hsd17b11
ENSMUSG0	540.6094	0.402908	0.286353	1.40703	0.159418	0.621015	ENSMUSG0 Pltp
ENSMUSG0	982.6765	-0.25088	0.178337	-1.40679	0.15949	0.621142	ENSMUSG0 Babam2
ENSMUSG0	47.49333	0.674614	0.479571	1.406703	0.159515	0.621142	ENSMUSG0 Gm37352
ENSMUSG0	319.5825	0.524798	0.373134	1.406461	0.159587	0.621241	ENSMUSG0 Ndst4
ENSMUSG0	606.3972	-0.41744	0.296813	-1.4064	0.159606	0.621241	ENSMUSG0 Mrpl20
ENSMUSG0	11.08052	0.826719	0.587932	1.406148	0.15968	0.621405	ENSMUSG0A930002H2
ENSMUSG0	989.2881	0.297525	0.211655	1.405705	0.159812	0.621697	ENSMUSG0 Fam131a

ENSMUSG0	5394.524	-0.25846	0.183878	-1.40562	0.159837	0.621697	ENSMUSG0 Fbxl16
ENSMUSG0	20.75029	-2.32132	1.651516	-1.40557	0.159852	0.621697	ENSMUSG0 Rdh7
ENSMUSG0	5.977158	1.712416	1.218594	1.405239	0.15995	0.621953	ENSMUSG0 Il12b
ENSMUSG0	5.510308	1.099246	0.782345	1.405066	0.160002	0.621978	ENSMUSG0 Gm1980
ENSMUSG0	2.999742	1.293688	0.920774	1.405	0.160021	0.621978	ENSMUSG0C030032O1
ENSMUSG0	1935.419	-0.27879	0.198468	-1.40473	0.160103	0.622113	ENSMUSG0 Atp13a1
ENSMUSG0	1276.305	-0.21054	0.149888	-1.40467	0.160121	0.622113	ENSMUSG0 Ap1m2
ENSMUSG0	201.5178	-0.30366	0.216213	-1.40444	0.160187	0.622189	ENSMUSG0 Cdkl1
ENSMUSG0	1528.673	-0.34371	0.244739	-1.40438	0.160205	0.622189	ENSMUSG0 Bcl9
ENSMUSG0	49219.42	-1.37009	0.975946	-1.40386	0.160362	0.622672	ENSMUSG0 Clps
ENSMUSG0	10.60667	1.083056	0.77155	1.403741	0.160396	0.622679	ENSMUSG0 Wdr38
ENSMUSG0	633.3759	-0.28951	0.206335	-1.4031	0.160588	0.623299	ENSMUSG0 Mrpl54
ENSMUSG0	26.71456	-0.48673	0.346991	-1.40273	0.160698	0.623345	ENSMUSG0 Gm45486
ENSMUSG0	1165.397	0.305361	0.217694	1.402709	0.160704	0.623345	ENSMUSG0 Arf2
ENSMUSG0	285.845	0.401036	0.285916	1.402636	0.160725	0.623345	ENSMUSG0 Ccdc112
ENSMUSG0	215.7515	-0.23278	0.165968	-1.40255	0.16075	0.623345	ENSMUSG0 Zfp27
ENSMUSG0	434.031	-0.16802	0.1198	-1.40251	0.160762	0.623345	ENSMUSG0 Gm45606
ENSMUSG0	6.174696	-1.11686	0.79644	-1.40231	0.160823	0.623456	ENSMUSG0 Gm10030
ENSMUSG0	460.8955	0.414314	0.295486	1.402142	0.160873	0.623525	ENSMUSG0 Ccn2
ENSMUSG0	530.0204	-0.28089	0.200373	-1.40184	0.160963	0.62375	ENSMUSG0 Fbxo6
ENSMUSG0	75.17	-0.41033	0.292777	-1.40151	0.161061	0.623986	ENSMUSG0 Gm46404
ENSMUSG0	60.57766	0.889073	0.63441	1.401417	0.161089	0.623986	ENSMUSG0 Ihh
ENSMUSG0	305.0551	-0.34803	0.248415	-1.401	0.161214	0.624342	ENSMUSG0 Ccdc30
ENSMUSG0	4.076308	1.945158	1.388704	1.4007	0.161304	0.624465	ENSMUSG0 M1ap
ENSMUSG0	1084.876	0.199724	0.142591	1.400678	0.16131	0.624465	ENSMUSG0 Nsmf
ENSMUSG0	4.70743	1.600867	1.143155	1.400393	0.161396	0.624669	ENSMUSG0 Retnlg
ENSMUSG0	1244.418	0.38948	0.278148	1.40026	0.161436	0.624698	ENSMUSG0 Dusp8
ENSMUSG0	279.6962	-0.33958	0.242541	-1.40009	0.161485	0.624765	ENSMUSG06330403L0
ENSMUSG0	5.124786	-1.18553	0.846855	-1.39992	0.161539	0.624846	ENSMUSG0 Rimbpb3
ENSMUSG0	17.79657	1.136096	0.811762	1.399544	0.16165	0.624908	ENSMUSG0 Pzp
ENSMUSG0	706.7665	-0.36772	0.262744	-1.39952	0.161656	0.624908	ENSMUSG0 Zfp398
ENSMUSG0	24.9553	0.778808	0.556535	1.399387	0.161697	0.624908	ENSMUSG0 Pla2g4b
ENSMUSG0	28.1481	-0.54987	0.39295	-1.39934	0.16171	0.624908	ENSMUSG05530401A1
ENSMUSG0	76.14303	0.884021	0.631751	1.399319	0.161717	0.624908	ENSMUSG0 Colec12
ENSMUSG0	1788.685	-0.39036	0.279051	-1.39889	0.161847	0.624951	ENSMUSG0 Cdk8
ENSMUSG0	671.4058	0.386909	0.276594	1.398835	0.161863	0.624951	ENSMUSG0 Irx2
ENSMUSG0	726.7494	0.350689	0.250721	1.398721	0.161897	0.624951	ENSMUSG0 Olfm1
ENSMUSG0	10.11725	-0.65863	0.470957	-1.39849	0.161967	0.624951	ENSMUSG0 Gm44433
ENSMUSG0	26.50956	-0.61034	0.436436	-1.39846	0.161974	0.624951	ENSMUSG0 Gm14966
ENSMUSG0	1223.385	0.288602	0.206389	1.398342	0.16201	0.624951	ENSMUSG0 Syn2
ENSMUSG0	51.72022	-0.34962	0.250025	-1.39832	0.162017	0.624951	ENSMUSG01700018L0
ENSMUSG0	407.8118	0.485431	0.347158	1.398301	0.162023	0.624951	ENSMUSG0 Cobl
ENSMUSG0	1651.313	0.229651	0.164239	1.398272	0.162031	0.624951	ENSMUSG0 Tmbim1
ENSMUSG0	10.73194	0.740861	0.529868	1.398199	0.162053	0.624951	ENSMUSG0 Fzd9
ENSMUSG0	118.2644	-0.58757	0.420412	-1.39761	0.162229	0.625123	ENSMUSG0 Gm16124
ENSMUSG0	3209.55	-0.24345	0.174192	-1.39757	0.162242	0.625123	ENSMUSG0 Cdk4
ENSMUSG0	42.31226	0.707433	0.50619	1.397566	0.162243	0.625123	ENSMUSG0 Abca9
ENSMUSG0	676.254	-0.36196	0.259006	-1.39751	0.162262	0.625123	ENSMUSG0 Hs3st6
ENSMUSG0	17.78862	0.662574	0.474121	1.397478	0.16227	0.625123	ENSMUSG0 Pla2g3
ENSMUSG0	106.693	-0.41784	0.299015	-1.3974	0.162293	0.625123	ENSMUSG01810062G1
ENSMUSG0	54.55126	0.350725	0.251007	1.397273	0.162332	0.625147	ENSMUSG0 Zfp112
ENSMUSG0	286.0679	0.757279	0.542017	1.397152	0.162368	0.625162	ENSMUSG0 Tnfrsf1b

ENSMUSG0	1304.695	-0.2647	0.189475	-1.39704	0.162402	0.625167	ENSMUSG0 Dhx32
ENSMUSG0	107.3226	-0.40677	0.291232	-1.39672	0.162497	0.625304	ENSMUSG02810414NC
ENSMUSG0	1105.765	0.27138	0.194312	1.396623	0.162527	0.625304	ENSMUSG0 Soat1
ENSMUSG0	5.715146	0.893951	0.6402	1.396361	0.162606	0.625304	ENSMUSG0 Gm12504
ENSMUSG0	5.128423	-1.11201	0.79641	-1.39628	0.162631	0.625304	ENSMUSG0 Gm8642
ENSMUSG0	68.00543	0.768479	0.550387	1.396252	0.162639	0.625304	ENSMUSG0 Hspb7
ENSMUSG0	735.8603	0.753208	0.53948	1.396175	0.162662	0.625304	ENSMUSG0 H2-Q6
ENSMUSG0	219.7663	0.326114	0.233608	1.395991	0.162717	0.625304	ENSMUSG0 Pygl
ENSMUSG0	481.5325	0.432441	0.309789	1.395921	0.162738	0.625304	ENSMUSG0 Frmd8
ENSMUSG0	42.71659	0.530096	0.379773	1.395825	0.162767	0.625304	ENSMUSG0 Ghsh
ENSMUSG0	34.98485	0.565836	0.405399	1.39575	0.16279	0.625304	ENSMUSG0 P2rx6
ENSMUSG0	286.905	-0.52097	0.373263	-1.39573	0.162796	0.625304	ENSMUSG0 Eps8l1
ENSMUSG0	425.2223	-0.27417	0.196456	-1.39556	0.162846	0.625304	ENSMUSG0 Alg9
ENSMUSG0	1476.369	0.196569	0.140859	1.395501	0.162865	0.625304	ENSMUSG0 Micu1
ENSMUSG0	608.0351	-0.28298	0.202807	-1.39533	0.162915	0.625304	ENSMUSG0 Pan2
ENSMUSG0	288.1847	0.46161	0.330832	1.395301	0.162925	0.625304	ENSMUSG0 Elf4
ENSMUSG0	6.056471	1.055939	0.756876	1.395127	0.162978	0.625381	ENSMUSG0 Gm43182
ENSMUSG0	1988.742	-0.47694	0.3419	-1.39498	0.163023	0.625431	ENSMUSG0 Dynlt1b
ENSMUSG0	822.5103	-0.32197	0.230827	-1.39485	0.163061	0.625451	ENSMUSG0 Atp1b2
ENSMUSG0	209.7021	-0.29643	0.212536	-1.39472	0.163099	0.625474	ENSMUSG01700037C1
ENSMUSG0	124.439	0.491969	0.352769	1.394591	0.163139	0.625503	ENSMUSG0 Cdk1
ENSMUSG0	436.2359	0.312208	0.22394	1.39416	0.163269	0.625821	ENSMUSG0 Pik3ip1
ENSMUSG0	13.7821	-0.6482	0.464957	-1.3941	0.163287	0.625821	ENSMUSG0 Cplane2
ENSMUSG0	10.39358	0.887833	0.637142	1.393463	0.16348	0.626407	ENSMUSG01810064F2
ENSMUSG0	1522.789	-0.13731	0.098543	-1.39338	0.163506	0.626407	ENSMUSG0 Psen1
ENSMUSG0	5.614799	-1.14978	0.825237	-1.39327	0.163538	0.626408	ENSMUSG0 Gm47904
ENSMUSG0	17.60495	-0.89731	0.644228	-1.39285	0.163665	0.626767	ENSMUSG0 Gm48890
ENSMUSG0	2064.559	-0.13786	0.098996	-1.39257	0.163749	0.62677	ENSMUSG02510039O1
ENSMUSG0	5.09532	0.976058	0.700908	1.392562	0.163752	0.62677	ENSMUSG0 Gm43820
ENSMUSG0	20.42681	-0.54414	0.390754	-1.39253	0.163763	0.62677	ENSMUSG09130213A2
ENSMUSG0	2718.186	-0.22853	0.164126	-1.39242	0.163797	0.626774	ENSMUSG0 Abcf1
ENSMUSG0	31.04153	-0.69752	0.501083	-1.39203	0.163913	0.626977	ENSMUSG0 Fbxl12os
ENSMUSG0	989.5512	-0.33947	0.24387	-1.39203	0.163915	0.626977	ENSMUSG0 Ang
ENSMUSG0	9.917797	-0.93385	0.67092	-1.39189	0.163956	0.627008	ENSMUSG0 Gm42576
ENSMUSG0	1296.956	-0.5763	0.414101	-1.3917	0.164014	0.627027	ENSMUSG0 Tmtc3
ENSMUSG0	256.2309	-0.24125	0.173355	-1.39166	0.164026	0.627027	ENSMUSG0 Nadsyn1
ENSMUSG0	772.307	-0.17572	0.126304	-1.39126	0.164147	0.627367	ENSMUSG0 Gtf2h1
ENSMUSG0	32.78387	0.654972	0.470927	1.390815	0.164282	0.627756	ENSMUSG0 Cacna2d3
ENSMUSG0	794.6152	0.755041	0.542954	1.390617	0.164341	0.627784	ENSMUSG0 Arhgap45
ENSMUSG0	7.605423	1.077985	0.775208	1.390575	0.164354	0.627784	ENSMUSG0 Gm21814
ENSMUSG0	5.45049	-0.99673	0.717086	-1.38998	0.164536	0.62824	ENSMUSG0 Gm16364
ENSMUSG0	696.5841	0.242081	0.174177	1.389854	0.164573	0.62824	ENSMUSG0 Camk2g
ENSMUSG0	379.0035	0.767465	0.552193	1.38985	0.164575	0.62824	ENSMUSG0 Itgb2
ENSMUSG0	13.78059	1.462103	1.05211	1.389686	0.164624	0.62824	ENSMUSG0 Gpr141b
ENSMUSG0	683.6871	-0.20369	0.146575	-1.38964	0.164637	0.62824	ENSMUSG0C030006K1
ENSMUSG0	3312.826	-0.24135	0.173689	-1.38953	0.164672	0.62825	ENSMUSG0 Alkbh5
ENSMUSG0	3.388779	-1.37481	0.989625	-1.38922	0.164765	0.628478	ENSMUSG0 Gm3772
ENSMUSG0	9.389445	-0.80108	0.576733	-1.389	0.164832	0.62861	ENSMUSG0 Gm14486
ENSMUSG0	6324.112	0.169602	0.12213	1.388699	0.164924	0.628701	ENSMUSG0 Ap2m1
ENSMUSG0	36.35648	0.558145	0.40194	1.388626	0.164947	0.628701	ENSMUSG0 Fhl3
ENSMUSG0	189.6569	-0.31898	0.22971	-1.3886	0.164954	0.628701	ENSMUSG0 Coa6
ENSMUSG0	117.8243	0.451058	0.324941	1.388126	0.165099	0.629128	ENSMUSG0 Fancg

ENSMUSG0	31.91433	-0.52279	0.376685	-1.38787	0.165177	0.629302	ENSMUSG0	Pm20d2
ENSMUSG0	1516.397	-0.24173	0.174225	-1.38748	0.165295	0.629629	ENSMUSG0	Afg3l1
ENSMUSG0	190.8757	0.243326	0.175426	1.387063	0.165423	0.629887	ENSMUSG0	Otud1
ENSMUSG0	329.5382	0.561343	0.404705	1.387043	0.165429	0.629887	ENSMUSG0	6330403K0
ENSMUSG0	5841.197	-0.29051	0.209463	-1.38693	0.165462	0.629889	ENSMUSG0	Wnt4
ENSMUSG0	11.70885	-0.74199	0.535212	-1.38634	0.165642	0.630449	ENSMUSG0	5330439K0
ENSMUSG0	2475.578	-0.33599	0.242387	-1.38616	0.165699	0.630543	ENSMUSG0	C1galt1
ENSMUSG0	1982.973	-0.2703	0.195026	-1.38597	0.165757	0.630639	ENSMUSG0	Mettl9
ENSMUSG0	42.18007	0.596583	0.430511	1.385756	0.165822	0.630758	ENSMUSG0	Gm34225
ENSMUSG0	286.2911	-0.34669	0.250282	-1.3852	0.16599	0.63095	ENSMUSG0	1110059G1
ENSMUSG0	3.264363	-1.30035	0.938743	-1.3852	0.165991	0.63095	ENSMUSG0	Gm47905
ENSMUSG0	60.96231	0.64804	0.467888	1.385032	0.166043	0.63095	ENSMUSG0	Ifitm1
ENSMUSG0	174.1405	0.402979	0.290961	1.384997	0.166053	0.63095	ENSMUSG0	Parvb
ENSMUSG0	700.2815	0.317812	0.229474	1.384958	0.166065	0.63095	ENSMUSG0	Lima1
ENSMUSG0	4410.466	-0.20059	0.144857	-1.38475	0.166128	0.63095	ENSMUSG0	Rapgef4
ENSMUSG0	5.305019	-1.40711	1.016151	-1.38474	0.166132	0.63095	ENSMUSG0	Myl7
ENSMUSG0	154.4223	-0.44392	0.32058	-1.38473	0.166134	0.63095	ENSMUSG0	Tmem154
ENSMUSG0	12.41897	1.126001	0.813312	1.384464	0.166217	0.631137	ENSMUSG0	Ighv1-64
ENSMUSG0	464.8379	-0.35633	0.257407	-1.38432	0.166261	0.631181	ENSMUSG0	Cbll1
ENSMUSG0	8483.207	-0.35263	0.254957	-1.38311	0.16663	0.632369	ENSMUSG0	Gabarap
ENSMUSG0	712.7969	-0.25085	0.181368	-1.38308	0.16664	0.632369	ENSMUSG0	Orc4
ENSMUSG0	270.8107	-0.32401	0.234293	-1.38292	0.166689	0.632431	ENSMUSG0	Tada2a
ENSMUSG0	98.22342	-0.60686	0.438969	-1.38247	0.166829	0.632837	ENSMUSG0	E230001N0
ENSMUSG0	24.36323	-0.54051	0.391004	-1.38236	0.166862	0.63284	ENSMUSG0	Klhl10
ENSMUSG0	15.31538	-0.63894	0.462328	-1.38201	0.166968	0.633114	ENSMUSG0	Gm44093
ENSMUSG0	33.88926	0.499329	0.36139	1.381692	0.167066	0.633364	ENSMUSG0	Nrg1
ENSMUSG0	734.378	-0.23199	0.167929	-1.38149	0.167128	0.633471	ENSMUSG0	Ap1ar
ENSMUSG0	66.49553	-0.69993	0.506697	-1.38135	0.167171	0.633511	ENSMUSG0	Spdef
ENSMUSG0	12.79691	1.054079	0.763333	1.380891	0.167313	0.633923	ENSMUSG0	Cyp2j5
ENSMUSG0	1460.883	-0.25387	0.183899	-1.38051	0.16743	0.63398	ENSMUSG0	Mettl1
ENSMUSG0	52.65999	-0.40139	0.290762	-1.38049	0.167435	0.63398	ENSMUSG0	Gm38300
ENSMUSG0	46.36874	0.420663	0.304729	1.380452	0.167447	0.63398	ENSMUSG0	Gm26737
ENSMUSG0	144.4951	-0.32178	0.233117	-1.38032	0.167488	0.63398	ENSMUSG0	Mitf
ENSMUSG0	293.8148	-0.40309	0.292055	-1.38018	0.167531	0.63398	ENSMUSG0	Trpm2
ENSMUSG0	9.117247	-1.05699	0.765875	-1.38011	0.167553	0.63398	ENSMUSG0	Gm37101
ENSMUSG0	241.0696	0.465425	0.337255	1.380037	0.167575	0.63398	ENSMUSG0	Ppm1m
ENSMUSG0	2158.739	-0.26555	0.192437	-1.37992	0.167612	0.63398	ENSMUSG0	Mydgf
ENSMUSG0	1996.316	-0.2877	0.208505	-1.37984	0.167636	0.63398	ENSMUSG0	Mtcl1
ENSMUSG0	906.0866	0.341992	0.247891	1.379607	0.167708	0.63398	ENSMUSG0	Mmut
ENSMUSG0	1704.604	-0.33364	0.241838	-1.37961	0.167708	0.63398	ENSMUSG0	Hes6
ENSMUSG0	6.104992	2.112262	1.531117	1.379557	0.167723	0.63398	ENSMUSG0	Gm49339
ENSMUSG0	2863.149	-0.42496	0.308067	-1.37942	0.167764	0.63401	ENSMUSG0	Ankrd17
ENSMUSG0	4.510527	1.543218	1.118938	1.379181	0.167839	0.6341	ENSMUSG0	1110032F0
ENSMUSG0	14.05185	0.852007	0.617785	1.379133	0.167854	0.6341	ENSMUSG0	Gm16565
ENSMUSG0	900.5907	-0.40082	0.290767	-1.37849	0.168053	0.634603	ENSMUSG0	Satb1
ENSMUSG0	5601.309	-0.4054	0.294181	-1.37807	0.168182	0.634785	ENSMUSG0	Anpep
ENSMUSG0	454.3593	0.219556	0.159326	1.378024	0.168196	0.634785	ENSMUSG0	Rorc
ENSMUSG0	422.7129	-0.18119	0.13149	-1.37801	0.1682	0.634785	ENSMUSG0	Atg7
ENSMUSG0	1705.288	-0.45357	0.32918	-1.37789	0.168236	0.634797	ENSMUSG0	Foxo3
ENSMUSG0	6.646529	-1.12585	0.81715	-1.37778	0.168272	0.634806	ENSMUSG0	Gm47586
ENSMUSG0	74.2521	0.497214	0.360947	1.377527	0.168349	0.634975	ENSMUSG0	Ras12
ENSMUSG0	2363.953	-0.33825	0.245571	-1.37741	0.168387	0.634991	ENSMUSG0	Cpd

ENSMUSG0	306.9825	-0.25546	0.185523	-1.37699	0.168516	0.63518	ENSMUSG0	Katnbl1
ENSMUSG0	1012.064	0.422483	0.306825	1.376954	0.168527	0.63518	ENSMUSG0	Tm4sf1
ENSMUSG0	4.869539	1.00729	0.731551	1.376923	0.168536	0.63518	ENSMUSG0	Gm6611
ENSMUSG0	80.93209	-0.72821	0.528944	-1.37672	0.1686	0.635254	ENSMUSG0	Gm37834
ENSMUSG0	350.0792	0.348361	0.25305	1.376646	0.168622	0.635254	ENSMUSG0	Rras
ENSMUSG0	1305.351	-0.23153	0.168199	-1.37653	0.168657	0.635262	ENSMUSG0	Cebpz
ENSMUSG0	3.099146	-1.67654	1.218077	-1.37638	0.168703	0.635313	ENSMUSG0	Gm42973
ENSMUSG0	109.5286	0.503762	0.366093	1.376049	0.168806	0.635577	ENSMUSG0	Msr3
ENSMUSG0	39.44826	-0.40221	0.292358	-1.37573	0.168904	0.63582	ENSMUSG0	Mterf1b
ENSMUSG0	330.5458	-0.58743	0.427102	-1.37539	0.169009	0.636091	ENSMUSG0	Cdc14a
ENSMUSG0	312.0512	0.628018	0.457084	1.373967	0.169452	0.637616	ENSMUSG0	Nsg1
ENSMUSG0	235.8106	0.327277	0.238231	1.373782	0.169509	0.637616	ENSMUSG0	Reck
ENSMUSG0	1609.615	-0.48705	0.354537	-1.37377	0.169514	0.637616	ENSMUSG0	Psmb10
ENSMUSG0	497.9496	-0.25101	0.182746	-1.37355	0.169581	0.637743	ENSMUSG0	Ptcd2
ENSMUSG0	16755.02	-0.28815	0.209814	-1.37338	0.169633	0.637815	ENSMUSG0	Cplx2
ENSMUSG0	2356.655	0.274156	0.199647	1.373205	0.169689	0.637899	ENSMUSG0	Nudt4
ENSMUSG0	670.7162	-0.28359	0.206587	-1.37275	0.169829	0.638245	ENSMUSG0	Vps13c
ENSMUSG0	580.5194	-0.30298	0.22072	-1.3727	0.169847	0.638245	ENSMUSG0	Zfand1
ENSMUSG0	444.9631	0.204643	0.149112	1.37241	0.169936	0.638454	ENSMUSG0	Nudt13
ENSMUSG0	1883.402	-0.20518	0.149557	-1.3719	0.170094	0.638925	ENSMUSG0	Grik5
ENSMUSG0	3.281752	1.288278	0.939177	1.371709	0.170154	0.639024	ENSMUSG0	Gpr156
ENSMUSG0	418.3184	-1.24687	0.909113	-1.37153	0.17021	0.639111	ENSMUSG0	Rbpjl
ENSMUSG0	14.9123	-0.62889	0.458593	-1.37135	0.170265	0.639193	ENSMUSG0	Gm42658
ENSMUSG0	6.475389	1.217932	0.888252	1.371156	0.170326	0.639201	ENSMUSG0	Shcbp1l
ENSMUSG0	22.77821	0.908936	0.662909	1.371132	0.170334	0.639201	ENSMUSG0	E330020D1
ENSMUSG0	33.43817	-0.75521	0.551051	-1.3705	0.170531	0.639817	ENSMUSG0	Gm42447
ENSMUSG0	1310.927	-0.20638	0.150606	-1.37032	0.170587	0.639901	ENSMUSG0	Uhrf2
ENSMUSG0	309.5102	-0.24298	0.177348	-1.37008	0.170663	0.640061	ENSMUSG0	Erg28
ENSMUSG0	1286.985	-0.16388	0.119626	-1.36992	0.170712	0.64012	ENSMUSG0	Rnpep
ENSMUSG0	236.1352	-0.39032	0.284951	-1.36979	0.170752	0.640146	ENSMUSG0	Paox
ENSMUSG0	822.8306	-0.24038	0.175644	-1.36858	0.171131	0.641306	ENSMUSG0	Lamtor3
ENSMUSG0	1145.439	-0.21727	0.158771	-1.36843	0.171177	0.641306	ENSMUSG0	Zfp358
ENSMUSG0	3312.098	0.247411	0.180805	1.368389	0.17119	0.641306	ENSMUSG0	Cyb561
ENSMUSG0	50.93187	-0.51502	0.376371	-1.36837	0.171195	0.641306	ENSMUSG0	1700029115
ENSMUSG0	1203.558	-0.27359	0.199966	-1.36819	0.171254	0.641402	ENSMUSG0	Tmem30b
ENSMUSG0	639.8754	-0.25055	0.183159	-1.36794	0.171331	0.641565	ENSMUSG0	Dguok
ENSMUSG0	4.830364	1.140212	0.833702	1.367649	0.171422	0.641781	ENSMUSG0	Tbx15
ENSMUSG0	150674.2	-1.34816	0.985883	-1.36747	0.171479	0.64187	ENSMUSG0	Cpa1
ENSMUSG0	877.0961	0.252143	0.184485	1.366738	0.171707	0.6426	ENSMUSG0	Klf3
ENSMUSG0	2659.704	-0.30012	0.219621	-1.36655	0.171767	0.642696	ENSMUSG0	Vil1
ENSMUSG0	1442.75	0.345992	0.253214	1.366404	0.171812	0.642743	ENSMUSG0	Ablim1
ENSMUSG0	1316.043	-0.33082	0.242133	-1.36626	0.171858	0.64279	ENSMUSG0	Nrxn1
ENSMUSG0	1886.098	-0.22417	0.164108	-1.36602	0.171934	0.642853	ENSMUSG0	Pcnx3
ENSMUSG0	586.692	-0.6622	0.484776	-1.36599	0.171942	0.642853	ENSMUSG0	Mttp
ENSMUSG0	59.7763	-0.49655	0.363577	-1.36573	0.172024	0.643033	ENSMUSG0	BC025920
ENSMUSG0	13.27417	-0.81409	0.596208	-1.36544	0.172114	0.643164	ENSMUSG0	Fgl1
ENSMUSG0	135.327	0.792782	0.580723	1.365164	0.172201	0.643179	ENSMUSG0	Gbp4
ENSMUSG0	452.6677	0.281257	0.206027	1.365147	0.172207	0.643179	ENSMUSG0	Traf4
ENSMUSG0	14.68954	0.758893	0.556001	1.364913	0.17228	0.643179	ENSMUSG0	Slc13a3
ENSMUSG0	11.98473	-0.68793	0.504019	-1.36489	0.172288	0.643179	ENSMUSG0	Lor
ENSMUSG0	6.068999	-1.18441	0.867819	-1.36481	0.172312	0.643179	ENSMUSG0	Gm43623
ENSMUSG0	877.171	-0.23487	0.172098	-1.36475	0.17233	0.643179	ENSMUSG0	Wdr90

ENSMUSG0	103.1084	0.88304	0.647086	1.364641	0.172366	0.643187	ENSMUSG0 Phox2b
ENSMUSG0	17.18967	-0.73489	0.538728	-1.36412	0.172531	0.643678	ENSMUSG0E230029C0
ENSMUSG0	4.854718	1.403348	1.028909	1.363918	0.172593	0.643786	ENSMUSG0 Gm36963
ENSMUSG0	20.91508	1.1439	0.838761	1.363796	0.172632	0.643805	ENSMUSG0 Xcr1
ENSMUSG0	1008.879	-0.22069	0.161845	-1.3636	0.172694	0.643913	ENSMUSG0 Ciz1
ENSMUSG0	42.71636	-0.40742	0.298818	-1.36342	0.17275	0.643932	ENSMUSG0 Prr22
ENSMUSG0	377.4772	-0.23663	0.173559	-1.36337	0.172766	0.643932	ENSMUSG0 Zdhhc14
ENSMUSG0	2970.77	-0.22048	0.161729	-1.36326	0.172801	0.643938	ENSMUSG0 Cdh2
ENSMUSG0	5900.793	-0.48636	0.356837	-1.36298	0.172889	0.64414	ENSMUSG0 H2-Ea
ENSMUSG0	1584.719	-0.24959	0.183177	-1.36255	0.173024	0.644516	ENSMUSG0 Smyd2
ENSMUSG0	33.24469	0.759974	0.557801	1.362447	0.173057	0.644516	ENSMUSG0 Fbxl22
ENSMUSG0	134.0395	-0.31494	0.231191	-1.36225	0.17312	0.644613	ENSMUSG0E130317F2I
ENSMUSG0	843.5817	-0.19906	0.146139	-1.36215	0.17315	0.644613	ENSMUSG0 Selenoo
ENSMUSG0	3.951235	-1.30811	0.960533	-1.36185	0.173244	0.644838	ENSMUSG0 Gm12568
ENSMUSG0	4277.452	-0.29336	0.215446	-1.36166	0.173306	0.644945	ENSMUSG0 Fam234a
ENSMUSG0	235.4683	0.613537	0.450659	1.36142	0.173381	0.645033	ENSMUSG0 Rasgrp2
ENSMUSG0	41.27659	0.566221	0.41592	1.361369	0.173397	0.645033	ENSMUSG06530402F1I
ENSMUSG0	66.95669	0.491136	0.360861	1.361013	0.17351	0.64507	ENSMUSG0 Ccnb1
ENSMUSG0	198.4768	-0.33314	0.244776	-1.36099	0.173517	0.64507	ENSMUSG0 Hunk
ENSMUSG0	3508.707	0.230449	0.169331	1.360937	0.173534	0.64507	ENSMUSG0 Gsn
ENSMUSG0	199.8513	0.298842	0.21959	1.360909	0.173543	0.64507	ENSMUSG0 Chadl
ENSMUSG0	14857.35	0.185409	0.136249	1.360807	0.173575	0.64507	ENSMUSG0 Aldoa
ENSMUSG0	330.3637	0.259982	0.191109	1.36038	0.17371	0.645447	ENSMUSG0 Mief2
ENSMUSG0	224.1731	0.602078	0.442658	1.360142	0.173785	0.645602	ENSMUSG0 Dapl1
ENSMUSG0	403.3731	-0.25975	0.191003	-1.35995	0.173845	0.6457	ENSMUSG0 Qtrt2
ENSMUSG0	401.8137	-0.31175	0.22928	-1.35968	0.17393	0.645772	ENSMUSG0 B9d1
ENSMUSG0	701.2578	0.157371	0.115745	1.359631	0.173947	0.645772	ENSMUSG0 Ccdc157
ENSMUSG0	1629.55	-0.38643	0.284226	-1.35957	0.173965	0.645772	ENSMUSG0 Denr
ENSMUSG0	1016.33	0.372411	0.27412	1.358568	0.174284	0.646172	ENSMUSG0 Dsg2
ENSMUSG0	370.9037	0.421217	0.31005	1.358547	0.17429	0.646172	ENSMUSG0 Gm42860
ENSMUSG0	21.36654	0.726997	0.535148	1.358495	0.174307	0.646172	ENSMUSG0 Gm38391
ENSMUSG0	1579.142	0.297187	0.218784	1.358356	0.174351	0.646172	ENSMUSG0 Adar
ENSMUSG0	125.9196	0.424729	0.312697	1.358277	0.174376	0.646172	ENSMUSG0 Nxph3
ENSMUSG0	1501.025	-0.28774	0.211846	-1.35827	0.174379	0.646172	ENSMUSG0 Fnip1
ENSMUSG0	3.775523	1.470253	1.082464	1.358247	0.174385	0.646172	ENSMUSG0 Dhrrs2
ENSMUSG0	402.5379	-0.21	0.154612	-1.3582	0.174399	0.646172	ENSMUSG0 Dbr1
ENSMUSG0	89.16089	0.40367	0.297231	1.358105	0.17443	0.646172	ENSMUSG0 Gm43042
ENSMUSG0	1037.383	-0.15702	0.115627	-1.358	0.174465	0.646172	ENSMUSG0 Poldip2
ENSMUSG0	3.720815	-1.22062	0.898842	-1.35799	0.174466	0.646172	ENSMUSG0 Rpl34-ps1
ENSMUSG0	5.225713	1.137252	0.837469	1.357962	0.174476	0.646172	ENSMUSG0 C1ql3
ENSMUSG0	4.91525	-1.15199	0.848472	-1.35772	0.174551	0.646327	ENSMUSG0 Rxrp2
ENSMUSG0	26.2045	-0.5092	0.375169	-1.35725	0.174702	0.646759	ENSMUSG0 Gm47976
ENSMUSG0	1150.045	-0.21431	0.157919	-1.35708	0.174756	0.646837	ENSMUSG0 Trmt6
ENSMUSG0	92.07524	-0.35808	0.263933	-1.35669	0.17488	0.647093	ENSMUSG0 Proc
ENSMUSG0	9.956661	1.433413	1.056606	1.35662	0.174902	0.647093	ENSMUSG0 Htr1d
ENSMUSG0	42.15375	0.598137	0.440946	1.356484	0.174945	0.647093	ENSMUSG0 Ntrk3
ENSMUSG0	810.1185	0.242604	0.17886	1.356395	0.174974	0.647093	ENSMUSG0 Pcsk6
ENSMUSG0	361.824	0.342573	0.252573	1.356332	0.174994	0.647093	ENSMUSG0 Pde7a
ENSMUSG0	427.266	-0.19903	0.146762	-1.35616	0.175049	0.647175	ENSMUSG0 Recql5
ENSMUSG0	94.04021	0.389513	0.287297	1.355786	0.175167	0.647223	ENSMUSG0 Sertm1
ENSMUSG0	602.9185	0.283533	0.209135	1.35574	0.175182	0.647223	ENSMUSG0 Adam17
ENSMUSG0	73.51692	-0.52596	0.387958	-1.3557	0.175194	0.647223	ENSMUSG0 Gm6999

ENSMUSG0	3339.556	0.288397	0.212731	1.355688	0.175198	0.647223	ENSMUSG0 Ctnnd1
ENSMUSG0	426.1355	-0.32929	0.242911	-1.35559	0.175231	0.647223	ENSMUSG0 Phlda1
ENSMUSG0	128.945	-0.43306	0.319498	-1.35543	0.175281	0.647286	ENSMUSG01700007L1!
ENSMUSG0	118.1994	0.385721	0.284634	1.355146	0.175371	0.647493	ENSMUSG0 Dzip1
ENSMUSG0	3302.229	-0.27735	0.204694	-1.35495	0.175433	0.647598	ENSMUSG0 Hmgn3
ENSMUSG0	384.9552	0.336362	0.24827	1.354821	0.175475	0.647626	ENSMUSG0 Nap1l3
ENSMUSG0	2409.305	-0.34017	0.25113	-1.35456	0.175557	0.647807	ENSMUSG0 Yipf6
ENSMUSG0	4324.445	0.502043	0.370791	1.35398	0.175743	0.647897	ENSMUSG0 Pappa2
ENSMUSG0	377.9667	-0.26585	0.19636	-1.35389	0.17577	0.647897	ENSMUSG0 Mrps15
ENSMUSG0	614.0112	-0.26202	0.193551	-1.35376	0.175814	0.647897	ENSMUSG0 Ssbp1
ENSMUSG0	4336.586	-0.21539	0.159108	-1.35373	0.175823	0.647897	ENSMUSG0 Rundc3a
ENSMUSG0	118.5367	-0.40809	0.301471	-1.35365	0.175847	0.647897	ENSMUSG0 Gm3650
ENSMUSG0	13.28657	1.390469	1.027201	1.353649	0.175849	0.647897	ENSMUSG0 Stra6
ENSMUSG0	931.1134	0.292526	0.216104	1.353635	0.175853	0.647897	ENSMUSG0 Ptpn9
ENSMUSG0	229.9014	0.212185	0.156759	1.353573	0.175873	0.647897	ENSMUSG0 Kctd7
ENSMUSG0	13.76901	-0.67402	0.497968	-1.35354	0.175885	0.647897	ENSMUSG0 Gm43173
ENSMUSG0	3.261303	-1.45087	1.072165	-1.35321	0.175988	0.648085	ENSMUSG0 Gm37809
ENSMUSG0	243.4614	0.657686	0.486046	1.353133	0.176013	0.648085	ENSMUSG0 Gm8995
ENSMUSG0	729.3725	0.309452	0.228706	1.353059	0.176037	0.648085	ENSMUSG0 Dlc1
ENSMUSG0	2140.563	0.210395	0.15554	1.35267	0.176161	0.648419	ENSMUSG0 Lmna
ENSMUSG0	1611.824	0.183623	0.135766	1.352496	0.176217	0.648461	ENSMUSG0 Mta2
ENSMUSG0	794.5056	-0.22569	0.166877	-1.35242	0.17624	0.648461	ENSMUSG0 Mospd3
ENSMUSG0	690.8583	0.257454	0.190397	1.352196	0.176312	0.648539	ENSMUSG0 Msh6
ENSMUSG0	3.640393	-1.29188	0.955431	-1.35215	0.176329	0.648539	ENSMUSG0 Gm37423
ENSMUSG0	1814.318	0.171481	0.126839	1.351956	0.176389	0.648638	ENSMUSG0 Ensa
ENSMUSG0	658.2909	-0.36963	0.273474	-1.35162	0.176497	0.648713	ENSMUSG0 Apobec1
ENSMUSG0	223.6488	-0.41685	0.308415	-1.35158	0.176509	0.648713	ENSMUSG0 Gm11837
ENSMUSG0	241.277	-0.34407	0.25457	-1.35158	0.176511	0.648713	ENSMUSG0 Ube2d-ps
ENSMUSG0	3076.648	-0.18096	0.133927	-1.35116	0.176645	0.649081	ENSMUSG0 Chka
ENSMUSG0	411.7008	0.5614	0.415561	1.350946	0.176713	0.649206	ENSMUSG0 Fermt3
ENSMUSG0	133.4287	-0.32781	0.242702	-1.35067	0.176801	0.649407	ENSMUSG0 Aoc2
ENSMUSG0	33.3506	1.024981	0.758982	1.350469	0.176866	0.649521	ENSMUSG0 Mdga1
ENSMUSG0	59.19777	-0.47013	0.34817	-1.3503	0.176919	0.649593	ENSMUSG02810403D2
ENSMUSG0	3.159509	1.534677	1.136751	1.350056	0.176998	0.649758	ENSMUSG0 Gm41662
ENSMUSG0	641.0233	-0.22144	0.164096	-1.34945	0.177191	0.650343	ENSMUSG0 Taf6
ENSMUSG0	2959.951	0.170219	0.126174	1.349084	0.17731	0.650656	ENSMUSG0 Add1
ENSMUSG0	94.31494	0.419261	0.310837	1.348814	0.177397	0.650775	ENSMUSG0 Gm14325
ENSMUSG0	79.85783	0.393441	0.291715	1.348719	0.177427	0.650775	ENSMUSG0 Ttc12
ENSMUSG0	499.5857	-0.34514	0.255926	-1.34861	0.177462	0.650775	ENSMUSG0 Adpgk
ENSMUSG0	93.42855	0.300754	0.22303	1.348495	0.177499	0.650775	ENSMUSG0 Amer3
ENSMUSG0	208.8261	-0.39367	0.29194	-1.34846	0.177512	0.650775	ENSMUSG0 Golt1a
ENSMUSG0	11.08864	-0.69361	0.514538	-1.34802	0.177652	0.651165	ENSMUSG03110045C2
ENSMUSG0	6.939825	-1.03346	0.766802	-1.34776	0.177737	0.651339	ENSMUSG0 Gm10840
ENSMUSG0	994.3424	0.300099	0.222698	1.347563	0.177799	0.651339	ENSMUSG0 Prmt2
ENSMUSG0	2251.896	-0.24712	0.183393	-1.3475	0.177819	0.651339	ENSMUSG0 Yipf4
ENSMUSG0	424.5052	0.442368	0.3283	1.347451	0.177835	0.651339	ENSMUSG0 Myo9a
ENSMUSG0	162.4208	0.315231	0.234096	1.346587	0.178113	0.652097	ENSMUSG0 Tmem121
ENSMUSG0	1003.256	-0.27304	0.202767	-1.34658	0.178115	0.652097	ENSMUSG0 Tpp1
ENSMUSG0	15.82901	-0.80183	0.595497	-1.34649	0.178144	0.652097	ENSMUSG0 Gm49719
ENSMUSG0	1620.598	0.184842	0.137332	1.345949	0.178319	0.652547	ENSMUSG0 Tecpr1
ENSMUSG0	9.696367	-0.88041	0.654145	-1.3459	0.178334	0.652547	ENSMUSG0D6Ert527e
ENSMUSG0	204.386	-0.21245	0.157869	-1.34572	0.178394	0.652623	ENSMUSG0 Sirt4

ENSMUSG0	874.7251	-0.20401	0.151628	-1.34544	0.178483	0.652623	ENSMUSG0	Xrcc5
ENSMUSG0	47.13731	0.50731	0.377064	1.345421	0.178489	0.652623	ENSMUSG0	Efhd1
ENSMUSG0	194.4072	-0.33792	0.251195	-1.34527	0.178539	0.652623	ENSMUSG0	H2-K2
ENSMUSG0	12.87451	0.783612	0.582515	1.345222	0.178553	0.652623	ENSMUSG0	Gm45767
ENSMUSG0	1020.621	-0.20876	0.155196	-1.34517	0.17857	0.652623	ENSMUSG0	Crtc2
ENSMUSG0	31.09283	0.638534	0.474711	1.345101	0.178593	0.652623	ENSMUSG0	Mirt1
ENSMUSG0	185.6326	-0.57403	0.426803	-1.34495	0.178642	0.65268	ENSMUSG0	Gm45716
ENSMUSG0	22.79197	-0.57464	0.427336	-1.34471	0.178718	0.652835	ENSMUSG0	Sec31b
ENSMUSG0	7.981711	-0.79602	0.592038	-1.34454	0.178775	0.652886	ENSMUSG0	Rps6-ps3
ENSMUSG0	4.338716	-1.37894	1.025683	-1.34442	0.178814	0.652886	ENSMUSG0	Gm37238
ENSMUSG0	200.0902	-0.30207	0.224719	-1.34422	0.178879	0.652886	ENSMUSG0	Zfp944
ENSMUSG0	8.457085	1.852782	1.378418	1.344137	0.178904	0.652886	ENSMUSG0	Mmp25
ENSMUSG0	261.2924	0.347193	0.258309	1.344102	0.178916	0.652886	ENSMUSG0	Klh18
ENSMUSG0	9.324442	1.316203	0.979291	1.344038	0.178936	0.652886	ENSMUSG0	Gm15922
ENSMUSG0	1171.156	-0.20822	0.154938	-1.34387	0.17899	0.652896	ENSMUSG0	Hook2
ENSMUSG0	915.4661	-0.20802	0.154805	-1.34373	0.179035	0.652896	ENSMUSG0	Guf1
ENSMUSG0	1135.635	0.523946	0.389967	1.343566	0.179089	0.652896	ENSMUSG0	Gm43305
ENSMUSG0	322.7781	0.42864	0.319048	1.343498	0.179111	0.652896	ENSMUSG0	Crif3
ENSMUSG0	3.535574	1.292947	0.962452	1.343389	0.179146	0.652896	ENSMUSG0	Gm45889
ENSMUSG0	1330.397	-0.26294	0.195745	-1.34326	0.179186	0.652896	ENSMUSG0	Hif1an
ENSMUSG0	1587.122	0.414181	0.30835	1.343218	0.179201	0.652896	ENSMUSG0	Sh3bgrl3
ENSMUSG0	301.6172	0.349319	0.260076	1.343142	0.179226	0.652896	ENSMUSG0	Spata6
ENSMUSG0	30.38438	0.618355	0.460421	1.343021	0.179265	0.652896	ENSMUSG0	Gm11346
ENSMUSG0	1448.775	-0.23864	0.177695	-1.34298	0.179278	0.652896	ENSMUSG0	Jade2
ENSMUSG0	4179.562	-0.17091	0.127288	-1.34267	0.179378	0.653134	ENSMUSG0	Wsb2
ENSMUSG0	164.9511	-0.59204	0.441039	-1.34237	0.179476	0.653341	ENSMUSG0	Lyve1
ENSMUSG0	7.284511	1.205553	0.898133	1.342289	0.179502	0.653341	ENSMUSG0	Rscan18
ENSMUSG0	32.89556	-0.55541	0.413827	-1.34212	0.179557	0.653407	ENSMUSG0	Gm12397
ENSMUSG0	3.180929	1.3518	1.007303	1.342	0.179596	0.653407	ENSMUSG0	Gm13483
ENSMUSG0	964.3988	-0.23135	0.1724	-1.34192	0.179622	0.653407	ENSMUSG0	Foxj2
ENSMUSG0	738.7138	-0.2402	0.179019	-1.34176	0.179675	0.653474	ENSMUSG0	Wdsub1
ENSMUSG0	280.725	-0.35875	0.267402	-1.34163	0.179717	0.653503	ENSMUSG0	Lsm1
ENSMUSG0	60.92434	0.519436	0.387336	1.341049	0.179905	0.653886	ENSMUSG0	Gins2
ENSMUSG0	2305.371	-0.23556	0.175655	-1.34104	0.179908	0.653886	ENSMUSG0	Dnajb11
ENSMUSG0	12.03632	0.740358	0.552099	1.340989	0.179924	0.653886	ENSMUSG0	Alox5
ENSMUSG0	1399.126	-0.33353	0.248904	-1.34	0.180245	0.654884	ENSMUSG0	Bcl2l2
ENSMUSG0	29.2116	-0.63383	0.473055	-1.33986	0.180292	0.654884	ENSMUSG0	Gm42940
ENSMUSG0	316.8132	0.670686	0.500588	1.339796	0.180312	0.654884	ENSMUSG0	Septin6
ENSMUSG0	367.011	-0.29819	0.222579	-1.33972	0.180337	0.654884	ENSMUSG0	Pdk3
ENSMUSG0	482.7583	-0.43606	0.325509	-1.33962	0.180369	0.654884	ENSMUSG0	Atxn1
ENSMUSG0	213.6382	0.62476	0.466472	1.339332	0.180463	0.6551	ENSMUSG0	Fbn1
ENSMUSG0	563.4125	-0.35049	0.261747	-1.33904	0.180558	0.655322	ENSMUSG0	Pcca
ENSMUSG0	409.2301	0.709605	0.530008	1.338856	0.180617	0.655415	ENSMUSG0	C4b
ENSMUSG0	6.326696	0.984676	0.735676	1.338463	0.180745	0.655689	ENSMUSG0	Gm43511
ENSMUSG0	38.06912	0.531567	0.397161	1.338416	0.180761	0.655689	ENSMUSG0	A930037HC
ENSMUSG0	7.274341	0.884446	0.661509	1.337013	0.181219	0.657225	ENSMUSG0	Gm38279
ENSMUSG0	1831.35	0.206045	0.154155	1.336603	0.181352	0.657475	ENSMUSG0	Ski
ENSMUSG0	15.83487	-0.6329	0.473521	-1.33659	0.181356	0.657475	ENSMUSG0	Gm5628
ENSMUSG0	45.88379	-0.74035	0.554005	-1.33635	0.181434	0.657531	ENSMUSG0	Adm2
ENSMUSG0	892.7821	0.188286	0.140916	1.336162	0.181496	0.657531	ENSMUSG0	Mrpl9
ENSMUSG0	4.9533	1.074323	0.804042	1.336152	0.181499	0.657531	ENSMUSG0	Prkag3
ENSMUSG0	727.2771	1.079169	0.807685	1.336126	0.181508	0.657531	ENSMUSG0	Tagln

ENSMUSG0	60.58381	0.912283	0.682896	1.335903	0.181581	0.657557	ENSMUSG0 Zfp831
ENSMUSG0	998.1001	-0.17203	0.128781	-1.33584	0.181603	0.657557	ENSMUSG0 Rhot1
ENSMUSG0	289.0232	-0.27971	0.209396	-1.33579	0.181618	0.657557	ENSMUSG0 Alg3
ENSMUSG0	14.03113	-0.78881	0.590565	-1.33568	0.181655	0.657556	ENSMUSG0 Gm37376
ENSMUSG0	62.36637	-0.77752	0.582166	-1.33557	0.181689	0.657556	ENSMUSG0 Chp2
ENSMUSG0	6.230302	-1.1737	0.878864	-1.33547	0.181721	0.657556	ENSMUSG0 Gm37906
ENSMUSG0	268.7969	0.208885	0.156545	1.334344	0.182091	0.658651	ENSMUSG0 Mettl14
ENSMUSG0	2639.246	-0.49624	0.371937	-1.33421	0.182133	0.65868	ENSMUSG0 Rn7s1
ENSMUSG0	64.38278	0.348187	0.260991	1.334094	0.182173	0.658699	ENSMUSG0 Ptch2
ENSMUSG0	29.31589	-0.50453	0.378299	-1.33368	0.182309	0.658898	ENSMUSG0 Gm7818
ENSMUSG0	129.748	0.351995	0.263942	1.333609	0.182332	0.658898	ENSMUSG0 Nek10
ENSMUSG0	248.7033	0.655593	0.491629	1.333512	0.182364	0.658898	ENSMUSG0 Sting1
ENSMUSG0	143.9277	0.417736	0.313261	1.333509	0.182365	0.658898	ENSMUSG0 Rit2
ENSMUSG0	1201.153	-0.29057	0.217944	-1.33321	0.182463	0.658999	ENSMUSG0 Vbp1
ENSMUSG0	901.0748	0.329592	0.247236	1.333104	0.182498	0.658999	ENSMUSG0 Psmd5
ENSMUSG0	60.64407	-0.5132	0.384991	-1.33302	0.182524	0.658999	ENSMUSG0 Blm
ENSMUSG0	225.0018	0.395397	0.296636	1.332937	0.182553	0.658999	ENSMUSG0 Cpne8
ENSMUSG0	652.6506	-0.34196	0.256553	-1.33289	0.182568	0.658999	ENSMUSG0 Coq10b
ENSMUSG0	53.21011	0.430568	0.323067	1.332752	0.182613	0.658999	ENSMUSG0 Gm16199
ENSMUSG0	41.24393	0.590056	0.442755	1.332692	0.182633	0.658999	ENSMUSG0 Pla2r1
ENSMUSG0	8.340244	-0.89125	0.669076	-1.33206	0.182842	0.659593	ENSMUSG0 C79130
ENSMUSG0	2935.329	-0.25496	0.191421	-1.33193	0.182884	0.659593	ENSMUSG0 Zswim8
ENSMUSG0	1863.785	-0.27122	0.20365	-1.33179	0.182928	0.659593	ENSMUSG0 Psme4
ENSMUSG0	550.9104	-0.2802	0.210397	-1.33177	0.182934	0.659593	ENSMUSG0 Chchd4
ENSMUSG0	545.802	-0.21958	0.164907	-1.33155	0.183008	0.659697	ENSMUSG0 E130309D0
ENSMUSG0	11.19824	0.622958	0.46787	1.331478	0.183032	0.659697	ENSMUSG0 Fam131c
ENSMUSG0	53.31612	-0.48428	0.363809	-1.33113	0.183147	0.65979	ENSMUSG0 Zfp968-ps
ENSMUSG0	2807.061	-0.17019	0.127852	-1.33111	0.183152	0.65979	ENSMUSG0 Prpf19
ENSMUSG0	21.68234	-1.33391	1.002134	-1.33106	0.183168	0.65979	ENSMUSG0 Ighv3-6
ENSMUSG0	1685.838	0.278762	0.209446	1.33095	0.183206	0.65979	ENSMUSG0 Hmgcs1
ENSMUSG0	728.6069	-0.20742	0.15586	-1.33079	0.183259	0.65979	ENSMUSG0 Stx18
ENSMUSG0	1835.867	-0.18565	0.13954	-1.33048	0.18336	0.65979	ENSMUSG0 Rnf114
ENSMUSG0	3.668986	1.328738	0.998715	1.330448	0.183371	0.65979	ENSMUSG0 Gm50210
ENSMUSG0	4.285073	-1.02758	0.772364	-1.33044	0.183374	0.65979	ENSMUSG0 4930471D0
ENSMUSG0	661.9484	-1.21951	0.916663	-1.33038	0.183393	0.65979	ENSMUSG0 Aqp12
ENSMUSG0	880.0967	-0.26008	0.195533	-1.33011	0.183482	0.65979	ENSMUSG0 Fam155a
ENSMUSG0	49.10431	0.498484	0.374772	1.330099	0.183486	0.65979	ENSMUSG0 Lrrc3b
ENSMUSG0	276.8815	-0.24787	0.186368	-1.32999	0.183521	0.65979	ENSMUSG0 Prr7
ENSMUSG0	242.0506	-0.29352	0.2207	-1.32997	0.183528	0.65979	ENSMUSG0 Plekha4
ENSMUSG0	81.6873	0.742289	0.558177	1.329844	0.18357	0.65979	ENSMUSG0 Gpr174
ENSMUSG0	7.034793	-0.80192	0.603029	-1.32983	0.183576	0.65979	ENSMUSG0 Gm37264
ENSMUSG0	211.643	0.34922	0.262712	1.329292	0.183752	0.65979	ENSMUSG0 Stk36
ENSMUSG0	38.12473	-0.70666	0.531643	-1.32921	0.18378	0.65979	ENSMUSG0 Gm12346
ENSMUSG0	38.73549	0.991958	0.746325	1.329123	0.183807	0.65979	ENSMUSG0 Nkd1
ENSMUSG0	531.705	0.412281	0.310192	1.329116	0.18381	0.65979	ENSMUSG0 Oxtr
ENSMUSG0	37.99559	-0.53451	0.402233	-1.32885	0.183898	0.65979	ENSMUSG0 BB218582
ENSMUSG0	616.2632	0.450414	0.338991	1.328693	0.183949	0.65979	ENSMUSG0 Rapgef6
ENSMUSG0	505.3991	0.320071	0.240903	1.32863	0.18397	0.65979	ENSMUSG0 Napepld
ENSMUSG0	647.9034	-0.2947	0.221807	-1.32862	0.183974	0.65979	ENSMUSG0 Gbe1
ENSMUSG0	83.0043	-0.61372	0.461926	-1.32861	0.183976	0.65979	ENSMUSG0 A730063M
ENSMUSG0	271.241	0.302453	0.227647	1.328606	0.183978	0.65979	ENSMUSG0 Cbx8
ENSMUSG0	6.62561	1.197342	0.901224	1.328573	0.183989	0.65979	ENSMUSG0 Ighv1-75

ENSMUSG0	677.0021	0.44787	0.337136	1.328455	0.184028	0.65979	ENSMUSG0 Golga7b
ENSMUSG0	84.02514	0.608248	0.457871	1.328427	0.184037	0.65979	ENSMUSG0 Guca1a
ENSMUSG0	1324.618	-0.17505	0.131777	-1.32838	0.184052	0.65979	ENSMUSG0 Prcc
ENSMUSG0	3555.519	-0.21256	0.160034	-1.3282	0.184111	0.659856	ENSMUSG0 Atp6v0e2
ENSMUSG0	3519.124	-0.27119	0.204191	-1.32811	0.184141	0.659856	ENSMUSG0 Cox8a
ENSMUSG0	322.024	-0.41621	0.313408	-1.32801	0.184174	0.659856	ENSMUSG0 Psat1
ENSMUSG0	2363.842	-0.26165	0.197051	-1.32784	0.184232	0.659941	ENSMUSG0 Srp54c
ENSMUSG0	2525.107	0.1932	0.145565	1.327243	0.184428	0.660522	ENSMUSG0 Ube2h
ENSMUSG0	519.1303	-0.34705	0.26153	-1.32698	0.184514	0.660706	ENSMUSG0Tmem255a
ENSMUSG0	7.716396	-0.84168	0.634349	-1.32685	0.184559	0.660744	ENSMUSG05430430B1
ENSMUSG0	1504.087	-0.39307	0.296307	-1.32656	0.184655	0.660964	ENSMUSG0 Fkbp11
ENSMUSG0	40.20772	0.424045	0.319739	1.326224	0.184765	0.661017	ENSMUSG02510016D1
ENSMUSG0	15.75878	-0.66735	0.503202	-1.3262	0.184773	0.661017	ENSMUSG0 Rpsa-ps10
ENSMUSG0	2060.682	0.208021	0.156895	1.325862	0.184885	0.661297	ENSMUSG0 Limk2
ENSMUSG0	2372.618	-0.335	0.252719	-1.32557	0.184983	0.661346	ENSMUSG0 Atp6v1d
ENSMUSG0	559.1659	-0.35273	0.26612	-1.32545	0.185023	0.661346	ENSMUSG0 Srp19
ENSMUSG0	1396.771	0.19479	0.14697	1.325373	0.185048	0.661346	ENSMUSG0 Rallds
ENSMUSG0	762.0815	0.309386	0.233439	1.325338	0.185059	0.661346	ENSMUSG0 Wnk2
ENSMUSG0	13.47126	0.767104	0.578868	1.325179	0.185112	0.661346	ENSMUSG0 Dlgap2
ENSMUSG0	154.9807	0.347761	0.26244	1.325106	0.185136	0.661346	ENSMUSG0 Kcnp3
ENSMUSG0	23.82926	0.655793	0.494904	1.325092	0.185141	0.661346	ENSMUSG0 Col9a3
ENSMUSG0	228.8312	-0.28548	0.215458	-1.32499	0.185174	0.661346	ENSMUSG0 Kctd21
ENSMUSG0	403.4293	0.394999	0.298149	1.324839	0.185224	0.661403	ENSMUSG0 Jak3
ENSMUSG0	168.7781	-0.24506	0.18502	-1.32451	0.185334	0.661515	ENSMUSG0 Tatdn1
ENSMUSG0	76.75262	0.352771	0.266365	1.324388	0.185374	0.661515	ENSMUSG0E230013L2
ENSMUSG0	14.34056	-0.73835	0.55758	-1.32421	0.185435	0.661515	ENSMUSG0 Gm26876
ENSMUSG0	41.71476	-0.41737	0.315214	-1.32408	0.185478	0.661515	ENSMUSG0 Gm36371
ENSMUSG0	34.6544	1.012682	0.764837	1.32405	0.185486	0.661515	ENSMUSG0 Ccr9
ENSMUSG0	179.2637	-0.33734	0.25478	-1.32403	0.185494	0.661515	ENSMUSG0 Lrrc75a
ENSMUSG0	113.3336	0.385433	0.291108	1.32402	0.185496	0.661515	ENSMUSG0 Carns1
ENSMUSG0	1925.829	0.213742	0.16145	1.32389	0.18554	0.661529	ENSMUSG0 Atp8b2
ENSMUSG0	20.14159	0.646081	0.48805	1.323801	0.185569	0.661529	ENSMUSG0 Tlcd5
ENSMUSG0	461.8299	-0.18686	0.141183	-1.32352	0.185663	0.661562	ENSMUSG0 Tubgcp6
ENSMUSG0	24.61451	-0.5843	0.441495	-1.32346	0.185681	0.661562	ENSMUSG0 Gm45203
ENSMUSG0	177.7355	0.392546	0.296605	1.323462	0.185682	0.661562	ENSMUSG0 Wasf3
ENSMUSG0	521.2437	-0.27939	0.211155	-1.32313	0.185792	0.661832	ENSMUSG0 Gphn
ENSMUSG0	6.835126	-1.12214	0.848199	-1.32296	0.185848	0.661909	ENSMUSG0 Wdr63
ENSMUSG0	2109.987	0.161394	0.12201	1.322792	0.185905	0.661988	ENSMUSG0 Ddx23
ENSMUSG0	2355.328	-0.20213	0.152837	-1.32252	0.185994	0.662043	ENSMUSG0 Erlec1
ENSMUSG0	105.5411	-0.67449	0.510012	-1.32249	0.186004	0.662043	ENSMUSG0 Lbhd1
ENSMUSG0	170.9329	-0.47549	0.359561	-1.32242	0.186029	0.662043	ENSMUSG0 Slc25a35
ENSMUSG0	28798.96	-0.36857	0.278731	-1.32233	0.186058	0.662043	ENSMUSG0 Tpt1
ENSMUSG0	1317.059	0.247589	0.187259	1.322175	0.18611	0.662052	ENSMUSG0 Nedd4l
ENSMUSG0	28.0033	-0.55824	0.422263	-1.32203	0.18616	0.662052	ENSMUSG0 Gm45629
ENSMUSG0	19.4086	0.942567	0.713031	1.321914	0.186197	0.662052	ENSMUSG0 Gm26740
ENSMUSG0	16.00705	-0.69939	0.529091	-1.32187	0.186212	0.662052	ENSMUSG0 Gm14167
ENSMUSG0	439.9682	0.253215	0.191567	1.321808	0.186232	0.662052	ENSMUSG0 Mcm2
ENSMUSG0	445.5718	-0.22066	0.166967	-1.32155	0.186317	0.662208	ENSMUSG0 Supv3l1
ENSMUSG0	2520.632	0.342601	0.259258	1.321469	0.186345	0.662208	ENSMUSG0 Utrn
ENSMUSG0	91.81135	0.245723	0.185976	1.321263	0.186414	0.662239	ENSMUSG0 Maats1
ENSMUSG0	6.767263	-1.20543	0.912354	-1.32124	0.186423	0.662239	ENSMUSG0 Gm13344
ENSMUSG0	10.49451	-0.85972	0.650772	-1.32107	0.186478	0.662288	ENSMUSG0 Gm13261

ENSMUSG0	90.96204	0.322057	0.243818	1.320887	0.186539	0.662288	ENSMUSG0 Nfatc2ip
ENSMUSG0	497.2989	0.260315	0.197091	1.320787	0.186572	0.662288	ENSMUSG0 Trim46
ENSMUSG0	25.96894	0.499867	0.378463	1.320782	0.186574	0.662288	ENSMUSG0 Spag6l
ENSMUSG0	164.8515	0.312654	0.236786	1.320404	0.1867	0.662613	ENSMUSG0 Polk
ENSMUSG0	314.4002	-0.21662	0.164074	-1.32024	0.186754	0.662658	ENSMUSG0 Ubiad1
ENSMUSG0	34.08277	0.469399	0.355618	1.319953	0.186851	0.662658	ENSMUSG0 Serpina1a
ENSMUSG0	921.3894	-0.37536	0.284411	-1.31978	0.186908	0.662658	ENSMUSG0 Eif1ax
ENSMUSG0	425.0162	0.179546	0.136044	1.319757	0.186916	0.662658	ENSMUSG0 Ruvbl1
ENSMUSG0	289.1245	-0.25957	0.196697	-1.31964	0.186954	0.662658	ENSMUSG0 Tsen2
ENSMUSG0	1342.708	-0.22897	0.173535	-1.31947	0.187013	0.662658	ENSMUSG0 Rnf123
ENSMUSG0	80.58201	0.44089	0.334194	1.319265	0.18708	0.662658	ENSMUSG0 Ccnb2
ENSMUSG0	3715.072	-0.17371	0.131674	-1.31923	0.187092	0.662658	ENSMUSG0 Srp68
ENSMUSG0	1322.349	-0.20334	0.154142	-1.31918	0.18711	0.662658	ENSMUSG0 Abhd12
ENSMUSG0	48.26178	0.532165	0.403414	1.319154	0.187118	0.662658	ENSMUSG0 Gm49654
ENSMUSG0	311.0207	-0.72882	0.552532	-1.31906	0.187149	0.662658	ENSMUSG0 Igf1
ENSMUSG0	12.66214	-0.98576	0.747343	-1.31902	0.187161	0.662658	ENSMUSG0 Gm44663
ENSMUSG0	2085.772	-0.15084	0.114363	-1.31895	0.187186	0.662658	ENSMUSG0 Yy1
ENSMUSG0	926.2659	-0.3008	0.228082	-1.31883	0.187226	0.662658	ENSMUSG0 Ttc7
ENSMUSG0	14.23497	-0.63767	0.483513	-1.31882	0.18723	0.662658	ENSMUSG0 Gm49502
ENSMUSG0	589.5639	-0.26296	0.199428	-1.31859	0.187307	0.66281	ENSMUSG0 Pigu
ENSMUSG0	452.8558	-0.27719	0.210289	-1.31815	0.187453	0.662914	ENSMUSG0 Mrps35
ENSMUSG0	10.68306	-0.62402	0.47343	-1.31809	0.187474	0.662914	ENSMUSG0 Gm32224
ENSMUSG0	50.70502	-1.93552	1.468446	-1.31807	0.18748	0.662914	ENSMUSG0 Gm20075
ENSMUSG0	761.4262	0.288085	0.218588	1.317936	0.187525	0.662914	ENSMUSG0 Dixdc1
ENSMUSG0	4927.281	0.345545	0.262211	1.317811	0.187567	0.662914	ENSMUSG0 Sparc
ENSMUSG0	29.3478	0.423838	0.321644	1.317727	0.187595	0.662914	ENSMUSG0 Adcy8
ENSMUSG0	1177.357	-0.30788	0.233661	-1.31761	0.187633	0.662914	ENSMUSG0 Ndufa6
ENSMUSG0	3.144562	1.550621	1.176875	1.317575	0.187646	0.662914	ENSMUSG0 L3mbtl1
ENSMUSG0	2362.676	0.293835	0.22303	1.317469	0.187682	0.662914	ENSMUSG0 Rrp7a
ENSMUSG0	709.7113	-0.19216	0.145856	-1.31746	0.187685	0.662914	ENSMUSG0 Gmeb2
ENSMUSG0	367.8709	0.304724	0.23134	1.317214	0.187767	0.662914	ENSMUSG0 Nudt11
ENSMUSG0	123.9172	-0.85759	0.651077	-1.31719	0.187773	0.662914	ENSMUSG0 Padi2
ENSMUSG0	422.4776	-0.39667	0.301159	-1.31715	0.187789	0.662914	ENSMUSG0 Bola3
ENSMUSG0	582.5056	-0.25263	0.191823	-1.31699	0.187841	0.662914	ENSMUSG0 Endog
ENSMUSG0	425.6453	0.266912	0.202714	1.316692	0.187942	0.663105	ENSMUSG0 Zfp367
ENSMUSG0	29.70615	-0.54274	0.412238	-1.31658	0.187981	0.66312	ENSMUSG0 Lrrn4cl
ENSMUSG0	79.98715	-0.24953	0.18957	-1.3163	0.188072	0.663321	ENSMUSG0 Mcts2
ENSMUSG0	1412.286	-0.3274	0.248758	-1.31615	0.188124	0.663384	ENSMUSG0 Slc35b4
ENSMUSG0	121.3569	-0.40651	0.30891	-1.31596	0.188189	0.663436	ENSMUSG0 Lhx1
ENSMUSG0	755.0186	-0.29885	0.227111	-1.31586	0.18822	0.663436	ENSMUSG0 Sema4a
ENSMUSG0	1229.52	0.264694	0.201185	1.315676	0.188283	0.663436	ENSMUSG0 Kpna4
ENSMUSG0	19.06739	0.518501	0.394152	1.315484	0.188347	0.663436	ENSMUSG0 Sag
ENSMUSG0	5.200475	-1.01915	0.774789	-1.31539	0.18838	0.663436	ENSMUSG0 Mfsd13b
ENSMUSG0	293.6362	0.293314	0.222995	1.315341	0.188395	0.663436	ENSMUSG0 Lrrc8b
ENSMUSG0	2068.222	-0.24682	0.187654	-1.3153	0.18841	0.663436	ENSMUSG0 Tmem127
ENSMUSG0	11.7773	0.939902	0.71461	1.315265	0.188421	0.663436	ENSMUSG0 Comp
ENSMUSG0	10.86379	1.178869	0.896416	1.315093	0.188479	0.663436	ENSMUSG0 Igkv4-57
ENSMUSG0	37.28922	-0.59741	0.454305	-1.31499	0.188514	0.663436	ENSMUSG0 4930412F1
ENSMUSG0	2777.076	-0.30252	0.230055	-1.31497	0.188518	0.663436	ENSMUSG0 Sil1
ENSMUSG0	7.584213	1.0749	0.817787	1.314401	0.188711	0.663993	ENSMUSG0 Gm10548
ENSMUSG0	628.0388	-0.24235	0.184441	-1.31397	0.188856	0.664382	ENSMUSG0 Dcps
ENSMUSG0	75.87428	0.597165	0.454536	1.31379	0.188917	0.664473	ENSMUSG0 Smim5

ENSMUSG0	468.2144	0.165536	0.126063	1.313123	0.189142	0.66499	ENSMUSG0 Mmd
ENSMUSG0	98.07413	0.933977	0.711282	1.313089	0.189153	0.66499	ENSMUSG0 Cd6
ENSMUSG0	127.6984	0.294268	0.224142	1.312863	0.189229	0.66499	ENSMUSG0 Camkk1
ENSMUSG0	4.550419	-1.36497	1.039694	-1.31286	0.189232	0.66499	ENSMUSG0 Gm44041
ENSMUSG0	16.56465	0.746624	0.568709	1.312841	0.189237	0.66499	ENSMUSG0 Gm15411
ENSMUSG0	21.40822	-0.47346	0.360685	-1.31266	0.189298	0.665032	ENSMUSG0 Gm14379
ENSMUSG0	468.4104	-0.25758	0.196239	-1.3126	0.189318	0.665032	ENSMUSG0 Inpp5e
ENSMUSG0	367.5469	0.322856	0.24599	1.312478	0.189359	0.665032	ENSMUSG0 Cd59a
ENSMUSG0	46.26828	0.599149	0.456531	1.312395	0.189387	0.665032	ENSMUSG0 Zwilch
ENSMUSG0	22.13172	-0.52208	0.397868	-1.3122	0.189452	0.665116	ENSMUSG0A530041Ml
ENSMUSG0	1429.852	-0.17316	0.131971	-1.31212	0.18948	0.665116	ENSMUSG0 Lrrc8d
ENSMUSG0	385.6018	-0.3167	0.241395	-1.31194	0.189539	0.665194	ENSMUSG0 Mrpl21
ENSMUSG0	13.20568	-0.77127	0.587927	-1.31185	0.189571	0.665194	ENSMUSG0 Gm43167
ENSMUSG0	640.7842	-0.30953	0.236	-1.31159	0.18966	0.665383	ENSMUSG0 Ten1
ENSMUSG0	5.684766	-1.41364	1.078164	-1.31115	0.189806	0.665475	ENSMUSG0 Lrp8os2
ENSMUSG0	715.5273	0.161812	0.123417	1.311103	0.189823	0.665475	ENSMUSG0 Ldah
ENSMUSG0	708.3835	-0.27746	0.211633	-1.31105	0.189841	0.665475	ENSMUSG0 Rsph3a
ENSMUSG0	1204.429	0.16227	0.123773	1.311035	0.189846	0.665475	ENSMUSG0 Tbc1d14
ENSMUSG0	1784.918	0.193507	0.147605	1.310985	0.189863	0.665475	ENSMUSG0 Slc6a17
ENSMUSG0	5.388622	1.535657	1.171496	1.310851	0.189908	0.665475	ENSMUSG0 Prrx2
ENSMUSG0	29.67555	0.511078	0.3899	1.310791	0.189928	0.665475	ENSMUSG0 Gm30531
ENSMUSG0	40.16848	-0.77663	0.592693	-1.31034	0.190082	0.665831	ENSMUSG0 Slc3a1
ENSMUSG0	10429.49	-0.25579	0.195248	-1.31006	0.190176	0.665831	ENSMUSG0 Insrr
ENSMUSG0	16.41271	-0.81259	0.620377	-1.30983	0.190253	0.665831	ENSMUSG0 Khlh38
ENSMUSG0	20.59878	-0.51954	0.396713	-1.30961	0.190329	0.665831	ENSMUSG05730414N1
ENSMUSG0	190.1513	1.247796	0.952817	1.309587	0.190336	0.665831	ENSMUSG0 Cd3d
ENSMUSG0	1330.253	-0.23436	0.178972	-1.3095	0.190364	0.665831	ENSMUSG0 Odf2
ENSMUSG0	71.27258	0.443657	0.33881	1.309454	0.190381	0.665831	ENSMUSG0 Sstr2
ENSMUSG0	134.0971	0.28268	0.215878	1.309446	0.190383	0.665831	ENSMUSG0 Rab9b
ENSMUSG0	77.61995	0.743002	0.56744	1.309393	0.190401	0.665831	ENSMUSG0 Pcdha8
ENSMUSG0	296.5898	0.220065	0.16807	1.309365	0.190411	0.665831	ENSMUSG0 Wdr91
ENSMUSG0	818.6266	-0.19339	0.147725	-1.30914	0.190488	0.66598	ENSMUSG0 Inafm2
ENSMUSG0	7.861736	-0.90269	0.689625	-1.30896	0.190547	0.666065	ENSMUSG0 Tfp12
ENSMUSG0	30.12576	-0.53043	0.405261	-1.30885	0.190585	0.666079	ENSMUSG0 Gm37728
ENSMUSG0	708.5409	-0.20695	0.158129	-1.30873	0.190626	0.666101	ENSMUSG0 Clcn7
ENSMUSG0	503.6771	0.20862	0.159456	1.308318	0.190765	0.66642	ENSMUSG0 Spire2
ENSMUSG0	264.4006	-0.25704	0.196479	-1.30822	0.190799	0.66642	ENSMUSG0 Ciao2b
ENSMUSG0	526.8412	-0.39281	0.300295	-1.30808	0.190846	0.66642	ENSMUSG0 Cdk18
ENSMUSG0	23.41104	-1.84674	1.411848	-1.30803	0.190864	0.66642	ENSMUSG0 Sprr2a1
ENSMUSG0	3131.088	-0.30715	0.234846	-1.30788	0.190913	0.66642	ENSMUSG0 Guk1
ENSMUSG0	45.2472	0.601307	0.459835	1.307659	0.190989	0.66642	ENSMUSG0 Ntng2
ENSMUSG0	59.79026	1.94	1.483706	1.307537	0.19103	0.66642	ENSMUSG0 Cnn1
ENSMUSG0	503.5962	-0.2265	0.173231	-1.30749	0.191045	0.66642	ENSMUSG0 Dnajc30
ENSMUSG0	31352.14	-0.31911	0.244067	-1.30746	0.191056	0.66642	ENSMUSG0 Peg3
ENSMUSG0	1606.991	-0.18914	0.144668	-1.30744	0.191064	0.66642	ENSMUSG0 Pomt2
ENSMUSG0	34.37698	0.768024	0.587593	1.307069	0.191189	0.666737	ENSMUSG0 Gm47486
ENSMUSG0	295.8223	0.261822	0.200345	1.306855	0.191262	0.666868	ENSMUSG0 Rtl8c
ENSMUSG0	692.8531	-0.46224	0.3538	-1.30649	0.191385	0.667099	ENSMUSG0 Slc41a1
ENSMUSG0	29.8416	0.590428	0.451966	1.306356	0.191432	0.667099	ENSMUSG0 Car13
ENSMUSG0	388.235	0.379144	0.290234	1.306337	0.191438	0.667099	ENSMUSG0 Zfp462
ENSMUSG0	6965.533	0.177745	0.136073	1.306252	0.191467	0.667099	ENSMUSG0 Nucb1
ENSMUSG0	17.9541	-0.53793	0.411844	-1.30614	0.191505	0.667112	ENSMUSG0 Hsd17b1

ENSMUSG0	348.0715	0.172487	0.132093	1.305802	0.19162	0.66725	ENSMUSG0 Rdh11
ENSMUSG0	256.8882	0.419059	0.32094	1.305725	0.191646	0.66725	ENSMUSG0 Nrp2
ENSMUSG0	61.14918	0.511023	0.391433	1.305521	0.191715	0.66725	ENSMUSG0 Shmt1
ENSMUSG0	9.497911	1.302647	0.997809	1.305507	0.19172	0.66725	ENSMUSG0 Sh2d7
ENSMUSG0	43.40131	-0.54032	0.413885	-1.30547	0.191733	0.66725	ENSMUSG0 Uckl1os
ENSMUSG0	68.53444	-0.53548	0.410207	-1.30538	0.191763	0.66725	ENSMUSG0 Gm7240
ENSMUSG0	916.447	0.179265	0.137337	1.305296	0.191792	0.66725	ENSMUSG0 Nras
ENSMUSG0	201.264	0.395472	0.303001	1.305183	0.191831	0.66725	ENSMUSG0 Paqr7
ENSMUSG0	766.2244	0.23399	0.179302	1.305007	0.19189	0.66725	ENSMUSG0 Igsf1
ENSMUSG0	765.6622	-0.31167	0.238854	-1.30488	0.191935	0.66725	ENSMUSG0 Fam92a
ENSMUSG0	9.705897	-0.6538	0.501063	-1.30483	0.191952	0.66725	ENSMUSG0 Gm10382
ENSMUSG0	41.68575	-0.38577	0.295677	-1.30469	0.191997	0.66725	ENSMUSG04933440N2
ENSMUSG0	744.5826	-0.20656	0.158325	-1.30468	0.192001	0.66725	ENSMUSG0 Brd7
ENSMUSG0	31.81886	0.533343	0.408819	1.304596	0.19203	0.66725	ENSMUSG0 Mn1
ENSMUSG0	701.3463	0.214193	0.164284	1.303793	0.192304	0.6679	ENSMUSG0 Ccser2
ENSMUSG0	2021.154	-0.27549	0.211306	-1.30377	0.192311	0.6679	ENSMUSG0 Ube2e3
ENSMUSG0	482.9603	-0.27087	0.207777	-1.30366	0.19235	0.6679	ENSMUSG03830406C1
ENSMUSG0	1423.267	-0.18475	0.141736	-1.30346	0.192419	0.6679	ENSMUSG0 Tmem50b
ENSMUSG0	1173.107	-0.21818	0.167384	-1.30345	0.19242	0.6679	ENSMUSG0 Wbp1
ENSMUSG0	47.46609	-0.44054	0.337993	-1.30339	0.192442	0.6679	ENSMUSG0 Gm47962
ENSMUSG0	707.3386	0.2968	0.227723	1.303335	0.19246	0.6679	ENSMUSG0 Sema6d
ENSMUSG0	737.4685	-0.43514	0.333963	-1.30295	0.192591	0.668142	ENSMUSG0 Wdr75
ENSMUSG0	2156.503	0.147592	0.113277	1.302927	0.1926	0.668142	ENSMUSG0 Actr1a
ENSMUSG0	104.385	0.536644	0.411977	1.302608	0.192709	0.668355	ENSMUSG0 Gimap9
ENSMUSG0	9.718247	-1.07995	0.829138	-1.3025	0.192745	0.668355	ENSMUSG0 Gm10110
ENSMUSG0	1923.829	-0.31849	0.244563	-1.30228	0.192822	0.668355	ENSMUSG0 Bambi
ENSMUSG0	22265.32	-0.226	0.173549	-1.30222	0.19284	0.668355	ENSMUSG0 Acly
ENSMUSG0	3.302171	1.473981	1.131918	1.302198	0.192849	0.668355	ENSMUSG0 Slc6a13
ENSMUSG0	680.6895	-0.40902	0.314126	-1.30209	0.192885	0.668355	ENSMUSG0 Tkfc
ENSMUSG0	1110.551	-0.42247	0.324499	-1.3019	0.19295	0.668355	ENSMUSG0 Pigp
ENSMUSG0	1110.293	-0.30822	0.23675	-1.30186	0.192964	0.668355	ENSMUSG0 Erh
ENSMUSG0	28.7842	-0.60139	0.461954	-1.30183	0.192974	0.668355	ENSMUSG04930412M
ENSMUSG0	1907.682	-0.27521	0.211416	-1.30173	0.193009	0.668358	ENSMUSG0 Ndufb10
ENSMUSG0	5928.622	-0.24803	0.19058	-1.30145	0.193104	0.668378	ENSMUSG0 Larp1
ENSMUSG0	423.4249	0.4202	0.322917	1.301266	0.193168	0.668378	ENSMUSG0 Rps6ka1
ENSMUSG0	1211.537	0.181016	0.139109	1.301252	0.193172	0.668378	ENSMUSG0 Rela
ENSMUSG0	3978.464	-0.21386	0.164374	-1.30108	0.193232	0.668378	ENSMUSG0 Preb
ENSMUSG0	115.7705	-0.31359	0.241027	-1.30107	0.193233	0.668378	ENSMUSG0 Gm50431
ENSMUSG0	3.809389	-1.14005	0.876272	-1.30103	0.193249	0.668378	ENSMUSG0 Gm37748
ENSMUSG0	6758.375	-0.27096	0.208274	-1.301	0.193258	0.668378	ENSMUSG0 Lman1
ENSMUSG0	139.569	0.427306	0.328548	1.300592	0.193398	0.668669	ENSMUSG0 Prr5
ENSMUSG0	48.8578	-0.43447	0.334085	-1.30047	0.193441	0.668669	ENSMUSG03010003L2
ENSMUSG0	3064.248	-0.29299	0.225304	-1.30043	0.193454	0.668669	ENSMUSG0 Eif2s2
ENSMUSG0	6.333073	-0.83359	0.641073	-1.3003	0.193499	0.668669	ENSMUSG0 Gm43371
ENSMUSG0	5.011241	-1.09464	0.841884	-1.30023	0.193523	0.668669	ENSMUSG0 Gm807
ENSMUSG0	11.93902	0.965519	0.742693	1.300025	0.193592	0.668669	ENSMUSG0 Ackr4
ENSMUSG0	7.544239	-1.01087	0.777652	-1.2999	0.193635	0.668669	ENSMUSG0 Gm13785
ENSMUSG0	2032.763	0.201912	0.155333	1.299866	0.193647	0.668669	ENSMUSG0 Abhd8
ENSMUSG0	1372.039	-0.14922	0.11481	-1.29968	0.19371	0.668669	ENSMUSG0 Elavl1
ENSMUSG0	64.19193	0.367051	0.28242	1.29966	0.193718	0.668669	ENSMUSG0 Oas1b
ENSMUSG0	51.94521	0.57094	0.439363	1.299474	0.193781	0.668669	ENSMUSG0 Fignl1
ENSMUSG0	89.27555	0.73732	0.567406	1.299457	0.193787	0.668669	ENSMUSG0 Cd247

ENSMUSG0	570.6694	0.282977	0.217769	1.299436	0.193794	0.668669	ENSMUSG0 Lrrc8a
ENSMUSG0	3144.201	-0.32439	0.249693	-1.29917	0.193887	0.668768	ENSMUSG0 Selenos
ENSMUSG0	734.9248	0.204169	0.157156	1.299149	0.193893	0.668768	ENSMUSG0 Sbk1
ENSMUSG0	12.7619	0.654698	0.504401	1.297972	0.194297	0.670023	ENSMUSG0 Aadat
ENSMUSG0	63.13204	0.991735	0.764122	1.297875	0.19433	0.670023	ENSMUSG0 Igkv1-135
ENSMUSG0	67.66401	-0.69712	0.537159	-1.29779	0.194361	0.670023	ENSMUSG0 Slc27a2
ENSMUSG0	712.7838	-0.37189	0.286623	-1.29748	0.194465	0.670261	ENSMUSG0 Nfatc2
ENSMUSG0	8.369096	0.950772	0.733107	1.296907	0.194663	0.670753	ENSMUSG0 Arhgap27o
ENSMUSG0	5.374968	-1.32087	1.018506	-1.29687	0.194677	0.670753	ENSMUSG0 Gm48314
ENSMUSG0	846.738	0.239476	0.184693	1.296613	0.194764	0.670932	ENSMUSG0 Znrf1
ENSMUSG0	32.29999	0.532069	0.410404	1.29645	0.19482	0.670971	ENSMUSG0 Bmp2
ENSMUSG0	1262.941	-0.39376	0.303742	-1.29638	0.194845	0.670971	ENSMUSG0 Slc25a25
ENSMUSG0	130.5588	-0.64282	0.495925	-1.2962	0.194906	0.67106	ENSMUSG0 Bmp7
ENSMUSG0	46.80485	-0.55566	0.428719	-1.29609	0.194944	0.671069	ENSMUSG0 Med9os
ENSMUSG0	5.882104	1.095961	0.845659	1.295985	0.194981	0.671077	ENSMUSG0 Raver2
ENSMUSG0	16.6733	0.902267	0.696386	1.295643	0.195099	0.671362	ENSMUSG0 Gpr63
ENSMUSG0	1235.032	-0.34259	0.264457	-1.29543	0.195173	0.671498	ENSMUSG0 Ubb-ps
ENSMUSG0	335.5052	-0.26561	0.205094	-1.29504	0.195305	0.671832	ENSMUSG0 Cryz
ENSMUSG0	460.5354	-0.3499	0.270218	-1.29489	0.195357	0.671892	ENSMUSG0 Ugt1a6a
ENSMUSG0	942.1747	-0.17219	0.133007	-1.29462	0.19545	0.672092	ENSMUSG0 Armc1
ENSMUSG0	9.317891	1.280396	0.989459	1.294037	0.195653	0.672668	ENSMUSG0 Bnc2
ENSMUSG0	3854.233	-0.19882	0.15371	-1.29348	0.195843	0.673092	ENSMUSG0 Srp72
ENSMUSG0	124.2923	0.590572	0.456591	1.293437	0.19586	0.673092	ENSMUSG0 Ddr2
ENSMUSG0	276.198	0.443595	0.342975	1.293376	0.195881	0.673092	ENSMUSG0 Pcdhgb6
ENSMUSG0	100.926	1.242615	0.961421	1.292478	0.196192	0.674039	ENSMUSG0 Gal3st2
ENSMUSG0	131.8254	-0.24441	0.189135	-1.29225	0.196271	0.674049	ENSMUSG0 Trmo
ENSMUSG0	636.2949	0.462826	0.358183	1.292151	0.196305	0.674049	ENSMUSG0 Ttyh1
ENSMUSG0	107.0211	0.391412	0.302948	1.292011	0.196353	0.674049	ENSMUSG0 Btbd11
ENSMUSG0	161.672	-0.42524	0.329152	-1.29192	0.196384	0.674049	ENSMUSG0 A430018G1
ENSMUSG0	935.4047	0.194872	0.150844	1.291878	0.196399	0.674049	ENSMUSG0 Fam177a
ENSMUSG0	253.0212	0.502823	0.389223	1.291862	0.196405	0.674049	ENSMUSG0 Smagp
ENSMUSG0	1732.15	-0.17431	0.134996	-1.29125	0.196615	0.674439	ENSMUSG0 Creb3
ENSMUSG0	58.82266	0.597298	0.46264	1.291064	0.196681	0.674439	ENSMUSG0 Wdr17
ENSMUSG0	15.16649	0.802865	0.621869	1.291052	0.196686	0.674439	ENSMUSG0 Esr1
ENSMUSG0	4.850422	1.068346	0.827701	1.290739	0.196794	0.674439	ENSMUSG0 Gm30698
ENSMUSG0	443.3437	0.715838	0.554601	1.290727	0.196798	0.674439	ENSMUSG0 Cytip
ENSMUSG0	17.24145	-1.06975	0.828821	-1.29069	0.19681	0.674439	ENSMUSG0 Gm42446
ENSMUSG0	2054.159	-0.15536	0.120377	-1.29065	0.196824	0.674439	ENSMUSG0 Paip2b
ENSMUSG0	845.3799	-0.20389	0.157978	-1.29065	0.196824	0.674439	ENSMUSG0 Pbx3
ENSMUSG0	72.06203	0.366064	0.283634	1.290624	0.196834	0.674439	ENSMUSG0 Neu3
ENSMUSG0	12.69677	-0.75061	0.58166	-1.29045	0.196893	0.674483	ENSMUSG0 Gm26736
ENSMUSG0	1411.509	-0.27613	0.213987	-1.29038	0.196917	0.674483	ENSMUSG0 Ragd
ENSMUSG0	944.9076	-0.19721	0.152875	-1.29002	0.197045	0.674801	ENSMUSG0 Rufy1
ENSMUSG0	41.88499	0.404665	0.313734	1.289837	0.197107	0.674894	ENSMUSG0 Nmb
ENSMUSG0	18.86123	0.903849	0.700864	1.289622	0.197182	0.67498	ENSMUSG0 Foxa1
ENSMUSG0	1301.354	0.274676	0.212999	1.289563	0.197202	0.67498	ENSMUSG0 Traf3
ENSMUSG0	2171.836	-0.25506	0.197823	-1.28933	0.197284	0.675023	ENSMUSG0 Atp6v1f
ENSMUSG0	136.4977	-0.38816	0.301058	-1.28931	0.19729	0.675023	ENSMUSG0 Ldlrad4
ENSMUSG0	5406.505	-0.32461	0.251788	-1.2892	0.197327	0.675023	ENSMUSG0 Atp6v1e1
ENSMUSG0	475.2156	0.352305	0.27329	1.289122	0.197356	0.675023	ENSMUSG0 Spns2
ENSMUSG0	1705.493	-0.30699	0.238168	-1.28895	0.197416	0.67508	ENSMUSG0 Rgs16
ENSMUSG0	3.090749	2.843412	2.206381	1.288722	0.197495	0.67508	ENSMUSG0 Myocd

ENSMUSG0	1435.304	-0.24592	0.190828	-1.28868	0.19751	0.67508	ENSMUSG0 Bckdha
ENSMUSG0	243.9515	-0.22286	0.172942	-1.28864	0.197522	0.67508	ENSMUSG09130221H1
ENSMUSG0	6.26982	-0.77853	0.60419	-1.28855	0.197555	0.67508	ENSMUSG0 Gm38248
ENSMUSG0	178.593	0.472793	0.366941	1.288469	0.197583	0.67508	ENSMUSG0 Mapk11
ENSMUSG0	529.4086	0.279919	0.217315	1.28808	0.197718	0.675265	ENSMUSG0 Rnf113a2
ENSMUSG0	773.1525	0.249764	0.193908	1.288055	0.197727	0.675265	ENSMUSG0 Dhx57
ENSMUSG0	2292.877	-0.21953	0.170442	-1.28799	0.19775	0.675265	ENSMUSG0 Mapre2
ENSMUSG0	787.6733	-0.14601	0.113374	-1.28788	0.197787	0.675265	ENSMUSG0 Ss18
ENSMUSG0	1767.919	-0.25681	0.199437	-1.28765	0.197867	0.675265	ENSMUSG0 Pfkfb2
ENSMUSG0	720.9954	0.627209	0.487107	1.287621	0.197878	0.675265	ENSMUSG0 Ppp1r1b
ENSMUSG0	705.6146	0.221349	0.171907	1.287608	0.197883	0.675265	ENSMUSG0 Hspa2
ENSMUSG0	3.768974	-1.40553	1.091678	-1.28749	0.197922	0.675281	ENSMUSG0 Gm43558
ENSMUSG0	444.4488	0.613734	0.476747	1.287335	0.197978	0.67535	ENSMUSG0 Rel
ENSMUSG0	19.48889	0.850643	0.660919	1.287061	0.198073	0.675467	ENSMUSG0 Lrriq1
ENSMUSG0	40.09696	0.425267	0.330424	1.287035	0.198082	0.675467	ENSMUSG0 Anxa9
ENSMUSG0	2332.478	-0.23969	0.186258	-1.28687	0.198138	0.675507	ENSMUSG0 Dicer1
ENSMUSG0	11.73557	0.632616	0.491676	1.286653	0.198215	0.675507	ENSMUSG0 Gm13528
ENSMUSG0	63.52024	0.649268	0.504621	1.286645	0.198218	0.675507	ENSMUSG0 Gm50388
ENSMUSG0	320.0793	0.207199	0.161044	1.286598	0.198235	0.675507	ENSMUSG0 Fn3krp
ENSMUSG0	5.843858	1.291031	1.003781	1.286168	0.198385	0.675732	ENSMUSG01700028K0
ENSMUSG0	1195.671	-0.14453	0.112376	-1.28613	0.198397	0.675732	ENSMUSG0 Cog4
ENSMUSG0	9.847194	-1.10394	0.858462	-1.28595	0.19846	0.675732	ENSMUSG0 Gm43200
ENSMUSG0	118.2816	-0.45038	0.350245	-1.28591	0.198476	0.675732	ENSMUSG0 Spata5l1
ENSMUSG0	5.965858	-1.12561	0.87543	-1.28579	0.198518	0.675732	ENSMUSG0 H2al1m
ENSMUSG0	175.035	0.407956	0.317293	1.285739	0.198534	0.675732	ENSMUSG0 Chsy1
ENSMUSG0	1738.331	-0.21552	0.167635	-1.28566	0.198561	0.675732	ENSMUSG0 Agfg1
ENSMUSG0	133.0129	-0.27301	0.212358	-1.2856	0.198582	0.675732	ENSMUSG0 Zranb3
ENSMUSG0	12.78437	-0.84016	0.653866	-1.28492	0.198822	0.67643	ENSMUSG0 C6
ENSMUSG0	1319.386	0.333115	0.259401	1.28417	0.199082	0.677197	ENSMUSG0 Mknk2
ENSMUSG0	402.6465	0.39708	0.309293	1.283833	0.1992	0.677287	ENSMUSG0 Dip2a
ENSMUSG0	455.2322	-0.70113	0.546149	-1.28377	0.199223	0.677287	ENSMUSG0 Rn7sk
ENSMUSG0	128.5452	-0.3514	0.273757	-1.28363	0.199273	0.677287	ENSMUSG0 Aifm3
ENSMUSG0	10.28981	-1.00891	0.785993	-1.28361	0.199279	0.677287	ENSMUSG0 Gm26812
ENSMUSG0	24.04833	-0.63745	0.496616	-1.28359	0.199285	0.677287	ENSMUSG01700026J14
ENSMUSG0	2161.322	-0.45774	0.356685	-1.28331	0.199383	0.677309	ENSMUSG0 Aclsl5
ENSMUSG0	4.458923	-1.22104	0.951475	-1.28331	0.199383	0.677309	ENSMUSG0 Unc5d
ENSMUSG0	90.48513	-0.59389	0.462797	-1.28327	0.199397	0.677309	ENSMUSG0 Gm17132
ENSMUSG0	15492.07	0.187334	0.146012	1.283006	0.19949	0.677415	ENSMUSG0 Prkar1a
ENSMUSG0	983.9362	-0.15808	0.123218	-1.2829	0.199526	0.677415	ENSMUSG0 Actr8
ENSMUSG0	3.770304	1.306847	1.018705	1.282852	0.199544	0.677415	ENSMUSG0 Gm43923
ENSMUSG0	14.64575	0.564568	0.440187	1.282562	0.199646	0.677415	ENSMUSG0 Fndc11
ENSMUSG0	760.5707	-0.32336	0.252124	-1.28255	0.19965	0.677415	ENSMUSG0 Scarb1
ENSMUSG0	43.84931	0.768304	0.599047	1.282545	0.199652	0.677415	ENSMUSG0 Zbtb16
ENSMUSG0	637.2325	-0.19955	0.155615	-1.28234	0.199723	0.677415	ENSMUSG0 Meaf6
ENSMUSG0	3.355305	1.516701	1.182804	1.282293	0.19974	0.677415	ENSMUSG0 Mir155hg
ENSMUSG0	3617.453	-0.35292	0.275255	-1.28217	0.199783	0.677415	ENSMUSG0 Myo6
ENSMUSG0	23.84589	0.836035	0.652052	1.28216	0.199786	0.677415	ENSMUSG0 Clca3a1
ENSMUSG0	20.2794	1.034939	0.807261	1.282038	0.199829	0.677415	ENSMUSG0 Mmp19
ENSMUSG0	5663.456	-0.25385	0.198014	-1.28198	0.199851	0.677415	ENSMUSG0 Tspan13
ENSMUSG0	29.12176	1.089577	0.850303	1.281399	0.200054	0.677983	ENSMUSG0 Ryr2
ENSMUSG0	6.754109	1.014148	0.79159	1.281152	0.20014	0.67807	ENSMUSG08030423F2
ENSMUSG0	1829.485	-0.21395	0.167	-1.28112	0.20015	0.67807	ENSMUSG0 Tfg

ENSMUSG0	876.0197	-0.19125	0.149302	-1.28099	0.200197	0.678109	ENSMUSG0	Banf1
ENSMUSG0	308.5801	0.421497	0.329138	1.280612	0.20033	0.678442	ENSMUSG0	Rhbf1
ENSMUSG0	12.08072	-1.0938	0.854253	-1.28042	0.200398	0.678533	ENSMUSG0	Cngb1
ENSMUSG0	390.3117	0.613908	0.479522	1.280249	0.200458	0.678533	ENSMUSG0	Rasal3
ENSMUSG0	462.4941	0.288536	0.225388	1.280177	0.200483	0.678533	ENSMUSG0	Tbc1d2b
ENSMUSG0	19.6882	0.730939	0.570987	1.280134	0.200498	0.678533	ENSMUSG0	Gm48427
ENSMUSG0	878.4566	0.179115	0.139938	1.279964	0.200558	0.678615	ENSMUSG0	Pofut1
ENSMUSG0	689.2045	0.199389	0.155874	1.279162	0.20084	0.679451	ENSMUSG0	Llgl1
ENSMUSG0	7.046087	1.104981	0.864016	1.278889	0.200936	0.679536	ENSMUSG0	Car3
ENSMUSG0	821.2303	-0.22067	0.172559	-1.27883	0.200956	0.679536	ENSMUSG0	Taf9b
ENSMUSG0	218.8295	0.237678	0.185862	1.278789	0.200971	0.679536	ENSMUSG0	Klhl20
ENSMUSG0	107.7566	0.586762	0.458976	1.278415	0.201103	0.679863	ENSMUSG0	Srpk3
ENSMUSG0	457.1985	-0.27016	0.211405	-1.27793	0.201275	0.680326	ENSMUSG0	Swsap1
ENSMUSG0	658.5336	0.312725	0.244739	1.27779	0.201323	0.680368	ENSMUSG0	Ankrd50
ENSMUSG0	3.706719	-1.09669	0.85839	-1.27761	0.201385	0.680458	ENSMUSG0	Gm26608
ENSMUSG0	26.98455	0.686592	0.537549	1.277264	0.201509	0.680757	ENSMUSG0	Slc9b2
ENSMUSG0	37.26984	0.605095	0.473795	1.277125	0.201558	0.680803	ENSMUSG0	Gpat3
ENSMUSG0	940.5192	0.285776	0.223893	1.276395	0.201816	0.681504	ENSMUSG0	Cask
ENSMUSG0	5.349469	-0.94714	0.742074	-1.27634	0.201837	0.681504	ENSMUSG0	A330040F1
ENSMUSG0	72.48567	0.546114	0.427965	1.276073	0.20193	0.681699	ENSMUSG0	Cpxm2
ENSMUSG0	9.853125	-0.80942	0.634449	-1.27579	0.202029	0.681915	ENSMUSG0	Gm44997
ENSMUSG0	554.228	-0.201	0.157577	-1.27554	0.202116	0.681972	ENSMUSG0	N4bp2l1
ENSMUSG0	5.280768	1.46097	1.145453	1.275452	0.202149	0.681972	ENSMUSG0	Nanos3
ENSMUSG0	4.462228	-1.09873	0.86147	-1.27541	0.202165	0.681972	ENSMUSG0	Gm15688
ENSMUSG0	81.31545	0.658818	0.516582	1.275343	0.202188	0.681972	ENSMUSG0	Parp3
ENSMUSG0	12.96644	-0.64293	0.50428	-1.27494	0.20233	0.682332	ENSMUSG0	Gm47956
ENSMUSG0	475.3363	-0.25311	0.198574	-1.27462	0.202444	0.682597	ENSMUSG0	Ramp1
ENSMUSG0	531.0079	-0.29643	0.232651	-1.27412	0.202621	0.682954	ENSMUSG0	Sec16b
ENSMUSG0	1342.802	-0.42151	0.330828	-1.2741	0.202627	0.682954	ENSMUSG0	Cox7b
ENSMUSG0	39.62773	0.549014	0.43093	1.27402	0.202656	0.682954	ENSMUSG0	Foxc1
ENSMUSG0	14.93676	-0.54712	0.429519	-1.2738	0.202734	0.683095	ENSMUSG0	Gm15234
ENSMUSG0	3.682685	-1.69162	1.328171	-1.27365	0.202788	0.683157	ENSMUSG0	Mep1a
ENSMUSG0	252.7128	-0.46164	0.362542	-1.27334	0.202896	0.683232	ENSMUSG0	Gm49542
ENSMUSG0	3.577616	-1.37944	1.083429	-1.27322	0.20294	0.683232	ENSMUSG0	Gm29246
ENSMUSG0	51.24015	-0.51036	0.400848	-1.27319	0.20295	0.683232	ENSMUSG0	Scel
ENSMUSG0	98.31666	0.301014	0.236443	1.273089	0.202986	0.683232	ENSMUSG0	Zbed5
ENSMUSG0	14.37749	-1.253	0.984274	-1.27302	0.20301	0.683232	ENSMUSG0	Gm2000
ENSMUSG0	27.04921	0.535481	0.420681	1.27289	0.203057	0.683232	ENSMUSG0	Ddias
ENSMUSG0	1543.421	-0.17131	0.134597	-1.27275	0.203108	0.683232	ENSMUSG0	Tes
ENSMUSG0	2040.119	0.308114	0.242089	1.272734	0.203113	0.683232	ENSMUSG0	Tsc22d3
ENSMUSG0	103.6702	0.306057	0.240496	1.272606	0.203158	0.683232	ENSMUSG0	Agbl4
ENSMUSG0	36.48754	0.544073	0.427542	1.272561	0.203174	0.683232	ENSMUSG0	Xkrx
ENSMUSG0	52.92621	0.418417	0.328818	1.272486	0.203201	0.683232	ENSMUSG0	Calr3
ENSMUSG0	2662.051	-0.20962	0.164766	-1.27221	0.203299	0.683443	ENSMUSG0	Dnm2
ENSMUSG0	47.59147	-0.36248	0.284996	-1.27188	0.203415	0.683603	ENSMUSG0	Zfp133-ps
ENSMUSG0	432.4759	0.688018	0.540948	1.271874	0.203418	0.683603	ENSMUSG0	Cxcl12
ENSMUSG0	2928.907	-0.25297	0.198919	-1.27172	0.203472	0.683641	ENSMUSG0	Irf2bp2
ENSMUSG0	2187.603	-0.35968	0.282848	-1.27163	0.203503	0.683641	ENSMUSG0	Zfp516
ENSMUSG0	26.83701	0.733601	0.576938	1.271542	0.203536	0.683641	ENSMUSG0	Gm3379
ENSMUSG0	64.46232	0.452554	0.355975	1.271307	0.203619	0.683803	ENSMUSG0	Slc26a11
ENSMUSG0	384.7224	-0.51204	0.402842	-1.27106	0.203706	0.683973	ENSMUSG0	Acy1
ENSMUSG0	217.244	-0.28374	0.223247	-1.27095	0.203747	0.683992	ENSMUSG0	Pthrhd1

ENSMUSG0	2907.162	-0.23021	0.181149	-1.27085	0.203783	0.683993	ENSMUSG0 Tvp23b
ENSMUSG0	91.74971	-0.3517	0.276807	-1.27057	0.203882	0.684207	ENSMUSG0 Abcd2
ENSMUSG0	1354.7	0.221465	0.17436	1.270156	0.204029	0.684581	ENSMUSG0 Eno2
ENSMUSG0	1813.324	0.294872	0.232232	1.269731	0.204181	0.684968	ENSMUSG0 Map4k4
ENSMUSG0	86.66659	-0.52134	0.410624	-1.26963	0.204216	0.684968	ENSMUSG03425401B1
ENSMUSG0	40.33928	0.431952	0.340268	1.269448	0.204281	0.685069	ENSMUSG0 Col26a1
ENSMUSG0	442.0194	-0.51335	0.40444	-1.26928	0.204342	0.685152	ENSMUSG0 Celsr2
ENSMUSG0	1923.835	-0.20093	0.158374	-1.26868	0.204555	0.685748	ENSMUSG0 Luc7l
ENSMUSG0	465.7966	-0.24794	0.195452	-1.26856	0.204598	0.685773	ENSMUSG0 Trmt10c
ENSMUSG0	422.1802	0.267852	0.211185	1.268327	0.204681	0.685871	ENSMUSG0 Nfya
ENSMUSG0	517.3165	-0.29671	0.233946	-1.26828	0.204699	0.685871	ENSMUSG02310039H0
ENSMUSG0	12.46916	1.131222	0.892014	1.268166	0.204738	0.685885	ENSMUSG0 Fam47e
ENSMUSG0	1777.182	0.233776	0.184386	1.26786	0.204848	0.685956	ENSMUSG0 Cmtm6
ENSMUSG0	1892.244	-0.31111	0.245401	-1.26778	0.204877	0.685956	ENSMUSG0 Fam135a
ENSMUSG0	57.00739	0.857336	0.676275	1.267734	0.204893	0.685956	ENSMUSG0 Ccdc3
ENSMUSG0	14.94758	-0.78993	0.623115	-1.26771	0.204903	0.685956	ENSMUSG02200002J24
ENSMUSG0	218.2699	0.272192	0.214775	1.267335	0.205036	0.686283	ENSMUSG0 Pimpol
ENSMUSG0	608.2516	-0.20362	0.160693	-1.26711	0.205116	0.686331	ENSMUSG0 Ccdc149
ENSMUSG0	336.3825	-0.2238	0.176628	-1.26709	0.205121	0.686331	ENSMUSG0 Gm4316
ENSMUSG0	77.29455	-0.31954	0.252322	-1.26641	0.205367	0.687031	ENSMUSG0 Zfp791
ENSMUSG0	1291.803	0.198612	0.156886	1.265963	0.205526	0.687446	ENSMUSG0 Hmga1
ENSMUSG0	603.8964	-0.2041	0.161253	-1.26573	0.205609	0.687605	ENSMUSG0 Camkk2
ENSMUSG0	1760.855	-0.23171	0.183107	-1.26541	0.205723	0.687774	ENSMUSG0 Cc2d1b
ENSMUSG0	40.89586	0.597173	0.471973	1.265268	0.205775	0.687774	ENSMUSG04930412C1
ENSMUSG0	31.25982	0.582335	0.460338	1.265016	0.205866	0.687774	ENSMUSG0 Wnt6
ENSMUSG0	1715.485	-0.49185	0.388814	-1.26501	0.205869	0.687774	ENSMUSG0 Uap1l1
ENSMUSG0	147.5197	-0.30768	0.243227	-1.26499	0.205873	0.687774	ENSMUSG0 Rangrf
ENSMUSG0	27.15018	0.597018	0.471954	1.264991	0.205874	0.687774	ENSMUSG0 Fgf2
ENSMUSG0	624.5177	0.250365	0.197935	1.264883	0.205913	0.687784	ENSMUSG0 Tmem104
ENSMUSG0	3978.051	-0.21998	0.173934	-1.26474	0.205964	0.687834	ENSMUSG0 Tmem65
ENSMUSG0	177.9322	-0.40438	0.319783	-1.26456	0.206031	0.687862	ENSMUSG0 Fhit
ENSMUSG0	112.2622	-0.5834	0.461379	-1.26448	0.206057	0.687862	ENSMUSG0 Ano9
ENSMUSG0	14.11333	-0.59157	0.467861	-1.26442	0.20608	0.687862	ENSMUSG0 Gm19522
ENSMUSG0	36.89762	-0.44383	0.35111	-1.26409	0.206198	0.688132	ENSMUSG04930488L2
ENSMUSG0	2081.914	-0.29879	0.236387	-1.26399	0.206232	0.688132	ENSMUSG0 Bnip3
ENSMUSG0	964.3149	-0.21785	0.172366	-1.26389	0.20627	0.68814	ENSMUSG0 Hsf1
ENSMUSG0	477.4926	0.249903	0.197758	1.263682	0.206344	0.688187	ENSMUSG0 Mapkap1
ENSMUSG0	3.782112	1.516123	1.199797	1.263649	0.206356	0.688187	ENSMUSG0 Ighv2-9-1
ENSMUSG0	7.836524	-0.85333	0.675465	-1.26333	0.206472	0.688382	ENSMUSG0 Gm6161
ENSMUSG0	25.39614	-1.14511	0.906449	-1.26329	0.206486	0.688382	ENSMUSG0 Reg3g
ENSMUSG0	2963.368	-0.1805	0.142934	-1.2628	0.206661	0.688845	ENSMUSG0 Pip4k2c
ENSMUSG0	7614.535	-0.17402	0.137831	-1.26258	0.206738	0.688957	ENSMUSG0 Tcf25
ENSMUSG0	123.1302	0.382266	0.302808	1.262402	0.206804	0.688957	ENSMUSG0 Inhbb
ENSMUSG0	604.0116	0.239021	0.189356	1.262284	0.206847	0.688957	ENSMUSG0 Gba2
ENSMUSG0	20.24197	-0.57798	0.457918	-1.2622	0.206878	0.688957	ENSMUSG0 Adora3
ENSMUSG0	1564.558	-0.18796	0.148928	-1.26209	0.206916	0.688957	ENSMUSG0 Sfxn1
ENSMUSG0	9.994026	0.842916	0.667897	1.262045	0.206933	0.688957	ENSMUSG0 Glt8d2
ENSMUSG0	21.29954	0.659514	0.52259	1.26201	0.206945	0.688957	ENSMUSG0 Fcgr1
ENSMUSG0	3165.46	-0.25698	0.203652	-1.26186	0.206998	0.689015	ENSMUSG0 Sec16a
ENSMUSG0	5.122606	-0.87291	0.69187	-1.26167	0.207067	0.689075	ENSMUSG0G530011OC
ENSMUSG0	533.099	-0.27965	0.221659	-1.26161	0.207088	0.689075	ENSMUSG0 Pphln1
ENSMUSG0	610.642	0.176311	0.139774	1.2614	0.207165	0.689211	ENSMUSG0 Obsl1

ENSMUSG0	986.5478	-0.40911	0.32445	-1.26095	0.207328	0.689634	ENSMUSG0 Mrpl36
ENSMUSG0	5.019752	1.453312	1.152702	1.260787	0.207386	0.689708	ENSMUSG0D430018E0
ENSMUSG0	192.0202	-0.26367	0.209279	-1.25988	0.207714	0.690666	ENSMUSG01700008J07
ENSMUSG0	3494.142	-0.30131	0.239216	-1.25959	0.207816	0.690666	ENSMUSG0 Gramd3
ENSMUSG0	1249.162	-0.20652	0.163968	-1.25952	0.207843	0.690666	ENSMUSG0 Tm2d2
ENSMUSG0	695.2575	0.477805	0.379387	1.259415	0.207881	0.690666	ENSMUSG0 Gm49909
ENSMUSG0	102.4633	-0.42274	0.335679	-1.25937	0.207897	0.690666	ENSMUSG0 Espnl
ENSMUSG0	24.52306	0.830145	0.65921	1.259303	0.207921	0.690666	ENSMUSG0 Sit1
ENSMUSG0	344.2939	-0.57604	0.457432	-1.25929	0.207925	0.690666	ENSMUSG0 Amy1
ENSMUSG0	8594.335	0.299014	0.23748	1.259114	0.207989	0.69076	ENSMUSG0 Krt8
ENSMUSG0	11.30172	0.820886	0.652049	1.258933	0.208054	0.690766	ENSMUSG0 Gm3510
ENSMUSG0	74.79011	-0.68048	0.540536	-1.2589	0.208065	0.690766	ENSMUSG0 Rab26
ENSMUSG0	14.77315	0.523241	0.415671	1.258787	0.208107	0.690766	ENSMUSG04930589O1
ENSMUSG0	26.7168	-0.46226	0.367247	-1.25871	0.208135	0.690766	ENSMUSG0 Sgcx
ENSMUSG0	1441.675	-0.20255	0.160943	-1.25851	0.208208	0.690882	ENSMUSG0 Fitm2
ENSMUSG0	3075.365	-0.36327	0.288678	-1.25838	0.208253	0.690882	ENSMUSG0 Abca1
ENSMUSG0	6.009696	-1.38488	1.100582	-1.25832	0.208277	0.690882	ENSMUSG0 Mmp3
ENSMUSG0	415.6153	-0.18805	0.149459	-1.2582	0.208319	0.6909	ENSMUSG0 Nt5c3b
ENSMUSG0	3268.491	-0.26679	0.212061	-1.2581	0.208355	0.6909	ENSMUSG0 Dnaja4
ENSMUSG0	26.49645	0.708366	0.56325	1.257641	0.208521	0.691271	ENSMUSG0 Meox2
ENSMUSG0	4582.288	-0.2915	0.231804	-1.25752	0.208567	0.691271	ENSMUSG0 Ubxn4
ENSMUSG0	13.1763	-0.81889	0.651245	-1.25742	0.208602	0.691271	ENSMUSG0 Ap3s1-ps2
ENSMUSG0	13.1812	0.754667	0.600192	1.257376	0.208617	0.691271	ENSMUSG0 Gucy1a2
ENSMUSG0	49.35706	-0.60303	0.479627	-1.2573	0.208646	0.691271	ENSMUSG0 Neb
ENSMUSG0	14.88567	-0.77591	0.6172	-1.25715	0.208699	0.691328	ENSMUSG0 Speer2
ENSMUSG0	778.4253	-0.16505	0.131306	-1.25702	0.208745	0.691359	ENSMUSG0 Ctnnb1
ENSMUSG0	1015.653	-1.24848	0.993356	-1.25683	0.208817	0.691412	ENSMUSG0 Slc39a5
ENSMUSG0	19.38927	0.474063	0.377204	1.256782	0.208832	0.691412	ENSMUSG0 Pdxd7
ENSMUSG0	1029.502	0.299545	0.238373	1.256622	0.20889	0.691484	ENSMUSG0 Dync1li2
ENSMUSG0	1354.449	-0.31571	0.251302	-1.2563	0.209007	0.691751	ENSMUSG0 Eif2b2
ENSMUSG0	130.501	0.537586	0.427951	1.256186	0.209048	0.69177	ENSMUSG0 Adcy4
ENSMUSG0	230.7531	0.308782	0.245853	1.255962	0.20913	0.691792	ENSMUSG0 Slc8a2
ENSMUSG0	267.1967	0.707377	0.563219	1.255955	0.209132	0.691792	ENSMUSG0 Col5a1
ENSMUSG0	527.8613	-0.41292	0.328824	-1.25576	0.209203	0.691792	ENSMUSG0 Bbip1
ENSMUSG0	1836.861	-0.30771	0.245068	-1.25563	0.209251	0.691792	ENSMUSG0 Usp16
ENSMUSG0	357.8351	0.500954	0.398968	1.255623	0.209253	0.691792	ENSMUSG0 B3gnt2
ENSMUSG0	563.0672	-0.21204	0.168876	-1.25557	0.209271	0.691792	ENSMUSG0 Xpo4
ENSMUSG0	565.6886	-0.19857	0.158175	-1.25537	0.209343	0.69191	ENSMUSG0 Lmf1
ENSMUSG0	39.07887	0.581189	0.463045	1.255146	0.209426	0.691949	ENSMUSG0 Ston1
ENSMUSG0	304.9045	0.26525	0.211332	1.255137	0.209429	0.691949	ENSMUSG0 Cenpj
ENSMUSG0	524.2366	-0.4182	0.333229	-1.255	0.209479	0.691949	ENSMUSG0 Slc4a10
ENSMUSG0	3.71002	-1.09767	0.874728	-1.25488	0.209524	0.691949	ENSMUSG0 Gm42866
ENSMUSG0	221.0399	-0.32925	0.262385	-1.25485	0.209534	0.691949	ENSMUSG0 Tnfrsf23
ENSMUSG0	4655.966	-0.20623	0.164428	-1.25421	0.209766	0.692198	ENSMUSG0 Vwa5b2
ENSMUSG0	15320.22	-0.23212	0.185074	-1.25419	0.209773	0.692198	ENSMUSG0 Hyou1
ENSMUSG0	6.530769	-1.03743	0.827183	-1.25417	0.209779	0.692198	ENSMUSG0 Vmn1r90
ENSMUSG0	998.5369	0.214986	0.171418	1.254164	0.209782	0.692198	ENSMUSG0 Exoc2
ENSMUSG0	13.03933	0.675827	0.538875	1.254144	0.20979	0.692198	ENSMUSG0 Rfx8
ENSMUSG0	3472.081	-0.17861	0.142433	-1.25396	0.209857	0.692302	ENSMUSG0 Nipal3
ENSMUSG0	1891.249	-0.20806	0.165987	-1.25345	0.210042	0.692495	ENSMUSG0 Gpsm1
ENSMUSG0	1957.476	-0.19793	0.157928	-1.25332	0.210088	0.692495	ENSMUSG0 Ssbp3
ENSMUSG0	23.8779	0.775952	0.619131	1.253291	0.2101	0.692495	ENSMUSG0 Anks1b

ENSMUSG0	6.572293	-0.86157	0.687462	-1.25326	0.210111	0.692495	ENSMUSG0 Grid2ip
ENSMUSG0	12.01317	0.888654	0.709095	1.253223	0.210125	0.692495	ENSMUSG0 Hhipl1
ENSMUSG0	28.01513	-0.75608	0.603318	-1.2532	0.210132	0.692495	ENSMUSG0 Tymp
ENSMUSG0	48.49766	-0.30637	0.24451	-1.25298	0.210214	0.692648	ENSMUSG0 Gm36266
ENSMUSG0	104.136	-0.71651	0.572068	-1.25249	0.21039	0.692987	ENSMUSG0 Cachd1
ENSMUSG0	1270.607	-0.23937	0.19114	-1.25231	0.210455	0.692987	ENSMUSG0 Faah
ENSMUSG0	2059.358	-0.25138	0.200731	-1.2523	0.210461	0.692987	ENSMUSG0 Derl2
ENSMUSG0	59.65735	0.451613	0.360627	1.252299	0.210461	0.692987	ENSMUSG0 Sass6
ENSMUSG0	3032.43	-0.10069	0.080412	-1.25218	0.210504	0.69301	ENSMUSG0 Ap2a2
ENSMUSG0	9.548231	-0.77056	0.615434	-1.25206	0.210549	0.693037	ENSMUSG0 Gm45159
ENSMUSG0	10.44565	0.702559	0.561167	1.25196	0.210584	0.693037	ENSMUSG0 Slc12a3
ENSMUSG0	106.2145	0.42251	0.337535	1.251752	0.21066	0.693168	ENSMUSG0 Cenpf
ENSMUSG0	578.7706	0.182467	0.145797	1.251511	0.210748	0.693282	ENSMUSG0 Armc9
ENSMUSG0	93.84077	0.676515	0.540581	1.251459	0.210767	0.693282	ENSMUSG0 Glipr1
ENSMUSG0	66.55217	0.643683	0.514458	1.251186	0.210867	0.693491	ENSMUSG0 Uprt
ENSMUSG0	3590.129	-0.23067	0.184483	-1.25038	0.211159	0.694218	ENSMUSG0 Map2k2
ENSMUSG0	5.668646	1.049753	0.839545	1.250383	0.21116	0.694218	ENSMUSG0 Gm11249
ENSMUSG0	192.0466	-1.94387	1.555056	-1.25003	0.211288	0.694328	ENSMUSG0 Ighg2b
ENSMUSG0	140.0615	0.358619	0.286896	1.249997	0.211301	0.694328	ENSMUSG0 Wdhd1
ENSMUSG0	1173.709	-0.15111	0.120888	-1.24999	0.211302	0.694328	ENSMUSG0 Xpo5
ENSMUSG0	1598.392	0.522006	0.417683	1.249765	0.211385	0.694386	ENSMUSG0 Stmn1
ENSMUSG0	7.321343	1.027339	0.822037	1.249748	0.211391	0.694386	ENSMUSG0 Arl11
ENSMUSG0	202.9297	-0.25565	0.204596	-1.24955	0.211465	0.694487	ENSMUSG0 Trmt61b
ENSMUSG0	419.0291	0.284153	0.227419	1.249467	0.211494	0.694487	ENSMUSG0 Pym1
ENSMUSG0	1453.182	-0.1471	0.117769	-1.24909	0.211632	0.69482	ENSMUSG0 Wdr33
ENSMUSG0	5.774017	0.916437	0.733879	1.248758	0.211754	0.695018	ENSMUSG0 Bdh2
ENSMUSG0	1390.755	-0.24661	0.197492	-1.24873	0.211764	0.695018	ENSMUSG0 Tns2
ENSMUSG0	1097.122	0.297769	0.238522	1.248393	0.211887	0.695037	ENSMUSG0 C8b
ENSMUSG0	72.83971	-0.81084	0.649517	-1.24838	0.211893	0.695037	ENSMUSG0 Cth
ENSMUSG0	9.568716	-0.78273	0.627061	-1.24826	0.211936	0.695037	ENSMUSG0 Gm7909
ENSMUSG0	35.40638	0.851835	0.682429	1.248239	0.211944	0.695037	ENSMUSG0 Batf3
ENSMUSG0	1457.323	-0.29219	0.234086	-1.24822	0.211951	0.695037	ENSMUSG0 Isg20
ENSMUSG0	1574.535	0.242367	0.194214	1.247934	0.212055	0.69526	ENSMUSG0 Mapre1
ENSMUSG0	73.58034	0.493429	0.395454	1.247751	0.212122	0.695322	ENSMUSG0 Nusap1
ENSMUSG0	36.3557	0.671788	0.538427	1.247686	0.212146	0.695322	ENSMUSG0 Wfdc17
ENSMUSG0	30.20045	-0.43634	0.34977	-1.2475	0.212216	0.695387	ENSMUSG0 Map2k3os
ENSMUSG0	2335.41	-0.38188	0.306137	-1.24742	0.212243	0.695387	ENSMUSG0 Peg13
ENSMUSG0	158.5989	0.720397	0.577551	1.24733	0.212276	0.695387	ENSMUSG0 Apbb1ip
ENSMUSG0	833.0567	-0.20919	0.167719	-1.24724	0.212311	0.695387	ENSMUSG0 Stx3
ENSMUSG0	339.7803	0.512894	0.411269	1.2471	0.212361	0.695433	ENSMUSG0 Rcsd1
ENSMUSG0	278.9335	0.277629	0.222706	1.246614	0.212539	0.695691	ENSMUSG0 Gpr85
ENSMUSG0	40.80233	-1.60895	1.290874	-1.24641	0.212615	0.695691	ENSMUSG0 Igkv17-121
ENSMUSG0	3103.791	0.154012	0.123569	1.24637	0.212629	0.695691	ENSMUSG0 Hnrnpa0
ENSMUSG0	1141.259	-0.32142	0.257894	-1.24634	0.21264	0.695691	ENSMUSG0 Dach1
ENSMUSG0	33.92861	-0.62385	0.500578	-1.24625	0.212671	0.695691	ENSMUSG0 Greb1l
ENSMUSG0	195.5647	0.260301	0.208879	1.246181	0.212698	0.695691	ENSMUSG0 Tmem145
ENSMUSG0	38.76107	0.866366	0.695232	1.246153	0.212708	0.695691	ENSMUSG0 Wnt11
ENSMUSG0	692.7821	0.295004	0.236742	1.246096	0.212729	0.695691	ENSMUSG0 Ifngr1
ENSMUSG0	533.7576	0.200626	0.161024	1.245943	0.212785	0.695757	ENSMUSG0 Glce
ENSMUSG0	6.610419	-0.7647	0.613847	-1.24576	0.212854	0.695863	ENSMUSG0 Clec12b
ENSMUSG0	179.4409	0.561156	0.450588	1.245387	0.212989	0.696109	ENSMUSG0 Zeb2
ENSMUSG0	150.7952	0.407354	0.327099	1.245354	0.213002	0.696109	ENSMUSG0 Qpct

ENSMUSG0	8.607826	-0.72466	0.58205	-1.24501	0.213128	0.696375	ENSMUSG0 Gm14264
ENSMUSG0	1459.134	-0.25387	0.203919	-1.24494	0.213155	0.696375	ENSMUSG0 Sugp1
ENSMUSG0	203.6798	0.260111	0.209038	1.244324	0.21338	0.696886	ENSMUSG0 Smco4
ENSMUSG0	3.98355	-1.08621	0.87294	-1.24431	0.213384	0.696886	ENSMUSG0 Gpat2
ENSMUSG0	1978.965	0.216189	0.17377	1.244107	0.21346	0.697016	ENSMUSG0 Rassf3
ENSMUSG0	610.8306	0.332173	0.267032	1.243944	0.21352	0.697093	ENSMUSG0 Hmgb2
ENSMUSG0	842.4976	0.497349	0.399956	1.243509	0.21368	0.697498	ENSMUSG0 Pah
ENSMUSG0	248.094	-0.25277	0.203305	-1.24331	0.213755	0.697557	ENSMUSG0 Tmem35b
ENSMUSG0	4.5938	0.979982	0.788234	1.243262	0.213771	0.697557	ENSMUSG0 Gm16098
ENSMUSG0	27.51852	-0.45465	0.365819	-1.24284	0.213928	0.697694	ENSMUSG0 Gm6277
ENSMUSG0	894.8309	0.183924	0.147992	1.242795	0.213943	0.697694	ENSMUSG0 Ppp2r2a
ENSMUSG0	164.0121	0.3048	0.245256	1.242783	0.213948	0.697694	ENSMUSG0 Ndufa4l2
ENSMUSG0	9116.472	-0.21953	0.176683	-1.24253	0.214041	0.697694	ENSMUSG0 Tsc22d1
ENSMUSG0	435.3888	0.475331	0.382561	1.2425	0.214052	0.697694	ENSMUSG0 Malt1
ENSMUSG0	283.0934	0.712155	0.573166	1.242493	0.214055	0.697694	ENSMUSG0 Il21r
ENSMUSG0	116.9367	0.820375	0.660283	1.24246	0.214067	0.697694	ENSMUSG0 Pstpip1
ENSMUSG0	102.9379	-0.35392	0.284954	-1.24203	0.214224	0.698048	ENSMUSG0Tmem120b
ENSMUSG0	111.2729	-0.34967	0.281547	-1.24197	0.214248	0.698048	ENSMUSG0C920006O1
ENSMUSG0	22.87838	0.701546	0.565025	1.24162	0.214377	0.698323	ENSMUSG0 Pcdhac1
ENSMUSG0	182.9892	0.318254	0.256338	1.241543	0.214405	0.698323	ENSMUSG0 Zfp974
ENSMUSG0	1395.91	0.201614	0.162414	1.241355	0.214475	0.698431	ENSMUSG0 Sdc3
ENSMUSG0	221.7338	0.573586	0.462105	1.241245	0.214515	0.698446	ENSMUSG0 Plekho2
ENSMUSG0	36.53107	0.714271	0.575604	1.240908	0.21464	0.698549	ENSMUSG0 Pnoc
ENSMUSG0	11.98573	0.664403	0.535444	1.240845	0.214663	0.698549	ENSMUSG0 Gm43138
ENSMUSG0	438.507	-0.16024	0.129148	-1.24077	0.214691	0.698549	ENSMUSG02810004N2
ENSMUSG0	244.1076	-0.25078	0.20212	-1.24076	0.214696	0.698549	ENSMUSG0 Zfp994
ENSMUSG0	410.7866	-0.2053	0.165479	-1.24067	0.214728	0.698549	ENSMUSG0 Meak7
ENSMUSG0	736.4898	-0.19167	0.154503	-1.24055	0.214773	0.698576	ENSMUSG0 Zfp12
ENSMUSG0	75.72982	0.668792	0.539219	1.240298	0.214865	0.698757	ENSMUSG0 Kif20b
ENSMUSG0	370.6751	-0.27531	0.22202	-1.24002	0.214969	0.698975	ENSMUSG0 Dyrk1b
ENSMUSG0	77.15423	0.526057	0.424303	1.239814	0.215044	0.699002	ENSMUSG0 Fat4
ENSMUSG0	548.3208	-0.23755	0.191606	-1.2398	0.21505	0.699002	ENSMUSG0 Kcnk12
ENSMUSG0	50.65193	0.542367	0.437634	1.239318	0.215228	0.699299	ENSMUSG0 Podn
ENSMUSG0	658.031	-0.18354	0.14812	-1.23915	0.215289	0.699299	ENSMUSG0 Fiz1
ENSMUSG0	906.0505	0.401394	0.323928	1.239145	0.215292	0.699299	ENSMUSG0 Bcl9l
ENSMUSG0	199.1142	0.284143	0.229309	1.239126	0.215299	0.699299	ENSMUSG0 Zfp770
ENSMUSG0	6.563848	-0.84477	0.681787	-1.23905	0.215327	0.699299	ENSMUSG0 Gm6083
ENSMUSG0	967.0611	-0.28289	0.228329	-1.23896	0.215359	0.699299	ENSMUSG0 Zfp950
ENSMUSG0	147.8503	0.402809	0.32526	1.238422	0.21556	0.699393	ENSMUSG0 Ackr3
ENSMUSG0	3065.566	-0.2706	0.218517	-1.23837	0.21558	0.699393	ENSMUSG0 Arfgef1
ENSMUSG0	3.496106	1.443302	1.165607	1.238241	0.215627	0.699393	ENSMUSG0E230025N2
ENSMUSG0	2167.539	-0.35725	0.288521	-1.23821	0.215637	0.699393	ENSMUSG0 Grk3
ENSMUSG0	74.06947	-0.39427	0.318424	-1.2382	0.215643	0.699393	ENSMUSG0 Gm20939
ENSMUSG0	6.449029	-0.81897	0.661499	-1.23805	0.215699	0.699393	ENSMUSG0 Gm12299
ENSMUSG0	112.1064	-0.39259	0.317126	-1.23797	0.215727	0.699393	ENSMUSG05830454E0
ENSMUSG0	7564.529	-0.14396	0.116289	-1.23791	0.21575	0.699393	ENSMUSG0 Rbm39
ENSMUSG0	12.45949	-0.7437	0.600771	-1.2379	0.215752	0.699393	ENSMUSG0D830030K2
ENSMUSG0	8642.256	-0.24866	0.200943	-1.23748	0.21591	0.699788	ENSMUSG0 Cnbp
ENSMUSG0	506.6726	0.296651	0.239743	1.23737	0.21595	0.699799	ENSMUSG01700037H0
ENSMUSG0	363.6867	-0.24518	0.198183	-1.23712	0.216044	0.69987	ENSMUSG0 Iba57
ENSMUSG0	1433.005	-0.26449	0.213795	-1.23712	0.216044	0.69987	ENSMUSG0 Ube2k
ENSMUSG0	1160.48	-0.22199	0.179456	-1.23699	0.216091	0.699902	ENSMUSG0 Bcl7b

ENSMUSG0	2849.45	0.311644	0.251966	1.236851	0.216142	0.699902	ENSMUSG0 Hip1r
ENSMUSG0	561.0767	-0.33362	0.269747	-1.23679	0.216163	0.699902	ENSMUSG0 Lysmd3
ENSMUSG0	3655.939	-0.20271	0.163931	-1.23656	0.21625	0.700023	ENSMUSG0 Sort1
ENSMUSG0	120.962	0.350961	0.283854	1.236414	0.216305	0.700023	ENSMUSG0 Hsd17b7
ENSMUSG0	323.2359	-0.37284	0.301553	-1.2364	0.21631	0.700023	ENSMUSG0 Gpr142
ENSMUSG0	1013.655	-0.21255	0.171943	-1.23618	0.216392	0.700172	ENSMUSG0 Kctd13
ENSMUSG0	325.2157	1.082179	0.875532	1.236025	0.216449	0.700216	ENSMUSG0 Tpm2
ENSMUSG0	16.41696	-1.10795	0.896441	-1.23595	0.216479	0.700216	ENSMUSG0 Igkv6-32
ENSMUSG0	748.698	-0.3007	0.243333	-1.23574	0.216556	0.700281	ENSMUSG0 Thoc7
ENSMUSG0	106.5935	0.439956	0.356063	1.235612	0.216603	0.700281	ENSMUSG0 Map3k9
ENSMUSG0	189.3891	0.470308	0.380632	1.235598	0.216608	0.700281	ENSMUSG0 Rasa4
ENSMUSG0	22.08583	0.540035	0.437102	1.235491	0.216648	0.700292	ENSMUSG0 Gm32358
ENSMUSG0	3.664296	-1.2403	1.004252	-1.23505	0.216811	0.700477	ENSMUSG0 Gm43684
ENSMUSG0	4.235645	-1.07571	0.870984	-1.23505	0.216812	0.700477	ENSMUSG0 5430434F0.
ENSMUSG0	212.2557	-0.22367	0.181117	-1.23497	0.216841	0.700477	ENSMUSG0 Letm2
ENSMUSG0	5.294615	0.839851	0.680121	1.234854	0.216885	0.700477	ENSMUSG0 Nrg4
ENSMUSG0	5.744258	-0.98377	0.796776	-1.23468	0.216948	0.700477	ENSMUSG0 Gm15473
ENSMUSG0	511.2901	0.321885	0.260708	1.234657	0.216958	0.700477	ENSMUSG0 Lrp8
ENSMUSG0	184.841	0.62943	0.509804	1.234652	0.21696	0.700477	ENSMUSG0 Parvg
ENSMUSG0	2151.922	0.256888	0.208099	1.234452	0.217035	0.700537	ENSMUSG0 Tubb2a
ENSMUSG0	46.635	0.445213	0.36067	1.234407	0.217051	0.700537	ENSMUSG0 Kcnd3
ENSMUSG0	7.31979	1.128534	0.914399	1.234181	0.217135	0.700691	ENSMUSG0 Ighv1-81
ENSMUSG0	274.4061	-0.18692	0.151495	-1.23386	0.217255	0.700819	ENSMUSG0 Mpped2
ENSMUSG0	15.59331	-1.11098	0.90043	-1.23383	0.217267	0.700819	ENSMUSG0 Slc6a4
ENSMUSG0	449.5072	-0.27355	0.221716	-1.23378	0.217284	0.700819	ENSMUSG0 Slc15a4
ENSMUSG0	632.4636	-0.95514	0.774444	-1.23332	0.217456	0.701062	ENSMUSG0 Chst2
ENSMUSG0	785.7704	-0.19618	0.159073	-1.23326	0.217478	0.701062	ENSMUSG0 Plpp6
ENSMUSG0	3227.249	-0.13799	0.111904	-1.23312	0.217532	0.701062	ENSMUSG0 Ssrp1
ENSMUSG0	4.096031	1.45776	1.182226	1.233064	0.217552	0.701062	ENSMUSG0 Mlc1
ENSMUSG0	786.8356	0.171531	0.13912	1.232972	0.217586	0.701062	ENSMUSG0 Crebl2
ENSMUSG0	469.5504	0.276454	0.224245	1.232819	0.217643	0.701062	ENSMUSG0 Ranbp6
ENSMUSG0	3.959591	-1.10922	0.899802	-1.23274	0.217674	0.701062	ENSMUSG0 Gm50403
ENSMUSG0	998.6909	-0.27964	0.226894	-1.23246	0.217776	0.701062	ENSMUSG0 Aldh6a1
ENSMUSG0	178.1559	0.274231	0.222512	1.232431	0.217788	0.701062	ENSMUSG0 Tmie
ENSMUSG0	7.028768	-0.77287	0.627114	-1.23243	0.217789	0.701062	ENSMUSG0 Gm44623
ENSMUSG0	309.1239	-0.3232	0.262263	-1.23237	0.217813	0.701062	ENSMUSG0 Triqk
ENSMUSG0	772.5744	-0.22133	0.179594	-1.23236	0.217814	0.701062	ENSMUSG0 5031425E2
ENSMUSG0	72.97533	-0.36309	0.294657	-1.23225	0.217855	0.701062	ENSMUSG0 Gm10433
ENSMUSG0	49.08844	-0.60179	0.488408	-1.23214	0.217896	0.701062	ENSMUSG0 B830012L1.
ENSMUSG0	914.3379	0.441705	0.3585	1.232092	0.217915	0.701062	ENSMUSG0 Gpx2
ENSMUSG0	451.9709	-0.1712	0.13896	-1.23202	0.217943	0.701062	ENSMUSG0 Kctd11
ENSMUSG0	4795.232	-0.30721	0.249423	-1.2317	0.218061	0.701324	ENSMUSG0 Rpl24
ENSMUSG0	85.75199	0.416753	0.338395	1.231558	0.218114	0.701378	ENSMUSG0 Arhgap19
ENSMUSG0	219.2541	-0.19536	0.158655	-1.23132	0.218203	0.701488	ENSMUSG0 Sars2
ENSMUSG0	5.283092	-1.08488	0.88112	-1.23125	0.218228	0.701488	ENSMUSG0 Gm43747
ENSMUSG0	7.886855	0.87392	0.709827	1.231174	0.218258	0.701488	ENSMUSG0 Gm5242
ENSMUSG0	132.1896	-0.33079	0.268707	-1.23106	0.218302	0.701514	ENSMUSG0 Proser3
ENSMUSG0	290.7971	-0.20882	0.16964	-1.23094	0.218346	0.701536	ENSMUSG0 Rnft1
ENSMUSG0	2661.871	0.151929	0.123445	1.230748	0.218417	0.701649	ENSMUSG0 Cttn
ENSMUSG0	172.2745	0.491647	0.399592	1.230373	0.218557	0.701859	ENSMUSG0 Itgax
ENSMUSG0	369.6244	-0.17415	0.141544	-1.23035	0.218567	0.701859	ENSMUSG0 Mrps11
ENSMUSG0	6.026078	-0.92139	0.748928	-1.23028	0.218592	0.701859	ENSMUSG0 Gm41231

ENSMUSG0	635.0239	-0.17316	0.14077	-1.23006	0.218674	0.701964	ENSMUSG0 Dop1a
ENSMUSG0	41.40524	0.61925	0.503485	1.229927	0.218724	0.701964	ENSMUSG0 Chst1
ENSMUSG0	68.55291	-0.46812	0.380616	-1.2299	0.218734	0.701964	ENSMUSG0 Fbxo27
ENSMUSG0	5.251792	-1.51525	1.232116	-1.2298	0.218773	0.70197	ENSMUSG0 Strc
ENSMUSG0	6772.318	-0.16962	0.137936	-1.22969	0.218815	0.701989	ENSMUSG0 Anapc5
ENSMUSG0	1129.867	0.178665	0.145323	1.229433	0.218909	0.702055	ENSMUSG0 Bhlhb9
ENSMUSG0	15.3601	0.509786	0.414756	1.229123	0.219026	0.702055	ENSMUSG0 Gm35558
ENSMUSG0	23.96831	-0.69515	0.565604	-1.22904	0.219056	0.702055	ENSMUSG0 Gm47558
ENSMUSG0	284.1245	0.207487	0.16884	1.228897	0.21911	0.702055	ENSMUSG0 Tgfa
ENSMUSG0	884.8792	-0.30869	0.251198	-1.22887	0.219121	0.702055	ENSMUSG0 Cdk2ap2
ENSMUSG0	438.0233	-0.14895	0.121209	-1.22884	0.219133	0.702055	ENSMUSG0 Tagap1
ENSMUSG0	321.7386	-0.20998	0.170886	-1.2288	0.219147	0.702055	ENSMUSG0 Rabl3
ENSMUSG0	744.4498	-0.23116	0.18812	-1.2288	0.219148	0.702055	ENSMUSG0 Ythdf2
ENSMUSG0	109.4332	0.515565	0.419588	1.22874	0.219169	0.702055	ENSMUSG0 Antxr1
ENSMUSG0	659.8394	-0.20175	0.164203	-1.22866	0.2192	0.702055	ENSMUSG0 Cnot9
ENSMUSG0	422.6066	-0.20869	0.169878	-1.22847	0.219272	0.702167	ENSMUSG0 Pus10
ENSMUSG0	1177.828	0.329641	0.268361	1.22835	0.219316	0.702189	ENSMUSG0 Tspo
ENSMUSG0	4.13463	-0.93087	0.75789	-1.22823	0.219359	0.702212	ENSMUSG0 Gm37475
ENSMUSG0	579.6813	0.296686	0.241625	1.227882	0.219491	0.702368	ENSMUSG0 Tln2
ENSMUSG0	747.108	0.300239	0.244519	1.227876	0.219494	0.702368	ENSMUSG0 Plk2
ENSMUSG0	751.003	0.16762	0.136519	1.22781	0.219518	0.702368	ENSMUSG0 Fuz
ENSMUSG0	447.2507	-0.21314	0.173614	-1.22767	0.219572	0.702368	ENSMUSG0 Natd1
ENSMUSG0	75.94511	-0.41334	0.336703	-1.22762	0.21959	0.702368	ENSMUSG0 Gp5
ENSMUSG0	810.7309	-0.25163	0.205061	-1.22708	0.219791	0.702826	ENSMUSG0 Zfp651
ENSMUSG0	1138.006	-0.23338	0.190199	-1.22704	0.219807	0.702826	ENSMUSG0 Rsb1l1
ENSMUSG0	4616.787	-0.26028	0.212148	-1.2269	0.219862	0.702886	ENSMUSG0 Mdh2
ENSMUSG0	764.9201	0.205362	0.16741	1.2267	0.219935	0.703004	ENSMUSG0 Dgcr8
ENSMUSG0	3.110118	1.312891	1.070437	1.2265	0.22001	0.703127	ENSMUSG0 1500032F1.
ENSMUSG0	29.22075	0.783647	0.639036	1.226297	0.220087	0.703255	ENSMUSG0 Rad54b
ENSMUSG0	228.0763	-0.4512	0.368068	-1.22587	0.220249	0.703576	ENSMUSG0 Gm12184
ENSMUSG0	16.77626	-0.74884	0.610927	-1.22575	0.220293	0.703576	ENSMUSG0 Shisa6
ENSMUSG0	4.908583	-0.87819	0.716478	-1.2257	0.220311	0.703576	ENSMUSG0 Gm2974
ENSMUSG0	967.1389	-0.33884	0.276463	-1.22564	0.220334	0.703576	ENSMUSG0 Jag2
ENSMUSG0	642.3956	-0.24386	0.199038	-1.22521	0.220496	0.703857	ENSMUSG0 Spindoc
ENSMUSG0	5.634743	1.319674	1.077204	1.225092	0.220541	0.703857	ENSMUSG0 Akr1d1
ENSMUSG0	6.454911	0.827057	0.675117	1.225058	0.220554	0.703857	ENSMUSG0 Hipk4
ENSMUSG0	151.3325	-0.31659	0.258442	-1.22501	0.220572	0.703857	ENSMUSG0 Psmg4
ENSMUSG0	1468.937	-0.24394	0.19915	-1.22492	0.220605	0.703857	ENSMUSG0 Sgsm3
ENSMUSG0	736.2189	-0.3701	0.302201	-1.22468	0.220696	0.704032	ENSMUSG0 Dpm1
ENSMUSG0	14.48069	0.80478	0.657318	1.224338	0.220825	0.70425	ENSMUSG0 B430306NC
ENSMUSG0	13.27939	0.688378	0.562261	1.224303	0.220838	0.70425	ENSMUSG0 Ugt2b36
ENSMUSG0	7.329174	-1.55695	1.271875	-1.22414	0.220901	0.704279	ENSMUSG0 Sfrp4
ENSMUSG0	1676.571	-0.17693	0.14454	-1.22409	0.22092	0.704279	ENSMUSG0 Retreg3
ENSMUSG0	264.6915	0.237908	0.194417	1.223704	0.221064	0.70462	ENSMUSG0 Etaa1
ENSMUSG0	52.97803	0.47874	0.391316	1.223411	0.221174	0.704822	ENSMUSG0 Scin
ENSMUSG0	6.537666	-1.04122	0.851236	-1.22318	0.221261	0.704822	ENSMUSG0 Gm26901
ENSMUSG0	547.0719	-0.1974	0.161387	-1.22317	0.221264	0.704822	ENSMUSG0 Shkbp1
ENSMUSG0	218.424	-0.32252	0.263678	-1.22315	0.221274	0.704822	ENSMUSG0 2310015A1
ENSMUSG0	1230.708	-0.20169	0.164918	-1.22298	0.221337	0.704906	ENSMUSG0 Rtl6
ENSMUSG0	898.6284	-0.25924	0.211998	-1.22285	0.221387	0.704948	ENSMUSG0 C1qbp
ENSMUSG0	99.88073	0.36436	0.29799	1.222725	0.221434	0.704982	ENSMUSG0 Kcna5
ENSMUSG0	391.462	0.2652	0.216924	1.222546	0.221501	0.70508	ENSMUSG0 Ppm1f

ENSMUSG0	14.63052	-0.60965	0.49885	-1.22212	0.221662	0.705365	ENSMUSG0 Gdf9
ENSMUSG0	782.8525	0.389011	0.318314	1.222101	0.221669	0.705365	ENSMUSG0 Tap1
ENSMUSG0	57.41165	0.40093	0.328094	1.221996	0.221709	0.705365	ENSMUSG0 Nradd
ENSMUSG0	289.6498	-0.25671	0.210094	-1.22187	0.221756	0.705365	ENSMUSG0 Sft2d3
ENSMUSG0	2.970612	-1.02184	0.836327	-1.22182	0.221774	0.705365	ENSMUSG0 Gm17096
ENSMUSG0	180.9501	0.702292	0.574941	1.221502	0.221896	0.705562	ENSMUSG0 Cmah
ENSMUSG0	15.87242	0.604875	0.495226	1.221414	0.221929	0.705562	ENSMUSG0 Asb5
ENSMUSG0	946.4513	-0.21416	0.175355	-1.2213	0.221972	0.705562	ENSMUSG0 Tmem14c
ENSMUSG0	17.29519	-0.52582	0.430594	-1.22116	0.222027	0.705562	ENSMUSG01300014J1f
ENSMUSG0	6216.601	-0.23543	0.192794	-1.22114	0.222034	0.705562	ENSMUSG0 Prrc2a
ENSMUSG0	4958.278	-0.21264	0.174142	-1.22108	0.222056	0.705562	ENSMUSG0 Fkbp1a
ENSMUSG0	927.8233	-0.20471	0.167675	-1.22088	0.222132	0.705656	ENSMUSG0 Zxdb
ENSMUSG0	925.3096	-0.172	0.140905	-1.22068	0.222206	0.705656	ENSMUSG0 Ubr7
ENSMUSG0	2227.908	-0.21822	0.178781	-1.22057	0.222248	0.705656	ENSMUSG0 Tcta
ENSMUSG0	579.4117	0.971224	0.795757	1.220503	0.222274	0.705656	ENSMUSG0 Ccr7
ENSMUSG0	12.6213	0.550581	0.451199	1.220263	0.222365	0.705656	ENSMUSG0 Gm31166
ENSMUSG0	5.408181	-0.83598	0.685111	-1.22021	0.222385	0.705656	ENSMUSG0 Gm20535
ENSMUSG0	30.87951	0.778463	0.638008	1.220146	0.22241	0.705656	ENSMUSG0 Cers1
ENSMUSG0	110.4057	0.356252	0.292021	1.219953	0.222483	0.705656	ENSMUSG0 Cenps
ENSMUSG0	113.9083	0.598333	0.490539	1.219747	0.222561	0.705656	ENSMUSG0 Krt23
ENSMUSG0	1046.733	-0.30237	0.247918	-1.21966	0.222595	0.705656	ENSMUSG0 Katna1
ENSMUSG0	7.637527	-0.8242	0.675881	-1.21944	0.222676	0.705656	ENSMUSG0 Gm44837
ENSMUSG0	711.5812	0.276177	0.226483	1.219416	0.222686	0.705656	ENSMUSG0 Plppr4
ENSMUSG0	27.051	-0.65159	0.534385	-1.21932	0.222723	0.705656	ENSMUSG0 Ccdc73
ENSMUSG0	106.1133	0.772544	0.633589	1.219313	0.222725	0.705656	ENSMUSG0 Il27ra
ENSMUSG0	74.52156	0.585009	0.479844	1.219164	0.222782	0.705656	ENSMUSG0 Mmp23
ENSMUSG0	22.17371	-0.82002	0.672699	-1.21901	0.222842	0.705656	ENSMUSG0 Ifi214
ENSMUSG0	491.9179	0.154136	0.126449	1.218959	0.22286	0.705656	ENSMUSG0 Prdm4
ENSMUSG0	545.2185	0.470529	0.386028	1.218899	0.222882	0.705656	ENSMUSG0 Dock8
ENSMUSG0	4634.077	-0.35039	0.287474	-1.21887	0.222893	0.705656	ENSMUSG0 Ostc
ENSMUSG0	3.366212	1.154666	0.94737	1.218812	0.222915	0.705656	ENSMUSG0 Gm20635
ENSMUSG0	1949.693	-0.29856	0.244971	-1.21878	0.222929	0.705656	ENSMUSG0 Pithd1
ENSMUSG0	9.336462	-0.69274	0.568393	-1.21878	0.222929	0.705656	ENSMUSG0 Gm17893
ENSMUSG0	401.8634	-0.21651	0.177688	-1.21847	0.223045	0.705907	ENSMUSG0 Rps6kb2
ENSMUSG0	898.9496	0.496292	0.407385	1.218237	0.223134	0.706071	ENSMUSG0 Ets1
ENSMUSG0	1760.823	0.206295	0.169376	1.217967	0.223237	0.706257	ENSMUSG0 Hexim1
ENSMUSG0	170.8549	-0.39919	0.327778	-1.21787	0.223274	0.706257	ENSMUSG0C630043F0
ENSMUSG0	86.44845	0.368249	0.302391	1.217792	0.223303	0.706257	ENSMUSG0 Frat1
ENSMUSG0	804.7087	-0.16592	0.136281	-1.21751	0.22341	0.70648	ENSMUSG0 Phyhip
ENSMUSG0	13.39181	-0.58202	0.478149	-1.21724	0.223512	0.706687	ENSMUSG0 Gm5176
ENSMUSG0	10.84676	-0.59489	0.488973	-1.21662	0.223749	0.707225	ENSMUSG0 Ccdc13
ENSMUSG0	9.749014	-0.79592	0.654213	-1.2166	0.223756	0.707225	ENSMUSG0 Gm45380
ENSMUSG0	812.2966	-0.1568	0.128916	-1.2163	0.223869	0.707467	ENSMUSG0 Acad11
ENSMUSG0	2093.891	-0.16264	0.133744	-1.21607	0.223957	0.707556	ENSMUSG0 Cog7
ENSMUSG0	602.2383	-0.22607	0.185904	-1.21604	0.223971	0.707556	ENSMUSG0 Med8
ENSMUSG0	98.69213	-0.38739	0.318653	-1.21572	0.224092	0.707821	ENSMUSG0 Gm16740
ENSMUSG0	3.784455	-1.03876	0.854732	-1.2153	0.224251	0.708107	ENSMUSG0 Gm35611
ENSMUSG0	5.059979	-0.94848	0.780485	-1.21524	0.224273	0.708107	ENSMUSG0 Gm42986
ENSMUSG0	1908.883	-0.47662	0.392214	-1.21519	0.224293	0.708107	ENSMUSG0 Phgdh
ENSMUSG0	140.5159	-0.36945	0.304058	-1.21507	0.224341	0.708142	ENSMUSG0 Rpusd3
ENSMUSG0	151.6411	0.498834	0.410607	1.21487	0.224416	0.708263	ENSMUSG0 Def6
ENSMUSG0	4.040995	-0.94503	0.777973	-1.21473	0.22447	0.708317	ENSMUSG0 Gm37045

ENSMUSG0	3343.948	0.159923	0.131686	1.214426	0.224585	0.708317	ENSMUSG0 G3bp2
ENSMUSG0	253.1533	0.337807	0.278177	1.214358	0.224611	0.708317	ENSMUSG0 Ppp4r4
ENSMUSG0	14042.49	-0.52016	0.428397	-1.2142	0.224671	0.708317	ENSMUSG0 Lars2
ENSMUSG0	454.3605	-0.22188	0.18276	-1.21407	0.22472	0.708317	ENSMUSG0 Gpr89
ENSMUSG0	91.91915	1.134793	0.93475	1.214007	0.224745	0.708317	ENSMUSG0 Adcyap1
ENSMUSG0	87.57836	0.278174	0.229142	1.213978	0.224756	0.708317	ENSMUSG0 Zfp82
ENSMUSG0	686.4155	0.170311	0.140294	1.213963	0.224762	0.708317	ENSMUSG0 Sgms1
ENSMUSG0	21.47716	0.68801	0.566751	1.213956	0.224764	0.708317	ENSMUSG0 1700034H1
ENSMUSG0	4.747126	-0.95339	0.785611	-1.21357	0.224914	0.708583	ENSMUSG0 Gm43814
ENSMUSG0	514.1865	-0.27218	0.224287	-1.21354	0.224922	0.708583	ENSMUSG0 Rad54l2
ENSMUSG0	40.82707	0.468886	0.386436	1.213361	0.224992	0.708686	ENSMUSG0 Gm39326
ENSMUSG0	7.897958	0.949306	0.78245	1.213248	0.225035	0.708706	ENSMUSG0 Prss30
ENSMUSG0	378.6654	-0.18975	0.156486	-1.21258	0.225292	0.708974	ENSMUSG0 Actl6b
ENSMUSG0	5.46655	1.557047	1.284146	1.212515	0.225315	0.708974	ENSMUSG0 Gm21093
ENSMUSG0	402.7836	0.445233	0.367204	1.212496	0.225323	0.708974	ENSMUSG0 Pakap
ENSMUSG0	276.6197	-0.20562	0.169582	-1.21249	0.225326	0.708974	ENSMUSG0 Nufip1
ENSMUSG0	98.34373	-0.32586	0.268776	-1.2124	0.225359	0.708974	ENSMUSG0 Kcnn1
ENSMUSG0	8.819506	0.663834	0.547591	1.212281	0.225405	0.708974	ENSMUSG0 Cfap57
ENSMUSG0	41.57335	0.4935	0.407087	1.212272	0.225408	0.708974	ENSMUSG0 Zfp750
ENSMUSG0	17.23713	1.055255	0.870565	1.21215	0.225455	0.708974	ENSMUSG0 Atp8b4
ENSMUSG0	10.05859	0.806779	0.665641	1.212034	0.2255	0.708974	ENSMUSG0 Gnasas1
ENSMUSG0	65.9651	0.552936	0.45623	1.211968	0.225525	0.708974	ENSMUSG0 Tlr12
ENSMUSG0	1132.321	-0.1927	0.159017	-1.21183	0.225576	0.708974	ENSMUSG0 Pik3r4
ENSMUSG0	101.9257	-0.64359	0.531184	-1.21162	0.225659	0.708974	ENSMUSG0 Aff2
ENSMUSG0	4.404374	1.06866	0.882026	1.211596	0.225667	0.708974	ENSMUSG0 Foxf2
ENSMUSG0	37.12817	0.671154	0.553961	1.211556	0.225682	0.708974	ENSMUSG0 Hmcn2
ENSMUSG0	5.682864	1.012579	0.835956	1.211283	0.225787	0.708974	ENSMUSG0 Aunip
ENSMUSG0	967.7461	0.227072	0.187471	1.211238	0.225804	0.708974	ENSMUSG0 Khnyn
ENSMUSG0	193.3078	-0.40044	0.330609	-1.21121	0.225814	0.708974	ENSMUSG0 Lsm5
ENSMUSG0	675.6745	0.400915	0.331014	1.211172	0.22583	0.708974	ENSMUSG0 Ints6
ENSMUSG0	65.24616	0.300245	0.247911	1.211098	0.225858	0.708974	ENSMUSG0 Ttll11
ENSMUSG0	537.4685	0.159466	0.131681	1.211004	0.225894	0.708974	ENSMUSG0 Prpf31
ENSMUSG0	22.63437	0.581236	0.479962	1.211003	0.225894	0.708974	ENSMUSG0 Zfp300
ENSMUSG0	1055.336	-0.19388	0.160171	-1.21044	0.22611	0.70936	ENSMUSG0 Galnt11
ENSMUSG0	168.1121	0.229508	0.18962	1.210358	0.226142	0.70936	ENSMUSG0 Zbtb12
ENSMUSG0	3.792433	-1.18603	0.979909	-1.21035	0.226145	0.70936	ENSMUSG0 Gm9970
ENSMUSG0	2945.017	-0.24891	0.205671	-1.21024	0.226187	0.70936	ENSMUSG0 Anxa4
ENSMUSG0	16.24425	0.640991	0.529712	1.210073	0.226251	0.709399	ENSMUSG0 Nkain2
ENSMUSG0	733.936	-0.27355	0.226111	-1.20982	0.226349	0.709425	ENSMUSG0 Pbdc1
ENSMUSG0	16.82607	-0.50909	0.420816	-1.20977	0.226368	0.709425	ENSMUSG0 4933429H1
ENSMUSG0	65.07517	-0.46718	0.386184	-1.20973	0.226381	0.709425	ENSMUSG0 D830025C0
ENSMUSG0	1380.034	-0.29087	0.240451	-1.20967	0.226407	0.709425	ENSMUSG0 4933434E2
ENSMUSG0	27.42747	-0.54145	0.447708	-1.20938	0.226518	0.70966	ENSMUSG0 Gm37274
ENSMUSG0	52.4056	0.715915	0.592166	1.208976	0.226672	0.709973	ENSMUSG0 H2-Q5
ENSMUSG0	247.8078	-0.28183	0.233126	-1.20892	0.226692	0.709973	ENSMUSG0 Nsmce2
ENSMUSG0	6.942936	-1.05158	0.870135	-1.20852	0.226846	0.710192	ENSMUSG0 Gm43751
ENSMUSG0	38.96739	0.634967	0.525463	1.208397	0.226895	0.710192	ENSMUSG0 Cadm2
ENSMUSG0	265.5794	-0.4068	0.336655	-1.20837	0.226904	0.710192	ENSMUSG0 Pigbbs1
ENSMUSG0	383.3085	0.260681	0.215732	1.208357	0.22691	0.710192	ENSMUSG0 Wee1
ENSMUSG0	24.81406	0.769776	0.637234	1.207996	0.227049	0.710511	ENSMUSG0 Adm
ENSMUSG0	3.225398	-1.44501	1.196568	-1.20763	0.227189	0.710546	ENSMUSG0 Gm15169
ENSMUSG0	12.82292	-0.65203	0.54001	-1.20744	0.227263	0.710546	ENSMUSG0 Gm43792

ENSMUSG0	52.77661	-0.36997	0.306411	-1.20743	0.227265	0.710546	ENSMUSG0 Lrriq3
ENSMUSG0	196.7313	-0.25166	0.208438	-1.20738	0.227287	0.710546	ENSMUSG0 B3glct
ENSMUSG0	179.4643	0.266379	0.220642	1.207289	0.227321	0.710546	ENSMUSG0 Paqr8
ENSMUSG0	669.4946	0.147653	0.122308	1.207226	0.227345	0.710546	ENSMUSG0 Ctbp2
ENSMUSG0	2171.45	-0.21735	0.180043	-1.20719	0.227358	0.710546	ENSMUSG0 Syvn1
ENSMUSG0	2686.494	-0.2489	0.20619	-1.20712	0.227386	0.710546	ENSMUSG0 Sdhd
ENSMUSG0	237.4977	-0.26692	0.22112	-1.2071	0.227392	0.710546	ENSMUSG0 Psph
ENSMUSG0	260.5243	0.255372	0.21158	1.206976	0.227441	0.710583	ENSMUSG0 Zfp945
ENSMUSG0	14.34259	-0.57558	0.476937	-1.20682	0.227503	0.710643	ENSMUSG0 Dmc1
ENSMUSG0	1251.817	-0.27934	0.231484	-1.20673	0.227534	0.710643	ENSMUSG0 Copz2
ENSMUSG0	9.905681	0.651016	0.53955	1.206591	0.22759	0.710695	ENSMUSG0 Eme1
ENSMUSG0	116.5674	-0.26379	0.21865	-1.20646	0.227642	0.710695	ENSMUSG0 4930578M
ENSMUSG0	3.194374	1.180429	0.978607	1.206233	0.227728	0.710695	ENSMUSG0 Hgd
ENSMUSG0	66.9809	-0.36542	0.302949	-1.20622	0.227733	0.710695	ENSMUSG0 Zfp992
ENSMUSG0	118.5149	-0.35349	0.293084	-1.2061	0.227777	0.710695	ENSMUSG0 Gm6658
ENSMUSG0	476.0621	0.344248	0.285456	1.205959	0.227833	0.710695	ENSMUSG0 Mllt1
ENSMUSG0	45.62681	-0.43315	0.359202	-1.20587	0.227867	0.710695	ENSMUSG0 Cd59b
ENSMUSG0	326.0428	-0.25505	0.21151	-1.20586	0.227872	0.710695	ENSMUSG0 Dynlt1c
ENSMUSG0	3.417405	1.351269	1.120615	1.205829	0.227883	0.710695	ENSMUSG0 Gm13110
ENSMUSG0	105.1952	0.668844	0.554846	1.205459	0.228026	0.710984	ENSMUSG0 Plcb2
ENSMUSG0	90.66195	-0.46464	0.385465	-1.2054	0.22805	0.710984	ENSMUSG0 Gm50455
ENSMUSG0	2372.478	-0.27033	0.224509	-1.20411	0.228546	0.71232	ENSMUSG0 Rnasek
ENSMUSG0	247.0711	-0.32535	0.270207	-1.2041	0.228553	0.71232	ENSMUSG0 B230217C1
ENSMUSG0	93.84372	0.708232	0.588241	1.203981	0.228597	0.712343	ENSMUSG0 Cdh19
ENSMUSG0	44.50819	0.385192	0.320042	1.203569	0.228756	0.712693	ENSMUSG0 Serpina1d
ENSMUSG0	2724.02	-0.14317	0.118966	-1.20343	0.228811	0.712693	ENSMUSG0 Scap
ENSMUSG0	267.1568	0.553475	0.459925	1.203402	0.228821	0.712693	ENSMUSG0 Postn
ENSMUSG0	224.8616	0.395546	0.328762	1.203137	0.228923	0.712773	ENSMUSG0 Ier5l
ENSMUSG0	59.47904	0.494755	0.41123	1.20311	0.228934	0.712773	ENSMUSG0 Ckap2
ENSMUSG0	2777.274	-0.2016	0.167609	-1.20282	0.229045	0.712773	ENSMUSG0 Tra2b
ENSMUSG0	842.9508	-0.18722	0.155649	-1.20282	0.229048	0.712773	ENSMUSG0 Csad
ENSMUSG0	1091.271	-0.19377	0.16115	-1.2024	0.229208	0.712773	ENSMUSG0 Klc2
ENSMUSG0	1747.468	-0.31403	0.26118	-1.20236	0.229225	0.712773	ENSMUSG0 Cops3
ENSMUSG0	8089.198	-0.33082	0.275155	-1.2023	0.229246	0.712773	ENSMUSG0 Prlr
ENSMUSG0	172.7817	0.985348	0.819568	1.202277	0.229256	0.712773	ENSMUSG0 Gpr132
ENSMUSG0	1074.874	0.214985	0.178823	1.202222	0.229278	0.712773	ENSMUSG0 Tie1
ENSMUSG0	216.4078	0.277232	0.230618	1.202128	0.229314	0.712773	ENSMUSG0 Sema6b
ENSMUSG0	27.16344	0.560036	0.465887	1.202086	0.22933	0.712773	ENSMUSG0 Gm45718
ENSMUSG0	6.117654	-0.8958	0.745214	-1.20207	0.229338	0.712773	ENSMUSG0 Gm45231
ENSMUSG0	3.236848	1.081647	0.899829	1.202059	0.229341	0.712773	ENSMUSG0 Gm43136
ENSMUSG0	85.39834	-0.41187	0.34273	-1.20173	0.229469	0.712773	ENSMUSG0 Dus4l
ENSMUSG0	8.66507	-0.98279	0.817884	-1.20162	0.229511	0.712773	ENSMUSG0 Dgkeos
ENSMUSG0	35.09607	0.842686	0.701344	1.201531	0.229545	0.712773	ENSMUSG0 Gm38393
ENSMUSG0	12.33404	-1.00067	0.83284	-1.20151	0.229553	0.712773	ENSMUSG0 Gm48225
ENSMUSG0	388.5348	-0.32762	0.272694	-1.20144	0.229582	0.712773	ENSMUSG0 Hint3
ENSMUSG0	324.193	0.237742	0.197911	1.201262	0.22965	0.712773	ENSMUSG0 Wdr60
ENSMUSG0	466.9044	0.24477	0.203764	1.201243	0.229657	0.712773	ENSMUSG0 Dysf
ENSMUSG0	208.517	0.516587	0.430048	1.201231	0.229662	0.712773	ENSMUSG0 AU020206
ENSMUSG0	6.566687	-0.99178	0.825839	-1.20093	0.229777	0.712957	ENSMUSG0 Gm42466
ENSMUSG0	12.41291	0.676376	0.563304	1.20073	0.229856	0.712957	ENSMUSG0 Deup1
ENSMUSG0	8.340167	-0.75608	0.629871	-1.20038	0.229993	0.712957	ENSMUSG0 Gm38560
ENSMUSG0	29.12399	0.523256	0.435948	1.200273	0.230033	0.712957	ENSMUSG0 Pth1r

ENSMUSG0	80.56788	0.471384	0.392785	1.200106	0.230098	0.712957	ENSMUSG0 Myom1
ENSMUSG0	3.63727	1.550114	1.291722	1.200037	0.230125	0.712957	ENSMUSG02410018L1
ENSMUSG0	5.308111	-0.93866	0.78224	-1.19996	0.230155	0.712957	ENSMUSG0 Gm43482
ENSMUSG0	7286.724	-0.20625	0.171884	-1.19996	0.230156	0.712957	ENSMUSG0 Rab2a
ENSMUSG0	1691.953	-0.28353	0.236313	-1.19983	0.230206	0.712957	ENSMUSG0 Appl2
ENSMUSG0	2036.809	-0.17106	0.142579	-1.19974	0.230241	0.712957	ENSMUSG0 Vapa
ENSMUSG0	384.8373	-0.15156	0.126327	-1.19974	0.230242	0.712957	ENSMUSG0 Zdhhc23
ENSMUSG0	2387.003	0.220283	0.183609	1.199735	0.230242	0.712957	ENSMUSG0 Septin7
ENSMUSG0	181.8615	-0.26379	0.219891	-1.19965	0.230275	0.712957	ENSMUSG0 Rcor2
ENSMUSG0	212.6609	0.288004	0.240097	1.199531	0.230322	0.712957	ENSMUSG0 Cnnm4
ENSMUSG0	101.7504	-0.35075	0.292415	-1.19949	0.230337	0.712957	ENSMUSG0 Il1r2
ENSMUSG0	88.56902	0.383715	0.319907	1.199458	0.23035	0.712957	ENSMUSG0 Gk
ENSMUSG0	342.7133	0.213791	0.178251	1.199379	0.230381	0.712957	ENSMUSG0 Rdh13
ENSMUSG0	7522.303	-0.34954	0.29144	-1.19936	0.230388	0.712957	ENSMUSG0 Rpl17
ENSMUSG0	283.5918	0.217766	0.181604	1.199122	0.23048	0.713129	ENSMUSG0 Dok4
ENSMUSG0	21.22277	-0.45881	0.382774	-1.19864	0.23067	0.713546	ENSMUSG0 Gm4189
ENSMUSG0	919.9771	-0.29063	0.242475	-1.19858	0.23069	0.713546	ENSMUSG0 Auts2
ENSMUSG0	799.4275	-0.63219	0.527638	-1.19816	0.230856	0.713946	ENSMUSG0 Npas4
ENSMUSG0	1207.209	-0.14948	0.124789	-1.19789	0.230958	0.7141	ENSMUSG0 Entr1
ENSMUSG0	967.9719	-0.21726	0.181374	-1.19784	0.23098	0.7141	ENSMUSG0 Ints6l
ENSMUSG0	19.2127	-0.59064	0.49324	-1.19747	0.231124	0.714429	ENSMUSG0 Gm35409
ENSMUSG0	6.248813	-0.79828	0.666701	-1.19736	0.231165	0.714441	ENSMUSG0 Gm43774
ENSMUSG0	9.562829	1.322605	1.104762	1.197185	0.231234	0.714542	ENSMUSG0 Gm42420
ENSMUSG0	4.945719	1.223603	1.022362	1.196839	0.231369	0.714844	ENSMUSG0 Pigz
ENSMUSG0	1631.013	-0.35055	0.292988	-1.19646	0.231518	0.714961	ENSMUSG0 Lysmd2
ENSMUSG0	27487.19	0.182145	0.152249	1.196359	0.231557	0.714961	ENSMUSG0 Aplp1
ENSMUSG0	389.8094	0.448826	0.375168	1.196334	0.231566	0.714961	ENSMUSG0 Mapk13
ENSMUSG0	62.27222	0.453377	0.378976	1.196321	0.231571	0.714961	ENSMUSG0 Cfi
ENSMUSG0	9.250274	0.636962	0.532459	1.196265	0.231593	0.714961	ENSMUSG0 Ccr10
ENSMUSG0	4798.678	1.004978	0.840498	1.195693	0.231816	0.715372	ENSMUSG0 Vip
ENSMUSG0	419.8895	0.16715	0.139804	1.195605	0.231851	0.715372	ENSMUSG0 Slc25a38
ENSMUSG0	427.806	-0.32711	0.273597	-1.19558	0.231861	0.715372	ENSMUSG0 Brsk2
ENSMUSG0	397.337	0.263871	0.220746	1.195362	0.231946	0.715372	ENSMUSG0 Dhrr3
ENSMUSG0	1252.043	0.309767	0.259149	1.195322	0.231961	0.715372	ENSMUSG0 Smarca1
ENSMUSG0	386.3283	-0.2173	0.181812	-1.19521	0.232007	0.715372	ENSMUSG0 Aimp2
ENSMUSG0	24.36616	-0.41402	0.346432	-1.1951	0.23205	0.715372	ENSMUSG04930502A0
ENSMUSG0	255.6448	0.285616	0.239002	1.195034	0.232074	0.715372	ENSMUSG0 Nefh
ENSMUSG0	507.0847	0.447189	0.374233	1.194948	0.232107	0.715372	ENSMUSG0 Cdh5
ENSMUSG0	164.6888	-0.23508	0.196744	-1.19486	0.232142	0.715372	ENSMUSG0 Kctd8
ENSMUSG0	88.91226	-0.4566	0.382184	-1.19471	0.2322	0.715372	ENSMUSG0 Gm44292
ENSMUSG0	421.2965	0.61536	0.515075	1.194701	0.232204	0.715372	ENSMUSG0 Arhgap30
ENSMUSG0	3210.109	0.23192	0.194134	1.194637	0.232229	0.715372	ENSMUSG0 Rps6ka2
ENSMUSG0	5.456953	-1.23596	1.034659	-1.19455	0.232261	0.715372	ENSMUSG0 Klre1
ENSMUSG0	3.062422	-1.07563	0.900492	-1.1945	0.232284	0.715372	ENSMUSG0 Gm19710
ENSMUSG0	89.0452	-0.39304	0.32908	-1.19436	0.232336	0.715378	ENSMUSG0 Rad51c
ENSMUSG0	159592.7	-0.31214	0.261354	-1.1943	0.23236	0.715378	ENSMUSG0 Ppy
ENSMUSG0	107.9467	-0.24907	0.208579	-1.19415	0.232421	0.715419	ENSMUSG02900076A0
ENSMUSG0	41.66563	-0.47544	0.398165	-1.19408	0.232448	0.715419	ENSMUSG0 Slco1a5
ENSMUSG0	1210.643	-0.17792	0.149058	-1.19362	0.232625	0.715791	ENSMUSG0 Rint1
ENSMUSG0	12.45612	-0.62202	0.52114	-1.19358	0.232643	0.715791	ENSMUSG0 Foxn1
ENSMUSG0	6.224486	0.901157	0.755095	1.193435	0.232699	0.715848	ENSMUSG0 Gm13136
ENSMUSG0	253.9269	-0.24914	0.20888	-1.19274	0.232969	0.715946	ENSMUSG0 Cwf1911

ENSMUSG0	884.2399	-0.32029	0.26858	-1.19254	0.233049	0.715946	ENSMUSG0 Pgf
ENSMUSG0	525.4741	-0.20697	0.173574	-1.19242	0.233096	0.715946	ENSMUSG0 Tmem129
ENSMUSG0	194.5554	-0.2782	0.233309	-1.19241	0.233102	0.715946	ENSMUSG0 Exo5
ENSMUSG0	22.61129	-0.70618	0.592232	-1.19241	0.233102	0.715946	ENSMUSG0 AW822252
ENSMUSG0	21.86168	-0.57641	0.483427	-1.19234	0.233126	0.715946	ENSMUSG0 4732416N1
ENSMUSG0	1126.303	-0.21375	0.179285	-1.19223	0.233173	0.715946	ENSMUSG0 Ube2q2
ENSMUSG0	771.931	-0.36818	0.308832	-1.19217	0.233196	0.715946	ENSMUSG0 Per3
ENSMUSG0	2583.684	-0.23031	0.193199	-1.19209	0.233227	0.715946	ENSMUSG0 Eif3l
ENSMUSG0	23.51558	0.958385	0.803996	1.192027	0.233251	0.715946	ENSMUSG0 Tnfsf11
ENSMUSG0	24.46304	-0.56505	0.474084	-1.19188	0.233309	0.715946	ENSMUSG0 Tgm5
ENSMUSG0	285.6166	-1.16098	0.974081	-1.19187	0.233313	0.715946	ENSMUSG0 Slc38a3
ENSMUSG0	928.3327	-0.27475	0.23053	-1.1918	0.233338	0.715946	ENSMUSG0 Ubald1
ENSMUSG0	691.2676	0.507806	0.426108	1.19173	0.233367	0.715946	ENSMUSG0 Mpeg1
ENSMUSG0	50.74442	-0.70822	0.594291	-1.1917	0.233379	0.715946	ENSMUSG0 Tmem139
ENSMUSG0	685.305	0.489152	0.410473	1.191679	0.233387	0.715946	ENSMUSG0 Swap70
ENSMUSG0	5.912791	1.066254	0.894775	1.191644	0.233401	0.715946	ENSMUSG0 Hrc
ENSMUSG0	27.49329	0.718396	0.603003	1.191364	0.233511	0.716169	ENSMUSG0 Crtac1
ENSMUSG0	2245.056	-0.23031	0.193425	-1.19069	0.233775	0.716865	ENSMUSG0 Tmpo
ENSMUSG0	73.36635	0.635141	0.53351	1.190495	0.233852	0.716947	ENSMUSG0 Prrx1
ENSMUSG0	596.5833	0.24191	0.203212	1.190433	0.233876	0.716947	ENSMUSG0 Arrdc4
ENSMUSG0	1250.86	-0.32777	0.27543	-1.19003	0.234034	0.717318	ENSMUSG0 Eny2
ENSMUSG0	82.06691	0.594254	0.49948	1.189746	0.234146	0.717546	ENSMUSG0 P2rx7
ENSMUSG0	2729.055	-0.18434	0.154988	-1.18935	0.234302	0.717833	ENSMUSG0 Tbrg1
ENSMUSG0	1852.061	-0.16554	0.139192	-1.18932	0.234314	0.717833	ENSMUSG0 Ipo4
ENSMUSG0	1260.309	-0.17864	0.150331	-1.18833	0.234705	0.718773	ENSMUSG0 Arid2
ENSMUSG0	52.16036	0.542736	0.456767	1.188214	0.234749	0.718773	ENSMUSG0 Gdf11
ENSMUSG0	2038.601	-0.33237	0.279731	-1.18817	0.234765	0.718773	ENSMUSG0 Ccnt2
ENSMUSG0	637.2048	-0.24437	0.205669	-1.18816	0.234772	0.718773	ENSMUSG0 Fpgt
ENSMUSG0	4.87589	-1.31161	1.103992	-1.18806	0.234808	0.718773	ENSMUSG0 Gm48624
ENSMUSG0	710.5359	0.954296	0.803396	1.187827	0.234901	0.718944	ENSMUSG0 Igha
ENSMUSG0	56.55843	-0.76334	0.642727	-1.18765	0.234971	0.719043	ENSMUSG0 Atp2c2
ENSMUSG0	509.7253	0.26212	0.220822	1.18702	0.23522	0.71957	ENSMUSG0 Id2
ENSMUSG0	240.0745	-0.27216	0.229289	-1.18696	0.235243	0.71957	ENSMUSG0 Ophn1
ENSMUSG0	24.92615	0.57301	0.482809	1.186827	0.235296	0.71957	ENSMUSG0 C3ar1
ENSMUSG0	35.84424	0.475799	0.400916	1.18678	0.235314	0.71957	ENSMUSG0 Vav3
ENSMUSG0	4.606919	0.963002	0.811469	1.186739	0.23533	0.71957	ENSMUSG0 Hoxc5
ENSMUSG0	5439.969	0.242158	0.204084	1.186559	0.235402	0.719619	ENSMUSG0 Ier2
ENSMUSG0	161.6389	-0.22918	0.193158	-1.18651	0.235421	0.719619	ENSMUSG0 Cfap74
ENSMUSG0	7.137802	-0.91977	0.775275	-1.18638	0.235473	0.719662	ENSMUSG0 Gm45890
ENSMUSG0	169.1077	-0.37595	0.316964	-1.1861	0.235584	0.719802	ENSMUSG0 Adamts12
ENSMUSG0	59.21092	0.42976	0.362338	1.186074	0.235593	0.719802	ENSMUSG0 Hacd4
ENSMUSG0	19.73492	-1.31777	1.111189	-1.18591	0.235658	0.719885	ENSMUSG0 Nat8
ENSMUSG0	4.020196	1.186016	1.000539	1.185377	0.235868	0.720414	ENSMUSG0 Gm26510
ENSMUSG0	338.719	-0.46921	0.395896	-1.18518	0.235945	0.720469	ENSMUSG0 Spa17
ENSMUSG0	22.20265	-0.66972	0.565099	-1.18514	0.235961	0.720469	ENSMUSG0 9630010A2
ENSMUSG0	87.67947	0.480626	0.405613	1.184937	0.236042	0.720601	ENSMUSG0 Matk
ENSMUSG0	195.0028	-0.26265	0.221726	-1.18456	0.236192	0.720945	ENSMUSG0 Trmt5
ENSMUSG0	42.37986	0.560891	0.473747	1.183946	0.236434	0.72157	ENSMUSG0 Gm19426
ENSMUSG0	13.85874	-0.51362	0.43387	-1.1838	0.23649	0.721611	ENSMUSG0 Rgs9bp
ENSMUSG0	435.036	-0.22076	0.186494	-1.18372	0.236523	0.721611	ENSMUSG0 Mark1
ENSMUSG0	57.89765	0.615678	0.520278	1.183364	0.236665	0.72185	ENSMUSG0 Wfdc1
ENSMUSG0	33.25467	-0.5086	0.429835	-1.18324	0.236714	0.72185	ENSMUSG0 Lin28a

ENSMUSG0	131.9776	0.554974	0.469179	1.182862	0.236864	0.722142	ENSMUSG0 Tpbgl
ENSMUSG0	935.3598	0.474193	0.400904	1.182809	0.236885	0.722142	ENSMUSG0 Cyba
ENSMUSG0	448.31	0.253213	0.214097	1.1827	0.236928	0.72216	ENSMUSG0 Slc25a10
ENSMUSG0	9.134055	0.800557	0.677023	1.182466	0.237021	0.722239	ENSMUSG0 Zfp972
ENSMUSG0	901.2099	0.199458	0.168698	1.182333	0.237074	0.722239	ENSMUSG0 Lrig1
ENSMUSG0	5.803348	0.836189	0.707252	1.182306	0.237084	0.722239	ENSMUSG0 Slitrk2
ENSMUSG0	2035.835	-0.16864	0.142644	-1.18226	0.237104	0.722239	ENSMUSG0 Rbck1
ENSMUSG0	21.70752	1.708113	1.445279	1.181856	0.237263	0.722363	ENSMUSG0 Slc9a4
ENSMUSG0	1076.374	-0.30935	0.261773	-1.18175	0.237306	0.722363	ENSMUSG0 Gadd45gip1
ENSMUSG0	223.6095	0.160376	0.135713	1.181728	0.237314	0.722363	ENSMUSG0 Inip
ENSMUSG0	141.1083	0.661165	0.559539	1.181624	0.237355	0.722363	ENSMUSG0 Bin2
ENSMUSG0	14.37695	0.592217	0.501237	1.18151	0.2374	0.722363	ENSMUSG0 Marchf11
ENSMUSG0	2451.413	-0.20261	0.171489	-1.18147	0.237416	0.722363	ENSMUSG0 Ndr3
ENSMUSG0	17.81733	-0.68073	0.576176	-1.18147	0.237418	0.722363	ENSMUSG0 Gm45223
ENSMUSG0	11.35836	-0.72646	0.614948	-1.18133	0.237473	0.722363	ENSMUSG0 Gm49871
ENSMUSG0	95.93915	0.700478	0.592971	1.181302	0.237483	0.722363	ENSMUSG0 Aff3
ENSMUSG0	381.8744	-0.29759	0.252033	-1.18076	0.237699	0.722814	ENSMUSG0 2300009A0
ENSMUSG0	701.09	0.210071	0.177915	1.180739	0.237707	0.722814	ENSMUSG0 Pacsin1
ENSMUSG0	230.2515	0.372429	0.315493	1.180469	0.237814	0.722998	ENSMUSG0 Tubb6
ENSMUSG0	12.52058	0.84188	0.71326	1.180326	0.237871	0.722998	ENSMUSG0 Vegfd
ENSMUSG0	1001.042	-0.39535	0.334954	-1.1803	0.23788	0.722998	ENSMUSG0 Mknk1
ENSMUSG0	3.058281	1.062268	0.900213	1.180019	0.237993	0.72318	ENSMUSG0 AC113595.1
ENSMUSG0	2.98546	1.189087	1.007879	1.179791	0.238083	0.72318	ENSMUSG0 Morc1
ENSMUSG0	3.7701	-1.0737	0.910103	-1.17975	0.238098	0.72318	ENSMUSG0 Gm44152
ENSMUSG0	4.555976	1.070719	0.907615	1.179707	0.238117	0.72318	ENSMUSG0 Gm38071
ENSMUSG0	928.5627	0.316736	0.268515	1.179584	0.238166	0.72318	ENSMUSG0 Bmpr2
ENSMUSG0	37.55145	-0.54613	0.463016	-1.17951	0.238197	0.72318	ENSMUSG0 Gm15459
ENSMUSG0	330.4123	-0.31623	0.268103	-1.17949	0.238203	0.72318	ENSMUSG0 Macrod2
ENSMUSG0	6.820779	-0.77663	0.658533	-1.17933	0.238268	0.723263	ENSMUSG0 Nme9
ENSMUSG0	188.3747	-0.42157	0.357533	-1.1791	0.238357	0.723396	ENSMUSG0 E130308A1
ENSMUSG0	238.6523	-0.24663	0.209197	-1.17894	0.238422	0.723396	ENSMUSG0 Timm9
ENSMUSG0	169.2968	0.342562	0.290574	1.178914	0.238432	0.723396	ENSMUSG0 Jph4
ENSMUSG0	33.18822	-0.47384	0.401966	-1.17881	0.238473	0.723396	ENSMUSG0 Gm4032
ENSMUSG0	1735.174	-0.24969	0.211847	-1.17862	0.238549	0.723396	ENSMUSG0 Vps4b
ENSMUSG0	282.2066	0.50358	0.427299	1.17852	0.23859	0.723396	ENSMUSG0 Nfkbid
ENSMUSG0	165.1692	0.337918	0.286802	1.17823	0.238705	0.723396	ENSMUSG0 Lpar1
ENSMUSG0	1291.032	-0.4096	0.347644	-1.17822	0.238711	0.723396	ENSMUSG0 Sf3b6
ENSMUSG0	128.4272	0.196753	0.166996	1.178187	0.238722	0.723396	ENSMUSG0 Chst14
ENSMUSG0	51.15491	0.470681	0.399503	1.178167	0.23873	0.723396	ENSMUSG0 Ifnlr1
ENSMUSG0	38.04822	0.399675	0.339246	1.178125	0.238747	0.723396	ENSMUSG0 Pbx4
ENSMUSG0	6.104299	-0.78953	0.670181	-1.17809	0.238763	0.723396	ENSMUSG0 Gys2
ENSMUSG0	1103.07	0.284207	0.241273	1.17795	0.238817	0.723445	ENSMUSG0 Syne2
ENSMUSG0	18.56238	0.48433	0.411246	1.177713	0.238911	0.723486	ENSMUSG0 Gm15541
ENSMUSG0	2744.014	0.288588	0.245052	1.177662	0.238932	0.723486	ENSMUSG0 Zfp3612
ENSMUSG0	4.584772	1.010855	0.858406	1.177596	0.238958	0.723486	ENSMUSG0 Tmigd1
ENSMUSG0	6.89435	-0.8949	0.760049	-1.17742	0.239026	0.723486	ENSMUSG0 Gm42432
ENSMUSG0	73.83982	-0.28071	0.238418	-1.17738	0.239045	0.723486	ENSMUSG0 Zfp273
ENSMUSG0	81.32644	1.187738	1.008842	1.177328	0.239065	0.723486	ENSMUSG0 Cd3e
ENSMUSG0	153.0795	-0.58792	0.499443	-1.17716	0.239132	0.723486	ENSMUSG0 Ciart
ENSMUSG0	696.9289	-0.40427	0.343442	-1.1771	0.239154	0.723486	ENSMUSG0 Tsc22d2
ENSMUSG0	33.97916	0.376074	0.319539	1.176926	0.239225	0.723486	ENSMUSG0 Gm44220
ENSMUSG0	453.2987	-0.24162	0.20531	-1.17686	0.239251	0.723486	ENSMUSG0 Zfp579

ENSMUSG0	18.14816	0.726441	0.617284	1.176834	0.239262	0.723486	ENSMUSG0 Pdcd1
ENSMUSG0	4.051038	-1.12599	0.956835	-1.17678	0.239282	0.723486	ENSMUSG0 Gm11520
ENSMUSG0	115.3761	0.524458	0.44574	1.1766	0.239355	0.723595	ENSMUSG0 Pik3cg
ENSMUSG0	3128.736	-0.19128	0.162619	-1.17622	0.239508	0.723709	ENSMUSG0 Rph3al
ENSMUSG0	43.52902	0.574236	0.488246	1.176122	0.239546	0.723709	ENSMUSG0 Gm13563
ENSMUSG0	4.70336	-1.39301	1.184493	-1.17604	0.239581	0.723709	ENSMUSG0 Gm49308
ENSMUSG0	23.18186	0.853235	0.725559	1.17597	0.239607	0.723709	ENSMUSG0 Csmd1
ENSMUSG0	3077.156	-0.17852	0.151811	-1.17594	0.239618	0.723709	ENSMUSG0 Arf5
ENSMUSG0	87.61025	0.423156	0.359845	1.175941	0.239619	0.723709	ENSMUSG0 Gm49322
ENSMUSG0	3.923602	-0.98709	0.839607	-1.17565	0.239733	0.723941	ENSMUSG0 Gm15690
ENSMUSG0	1102.865	0.230696	0.196324	1.175077	0.239964	0.72438	ENSMUSG0 Rprd1a
ENSMUSG0	62.24608	0.696977	0.593161	1.175021	0.239986	0.72438	ENSMUSG0 Paqr5
ENSMUSG0	41.17915	-0.56474	0.480623	-1.17501	0.239991	0.72438	ENSMUSG0 Gm16253
ENSMUSG0	4.987442	-1.12338	0.956242	-1.17479	0.24008	0.724527	ENSMUSG0 Igkv12-41
ENSMUSG0	58.83832	0.373368	0.317862	1.174621	0.240146	0.724527	ENSMUSG02700054A1
ENSMUSG0	1407.595	0.256046	0.217991	1.174574	0.240165	0.724527	ENSMUSG0 Ankfy1
ENSMUSG0	165.4472	0.377902	0.321789	1.17438	0.240243	0.724527	ENSMUSG0 Cmtm3
ENSMUSG0	6.240211	0.967912	0.824224	1.174332	0.240262	0.724527	ENSMUSG01700019L1
ENSMUSG0	4231.48	-0.16677	0.142012	-1.17432	0.240266	0.724527	ENSMUSG0 Retreg2
ENSMUSG0	4.190521	0.956863	0.814924	1.174175	0.240325	0.724566	ENSMUSG0 Gm42503
ENSMUSG0	1930.178	-0.19088	0.162573	-1.1741	0.240354	0.724566	ENSMUSG0 Kctd20
ENSMUSG0	9326.709	0.21633	0.184389	1.173228	0.240704	0.725438	ENSMUSG0 Tspan7
ENSMUSG0	520.2491	1.010795	0.86161	1.173146	0.240737	0.725438	ENSMUSG0 Myl9
ENSMUSG0	3.229897	1.132466	0.965707	1.17268	0.240924	0.725438	ENSMUSG0 Upk1a
ENSMUSG0	393.8638	-0.33441	0.285172	-1.17265	0.240937	0.725438	ENSMUSG0 Ikzf2
ENSMUSG0	7.924231	1.197052	1.020837	1.172618	0.240949	0.725438	ENSMUSG0 Gm10851
ENSMUSG0	540.7888	0.200111	0.170655	1.172607	0.240953	0.725438	ENSMUSG0 Gtf3c3
ENSMUSG0	275.072	0.579338	0.494124	1.172455	0.241015	0.725438	ENSMUSG0 Il4i1
ENSMUSG0	158.3077	0.571921	0.487832	1.172373	0.241047	0.725438	ENSMUSG0 Upk3a
ENSMUSG0	1434.662	0.235525	0.200897	1.172364	0.241051	0.725438	ENSMUSG0 Stx16
ENSMUSG0	64.59349	0.364283	0.310737	1.17232	0.241069	0.725438	ENSMUSG0 Steap3
ENSMUSG0	805.6859	0.354715	0.302578	1.172311	0.241072	0.725438	ENSMUSG0 Pfkp
ENSMUSG0	85.51299	0.30735	0.262188	1.172251	0.241096	0.725438	ENSMUSG0 Mir100hg
ENSMUSG0	205.6264	-0.30662	0.261613	-1.17205	0.241176	0.725564	ENSMUSG0 Arid3b
ENSMUSG0	52.28297	-0.34393	0.2935	-1.17181	0.241274	0.725746	ENSMUSG0Tmem51os
ENSMUSG0	581.3459	-0.26616	0.227164	-1.17168	0.241327	0.725779	ENSMUSG0 Myo5b
ENSMUSG0	64.50856	0.607491	0.518557	1.171503	0.241397	0.725779	ENSMUSG0 Asphd2
ENSMUSG0	170.7524	0.326858	0.279078	1.171205	0.241516	0.725779	ENSMUSG0 Pcdhb14
ENSMUSG0	300.904	0.280325	0.239352	1.171183	0.241525	0.725779	ENSMUSG0 Atl1
ENSMUSG0	9.850121	-3.14887	2.688738	-1.17113	0.241546	0.725779	ENSMUSG0G630018N1
ENSMUSG0	166.5799	-0.23208	0.198169	-1.17112	0.241549	0.725779	ENSMUSG04833438C0
ENSMUSG0	9.647984	-0.9678	0.826543	-1.1709	0.241639	0.725779	ENSMUSG0 Hoxd9
ENSMUSG0	2478.874	0.222571	0.19009	1.170877	0.241648	0.725779	ENSMUSG0 Cbx5
ENSMUSG0	14.53153	-0.71762	0.612902	-1.17086	0.241654	0.725779	ENSMUSG0 Gm26814
ENSMUSG0	46.98461	0.854148	0.729554	1.170781	0.241687	0.725779	ENSMUSG0 Tmc5
ENSMUSG0	3.430828	1.01961	0.870905	1.170749	0.2417	0.725779	ENSMUSG0A430108GC
ENSMUSG0	4.269971	0.960925	0.821074	1.170328	0.241869	0.726174	ENSMUSG0 Gm48633
ENSMUSG0	230.717	0.18365	0.15695	1.170115	0.241955	0.726318	ENSMUSG0 Mvd
ENSMUSG0	603.0181	-0.18701	0.159853	-1.16991	0.242039	0.726371	ENSMUSG0 Rpl5
ENSMUSG0	959.7285	-0.2456	0.209938	-1.16988	0.242048	0.726371	ENSMUSG0 Smpdl3a
ENSMUSG0	6.962478	0.769413	0.657846	1.169594	0.242164	0.726556	ENSMUSG0 Fbxo40
ENSMUSG0	8.186328	-0.70155	0.599854	-1.16954	0.242185	0.726556	ENSMUSG0 Pkdrej

ENSMUSG0	1125.963	0.173989	0.148786	1.169394	0.242245	0.726622	ENSMUSG0 Phf20
ENSMUSG0	15.7249	0.752004	0.643234	1.169099	0.242364	0.726865	ENSMUSG0 Gm20695
ENSMUSG0	211.5213	-0.24085	0.206081	-1.16871	0.242519	0.726977	ENSMUSG0 BC052040
ENSMUSG0	735.2239	-0.50717	0.434019	-1.16854	0.242589	0.726977	ENSMUSG0 Per2
ENSMUSG0	119.3243	-0.24411	0.20891	-1.1685	0.242605	0.726977	ENSMUSG0 Rps2-ps10
ENSMUSG0	12.09337	-0.89043	0.762042	-1.16848	0.242614	0.726977	ENSMUSG0 Gm37342
ENSMUSG0	26.76247	0.476096	0.407462	1.168443	0.242628	0.726977	ENSMUSG0 Dscc1
ENSMUSG0	425.3496	-0.16845	0.144186	-1.16825	0.242704	0.727085	ENSMUSG0 Tctn2
ENSMUSG0	3.253537	1.283013	1.098377	1.168099	0.242767	0.727085	ENSMUSG0 C030005K0
ENSMUSG0	565.8219	0.270193	0.231322	1.168037	0.242792	0.727085	ENSMUSG0 Map7d2
ENSMUSG0	2733.862	-0.27829	0.238282	-1.16789	0.242852	0.727085	ENSMUSG0 Cnn3
ENSMUSG0	4.241934	1.320009	1.130392	1.167744	0.24291	0.727085	ENSMUSG0 Bglap
ENSMUSG0	11.64678	-0.74038	0.634073	-1.16766	0.242943	0.727085	ENSMUSG0 Olfr1033
ENSMUSG0	418.8577	-0.347	0.297187	-1.16763	0.242957	0.727085	ENSMUSG0 Robo1
ENSMUSG0	8028.464	-0.16065	0.137589	-1.1676	0.242967	0.727085	ENSMUSG0 Slc39a7
ENSMUSG0	429.8368	-0.22498	0.192721	-1.1674	0.243049	0.727218	ENSMUSG0 Slc10a7
ENSMUSG0	609.5034	-0.19995	0.171308	-1.16721	0.243127	0.727222	ENSMUSG0 Thap4
ENSMUSG0	2863.992	-0.23426	0.200703	-1.16718	0.243136	0.727222	ENSMUSG0 Slc4a7
ENSMUSG0	8.073569	0.817594	0.700525	1.167116	0.243164	0.727222	ENSMUSG0 Gm14276
ENSMUSG0	304.0642	-0.23544	0.201776	-1.16686	0.243269	0.727388	ENSMUSG0 Slc38a6
ENSMUSG0	239.753	-0.35918	0.307856	-1.16672	0.243323	0.727388	ENSMUSG0 Esrrg
ENSMUSG0	2421.358	-0.17607	0.150912	-1.1667	0.243332	0.727388	ENSMUSG0 Uqcrc2
ENSMUSG0	703.2695	-0.21526	0.184535	-1.16652	0.243405	0.727491	ENSMUSG0 Galc
ENSMUSG0	24.71181	-0.6747	0.578479	-1.16633	0.243481	0.727495	ENSMUSG0 Gm44863
ENSMUSG0	11918.26	-0.51141	0.438493	-1.1663	0.243494	0.727495	ENSMUSG0 Hspa1a
ENSMUSG0	134.125	-0.30152	0.258552	-1.1662	0.243534	0.727495	ENSMUSG0 Caps2
ENSMUSG0	142.1172	0.292432	0.25077	1.166137	0.243559	0.727495	ENSMUSG0 Fbxo36
ENSMUSG0	2226.052	-0.23286	0.199698	-1.16605	0.243595	0.727495	ENSMUSG0 Ddrgk1
ENSMUSG0	1706.656	-0.17761	0.152359	-1.16573	0.243722	0.727655	ENSMUSG0 Meis3
ENSMUSG0	179.214	0.414242	0.355362	1.165692	0.243739	0.727655	ENSMUSG0 Lama2
ENSMUSG0	605.1662	-0.23906	0.205088	-1.16563	0.243762	0.727655	ENSMUSG0 Ftx
ENSMUSG0	7.149422	-0.70874	0.608213	-1.16528	0.243906	0.727972	ENSMUSG0 4930563E1
ENSMUSG0	246.5173	0.240482	0.206455	1.164817	0.244093	0.728314	ENSMUSG0 Specc1
ENSMUSG0	51.19557	-0.44643	0.383261	-1.16481	0.244097	0.728314	ENSMUSG0 Gm17131
ENSMUSG0	388.6868	-0.31642	0.271709	-1.16455	0.244201	0.728399	ENSMUSG0 Bola1
ENSMUSG0	222.7404	0.352845	0.303001	1.1645	0.244221	0.728399	ENSMUSG0 Rpgrip1l
ENSMUSG0	983.4685	0.174599	0.149948	1.1644	0.244262	0.728399	ENSMUSG0 Cab39l
ENSMUSG0	222.211	1.0023	0.860813	1.164364	0.244277	0.728399	ENSMUSG0 Tcf7
ENSMUSG0	8.687561	0.869876	0.747214	1.164159	0.24436	0.728534	ENSMUSG0 Pdxk-ps
ENSMUSG0	8.229915	0.901488	0.774515	1.163938	0.244449	0.728688	ENSMUSG0 Lrrc9
ENSMUSG0	62.87161	0.483351	0.415357	1.163698	0.244547	0.728764	ENSMUSG0 Adamts5
ENSMUSG0	46.98846	0.410669	0.352903	1.163688	0.24455	0.728764	ENSMUSG0 Rasd2
ENSMUSG0	3475.838	0.299494	0.257414	1.163471	0.244639	0.728914	ENSMUSG0 Clic1
ENSMUSG0	7.541824	-1.37634	1.183322	-1.16311	0.244783	0.729232	ENSMUSG0 Ppbp
ENSMUSG0	8524.037	-0.307	0.263984	-1.16296	0.244847	0.729308	ENSMUSG0 Cox7a2l
ENSMUSG0	1349.182	0.437238	0.376054	1.1627	0.244951	0.729362	ENSMUSG0 Dcaf13
ENSMUSG0	864.5781	-0.25312	0.217698	-1.16269	0.244954	0.729362	ENSMUSG0 Tmem164
ENSMUSG0	19.38196	0.802391	0.69015	1.162633	0.244978	0.729362	ENSMUSG0 Apol10b
ENSMUSG0	2072.299	0.221001	0.190112	1.162477	0.245042	0.729412	ENSMUSG0 Myo1c
ENSMUSG0	428.8649	0.64866	0.558071	1.162326	0.245103	0.729412	ENSMUSG0 Septin1
ENSMUSG0	148.663	0.498194	0.428649	1.162243	0.245137	0.729412	ENSMUSG0 Unc13d
ENSMUSG0	132.7102	0.64676	0.556488	1.162218	0.245147	0.729412	ENSMUSG0 Was

ENSMUSG0	5.401923	-1.18324	1.018239	-1.16204	0.245217	0.729427	ENSMUSG0D230049E0
ENSMUSG0	362.1777	-0.2363	0.203363	-1.16196	0.24525	0.729427	ENSMUSG0 Atg14
ENSMUSG0	1237.127	-0.16195	0.139389	-1.16189	0.245282	0.729427	ENSMUSG0 Apmmap
ENSMUSG0	11.33353	0.597926	0.51468	1.161744	0.245339	0.729427	ENSMUSG0 Gpr150
ENSMUSG0	212.6788	0.242119	0.20843	1.161635	0.245384	0.729427	ENSMUSG0 Sybu
ENSMUSG0	6.771774	0.723581	0.622936	1.161567	0.245412	0.729427	ENSMUSG0D9300190C
ENSMUSG0	2189.306	-0.1942	0.167194	-1.16155	0.245418	0.729427	ENSMUSG0 Ormdl3
ENSMUSG0	171.7943	0.458672	0.39501	1.161167	0.245574	0.72968	ENSMUSG0 Arhgap25
ENSMUSG0	9.223305	0.743678	0.640602	1.160906	0.24568	0.729782	ENSMUSG0 Gm28172
ENSMUSG0	16.17351	-0.45598	0.392832	-1.16076	0.245739	0.729782	ENSMUSG0 Gm15760
ENSMUSG0	265.5962	0.557661	0.480513	1.160552	0.245824	0.729782	ENSMUSG0 C1ra
ENSMUSG0	8.757105	-0.93073	0.801984	-1.16054	0.245829	0.729782	ENSMUSG0 Rnf183
ENSMUSG0	5.849114	1.047686	0.90283	1.160446	0.245867	0.729782	ENSMUSG0 Pkd1l3
ENSMUSG0	1190.635	-0.15502	0.133588	-1.16042	0.245878	0.729782	ENSMUSG0 Ccdc92
ENSMUSG0	1729.929	-0.2819	0.242979	-1.16018	0.245977	0.729962	ENSMUSG0 Tceal8
ENSMUSG0	2.936528	-1.01635	0.876124	-1.16006	0.246026	0.729995	ENSMUSG0 Gm43361
ENSMUSG0	33.49254	-0.5287	0.455839	-1.15983	0.246117	0.730058	ENSMUSG0 Tmem116
ENSMUSG0	6.000465	1.222305	1.053877	1.159817	0.246123	0.730058	ENSMUSG0G930009F2
ENSMUSG0	456.1656	0.273991	0.236292	1.159543	0.246235	0.730072	ENSMUSG0 Aldoc
ENSMUSG0	5.93523	-1.46886	1.266759	-1.15954	0.246236	0.730072	ENSMUSG0 Duxbl1
ENSMUSG0	108.6378	0.413318	0.35649	1.15941	0.246289	0.730072	ENSMUSG0 C1qtnf1
ENSMUSG0	11.21788	0.963016	0.830628	1.159383	0.2463	0.730072	ENSMUSG09330158H0
ENSMUSG0	41.12533	0.593324	0.51182	1.159243	0.246357	0.730072	ENSMUSG0 Mmd2
ENSMUSG0	66.06899	0.645807	0.557168	1.159088	0.24642	0.730072	ENSMUSG0 Zc3h12d
ENSMUSG0	987.0805	-0.14003	0.120815	-1.15908	0.246425	0.730072	ENSMUSG0 Atg16l1
ENSMUSG0	2407.436	0.159386	0.137526	1.158951	0.246476	0.730072	ENSMUSG0 Nt5c2
ENSMUSG0	233.2465	0.616561	0.532067	1.158803	0.246536	0.730072	ENSMUSG0 Chst3
ENSMUSG0	12.19536	0.676337	0.58369	1.158728	0.246567	0.730072	ENSMUSG0 Tbx3os1
ENSMUSG0	654.0784	0.30637	0.264416	1.158667	0.246592	0.730072	ENSMUSG0 Ccdc82
ENSMUSG0	6.492655	0.688466	0.594253	1.15854	0.246644	0.730072	ENSMUSG0 Gm43423
ENSMUSG0	81.35807	0.818141	0.706198	1.158516	0.246654	0.730072	ENSMUSG0 Lmod1
ENSMUSG0	3.426332	1.086767	0.93808	1.158501	0.246659	0.730072	ENSMUSG0 Gm42851
ENSMUSG0	913.9446	-0.3354	0.289569	-1.15828	0.246751	0.730187	ENSMUSG0 Zfp865
ENSMUSG0	5.955933	-1.07861	0.931276	-1.1582	0.246781	0.730187	ENSMUSG0 Gm15197
ENSMUSG0	1157.377	-0.21065	0.181916	-1.15796	0.24688	0.730187	ENSMUSG0 Gba
ENSMUSG0	333.6539	-0.58505	0.505272	-1.15788	0.246912	0.730187	ENSMUSG0 Ppp1ccb
ENSMUSG0	7.188916	-0.99265	0.857314	-1.15786	0.246922	0.730187	ENSMUSG0 AV039307
ENSMUSG0	5.38243	1.415029	1.222214	1.157759	0.246962	0.730187	ENSMUSG0 AI197445
ENSMUSG0	1065.187	-0.23093	0.19946	-1.15776	0.246964	0.730187	ENSMUSG0 Whrn
ENSMUSG0	7.534407	0.836687	0.723196	1.15693	0.247301	0.730959	ENSMUSG0C030017B0
ENSMUSG0	2287.899	-0.24897	0.215229	-1.15675	0.247373	0.731053	ENSMUSG0 Ubn2
ENSMUSG0	1070.701	-0.16696	0.144355	-1.15662	0.247428	0.731053	ENSMUSG0 Rwd4a
ENSMUSG0	347.0818	-0.261	0.225685	-1.15648	0.247485	0.731053	ENSMUSG0 Pwwp2a
ENSMUSG0	1158.692	0.517928	0.447881	1.156396	0.247519	0.731053	ENSMUSG0 Sik1
ENSMUSG0	6889.608	-0.16711	0.144514	-1.15637	0.247532	0.731053	ENSMUSG0 Fkbp4
ENSMUSG0	932.8783	0.156384	0.135262	1.156154	0.247618	0.731053	ENSMUSG0 Gpd1l
ENSMUSG0	1634.009	-0.21186	0.18325	-1.15613	0.247627	0.731053	ENSMUSG0 Efr3a
ENSMUSG0	206.4409	-0.3759	0.325141	-1.15611	0.247637	0.731053	ENSMUSG0 Cfap69
ENSMUSG0	313.3419	0.604633	0.523072	1.155927	0.247711	0.73116	ENSMUSG0 Acap1
ENSMUSG0	1356.834	-0.25197	0.218005	-1.1558	0.247764	0.731203	ENSMUSG0 Trappc10
ENSMUSG0	1576.217	0.286325	0.247763	1.155642	0.247828	0.73128	ENSMUSG0 Midn
ENSMUSG0	7.673639	0.918436	0.794972	1.155305	0.247966	0.731364	ENSMUSG0 Ear2

ENSMUSG0	1801.48	0.231341	0.200244	1.155295	0.24797	0.731364	ENSMUSG0 Vasp
ENSMUSG0	42.9894	-0.48239	0.417602	-1.15515	0.248028	0.731364	ENSMUSG0 Gm38157
ENSMUSG0	30.03186	-0.58541	0.506835	-1.15503	0.248077	0.731364	ENSMUSG0 Gm43201
ENSMUSG0	368.1468	-0.24801	0.214731	-1.155	0.248091	0.731364	ENSMUSG0 Snhg12
ENSMUSG0	148.1171	-0.38216	0.330889	-1.15494	0.248113	0.731364	ENSMUSG0B230322F0
ENSMUSG0	16.04959	-0.4723	0.408941	-1.15492	0.248123	0.731364	ENSMUSG06030443J06
ENSMUSG0	597.535	-0.49058	0.424861	-1.15468	0.248222	0.73149	ENSMUSG0 Atm
ENSMUSG0	2937.726	-0.24394	0.211274	-1.1546	0.248255	0.73149	ENSMUSG0 Tob1
ENSMUSG0	101.3548	0.307755	0.266566	1.154517	0.248288	0.73149	ENSMUSG0 Ankrd35
ENSMUSG0	1177.045	-0.17467	0.151302	-1.15445	0.248317	0.73149	ENSMUSG0 Nr2f6
ENSMUSG0	647.3495	-0.2901	0.251333	-1.15423	0.248404	0.731634	ENSMUSG0 Ube2v2
ENSMUSG0	176.8923	-0.24781	0.21475	-1.15397	0.248514	0.731772	ENSMUSG0 Ccdc62
ENSMUSG0	27.74233	1.089948	0.944549	1.153934	0.248527	0.731772	ENSMUSG0 Apol7e
ENSMUSG0	222.2192	-0.22314	0.193429	-1.15361	0.248662	0.732057	ENSMUSG0 Slc10a3
ENSMUSG0	260.3801	-0.41715	0.361643	-1.1535	0.248706	0.732076	ENSMUSG0 Slc16a6
ENSMUSG0	36.27251	0.456393	0.39573	1.153294	0.24879	0.732103	ENSMUSG0 Fign
ENSMUSG0	715.8207	0.224942	0.195048	1.153265	0.248802	0.732103	ENSMUSG0 Frk
ENSMUSG0	932.0416	-0.21578	0.187112	-1.1532	0.24883	0.732103	ENSMUSG0 Gprc5c
ENSMUSG0	293.2441	0.191086	0.165726	1.153024	0.248901	0.732199	ENSMUSG0 Zfp653
ENSMUSG0	379.9236	-0.2109	0.182948	-1.15277	0.249005	0.732286	ENSMUSG0 Msl3l2
ENSMUSG0	2080.518	0.16631	0.14427	1.152767	0.249006	0.732286	ENSMUSG0 Diaph1
ENSMUSG0	35.68467	0.545976	0.4737	1.152578	0.249084	0.732322	ENSMUSG0 Card9
ENSMUSG0	518.5135	0.144634	0.125491	1.152552	0.249094	0.732322	ENSMUSG0 Prmt7
ENSMUSG0	82.07231	0.327669	0.284375	1.152243	0.249221	0.732496	ENSMUSG0 Boc
ENSMUSG0	3439.633	-0.24601	0.213547	-1.15199	0.249324	0.732496	ENSMUSG0 Pck2
ENSMUSG0	185.9463	0.290879	0.252503	1.151984	0.249328	0.732496	ENSMUSG0 Zfp354c
ENSMUSG0	202.8408	0.543421	0.47174	1.151951	0.249341	0.732496	ENSMUSG0 Kihl6
ENSMUSG0	276.9753	-0.25956	0.225329	-1.15194	0.249347	0.732496	ENSMUSG0 Mfsd8
ENSMUSG0	14.90777	-0.50605	0.439335	-1.15185	0.249382	0.732496	ENSMUSG09430060I03
ENSMUSG0	4.266321	0.825286	0.716565	1.151726	0.249434	0.732535	ENSMUSG0 Gm12416
ENSMUSG0	8.551047	-0.68363	0.593701	-1.15147	0.249539	0.732734	ENSMUSG0 Gm28496
ENSMUSG0	437.8034	0.399501	0.347167	1.150748	0.249836	0.733492	ENSMUSG0 Net1
ENSMUSG0	452.5183	-0.25644	0.222868	-1.15065	0.249876	0.733497	ENSMUSG0 Usp42
ENSMUSG0	142.177	-0.36027	0.31316	-1.15044	0.249963	0.733642	ENSMUSG0A930005H1
ENSMUSG0	88.61004	0.348469	0.302947	1.150263	0.250036	0.733743	ENSMUSG0 Hey1
ENSMUSG0	3905.562	-0.18308	0.159212	-1.14994	0.25017	0.734024	ENSMUSG0 Tagln2
ENSMUSG0	1019.696	-0.25975	0.225921	-1.14975	0.250246	0.734044	ENSMUSG0 Gnai1
ENSMUSG0	21.42704	1.009572	0.87809	1.149736	0.250253	0.734044	ENSMUSG0 Cacna1s
ENSMUSG0	113.2818	-0.24788	0.215629	-1.14958	0.250316	0.734118	ENSMUSG0 Zfp934
ENSMUSG0	325.5074	0.216897	0.188703	1.149413	0.250386	0.73421	ENSMUSG0 Wtip
ENSMUSG0	105.5224	0.38283	0.333145	1.14914	0.250498	0.734326	ENSMUSG0 Renbp
ENSMUSG0	166.4629	0.258229	0.224717	1.149132	0.250502	0.734326	ENSMUSG0 Bend5
ENSMUSG0	15.19541	0.694517	0.604622	1.14868	0.250688	0.734568	ENSMUSG0 A3galt2
ENSMUSG0	343.1823	-0.36059	0.313938	-1.14861	0.250716	0.734568	ENSMUSG0 Maskbp3
ENSMUSG0	173.3523	0.35739	0.311161	1.148568	0.250734	0.734568	ENSMUSG0 Abcg2
ENSMUSG0	1597.317	-0.29394	0.255968	-1.14836	0.250822	0.734568	ENSMUSG0 Pdcd6
ENSMUSG0	11.54707	0.663718	0.578153	1.147997	0.25097	0.734568	ENSMUSG0 Etaa1os
ENSMUSG0	447.0371	-0.23826	0.207543	-1.14798	0.250976	0.734568	ENSMUSG0 Aptx
ENSMUSG0	2301.928	-0.32025	0.278977	-1.14795	0.25099	0.734568	ENSMUSG0 Acat1
ENSMUSG0	93.1501	-2.15746	1.879451	-1.14792	0.251002	0.734568	ENSMUSG0 Gm20458
ENSMUSG0	2555.555	-0.30068	0.261947	-1.14787	0.251023	0.734568	ENSMUSG0 Ankrd12
ENSMUSG0	711.8146	-0.24237	0.211171	-1.14775	0.251071	0.734568	ENSMUSG0 Cacnb2

ENSMUSG0	41.73231	-0.59252	0.516369	-1.14747	0.251189	0.734568	ENSMUSG05330406M1
ENSMUSG0	104.1632	0.29212	0.254582	1.147448	0.251197	0.734568	ENSMUSG0Slc22a4
ENSMUSG0	17.69806	0.529304	0.461365	1.147256	0.251276	0.734568	ENSMUSG0Gm49493
ENSMUSG0	1316.583	-0.2944	0.256637	-1.14716	0.251314	0.734568	ENSMUSG0Arxes2
ENSMUSG0	229.5321	0.194569	0.169618	1.147101	0.25134	0.734568	ENSMUSG0Zfp772
ENSMUSG0	106.0542	0.481673	0.419913	1.14708	0.251348	0.734568	ENSMUSG0Pcdhga4
ENSMUSG0	19.07177	-0.53234	0.464093	-1.14705	0.251363	0.734568	ENSMUSG0Hes7
ENSMUSG0	1636.996	-0.16033	0.139785	-1.14701	0.251379	0.734568	ENSMUSG0Lamtor1
ENSMUSG0	11.39661	-0.62524	0.545114	-1.14699	0.251386	0.734568	ENSMUSG09430002A1
ENSMUSG0	40.19877	0.475047	0.414191	1.146927	0.251412	0.734568	ENSMUSG0Zfp808
ENSMUSG0	867.6443	0.289386	0.252317	1.146913	0.251417	0.734568	ENSMUSG0Cbx4
ENSMUSG0	18.4614	-0.51142	0.445946	-1.14682	0.251454	0.734568	ENSMUSG0Fem1a1
ENSMUSG0	3317.208	-0.2958	0.257931	-1.1468	0.251462	0.734568	ENSMUSG0Serpina10
ENSMUSG0	6299.203	0.245445	0.214086	1.146477	0.251598	0.734852	ENSMUSG0Tuba1b
ENSMUSG0	1698.76	-0.16392	0.142998	-1.14629	0.251675	0.734886	ENSMUSG0Kars
ENSMUSG0	20.3136	0.504607	0.440244	1.1462	0.251713	0.734886	ENSMUSG0Sox11
ENSMUSG0	246.4672	-0.21698	0.189312	-1.14617	0.251724	0.734886	ENSMUSG0Slc35d1
ENSMUSG0	53.27377	-0.53648	0.468154	-1.14596	0.251813	0.735033	ENSMUSG0Cxcl2
ENSMUSG0	4366.911	-0.27004	0.235755	-1.14543	0.25203	0.735429	ENSMUSG0Lrp11
ENSMUSG0	293.9014	-0.17796	0.155402	-1.14516	0.252142	0.735429	ENSMUSG0Borcs5
ENSMUSG0	699.28	-0.23136	0.202049	-1.14508	0.252178	0.735429	ENSMUSG0Tmem208
ENSMUSG0	200.9496	-0.19686	0.171938	-1.14497	0.252223	0.735429	ENSMUSG0Rita1
ENSMUSG0	1587.968	-0.31501	0.275138	-1.14491	0.252246	0.735429	ENSMUSG0Tent5a
ENSMUSG0	336.9472	-0.32813	0.28662	-1.14483	0.25228	0.735429	ENSMUSG0H4c8
ENSMUSG0	42.17859	-1.28817	1.125358	-1.14468	0.252343	0.735429	ENSMUSG0Fgf21
ENSMUSG0	15.19181	0.494905	0.432361	1.144657	0.252351	0.735429	ENSMUSG0B230206L0
ENSMUSG0	2.937665	-1.46205	1.277422	-1.14453	0.252402	0.735429	ENSMUSG0Gm12229
ENSMUSG0	969.7162	-0.31819	0.278016	-1.14451	0.252413	0.735429	ENSMUSG0Bud31
ENSMUSG0	86.02957	-0.3294	0.287827	-1.14444	0.25244	0.735429	ENSMUSG0Ly96
ENSMUSG0	723.3083	0.169527	0.148147	1.144313	0.252494	0.735429	ENSMUSG0Spout1
ENSMUSG0	4.090482	-1.18818	1.038385	-1.14426	0.252516	0.735429	ENSMUSG0Gm10048
ENSMUSG0	901.409	-0.37067	0.323947	-1.14425	0.252522	0.735429	ENSMUSG0Snrrp27
ENSMUSG0	71.45002	0.352688	0.308273	1.144077	0.252592	0.735457	ENSMUSG0Plekhhg6
ENSMUSG0	779.2022	-0.20113	0.175814	-1.14397	0.252636	0.735457	ENSMUSG0Nabp2
ENSMUSG0	4945.083	-0.17884	0.156335	-1.14393	0.252652	0.735457	ENSMUSG0Cope
ENSMUSG0	7.522041	0.797333	0.697127	1.143741	0.252731	0.735457	ENSMUSG0Gm7972
ENSMUSG0	2576.389	-0.19993	0.174819	-1.14366	0.252763	0.735457	ENSMUSG0Phyh
ENSMUSG0	391.2556	-0.2351	0.205578	-1.14362	0.252783	0.735457	ENSMUSG0Lyar
ENSMUSG0	786.0582	0.66175	0.578677	1.143557	0.252808	0.735457	ENSMUSG0Tnfaip3
ENSMUSG0	1710.139	0.261999	0.229123	1.143485	0.252837	0.735457	ENSMUSG0Cfap36
ENSMUSG0	536.9053	-0.15704	0.137348	-1.14337	0.252883	0.73548	ENSMUSG0Pwp1
ENSMUSG0	15.19405	0.82727	0.723608	1.143257	0.252932	0.73551	ENSMUSG05033428122
ENSMUSG0	774.6354	0.193143	0.168971	1.143051	0.253018	0.735585	ENSMUSG0Tnip1
ENSMUSG0	26.75088	-0.60616	0.530324	-1.14299	0.253042	0.735585	ENSMUSG0Gm14443
ENSMUSG0	42.12688	0.383675	0.335715	1.142857	0.253098	0.735585	ENSMUSG0Al839979
ENSMUSG0	182.5467	-0.26444	0.231394	-1.14283	0.253111	0.735585	ENSMUSG0Gm49338
ENSMUSG0	243.2816	0.217561	0.19041	1.142595	0.253207	0.735729	ENSMUSG0Pms2
ENSMUSG0	168.6509	-0.30563	0.267511	-1.1425	0.253247	0.735729	ENSMUSG0Zfp51
ENSMUSG0	4.114884	-1.12312	0.9831	-1.14243	0.253275	0.735729	ENSMUSG0Gm17597
ENSMUSG0	408.0832	-0.21277	0.186274	-1.14225	0.253351	0.735837	ENSMUSG0Urb1
ENSMUSG0	4.917178	1.039365	0.910107	1.142025	0.253444	0.735945	ENSMUSG0Gm43961
ENSMUSG0	4.093992	1.731542	1.516466	1.141827	0.253526	0.735945	ENSMUSG0Wnt2b

ENSMUSG0	3990.049	-0.20151	0.176482	-1.14182	0.253529	0.735945	ENSMUSG0 Vps35
ENSMUSG0	58.76857	-0.32924	0.288351	-1.14179	0.253541	0.735945	ENSMUSG0 Gm20632
ENSMUSG0	427.764	0.279973	0.245278	1.141452	0.253682	0.736166	ENSMUSG0 Topbp1
ENSMUSG0	468.2635	-0.22179	0.19431	-1.14142	0.253693	0.736166	ENSMUSG0 Tgds
ENSMUSG0	679.8571	0.209011	0.183169	1.141083	0.253836	0.7364	ENSMUSG0 Rbms1
ENSMUSG0	1861.541	-0.33731	0.295636	-1.14096	0.253885	0.7364	ENSMUSG0 Cox7a2
ENSMUSG0	3.298901	-1.19728	1.049371	-1.14095	0.253889	0.7364	ENSMUSG0 Mir703
ENSMUSG0	88.22385	0.454607	0.398514	1.140755	0.253972	0.73653	ENSMUSG0 Ano7
ENSMUSG0	1936.659	0.163326	0.143193	1.140597	0.254038	0.736609	ENSMUSG0 Fbxl5
ENSMUSG0	412.1028	0.588152	0.515725	1.140437	0.254104	0.736692	ENSMUSG0 Sash3
ENSMUSG0	132.7858	-0.20591	0.180588	-1.14025	0.254184	0.736782	ENSMUSG0 Zfp341
ENSMUSG0	89.10035	0.476536	0.417978	1.140097	0.254246	0.736782	ENSMUSG0 H2-T10
ENSMUSG0	1034.669	0.359873	0.315655	1.140086	0.25425	0.736782	ENSMUSG0 Gm17018
ENSMUSG0	457.7287	0.203923	0.178915	1.139779	0.254378	0.736799	ENSMUSG0 Gpc1
ENSMUSG0	89.42008	0.44754	0.392672	1.139729	0.254399	0.736799	ENSMUSG0 F5
ENSMUSG0	22.69889	-0.54076	0.474466	-1.13972	0.254405	0.736799	ENSMUSG0 Mfsd4b3-p
ENSMUSG0	1013.058	-0.252	0.221108	-1.1397	0.254409	0.736799	ENSMUSG0 Jagn1
ENSMUSG0	290.1537	0.185529	0.162828	1.139417	0.254529	0.737035	ENSMUSG0 Sh2d5
ENSMUSG0	569.8999	-0.17667	0.155073	-1.13929	0.254581	0.737074	ENSMUSG0 Zfp672
ENSMUSG0	608.3921	0.202095	0.177406	1.139165	0.254635	0.737118	ENSMUSG0 Mex3c
ENSMUSG0	6.907004	0.780829	0.685739	1.138669	0.254841	0.737369	ENSMUSG0 Atcayos
ENSMUSG0	169.2625	0.228378	0.200578	1.138598	0.254871	0.737369	ENSMUSG0 Zfp933
ENSMUSG0	396.3265	-0.20314	0.178425	-1.13852	0.254904	0.737369	ENSMUSG0 Hmgcll1
ENSMUSG0	1836.475	-0.19089	0.167674	-1.13846	0.25493	0.737369	ENSMUSG0 Jade1
ENSMUSG0	46.48017	0.293006	0.257374	1.138442	0.254936	0.737369	ENSMUSG0 Mycn
ENSMUSG0	700.3182	-0.20125	0.176793	-1.13836	0.25497	0.737369	ENSMUSG0 Agpat5
ENSMUSG0	757.4819	-0.18677	0.164083	-1.13825	0.255014	0.737369	ENSMUSG0 Rpia
ENSMUSG0	2120.415	-0.24297	0.213482	-1.13815	0.255058	0.737369	ENSMUSG0 Baz2b
ENSMUSG0	151.6935	0.754767	0.663164	1.13813	0.255066	0.737369	ENSMUSG0 Nlrc5
ENSMUSG0	3.138864	-1.89283	1.663348	-1.13796	0.255136	0.73746	ENSMUSG0 Acot12
ENSMUSG0	266.1705	0.471383	0.414295	1.137797	0.255205	0.73755	ENSMUSG0 Arid5a
ENSMUSG0	3.216146	-1.63168	1.434201	-1.13769	0.255248	0.737562	ENSMUSG0 Trim40
ENSMUSG0	2093.218	-0.40919	0.359729	-1.1375	0.255328	0.737682	ENSMUSG0 Rwd1
ENSMUSG0	5.138507	-0.81489	0.716502	-1.13731	0.255408	0.737697	ENSMUSG0 Gm6983
ENSMUSG0	8.291929	-1.04929	0.922875	-1.13698	0.255548	0.737697	ENSMUSG0 Gm37297
ENSMUSG0	3.524939	-0.91714	0.806663	-1.13696	0.255556	0.737697	ENSMUSG0 Gm15247
ENSMUSG0	2840.788	0.265237	0.23331	1.136841	0.255605	0.737697	ENSMUSG0 Arhgef1
ENSMUSG0	767.6122	-0.20624	0.181423	-1.13678	0.255629	0.737697	ENSMUSG0 Eif2s1
ENSMUSG0	176447.9	-1.27481	1.121558	-1.13664	0.255689	0.737697	ENSMUSG0 Cel
ENSMUSG0	7.461442	0.698228	0.614359	1.136515	0.255741	0.737697	ENSMUSG0 170000102
ENSMUSG0	4.536941	-1.05553	0.928769	-1.13648	0.255756	0.737697	ENSMUSG0 Tcp10b
ENSMUSG0	5.06524	1.155337	1.016599	1.136473	0.255759	0.737697	ENSMUSG0 Hmx2
ENSMUSG0	14.38671	-1.08735	0.957008	-1.1362	0.255874	0.737697	ENSMUSG0 Smpd13b
ENSMUSG0	4.829071	1.043476	0.918428	1.136155	0.255892	0.737697	ENSMUSG0 Gm18562
ENSMUSG0	40.80226	1.024112	0.901417	1.136114	0.255909	0.737697	ENSMUSG0 Cxcr6
ENSMUSG0	468.5309	-0.31544	0.277653	-1.1361	0.255915	0.737697	ENSMUSG0 Ush2a
ENSMUSG0	2041.64	-0.29578	0.260372	-1.13599	0.255961	0.737697	ENSMUSG0 Upf3b
ENSMUSG0	58.92961	0.413314	0.363839	1.135979	0.255965	0.737697	ENSMUSG0 Cdh24
ENSMUSG0	701.505	0.295565	0.260193	1.135947	0.255979	0.737697	ENSMUSG0 Fam241b
ENSMUSG0	128.4714	-0.33468	0.294635	-1.13593	0.255985	0.737697	ENSMUSG0 Trp53rkb
ENSMUSG0	1982.978	0.362407	0.319076	1.135802	0.256039	0.737733	ENSMUSG0 Top2b
ENSMUSG0	4.114892	1.125571	0.991064	1.135719	0.256074	0.737733	ENSMUSG0 Dpys

ENSMUSG0	4726.228	-0.1927	0.169712	-1.13548	0.256174	0.737845	ENSMUSG0 Ddr1
ENSMUSG0	1340.576	-0.20123	0.177234	-1.13538	0.256217	0.737845	ENSMUSG0 Rhot2
ENSMUSG0	14.72095	-0.67169	0.591613	-1.13535	0.256228	0.737845	ENSMUSG0 Gm42888
ENSMUSG0	182.4239	0.247717	0.21829	1.13481	0.256455	0.738301	ENSMUSG0 Rab2b
ENSMUSG0	806.167	-0.33507	0.295272	-1.13479	0.256463	0.738301	ENSMUSG0 Mrps14
ENSMUSG0	392.3497	0.155405	0.136976	1.134537	0.256569	0.738496	ENSMUSG0 Rngtt
ENSMUSG0	7012.92	-0.2211	0.194905	-1.13438	0.256634	0.738572	ENSMUSG0 Ids
ENSMUSG0	3.279636	1.150334	1.014311	1.134104	0.256751	0.738757	ENSMUSG0 Gm43653
ENSMUSG0	613.478	-0.19102	0.168447	-1.13403	0.256783	0.738757	ENSMUSG0 Scrn3
ENSMUSG0	841.6419	-0.30963	0.27307	-1.13388	0.256843	0.738757	ENSMUSG0 Kcnh6
ENSMUSG0	49.98481	0.53513	0.471975	1.133809	0.256875	0.738757	ENSMUSG0 Sox17
ENSMUSG0	751.1962	-0.26664	0.235178	-1.13377	0.256891	0.738757	ENSMUSG0 Fkrp
ENSMUSG0	1006.653	0.237817	0.209792	1.133584	0.256969	0.738873	ENSMUSG0 Capza1
ENSMUSG0	20.53044	-0.57814	0.510144	-1.13328	0.257095	0.739117	ENSMUSG0 Gm5112
ENSMUSG0	211.3028	-0.5433	0.479442	-1.1332	0.257131	0.739117	ENSMUSG0 Usp51
ENSMUSG0	1888.26	0.20493	0.180916	1.132736	0.257325	0.739385	ENSMUSG0 Kif13b
ENSMUSG0	10.13351	0.663561	0.585857	1.132633	0.257368	0.739385	ENSMUSG0 Srms
ENSMUSG0	5580.204	-0.20937	0.184856	-1.13262	0.257373	0.739385	ENSMUSG0 Ssr3
ENSMUSG0	13.60383	0.617681	0.545368	1.132594	0.257385	0.739385	ENSMUSG0 Rnf225
ENSMUSG0	9.980111	1.049194	0.926425	1.132519	0.257416	0.739385	ENSMUSG0 Rtn4rl2
ENSMUSG0	3.581615	-1.57643	1.392297	-1.13225	0.257529	0.739408	ENSMUSG0 Gm47340
ENSMUSG0	44.25348	0.384198	0.339368	1.1321	0.257592	0.739408	ENSMUSG0 Rnd1
ENSMUSG0	648.7021	-0.20047	0.177087	-1.13206	0.257608	0.739408	ENSMUSG0 Grhpr
ENSMUSG0	921.073	-0.20534	0.18139	-1.13205	0.257612	0.739408	ENSMUSG0 Nup214
ENSMUSG0	2891.061	0.154586	0.136561	1.131992	0.257638	0.739408	ENSMUSG0 Snap25
ENSMUSG0	1188.563	-0.19452	0.171845	-1.13195	0.257655	0.739408	ENSMUSG0 Cr1l
ENSMUSG0	35.53811	0.354827	0.313594	1.131484	0.257851	0.739701	ENSMUSG0 Catsperd
ENSMUSG0	100.6821	-0.64604	0.570973	-1.13148	0.257853	0.739701	ENSMUSG0 Casp1
ENSMUSG0	8.674648	1.023693	0.90505	1.131089	0.258017	0.739701	ENSMUSG0 Hoxd4
ENSMUSG0	230.4568	-0.25747	0.227654	-1.13098	0.258061	0.739701	ENSMUSG0 Zfp775
ENSMUSG0	202.0619	0.509779	0.45074	1.130982	0.258063	0.739701	ENSMUSG0 Galnt6
ENSMUSG0	3.273396	1.327751	1.174009	1.130955	0.258074	0.739701	ENSMUSG0 Vamp9
ENSMUSG0	1167.329	-0.19714	0.174327	-1.13084	0.258121	0.739701	ENSMUSG0 Diablo
ENSMUSG0	193.0114	0.23753	0.210048	1.130837	0.258124	0.739701	ENSMUSG0 Afap1l1
ENSMUSG0	1605.08	-0.27763	0.245515	-1.13081	0.258134	0.739701	ENSMUSG0 Skap1
ENSMUSG0	4251.766	-0.17634	0.155979	-1.13057	0.258238	0.739701	ENSMUSG0 Ip6k2
ENSMUSG0	435.979	-0.23269	0.20584	-1.13045	0.258286	0.739701	ENSMUSG0 Gpatch11
ENSMUSG0	224.3345	0.294422	0.260488	1.13027	0.258362	0.739701	ENSMUSG0 Ufsp1
ENSMUSG0	510.4743	-0.16777	0.148443	-1.13018	0.258399	0.739701	ENSMUSG0 Iqcb1
ENSMUSG0	1299.47	0.188282	0.166604	1.130118	0.258427	0.739701	ENSMUSG0 Virma
ENSMUSG0	70.05358	-0.33704	0.298244	-1.13008	0.258442	0.739701	ENSMUSG0 Tmem265
ENSMUSG0	4.827267	1.460972	1.292877	1.130016	0.258469	0.739701	ENSMUSG0 Cryaa
ENSMUSG0	509.3669	-0.18702	0.16552	-1.12989	0.258524	0.739701	ENSMUSG0 Timmdc1
ENSMUSG0	4.328253	1.2132	1.073795	1.129824	0.25855	0.739701	ENSMUSG0 Gm15283
ENSMUSG0	385.1145	-0.5147	0.455613	-1.12969	0.258609	0.739701	ENSMUSG0 Derl3
ENSMUSG0	206.3019	-0.26725	0.236596	-1.12958	0.258652	0.739701	ENSMUSG0 Sh3d21
ENSMUSG0	179.7402	-0.2617	0.231685	-1.12955	0.258665	0.739701	ENSMUSG0 Jrk
ENSMUSG0	3.310035	-1.26238	1.117611	-1.12953	0.258674	0.739701	ENSMUSG0 Ighv1-61
ENSMUSG0	7.997117	0.958193	0.848328	1.129507	0.258684	0.739701	ENSMUSG0 A930038B1
ENSMUSG0	6.431446	-0.78107	0.691541	-1.12946	0.258702	0.739701	ENSMUSG0 Gm48266
ENSMUSG0	1538.082	-0.15366	0.136053	-1.12938	0.258736	0.739701	ENSMUSG0 Stk16
ENSMUSG0	9.976484	0.78733	0.697203	1.12927	0.258784	0.739701	ENSMUSG0 Clca3a2

ENSMUSG0	22.76512	0.510458	0.452038	1.129236	0.258798	0.739701	ENSMUSG0 Cbln4
ENSMUSG0	1321.334	-0.15181	0.134449	-1.12915	0.258834	0.739701	ENSMUSG0 Map3k10
ENSMUSG0	1352.148	-0.32712	0.289767	-1.1289	0.258941	0.739897	ENSMUSG0 Smim1
ENSMUSG0	59.74368	0.484513	0.429276	1.128675	0.259035	0.740056	ENSMUSG0 Thsd1
ENSMUSG0	1206.583	-0.41078	0.364013	-1.12847	0.259121	0.740112	ENSMUSG0 Arhgdig
ENSMUSG0	360.0643	0.217598	0.192829	1.128446	0.259131	0.740112	ENSMUSG0 Cacng4
ENSMUSG0	419.3952	-0.28758	0.254891	-1.12826	0.259209	0.74022	ENSMUSG0 Ormdl2
ENSMUSG0	48.13477	-0.46215	0.40965	-1.12816	0.259252	0.74022	ENSMUSG0 Gm37968
ENSMUSG0	97.40773	0.294078	0.260688	1.128083	0.259285	0.74022	ENSMUSG0 Pcdhb17
ENSMUSG0	1113.405	0.132972	0.117894	1.127894	0.259365	0.74024	ENSMUSG0 Chpf2
ENSMUSG0	4.787521	1.025156	0.909063	1.127706	0.259444	0.74024	ENSMUSG0 Lipg
ENSMUSG0	3316.405	-0.15179	0.134605	-1.12764	0.259471	0.74024	ENSMUSG0 Maz
ENSMUSG0	1757.844	-0.25937	0.230015	-1.12763	0.259477	0.74024	ENSMUSG0 Raver1
ENSMUSG0	74.92171	0.722998	0.641195	1.127579	0.259498	0.74024	ENSMUSG0 Siglech
ENSMUSG0	58.10457	0.355423	0.315227	1.127517	0.259524	0.74024	ENSMUSG0 Fank1
ENSMUSG0	10.59144	1.170848	1.038512	1.127429	0.259561	0.74024	ENSMUSG0 Xcl1
ENSMUSG0	17.58902	-0.48823	0.433136	-1.1272	0.259657	0.740324	ENSMUSG0 Zfp473
ENSMUSG0	4.252503	1.399836	1.241895	1.127177	0.259668	0.740324	ENSMUSG0 Tg
ENSMUSG0	5.121528	1.15147	1.021767	1.12694	0.259768	0.7405	ENSMUSG02010016118
ENSMUSG0	827.9254	-0.18482	0.164043	-1.12664	0.259894	0.740526	ENSMUSG0 Abi2
ENSMUSG0	32.83293	0.640321	0.568408	1.126517	0.259947	0.740526	ENSMUSG0 Acsbg1
ENSMUSG0	26.26136	0.836776	0.742813	1.126496	0.259956	0.740526	ENSMUSG0 Gata3
ENSMUSG0	10.81313	-0.71222	0.632244	-1.1265	0.259956	0.740526	ENSMUSG0 Pou5f2
ENSMUSG0	80.35174	0.251724	0.223464	1.126464	0.259969	0.740526	ENSMUSG0 Pcdhb18
ENSMUSG0	55.33619	-0.36506	0.324151	-1.1262	0.260083	0.74066	ENSMUSG04732496C0
ENSMUSG0	9.264118	-0.78285	0.695181	-1.12611	0.260121	0.74066	ENSMUSG0 Gm12366
ENSMUSG0	723.6101	0.385152	0.342029	1.126079	0.260132	0.74066	ENSMUSG0 Hes1
ENSMUSG0	6.188173	1.021618	0.907598	1.125629	0.260323	0.740992	ENSMUSG0 Cav3
ENSMUSG0	1733.803	-0.26546	0.23585	-1.12554	0.260362	0.740992	ENSMUSG0 Hapln4
ENSMUSG0	2500.775	0.418212	0.371685	1.125177	0.260514	0.741309	ENSMUSG0 Tnr
ENSMUSG0	1019.159	-0.2819	0.25061	-1.12487	0.260646	0.741574	ENSMUSG0 Vldlr
ENSMUSG0	6152.406	-0.25781	0.229243	-1.12463	0.260744	0.741716	ENSMUSG0 Smim14
ENSMUSG0	603.0372	-0.14627	0.130093	-1.12438	0.260851	0.741716	ENSMUSG0 Mthfsd
ENSMUSG0	757.6851	0.166854	0.148408	1.124292	0.260889	0.741716	ENSMUSG0 Ankrd46
ENSMUSG0	87.31945	0.327746	0.291522	1.124256	0.260905	0.741716	ENSMUSG0 Zgrf1
ENSMUSG0	3516.939	-0.29515	0.262578	-1.12406	0.260989	0.741716	ENSMUSG0 Sumo2
ENSMUSG0	285.5325	-0.17598	0.156569	-1.12399	0.261015	0.741716	ENSMUSG0 Zfp13
ENSMUSG0	436.5656	-0.22151	0.197083	-1.12396	0.261028	0.741716	ENSMUSG0 Nipsnap3b
ENSMUSG0	107.6122	-0.34959	0.311052	-1.1239	0.261057	0.741716	ENSMUSG0 Gm49599
ENSMUSG0	18.55895	-0.81447	0.724682	-1.1239	0.261057	0.741716	ENSMUSG0 Areg
ENSMUSG0	6.443496	0.864211	0.769042	1.123749	0.261119	0.741716	ENSMUSG0 Popdc2
ENSMUSG0	2223.416	0.143757	0.127926	1.123748	0.26112	0.741716	ENSMUSG0 Septin9
ENSMUSG0	646.8165	-0.28706	0.255498	-1.12354	0.26121	0.741862	ENSMUSG0 Bphl
ENSMUSG0	149.099	0.343026	0.305389	1.123242	0.261335	0.741999	ENSMUSG0 Ift43
ENSMUSG0	271.2501	0.481488	0.428716	1.123094	0.261398	0.741999	ENSMUSG0 Ppp1r16b
ENSMUSG0	664.6287	-0.20155	0.179461	-1.12309	0.261398	0.741999	ENSMUSG0 Mthfd1l
ENSMUSG0	44.71452	0.347596	0.309508	1.123059	0.261412	0.741999	ENSMUSG0 Ankrd34a
ENSMUSG0	8.861571	0.666495	0.593652	1.122702	0.261564	0.742267	ENSMUSG0 Coro6
ENSMUSG0	40351.36	-0.23863	0.212562	-1.12266	0.261584	0.742267	ENSMUSG0 Chgb
ENSMUSG0	410.4933	-0.18377	0.163721	-1.12245	0.26167	0.742277	ENSMUSG0 Abhd11
ENSMUSG0	20.62545	0.494847	0.440865	1.122445	0.261673	0.742277	ENSMUSG0 Ak7
ENSMUSG0	8.830586	-0.57404	0.51145	-1.12237	0.261703	0.742277	ENSMUSG04930505A0

ENSMUSG0	9.300897	-1.00566	0.89616	-1.12219	0.261781	0.742388	ENSMUSG0 Gm10719
ENSMUSG0	2008.663	-0.3062	0.272917	-1.12196	0.261878	0.742449	ENSMUSG0 Nipal1
ENSMUSG0	4.558249	1.206315	1.075186	1.12196	0.26188	0.742449	ENSMUSG0 Trh
ENSMUSG0	469.9729	0.16288	0.145217	1.121634	0.262018	0.742732	ENSMUSG0 Meis1
ENSMUSG0	50.42993	0.720629	0.642587	1.12145	0.262096	0.742844	ENSMUSG0 Cd96
ENSMUSG0	2183.848	-0.14938	0.133222	-1.12132	0.26215	0.742888	ENSMUSG0 Pja1
ENSMUSG0	501.5426	0.332314	0.296451	1.120973	0.262299	0.743201	ENSMUSG0 Leo1
ENSMUSG0	46.61059	0.562925	0.502299	1.120699	0.262416	0.743422	ENSMUSG0 Mmp17
ENSMUSG0	256.9632	-0.20533	0.183244	-1.12051	0.262498	0.743545	ENSMUSG0 Ulk4
ENSMUSG0	276.986	0.166278	0.148462	1.120006	0.262711	0.743951	ENSMUSG0 Zkscan5
ENSMUSG0	197.0251	-0.25141	0.224472	-1.11999	0.262719	0.743951	ENSMUSG0 Morc4
ENSMUSG0	3.233865	-1.29058	1.152517	-1.11979	0.262804	0.744082	ENSMUSG0 C4bp-ps1
ENSMUSG0	81.67437	-0.54871	0.490205	-1.11935	0.262992	0.744161	ENSMUSG0 Prodh
ENSMUSG0	233.4567	0.305704	0.273155	1.119159	0.263072	0.744161	ENSMUSG0 Praf2
ENSMUSG0	142.9585	0.292649	0.261494	1.119141	0.26308	0.744161	ENSMUSG0 Zscan20
ENSMUSG0	3177.694	-0.14813	0.132367	-1.11909	0.2631	0.744161	ENSMUSG0 Srebfb2
ENSMUSG0	4686.647	-0.19196	0.171569	-1.11883	0.263214	0.744161	ENSMUSG0 Tpd52
ENSMUSG0	5.847693	-1.05335	0.941494	-1.11881	0.263223	0.744161	ENSMUSG0 Phxr4
ENSMUSG0	17.63602	-0.51978	0.464642	-1.11868	0.263278	0.744161	ENSMUSG0 Gm42770
ENSMUSG0	7933.119	-0.29429	0.263077	-1.11867	0.263283	0.744161	ENSMUSG0 Rpl32
ENSMUSG0	5.797832	1.002565	0.896312	1.118544	0.263335	0.744161	ENSMUSG0 Cd163l1
ENSMUSG0	123.9176	0.281383	0.251576	1.118483	0.263361	0.744161	ENSMUSG0 Rab13
ENSMUSG0	235.331	0.335855	0.300305	1.118381	0.263404	0.744161	ENSMUSG0 Dapp1
ENSMUSG0	5261.253	-0.14571	0.130298	-1.1183	0.263438	0.744161	ENSMUSG0 Srsf6
ENSMUSG0	4.858607	-1.31923	1.179754	-1.11823	0.26347	0.744161	ENSMUSG0 Gm1070
ENSMUSG0	85.96358	-0.58651	0.524518	-1.11819	0.263486	0.744161	ENSMUSG0 Cfp54
ENSMUSG0	3.746722	-0.89431	0.79979	-1.11818	0.263488	0.744161	ENSMUSG0 Gm26696
ENSMUSG0	80.5766	0.289226	0.258658	1.118182	0.263489	0.744161	ENSMUSG03222401L1
ENSMUSG0	12.88363	-0.54814	0.490316	-1.11793	0.263598	0.744359	ENSMUSG0 Gm44291
ENSMUSG0	10291.62	0.352786	0.315653	1.117641	0.26372	0.744372	ENSMUSG0 Xist
ENSMUSG0	1831.815	-0.23287	0.208371	-1.11759	0.26374	0.744372	ENSMUSG0 Emc7
ENSMUSG0	202.0632	-0.2793	0.249924	-1.11753	0.263768	0.744372	ENSMUSG0 Msh5
ENSMUSG0	54.56344	-0.33314	0.298115	-1.11748	0.263791	0.744372	ENSMUSG0 Zp2
ENSMUSG0	3.509393	-1.07473	0.961785	-1.11743	0.26381	0.744372	ENSMUSG0 Wdr46-ps
ENSMUSG0	205.9095	0.189677	0.169762	1.117308	0.263863	0.744372	ENSMUSG0 Phldb3
ENSMUSG0	999.3401	-0.15281	0.136769	-1.11728	0.263874	0.744372	ENSMUSG0 Hira
ENSMUSG0	113.9268	-0.22217	0.198887	-1.11706	0.26397	0.744534	ENSMUSG0 Gm49463
ENSMUSG0	15.10137	-0.6561	0.587517	-1.11673	0.26411	0.744804	ENSMUSG031100800C
ENSMUSG0	883.7788	0.256205	0.22944	1.116652	0.264143	0.744804	ENSMUSG0 Gm20605
ENSMUSG0	4.250548	-0.93986	0.841768	-1.11653	0.264196	0.744816	ENSMUSG0 Gm16477
ENSMUSG0	46.02608	-0.53754	0.481548	-1.11627	0.264308	0.744816	ENSMUSG0 Gsdma
ENSMUSG0	1991.848	-0.18883	0.169167	-1.11626	0.264312	0.744816	ENSMUSG0 Arhgap1
ENSMUSG0	567.3877	-0.17778	0.159294	-1.11608	0.264387	0.744816	ENSMUSG0 Slc12a9
ENSMUSG0	738.2018	0.13038	0.116827	1.116015	0.264416	0.744816	ENSMUSG0 Rbmxl1
ENSMUSG0	22.30791	0.490104	0.439156	1.116013	0.264417	0.744816	ENSMUSG0 Spaca1
ENSMUSG0	2497.863	0.509773	0.456782	1.116009	0.264418	0.744816	ENSMUSG0 Vim
ENSMUSG0	401.4221	-0.31986	0.286672	-1.11576	0.264524	0.745006	ENSMUSG0 Mplkip
ENSMUSG0	29.84255	0.413195	0.370412	1.115501	0.264636	0.745097	ENSMUSG0 C1qtnf2
ENSMUSG0	58.79847	0.895256	0.80265	1.115375	0.26469	0.745097	ENSMUSG0 Izumo1r
ENSMUSG0	33.27353	-0.43606	0.390985	-1.11529	0.264728	0.745097	ENSMUSG0 Wdr93
ENSMUSG0	3884.464	0.17598	0.157796	1.115233	0.264751	0.745097	ENSMUSG0 Sdcbp
ENSMUSG0	33.1732	0.440184	0.394741	1.115122	0.264798	0.745097	ENSMUSG0 Pole2

ENSMUSG0	58.48643	-0.36953	0.331395	-1.11507	0.264818	0.745097	ENSMUSG02010001A1
ENSMUSG0	174.3668	0.425837	0.381899	1.115052	0.264828	0.745097	ENSMUSG0 St8sia4
ENSMUSG0	791.4722	-0.19835	0.177937	-1.11471	0.264973	0.745398	ENSMUSG01810030OC
ENSMUSG0	72.07819	0.377759	0.338915	1.114615	0.265016	0.745407	ENSMUSG0 B3gnt8
ENSMUSG0	521.0065	0.26771	0.240241	1.114338	0.265134	0.745522	ENSMUSG0 Sp4
ENSMUSG0	226.4827	-0.20661	0.185416	-1.11431	0.265146	0.745522	ENSMUSG0 Saal1
ENSMUSG0	21.1207	-1.04539	0.938268	-1.11417	0.265205	0.745522	ENSMUSG0 Ighv1-80
ENSMUSG0	17.71267	0.55379	0.497097	1.114049	0.265258	0.745522	ENSMUSG0 Pou3f4
ENSMUSG0	373.2139	-0.21334	0.191512	-1.11399	0.265285	0.745522	ENSMUSG0 Jazf1
ENSMUSG0	15.31181	0.473961	0.425468	1.113977	0.265289	0.745522	ENSMUSG0 Gm20457
ENSMUSG0	44.2862	-0.40246	0.361335	-1.11382	0.265355	0.745599	ENSMUSG0 Gm42636
ENSMUSG0	37.85421	-0.49396	0.443543	-1.11366	0.265423	0.745664	ENSMUSG01700012D1
ENSMUSG0	168.7488	0.301619	0.270858	1.113572	0.265463	0.745664	ENSMUSG0 Pola1
ENSMUSG0	4.814673	1.171614	1.052192	1.113499	0.265494	0.745664	ENSMUSG0 Gm7206
ENSMUSG0	754.3565	-0.17626	0.158313	-1.11337	0.265548	0.745706	ENSMUSG0 Cyb5r1
ENSMUSG0	242.2485	0.319503	0.287095	1.112881	0.265759	0.74619	ENSMUSG0 Acot9
ENSMUSG0	1043.718	0.32682	0.293701	1.112764	0.26581	0.746203	ENSMUSG0 Ptpn4
ENSMUSG0	179.7914	0.219213	0.197012	1.11269	0.265842	0.746203	ENSMUSG0 Tcp11
ENSMUSG0	4.146742	1.242682	1.117049	1.112469	0.265937	0.74624	ENSMUSG0 Trex2
ENSMUSG0	4245.114	-0.1604	0.144187	-1.11245	0.265944	0.74624	ENSMUSG0 Ppp2ca
ENSMUSG0	37.48969	0.345818	0.310879	1.112388	0.265971	0.74624	ENSMUSG0 Zfp811
ENSMUSG0	3.602966	1.532594	1.377997	1.11219	0.266057	0.746343	ENSMUSG0 Timd2
ENSMUSG0	500.6946	-0.26037	0.234116	-1.11212	0.266086	0.746343	ENSMUSG0 Ctu1
ENSMUSG0	310.5446	-0.3519	0.31646	-1.11198	0.266146	0.746403	ENSMUSG0 Gm4419
ENSMUSG0	5.613798	1.505853	1.354686	1.111589	0.266315	0.746684	ENSMUSG0 Tacr1
ENSMUSG0	3118.57	-0.21081	0.189659	-1.11152	0.266346	0.746684	ENSMUSG0 Slc33a1
ENSMUSG0	3.081975	1.452389	1.306853	1.111364	0.266412	0.746684	ENSMUSG0 Dnah6
ENSMUSG0	9.939043	-0.81536	0.733763	-1.11121	0.26648	0.746684	ENSMUSG0 Gm48417
ENSMUSG0	617.8245	-0.2962	0.26658	-1.11112	0.266515	0.746684	ENSMUSG0 Med7
ENSMUSG0	1272.607	-0.25833	0.232499	-1.11112	0.266516	0.746684	ENSMUSG0 Kcnp1
ENSMUSG0	51.48866	-0.43324	0.38991	-1.11112	0.266518	0.746684	ENSMUSG0 Gm15728
ENSMUSG0	241.5161	0.570771	0.513753	1.110983	0.266576	0.746736	ENSMUSG0 Ptgr1
ENSMUSG0	10543.97	-0.50723	0.456595	-1.11089	0.266614	0.746736	ENSMUSG0 Hspa1b
ENSMUSG0	313.7888	-0.19208	0.172959	-1.11055	0.266762	0.746836	ENSMUSG0 Coq4
ENSMUSG0	1043.532	-0.24183	0.217765	-1.11051	0.26678	0.746836	ENSMUSG0 Upb1
ENSMUSG0	17.22166	0.914051	0.823176	1.110396	0.266829	0.746836	ENSMUSG0 Gm14421
ENSMUSG0	20.57507	0.550656	0.495945	1.110318	0.266862	0.746836	ENSMUSG0 Mettl24
ENSMUSG0	974.2501	0.1716	0.15455	1.110315	0.266863	0.746836	ENSMUSG0 Tor4a
ENSMUSG0	55.58039	-0.37584	0.338525	-1.11022	0.266905	0.746836	ENSMUSG0 Gm17259
ENSMUSG0	22.29946	0.891134	0.802693	1.11018	0.266921	0.746836	ENSMUSG0 Jakmip2
ENSMUSG0	42.46978	-0.42402	0.381999	-1.11	0.266998	0.746941	ENSMUSG0 Gm48529
ENSMUSG0	19.32959	0.441844	0.398191	1.109628	0.267159	0.747186	ENSMUSG0 Cenpp
ENSMUSG0	83.78512	0.272613	0.245682	1.10962	0.267163	0.747186	ENSMUSG0 Cbx2
ENSMUSG0	401.375	-0.40726	0.367085	-1.10946	0.267233	0.747274	ENSMUSG0 Polr2k
ENSMUSG0	1306.973	-0.28892	0.260444	-1.10934	0.267282	0.747301	ENSMUSG0 Phf12
ENSMUSG0	263.0238	0.250103	0.225489	1.109158	0.267362	0.747417	ENSMUSG0 Tmem63c
ENSMUSG0	28.28698	0.495307	0.446782	1.108611	0.267598	0.747968	ENSMUSG01700109H0
ENSMUSG0	19.0254	-0.49244	0.444282	-1.1084	0.267687	0.748109	ENSMUSG0 Rpl15-ps6
ENSMUSG0	414.6086	-0.16246	0.146622	-1.108	0.267863	0.748491	ENSMUSG0 Fam110b
ENSMUSG0	1264.826	-0.22371	0.201972	-1.10762	0.268026	0.74878	ENSMUSG0 Man1a2
ENSMUSG0	178.9242	-0.38849	0.350757	-1.10758	0.268044	0.74878	ENSMUSG0 Zfp111
ENSMUSG0	436.4812	-0.27638	0.249641	-1.1071	0.268253	0.749058	ENSMUSG0 Rabgef1

ENSMUSG0	8.94672	1.145066	1.034332	1.107058	0.268269	0.749058	ENSMUSG0 Ighv4-1
ENSMUSG0	49.06726	0.453207	0.409386	1.107042	0.268276	0.749058	ENSMUSG0 Dtl
ENSMUSG0	467.2167	0.224246	0.202586	1.106918	0.26833	0.749058	ENSMUSG0 Pole3
ENSMUSG0	431.6977	-0.17437	0.157533	-1.1069	0.268339	0.749058	ENSMUSG0 Gtpbp3
ENSMUSG0	1419.957	0.174422	0.157615	1.106633	0.268453	0.749103	ENSMUSG0 Wdr82
ENSMUSG0	107.2513	0.535855	0.484264	1.106535	0.268495	0.749103	ENSMUSG0 Lrrc32
ENSMUSG0	9.532377	-0.76046	0.687269	-1.1065	0.268509	0.749103	ENSMUSG0 Gm12996
ENSMUSG0	909.0932	-0.21929	0.198187	-1.10646	0.268526	0.749103	ENSMUSG0 Polr3k
ENSMUSG0	13.59896	0.535929	0.484386	1.106409	0.268549	0.749103	ENSMUSG0 Gm37802
ENSMUSG0	808.5183	0.205328	0.185625	1.106144	0.268664	0.749211	ENSMUSG0 Nrbp2
ENSMUSG0	129.6983	0.401696	0.363151	1.10614	0.268666	0.749211	ENSMUSG0 Prex2
ENSMUSG0	994.1099	-0.43471	0.393075	-1.10593	0.268758	0.749358	ENSMUSG0 Stx8
ENSMUSG0	22.82219	0.550597	0.498049	1.105507	0.26894	0.749753	ENSMUSG0 Trim71
ENSMUSG0	447.1665	0.272802	0.246785	1.105421	0.268977	0.749753	ENSMUSG0 Adgra3
ENSMUSG0	652.39	-0.42068	0.380666	-1.10511	0.269114	0.750025	ENSMUSG0 Stard13
ENSMUSG0	797.603	-0.17902	0.162023	-1.1049	0.269204	0.750095	ENSMUSG0 Rnf149
ENSMUSG0	11.16017	-0.63374	0.573586	-1.10487	0.269217	0.750095	ENSMUSG0 Kihl31
ENSMUSG0	6.83422	0.649799	0.588201	1.104723	0.26928	0.750161	ENSMUSG0C130050O1
ENSMUSG0	4692.971	-0.24871	0.225158	-1.1046	0.269334	0.750196	ENSMUSG0 Gng12
ENSMUSG0	17.20461	0.48451	0.438664	1.104514	0.26937	0.750196	ENSMUSG0 Gm39469
ENSMUSG0	483.9873	-0.20666	0.187152	-1.10425	0.269485	0.750406	ENSMUSG0 Ift27
ENSMUSG0	447.33	-0.21626	0.195868	-1.10411	0.269545	0.750466	ENSMUSG0 Dtnbp1
ENSMUSG0	46.78548	-0.31558	0.285985	-1.10348	0.269819	0.75112	ENSMUSG0D430040D2
ENSMUSG0	1464.179	0.518273	0.469757	1.103278	0.269906	0.751254	ENSMUSG0 Laptm5
ENSMUSG0	1658.545	-0.20093	0.182146	-1.10313	0.269972	0.751328	ENSMUSG0 Man2a2
ENSMUSG0	2578.844	-0.35037	0.317692	-1.10286	0.27009	0.751392	ENSMUSG0 Rab11a
ENSMUSG0	3.097645	1.369552	1.241867	1.102817	0.270107	0.751392	ENSMUSG0 Gm21378
ENSMUSG0	9.212117	0.662395	0.600646	1.102804	0.270112	0.751392	ENSMUSG0 Gm4247
ENSMUSG0	1633.796	-0.22572	0.204778	-1.10229	0.270336	0.751561	ENSMUSG0 Ilkap
ENSMUSG0	177.8299	0.223848	0.203105	1.102128	0.270406	0.751561	ENSMUSG0 Ltk
ENSMUSG0	282.7482	0.243219	0.220713	1.101969	0.270475	0.751561	ENSMUSG0 Ipo11
ENSMUSG0	11.92246	-0.5695	0.516883	-1.1018	0.270547	0.751561	ENSMUSG0 Gm15710
ENSMUSG0	70.64912	-0.25681	0.233102	-1.10169	0.270596	0.751561	ENSMUSG01500002C1
ENSMUSG0	4.890848	-1.07088	0.972071	-1.10165	0.270616	0.751561	ENSMUSG0 Gm42972
ENSMUSG0	21.44032	0.545045	0.494798	1.101549	0.270658	0.751561	ENSMUSG0 Agbl2
ENSMUSG0	11.21039	-0.61703	0.560152	-1.10153	0.270665	0.751561	ENSMUSG0 Gm32200
ENSMUSG0	64.81103	0.491772	0.446466	1.101476	0.270689	0.751561	ENSMUSG0 Gpr182
ENSMUSG0	214.7179	-0.31271	0.283921	-1.10141	0.27072	0.751561	ENSMUSG0 Utp23
ENSMUSG0	288.8941	-0.2131	0.193483	-1.10138	0.270729	0.751561	ENSMUSG0 Rnaseh1
ENSMUSG0	961.3649	-0.19886	0.180576	-1.10123	0.270797	0.751561	ENSMUSG0 Fbxo22
ENSMUSG0	197.9748	-0.44543	0.404488	-1.10122	0.270802	0.751561	ENSMUSG09330020H0
ENSMUSG0	806.6715	-0.40884	0.371274	-1.10119	0.270815	0.751561	ENSMUSG0 Commd1
ENSMUSG0	30.01701	0.600106	0.544977	1.101159	0.270827	0.751561	ENSMUSG0 Nrn1
ENSMUSG0	88.49041	0.400619	0.363824	1.101134	0.270838	0.751561	ENSMUSG0 Ypel1
ENSMUSG0	45.47659	0.49588	0.450368	1.101053	0.270874	0.751561	ENSMUSG0 Fanca
ENSMUSG0	380.5254	-0.18603	0.168958	-1.10105	0.270876	0.751561	ENSMUSG0 Bnip1
ENSMUSG0	6.612221	-0.95798	0.870133	-1.10095	0.270917	0.751566	ENSMUSG0 Gm44567
ENSMUSG0	875.8404	0.189628	0.172268	1.100771	0.270997	0.751678	ENSMUSG0 Rgs3
ENSMUSG0	218.8727	0.264504	0.24031	1.100677	0.271037	0.751682	ENSMUSG0 Ccnyl1
ENSMUSG0	42.65252	0.591983	0.537922	1.100499	0.271115	0.751789	ENSMUSG0 Pvt1
ENSMUSG0	335.1847	-0.18598	0.169063	-1.10005	0.271309	0.7522	ENSMUSG0 Cep44
ENSMUSG0	5.456651	0.93209	0.847371	1.099979	0.271341	0.7522	ENSMUSG0 Gm45643

ENSMUSG0	571.7184	-0.31395	0.28547	-1.09977	0.271433	0.752325	ENSMUSG0 Gm15706
ENSMUSG0	174.0528	0.484981	0.441067	1.099563	0.271522	0.752325	ENSMUSG0 Lgals3
ENSMUSG0	260.539	-0.18636	0.1695	-1.09949	0.271554	0.752325	ENSMUSG0 Wdr92
ENSMUSG0	1118.457	-0.20136	0.183143	-1.09944	0.271576	0.752325	ENSMUSG0 Grpel1
ENSMUSG0	1040.242	0.178172	0.162059	1.099427	0.271582	0.752325	ENSMUSG0 Tiprl
ENSMUSG0	366.1904	-0.20256	0.184264	-1.09927	0.27165	0.752406	ENSMUSG0 Nbn
ENSMUSG0	51.5976	-0.4439	0.403853	-1.09916	0.271697	0.752429	ENSMUSG0 Gm19680
ENSMUSG0	91.48479	0.292479	0.266159	1.098887	0.271817	0.752653	ENSMUSG0 Cnih2
ENSMUSG0	1224.436	-0.25993	0.236602	-1.0986	0.271944	0.752896	ENSMUSG0 Agtpbp1
ENSMUSG0	1147.49	-0.147	0.13383	-1.09841	0.272024	0.753008	ENSMUSG0 Mta3
ENSMUSG0	423.4033	0.377797	0.344059	1.098061	0.272178	0.75302	ENSMUSG0 Birc3
ENSMUSG0	2794.851	-0.33416	0.304323	-1.09806	0.272179	0.75302	ENSMUSG0 Atraid
ENSMUSG0	1663.463	-0.1895	0.172579	-1.09804	0.272187	0.75302	ENSMUSG0 Golt1b
ENSMUSG0	3.032166	-1.33956	1.220084	-1.09792	0.272239	0.75302	ENSMUSG0 Fhl5
ENSMUSG0	380.2766	0.196271	0.17877	1.097893	0.272251	0.75302	ENSMUSG0 Slc16a11
ENSMUSG0	611.9079	-0.322	0.293316	-1.09781	0.272287	0.75302	ENSMUSG0 Heatr5a
ENSMUSG0	12.63311	-0.56094	0.511069	-1.09758	0.272387	0.75302	ENSMUSG0 Gm15829
ENSMUSG0	2433.736	-0.23067	0.210174	-1.0975	0.272422	0.75302	ENSMUSG0 Scaf11
ENSMUSG0	97.57873	0.295606	0.269374	1.097379	0.272476	0.75302	ENSMUSG0 Dubr
ENSMUSG0	6.745838	1.064407	0.970028	1.097295	0.272513	0.75302	ENSMUSG0 Vit
ENSMUSG0	402.3257	-0.27373	0.24947	-1.09726	0.272528	0.75302	ENSMUSG0 Fam57b
ENSMUSG0	152.579	-0.24766	0.225728	-1.09717	0.272568	0.75302	ENSMUSG0 Id4
ENSMUSG0	7.863214	-0.7749	0.706296	-1.09713	0.272582	0.75302	ENSMUSG0 Gm47583
ENSMUSG0	1013.567	0.147049	0.134043	1.097025	0.27263	0.75302	ENSMUSG0 Ttc5
ENSMUSG0	21.22015	0.80457	0.733442	1.096978	0.272651	0.75302	ENSMUSG0 Tnfrsf25
ENSMUSG0	2135.798	0.257121	0.234392	1.09697	0.272655	0.75302	ENSMUSG0 Ogt
ENSMUSG0	17.24826	0.644817	0.58803	1.096572	0.272828	0.753222	ENSMUSG0 Gm45838
ENSMUSG0	1058.097	-0.20754	0.189278	-1.09646	0.272878	0.753222	ENSMUSG0 Rasa1
ENSMUSG0	1431.689	-0.16389	0.149476	-1.09643	0.27289	0.753222	ENSMUSG0 Rtl5
ENSMUSG0	69.14165	-0.28991	0.264423	-1.09639	0.272909	0.753222	ENSMUSG0 4933407K1
ENSMUSG0	27.2118	-0.73119	0.666926	-1.09635	0.272923	0.753222	ENSMUSG0 Ppara
ENSMUSG0	114.5234	-0.2507	0.228749	-1.09594	0.273105	0.753611	ENSMUSG0 Mtrf1
ENSMUSG0	2844.221	-0.13362	0.121943	-1.09572	0.273202	0.753611	ENSMUSG0 Stard7
ENSMUSG0	593.2045	-0.18346	0.167458	-1.09558	0.273262	0.753611	ENSMUSG0 Ghdc
ENSMUSG0	10.76148	0.593995	0.542177	1.095574	0.273265	0.753611	ENSMUSG0 Xlr
ENSMUSG0	1099.343	-0.2531	0.231034	-1.0955	0.273299	0.753611	ENSMUSG0 Timm17b
ENSMUSG0	376.1525	-0.2717	0.248077	-1.09523	0.273414	0.753611	ENSMUSG0 Ndufaf4
ENSMUSG0	19.93875	-0.90635	0.827544	-1.09523	0.273417	0.753611	ENSMUSG0 Cfap58
ENSMUSG0	35.24768	-0.34569	0.315653	-1.09516	0.273446	0.753611	ENSMUSG0 Zfand4
ENSMUSG0	1342.216	-0.17102	0.156166	-1.09514	0.273456	0.753611	ENSMUSG0 Tmem106c
ENSMUSG0	1679.795	-0.25056	0.228816	-1.09502	0.273508	0.753647	ENSMUSG0 Uqcr11
ENSMUSG0	8.24922	-0.96305	0.87986	-1.09455	0.273712	0.753865	ENSMUSG0 4933417C2
ENSMUSG0	1101.664	0.180141	0.164581	1.094541	0.273718	0.753865	ENSMUSG0 Ehd4
ENSMUSG0	652.0402	0.201683	0.184278	1.09445	0.273758	0.753865	ENSMUSG0 Nop2
ENSMUSG0	25.05947	0.465799	0.425621	1.094397	0.273781	0.753865	ENSMUSG0 Gm20707
ENSMUSG0	5430.218	0.271189	0.247799	1.094391	0.273784	0.753865	ENSMUSG0 Btg1
ENSMUSG0	1752.038	-0.14495	0.132488	-1.09406	0.273929	0.754158	ENSMUSG0 Noc2l
ENSMUSG0	1596.41	-0.28938	0.264528	-1.09396	0.273974	0.754172	ENSMUSG0 Rtraf
ENSMUSG0	72.62659	0.643423	0.588327	1.093649	0.274109	0.754349	ENSMUSG0 Gm48271
ENSMUSG0	2068.718	0.179938	0.164532	1.093632	0.274116	0.754349	ENSMUSG0 Stip1
ENSMUSG0	50.50155	0.698949	0.63945	1.093047	0.274373	0.754935	ENSMUSG0 Pdlim3
ENSMUSG0	15.95296	0.505034	0.462091	1.092932	0.274424	0.754935	ENSMUSG0 Gm47469

ENSMUSG0	3.902314	1.106321	1.012332	1.092844	0.274462	0.754935	ENSMUSG0 Msmg
ENSMUSG0	94.2038	-0.29259	0.267752	-1.09276	0.274498	0.754935	ENSMUSG0 Immp2l
ENSMUSG0	1114.848	-0.15127	0.138433	-1.0927	0.274525	0.754935	ENSMUSG0 Pcyt1a
ENSMUSG0	1613.953	-0.17234	0.157762	-1.09239	0.27466	0.755196	ENSMUSG0 Dynlt3
ENSMUSG0	46.36846	-0.49561	0.453809	-1.09211	0.274786	0.755437	ENSMUSG0 Gm50340
ENSMUSG0	327.8679	-0.23412	0.214417	-1.0919	0.274876	0.75546	ENSMUSG0 Polm
ENSMUSG0	1149.409	-0.21282	0.194913	-1.09188	0.274885	0.75546	ENSMUSG0 H2-T22
ENSMUSG0	840.0864	-0.27339	0.250417	-1.09174	0.274948	0.75546	ENSMUSG0 Mnt
ENSMUSG0	13.66208	-0.53917	0.493934	-1.09157	0.275021	0.75546	ENSMUSG0 Zfp457
ENSMUSG0	12.51856	-0.65687	0.601773	-1.09155	0.275031	0.75546	ENSMUSG0 Gm16344
ENSMUSG0	193.0347	-0.28497	0.261121	-1.09135	0.27512	0.755599	ENSMUSG0 Prkn
ENSMUSG0	101.2403	0.318707	0.292248	1.090536	0.275477	0.756396	ENSMUSG0 Zfp870
ENSMUSG0	1498.209	-0.25319	0.232199	-1.09042	0.275528	0.756396	ENSMUSG0 Chkb
ENSMUSG0	11.10755	-0.63427	0.581676	-1.09042	0.275528	0.756396	ENSMUSG0 C530043K1
ENSMUSG0	496.6263	0.175838	0.161288	1.090214	0.275619	0.75649	ENSMUSG0 Nubp2
ENSMUSG0	72.82017	0.333011	0.305469	1.090163	0.275641	0.75649	ENSMUSG0 Spata33
ENSMUSG0	270.3675	0.259698	0.238356	1.089537	0.275917	0.757058	ENSMUSG0 Asap2
ENSMUSG0	17.23694	1.076897	0.98842	1.089514	0.275927	0.757058	ENSMUSG0 H2-M2
ENSMUSG0	479.0265	-0.21516	0.197506	-1.08941	0.275974	0.757079	ENSMUSG0 Tbccc1
ENSMUSG0	5908.198	-0.15975	0.146679	-1.08909	0.276113	0.757225	ENSMUSG0 Camk2b
ENSMUSG0	1113.417	-0.27162	0.249405	-1.08908	0.276117	0.757225	ENSMUSG0 Tmem223
ENSMUSG0	6.144143	-0.91744	0.842444	-1.08902	0.276145	0.757225	ENSMUSG0 Gm4065
ENSMUSG0	15.53802	-0.49746	0.456892	-1.0888	0.276242	0.757383	ENSMUSG0 Pcdhb21
ENSMUSG0	190.5643	-0.23296	0.214007	-1.08856	0.276347	0.757561	ENSMUSG0 Pradc1
ENSMUSG0	513.5944	-0.30182	0.277321	-1.08835	0.276439	0.757614	ENSMUSG0 Fdx1
ENSMUSG0	5.397451	0.883001	0.811424	1.088212	0.276501	0.757614	ENSMUSG0 B230208H1
ENSMUSG0	1162.577	-0.26643	0.244849	-1.08813	0.276538	0.757614	ENSMUSG0 Dgke
ENSMUSG0	1445.462	-0.26111	0.239964	-1.08811	0.276549	0.757614	ENSMUSG0 Bbx
ENSMUSG0	483.4314	0.243257	0.223566	1.088073	0.276563	0.757614	ENSMUSG0 Smad7
ENSMUSG0	41.22671	-0.31774	0.292059	-1.08794	0.276622	0.757667	ENSMUSG0 Gm4430
ENSMUSG0	2.969703	1.305084	1.199793	1.087758	0.276702	0.757779	ENSMUSG0 Mpig6b
ENSMUSG0	483.4476	-0.21346	0.196315	-1.08731	0.276898	0.758094	ENSMUSG0 Borcs7
ENSMUSG0	1960.893	-0.17707	0.162851	-1.08728	0.276913	0.758094	ENSMUSG0 Cdc5l
ENSMUSG0	12.54478	-0.65776	0.60499	-1.08723	0.276937	0.758094	ENSMUSG0 2600014E2
ENSMUSG0	357.4927	-0.22314	0.205267	-1.0871	0.276994	0.758094	ENSMUSG0 Bahcc1
ENSMUSG0	74.47786	-0.30821	0.283586	-1.08683	0.277114	0.758094	ENSMUSG0 Ttc16
ENSMUSG0	45.64263	0.49403	0.454568	1.086812	0.27712	0.758094	ENSMUSG0 119000510f
ENSMUSG0	774.3482	-0.2586	0.23795	-1.0868	0.277123	0.758094	ENSMUSG0 Cep170
ENSMUSG0	970.1067	-0.2063	0.189822	-1.08678	0.277132	0.758094	ENSMUSG0 Trmt1
ENSMUSG0	71.4061	-0.36985	0.340342	-1.08669	0.277172	0.758095	ENSMUSG0 Lym1
ENSMUSG0	214.0718	-0.1746	0.160695	-1.08654	0.277241	0.758156	ENSMUSG0 Trmt11
ENSMUSG0	53.19331	0.274204	0.252382	1.086465	0.277273	0.758156	ENSMUSG0 Epha4
ENSMUSG0	1893.302	-0.22137	0.20381	-1.08617	0.277403	0.758265	ENSMUSG0 Ctdnep1
ENSMUSG0	296.3256	-0.22555	0.20767	-1.0861	0.277437	0.758265	ENSMUSG0 Spry2
ENSMUSG0	24.02869	-0.84263	0.775856	-1.08606	0.277451	0.758265	ENSMUSG0 Gm42445
ENSMUSG0	397.1889	0.266422	0.245324	1.086003	0.277478	0.758265	ENSMUSG0 Pxdn
ENSMUSG0	4695.419	-0.14469	0.133242	-1.08593	0.27751	0.758265	ENSMUSG0 Ctdsp2
ENSMUSG0	2224.898	-0.16811	0.154824	-1.0858	0.277567	0.758314	ENSMUSG0 Man2b2
ENSMUSG0	18.21211	1.160717	1.069156	1.085639	0.277639	0.758329	ENSMUSG0 Ighv9-3
ENSMUSG0	528.2964	0.300135	0.276466	1.085609	0.277652	0.758329	ENSMUSG0 Mef2c
ENSMUSG0	132.7837	0.273362	0.25194	1.085028	0.277909	0.758903	ENSMUSG0 Lrguk
ENSMUSG0	46.15495	0.46638	0.429889	1.084886	0.277972	0.758903	ENSMUSG0 Apln

ENSMUSG0	76.98718	1.172218	1.080517	1.084868	0.27798	0.758903	ENSMUSG0 Ctsw
ENSMUSG0	1847.086	0.400214	0.368944	1.084755	0.27803	0.758916	ENSMUSG0 Tnrc18
ENSMUSG0	169.8485	-0.26951	0.24847	-1.08468	0.278064	0.758916	ENSMUSG0 Tnfrsf22
ENSMUSG0	2368.6	0.145139	0.133824	1.084553	0.27812	0.75896	ENSMUSG0 Pcyox1
ENSMUSG0	6.944428	1.350762	1.245989	1.084088	0.278326	0.759415	ENSMUSG0 Ighv12-3
ENSMUSG0	5459.929	-0.17565	0.162038	-1.08398	0.278373	0.759435	ENSMUSG0 Ube2d3
ENSMUSG0	883.9136	0.201921	0.186324	1.083707	0.278495	0.759479	ENSMUSG0 St3gal5
ENSMUSG0	254.7579	0.235941	0.217729	1.083643	0.278523	0.759479	ENSMUSG0 Rps6kl1
ENSMUSG0	695.6216	-0.19381	0.178851	-1.08361	0.278537	0.759479	ENSMUSG0 Ofd1
ENSMUSG0	145.0281	0.280001	0.258401	1.08359	0.278547	0.759479	ENSMUSG0 Lzic
ENSMUSG0	903.5176	-0.24292	0.224215	-1.08344	0.278611	0.759547	ENSMUSG0 Eif3j2
ENSMUSG0	541.9243	0.258167	0.238306	1.083341	0.278657	0.759565	ENSMUSG0 Arhgef9
ENSMUSG0	49.84506	-1.17058	1.080767	-1.0831	0.278765	0.759667	ENSMUSG0 Igsf23
ENSMUSG0	1514.693	-0.29785	0.275026	-1.083	0.278808	0.759667	ENSMUSG0 Scrib
ENSMUSG0	2667.634	-0.39822	0.367778	-1.08278	0.278908	0.759667	ENSMUSG0 Zcrb1
ENSMUSG0	345.3156	0.267143	0.246726	1.082755	0.278917	0.759667	ENSMUSG0 Nrip1
ENSMUSG0	764.9947	0.223323	0.206257	1.082744	0.278922	0.759667	ENSMUSG0 Mpp2
ENSMUSG0	230.8849	-0.21649	0.199968	-1.08264	0.278968	0.759667	ENSMUSG0 Dusp19
ENSMUSG0	770.2465	-0.16983	0.156864	-1.08263	0.278971	0.759667	ENSMUSG0 Pmm2
ENSMUSG0	6.179168	1.15856	1.070226	1.082537	0.279014	0.759676	ENSMUSG0 Trbv15
ENSMUSG0	563.6778	-0.14983	0.138426	-1.08241	0.27907	0.759721	ENSMUSG0 Ikzf5
ENSMUSG0	721.1681	-0.17148	0.158455	-1.08221	0.279159	0.759856	ENSMUSG0 Tdg
ENSMUSG0	54.40035	0.624528	0.577134	1.08212	0.279199	0.759858	ENSMUSG0 Mrc1
ENSMUSG0	2.964463	-1.04161	0.962964	-1.08167	0.2794	0.760297	ENSMUSG0 Gm7932
ENSMUSG0	508.8103	0.426106	0.394045	1.081365	0.279535	0.760516	ENSMUSG0 Vwde
ENSMUSG0	3055.917	-0.23951	0.221501	-1.0813	0.279566	0.760516	ENSMUSG0 Slc7a8
ENSMUSG0	462.5814	-0.23025	0.212973	-1.08111	0.279647	0.760516	ENSMUSG0 Spryd7
ENSMUSG0	4055.592	-0.26732	0.24728	-1.08103	0.279683	0.760516	ENSMUSG0 Selenow
ENSMUSG0	784.4762	0.300268	0.27777	1.080995	0.279699	0.760516	ENSMUSG0 Tmc6
ENSMUSG0	567.9533	0.206722	0.191276	1.08075	0.279809	0.760516	ENSMUSG0 Ypel2
ENSMUSG0	23.70756	-0.36832	0.340838	-1.08062	0.279864	0.760516	ENSMUSG0 Gm32391
ENSMUSG0	14.46689	-0.71034	0.657433	-1.08047	0.279931	0.760516	ENSMUSG0 Gm7143
ENSMUSG0	137.3841	0.206833	0.191439	1.080414	0.279958	0.760516	ENSMUSG0 Lrrc29
ENSMUSG0	94.54138	-0.28994	0.268365	-1.08038	0.279971	0.760516	ENSMUSG0 Eda
ENSMUSG0	5.978511	0.759453	0.702976	1.08034	0.279991	0.760516	ENSMUSG0 Map7d3
ENSMUSG0	1132.929	-0.16542	0.153148	-1.08014	0.280082	0.760516	ENSMUSG0 Gatad1
ENSMUSG0	110.5503	-0.3481	0.322286	-1.0801	0.280098	0.760516	ENSMUSG0 Pop1
ENSMUSG0	4.807361	1.039714	0.962645	1.080059	0.280116	0.760516	ENSMUSG0 Tmem178
ENSMUSG0	6.549162	1.60235	1.48379	1.079903	0.280185	0.760516	ENSMUSG0 Csn2
ENSMUSG0	2409.692	-0.20374	0.188678	-1.07982	0.28022	0.760516	ENSMUSG0 Phf20l1
ENSMUSG0	604.7502	-0.36099	0.334322	-1.07976	0.280249	0.760516	ENSMUSG0 Ss18l2
ENSMUSG0	436.8069	0.242825	0.224898	1.07971	0.280271	0.760516	ENSMUSG0 Cptp
ENSMUSG0	13.62145	0.572277	0.530034	1.079697	0.280277	0.760516	ENSMUSG0 Cox6b2
ENSMUSG0	21.26335	-0.65306	0.604886	-1.07964	0.280303	0.760516	ENSMUSG0 Angptl1
ENSMUSG0	20.06254	0.440592	0.408099	1.079622	0.280311	0.760516	ENSMUSG0 Pcdhb13
ENSMUSG0	528.9016	-0.27906	0.258548	-1.07932	0.280445	0.760709	ENSMUSG0 G0610012G0
ENSMUSG0	4.466502	1.021207	0.94619	1.079284	0.280461	0.760709	ENSMUSG0 Gm14586
ENSMUSG0	24.43291	0.482416	0.447116	1.07895	0.28061	0.76092	ENSMUSG0 Gm15860
ENSMUSG0	261.3905	0.174629	0.161857	1.078906	0.28063	0.76092	ENSMUSG0 Stradb
ENSMUSG0	832.0311	-0.24802	0.229897	-1.07884	0.280657	0.76092	ENSMUSG0 B4galt5
ENSMUSG0	1922.339	0.387476	0.359214	1.078678	0.280731	0.760964	ENSMUSG0 Klf2
ENSMUSG0	1090.313	0.182698	0.169403	1.078485	0.280817	0.760964	ENSMUSG0 Tmcc3

ENSMUSG0	5490.467	-0.14023	0.130028	-1.07846	0.280827	0.760964	ENSMUSG0	Tm9sf2
ENSMUSG0	38.77623	0.344576	0.31951	1.078453	0.280832	0.760964	ENSMUSG0	Gm37893
ENSMUSG0	376.718	-0.25646	0.237874	-1.07814	0.280973	0.761118	ENSMUSG0	Mzt2
ENSMUSG0	231.4276	-0.23658	0.219445	-1.07809	0.280994	0.761118	ENSMUSG0	Ctbs
ENSMUSG0	645.3899	-0.21672	0.201036	-1.07801	0.28103	0.761118	ENSMUSG0	Acad8
ENSMUSG0	3239.781	-0.11856	0.109996	-1.07782	0.281116	0.761118	ENSMUSG0	Tor1aip2
ENSMUSG0	1339.147	-0.23363	0.216784	-1.07769	0.281173	0.761118	ENSMUSG0	Entpd4
ENSMUSG0	75.51913	0.432678	0.401547	1.077527	0.281245	0.761118	ENSMUSG0	Slfn9
ENSMUSG0	131.2017	0.256413	0.23797	1.077501	0.281256	0.761118	ENSMUSG0	Slc16a13
ENSMUSG0	922.5879	-0.13948	0.129447	-1.0775	0.281258	0.761118	ENSMUSG0	Dus3l
ENSMUSG0	904.6158	-0.15972	0.148245	-1.07743	0.281289	0.761118	ENSMUSG0	Tada3
ENSMUSG0	3722.031	-0.1194	0.110818	-1.07741	0.281298	0.761118	ENSMUSG0	Mlf2
ENSMUSG0	3.205812	1.252545	1.162769	1.077209	0.281387	0.761118	ENSMUSG0	Trbv31
ENSMUSG0	3407.992	0.149551	0.138835	1.077187	0.281397	0.761118	ENSMUSG0	Smap2
ENSMUSG0	1055.889	0.20332	0.188754	1.077172	0.281403	0.761118	ENSMUSG0	Miga1
ENSMUSG0	7669.574	-0.23934	0.222214	-1.07705	0.281457	0.761131	ENSMUSG0	Chic1
ENSMUSG0	63.89056	0.313926	0.291486	1.076985	0.281487	0.761131	ENSMUSG0	Gm38910
ENSMUSG0	490.5446	-0.21971	0.20403	-1.07687	0.281538	0.761162	ENSMUSG0	Wdr74
ENSMUSG0	6.186061	-0.73655	0.684285	-1.07638	0.281756	0.761645	ENSMUSG0	Ccdc78
ENSMUSG0	1573.874	0.241225	0.224197	1.07595	0.28195	0.762032	ENSMUSG0	Hjurp
ENSMUSG0	637.8728	0.420454	0.390819	1.075826	0.282005	0.762032	ENSMUSG0	Scd1
ENSMUSG0	18.62288	0.592905	0.551218	1.075625	0.282095	0.762032	ENSMUSG0	Fst
ENSMUSG0	13.15759	-0.57432	0.533961	-1.07559	0.282109	0.762032	ENSMUSG0	1810041H1
ENSMUSG0	51.27417	-0.45925	0.426999	-1.07552	0.282142	0.762032	ENSMUSG0	Aloxe3
ENSMUSG0	1436.649	-0.17295	0.160812	-1.07545	0.282172	0.762032	ENSMUSG0	Coasy
ENSMUSG0	406.0435	0.220594	0.205135	1.075362	0.282213	0.762032	ENSMUSG0	Bbs4
ENSMUSG0	526.0956	-0.29957	0.278635	-1.07514	0.282313	0.762032	ENSMUSG0	Ndufb4c
ENSMUSG0	1293.267	-1.0045	0.934306	-1.07513	0.282316	0.762032	ENSMUSG0	Plac8
ENSMUSG0	1050.254	-0.21355	0.198646	-1.07503	0.282362	0.762032	ENSMUSG0	Yif1a
ENSMUSG0	4185.261	0.275854	0.256609	1.075	0.282375	0.762032	ENSMUSG0	Pde5a
ENSMUSG0	665.6965	0.184301	0.171511	1.074574	0.282566	0.762276	ENSMUSG0	Mturn
ENSMUSG0	345.1728	-0.2096	0.195052	-1.07457	0.282567	0.762276	ENSMUSG0	Kptn
ENSMUSG0	7.587202	0.65401	0.608762	1.074327	0.282676	0.762276	ENSMUSG0	Rtbdn
ENSMUSG0	371.9706	0.272706	0.253842	1.074314	0.282682	0.762276	ENSMUSG0	Sipa1l2
ENSMUSG0	10.12179	0.524168	0.487918	1.074295	0.28269	0.762276	ENSMUSG0	4933406C1
ENSMUSG0	5.750877	0.902716	0.840309	1.074267	0.282703	0.762276	ENSMUSG0	1700003M
ENSMUSG0	1368.729	-0.14294	0.13308	-1.07412	0.282771	0.762326	ENSMUSG0	Ints1
ENSMUSG0	29.68975	-0.38242	0.356056	-1.07404	0.282804	0.762326	ENSMUSG0	Gm47626
ENSMUSG0	245.4758	-0.25386	0.236383	-1.07394	0.28285	0.762326	ENSMUSG0	Senp8
ENSMUSG0	36.36497	0.288274	0.268458	1.073811	0.282907	0.762326	ENSMUSG0	A630089NC
ENSMUSG0	734.0487	0.185666	0.172926	1.073674	0.282969	0.762326	ENSMUSG0	Lap3
ENSMUSG0	293.4787	-0.17152	0.159762	-1.0736	0.283003	0.762326	ENSMUSG0	Tm7sf2
ENSMUSG0	282.1258	0.298173	0.277739	1.073573	0.283014	0.762326	ENSMUSG0	Itga1
ENSMUSG0	1940.844	0.23113	0.215301	1.073518	0.283039	0.762326	ENSMUSG0	Plxnbl
ENSMUSG0	662.621	0.2076	0.193435	1.073226	0.28317	0.762572	ENSMUSG0	Supt20
ENSMUSG0	869.4254	-0.23227	0.216446	-1.0731	0.283224	0.762612	ENSMUSG0	Ide
ENSMUSG0	178.7781	0.201384	0.187694	1.07294	0.283298	0.762653	ENSMUSG0	Kcnh3
ENSMUSG0	3223.188	-0.21949	0.204586	-1.07286	0.283333	0.762653	ENSMUSG0	Cdk2ap1
ENSMUSG0	15.10405	-0.7375	0.687453	-1.07281	0.283358	0.762653	ENSMUSG0	Gm42993
ENSMUSG0	1130.417	0.229119	0.213638	1.072465	0.283511	0.762898	ENSMUSG0	Mtor
ENSMUSG0	9.326394	-0.63759	0.594603	-1.0723	0.283585	0.762898	ENSMUSG0	Gm15427
ENSMUSG0	2422.444	-0.19135	0.178453	-1.07227	0.2836	0.762898	ENSMUSG0	Marcks

ENSMUSG0	1267.824	0.333764	0.311274	1.072249	0.283608	0.762898	ENSMUSG0 Pecam1
ENSMUSG0	101.3956	-0.26497	0.247171	-1.07203	0.283707	0.76292	ENSMUSG0 Gm16845
ENSMUSG0	422.4232	-0.18719	0.174617	-1.07198	0.283727	0.76292	ENSMUSG0 493342101
ENSMUSG0	591.8523	-0.20381	0.190129	-1.07197	0.283735	0.76292	ENSMUSG0 Tmem28
ENSMUSG0	1830.71	-0.19335	0.180404	-1.07175	0.283834	0.763078	ENSMUSG0 Rer1
ENSMUSG0	26.40771	-0.55388	0.516977	-1.07138	0.283999	0.763123	ENSMUSG0 Gm42467
ENSMUSG0	4.165894	-1.45063	1.354066	-1.07131	0.284029	0.763123	ENSMUSG0 Ighv14-4
ENSMUSG0	2006.32	-0.23001	0.21472	-1.07121	0.284077	0.763123	ENSMUSG0 Arfgef2
ENSMUSG0	804.4406	0.22998	0.214704	1.071152	0.284101	0.763123	ENSMUSG0 Rnmt
ENSMUSG0	1069.257	-0.19221	0.179452	-1.07111	0.284119	0.763123	ENSMUSG0 Mpv17
ENSMUSG0	21.84897	0.879247	0.820905	1.07107	0.284138	0.763123	ENSMUSG0 Art2b
ENSMUSG0	3.815089	-0.97973	0.914848	-1.07092	0.284207	0.763123	ENSMUSG0 Ssxb5
ENSMUSG0	1327.159	-0.19142	0.178741	-1.07092	0.284207	0.763123	ENSMUSG0 Abhd14b
ENSMUSG0	3409.787	0.159919	0.149343	1.070818	0.284251	0.763134	ENSMUSG0 Zcchc18
ENSMUSG0	180.2878	0.413551	0.386312	1.070511	0.284389	0.76326	ENSMUSG0 Cabcoco1
ENSMUSG0	11757.47	-0.17628	0.164707	-1.07025	0.284505	0.76326	ENSMUSG0 Nisch
ENSMUSG0	4.284578	1.088182	1.016794	1.070209	0.284525	0.76326	ENSMUSG0 Gm21955
ENSMUSG0	122.7835	0.258409	0.241458	1.070204	0.284528	0.76326	ENSMUSG0 Gm37305
ENSMUSG0	405.599	0.26307	0.245815	1.070195	0.284532	0.76326	ENSMUSG0 Ddo
ENSMUSG0	426.0716	0.159842	0.149359	1.070185	0.284536	0.76326	ENSMUSG0 Rrp8
ENSMUSG0	1930.757	-0.25325	0.236668	-1.07008	0.284583	0.76328	ENSMUSG0 Meis2
ENSMUSG0	864.3822	0.156803	0.146567	1.069836	0.284693	0.763398	ENSMUSG0 Capn5
ENSMUSG0	653.1697	-0.27285	0.255047	-1.06981	0.284707	0.763398	ENSMUSG0 Atxn7
ENSMUSG0	156.3744	-0.30585	0.286029	-1.06929	0.284938	0.763911	ENSMUSG0 Bmp3
ENSMUSG0	2255.355	-0.25194	0.235633	-1.06919	0.284986	0.763933	ENSMUSG0 Pdap1
ENSMUSG0	5.64575	1.14076	1.067061	1.069068	0.285039	0.76397	ENSMUSG0 493041701
ENSMUSG0	38.54822	-0.36842	0.344668	-1.06891	0.285111	0.764057	ENSMUSG0 Gm43362
ENSMUSG0	1342.042	0.139321	0.130372	1.068644	0.28523	0.764269	ENSMUSG0 Cyfip1
ENSMUSG0	917.6142	0.13101	0.122614	1.068469	0.285309	0.764374	ENSMUSG0 Lpcat1
ENSMUSG0	1053.381	-0.26482	0.247918	-1.06819	0.285433	0.764459	ENSMUSG0 Map4k2
ENSMUSG0	7.988797	-0.98647	0.923509	-1.06817	0.285442	0.764459	ENSMUSG0 Kik1b8
ENSMUSG0	655.515	-0.24277	0.227283	-1.06813	0.28546	0.764459	ENSMUSG0 Inpp5b
ENSMUSG0	7.281119	1.02688	0.961682	1.067796	0.285613	0.76476	ENSMUSG0 Pnma3
ENSMUSG0	5.148642	-0.67798	0.634984	-1.06771	0.285652	0.76476	ENSMUSG0 Gm37738
ENSMUSG0	1130.965	-0.22341	0.209265	-1.06761	0.285698	0.764776	ENSMUSG0 Gtpbp1
ENSMUSG0	379.848	-0.19653	0.18413	-1.06733	0.285823	0.764785	ENSMUSG0 C87436
ENSMUSG0	96.8398	0.260051	0.243665	1.067247	0.28586	0.764785	ENSMUSG0 Purg
ENSMUSG0	3419.926	-0.17863	0.167383	-1.0672	0.285879	0.764785	ENSMUSG0 Cdipt
ENSMUSG0	1617.466	-0.14897	0.139588	-1.06718	0.285892	0.764785	ENSMUSG0 Hif1a
ENSMUSG0	8.678096	-0.99191	0.929489	-1.06716	0.2859	0.764785	ENSMUSG0 Ighv8-8
ENSMUSG0	395.6067	-0.19939	0.186867	-1.06704	0.285954	0.764824	ENSMUSG0 Adck1
ENSMUSG0	3422.761	0.220548	0.20671	1.066948	0.285995	0.764828	ENSMUSG0 Mvp
ENSMUSG0	2633.755	0.19128	0.179345	1.066548	0.286176	0.765205	ENSMUSG0 Cbarp
ENSMUSG0	688.4483	0.185912	0.174354	1.066295	0.28629	0.765335	ENSMUSG0 Plekhh3
ENSMUSG0	880.6798	-0.25291	0.237265	-1.06594	0.28645	0.765335	ENSMUSG0 Ubl4a
ENSMUSG0	3.606958	-1.04962	0.984883	-1.06573	0.286546	0.765335	ENSMUSG0 4930470P1
ENSMUSG0	199.2337	-0.27916	0.261964	-1.06565	0.286583	0.765335	ENSMUSG0 Tnfsfm13
ENSMUSG0	876.4077	-0.16083	0.150921	-1.06564	0.286586	0.765335	ENSMUSG0 Rala
ENSMUSG0	547.724	0.375348	0.352235	1.065617	0.286597	0.765335	ENSMUSG0 Tgfb1
ENSMUSG0	1071.829	0.254259	0.238609	1.065589	0.28661	0.765335	ENSMUSG0 Adam10
ENSMUSG0	2275.42	0.199198	0.186939	1.065573	0.286617	0.765335	ENSMUSG0 Pamr1
ENSMUSG0	271.8589	0.193352	0.181454	1.065571	0.286618	0.765335	ENSMUSG0 Tdrp

ENSMUSG0	4.871121	0.938369	0.880636	1.065558	0.286623	0.765335	ENSMUSG0 Gm17025
ENSMUSG0	1260.383	-0.16894	0.158555	-1.06547	0.286662	0.765335	ENSMUSG0 Nans
ENSMUSG0	510.7839	-0.18832	0.176768	-1.06535	0.28672	0.765381	ENSMUSG0 Ubxn8
ENSMUSG0	380.1587	-0.1989	0.18676	-1.06501	0.286872	0.765651	ENSMUSG0 Cyp4f16
ENSMUSG0	629.1379	-0.17782	0.16698	-1.06495	0.2869	0.765651	ENSMUSG0 Fam220a
ENSMUSG0	668.6326	0.278985	0.262023	1.064733	0.286997	0.765803	ENSMUSG0 Slc12a2
ENSMUSG0	681.1196	0.297604	0.279567	1.064518	0.287094	0.765957	ENSMUSG0 Prkd2
ENSMUSG0	532.7591	-0.15312	0.14386	-1.06434	0.287175	0.765974	ENSMUSG0 Zbtb17
ENSMUSG0	1263.496	-0.1999	0.187814	-1.06433	0.28718	0.765974	ENSMUSG0 Prpsap1
ENSMUSG0	465.1549	-0.15862	0.149049	-1.06424	0.287221	0.765976	ENSMUSG0 Abhd5
ENSMUSG0	678.8104	0.167994	0.157931	1.063719	0.287456	0.766496	ENSMUSG0 Hars2
ENSMUSG0	5.469088	-0.96647	0.90871	-1.06356	0.287527	0.766554	ENSMUSG0 Tmem30c
ENSMUSG0	1214.036	0.444763	0.418217	1.063474	0.287567	0.766554	ENSMUSG0 Muc1
ENSMUSG0	712.7008	-0.31438	0.295649	-1.06336	0.287618	0.766554	ENSMUSG0 Pcnt
ENSMUSG0	31046.69	-0.49646	0.466898	-1.06332	0.287637	0.766554	ENSMUSG0 mt-Nd5
ENSMUSG0	242.294	0.412712	0.388502	1.062316	0.288092	0.767496	ENSMUSG0 Arhgef6
ENSMUSG0	17.03659	0.470047	0.442474	1.062315	0.288093	0.767496	ENSMUSG0 Rab38
ENSMUSG0	20.22474	-0.45044	0.424034	-1.06228	0.28811	0.767496	ENSMUSG0 Gm37125
ENSMUSG0	1419.821	-0.1932	0.181909	-1.06206	0.288209	0.767603	ENSMUSG0 Slc35a4
ENSMUSG0	255.4291	0.378583	0.356481	1.062	0.288236	0.767603	ENSMUSG0 Ptges
ENSMUSG0	4.146814	1.002287	0.94385	1.061913	0.288275	0.767603	ENSMUSG0 Masp2
ENSMUSG0	30.31806	-0.38659	0.364076	-1.06183	0.288314	0.767603	ENSMUSG0 Prss41
ENSMUSG0	1119.472	-0.13354	0.125778	-1.06175	0.28835	0.767603	ENSMUSG0 Btbd9
ENSMUSG0	7.945182	0.914528	0.861596	1.061435	0.288492	0.767784	ENSMUSG0 Tnfsf14
ENSMUSG0	1877.99	-0.28918	0.272445	-1.06142	0.288498	0.767784	ENSMUSG0 Ndufv3
ENSMUSG0	1521.774	0.150369	0.141683	1.061301	0.288553	0.767825	ENSMUSG0 Atxn7l3
ENSMUSG0	410.4582	-0.29568	0.278655	-1.06111	0.288641	0.76783	ENSMUSG0 Htatip2
ENSMUSG0	16348.68	-0.22812	0.214989	-1.06109	0.288649	0.76783	ENSMUSG0 Tmbim6
ENSMUSG0	867.5706	0.367896	0.346765	1.06094	0.288717	0.76783	ENSMUSG0 Sipal
ENSMUSG0	11.06585	0.628776	0.59272	1.060832	0.288766	0.76783	ENSMUSG0 Gm37581
ENSMUSG0	351.7963	-0.2063	0.194472	-1.06083	0.288769	0.76783	ENSMUSG0 Pdcd2l
ENSMUSG0	13.614	0.762439	0.718803	1.060707	0.288823	0.76783	ENSMUSG0 Fndc7
ENSMUSG0	47.07934	0.754254	0.711103	1.060682	0.288835	0.76783	ENSMUSG0 Fabp7
ENSMUSG0	181.4448	-0.49935	0.470827	-1.06058	0.288882	0.76785	ENSMUSG0 Crlf1
ENSMUSG0	805.0134	0.217363	0.204991	1.060353	0.288984	0.768015	ENSMUSG0 Arhgap12
ENSMUSG0	14.14171	0.71456	0.674017	1.06015	0.289076	0.768099	ENSMUSG0 Hoxb6
ENSMUSG0	12.35492	-0.77795	0.733843	-1.06011	0.289095	0.768099	ENSMUSG0 BC001981
ENSMUSG0	460.1368	-0.17299	0.163195	-1.06002	0.289135	0.7681	ENSMUSG0 Gpank1
ENSMUSG0	1007.407	0.178109	0.16805	1.059855	0.28921	0.768193	ENSMUSG0 Txndc16
ENSMUSG0	73.72903	-0.5204	0.491137	-1.05957	0.289339	0.768429	ENSMUSG0 Itga2
ENSMUSG0	37.5058	-0.35073	0.331085	-1.05934	0.289446	0.768606	ENSMUSG0 5033417F2
ENSMUSG0	279.1827	-0.16854	0.159136	-1.05906	0.289571	0.768818	ENSMUSG0 Ccdc163
ENSMUSG0	2314.942	-0.13009	0.122848	-1.05894	0.289627	0.768818	ENSMUSG0 Septin5
ENSMUSG0	11.24364	0.53865	0.508688	1.058899	0.289646	0.768818	ENSMUSG0 BB557941
ENSMUSG0	2136.513	-0.34407	0.32505	-1.05851	0.289823	0.768987	ENSMUSG0 Rcbtb1
ENSMUSG0	148.4257	0.364171	0.344065	1.058439	0.289855	0.768987	ENSMUSG0 Snx29
ENSMUSG0	1519.642	0.176337	0.166604	1.058421	0.289864	0.768987	ENSMUSG0 Pgd
ENSMUSG0	29.82998	-0.60706	0.573557	-1.05841	0.289869	0.768987	ENSMUSG0 Gm4707
ENSMUSG0	1354.526	-0.22104	0.208935	-1.05792	0.290091	0.769427	ENSMUSG0 Gripap1
ENSMUSG0	189.3003	-0.28065	0.265303	-1.05785	0.290124	0.769427	ENSMUSG0 Abhd3
ENSMUSG0	24.9549	0.623597	0.589542	1.057766	0.290162	0.769427	ENSMUSG0 Gpr176
ENSMUSG0	288.0088	0.574655	0.543373	1.057571	0.290251	0.769427	ENSMUSG0 Cxcr4

ENSMUSG0	684.5863	-0.19831	0.187518	-1.05754	0.290263	0.769427	ENSMUSG0 Decr2
ENSMUSG0	578.0892	-0.15886	0.15022	-1.05752	0.290275	0.769427	ENSMUSG0 Slc17a5
ENSMUSG0	406.3348	-0.20036	0.189588	-1.05684	0.290584	0.770139	ENSMUSG0 Mrpl44
ENSMUSG0	14.59384	-0.60836	0.575778	-1.05659	0.2907	0.770266	ENSMUSG0 Gm45855
ENSMUSG0	3.612274	-0.89545	0.847513	-1.05656	0.290712	0.770266	ENSMUSG0 Gm38355
ENSMUSG0	702.7954	-0.23328	0.220877	-1.05615	0.290901	0.770592	ENSMUSG0 Actl6a
ENSMUSG0	223.9546	0.152566	0.144483	1.05594	0.290996	0.770592	ENSMUSG0 Nsun4
ENSMUSG0	473.1111	-0.2054	0.194526	-1.05592	0.291004	0.770592	ENSMUSG0 P4ha2
ENSMUSG0	4.639057	-0.77381	0.732857	-1.05588	0.291021	0.770592	ENSMUSG0 Gm33263
ENSMUSG0	89.14046	0.782564	0.741167	1.055854	0.291035	0.770592	ENSMUSG0 Cd5
ENSMUSG0	101.0869	-0.45669	0.432816	-1.05516	0.291354	0.771331	ENSMUSG0 Kntc1
ENSMUSG0	65.2912	0.294193	0.278862	1.054977	0.291436	0.771436	ENSMUSG0 Gm48623
ENSMUSG0	1517.492	-0.17579	0.166643	-1.05489	0.291474	0.771436	ENSMUSG0 Rchy1
ENSMUSG0	3.768698	1.224071	1.160819	1.054489	0.291659	0.771696	ENSMUSG0 Ascl2
ENSMUSG0	18.91083	0.487092	0.462053	1.05419	0.291796	0.771696	ENSMUSG0 Gm36283
ENSMUSG0	1026.621	0.156902	0.148843	1.054144	0.291817	0.771696	ENSMUSG0 Fermt2
ENSMUSG0	290.0257	0.354799	0.3366	1.054068	0.291852	0.771696	ENSMUSG0 Prcp
ENSMUSG0	39.39319	-0.31906	0.302697	-1.05406	0.291854	0.771696	ENSMUSG0 BC037032
ENSMUSG0	628.5551	-0.3038	0.288223	-1.05403	0.29187	0.771696	ENSMUSG0 Rrm2b
ENSMUSG0	1846.47	-0.15597	0.147988	-1.05394	0.291911	0.771696	ENSMUSG0Tmem167b
ENSMUSG0	3110.186	0.225422	0.213945	1.053647	0.292045	0.771696	ENSMUSG0 Sesn3
ENSMUSG0	164.2641	0.216687	0.205664	1.053597	0.292067	0.771696	ENSMUSG0 Rap2b
ENSMUSG0	728.4219	-0.17459	0.165716	-1.05353	0.292099	0.771696	ENSMUSG0 Eme2
ENSMUSG0	1554.296	0.208819	0.198221	1.053468	0.292127	0.771696	ENSMUSG0 Copg2
ENSMUSG0	7.212252	-0.71372	0.677522	-1.05343	0.292144	0.771696	ENSMUSG0 Gm50322
ENSMUSG0	354.0741	-0.2993	0.284157	-1.05329	0.292209	0.771696	ENSMUSG01600020E0
ENSMUSG0	58.23785	0.388303	0.368659	1.053285	0.292211	0.771696	ENSMUSG0 Gm4890
ENSMUSG0	5.001631	-1.42632	1.354176	-1.05328	0.292214	0.771696	ENSMUSG0 Ighv5-9
ENSMUSG0	15.55493	0.4639	0.440484	1.053159	0.292268	0.771732	ENSMUSG0 Gm16897
ENSMUSG0	839.8314	-0.20746	0.197047	-1.05282	0.292422	0.772033	ENSMUSG0 Fads6
ENSMUSG0	1522.524	-0.19539	0.185624	-1.05259	0.29253	0.772096	ENSMUSG0 Mrpl10
ENSMUSG0	1349.774	-0.11668	0.110874	-1.05241	0.292613	0.772096	ENSMUSG0 Igsf8
ENSMUSG0	3.939008	1.035458	0.983908	1.052393	0.292619	0.772096	ENSMUSG0 Gm30541
ENSMUSG0	24.18534	0.414097	0.393506	1.052325	0.29265	0.772096	ENSMUSG0A330084C1
ENSMUSG0	102.1463	0.660727	0.628	1.052113	0.292748	0.772096	ENSMUSG0 Samsn1
ENSMUSG0	600.1295	0.198042	0.188251	1.052011	0.292795	0.772096	ENSMUSG0 Nasp
ENSMUSG0	13.72384	-0.55539	0.528001	-1.05188	0.292857	0.772096	ENSMUSG0 Gm42777
ENSMUSG0	6.45983	1.033517	0.982598	1.05182	0.292882	0.772096	ENSMUSG0 Lrp2
ENSMUSG0	1238.85	-0.34611	0.329067	-1.05178	0.292902	0.772096	ENSMUSG0 Rpl31-ps8
ENSMUSG0	570.535	0.211474	0.201064	1.051776	0.292902	0.772096	ENSMUSG0 Gnptab
ENSMUSG0	383.3444	0.523301	0.497607	1.051635	0.292967	0.772096	ENSMUSG0 Ppp1r18
ENSMUSG0	2420.518	-0.1376	0.13085	-1.05158	0.29299	0.772096	ENSMUSG0 Ppp2r5a
ENSMUSG0	30.55339	-0.83119	0.790514	-1.05146	0.293048	0.772096	ENSMUSG0 Gm7336
ENSMUSG0	443.5214	-0.29351	0.279153	-1.05142	0.293066	0.772096	ENSMUSG0 Arl4d
ENSMUSG0	1847.194	0.253799	0.241421	1.05127	0.293135	0.772096	ENSMUSG0 Megf9
ENSMUSG0	920.8807	-0.18352	0.174584	-1.05121	0.293164	0.772096	ENSMUSG0 Gale
ENSMUSG0	30.42843	0.459349	0.437004	1.051132	0.293198	0.772096	ENSMUSG0 Kirrel3
ENSMUSG0	875.7975	0.186725	0.177658	1.051034	0.293243	0.772096	ENSMUSG0 Lrrfip1
ENSMUSG0	6.664834	0.671876	0.63926	1.051021	0.293249	0.772096	ENSMUSG0 Gm45758
ENSMUSG0	12.24513	-0.52152	0.496246	-1.05093	0.293292	0.772103	ENSMUSG0 Gm44878
ENSMUSG0	44.06935	0.397574	0.378385	1.050712	0.293391	0.772117	ENSMUSG0 Actn3
ENSMUSG0	574.1359	-0.13274	0.126341	-1.05067	0.293411	0.772117	ENSMUSG0 Polr3e

ENSMUSG0	7783.646	0.262073	0.249456	1.050578	0.293452	0.772117	ENSMUSG0 Nedd4
ENSMUSG0	1551.442	-0.17737	0.168847	-1.0505	0.29349	0.772117	ENSMUSG0 Mfsd14a
ENSMUSG0	5.46455	0.871285	0.829445	1.050443	0.293514	0.772117	ENSMUSG0 Erfe
ENSMUSG0	695.9129	-0.31185	0.296885	-1.05039	0.293538	0.772117	ENSMUSG0 Slc39a14
ENSMUSG0	869.2162	-0.19934	0.189831	-1.0501	0.293674	0.772348	ENSMUSG0 Scamp3
ENSMUSG0	11.19335	-0.52972	0.504484	-1.05003	0.293706	0.772348	ENSMUSG0 Gm12524
ENSMUSG0	386.7405	-0.15441	0.14709	-1.04975	0.293834	0.77254	ENSMUSG0 Zdhhc16
ENSMUSG0	706.0396	-0.20418	0.194513	-1.04969	0.293859	0.77254	ENSMUSG0 Mym1
ENSMUSG0	1259.657	-0.50662	0.482722	-1.04951	0.293944	0.772556	ENSMUSG0 Kcnq1ot1
ENSMUSG0	3.165258	1.619242	1.543063	1.049369	0.294008	0.772556	ENSMUSG0 Gm4349
ENSMUSG0	441.0734	0.21744	0.207213	1.049352	0.294016	0.772556	ENSMUSG0 Lancl2
ENSMUSG0	3.77968	-1.07082	1.020525	-1.04928	0.294048	0.772556	ENSMUSG0 Gm43048
ENSMUSG0	97.95569	0.390631	0.372298	1.049244	0.294066	0.772556	ENSMUSG0 Rasal1
ENSMUSG0	992.3773	-0.32772	0.31249	-1.04874	0.294297	0.773058	ENSMUSG0 Car8
ENSMUSG0	823.5765	-0.14138	0.134844	-1.04847	0.294421	0.773242	ENSMUSG0 Rae1
ENSMUSG0	1653.153	-0.11779	0.112349	-1.04841	0.294448	0.773242	ENSMUSG0 Grb2
ENSMUSG0	523.3154	-0.21014	0.200459	-1.0483	0.294501	0.773275	ENSMUSG0 Zfp788
ENSMUSG0	647.0184	-0.19308	0.18427	-1.04782	0.294722	0.77375	ENSMUSG0 Pias3
ENSMUSG0	35.7146	0.592357	0.565399	1.04768	0.294786	0.773813	ENSMUSG0 Serpina1b
ENSMUSG0	909.2921	0.785311	0.749675	1.047535	0.294853	0.773883	ENSMUSG0 Sncg
ENSMUSG0	1865.356	0.338342	0.323139	1.047048	0.295078	0.774035	ENSMUSG0 Man2a1
ENSMUSG0	1005.844	0.165564	0.158131	1.047004	0.295098	0.774035	ENSMUSG0 Gpr137
ENSMUSG0	3.462677	1.012894	0.967431	1.046994	0.295102	0.774035	ENSMUSG0 Gm32688
ENSMUSG0	5071.182	-0.32351	0.308996	-1.04697	0.295112	0.774035	ENSMUSG0 Rpl36a1
ENSMUSG0	1268.321	-0.15071	0.143971	-1.04682	0.295184	0.774119	ENSMUSG0 Pitrm1
ENSMUSG0	495.4951	0.211596	0.202152	1.04672	0.295229	0.774131	ENSMUSG0 Pramef8
ENSMUSG0	1697.259	-0.26215	0.25049	-1.04656	0.295301	0.774135	ENSMUSG0 Tlk1
ENSMUSG0	319.0378	-0.23701	0.226465	-1.04654	0.295311	0.774135	ENSMUSG0 Mmp24
ENSMUSG0	19.30242	0.691558	0.661011	1.046212	0.295463	0.774351	ENSMUSG0 Gm49975
ENSMUSG0	18.06072	0.651425	0.622702	1.046126	0.295503	0.774351	ENSMUSG0 Gm21596
ENSMUSG0	1416.028	-0.17164	0.164083	-1.04609	0.295521	0.774351	ENSMUSG0 Ate1
ENSMUSG0	10.57755	0.633971	0.606098	1.045988	0.295567	0.774351	ENSMUSG0 Rufy4
ENSMUSG0	224.1124	-0.25576	0.244552	-1.04585	0.29563	0.774351	ENSMUSG0 Zfp955b
ENSMUSG0	4512.423	-0.2238	0.213991	-1.04584	0.295635	0.774351	ENSMUSG0 Degs1
ENSMUSG0	763.8334	-0.21205	0.202788	-1.0457	0.2957	0.774417	ENSMUSG0 Cnnm3
ENSMUSG0	206.4255	0.176314	0.168642	1.04549	0.295797	0.774564	ENSMUSG0 Poglut2
ENSMUSG0	17.28054	0.620654	0.593854	1.045129	0.295963	0.774713	ENSMUSG0 Ticrr
ENSMUSG0	16.76889	0.720256	0.689203	1.045056	0.295997	0.774713	ENSMUSG0 Palm3
ENSMUSG0	2494.231	0.221694	0.212139	1.045042	0.296004	0.774713	ENSMUSG0 H2-T23
ENSMUSG0	1299.978	-0.15428	0.147638	-1.04502	0.296015	0.774713	ENSMUSG0 Ccdc91
ENSMUSG0	1158.398	0.180566	0.172808	1.044892	0.296073	0.774759	ENSMUSG0 Mtmr4
ENSMUSG0	12551.82	0.221021	0.21156	1.044716	0.296154	0.774867	ENSMUSG0 Canx
ENSMUSG0	143.316	-0.2066	0.197815	-1.0444	0.296298	0.775062	ENSMUSG0 Gm5069
ENSMUSG0	8.015992	0.709482	0.679389	1.044294	0.296349	0.775062	ENSMUSG0 Gm49373
ENSMUSG0	35.45178	-0.63043	0.603686	-1.04429	0.29635	0.775062	ENSMUSG0 Gm43336
ENSMUSG0	821.0492	0.193948	0.185753	1.04412	0.29643	0.775166	ENSMUSG0 Src
ENSMUSG0	103.0232	-0.3305	0.316572	-1.044	0.296486	0.775207	ENSMUSG0 Ccdc24
ENSMUSG0	89.91306	-0.30834	0.295442	-1.04366	0.296643	0.775464	ENSMUSG0 Rsl1
ENSMUSG0	200.3912	0.91268	0.874583	1.043561	0.296689	0.775464	ENSMUSG0 Il2rb
ENSMUSG0	4.36252	-1.1222	1.075396	-1.04353	0.296705	0.775464	ENSMUSG0 C230071H1
ENSMUSG0	1339.877	-0.17656	0.16923	-1.04332	0.296799	0.775523	ENSMUSG0 Tbl2
ENSMUSG0	8.911579	1.013598	0.971554	1.043275	0.296821	0.775523	ENSMUSG0 Acss3

ENSMUSG0	242.1604	-0.31534	0.302283	-1.04321	0.296853	0.775523	ENSMUSG0 Thrb
ENSMUSG0	22.91732	-0.4974	0.476854	-1.04309	0.296908	0.775523	ENSMUSG0D630036H2
ENSMUSG0	54.39804	0.53337	0.511394	1.042972	0.296961	0.775523	ENSMUSG0 Pqlc3
ENSMUSG0	4132.877	-0.19933	0.191116	-1.04295	0.296969	0.775523	ENSMUSG0 Srsf2
ENSMUSG0	38.7665	0.479202	0.459521	1.042829	0.297028	0.775566	ENSMUSG0 Adam12
ENSMUSG0	21.32991	0.925842	0.887938	1.042688	0.297093	0.775566	ENSMUSG0 Syce1
ENSMUSG0	1337.149	0.191168	0.183346	1.042658	0.297107	0.775566	ENSMUSG0 Sh3bp4
ENSMUSG0	3.336988	1.1014	1.056429	1.042569	0.297148	0.775568	ENSMUSG01700112D2
ENSMUSG0	257.3904	-0.26993	0.258961	-1.04234	0.297255	0.775743	ENSMUSG0 Eef1e1
ENSMUSG0	456.7401	-0.17205	0.165082	-1.04223	0.297307	0.775773	ENSMUSG0 Pold4
ENSMUSG0	2108.752	-0.16794	0.16116	-1.04209	0.297371	0.775834	ENSMUSG0 Ica1
ENSMUSG0	37.41912	0.395117	0.379287	1.041735	0.297534	0.77608	ENSMUSG0 Ccdc85a
ENSMUSG0	10.47679	-0.70629	0.678021	-1.04169	0.297555	0.77608	ENSMUSG0 Gm44321
ENSMUSG0	8.554512	0.843593	0.809944	1.041545	0.297623	0.77608	ENSMUSG0 Gm34030
ENSMUSG0	126.3878	-2.37852	2.283675	-1.04153	0.297629	0.77608	ENSMUSG0 Gm3776
ENSMUSG0	5.897648	-0.87329	0.838657	-1.0413	0.297737	0.77608	ENSMUSG0 Gm19040
ENSMUSG0	12.1435	0.757547	0.72779	1.040888	0.297928	0.77608	ENSMUSG0 Adamts4
ENSMUSG0	565.626	0.328475	0.315593	1.04082	0.297959	0.77608	ENSMUSG0 Zbtb10
ENSMUSG0	73.41708	0.438884	0.421752	1.04062	0.298052	0.77608	ENSMUSG0 Gbp8
ENSMUSG0	2781.911	0.139321	0.133888	1.040577	0.298072	0.77608	ENSMUSG0 Chp1
ENSMUSG0	1000.295	0.132572	0.127403	1.040573	0.298074	0.77608	ENSMUSG0 Rab35
ENSMUSG0	1291.423	-0.28365	0.272597	-1.04056	0.298081	0.77608	ENSMUSG0 Ndufs6
ENSMUSG0	21.97885	0.467848	0.449632	1.040513	0.298102	0.77608	ENSMUSG0 Clec2l
ENSMUSG0	1303.461	-0.14426	0.138656	-1.04044	0.298135	0.77608	ENSMUSG0 Srsf4
ENSMUSG0	580.5761	-0.11614	0.111629	-1.04041	0.29815	0.77608	ENSMUSG0 Nelfa
ENSMUSG0	194.4679	0.619586	0.595533	1.040389	0.298159	0.77608	ENSMUSG0 Slc39a4
ENSMUSG0	13.96526	0.573175	0.550927	1.040382	0.298163	0.77608	ENSMUSG0 Zfp57
ENSMUSG0	999.3423	1.148327	1.103895	1.04025	0.298224	0.77608	ENSMUSG0 Acta2
ENSMUSG0	30.03717	0.523048	0.502882	1.040101	0.298293	0.77608	ENSMUSG0 Kcnmb1
ENSMUSG0	702.9096	0.219469	0.211014	1.040069	0.298308	0.77608	ENSMUSG0 Rrm1
ENSMUSG0	3.337493	1.015515	0.976415	1.040044	0.298319	0.77608	ENSMUSG0 Gm19283
ENSMUSG0	670.7551	-0.16629	0.159894	-1.04	0.29834	0.77608	ENSMUSG0 Fam50a
ENSMUSG0	358.2096	0.223311	0.21474	1.039912	0.298381	0.77608	ENSMUSG0 Pheta1
ENSMUSG0	144.9215	0.238424	0.229279	1.039886	0.298393	0.77608	ENSMUSG0 Vangl2
ENSMUSG0	969.6542	-0.20713	0.199247	-1.03957	0.29854	0.776168	ENSMUSG0 Tbl3
ENSMUSG0	511.2199	0.167652	0.161279	1.039519	0.298564	0.776168	ENSMUSG0 Hfe
ENSMUSG0	1017.827	-0.17607	0.169386	-1.03945	0.298594	0.776168	ENSMUSG0 Ppp2r2d
ENSMUSG0	671.9265	-0.12819	0.123325	-1.03943	0.298603	0.776168	ENSMUSG0 Rab10os
ENSMUSG0	396.3406	-0.18686	0.179783	-1.03937	0.298635	0.776168	ENSMUSG0 Med17
ENSMUSG0	12.01555	0.968495	0.931959	1.039204	0.29871	0.776168	ENSMUSG0 Slc13a2
ENSMUSG0	18.34448	-0.7904	0.760601	-1.03918	0.298722	0.776168	ENSMUSG0 Gm37629
ENSMUSG0	2218.047	-0.29419	0.283127	-1.03907	0.298773	0.776168	ENSMUSG0 Hook1
ENSMUSG0	5.225595	0.695922	0.66978	1.039031	0.29879	0.776168	ENSMUSG0Arhgap27o:
ENSMUSG0	452.0573	-0.23626	0.227462	-1.0387	0.298945	0.776466	ENSMUSG0 Slc16a9
ENSMUSG0	213.6062	-0.35797	0.344708	-1.03849	0.299044	0.776514	ENSMUSG0 Mettl18
ENSMUSG0	514.2401	0.159912	0.153986	1.038485	0.299044	0.776514	ENSMUSG0 Dnajc27
ENSMUSG0	395.9151	-0.19268	0.185662	-1.03779	0.299367	0.777043	ENSMUSG0 Mindy3
ENSMUSG0	3140.059	-0.21827	0.210321	-1.03778	0.299372	0.777043	ENSMUSG0 Mageh1
ENSMUSG0	4.246715	0.879128	0.847166	1.037728	0.299397	0.777043	ENSMUSG01810046K0
ENSMUSG0	374.5431	-0.38189	0.36807	-1.03756	0.299475	0.777043	ENSMUSG0D630024DC
ENSMUSG0	148.7358	0.569027	0.548472	1.037477	0.299514	0.777043	ENSMUSG0 Abcc9
ENSMUSG0	260.3222	-0.19886	0.191714	-1.03729	0.299602	0.777043	ENSMUSG0 Zfp1

ENSMUSG0	10.51471	1.268805	1.223339	1.037165	0.299659	0.777043	ENSMUSG0 Ighv10-1
ENSMUSG0	770.3508	-0.15644	0.150877	-1.03689	0.299789	0.777043	ENSMUSG0 Clasp
ENSMUSG0	1387.244	0.196106	0.189134	1.036861	0.299801	0.777043	ENSMUSG0 Hpcal1
ENSMUSG0	396.563	-0.21758	0.209844	-1.03685	0.299805	0.777043	ENSMUSG0 Zfp943
ENSMUSG0	378.967	0.154637	0.149147	1.036816	0.299822	0.777043	ENSMUSG0 Sgcb
ENSMUSG0	447.3348	-0.23919	0.230708	-1.03677	0.299844	0.777043	ENSMUSG0 Med30
ENSMUSG0	50.07193	-0.31322	0.302123	-1.03674	0.299857	0.777043	ENSMUSG0 Wdr27
ENSMUSG0	8.854851	-1.45542	1.403969	-1.03665	0.299901	0.777043	ENSMUSG0 Gm18852
ENSMUSG0	2682.372	-0.13861	0.133717	-1.03661	0.299916	0.777043	ENSMUSG0 Phf1
ENSMUSG0	108.7757	0.433657	0.418361	1.036563	0.29994	0.777043	ENSMUSG0 Galnt15
ENSMUSG0	716.3852	-0.21808	0.210418	-1.03639	0.300019	0.777043	ENSMUSG0 Fubp3
ENSMUSG0	39.13987	-0.56829	0.548334	-1.03639	0.300019	0.777043	ENSMUSG0 Gm43360
ENSMUSG0	51.77733	-0.40496	0.390761	-1.03634	0.300045	0.777043	ENSMUSG0 Gm45640
ENSMUSG0	5.246149	-0.72138	0.6961	-1.03631	0.300056	0.777043	ENSMUSG0 Gm44005
ENSMUSG0	3186.941	-0.19285	0.186113	-1.03619	0.300116	0.777082	ENSMUSG0 Acaa1a
ENSMUSG0	1016.424	-0.25995	0.250941	-1.03591	0.300245	0.777082	ENSMUSG0 Gmds
ENSMUSG0	35.95228	0.378017	0.36496	1.035777	0.300306	0.777082	ENSMUSG0 Ccdc65
ENSMUSG0	796.171	-0.30291	0.292446	-1.03577	0.300309	0.777082	ENSMUSG0 Fars2
ENSMUSG0	523.9233	-0.21274	0.20543	-1.0356	0.300388	0.777082	ENSMUSG0 Zfp251
ENSMUSG0	20.28639	-1.85272	1.789057	-1.03558	0.300396	0.777082	ENSMUSG0 Gdpd2
ENSMUSG0	18.99539	0.739476	0.714102	1.035532	0.30042	0.777082	ENSMUSG0 Tdrd12
ENSMUSG0	177.0583	0.644236	0.622214	1.035391	0.300486	0.777082	ENSMUSG0 Spn
ENSMUSG0	83.27055	0.610507	0.589671	1.035335	0.300513	0.777082	ENSMUSG0 Slamf7
ENSMUSG0	386.4457	-0.15633	0.150997	-1.03533	0.300514	0.777082	ENSMUSG0 Gatc
ENSMUSG0	6393.991	-0.25283	0.2442	-1.03533	0.300515	0.777082	ENSMUSG0 Rpl15
ENSMUSG0	29.72497	-0.35988	0.34764	-1.03522	0.300567	0.777111	ENSMUSG0 Gm5640
ENSMUSG0	1667.976	-0.19862	0.191908	-1.03499	0.300671	0.777172	ENSMUSG0 Gmppb
ENSMUSG0	9.485551	-0.63851	0.616952	-1.03494	0.300695	0.777172	ENSMUSG0 Gm13861
ENSMUSG0	1156.537	-0.26394	0.255051	-1.03485	0.300738	0.777172	ENSMUSG0 Cryl1
ENSMUSG0	456.5831	0.313149	0.302618	1.034799	0.300763	0.777172	ENSMUSG0 Ctsc
ENSMUSG0	4497.798	0.190673	0.184272	1.034736	0.300792	0.777172	ENSMUSG0 Hdac6
ENSMUSG0	4.596603	-0.76426	0.738709	-1.0346	0.300858	0.777237	ENSMUSG0 Gm36976
ENSMUSG0	2686.233	-0.15915	0.153891	-1.0342	0.301041	0.777604	ENSMUSG0 Oaz1-ps
ENSMUSG0	3084.099	-0.20002	0.193497	-1.03373	0.301264	0.778004	ENSMUSG0 Cacna2d1
ENSMUSG0	2680.64	-0.10444	0.101034	-1.0337	0.301276	0.778004	ENSMUSG0 Ubqln1
ENSMUSG0	4.427016	-1.16601	1.128191	-1.03352	0.301359	0.778019	ENSMUSG0 Gm37402
ENSMUSG0	1069.59	-0.19671	0.190349	-1.03344	0.301399	0.778019	ENSMUSG0 R3hdm1
ENSMUSG0	7140.091	0.137609	0.133158	1.033428	0.301404	0.778019	ENSMUSG0 Vamp2
ENSMUSG0	4.014205	1.035086	1.001693	1.033337	0.301446	0.778025	ENSMUSG0 Gm38947
ENSMUSG0	325.6608	0.354132	0.342768	1.033153	0.301532	0.778143	ENSMUSG0 Lrrc8c
ENSMUSG0	261.7583	0.204804	0.198261	1.033005	0.301601	0.778217	ENSMUSG0 Fam126a
ENSMUSG0	10.66743	-0.51408	0.497788	-1.03273	0.301729	0.778415	ENSMUSG0 Gm15816
ENSMUSG0	408.6604	-0.15872	0.153696	-1.03266	0.301762	0.778415	ENSMUSG0 Rbm34
ENSMUSG0	314.8046	0.592904	0.574196	1.032582	0.3018	0.778415	ENSMUSG0 Myo1g
ENSMUSG0	48.95804	-0.28582	0.276884	-1.03226	0.301948	0.778428	ENSMUSG0 Cnbd2
ENSMUSG0	571.5011	0.240643	0.233148	1.032145	0.302004	0.778428	ENSMUSG0 Anks6
ENSMUSG0	140.3998	0.269997	0.261588	1.032143	0.302005	0.778428	ENSMUSG0 Dipk1a
ENSMUSG0	2372.264	0.171684	0.166353	1.032046	0.30205	0.778428	ENSMUSG0 Pigf
ENSMUSG0	20.21535	-0.38602	0.374096	-1.03187	0.302131	0.778428	ENSMUSG0 6230400D1
ENSMUSG0	13.66176	-1.92381	1.864386	-1.03187	0.302132	0.778428	ENSMUSG0 Mpo
ENSMUSG0	2774.372	0.144193	0.13975	1.031794	0.302169	0.778428	ENSMUSG0 Srsf1
ENSMUSG0	3.311961	-1.04822	1.015941	-1.03178	0.302177	0.778428	ENSMUSG0 Cnga1

ENSMUSG0	468.4894	0.188617	0.182827	1.031672	0.302226	0.778428	ENSMUSG0	Irgm1
ENSMUSG0	150.8243	-0.33303	0.32281	-1.03166	0.302231	0.778428	ENSMUSG0	Dnah2
ENSMUSG0	40.18129	0.31289	0.3033	1.031621	0.30225	0.778428	ENSMUSG0	Gm7598
ENSMUSG0	679.224	-0.41261	0.400039	-1.03143	0.30234	0.778556	ENSMUSG0	Lcorl
ENSMUSG0	342.4877	-0.19447	0.188623	-1.031	0.302541	0.778958	ENSMUSG0	Mettl8
ENSMUSG0	1018.744	-0.14542	0.141061	-1.03092	0.302577	0.778958	ENSMUSG0	Pgm3
ENSMUSG0	4.9678	1.269296	1.231342	1.030823	0.302624	0.778968	ENSMUSG0	5830432E0
ENSMUSG0	150.8237	0.347503	0.337139	1.030742	0.302662	0.778968	ENSMUSG0	Syt16
ENSMUSG0	2815.878	0.490539	0.47599	1.030565	0.302745	0.779077	ENSMUSG0	Col3a1
ENSMUSG0	47.18186	0.335301	0.325494	1.030129	0.302949	0.779499	ENSMUSG0	Gpr75
ENSMUSG0	1041.611	-0.15609	0.151555	-1.02993	0.303043	0.779636	ENSMUSG0	Cbfb
ENSMUSG0	361.3382	-0.15006	0.145712	-1.02982	0.303095	0.779665	ENSMUSG0	Card19
ENSMUSG0	342.9874	-0.32964	0.320145	-1.02965	0.303177	0.779712	ENSMUSG0	Gm20427
ENSMUSG0	13.15933	0.490482	0.476378	1.029607	0.303194	0.779712	ENSMUSG0	Ccn4
ENSMUSG0	122.5072	0.225053	0.218635	1.029356	0.303312	0.779773	ENSMUSG0	Zfp248
ENSMUSG0	174.51	-0.20444	0.198608	-1.02935	0.303315	0.779773	ENSMUSG0	Ppp1r13l
ENSMUSG0	127.6192	-0.30168	0.293097	-1.02928	0.30335	0.779773	ENSMUSG0	1190007I07
ENSMUSG0	1113.386	-0.18403	0.178825	-1.02912	0.303425	0.779773	ENSMUSG0	Fbxo33
ENSMUSG0	436.7881	-0.18106	0.175945	-1.02908	0.303444	0.779773	ENSMUSG0	Ncapd3
ENSMUSG0	117.0345	0.394176	0.383052	1.02904	0.303461	0.779773	ENSMUSG0	Pcdhga2
ENSMUSG0	138.2487	0.476545	0.463196	1.028819	0.303565	0.779872	ENSMUSG0	Serpinf1
ENSMUSG0	52.62085	-0.41209	0.400558	-1.02878	0.303581	0.779872	ENSMUSG0	Gm28151
ENSMUSG0	2554.647	-0.25947	0.252372	-1.02813	0.303888	0.780448	ENSMUSG0	Tmem214
ENSMUSG0	3.308558	1.019759	0.991917	1.028069	0.303917	0.780448	ENSMUSG0	Gm2102
ENSMUSG0	47.93936	-0.4134	0.402152	-1.02796	0.303967	0.780448	ENSMUSG0	Gm10638
ENSMUSG0	3309.265	-0.24032	0.233784	-1.02796	0.303967	0.780448	ENSMUSG0	Ociad1
ENSMUSG0	3.557227	-0.85351	0.830574	-1.02761	0.304133	0.780715	ENSMUSG0	Gm43081
ENSMUSG0	158.0099	0.196914	0.191639	1.027524	0.304174	0.780715	ENSMUSG0	Tpcn2
ENSMUSG0	837.3502	-0.15558	0.15142	-1.02748	0.304195	0.780715	ENSMUSG0	Pin1
ENSMUSG0	3477.909	-0.18424	0.179324	-1.0274	0.304234	0.780715	ENSMUSG0	Arpc5
ENSMUSG0	201.0682	-0.19018	0.185184	-1.02696	0.304441	0.780826	ENSMUSG0	Shq1
ENSMUSG0	780.7293	0.258913	0.252133	1.02689	0.304472	0.780826	ENSMUSG0	Zfp275
ENSMUSG0	5.176482	0.907904	0.884222	1.026783	0.304522	0.780826	ENSMUSG0	Ly6g6e
ENSMUSG0	1571.99	-0.25547	0.248834	-1.02668	0.304571	0.780826	ENSMUSG0	Btf3l4
ENSMUSG0	633.6756	-0.17633	0.171748	-1.02667	0.304574	0.780826	ENSMUSG0	Slc25a16
ENSMUSG0	12.42545	0.579705	0.564652	1.026659	0.304581	0.780826	ENSMUSG0	4933427E1
ENSMUSG0	471.3178	0.207235	0.201867	1.026595	0.304611	0.780826	ENSMUSG0	Msto1
ENSMUSG0	9.254391	1.009317	0.983205	1.026558	0.304628	0.780826	ENSMUSG0	Hydin
ENSMUSG0	1473.766	-0.19727	0.192198	-1.02636	0.30472	0.780826	ENSMUSG0	Cdc34
ENSMUSG0	382.7556	-0.23405	0.228048	-1.02631	0.304744	0.780826	ENSMUSG0	Dzip1l
ENSMUSG0	77.79497	-0.23378	0.227802	-1.02627	0.304767	0.780826	ENSMUSG0	Mok
ENSMUSG0	579.6794	-0.30024	0.29257	-1.02622	0.304787	0.780826	ENSMUSG0	Dcun1d1
ENSMUSG0	250.5642	0.881639	0.859142	1.026185	0.304805	0.780826	ENSMUSG0	Csf2rb
ENSMUSG0	7.987048	-0.86237	0.840754	-1.02571	0.305031	0.781221	ENSMUSG0	Gm37733
ENSMUSG0	536.8477	0.181616	0.177089	1.025562	0.305098	0.781221	ENSMUSG0	Bbs1
ENSMUSG0	14.63379	-0.576	0.561645	-1.02555	0.305104	0.781221	ENSMUSG0	Plekhd1
ENSMUSG0	1322.211	-0.13073	0.127487	-1.02544	0.305153	0.781221	ENSMUSG0	Arsa
ENSMUSG0	169.1807	-0.33884	0.330438	-1.02543	0.305162	0.781221	ENSMUSG0	Syce2
ENSMUSG0	194.7902	0.176667	0.172351	1.025042	0.305343	0.781524	ENSMUSG0	Rnf32
ENSMUSG0	110.4472	0.904952	0.882877	1.025004	0.305361	0.781524	ENSMUSG0	Cd3g
ENSMUSG0	543.6968	1.00325	0.979142	1.024622	0.305541	0.781881	ENSMUSG0	Cartpt
ENSMUSG0	546.3756	-0.39817	0.388681	-1.02442	0.305637	0.782021	ENSMUSG0	Sec61g

ENSMUSG0	4.134212	0.908702	0.887176	1.024264	0.305711	0.782043	ENSMUSG0 Ak9
ENSMUSG0	746.5533	0.210302	0.205327	1.02423	0.305727	0.782043	ENSMUSG0 Lrch3
ENSMUSG0	582.387	-0.24417	0.238421	-1.02412	0.305778	0.782069	ENSMUSG0 Rfx3
ENSMUSG0	44.6389	0.731637	0.714625	1.023806	0.305927	0.782193	ENSMUSG0 Abcg3
ENSMUSG0	468.7679	0.21285	0.207908	1.023769	0.305944	0.782193	ENSMUSG0 Celf6
ENSMUSG0	261.7916	-0.18428	0.180002	-1.02375	0.305952	0.782193	ENSMUSG0 Bbs7
ENSMUSG0	2983.455	-0.16253	0.158772	-1.02367	0.305993	0.782193	ENSMUSG0 Zfp91
ENSMUSG0	636.4958	0.147062	0.143685	1.023505	0.306069	0.782193	ENSMUSG0 Ercc3
ENSMUSG0	4165.645	0.157799	0.154175	1.023503	0.30607	0.782193	ENSMUSG0 Chpf
ENSMUSG0	2114.507	-0.19079	0.186457	-1.02323	0.3062	0.782422	ENSMUSG0 Mark2
ENSMUSG0	89.57203	-0.32244	0.315146	-1.02313	0.306245	0.782433	ENSMUSG0 Gm20498
ENSMUSG0	160.8555	-0.25362	0.247921	-1.02297	0.30632	0.782519	ENSMUSG09030407P2
ENSMUSG0	810.3588	-0.1251	0.122311	-1.02276	0.306422	0.782586	ENSMUSG0 Pex14
ENSMUSG0	587.41	-0.1088	0.106389	-1.02266	0.306469	0.782586	ENSMUSG0 Maneal
ENSMUSG0	3.185861	0.870648	0.851399	1.022609	0.306493	0.782586	ENSMUSG0 Gm47980
ENSMUSG0	53.71097	0.355975	0.348129	1.022539	0.306526	0.782586	ENSMUSG0 Dna2
ENSMUSG0	3.046323	1.323332	1.294226	1.022489	0.30655	0.782586	ENSMUSG0 Gm7729
ENSMUSG0	5.172357	0.904108	0.884364	1.022326	0.306626	0.782653	ENSMUSG0 Osr2
ENSMUSG0	114.4619	0.332013	0.324782	1.022262	0.306657	0.782653	ENSMUSG0 Arhgap11a
ENSMUSG0	5.637909	0.82835	0.810438	1.022102	0.306733	0.782653	ENSMUSG05730522E0
ENSMUSG0	516.4762	-0.19435	0.190147	-1.02209	0.306738	0.782653	ENSMUSG0 Tmcc1
ENSMUSG0	5.8151	0.729901	0.714445	1.021633	0.306955	0.783101	ENSMUSG0 Gm15246
ENSMUSG0	894.5669	-0.18329	0.179428	-1.02154	0.307	0.783114	ENSMUSG0 Fbxl6
ENSMUSG0	10.28331	-0.73306	0.717796	-1.02126	0.307131	0.783343	ENSMUSG0 Hotairm1
ENSMUSG0	1552.662	-0.27143	0.265808	-1.02115	0.307182	0.78337	ENSMUSG0 Micos13
ENSMUSG0	11.59205	0.835136	0.81802	1.020923	0.307291	0.78347	ENSMUSG0 Gbgt1
ENSMUSG0	618.4431	-0.24891	0.243831	-1.02081	0.307342	0.78347	ENSMUSG0 Emc4
ENSMUSG0	1228.362	0.200267	0.196198	1.020738	0.307379	0.78347	ENSMUSG0 Elp1
ENSMUSG0	922.0638	-0.20721	0.203063	-1.02044	0.307522	0.78347	ENSMUSG0 Cyth1
ENSMUSG0	7.223378	0.725842	0.711404	1.020295	0.307588	0.78347	ENSMUSG0D930028M
ENSMUSG0	4.291856	0.829176	0.812685	1.020293	0.30759	0.78347	ENSMUSG0 Gm47270
ENSMUSG0	1609.482	-0.15975	0.156591	-1.02015	0.307658	0.78347	ENSMUSG0 Atf6b
ENSMUSG0	4.487344	-0.82318	0.806933	-1.02014	0.307663	0.78347	ENSMUSG0 Fam209
ENSMUSG0	356.3395	0.221055	0.216722	1.01999	0.307733	0.78347	ENSMUSG0 Lrnf1
ENSMUSG0	431.6816	-0.19336	0.18959	-1.01991	0.307772	0.78347	ENSMUSG0 Tmem80
ENSMUSG0	21.79659	0.334208	0.32774	1.019735	0.307854	0.78347	ENSMUSG0 Ak8
ENSMUSG0	2240.982	-0.29829	0.29253	-1.0197	0.307871	0.78347	ENSMUSG0 Gm11518
ENSMUSG0	7.80155	-0.55341	0.542805	-1.01954	0.307946	0.78347	ENSMUSG0 Gm43075
ENSMUSG0	5.724749	0.875242	0.858677	1.019291	0.308065	0.78347	ENSMUSG0 Gm37678
ENSMUSG0	108.922	0.476258	0.467311	1.019146	0.308134	0.78347	ENSMUSG0 Gm20186
ENSMUSG0	1224.448	0.276813	0.271633	1.01907	0.30817	0.78347	ENSMUSG0 Ikbip
ENSMUSG0	2786.592	-0.16747	0.164339	-1.01907	0.308172	0.78347	ENSMUSG0 Arglu1
ENSMUSG0	124.798	0.383222	0.376053	1.019064	0.308173	0.78347	ENSMUSG0 Ly75
ENSMUSG0	391.1849	0.3314	0.325259	1.01888	0.30826	0.78347	ENSMUSG0 Higd1a
ENSMUSG0	21.86845	-0.50139	0.492123	-1.01882	0.308286	0.78347	ENSMUSG0 Gm13205
ENSMUSG0	738.9066	-0.1458	0.143128	-1.01868	0.308357	0.78347	ENSMUSG0 P4htm
ENSMUSG0	39.05055	-0.35249	0.346082	-1.01851	0.308436	0.78347	ENSMUSG04833413G1
ENSMUSG0	4.824025	1.145623	1.124845	1.018472	0.308454	0.78347	ENSMUSG0 Cnmd
ENSMUSG0	6272.234	-0.18201	0.178717	-1.01841	0.308484	0.78347	ENSMUSG0 Ssr2
ENSMUSG0	8058.423	-0.21096	0.207154	-1.01839	0.308492	0.78347	ENSMUSG0 Ece1
ENSMUSG0	1230.037	-0.17285	0.169748	-1.01826	0.308554	0.78347	ENSMUSG0 Trmt2a
ENSMUSG0	80.39034	0.662215	0.650417	1.018139	0.308612	0.78347	ENSMUSG0 Nr4a3

ENSMUSG0	4393.731	0.145967	0.14338	1.018048	0.308655	0.78347	ENSMUSG0 Actn4
ENSMUSG0	10.47072	-0.64537	0.633944	-1.01803	0.308664	0.78347	ENSMUSG0 Chad
ENSMUSG0	12.96896	0.859509	0.844357	1.017945	0.308704	0.78347	ENSMUSG0 Wdr86
ENSMUSG0	12220.28	-0.16556	0.162652	-1.01789	0.30873	0.78347	ENSMUSG0 Lamp1
ENSMUSG0	254.3574	-0.26957	0.26485	-1.01781	0.308766	0.78347	ENSMUSG02010320M:
ENSMUSG0	1154.74	0.18852	0.185224	1.017794	0.308776	0.78347	ENSMUSG0 Slc27a1
ENSMUSG0	7.391163	1.007873	0.990394	1.017649	0.308845	0.78347	ENSMUSG0 Irgc1
ENSMUSG0	174.3107	0.199539	0.196079	1.017643	0.308848	0.78347	ENSMUSG0 Slc25a27
ENSMUSG0	45.75034	-0.27964	0.274865	-1.01738	0.308971	0.78347	ENSMUSG0 Gm31024
ENSMUSG0	174.0489	-0.45633	0.448548	-1.01735	0.308988	0.78347	ENSMUSG0 Ghrl
ENSMUSG0	590.0763	-0.1792	0.176168	-1.01722	0.309051	0.78347	ENSMUSG0 Prpf4
ENSMUSG0	4060.94	-0.16851	0.165659	-1.01718	0.309068	0.78347	ENSMUSG0Macroh2a1
ENSMUSG0	3117.801	-0.26227	0.257848	-1.01714	0.309086	0.78347	ENSMUSG0 Gbf1
ENSMUSG0	2112.062	-0.27119	0.266646	-1.01703	0.309141	0.78347	ENSMUSG0 Safb2
ENSMUSG0	19.9952	0.380457	0.374093	1.017013	0.309147	0.78347	ENSMUSG0 Junos
ENSMUSG0	630.4557	-0.16898	0.166158	-1.01696	0.30917	0.78347	ENSMUSG0 Kxd1
ENSMUSG0	1317.987	0.307252	0.30222	1.016652	0.309319	0.78347	ENSMUSG0 Unc13a
ENSMUSG0	319.1369	0.21967	0.216078	1.016626	0.309331	0.78347	ENSMUSG0 Wwp1
ENSMUSG0	6953.661	-0.39849	0.391989	-1.01659	0.30935	0.78347	ENSMUSG0 Reep5
ENSMUSG0	793.755	0.162848	0.160206	1.016491	0.309396	0.78347	ENSMUSG0 Ltbr
ENSMUSG0	1368.52	0.207532	0.204178	1.016423	0.309428	0.78347	ENSMUSG0 Dennd5a
ENSMUSG0	240.0814	0.264938	0.260659	1.016414	0.309432	0.78347	ENSMUSG0 Blvrb
ENSMUSG0	3884.503	0.210243	0.206861	1.016347	0.309464	0.78347	ENSMUSG0Tmem176a
ENSMUSG0	424.6079	-0.22961	0.225933	-1.01629	0.309492	0.78347	ENSMUSG0 Blzf1
ENSMUSG0	8.01239	0.570673	0.561621	1.016117	0.309573	0.78347	ENSMUSG0 Satb2
ENSMUSG0	27.4612	-0.38804	0.381895	-1.01608	0.309589	0.78347	ENSMUSG0A230060F1
ENSMUSG0	5.066651	-0.94628	0.931529	-1.01583	0.30971	0.78347	ENSMUSG0 Clhc1
ENSMUSG0	1376.588	-0.40438	0.398095	-1.01579	0.30973	0.78347	ENSMUSG0 Crebbp
ENSMUSG0	1460.545	-0.20589	0.202693	-1.01578	0.309736	0.78347	ENSMUSG0 Rbm17
ENSMUSG0	186.3126	0.204442	0.201276	1.015731	0.309758	0.78347	ENSMUSG0 Zfp626
ENSMUSG0	566.3885	0.147569	0.145284	1.015725	0.30976	0.78347	ENSMUSG0 Ube2d1
ENSMUSG0	4.533597	0.790968	0.778771	1.015662	0.309791	0.78347	ENSMUSG0 Gm37509
ENSMUSG0	446.4396	0.216726	0.213422	1.015484	0.309875	0.78347	ENSMUSG0 Zfp280b
ENSMUSG0	196.6554	0.279335	0.275077	1.01548	0.309877	0.78347	ENSMUSG0 Bicdl2
ENSMUSG0	1693.087	-0.19062	0.187717	-1.01547	0.309884	0.78347	ENSMUSG0 Ybx3
ENSMUSG0	730.3201	-0.37875	0.372989	-1.01543	0.309899	0.78347	ENSMUSG0 Psd4
ENSMUSG0	260.4036	-0.28046	0.276219	-1.01534	0.309943	0.78347	ENSMUSG0 Pin4
ENSMUSG0	1726.46	-0.20949	0.206359	-1.01518	0.310022	0.78347	ENSMUSG0 Inpp11
ENSMUSG0	805.9559	0.198093	0.195143	1.015115	0.310051	0.78347	ENSMUSG0 Marchf2
ENSMUSG0	5.442558	0.757563	0.746294	1.0151	0.310058	0.78347	ENSMUSG0 Gm20621
ENSMUSG0	207.0263	-0.22596	0.222615	-1.01505	0.310084	0.78347	ENSMUSG0 Efhc2
ENSMUSG0	179.9452	-0.14289	0.140775	-1.015	0.310107	0.78347	ENSMUSG0 Zfp959
ENSMUSG0	3000.408	-0.25318	0.249491	-1.01478	0.310209	0.78347	ENSMUSG0 Atp8b1
ENSMUSG0	29.07777	0.524574	0.516938	1.014772	0.310215	0.78347	ENSMUSG0 Rem1
ENSMUSG0	625.8945	-0.21099	0.207941	-1.01467	0.310264	0.78347	ENSMUSG0 Tmem199
ENSMUSG0	1000.204	-0.26753	0.263664	-1.01465	0.31027	0.78347	ENSMUSG0 Dph3
ENSMUSG0	26.95107	0.706992	0.696814	1.014606	0.310294	0.78347	ENSMUSG0 Klrd1
ENSMUSG0	337.321	-0.15369	0.151489	-1.01456	0.310317	0.78347	ENSMUSG0 Gpn2
ENSMUSG0	16.01239	0.768319	0.757367	1.01446	0.310363	0.783484	ENSMUSG0 Cxcl14
ENSMUSG0	730.5379	-0.22087	0.217747	-1.01435	0.310415	0.783513	ENSMUSG0 Apba1
ENSMUSG0	1168.398	-0.20326	0.200408	-1.01422	0.310477	0.783564	ENSMUSG0 Cep104
ENSMUSG0	5.211407	-0.93601	0.923131	-1.01395	0.310608	0.783614	ENSMUSG0 Gm42436

ENSMUSG0	2749.011	-0.18605	0.183524	-1.01379	0.310685	0.783614	ENSMUSG0 Mkrn1
ENSMUSG0	2680.227	-0.1968	0.194133	-1.01373	0.310709	0.783614	ENSMUSG0 Syt4
ENSMUSG0	446.7502	-0.1343	0.132494	-1.01366	0.310745	0.783614	ENSMUSG0 Ctu2
ENSMUSG0	8.901971	-0.61263	0.604504	-1.01345	0.310845	0.783614	ENSMUSG0Hmgb1-rs1
ENSMUSG0	1891.027	-0.7689	0.758722	-1.01342	0.310861	0.783614	ENSMUSG0 Ckmt1
ENSMUSG0	6.895918	-0.73838	0.728619	-1.0134	0.31087	0.783614	ENSMUSG0C630004M:
ENSMUSG0	2116.905	-0.20578	0.203082	-1.0133	0.310915	0.783614	ENSMUSG0 Elof1
ENSMUSG0	1692.146	-0.15376	0.151741	-1.01328	0.310926	0.783614	ENSMUSG0 Sec23ip
ENSMUSG0	14.84568	-0.48968	0.483342	-1.01312	0.311005	0.783614	ENSMUSG0 Gm38250
ENSMUSG0	15.26224	0.555668	0.54863	1.012829	0.311142	0.783614	ENSMUSG0 Olfr1396
ENSMUSG0	108.6793	-0.24081	0.237799	-1.01265	0.311123	0.783614	ENSMUSG0 Tifa
ENSMUSG0	129.3546	-0.21034	0.20772	-1.01264	0.311233	0.783614	ENSMUSG0 Gm43737
ENSMUSG0	1214.864	-0.17527	0.173082	-1.01263	0.311238	0.783614	ENSMUSG0 Arel1
ENSMUSG0	321.0508	-0.18165	0.179386	-1.01262	0.311242	0.783614	ENSMUSG0 Pdp2
ENSMUSG0	158.0813	0.313285	0.309394	1.012576	0.311263	0.783614	ENSMUSG0 Rnasel
ENSMUSG0	36.81937	-0.35342	0.349038	-1.01257	0.311266	0.783614	ENSMUSG03110070M:
ENSMUSG0	410.478	0.170134	0.168027	1.012539	0.311128	0.783614	ENSMUSG0 Pcnx4
ENSMUSG0	112.0336	-0.28199	0.278503	-1.01253	0.311283	0.783614	ENSMUSG0 Fam189a1
ENSMUSG0	685.2879	0.133627	0.13198	1.012475	0.311311	0.783614	ENSMUSG0 Galnt12
ENSMUSG0	1665.48	-0.12352	0.122033	-1.01215	0.311466	0.783798	ENSMUSG0 Tox4
ENSMUSG0	1450.707	-0.22463	0.221945	-1.01211	0.311484	0.783798	ENSMUSG0 Rnf44
ENSMUSG0	2.939907	-0.90073	0.889987	-1.01207	0.311506	0.783798	ENSMUSG0 Gm5869
ENSMUSG0	2.944572	1.197395	1.18337	1.011852	0.311609	0.783953	ENSMUSG0 Wdr95
ENSMUSG0	153.8445	0.279241	0.276038	1.011603	0.311728	0.784014	ENSMUSG0 Wars2
ENSMUSG0	2459.53	-0.11395	0.112659	-1.01144	0.311806	0.784014	ENSMUSG0 Ppm1g
ENSMUSG0	384.5977	0.224961	0.222437	1.011347	0.311185	0.784014	ENSMUSG0 Tmem175
ENSMUSG0	1922.128	-0.12583	0.124422	-1.01131	0.311869	0.784014	ENSMUSG0 Ssbp4
ENSMUSG0	972.0704	0.230429	0.227857	1.011291	0.311877	0.784014	ENSMUSG0 Ankle2
ENSMUSG0	85.40265	-0.19587	0.193713	-1.01115	0.311944	0.784079	ENSMUSG0 Kif17
ENSMUSG0	204.9845	-0.25357	0.250841	-1.01088	0.312074	0.784194	ENSMUSG0 Srfbp1
ENSMUSG0	3.1689	0.981239	0.970746	1.01081	0.312107	0.784194	ENSMUSG0 Kcnh4
ENSMUSG0	7321.673	-0.18686	0.184869	-1.01079	0.312116	0.784194	ENSMUSG0 Ndfip1
ENSMUSG0	917.551	-0.13575	0.134322	-1.01064	0.312187	0.784194	ENSMUSG0 Nprl3
ENSMUSG0	295.9327	0.316872	0.313539	1.01063	0.312194	0.784194	ENSMUSG0 Asic2
ENSMUSG0	41.48563	0.503695	0.49864	1.010138	0.312429	0.78465	ENSMUSG0 Gpr68
ENSMUSG0	36.04772	0.544047	0.538665	1.00999	0.3125	0.78465	ENSMUSG0 Gm45221
ENSMUSG0	3.583452	-1.26208	1.24967	-1.00993	0.312529	0.78465	ENSMUSG0 Gm37314
ENSMUSG0	1385.593	0.287088	0.284271	1.00991	0.312539	0.78465	ENSMUSG0 Myo5a
ENSMUSG0	56.51775	0.326489	0.32334	1.00974	0.31262	0.784752	ENSMUSG0 Inka1
ENSMUSG0	3.152079	1.091489	1.081107	1.009603	0.312686	0.784807	ENSMUSG0 Elfn1
ENSMUSG0	683.2486	-0.20418	0.202251	-1.00952	0.312723	0.784807	ENSMUSG0 Alkbh1
ENSMUSG0	567.5691	0.1611	0.159619	1.009281	0.31284	0.784997	ENSMUSG0 Zfp956
ENSMUSG0	976.2247	-0.22376	0.221748	-1.00908	0.312938	0.785094	ENSMUSG0 Cetn3
ENSMUSG0	217.3744	0.258845	0.256558	1.008913	0.313016	0.785094	ENSMUSG0 Mpv17l
ENSMUSG0	704.3594	-0.12568	0.124571	-1.0089	0.313023	0.785094	ENSMUSG0 Sigmar1
ENSMUSG0	3545.706	-0.10674	0.1058	-1.00886	0.313042	0.785094	ENSMUSG0 Atp6v0a1
ENSMUSG0	35400.24	-0.53062	0.526034	-1.00871	0.313111	0.785167	ENSMUSG0 Dmbt1
ENSMUSG0	129.0257	0.487914	0.483759	1.008588	0.313172	0.785216	ENSMUSG0Tmem255b
ENSMUSG0	350.7585	-0.18247	0.180958	-1.00834	0.313292	0.785353	ENSMUSG0 Zmat5
ENSMUSG0	35538.97	-0.24218	0.24022	-1.00818	0.31337	0.785353	ENSMUSG0 Hspa8
ENSMUSG0	46.85703	-0.81622	0.809748	-1.00799	0.313459	0.785353	ENSMUSG0 Gzma
ENSMUSG0	139.954	-0.21337	0.211702	-1.00788	0.313512	0.785353	ENSMUSG0 Lrrc36

ENSMUSG0	705.3253	0.205911	0.204313	1.007822	0.31354	0.785353	ENSMUSG0 Prkcd
ENSMUSG0	715.0745	-0.2302	0.228416	-1.00782	0.313543	0.785353	ENSMUSG0 Ndufa12
ENSMUSG0	2434.667	-0.14268	0.141576	-1.00779	0.313553	0.785353	ENSMUSG0 Limd1
ENSMUSG0	3.276091	-1.04274	1.035005	-1.00747	0.313707	0.785591	ENSMUSG09030404E1
ENSMUSG0	473.7977	-0.27977	0.277705	-1.00743	0.31373	0.785591	ENSMUSG0 Eef1akmt1
ENSMUSG0	20.69462	-0.48224	0.478889	-1.00699	0.313938	0.786008	ENSMUSG0 Tbx6
ENSMUSG0	463.2755	0.510336	0.506862	1.006855	0.314004	0.786074	ENSMUSG0 Nckap1l
ENSMUSG0	294.6784	-0.1469	0.145911	-1.00675	0.314055	0.786098	ENSMUSG0 Wscd1
ENSMUSG0	136.2789	0.248417	0.246787	1.006607	0.314124	0.786167	ENSMUSG0 Hmox1
ENSMUSG0	2289.469	-0.25704	0.255408	-1.00639	0.314229	0.786328	ENSMUSG0 Hspa13
ENSMUSG0	8.747142	0.67901	0.674802	1.006236	0.314302	0.786384	ENSMUSG0 Gm43375
ENSMUSG0	2493.426	-0.31411	0.312188	-1.00617	0.314333	0.786384	ENSMUSG0 Rpl31
ENSMUSG0	289620.6	-0.39042	0.38812	-1.00592	0.314456	0.786575	ENSMUSG0 Amy2a4
ENSMUSG0	6030.203	-0.12107	0.120369	-1.00584	0.314491	0.786575	ENSMUSG0 Rap1b
ENSMUSG0	2635.362	-0.30264	0.300968	-1.00556	0.314626	0.786729	ENSMUSG0 Mia2
ENSMUSG0	1287.613	-0.16332	0.162422	-1.00555	0.314634	0.786729	ENSMUSG0 Mms19
ENSMUSG0	40.06494	0.490073	0.487471	1.005336	0.314735	0.7868	ENSMUSG0 Nkain4
ENSMUSG0	465.7353	-0.19237	0.191362	-1.00524	0.314779	0.7868	ENSMUSG0 Etv5
ENSMUSG0	57.70491	0.48419	0.481671	1.005232	0.314785	0.7868	ENSMUSG0 Phf11d
ENSMUSG0	6.993033	-1.01203	1.007052	-1.00494	0.314924	0.786928	ENSMUSG0 Gm38182
ENSMUSG0	3.298665	0.927568	0.923062	1.004882	0.314954	0.786928	ENSMUSG0 Gm35048
ENSMUSG0	26.67613	0.38813	0.386274	1.004805	0.314991	0.786928	ENSMUSG0 Gata6os
ENSMUSG0	519.8988	-0.17046	0.169651	-1.00479	0.315	0.786928	ENSMUSG0 Snrnp40
ENSMUSG0	4.298593	1.111373	1.106328	1.004561	0.315108	0.787096	ENSMUSG0 Ntsr1
ENSMUSG0	8.394367	-0.66553	0.662565	-1.00447	0.315152	0.787103	ENSMUSG0 Gm16386
ENSMUSG0	47.21085	0.647467	0.644818	1.004107	0.315327	0.787437	ENSMUSG0 Star
ENSMUSG0	567.4036	0.189832	0.189074	1.004011	0.315373	0.787451	ENSMUSG0 Il13ra1
ENSMUSG0	7.701252	-1.6045	1.598518	-1.00374	0.315503	0.787531	ENSMUSG0 Pla2g12b
ENSMUSG0	28.12336	-0.45621	0.454518	-1.00372	0.315515	0.787531	ENSMUSG0 Gm49519
ENSMUSG0	1833.102	0.31007	0.30893	1.00369	0.315528	0.787531	ENSMUSG0 Tspan8
ENSMUSG0	1085.483	0.284229	0.283211	1.003595	0.315574	0.787543	ENSMUSG0 Col15a1
ENSMUSG0	202.6932	-0.43012	0.428815	-1.00304	0.315843	0.788113	ENSMUSG0 Gm4013
ENSMUSG0	3351.749	-0.23664	0.235998	-1.0027	0.316005	0.788307	ENSMUSG0 Deptor
ENSMUSG0	909.6278	0.30234	0.301561	1.002582	0.316063	0.788307	ENSMUSG0 Unc79
ENSMUSG0	498.0862	-0.14959	0.149208	-1.00256	0.316074	0.788307	ENSMUSG0 Ltv1
ENSMUSG0	40.15412	0.371177	0.370275	1.002435	0.316134	0.788307	ENSMUSG0 Cap2
ENSMUSG0	620.3554	0.308366	0.307644	1.002348	0.316176	0.788307	ENSMUSG0 Dnal1
ENSMUSG0	490.9394	-0.21367	0.213175	-1.00234	0.316177	0.788307	ENSMUSG0 Slc17a9
ENSMUSG0	46.16908	0.469529	0.468461	1.00228	0.316208	0.788307	ENSMUSG0 Myzap
ENSMUSG0	15.20348	0.536625	0.535572	1.001966	0.31636	0.788584	ENSMUSG0 Gpr34
ENSMUSG0	4.100761	0.946008	0.944246	1.001867	0.316408	0.7886	ENSMUSG04932441J04
ENSMUSG0	57.04317	0.260403	0.259939	1.001783	0.316449	0.7886	ENSMUSG0 Elovl4
ENSMUSG0	468.2745	-0.29067	0.290251	-1.00144	0.316613	0.788908	ENSMUSG0 Entpd7
ENSMUSG0	274.3143	-2.39348	2.390436	-1.00127	0.316694	0.789007	ENSMUSG0 Rps7-ps3
ENSMUSG0	1394.733	-0.38964	0.389185	-1.00118	0.316742	0.789024	ENSMUSG0 Akr1c19
ENSMUSG0	17.22226	-0.46599	0.465574	-1.0009	0.316875	0.789254	ENSMUSG0 Adam4
ENSMUSG0	1032.532	-0.13025	0.13015	-1.00076	0.316942	0.789318	ENSMUSG0 Tnfrsf1a
ENSMUSG0	367.0159	-0.21124	0.211131	-1.00054	0.317048	0.789481	ENSMUSG0 Rom1
ENSMUSG0	131.085	0.241915	0.241824	1.000377	0.317128	0.789578	ENSMUSG0 Wdr76
ENSMUSG0	343.1364	0.183345	0.183326	1.000101	0.317261	0.789807	ENSMUSG0 Fgfr1op
ENSMUSG0	4306.802	-0.16918	0.16919	-0.99991	0.317355	0.789918	ENSMUSG0 Pgrmc1
ENSMUSG0	82.50949	-0.27387	0.27391	-0.99984	0.317388	0.789918	ENSMUSG0 Gm13375

ENSMUSG0	414.1413	-0.26111	0.261174	-0.99974	0.317436	0.789934	ENSMUSG0 Mrpl46
ENSMUSG0	74.82286	-0.33596	0.33613	-0.9995	0.317553	0.790039	ENSMUSG0 Klf8
ENSMUSG0	3.516181	-1.03105	1.031782	-0.99929	0.317656	0.790039	ENSMUSG0 Gm48822
ENSMUSG0	283.5851	-0.17733	0.177459	-0.99925	0.317674	0.790039	ENSMUSG0 Srbd1
ENSMUSG0	16.96401	0.457224	0.45757	0.999244	0.317677	0.790039	ENSMUSG0 Gm14964
ENSMUSG0	45.98304	-0.5427	0.543123	-0.99923	0.317683	0.790039	ENSMUSG0 Nexn
ENSMUSG0	115.4907	-0.29564	0.295949	-0.99896	0.317812	0.790257	ENSMUSG0 Cnnm1
ENSMUSG0	413.7574	0.319199	0.319563	0.99886	0.317862	0.79028	ENSMUSG0 Edn3
ENSMUSG0	263.1955	-0.39891	0.399476	-0.99859	0.317993	0.790504	ENSMUSG0 Pls1
ENSMUSG0	580.5079	-0.18823	0.188522	-0.99845	0.318061	0.790523	ENSMUSG0 Tctn3
ENSMUSG0	12.66764	-0.60056	0.60155	-0.99836	0.318106	0.790523	ENSMUSG0 Fbxo24
ENSMUSG0	545.2149	-0.13252	0.132739	-0.99832	0.318124	0.790523	ENSMUSG0 Dcun1d2
ENSMUSG0	54.02884	-0.49204	0.492978	-0.9981	0.31823	0.790608	ENSMUSG0 Hnf4g
ENSMUSG0	416.6546	0.385741	0.386483	0.99808	0.318241	0.790608	ENSMUSG0 Rasa3
ENSMUSG0	2574.943	-0.15929	0.159633	-0.99784	0.318358	0.790797	ENSMUSG0 Abca7
ENSMUSG0	2181.898	-0.16227	0.162641	-0.99771	0.318418	0.790845	ENSMUSG0 Ncam1
ENSMUSG0	40.34279	0.37885	0.379791	0.997521	0.318512	0.790897	ENSMUSG0 Cdca5
ENSMUSG0	9.744921	-0.5226	0.523906	-0.9975	0.318522	0.790897	ENSMUSG0 Gm16984
ENSMUSG0	22.47571	0.527573	0.529326	0.996689	0.318916	0.791742	ENSMUSG0 Col4a6
ENSMUSG0	9.449198	0.703512	0.705932	0.996572	0.318972	0.791742	ENSMUSG0 Gm3336
ENSMUSG0	11.24424	-0.53237	0.534214	-0.99655	0.318985	0.791742	ENSMUSG0 Chil1
ENSMUSG0	1674.142	-0.26344	0.264382	-0.99642	0.319045	0.791788	ENSMUSG0 Atp5j
ENSMUSG0	806.4706	0.375227	0.376658	0.996201	0.319152	0.791952	ENSMUSG0 B4galnt1
ENSMUSG0	1476.243	-0.27761	0.278702	-0.99608	0.319209	0.79197	ENSMUSG0 Igfbp3
ENSMUSG0	4.058903	-0.83362	0.836953	-0.99602	0.319242	0.79197	ENSMUSG0 Gm43889
ENSMUSG0	1579.552	-0.2728	0.273972	-0.99574	0.319376	0.792115	ENSMUSG0 Dusp11
ENSMUSG0	31.37015	0.691825	0.694884	0.995597	0.319446	0.792115	ENSMUSG0 Npy1r
ENSMUSG0	1848.228	-0.20442	0.205336	-0.99552	0.319481	0.792115	ENSMUSG0 Ndufs7
ENSMUSG0	565.2476	-0.27685	0.278111	-0.99548	0.319503	0.792115	ENSMUSG0 Nudt14
ENSMUSG0	538.3588	0.357502	0.359128	0.995473	0.319506	0.792115	ENSMUSG0 Vps45
ENSMUSG0	952.6467	0.221428	0.222489	0.99523	0.319624	0.792306	ENSMUSG0 Arrdc3
ENSMUSG0	5761.437	-0.29406	0.29552	-0.99505	0.319713	0.792335	ENSMUSG0 Rps25
ENSMUSG0	292.1381	-0.32802	0.329676	-0.99498	0.319748	0.792335	ENSMUSG0 Shisa2
ENSMUSG0	6.66203	0.776276	0.780215	0.994952	0.31976	0.792335	ENSMUSG0 Gm42433
ENSMUSG0	4160.116	-0.24735	0.248667	-0.99472	0.319872	0.792404	ENSMUSG0 Atp2b1
ENSMUSG0	50.56238	0.669427	0.673012	0.994673	0.319895	0.792404	ENSMUSG0 Lcn2
ENSMUSG0	206.7355	-0.23352	0.234794	-0.99457	0.319945	0.792404	ENSMUSG0 Ggnbp1
ENSMUSG0	23.2445	0.477665	0.48028	0.994556	0.319952	0.792404	ENSMUSG0 Al854703
ENSMUSG0	162.8979	0.387849	0.390039	0.994386	0.320035	0.792507	ENSMUSG0 Cep85l
ENSMUSG0	76.97143	0.5388	0.541918	0.994246	0.320103	0.792573	ENSMUSG0 Gbp5
ENSMUSG0	647.9401	-0.20832	0.209582	-0.99397	0.320238	0.792631	ENSMUSG0 Cipc
ENSMUSG0	139.8213	0.310662	0.312664	0.993598	0.320418	0.792631	ENSMUSG0 Nemp2
ENSMUSG0	114.6487	0.377777	0.380242	0.993518	0.320458	0.792631	ENSMUSG0 Trim16
ENSMUSG0	3816	-0.12388	0.12469	-0.99351	0.32046	0.792631	ENSMUSG0 Dcaf8
ENSMUSG0	470.4314	-0.14525	0.146206	-0.99349	0.320472	0.792631	ENSMUSG0 Heatr6
ENSMUSG0	124.2048	0.473236	0.476346	0.993471	0.320481	0.792631	ENSMUSG0 Trem12
ENSMUSG0	3.546557	-1.16522	1.172901	-0.99345	0.32049	0.792631	ENSMUSG0 Gm43320
ENSMUSG0	280.5925	-0.22037	0.221837	-0.9934	0.320515	0.792631	ENSMUSG0 Pdf
ENSMUSG0	2424.389	-0.17909	0.180289	-0.99333	0.320551	0.792631	ENSMUSG0 Cmip
ENSMUSG0	35346.16	-0.24313	0.24476	-0.99332	0.320553	0.792631	ENSMUSG0 Hspa5
ENSMUSG0	3.72603	-1.24982	1.258588	-0.99303	0.320693	0.792631	ENSMUSG0 Cdsn
ENSMUSG0	296.5417	0.401867	0.404762	0.992847	0.320785	0.792631	ENSMUSG0 Cyth4

ENSMUSG0	86.54986	0.342157	0.344624	0.992841	0.320787	0.792631	ENSMUSG0 Kif26a
ENSMUSG0	14.21375	0.585573	0.589805	0.992824	0.320796	0.792631	ENSMUSG0 Chsy3
ENSMUSG0	560.8741	-0.19738	0.198827	-0.9927	0.320854	0.792631	ENSMUSG0 Utp18
ENSMUSG0	1126.07	0.166969	0.168223	0.992546	0.320931	0.792631	ENSMUSG0 Evl
ENSMUSG0	8.088235	0.720213	0.725633	0.992531	0.320939	0.792631	ENSMUSG0 Gm47664
ENSMUSG0	6.430567	-0.70475	0.710105	-0.99245	0.320976	0.792631	ENSMUSG06330562C2
ENSMUSG0	27.75785	0.36058	0.363322	0.992452	0.320977	0.792631	ENSMUSG0 Guca1b
ENSMUSG0	434.1447	-0.21148	0.213104	-0.99238	0.321013	0.792631	ENSMUSG0 Adgrl4
ENSMUSG0	458.7693	-0.23129	0.233097	-0.99224	0.321079	0.792631	ENSMUSG0 Eno3
ENSMUSG0	456.2043	0.4205	0.423836	0.992131	0.321134	0.792631	ENSMUSG0 Neurl3
ENSMUSG0	5.720436	0.65766	0.662882	0.992123	0.321138	0.792631	ENSMUSG0 Gm18517
ENSMUSG0	2264.794	-0.18626	0.187746	-0.99207	0.321163	0.792631	ENSMUSG0 Maco1
ENSMUSG0	21.66541	-0.45529	0.458942	-0.99204	0.321178	0.792631	ENSMUSG0 Gm17509
ENSMUSG0	120.8273	0.248518	0.250523	0.991999	0.321198	0.792631	ENSMUSG0 Zfp41
ENSMUSG0	602.3295	-0.11455	0.115482	-0.99191	0.321243	0.792641	ENSMUSG0 Cars2
ENSMUSG0	535.954	-0.22864	0.230582	-0.99158	0.321404	0.792699	ENSMUSG0 Eid2
ENSMUSG0	590.1312	-0.25746	0.259689	-0.99143	0.321477	0.792699	ENSMUSG0 Polb
ENSMUSG0	210.1593	0.463677	0.467733	0.991328	0.321525	0.792699	ENSMUSG0 Gbp2
ENSMUSG0	1868.457	-0.13642	0.137614	-0.99132	0.321531	0.792699	ENSMUSG0 Cops7a
ENSMUSG0	6.349648	-0.61601	0.621413	-0.9913	0.321541	0.792699	ENSMUSG0 Gm37436
ENSMUSG0	13.9578	0.378109	0.381453	0.991234	0.321571	0.792699	ENSMUSG0 Hpca
ENSMUSG0	323.0787	0.160034	0.161458	0.991185	0.321595	0.792699	ENSMUSG0 Pafah2
ENSMUSG0	1661.946	0.15	0.151338	0.991159	0.321608	0.792699	ENSMUSG0 Nsf
ENSMUSG0	60.34609	0.348762	0.351913	0.991046	0.321663	0.792699	ENSMUSG0 Phf19
ENSMUSG0	1294.329	-0.16716	0.168685	-0.99099	0.321691	0.792699	ENSMUSG0 Rmdn3
ENSMUSG0	692.0223	0.150565	0.151943	0.99093	0.32172	0.792699	ENSMUSG0 Lix1l
ENSMUSG0	29.19316	-0.4581	0.46236	-0.99079	0.321786	0.792721	ENSMUSG0 Gm44639
ENSMUSG0	10.00296	-0.70952	0.716147	-0.99074	0.321811	0.792721	ENSMUSG0 Gm12276
ENSMUSG0	10.11697	0.552306	0.557578	0.990543	0.321909	0.79286	ENSMUSG0 Ebf2
ENSMUSG0	512.5232	-0.14138	0.142771	-0.99028	0.322035	0.792991	ENSMUSG0 Slc25a20
ENSMUSG0	28.28344	-1.34818	1.361851	-0.98996	0.322194	0.793258	ENSMUSG0 Abcg8
ENSMUSG0	613.2199	-0.13353	0.134931	-0.98958	0.322378	0.79361	ENSMUSG0 Nckipsd
ENSMUSG0	276.3442	-0.19983	0.201967	-0.9894	0.322467	0.793727	ENSMUSG0 Abcb4
ENSMUSG0	4.731714	0.905815	0.915711	0.989193	0.322569	0.793876	ENSMUSG0 Gm43111
ENSMUSG0	225.7901	-0.47367	0.479072	-0.98872	0.322801	0.794307	ENSMUSG0 Gm49273
ENSMUSG0	879.4344	-0.24189	0.244661	-0.98867	0.322827	0.794307	ENSMUSG0 Cyps
ENSMUSG0	5.91392	-0.719	0.727393	-0.98846	0.322929	0.794458	ENSMUSG0 Gm32123
ENSMUSG0	1997.671	-0.1815	0.183645	-0.98831	0.323003	0.794504	ENSMUSG0 Ier5
ENSMUSG0	1305.634	-0.19447	0.196806	-0.98812	0.323095	0.794504	ENSMUSG0 Zdhhc5
ENSMUSG0	46.25396	0.449422	0.454831	0.988109	0.323099	0.794504	ENSMUSG0 Cmk1r1
ENSMUSG0	3.644229	-1.02608	1.038537	-0.988	0.323151	0.794504	ENSMUSG0 Gm17949
ENSMUSG0	4.444202	-0.94716	0.958663	-0.988	0.323155	0.794504	ENSMUSG02810428J0f
ENSMUSG0	595.846	0.189976	0.192327	0.987775	0.323263	0.794669	ENSMUSG0 Rassf7
ENSMUSG0	798.3291	0.339155	0.343459	0.98747	0.323412	0.794778	ENSMUSG0 Helz2
ENSMUSG0	705.5251	-0.22268	0.225504	-0.98747	0.323413	0.794778	ENSMUSG0 Slco2a1
ENSMUSG0	310.852	0.200679	0.203233	0.987432	0.323431	0.794778	ENSMUSG0 Rffl
ENSMUSG0	440.5397	-0.22788	0.230898	-0.98694	0.323673	0.795076	ENSMUSG0 Nol4l
ENSMUSG0	1488.677	0.188774	0.19128	0.9869	0.323692	0.795076	ENSMUSG0 Akr1c14
ENSMUSG0	1950.594	-0.19119	0.193727	-0.98689	0.323697	0.795076	ENSMUSG0 Kpna2
ENSMUSG0	2077.568	-0.37283	0.377874	-0.98665	0.323816	0.795076	ENSMUSG0 Bsc12
ENSMUSG0	19.67047	0.512211	0.519155	0.986624	0.323827	0.795076	ENSMUSG0 Gm44717
ENSMUSG0	50.69033	0.589489	0.597561	0.986492	0.323892	0.795076	ENSMUSG0 Clec2i

ENSMUSG0	118.281	0.266964	0.27062	0.986492	0.323892	0.795076	ENSMUSG0 Gstcd
ENSMUSG0	1107.369	-0.15233	0.154424	-0.98643	0.323924	0.795076	ENSMUSG0 Trappc3
ENSMUSG0	32.22355	0.455767	0.462059	0.986384	0.323944	0.795076	ENSMUSG0 Gm38312
ENSMUSG0	102.166	0.249213	0.252665	0.986341	0.323966	0.795076	ENSMUSG0 Cdkl3
ENSMUSG0	2991.451	-0.30389	0.308136	-0.98621	0.324032	0.795138	ENSMUSG0 Rap1gap
ENSMUSG0	1454.162	0.209962	0.212934	0.986045	0.324111	0.795207	ENSMUSG0 Dnm1l
ENSMUSG0	600.9763	-0.1656	0.167981	-0.98583	0.324217	0.795207	ENSMUSG0 Zfp644
ENSMUSG0	4.129218	-0.91575	0.929072	-0.98566	0.3243	0.795207	ENSMUSG0 Gm11969
ENSMUSG0	1393.667	-0.30377	0.308198	-0.98564	0.324308	0.795207	ENSMUSG0 Noct
ENSMUSG0	6.420062	-0.75318	0.764166	-0.98562	0.324319	0.795207	ENSMUSG0 Gm12689
ENSMUSG0	921.0161	0.149175	0.15137	0.985502	0.324377	0.795207	ENSMUSG0 Tmod1
ENSMUSG0	2929.584	-0.14381	0.145935	-0.98546	0.3244	0.795207	ENSMUSG0 Rnf11
ENSMUSG0	580.3157	-0.20752	0.21062	-0.9853	0.324478	0.795207	ENSMUSG0 Dcp1a
ENSMUSG0	1998.687	0.154536	0.156844	0.985285	0.324484	0.795207	ENSMUSG0 Skiv2l
ENSMUSG0	6.901006	-0.90324	0.916796	-0.98521	0.32452	0.795207	ENSMUSG0 Cfap157
ENSMUSG0	7.64141	-0.6389	0.64854	-0.98514	0.324557	0.795207	ENSMUSG0 Kctd19
ENSMUSG0	1001.547	0.268351	0.272432	0.985022	0.324613	0.795207	ENSMUSG0 Tnfaip8
ENSMUSG0	4.340189	0.972946	0.987754	0.985009	0.32462	0.795207	ENSMUSG0 Gm11827
ENSMUSG0	202.0178	-0.2327	0.236258	-0.98494	0.324656	0.795207	ENSMUSG0 B330016D1
ENSMUSG0	6.744027	0.851746	0.864818	0.984885	0.32468	0.795207	ENSMUSG0 Nog
ENSMUSG0	203.6355	-0.31606	0.320967	-0.9847	0.324772	0.795231	ENSMUSG0 Gm17066
ENSMUSG0	33.30672	-0.3157	0.320604	-0.9847	0.324773	0.795231	ENSMUSG0 A930024E0
ENSMUSG0	7.988358	-0.72706	0.738595	-0.98438	0.324929	0.795387	ENSMUSG0 Gm20692
ENSMUSG0	448.2127	-0.32848	0.33372	-0.98428	0.324976	0.795387	ENSMUSG0 Gpt
ENSMUSG0	689.2876	0.219898	0.223419	0.984239	0.324998	0.795387	ENSMUSG0 Wdr35
ENSMUSG0	211.7757	-0.26477	0.269014	-0.98423	0.325002	0.795387	ENSMUSG0 Mitd1
ENSMUSG0	625.427	0.326496	0.331763	0.984123	0.325055	0.795415	ENSMUSG0 Ppp1r12b
ENSMUSG0	6448.122	0.14944	0.151914	0.983712	0.325257	0.795699	ENSMUSG0 Cdc42
ENSMUSG0	421.3629	-0.26527	0.269721	-0.9835	0.325362	0.795699	ENSMUSG0 Gm7072
ENSMUSG0	346.6646	0.219986	0.223717	0.983323	0.325448	0.795699	ENSMUSG0 Inpp1
ENSMUSG0	16.91346	0.861302	0.876068	0.983145	0.325536	0.795699	ENSMUSG0 Podnl1
ENSMUSG0	1359.853	-0.19021	0.193475	-0.98311	0.325551	0.795699	ENSMUSG0 Vps13d
ENSMUSG0	555.2303	0.11405	0.116018	0.983038	0.325589	0.795699	ENSMUSG0 Atpaf2
ENSMUSG0	3.964727	-0.93537	0.951538	-0.983	0.325606	0.795699	ENSMUSG0 Gm37383
ENSMUSG0	50.55459	0.560654	0.570432	0.982858	0.325677	0.795699	ENSMUSG0 Jaml
ENSMUSG0	1513.876	-0.22699	0.231	-0.98264	0.325784	0.795699	ENSMUSG0 Ost4
ENSMUSG0	10.80503	0.526246	0.535545	0.982637	0.325786	0.795699	ENSMUSG0 Gm12454
ENSMUSG0	3.052566	-1.13911	1.159356	-0.98254	0.325835	0.795699	ENSMUSG0 Gm48909
ENSMUSG0	56.90882	0.334793	0.34075	0.982518	0.325845	0.795699	ENSMUSG0 Cd300c2
ENSMUSG0	253.066	0.315856	0.321533	0.982344	0.32593	0.795699	ENSMUSG0 Cavin3
ENSMUSG0	542.2681	-0.21286	0.216698	-0.98231	0.325948	0.795699	ENSMUSG0 Elmod2
ENSMUSG0	2.995685	-1.10451	1.12445	-0.98226	0.32597	0.795699	ENSMUSG0 Gm5586
ENSMUSG0	1393.573	-0.10788	0.109848	-0.98212	0.326041	0.795699	ENSMUSG0 Cpsf3
ENSMUSG0	11.58342	0.777002	0.791158	0.982107	0.326047	0.795699	ENSMUSG0 Gm42549
ENSMUSG0	22.02624	0.351423	0.357863	0.982006	0.326097	0.795699	ENSMUSG0 Gm47547
ENSMUSG0	9.210866	0.518058	0.52758	0.981952	0.326123	0.795699	ENSMUSG0 4930432K2
ENSMUSG0	198.5241	0.13867	0.141236	0.98183	0.326184	0.795699	ENSMUSG0 Zfp689
ENSMUSG0	55.93609	0.244575	0.24914	0.981676	0.32626	0.795699	ENSMUSG0 Enpp6
ENSMUSG0	94.4172	-0.25566	0.260437	-0.98164	0.326276	0.795699	ENSMUSG0 Mfsd4b1
ENSMUSG0	349.1599	0.456268	0.464805	0.981634	0.32628	0.795699	ENSMUSG0 Arhgap4
ENSMUSG0	872.8705	-0.20962	0.21357	-0.98151	0.326342	0.795699	ENSMUSG0 H6pd
ENSMUSG0	4687.69	-0.11806	0.120294	-0.98141	0.326391	0.795699	ENSMUSG0 Mxd4

ENSMUSG0	9.673595	0.690224	0.70337	0.981309	0.32644	0.795699	ENSMUSG0 Lypd6b
ENSMUSG0	139.195	-0.18486	0.188391	-0.98126	0.326463	0.795699	ENSMUSG0 Eef1akmt4
ENSMUSG0	55.4585	-0.3149	0.320976	-0.98106	0.326565	0.795699	ENSMUSG0C9130604C2
ENSMUSG0	13.82517	-0.38851	0.396022	-0.98104	0.326572	0.795699	ENSMUSG01700022N2
ENSMUSG0	1442.061	-0.31722	0.323364	-0.981	0.326594	0.795699	ENSMUSG0 Mrps33
ENSMUSG0	64.14634	-0.77733	0.792475	-0.98089	0.326645	0.795699	ENSMUSG0 Rnu1a1
ENSMUSG0	5013.062	0.136996	0.139666	0.980886	0.326649	0.795699	ENSMUSG0 Prkar1b
ENSMUSG0	11.21684	-0.55303	0.563805	-0.98088	0.326651	0.795699	ENSMUSG0 Gm43099
ENSMUSG0	7.198162	0.973682	0.992673	0.980869	0.326657	0.795699	ENSMUSG0 Gm34643
ENSMUSG0	32.08875	0.460107	0.469127	0.980773	0.326705	0.795699	ENSMUSG0 Gpc6
ENSMUSG0	3.449891	0.889413	0.906904	0.980714	0.326734	0.795699	ENSMUSG0 Gm20667
ENSMUSG0	2607.852	-0.0955	0.097396	-0.98056	0.326808	0.795699	ENSMUSG0 Abhd16a
ENSMUSG0	440.0356	0.154489	0.157568	0.980458	0.32686	0.795699	ENSMUSG0 Xylt2
ENSMUSG0	80.63422	0.434037	0.442741	0.980342	0.326917	0.795699	ENSMUSG0 Hic1
ENSMUSG0	1198.728	0.201893	0.205957	0.980268	0.326954	0.795699	ENSMUSG0 Lrp5
ENSMUSG0	11.38544	-0.58671	0.59857	-0.98019	0.32699	0.795699	ENSMUSG0 Tgm4
ENSMUSG0	256.0772	0.493012	0.503016	0.980113	0.32703	0.795699	ENSMUSG0 Ripor2
ENSMUSG0	14.92375	-0.48198	0.491757	-0.98011	0.327031	0.795699	ENSMUSG0 Gm37666
ENSMUSG0	803.2709	0.378629	0.386356	0.980001	0.327086	0.795699	ENSMUSG0 Plxnd1
ENSMUSG0	9.623185	0.775731	0.791587	0.97997	0.327101	0.795699	ENSMUSG0 Ttc6
ENSMUSG0	542.6629	-0.20909	0.21337	-0.97996	0.327105	0.795699	ENSMUSG0 Sap30l
ENSMUSG0	107.6442	0.295285	0.301375	0.979792	0.327189	0.795699	ENSMUSG0 Dgkg
ENSMUSG0	442.5688	-0.2386	0.243565	-0.9796	0.327282	0.795699	ENSMUSG0 Isca2
ENSMUSG0	5.341937	-1.02604	1.047499	-0.97952	0.327324	0.795699	ENSMUSG0 Sypl2
ENSMUSG0	39.18246	-0.50598	0.516569	-0.97951	0.327329	0.795699	ENSMUSG01110020A2
ENSMUSG0	717.0107	-0.19691	0.201032	-0.97951	0.327329	0.795699	ENSMUSG0 Loxl2
ENSMUSG0	87.80165	-0.40216	0.410609	-0.97943	0.327367	0.795699	ENSMUSG0 REXO5
ENSMUSG0	248.8627	-0.16274	0.166154	-0.97942	0.327372	0.795699	ENSMUSG0 Zfp780b
ENSMUSG0	887.7213	-0.14272	0.145731	-0.97935	0.327405	0.795699	ENSMUSG0 Tex2
ENSMUSG0	128.927	-0.51719	0.528138	-0.97926	0.327451	0.79571	ENSMUSG0 Cst6
ENSMUSG0	1425.875	-0.12898	0.131749	-0.97894	0.327608	0.795991	ENSMUSG0 Brox
ENSMUSG0	1742.69	-0.24591	0.251237	-0.97881	0.327674	0.796051	ENSMUSG0 Sptssa
ENSMUSG0	5.469245	0.749503	0.765818	0.978696	0.32773	0.796088	ENSMUSG0 Gm17349
ENSMUSG0	692.2346	-0.17114	0.174877	-0.97861	0.327774	0.796092	ENSMUSG0 Osgep
ENSMUSG0	17.37471	-0.46381	0.474069	-0.97835	0.3279	0.796184	ENSMUSG0 Cstad
ENSMUSG0	60.92222	-0.35126	0.359057	-0.97827	0.32794	0.796184	ENSMUSG0 Gm44829
ENSMUSG0	2146.417	-0.1679	0.171642	-0.97822	0.327966	0.796184	ENSMUSG0 Med25
ENSMUSG0	8.143302	-0.63168	0.645842	-0.97808	0.328035	0.796184	ENSMUSG04833411C0
ENSMUSG0	6.8045	0.765615	0.782879	0.977948	0.3281	0.796184	ENSMUSG0 Fbxo43
ENSMUSG0	8.441918	0.64607	0.660654	0.977925	0.328111	0.796184	ENSMUSG0 Gm48348
ENSMUSG0	575.3022	0.146146	0.149453	0.977868	0.32814	0.796184	ENSMUSG0 Thbs3
ENSMUSG0	188.3055	0.209524	0.214279	0.977811	0.328168	0.796184	ENSMUSG0 Trim59
ENSMUSG0	5.201034	-0.86149	0.881066	-0.97778	0.328184	0.796184	ENSMUSG0 Tex11
ENSMUSG0	120.2814	0.220195	0.225265	0.977495	0.328324	0.796413	ENSMUSG0 Foxp2
ENSMUSG0	8.613358	0.636272	0.651081	0.977256	0.328443	0.796413	ENSMUSG0 Rtp3
ENSMUSG0	3.336334	-1.51739	1.552719	-0.97725	0.328446	0.796413	ENSMUSG0 Gm8226
ENSMUSG0	3189.389	0.18178	0.186038	0.977115	0.328512	0.796413	ENSMUSG0 Rps16-ps2
ENSMUSG0	343.8615	-0.24418	0.249909	-0.97709	0.328524	0.796413	ENSMUSG0Gt(ROSA)26
ENSMUSG0	11.3722	0.488344	0.499796	0.977086	0.328526	0.796413	ENSMUSG0 Ccdc87
ENSMUSG0	3.38167	0.933044	0.955459	0.976539	0.328797	0.796969	ENSMUSG0 Gm37593
ENSMUSG0	23.14603	-0.37786	0.387131	-0.97606	0.329033	0.797219	ENSMUSG0 Gm48069
ENSMUSG0	15497.37	-0.2338	0.239614	-0.97574	0.329193	0.797219	ENSMUSG0 Atp5b

ENSMUSG0	135.5349	-0.17659	0.180988	-0.97572	0.329203	0.797219	ENSMUSG0 Tedc2
ENSMUSG0	89.50607	-0.30601	0.313633	-0.97569	0.32922	0.797219	ENSMUSG0 Glyctk
ENSMUSG0	401.6133	0.281877	0.288909	0.975663	0.329232	0.797219	ENSMUSG0 Ston2
ENSMUSG0	7.68847	0.573808	0.588128	0.975652	0.329237	0.797219	ENSMUSG0 Ttc21a
ENSMUSG0	157.2245	0.475712	0.487587	0.975646	0.32924	0.797219	ENSMUSG0 Cd180
ENSMUSG0	7.232539	1.093424	1.120719	0.975645	0.329241	0.797219	ENSMUSG0 Ighv1-12
ENSMUSG0	3.921913	0.856802	0.878251	0.975578	0.329273	0.797219	ENSMUSG0 Rpl17-ps9
ENSMUSG0	13.06289	0.515647	0.528618	0.975464	0.32933	0.797256	ENSMUSG03300002108
ENSMUSG0	19.0181	0.476596	0.48868	0.975273	0.329425	0.797385	ENSMUSG0 Gm10676
ENSMUSG0	186.7203	0.453101	0.46468	0.97508	0.32952	0.797516	ENSMUSG0 Tyrobp
ENSMUSG0	589.9976	-0.17799	0.182593	-0.9748	0.329661	0.797518	ENSMUSG0 Sav1
ENSMUSG0	131.0116	-0.24298	0.249298	-0.97464	0.329739	0.797518	ENSMUSG0 Ddx59
ENSMUSG0	3.145894	1.403503	1.440125	0.97457	0.329773	0.797518	ENSMUSG0 H2-M9
ENSMUSG0	429.0914	-0.12119	0.124355	-0.97455	0.329785	0.797518	ENSMUSG0 Map2k5
ENSMUSG0	1600.701	-0.27214	0.279317	-0.97431	0.329903	0.797518	ENSMUSG0 Rpl27
ENSMUSG0	25.04636	-0.61929	0.635634	-0.97429	0.329912	0.797518	ENSMUSG0 Slc7a11
ENSMUSG0	8.944481	0.983882	1.009922	0.974215	0.32995	0.797518	ENSMUSG0 Cd40lg
ENSMUSG0	11.43733	-0.65899	0.676475	-0.97416	0.329978	0.797518	ENSMUSG0 Ctl2a2b
ENSMUSG0	26.96325	-0.46791	0.480341	-0.97412	0.329999	0.797518	ENSMUSG0 Gm11549
ENSMUSG0	119.6034	0.192309	0.197423	0.974098	0.330008	0.797518	ENSMUSG0 Zdhhc15
ENSMUSG0	32.25359	-0.37006	0.379919	-0.97406	0.330028	0.797518	ENSMUSG0 Gm43545
ENSMUSG0	14.0446	0.401557	0.412284	0.973982	0.330065	0.797518	ENSMUSG0 Aldoa
ENSMUSG0	8.037225	0.915482	0.939958	0.973961	0.330076	0.797518	ENSMUSG0 Pilrb1
ENSMUSG0	3.402621	0.826293	0.84843	0.973909	0.330102	0.797518	ENSMUSG0 Gm13611
ENSMUSG0	306.1245	-0.42611	0.437644	-0.97364	0.330235	0.797696	ENSMUSG0 Iqgap2
ENSMUSG0	65.14351	0.485745	0.498921	0.97359	0.33026	0.797696	ENSMUSG0 Ar
ENSMUSG0	442.9621	-0.12885	0.132358	-0.97351	0.3303	0.797696	ENSMUSG0 Thap2
ENSMUSG0	263.045	0.571321	0.587018	0.973259	0.330425	0.797799	ENSMUSG0 Vcam1
ENSMUSG0	167.2785	0.262985	0.270214	0.973249	0.330429	0.797799	ENSMUSG0 Timeless
ENSMUSG0	207.8333	-0.27895	0.286639	-0.97317	0.330467	0.797799	ENSMUSG01810009A1
ENSMUSG0	4794.58	-0.25263	0.259655	-0.97296	0.330575	0.797919	ENSMUSG0 Rnase4
ENSMUSG0	4220.528	-0.14062	0.144542	-0.97287	0.33062	0.797919	ENSMUSG0 Atp6v0d1
ENSMUSG0	311.9547	0.232991	0.2395	0.972824	0.330641	0.797919	ENSMUSG0 Cdkl5
ENSMUSG0	839.4941	-0.19353	0.198966	-0.9727	0.330704	0.797971	ENSMUSG0 Sdr39u1
ENSMUSG0	368.0665	0.440448	0.452881	0.972546	0.330779	0.797974	ENSMUSG0 Gvin1
ENSMUSG0	6.102328	-0.662	0.680762	-0.97243	0.330835	0.797974	ENSMUSG0 BC024139
ENSMUSG0	4.317003	-0.75854	0.780184	-0.97225	0.330924	0.797974	ENSMUSG0 Gm11650
ENSMUSG0	401.5547	0.182971	0.188194	0.972247	0.330928	0.797974	ENSMUSG0 Eif2ak4
ENSMUSG0	3.113342	1.0617	1.092132	0.972135	0.330983	0.797974	ENSMUSG0 Ighv1-66
ENSMUSG0	205.8157	-0.27752	0.285479	-0.97212	0.330993	0.797974	ENSMUSG0 Eph7
ENSMUSG0	6.833474	-0.58189	0.598589	-0.97211	0.330996	0.797974	ENSMUSG0 Rps2-ps8
ENSMUSG0	389.9286	-0.31844	0.327627	-0.97196	0.33107	0.798052	ENSMUSG0 Rbis
ENSMUSG0	641.7179	-0.19567	0.201427	-0.97143	0.331334	0.798522	ENSMUSG0 Ttc17
ENSMUSG0	367.5665	-0.21478	0.221108	-0.97137	0.331364	0.798522	ENSMUSG0 Adgb
ENSMUSG0	172.3114	0.234738	0.241676	0.971293	0.331402	0.798522	ENSMUSG0 Mansc1
ENSMUSG0	25239.65	-0.29552	0.304331	-0.97106	0.33152	0.798522	ENSMUSG0 Fth1
ENSMUSG0	796.0928	-0.14561	0.149947	-0.97105	0.331525	0.798522	ENSMUSG0 Clk2
ENSMUSG0	2337.86	-0.16558	0.170537	-0.97094	0.33158	0.798522	ENSMUSG0 Zc3h14
ENSMUSG0	2873.871	-0.18264	0.188112	-0.97091	0.331595	0.798522	ENSMUSG0 Ptp4a1
ENSMUSG0	176.6062	-0.19111	0.196853	-0.97082	0.331636	0.798522	ENSMUSG0 Alkbh4
ENSMUSG0	756.5753	-0.23689	0.244006	-0.97082	0.331638	0.798522	ENSMUSG0 Dhrrs4
ENSMUSG0	22.44517	0.555243	0.572153	0.970445	0.331825	0.79872	ENSMUSG0 Eda2r

ENSMUSG0	3.49935	-1.52848	1.575225	-0.97032	0.331885	0.79872	ENSMUSG0 Gm48302
ENSMUSG0	1066.876	-0.22367	0.230536	-0.97022	0.331935	0.79872	ENSMUSG0 Rtn2
ENSMUSG0	1283.266	-0.23284	0.239999	-0.97018	0.331958	0.79872	ENSMUSG0 Ndel1
ENSMUSG0	7.047465	1.03863	1.070582	0.970154	0.33197	0.79872	ENSMUSG0 Ccl17
ENSMUSG0	2559.984	-0.21571	0.222421	-0.96981	0.33214	0.799031	ENSMUSG0 Sdf2l1
ENSMUSG0	238.8801	-0.31869	0.328701	-0.96954	0.332278	0.799261	ENSMUSG0 Tctex1d2
ENSMUSG0	3.880576	0.953855	0.983968	0.969396	0.332347	0.799264	ENSMUSG0 Gm44021
ENSMUSG0	9.123641	-0.56255	0.580362	-0.96931	0.33239	0.799264	ENSMUSG0 Gm43272
ENSMUSG0	97.10621	0.436437	0.450267	0.969284	0.332403	0.799264	ENSMUSG0 Marchf1
ENSMUSG0	483.5251	-0.23649	0.244045	-0.96903	0.332531	0.799418	ENSMUSG0 Fahd1
ENSMUSG0	8.39866	0.696164	0.718515	0.968893	0.332599	0.799418	ENSMUSG0 Gm37140
ENSMUSG0	182.4321	-0.21748	0.22446	-0.96889	0.332601	0.799418	ENSMUSG0 Ethe1
ENSMUSG0	132.54	-0.21195	0.218809	-0.96867	0.332708	0.799418	ENSMUSG0 Shld3
ENSMUSG0	1354.134	-0.29191	0.301353	-0.96866	0.332717	0.799418	ENSMUSG0 Phf2
ENSMUSG0	117.9221	-0.43508	0.449371	-0.96819	0.332951	0.79982	ENSMUSG0 Col20a1
ENSMUSG0	3584.31	0.131038	0.135348	0.968154	0.332967	0.79982	ENSMUSG0 Rab11b
ENSMUSG0	5.126377	0.726767	0.750806	0.967983	0.333053	0.79989	ENSMUSG0 Gm15941
ENSMUSG0	13.19357	-0.4737	0.489393	-0.96793	0.33308	0.79989	ENSMUSG0 Gm37718
ENSMUSG0	352.4902	0.431728	0.446087	0.967811	0.333139	0.799933	ENSMUSG0 Plid4
ENSMUSG0	6003.421	-0.11729	0.121215	-0.96762	0.333237	0.800067	ENSMUSG0 Ogdh
ENSMUSG0	127.2195	-0.33315	0.34436	-0.96745	0.33332	0.800128	ENSMUSG0 Hypk
ENSMUSG0	758.6671	-0.17368	0.179539	-0.96735	0.333369	0.800128	ENSMUSG0 Taf1d
ENSMUSG0	141.7359	0.291054	0.300953	0.967106	0.333491	0.800128	ENSMUSG0 Tmeff1
ENSMUSG0	879.7802	-0.22699	0.234735	-0.96702	0.333536	0.800128	ENSMUSG0 Sfmbt1
ENSMUSG0	168.5082	0.192475	0.199044	0.966997	0.333546	0.800128	ENSMUSG0 Fdxacb1
ENSMUSG0	171.224	-0.32554	0.336661	-0.96696	0.333566	0.800128	ENSMUSG0 Fam229b
ENSMUSG0	2374.758	-0.17291	0.178827	-0.96694	0.333576	0.800128	ENSMUSG0 Stk25
ENSMUSG0	3.627336	0.743918	0.769425	0.966849	0.33362	0.800128	ENSMUSG0 Gm2449
ENSMUSG0	1655.429	-0.35883	0.371146	-0.96682	0.333636	0.800128	ENSMUSG0 Lsm6
ENSMUSG0	108.0152	0.363652	0.376174	0.96671	0.333689	0.800155	ENSMUSG0 Kif11
ENSMUSG0	25.71805	0.464012	0.480101	0.966487	0.333801	0.80029	ENSMUSG0 Panct2
ENSMUSG0	352.0149	0.165608	0.171396	0.96623	0.333929	0.80029	ENSMUSG0 Gys1
ENSMUSG0	33.80612	0.896119	0.927452	0.966217	0.333936	0.80029	ENSMUSG0 9930111J2
ENSMUSG0	462.4867	-0.16181	0.167474	-0.96617	0.333959	0.80029	ENSMUSG0 Utp11
ENSMUSG0	10.86955	0.830515	0.859897	0.965831	0.334129	0.80029	ENSMUSG0 Sh2d1a
ENSMUSG0	2802.27	-0.29257	0.302957	-0.96573	0.334179	0.80029	ENSMUSG0 Ndufb9
ENSMUSG0	725.1219	0.211447	0.218959	0.965692	0.334198	0.80029	ENSMUSG0 Cfl2
ENSMUSG0	1851.443	-0.1565	0.162069	-0.96561	0.33424	0.80029	ENSMUSG0 Syngn2
ENSMUSG0	4.534348	-1.11175	1.151537	-0.96545	0.33432	0.80029	ENSMUSG0 A230052GC
ENSMUSG0	34.08501	-0.47281	0.48973	-0.96544	0.334323	0.80029	ENSMUSG0 Pcdha1
ENSMUSG0	12647.35	-0.17567	0.18197	-0.96535	0.334368	0.80029	ENSMUSG0 Sqstm1
ENSMUSG0	21.89312	0.342163	0.35454	0.965089	0.3345	0.80029	ENSMUSG0 Lingo4
ENSMUSG0	1101.308	0.16808	0.174162	0.965078	0.334506	0.80029	ENSMUSG0 Cdc23
ENSMUSG0	11.02756	0.528636	0.547886	0.964866	0.334612	0.80029	ENSMUSG0 Gm9903
ENSMUSG0	13.58024	0.509209	0.527767	0.964836	0.334627	0.80029	ENSMUSG0 Eva1a
ENSMUSG0	240.9902	-0.17973	0.186293	-0.96479	0.334651	0.80029	ENSMUSG0 E2f5
ENSMUSG0	169.9434	-0.21115	0.218868	-0.96474	0.334673	0.80029	ENSMUSG0 Dph5
ENSMUSG0	234.7459	-0.20409	0.211546	-0.96474	0.334674	0.80029	ENSMUSG0 Nxt1
ENSMUSG0	246.6334	-0.20903	0.216671	-0.96474	0.334677	0.80029	ENSMUSG0 Zfp267
ENSMUSG0	643.8901	-0.15473	0.160388	-0.96471	0.334691	0.80029	ENSMUSG0 Snrnp48
ENSMUSG0	521.6798	-0.16009	0.165956	-0.96467	0.334709	0.80029	ENSMUSG0 Cep85
ENSMUSG0	50.09882	-0.32637	0.338335	-0.96464	0.334727	0.80029	ENSMUSG0 4930570G1

ENSMUSG0	322.5642	-0.2	0.207336	-0.9646	0.334744	0.80029	ENSMUSG0 B4galt4
ENSMUSG0	6.681951	0.629222	0.652439	0.964416	0.334838	0.800402	ENSMUSG0 Gm5105
ENSMUSG0	28.35374	-0.45351	0.470283	-0.96434	0.334874	0.800402	ENSMUSG0 Gm3448
ENSMUSG0	4420.447	-0.26843	0.278448	-0.96402	0.335038	0.800694	ENSMUSG0 Rpl10a
ENSMUSG0	504.6158	0.311694	0.323402	0.963797	0.335148	0.80084	ENSMUSG0 Lgals9
ENSMUSG0	1036.143	0.21271	0.220722	0.963703	0.335195	0.80084	ENSMUSG0 Fam168a
ENSMUSG0	3.492881	1.247122	1.294267	0.963574	0.335259	0.80084	ENSMUSG0 Ighv1-54
ENSMUSG0	199.0002	0.482758	0.501014	0.963562	0.335266	0.80084	ENSMUSG0 Slc15a2
ENSMUSG0	836.7483	0.186718	0.193817	0.963368	0.335363	0.800935	ENSMUSG0 AI506816
ENSMUSG0	23.41112	0.652747	0.677604	0.963317	0.335388	0.800935	ENSMUSG0 Gpr55
ENSMUSG0	483.3664	-0.22322	0.23177	-0.9631	0.335498	0.801096	ENSMUSG0 Cep19
ENSMUSG0	45.34926	0.33394	0.346796	0.96293	0.335582	0.801195	ENSMUSG0 Zkscan7
ENSMUSG0	962.9576	0.245155	0.254637	0.962763	0.335666	0.801195	ENSMUSG0 Vgf
ENSMUSG0	1210.578	-0.19365	0.201143	-0.96274	0.33568	0.801195	ENSMUSG0 Timm23
ENSMUSG0	11.54406	0.65543	0.680874	0.96263	0.335733	0.801195	ENSMUSG0 Spaca9
ENSMUSG0	1969.691	-0.22771	0.236553	-0.9626	0.335747	0.801195	ENSMUSG0 Mtch2
ENSMUSG0	314.7068	0.193754	0.201371	0.962174	0.335962	0.801258	ENSMUSG0 Pard6b
ENSMUSG0	172.0221	0.475069	0.493753	0.962159	0.33597	0.801258	ENSMUSG0 Tonsl
ENSMUSG0	5.20093	0.896548	0.931868	0.962098	0.336	0.801258	ENSMUSG0 Bmp8b
ENSMUSG0	18.10431	0.557825	0.579813	0.962077	0.336011	0.801258	ENSMUSG0 Cybrd1
ENSMUSG0	258.6441	0.362537	0.376831	0.962067	0.336016	0.801258	ENSMUSG0 Cd36
ENSMUSG0	708.7164	-0.21504	0.223524	-0.96205	0.336024	0.801258	ENSMUSG0 Wipf2
ENSMUSG0	418.351	-0.23341	0.242744	-0.96156	0.336269	0.801744	ENSMUSG0 Intu
ENSMUSG0	1351.675	0.148829	0.154816	0.961324	0.33639	0.801846	ENSMUSG0 Ube2n
ENSMUSG0	716.2009	-0.17542	0.182481	-0.96131	0.336395	0.801846	ENSMUSG0 Mcoln1
ENSMUSG0	15.90244	0.696446	0.72469	0.961026	0.336539	0.802023	ENSMUSG0 Grm7
ENSMUSG0	9.635684	0.556988	0.579629	0.960939	0.336583	0.802023	ENSMUSG0 Il11
ENSMUSG0	542.9372	-0.12515	0.130247	-0.96084	0.336631	0.802023	ENSMUSG0 Pank4
ENSMUSG0	1240.86	-0.16086	0.167425	-0.9608	0.336655	0.802023	ENSMUSG0 Ap3b1
ENSMUSG0	16.09635	-0.46408	0.483043	-0.96074	0.336684	0.802023	ENSMUSG0 8030456M:
ENSMUSG0	9.296284	-0.68535	0.713439	-0.96063	0.33674	0.802023	ENSMUSG0 Hoxa7
ENSMUSG0	31.34733	0.376674	0.392144	0.960551	0.336778	0.802023	ENSMUSG0 1700102P0
ENSMUSG0	453.0661	0.257481	0.268069	0.960502	0.336803	0.802023	ENSMUSG0 Hdac4
ENSMUSG0	603.8404	0.210533	0.219321	0.959933	0.337089	0.802276	ENSMUSG0 Fbxl19
ENSMUSG0	134.9525	0.26765	0.278853	0.959824	0.337144	0.802276	ENSMUSG0 Ccdc114
ENSMUSG0	41.7457	0.557804	0.581185	0.959771	0.33717	0.802276	ENSMUSG0 Calhm6
ENSMUSG0	352.1955	0.192059	0.20011	0.959763	0.337174	0.802276	ENSMUSG0 Ntpcr
ENSMUSG0	11701.41	-0.2669	0.27809	-0.95976	0.337175	0.802276	ENSMUSG0 Scgn
ENSMUSG0	18.85004	0.683777	0.712638	0.959501	0.337307	0.802276	ENSMUSG0 Ifitm10
ENSMUSG0	18.13029	-0.4557	0.474961	-0.95945	0.337333	0.802276	ENSMUSG0 4930404N1
ENSMUSG0	1300.659	-0.1572	0.163858	-0.95939	0.33736	0.802276	ENSMUSG0 Tm7sf3
ENSMUSG0	786.5209	-0.27392	0.285517	-0.95939	0.337364	0.802276	ENSMUSG0 Itfg2
ENSMUSG0	355.9797	-0.19516	0.203425	-0.95938	0.337368	0.802276	ENSMUSG0 Hspb6
ENSMUSG0	138.3316	-0.20814	0.216995	-0.95919	0.337464	0.80232	ENSMUSG0 Cyp7b1
ENSMUSG0	7.237662	-1.11353	1.160923	-0.95918	0.33747	0.80232	ENSMUSG0 Cpne9
ENSMUSG0	1150.922	0.138173	0.144084	0.958978	0.33757	0.802327	ENSMUSG0 Pef1
ENSMUSG0	17.74363	0.595013	0.620482	0.958953	0.337582	0.802327	ENSMUSG0 Atg9b
ENSMUSG0	15.30342	-0.45606	0.475593	-0.95892	0.337598	0.802327	ENSMUSG0 Dazl
ENSMUSG0	17.82976	-0.6885	0.718174	-0.95868	0.33772	0.802505	ENSMUSG0 Gm47457
ENSMUSG0	76.00249	-0.33046	0.344731	-0.95861	0.337756	0.802505	ENSMUSG0 Gm45447
ENSMUSG0	391.2838	0.364965	0.380782	0.958463	0.337829	0.80258	ENSMUSG0 Zfp26
ENSMUSG0	26.83272	0.637629	0.665403	0.95826	0.337931	0.802634	ENSMUSG0 Ttc9b

ENSMUSG0	253.272	-0.18132	0.189222	-0.95823	0.337947	0.802634	ENSMUSG0 Nmr1
ENSMUSG0	41.29211	-0.30065	0.313795	-0.95813	0.338	0.802634	ENSMUSG0 Itih1
ENSMUSG0	1938.159	-0.16067	0.167699	-0.95808	0.338021	0.802634	ENSMUSG0 Aoep
ENSMUSG0	116.6765	-0.29712	0.31017	-0.95792	0.338105	0.802634	ENSMUSG0 Ssc4d
ENSMUSG0	11.96771	0.715305	0.746771	0.957864	0.338131	0.802634	ENSMUSG0 Csf3r
ENSMUSG0	586.9688	-0.20276	0.211687	-0.95784	0.338144	0.802634	ENSMUSG0 Dusp28
ENSMUSG0	349.6264	-0.12405	0.129523	-0.95773	0.3382	0.802667	ENSMUSG0 Riox2
ENSMUSG0	43.42744	-0.3575	0.373403	-0.9574	0.338367	0.80292	ENSMUSG0 Gm50069
ENSMUSG0	4304.174	0.328647	0.343342	0.9572	0.338466	0.80292	ENSMUSG0 Ckb
ENSMUSG0	43.32197	0.416033	0.434646	0.957176	0.338478	0.80292	ENSMUSG0 Pcdh19
ENSMUSG0	2194.081	-0.13523	0.141292	-0.95712	0.338509	0.80292	ENSMUSG0 Txnr1
ENSMUSG0	5.362636	-0.8186	0.855287	-0.9571	0.338515	0.80292	ENSMUSG0 Gm31532
ENSMUSG0	1717.688	-0.19314	0.201885	-0.9567	0.33872	0.803247	ENSMUSG0 Gusb
ENSMUSG0	800.6869	-0.10403	0.108749	-0.95662	0.338758	0.803247	ENSMUSG0 Gnlda1
ENSMUSG0	4.978385	-0.80401	0.840549	-0.95653	0.338805	0.803247	ENSMUSG0 Gm37621
ENSMUSG0	1342.577	-0.27719	0.289795	-0.9565	0.33882	0.803247	ENSMUSG0 Fibp
ENSMUSG0	824.8615	-0.21053	0.220197	-0.95611	0.339018	0.80349	ENSMUSG0 Ccdc115
ENSMUSG0	291.6821	-0.20473	0.21415	-0.956	0.339073	0.80349	ENSMUSG0 Engase
ENSMUSG0	174.7703	0.216308	0.226279	0.955934	0.339106	0.80349	ENSMUSG0 Sat2
ENSMUSG0	2008.067	-0.13252	0.138643	-0.95585	0.339148	0.80349	ENSMUSG0 Nmt1
ENSMUSG0	209.9809	-0.26599	0.278285	-0.95581	0.33917	0.80349	ENSMUSG0 Rmdn1
ENSMUSG0	8.508096	-0.49165	0.514391	-0.9558	0.339174	0.80349	ENSMUSG0 Slc22a13b
ENSMUSG0	6747.201	0.14415	0.150857	0.955542	0.339303	0.803543	ENSMUSG0 Arhgdia
ENSMUSG0	4047.364	-0.10754	0.112554	-0.95547	0.339338	0.803543	ENSMUSG0 Ddx39b
ENSMUSG0	806.6627	0.157254	0.16459	0.955428	0.339361	0.803543	ENSMUSG0 Eps15
ENSMUSG0	28.95857	-0.58313	0.610339	-0.95543	0.339363	0.803543	ENSMUSG0 Gm3325
ENSMUSG0	1252.762	-0.2989	0.312903	-0.95525	0.339454	0.803544	ENSMUSG0 Larp4
ENSMUSG0	1255.015	-0.37378	0.391316	-0.9552	0.339479	0.803544	ENSMUSG0 Ffar2
ENSMUSG0	5.691286	1.338695	1.401558	0.955148	0.339503	0.803544	ENSMUSG0 Gm8750
ENSMUSG0	174.8209	-0.21027	0.220161	-0.95509	0.33953	0.803544	ENSMUSG0 Zfp931
ENSMUSG0	2838.366	-0.19336	0.202505	-0.95486	0.339649	0.803617	ENSMUSG0 Snx3
ENSMUSG0	172.5608	0.268118	0.280796	0.95485	0.339653	0.803617	ENSMUSG0 Mr1
ENSMUSG0	666.5391	0.172672	0.180849	0.954785	0.339687	0.803617	ENSMUSG0 Zfc3h1
ENSMUSG0	1582.812	-0.14267	0.149451	-0.9546	0.339782	0.803649	ENSMUSG0 Qrich1
ENSMUSG0	3387.742	0.15313	0.160414	0.954593	0.339783	0.803649	ENSMUSG0 Dync1i2
ENSMUSG0	1269.504	0.139295	0.145943	0.954444	0.339859	0.8037	ENSMUSG0 Khl122
ENSMUSG0	600.2063	-0.1326	0.138933	-0.95439	0.339889	0.8037	ENSMUSG0 Sc5d
ENSMUSG0	11.06552	-0.57944	0.607247	-0.95421	0.339976	0.803807	ENSMUSG0 D430013BC
ENSMUSG0	3.753002	-0.80112	0.839695	-0.95406	0.340053	0.803891	ENSMUSG0 Gm47687
ENSMUSG0	491.7218	-0.15245	0.159848	-0.95371	0.340229	0.803948	ENSMUSG0 Nck2
ENSMUSG0	164.5702	-0.22387	0.234746	-0.95369	0.340243	0.803948	ENSMUSG0 Dtdw1
ENSMUSG0	520.5619	-0.10442	0.109511	-0.95352	0.340329	0.803948	ENSMUSG0 Snip1
ENSMUSG0	81.43579	-0.2511	0.263383	-0.95337	0.340404	0.803948	ENSMUSG0 Mettl15
ENSMUSG0	565.4217	-0.17288	0.18135	-0.95328	0.34045	0.803948	ENSMUSG0 Mon1a
ENSMUSG0	107.4388	0.318449	0.334093	0.953173	0.340502	0.803948	ENSMUSG0 Lpar2
ENSMUSG0	197.6407	-0.21255	0.222998	-0.95316	0.340507	0.803948	ENSMUSG0 AW146154
ENSMUSG0	14.25138	0.509272	0.534302	0.953154	0.340512	0.803948	ENSMUSG0 Hoxa4
ENSMUSG0	3.510808	1.005384	1.054798	0.953153	0.340512	0.803948	ENSMUSG0 Cd177
ENSMUSG0	711.0044	0.171083	0.179503	0.953094	0.340543	0.803948	ENSMUSG0 Aldh5a1
ENSMUSG0	515.7209	0.136983	0.143735	0.95303	0.340575	0.803948	ENSMUSG0 Gspt2
ENSMUSG0	704.1986	-0.22195	0.23289	-0.95302	0.340579	0.803948	ENSMUSG0 Zfhx3
ENSMUSG0	25.62504	0.460476	0.483255	0.952863	0.34066	0.80404	ENSMUSG0 Mamstr

ENSMUSG0	306.7984	-0.26803	0.281317	-0.95277	0.340707	0.804053	ENSMUSG0 Gm9856
ENSMUSG0	809.8779	-0.21322	0.22382	-0.95263	0.340775	0.804116	ENSMUSG0 Uvrag
ENSMUSG0	55.08451	-0.2877	0.302054	-0.95247	0.340859	0.804168	ENSMUSG0 Zfp953
ENSMUSG0	853.002	0.240836	0.252874	0.952393	0.340898	0.804168	ENSMUSG0 Mapk6
ENSMUSG0	1489.366	-0.1702	0.178724	-0.95231	0.340937	0.804168	ENSMUSG0 Krcc1
ENSMUSG0	5.72819	-0.77092	0.809572	-0.95226	0.340964	0.804168	ENSMUSG0 Gm4577
ENSMUSG0	1144.935	-0.26301	0.276268	-0.95203	0.341084	0.804265	ENSMUSG0 Lmo7
ENSMUSG0	209.454	-0.20005	0.210157	-0.95193	0.341133	0.804265	ENSMUSG0 Paqr9
ENSMUSG0	6486.724	-0.24848	0.261041	-0.9519	0.341149	0.804265	ENSMUSG0 Rps17
ENSMUSG0	5963.098	-0.13893	0.145979	-0.95171	0.341242	0.804265	ENSMUSG0 H13
ENSMUSG0	832.1106	-0.21218	0.222951	-0.95169	0.341256	0.804265	ENSMUSG0 Ube2f
ENSMUSG0	4.987361	-0.74412	0.781902	-0.95169	0.341257	0.804265	ENSMUSG0 BC046251
ENSMUSG0	9.953905	-0.86171	0.905629	-0.95151	0.341346	0.804304	ENSMUSG0 Naip1
ENSMUSG0	8.545155	-0.65934	0.69296	-0.95148	0.34136	0.804304	ENSMUSG0 Piwil2
ENSMUSG0	133.6709	-0.55236	0.580576	-0.95141	0.341398	0.804304	ENSMUSG0 Myo5c
ENSMUSG0	374.1559	-0.31623	0.332485	-0.95112	0.341542	0.804544	ENSMUSG0 Mphosph9
ENSMUSG0	175.1953	-0.26095	0.274451	-0.95082	0.341696	0.804677	ENSMUSG0 Ccp10s
ENSMUSG0	17468.44	-0.36007	0.378699	-0.95081	0.3417	0.804677	ENSMUSG0 Tceal9
ENSMUSG0	6.728423	-0.74356	0.782062	-0.95076	0.341724	0.804677	ENSMUSG0 Gm10010
ENSMUSG0	1870.998	-0.159	0.167272	-0.95054	0.341836	0.804769	ENSMUSG0 Armc10
ENSMUSG0	3244.538	-0.17866	0.187965	-0.95052	0.341847	0.804769	ENSMUSG0 Ppp1r2
ENSMUSG0	31.85307	0.349933	0.368185	0.950428	0.341895	0.804783	ENSMUSG0 Psrc1
ENSMUSG0	337.4991	-0.20371	0.214375	-0.95023	0.341996	0.804924	ENSMUSG0 Dnajc25
ENSMUSG0	1751.295	-0.21303	0.224223	-0.95009	0.342068	0.804945	ENSMUSG0 Sec13
ENSMUSG0	4051.964	-0.37778	0.397645	-0.95005	0.342089	0.804945	ENSMUSG0 Sh3pxd2a
ENSMUSG0	9.688141	0.538909	0.567477	0.949656	0.342287	0.805312	ENSMUSG0 Gpr1
ENSMUSG0	7.261818	0.555028	0.584632	0.949363	0.342436	0.805542	ENSMUSG0 Gm5784
ENSMUSG0	372.4871	0.408816	0.430666	0.949265	0.342486	0.805542	ENSMUSG0 Peg10
ENSMUSG0	4.646576	-0.8838	0.931195	-0.9491	0.342569	0.805542	ENSMUSG0 Gm15734
ENSMUSG0	363.0411	-0.29268	0.308379	-0.94909	0.342574	0.805542	ENSMUSG0 Akap17b
ENSMUSG0	18.86063	-0.36701	0.386731	-0.94902	0.342613	0.805542	ENSMUSG0 Gm45289
ENSMUSG0	360.7903	0.552237	0.582009	0.948847	0.342699	0.805542	ENSMUSG0 Gimap3
ENSMUSG0	43.38449	-0.27307	0.287814	-0.94876	0.342742	0.805542	ENSMUSG0 Prox2
ENSMUSG0	305.1717	-0.23893	0.251851	-0.94869	0.34278	0.805542	ENSMUSG0 1500015A0
ENSMUSG0	5.021059	1.387493	1.462591	0.948654	0.342797	0.805542	ENSMUSG0 Trbv12-1
ENSMUSG0	4.670557	0.889208	0.937413	0.948576	0.342836	0.805542	ENSMUSG0 Lypd6
ENSMUSG0	1036.509	0.426882	0.450033	0.948558	0.342845	0.805542	ENSMUSG0 Cnn2
ENSMUSG0	592.1255	0.280715	0.295968	0.948466	0.342892	0.805554	ENSMUSG0 Ctc1
ENSMUSG0	8.028519	-0.89801	0.947045	-0.94822	0.343016	0.805747	ENSMUSG0 Gm11695
ENSMUSG0	366.2444	-0.36343	0.383425	-0.94785	0.343205	0.806043	ENSMUSG0 Arl5b
ENSMUSG0	284.094	0.201714	0.212821	0.94781	0.343226	0.806043	ENSMUSG0 Sertad2
ENSMUSG0	385.9351	-0.17851	0.188481	-0.94712	0.343578	0.806771	ENSMUSG0 Aven
ENSMUSG0	54.78141	0.272951	0.288247	0.946937	0.343671	0.806794	ENSMUSG0 BC055324
ENSMUSG0	707.627	-0.21968	0.232026	-0.9468	0.343739	0.806794	ENSMUSG0 Smim19
ENSMUSG0	405.2141	-0.16959	0.179127	-0.94678	0.343751	0.806794	ENSMUSG0 Zswim1
ENSMUSG0	169.3988	0.448578	0.473802	0.946762	0.34376	0.806794	ENSMUSG0 Tnfrsf13b
ENSMUSG0	5426.916	-0.16144	0.170547	-0.94662	0.343832	0.806794	ENSMUSG0 Emb
ENSMUSG0	875.7948	0.122154	0.129053	0.946541	0.343873	0.806794	ENSMUSG0 Ctnnal1
ENSMUSG0	3.871441	1.183785	1.25072	0.946483	0.343902	0.806794	ENSMUSG0 Gm25432
ENSMUSG0	3.232155	-0.89484	0.945477	-0.94644	0.343924	0.806794	ENSMUSG0 Sun3
ENSMUSG0	30.14767	0.362915	0.383612	0.946048	0.344124	0.807026	ENSMUSG0 1700030C1
ENSMUSG0	53.54628	-0.39012	0.412372	-0.94603	0.344133	0.807026	ENSMUSG0 1700086P0

ENSMUSG0	21.87305	-0.54353	0.574551	-0.946	0.344148	0.807026	ENSMUSG0 Igkv12-44
ENSMUSG0	1875.517	-0.18807	0.198879	-0.94564	0.344335	0.807275	ENSMUSG0 Fbxo9
ENSMUSG0	103.9111	0.284401	0.300753	0.945628	0.344338	0.807275	ENSMUSG0 Ung
ENSMUSG0	6.576629	0.84433	0.893059	0.945436	0.344436	0.807407	ENSMUSG0 Gm37891
ENSMUSG0	4.868843	-0.72788	0.769984	-0.94532	0.344493	0.807441	ENSMUSG0 Gm47111
ENSMUSG0	155.0231	0.215044	0.227576	0.944933	0.344693	0.807811	ENSMUSG0 Zfp383
ENSMUSG0	10.19666	0.769239	0.814185	0.944796	0.344763	0.807853	ENSMUSG0 Gm37917
ENSMUSG0	291.9872	0.497344	0.526439	0.944734	0.344795	0.807853	ENSMUSG0 Cd69
ENSMUSG0	1866.715	0.242842	0.25712	0.94447	0.34493	0.80787	ENSMUSG0 Myl12a
ENSMUSG0	208.6482	-0.32788	0.347163	-0.94446	0.344936	0.80787	ENSMUSG0 CAAA01066
ENSMUSG0	353.5863	0.220779	0.233776	0.944407	0.344962	0.80787	ENSMUSG0 Nap1l2
ENSMUSG0	1154.68	-0.24462	0.25902	-0.94439	0.34497	0.80787	ENSMUSG0 Srm
ENSMUSG0	1103.325	-0.20334	0.215427	-0.9439	0.345221	0.80836	ENSMUSG0 Ncoa6
ENSMUSG0	91.60379	-0.33172	0.351488	-0.94377	0.345287	0.808416	ENSMUSG0 Gm26881
ENSMUSG0	1716.151	-0.25961	0.27514	-0.94357	0.34539	0.808491	ENSMUSG0 Pdpk1
ENSMUSG0	138.9038	-0.28206	0.298983	-0.9434	0.345477	0.808491	ENSMUSG0 Fam241a
ENSMUSG0	710.3828	0.237769	0.252045	0.943361	0.345496	0.808491	ENSMUSG0 lws1
ENSMUSG0	144.2113	0.269741	0.285938	0.943353	0.3455	0.808491	ENSMUSG0 Cdc20
ENSMUSG0	2673.116	0.139893	0.148303	0.943296	0.345529	0.808491	ENSMUSG0 Dnajc5
ENSMUSG0	48.77893	0.473655	0.502211	0.943139	0.34561	0.808567	ENSMUSG0 Xkr4
ENSMUSG0	218.4853	0.380438	0.403443	0.942977	0.345692	0.808567	ENSMUSG0 Gimap8
ENSMUSG0	7.874662	-1.00825	1.069278	-0.94292	0.34572	0.808567	ENSMUSG0 Abcc6
ENSMUSG0	661.324	-0.18191	0.192922	-0.9429	0.345732	0.808567	ENSMUSG0 Med14
ENSMUSG0	246.4771	-0.18792	0.199342	-0.94271	0.345828	0.808567	ENSMUSG0 Erich1
ENSMUSG0	352.2176	-0.33391	0.354217	-0.94268	0.345843	0.808567	ENSMUSG0 Smim8
ENSMUSG0	69.27731	0.380115	0.403291	0.942534	0.34592	0.808567	ENSMUSG0 Tmem79
ENSMUSG0	5.111899	-0.97404	1.033441	-0.94252	0.345928	0.808567	ENSMUSG0 Gm16156
ENSMUSG0	800.6946	0.151638	0.160891	0.942493	0.34594	0.808567	ENSMUSG0 Tanc2
ENSMUSG0	22.4622	-0.79199	0.840523	-0.94225	0.346063	0.808755	ENSMUSG0 Gm42941
ENSMUSG0	18.66174	-0.44754	0.475173	-0.94186	0.346266	0.808972	ENSMUSG0 Jph1
ENSMUSG0	2769.893	0.145516	0.154509	0.941794	0.346298	0.808972	ENSMUSG0 Ppp3r1
ENSMUSG0	3894.7	-0.13899	0.147588	-0.94177	0.346311	0.808972	ENSMUSG0 Ybx1
ENSMUSG0	3.648191	1.127569	1.19732	0.941744	0.346324	0.808972	ENSMUSG0 Gm29825
ENSMUSG0	42.81651	0.771859	0.819965	0.941332	0.346535	0.809255	ENSMUSG0 Slamf8
ENSMUSG0	522.6106	-0.36586	0.388659	-0.94133	0.346535	0.809255	ENSMUSG0 Crybg3
ENSMUSG0	741.9062	0.184551	0.196067	0.941261	0.346571	0.809255	ENSMUSG0 Setdb1
ENSMUSG0	9.397532	0.674772	0.716943	0.941178	0.346613	0.809256	ENSMUSG0 Gm45552
ENSMUSG0	233.9372	-0.17956	0.190807	-0.94107	0.346669	0.809263	ENSMUSG0 Cox11
ENSMUSG0	4686.681	-0.12829	0.136366	-0.94082	0.346799	0.809263	ENSMUSG0 Ehmt2
ENSMUSG0	515.8437	-0.17446	0.185446	-0.94078	0.346815	0.809263	ENSMUSG0 Enoph1
ENSMUSG0	10.39315	-0.67811	0.720806	-0.94077	0.346824	0.809263	ENSMUSG0 A630081DC
ENSMUSG0	1267.92	0.195087	0.207387	0.940693	0.346862	0.809263	ENSMUSG0 Grk6
ENSMUSG0	4.867006	1.049412	1.115589	0.94068	0.346869	0.809263	ENSMUSG0 Ighv1-59
ENSMUSG0	1265.135	0.121309	0.128992	0.940439	0.346992	0.809453	ENSMUSG0 Nrpb1
ENSMUSG0	1578.64	-0.17474	0.185878	-0.9401	0.347168	0.809706	ENSMUSG0 Nagk
ENSMUSG0	869.5577	0.160462	0.170692	0.940063	0.347185	0.809706	ENSMUSG0 Pcbp4
ENSMUSG0	2691.73	-0.34149	0.363349	-0.93985	0.347296	0.809787	ENSMUSG0 Mtarc2
ENSMUSG0	44.30925	0.561645	0.597659	0.939742	0.34735	0.809787	ENSMUSG0 Gm15675
ENSMUSG0	16.08269	-0.44472	0.473349	-0.93951	0.347468	0.809787	ENSMUSG0 Gm37760
ENSMUSG0	357.302	-0.29914	0.318424	-0.93944	0.347503	0.809787	ENSMUSG0 Amigo3
ENSMUSG0	216.7521	-0.92655	0.986349	-0.93938	0.347538	0.809787	ENSMUSG0 Gda
ENSMUSG0	6.996462	-0.83737	0.89148	-0.93931	0.347574	0.809787	ENSMUSG0 Gm37745

ENSMUSG0	856.4232	0.196673	0.209391	0.939262	0.347596	0.809787	ENSMUSG0 Ankib1
ENSMUSG0	468.1846	-0.18697	0.199066	-0.93924	0.347609	0.809787	ENSMUSG0 Trp53rka
ENSMUSG0	5433.857	0.118566	0.126246	0.939166	0.347646	0.809787	ENSMUSG0 Rtn3
ENSMUSG0	742.9012	0.256217	0.272837	0.939082	0.347689	0.809787	ENSMUSG0 Cpne3
ENSMUSG0	326.4833	0.172	0.183228	0.938723	0.347873	0.809787	ENSMUSG0 Mks1
ENSMUSG0	6.719931	-0.60451	0.643967	-0.93872	0.347874	0.809787	ENSMUSG0 Gm49328
ENSMUSG0	401.4318	0.368899	0.392981	0.93872	0.347875	0.809787	ENSMUSG0 C1qc
ENSMUSG0	4.553248	-0.71462	0.761298	-0.93869	0.347892	0.809787	ENSMUSG0 Gm50022
ENSMUSG0	17.71584	-0.96798	1.031244	-0.93866	0.347907	0.809787	ENSMUSG0 Nags
ENSMUSG0	412.217	0.248684	0.264937	0.938654	0.347909	0.809787	ENSMUSG0 Arx
ENSMUSG0	430.5221	-0.19967	0.212751	-0.93849	0.347991	0.809787	ENSMUSG0 Nop9
ENSMUSG0	44.43762	0.370511	0.394827	0.938413	0.348032	0.809787	ENSMUSG0 Lingo3
ENSMUSG0	1440.295	0.265025	0.282434	0.938361	0.348059	0.809787	ENSMUSG0 1700086L1
ENSMUSG0	74.75629	0.260607	0.277729	0.938349	0.348065	0.809787	ENSMUSG0 Rbm24
ENSMUSG0	6.293005	-0.64166	0.68387	-0.93827	0.348104	0.809787	ENSMUSG0 Gm3558
ENSMUSG0	23.22203	-0.54743	0.583526	-0.93814	0.348175	0.809853	ENSMUSG0 Trpc3
ENSMUSG0	59.60293	0.451491	0.481313	0.938041	0.348223	0.809869	ENSMUSG0 Eli3
ENSMUSG0	25.56199	0.812165	0.866101	0.937725	0.348386	0.80999	ENSMUSG0 Eprn
ENSMUSG0	7.519516	-0.9764	1.041275	-0.93769	0.348402	0.80999	ENSMUSG0 Gzmb
ENSMUSG0	46.98876	0.593684	0.633264	0.9375	0.348502	0.810124	ENSMUSG0 Rbm41
ENSMUSG0	574.9187	0.358159	0.382118	0.937298	0.348605	0.810267	ENSMUSG0 Wnk3
ENSMUSG0	796.2709	-0.1027	0.109584	-0.9372	0.348655	0.810284	ENSMUSG0 Rrn3
ENSMUSG0	1600.629	-0.29128	0.311003	-0.93657	0.34898	0.810893	ENSMUSG0 Tnrc6b
ENSMUSG0	236.446	0.326892	0.349048	0.936525	0.349003	0.810893	ENSMUSG0 Pcdhga7
ENSMUSG0	94.49434	0.386337	0.412557	0.936446	0.349043	0.810893	ENSMUSG0 Zfp169
ENSMUSG0	7515.329	-0.25356	0.270798	-0.93635	0.349094	0.810912	ENSMUSG0 Sec62
ENSMUSG0	8.793489	-1.0106	1.079727	-0.93597	0.349286	0.811165	ENSMUSG0 Btnl7-ps
ENSMUSG0	758.1942	-0.20719	0.221358	-0.93597	0.349287	0.811165	ENSMUSG0 Nmd3
ENSMUSG0	4.901718	-0.71383	0.762752	-0.93586	0.349343	0.811199	ENSMUSG0 4930461C1
ENSMUSG0	178.1453	0.23795	0.25431	0.935669	0.349444	0.811333	ENSMUSG0 Actr3b
ENSMUSG0	1735.76	-0.17167	0.183508	-0.9355	0.34953	0.811361	ENSMUSG0 Tmem263
ENSMUSG0	2179.285	-0.14169	0.151467	-0.93544	0.349561	0.811361	ENSMUSG0 Man2b1
ENSMUSG0	573.2882	-0.16077	0.171896	-0.9353	0.349636	0.811361	ENSMUSG0 Slain1
ENSMUSG0	537.8094	-0.2087	0.223147	-0.93525	0.349662	0.811361	ENSMUSG0 Frmd4a
ENSMUSG0	3214.387	-0.25948	0.277453	-0.93524	0.349666	0.811361	ENSMUSG0 Pclo
ENSMUSG0	244.6821	0.299911	0.320729	0.935091	0.349741	0.811425	ENSMUSG0 Pygo1
ENSMUSG0	2983.252	-0.10982	0.117449	-0.93502	0.349778	0.811425	ENSMUSG0 Slc25a1
ENSMUSG0	416.9997	-0.12736	0.136228	-0.93491	0.349834	0.811456	ENSMUSG0 Rcc1l
ENSMUSG0	79.49051	0.539953	0.5778	0.934499	0.350047	0.811629	ENSMUSG0 Tlr1
ENSMUSG0	698.5033	0.23618	0.252739	0.934484	0.350054	0.811629	ENSMUSG0 Plcxd2
ENSMUSG0	648.1513	0.493563	0.528171	0.934476	0.350058	0.811629	ENSMUSG0 Irf8
ENSMUSG0	32.44135	-0.27006	0.289007	-0.93444	0.350077	0.811629	ENSMUSG0 Gm28529
ENSMUSG0	16.26241	-0.36245	0.387972	-0.93422	0.350188	0.811683	ENSMUSG0 Gm45546
ENSMUSG0	3.74052	-1.32668	1.420089	-0.93422	0.35019	0.811683	ENSMUSG0 Proz
ENSMUSG0	1179.822	0.138097	0.14784	0.934097	0.350254	0.811683	ENSMUSG0 Hsd17b4
ENSMUSG0	604.1151	0.222197	0.237881	0.934067	0.350269	0.811683	ENSMUSG0 St3gal1
ENSMUSG0	67046.59	-0.34134	0.365495	-0.9339	0.350355	0.811783	ENSMUSG0 Malat1
ENSMUSG0	1954.993	0.191462	0.205072	0.933632	0.350494	0.812007	ENSMUSG0 Tsypyl2
ENSMUSG0	758.3652	0.291329	0.312096	0.93346	0.350583	0.812115	ENSMUSG0 Ptprb
ENSMUSG0	271.2879	0.188416	0.201891	0.933258	0.350687	0.812209	ENSMUSG0 Fancc
ENSMUSG0	134.794	-0.29534	0.316471	-0.93322	0.350707	0.812209	ENSMUSG0 Radil
ENSMUSG0	1293.751	-0.28776	0.308403	-0.93307	0.350782	0.812283	ENSMUSG0 Ndufs5

ENSMUSG0	3812	-0.15124	0.162209	-0.93235	0.351155	0.813049	ENSMUSG0 Marchf8
ENSMUSG0	1487.128	0.221653	0.237761	0.932251	0.351207	0.813072	ENSMUSG0 Heg1
ENSMUSG0	10025.21	-0.25335	0.271837	-0.932	0.351338	0.813168	ENSMUSG0 Rpl9
ENSMUSG0	3.815613	-0.90663	0.972809	-0.93197	0.351351	0.813168	ENSMUSG0 Rapgef3os2
ENSMUSG0	2092.285	-0.1241	0.133198	-0.93172	0.351479	0.813168	ENSMUSG0 Scamp5
ENSMUSG0	10.18098	-0.49726	0.533734	-0.93166	0.351513	0.813168	ENSMUSG0 4930517E1
ENSMUSG0	173.0155	-0.37137	0.398697	-0.93147	0.351613	0.813168	ENSMUSG0 Gm18537
ENSMUSG0	6.179859	1.14856	1.233217	0.931353	0.351671	0.813168	ENSMUSG0 Cfap100
ENSMUSG0	331.9759	0.182803	0.196278	0.931348	0.351674	0.813168	ENSMUSG0 Mblac2
ENSMUSG0	558.8399	0.16835	0.180774	0.931272	0.351713	0.813168	ENSMUSG0 Hccs
ENSMUSG0	1023.676	0.804699	0.864223	0.931124	0.351789	0.813168	ENSMUSG0 Npy
ENSMUSG0	39.76054	0.371302	0.398781	0.931094	0.351805	0.813168	ENSMUSG0 Pcdhgb5
ENSMUSG0	70.69963	-0.32748	0.351761	-0.93098	0.351862	0.813168	ENSMUSG0 Nkapl
ENSMUSG0	993.1013	0.22063	0.236989	0.930972	0.351868	0.813168	ENSMUSG0 Spata13
ENSMUSG0	11997.06	-0.17577	0.188807	-0.93095	0.351881	0.813168	ENSMUSG0 Atp6v0c
ENSMUSG0	2.98642	0.896761	0.963351	0.930876	0.351918	0.813168	ENSMUSG0 E530001F2
ENSMUSG0	3048.501	-0.18588	0.199693	-0.9308	0.351955	0.813168	ENSMUSG0 Eif4g3
ENSMUSG0	1233.726	-0.20321	0.218313	-0.9308	0.351958	0.813168	ENSMUSG0 Chd6
ENSMUSG0	2050.203	0.277205	0.29782	0.930781	0.351967	0.813168	ENSMUSG0 Smc6
ENSMUSG0	5.232492	-0.79091	0.850168	-0.93029	0.352219	0.813468	ENSMUSG0 Gm15739
ENSMUSG0	4229.763	-0.12315	0.132384	-0.93028	0.352227	0.813468	ENSMUSG0 Pgam1
ENSMUSG0	523.6591	-0.17873	0.192122	-0.93027	0.352233	0.813468	ENSMUSG0 Arhgap26
ENSMUSG0	24.7908	0.413057	0.44405	0.930203	0.352266	0.813468	ENSMUSG0 Hspb2
ENSMUSG0	3.460328	1.503848	1.616864	0.930101	0.352319	0.813492	ENSMUSG0 Aire
ENSMUSG0	4.371319	-0.73516	0.790663	-0.92981	0.352472	0.813697	ENSMUSG0 Gm38252
ENSMUSG0	970.9888	-0.30262	0.325483	-0.92977	0.352492	0.813697	ENSMUSG0 Lmtk3
ENSMUSG0	3.386703	-0.87697	0.943575	-0.92941	0.352678	0.81374	ENSMUSG0 Gm45201
ENSMUSG0	3.720643	-0.78155	0.840919	-0.9294	0.352682	0.81374	ENSMUSG0 Gm42778
ENSMUSG0	31.47123	0.530663	0.571003	0.929352	0.352706	0.81374	ENSMUSG0 Art4
ENSMUSG0	110.728	0.368203	0.396199	0.929337	0.352714	0.81374	ENSMUSG0 Adamts18
ENSMUSG0	576.3626	-0.42401	0.45628	-0.92928	0.352745	0.81374	ENSMUSG0 Vtn
ENSMUSG0	3.636691	0.887958	0.955599	0.929216	0.352777	0.81374	ENSMUSG0 8430430B1
ENSMUSG0	1745.102	0.12528	0.134842	0.929089	0.352843	0.81374	ENSMUSG0 Arl6ip5
ENSMUSG0	615.1574	0.430582	0.463452	0.929077	0.352849	0.81374	ENSMUSG0 Hcls1
ENSMUSG0	85.97755	0.263949	0.28415	0.928909	0.352936	0.813751	ENSMUSG0 Zfp867
ENSMUSG0	1722.46	-0.14196	0.152835	-0.92885	0.352966	0.813751	ENSMUSG0 Txn2
ENSMUSG0	378.3024	-0.1926	0.20748	-0.92828	0.353262	0.813751	ENSMUSG0 Med26
ENSMUSG0	176.9603	0.388372	0.41838	0.928276	0.353265	0.813751	ENSMUSG0 Gm28043
ENSMUSG0	4.937669	0.859073	0.925509	0.928217	0.353295	0.813751	ENSMUSG0 Gm43412
ENSMUSG0	93.68917	-0.22253	0.23974	-0.92821	0.353297	0.813751	ENSMUSG0 Lrrc51
ENSMUSG0	29.29869	0.41804	0.45041	0.928134	0.353338	0.813751	ENSMUSG0 Zfp454
ENSMUSG0	9.204725	-0.45126	0.486202	-0.92813	0.35334	0.813751	ENSMUSG0 Gm43570
ENSMUSG0	36.54618	0.70416	0.758691	0.928125	0.353343	0.813751	ENSMUSG0 9130008F2
ENSMUSG0	186.9811	-0.22331	0.240603	-0.92811	0.353353	0.813751	ENSMUSG0 Casp7
ENSMUSG0	1232.836	0.219704	0.236723	0.928106	0.353353	0.813751	ENSMUSG0 Prxl2a
ENSMUSG0	597.8671	0.170582	0.183799	0.928089	0.353362	0.813751	ENSMUSG0 Mllt11
ENSMUSG0	100.0802	0.238567	0.25713	0.927807	0.353508	0.813893	ENSMUSG0 Kcnc2
ENSMUSG0	909.9979	-0.22021	0.23742	-0.92752	0.353655	0.814047	ENSMUSG0 Lrrc14
ENSMUSG0	40.94397	-0.34142	0.368097	-0.92751	0.353659	0.814047	ENSMUSG0 Ptges3l
ENSMUSG0	3206.83	-0.17314	0.186711	-0.92731	0.353767	0.814179	ENSMUSG0 Clk1
ENSMUSG0	4.127879	0.694336	0.748819	0.927241	0.353801	0.814179	ENSMUSG0 Gm19265
ENSMUSG0	640.0549	-0.21288	0.229679	-0.92687	0.353997	0.814391	ENSMUSG0 2510002D2

ENSMUSG0	375.1904	-0.2286	0.246651	-0.92683	0.354013	0.814391	ENSMUSG0	Slc25a29
ENSMUSG0	1095.134	-0.20251	0.218518	-0.92674	0.354061	0.814391	ENSMUSG0	Arl4a
ENSMUSG0	32.10699	-0.41998	0.45318	-0.92674	0.354063	0.814391	ENSMUSG0	Car5b
ENSMUSG0	727.8254	-0.15202	0.164095	-0.92642	0.354226	0.814554	ENSMUSG0	Dcaf10
ENSMUSG0	9.742946	-0.46225	0.498983	-0.92638	0.354247	0.814554	ENSMUSG0	Gm44432
ENSMUSG0	14.87068	0.733518	0.791831	0.926357	0.354261	0.814554	ENSMUSG0	Ighv1-26
ENSMUSG0	4.98722	0.812605	0.877648	0.925889	0.354504	0.814904	ENSMUSG0	Zfp985
ENSMUSG0	13.37852	0.398325	0.430233	0.925835	0.354532	0.814904	ENSMUSG0	CF730016J06
ENSMUSG0	621.9448	0.173473	0.187372	0.925819	0.35454	0.814904	ENSMUSG0	Dcun1d4
ENSMUSG0	8.316668	0.591441	0.638989	0.925588	0.35466	0.814999	ENSMUSG0	Gm43823
ENSMUSG0	57.02965	-0.27231	0.29421	-0.92558	0.354666	0.814999	ENSMUSG0	A330035P1
ENSMUSG0	1636.212	0.131128	0.141687	0.925471	0.354721	0.815028	ENSMUSG0	Ubfd1
ENSMUSG0	639.1493	0.211821	0.228958	0.925149	0.354889	0.815149	ENSMUSG0	Tgfb3
ENSMUSG0	121.2962	0.273563	0.295739	0.925015	0.354958	0.815149	ENSMUSG0	Itgb3
ENSMUSG0	1122.497	-0.16098	0.174039	-0.92496	0.354987	0.815149	ENSMUSG0	Irf2bpl
ENSMUSG0	7.027383	0.768316	0.830721	0.924878	0.35503	0.815149	ENSMUSG0	Ighv14-2
ENSMUSG0	76.52928	0.32352	0.349825	0.924807	0.355066	0.815149	ENSMUSG0	Bbof1
ENSMUSG0	1034.677	-0.15191	0.164283	-0.92467	0.355138	0.815149	ENSMUSG0	Ttc4
ENSMUSG0	45.41374	0.332881	0.360006	0.924655	0.355146	0.815149	ENSMUSG0	Skp2
ENSMUSG0	277.5027	-0.24897	0.269264	-0.92464	0.355154	0.815149	ENSMUSG0	Wdr53
ENSMUSG0	6.513042	0.661646	0.715597	0.924606	0.355171	0.815149	ENSMUSG0	2410004P0
ENSMUSG0	3.855011	0.712922	0.771131	0.924515	0.355218	0.815149	ENSMUSG0	Gm15892
ENSMUSG0	26.78274	0.657927	0.711703	0.92444	0.355257	0.815149	ENSMUSG0	Gm37240
ENSMUSG0	4.359241	-0.76588	0.828606	-0.9243	0.355329	0.815149	ENSMUSG0	Gm43868
ENSMUSG0	6.711475	-0.7586	0.820809	-0.92421	0.355376	0.815149	ENSMUSG0	Gm16741
ENSMUSG0	245.9851	0.27092	0.293137	0.924208	0.355378	0.815149	ENSMUSG0	Akap6
ENSMUSG0	26.87353	0.388706	0.420625	0.924116	0.355426	0.815149	ENSMUSG0	Gm32618
ENSMUSG0	633.2295	0.191524	0.207263	0.924067	0.355452	0.815149	ENSMUSG0	Plp2
ENSMUSG0	1290.405	-0.14325	0.155042	-0.92392	0.35553	0.815165	ENSMUSG0	Pik3ca
ENSMUSG0	4.316735	1.07381	1.16227	0.92389	0.355543	0.815165	ENSMUSG0	Gm33104
ENSMUSG0	125.8991	-0.16401	0.177602	-0.92349	0.35575	0.815358	ENSMUSG0	Glt28d2
ENSMUSG0	276.1798	0.147151	0.159364	0.923366	0.355816	0.815358	ENSMUSG0	Ddb2
ENSMUSG0	536.6188	0.155711	0.168642	0.923321	0.35584	0.815358	ENSMUSG0	Mif4gd
ENSMUSG0	53.62034	0.283876	0.307461	0.923292	0.355855	0.815358	ENSMUSG0	Gm15496
ENSMUSG0	288.7402	0.174425	0.188934	0.923202	0.355902	0.815358	ENSMUSG0	Kctd9
ENSMUSG0	35.56848	0.402718	0.436229	0.923182	0.355912	0.815358	ENSMUSG0	Prr5l
ENSMUSG0	226.654	0.468208	0.507225	0.923078	0.355967	0.815358	ENSMUSG0	Btla
ENSMUSG0	15.28233	0.585091	0.633848	0.923078	0.355967	0.815358	ENSMUSG0	Klra2
ENSMUSG0	35.09314	0.48704	0.52778	0.922808	0.356107	0.815498	ENSMUSG0	Hsh2d
ENSMUSG0	375.5423	-0.27274	0.295559	-0.9228	0.356113	0.815498	ENSMUSG0	Spat5
ENSMUSG0	40.83132	1.076483	1.16673	0.92265	0.35619	0.815577	ENSMUSG0	Ltf
ENSMUSG0	64.0584	-1.28018	1.387952	-0.92235	0.356345	0.815825	ENSMUSG0	Arg2
ENSMUSG0	514.4125	0.247894	0.2688	0.922222	0.356413	0.815825	ENSMUSG0	Utp20
ENSMUSG0	26.22674	-0.31625	0.342934	-0.9222	0.356425	0.815825	ENSMUSG0	Fam221b
ENSMUSG0	587.7625	-0.24129	0.261732	-0.9219	0.356581	0.816084	ENSMUSG0	Rab11fip2
ENSMUSG0	46.88691	0.364981	0.395946	0.921793	0.356637	0.816115	ENSMUSG0	Trarg1
ENSMUSG0	215.7927	-0.2214	0.240248	-0.92154	0.356768	0.816217	ENSMUSG0	Adgrb3
ENSMUSG0	7.494198	-0.69719	0.756768	-0.92127	0.356911	0.816217	ENSMUSG0	Gm20628
ENSMUSG0	6.032535	0.679398	0.73749	0.92123	0.35693	0.816217	ENSMUSG0	Tafa2
ENSMUSG0	285.2967	-0.13662	0.148304	-0.92121	0.356941	0.816217	ENSMUSG0	Spidr
ENSMUSG0	113.457	0.419028	0.4549	0.921143	0.356976	0.816217	ENSMUSG0	Cnr2
ENSMUSG0	134.8408	-0.2432	0.264036	-0.92108	0.357008	0.816217	ENSMUSG0	Klhl3

ENSMUSG0	6948.425	-0.24979	0.271201	-0.92105	0.357025	0.816217	ENSMUSG0 Bace2
ENSMUSG0	1345.95	0.303245	0.329247	0.921024	0.357038	0.816217	ENSMUSG0 Csrnp1
ENSMUSG0	647.271	0.300017	0.325815	0.920819	0.357145	0.816217	ENSMUSG0 Fam13b
ENSMUSG0	111.7266	0.287965	0.312758	0.920729	0.357192	0.816217	ENSMUSG0 Mctp2
ENSMUSG0	191.4071	0.272019	0.295446	0.920707	0.357204	0.816217	ENSMUSG0 Fes
ENSMUSG0	1053.498	-0.1281	0.13913	-0.9207	0.357206	0.816217	ENSMUSG0 Trappc13
ENSMUSG0	920.0732	-0.15824	0.171879	-0.92065	0.357233	0.816217	ENSMUSG0 Trim24
ENSMUSG0	117.0281	0.193934	0.210711	0.920379	0.357375	0.816445	ENSMUSG0 Gm26982
ENSMUSG0	1335.646	0.215324	0.233994	0.920211	0.357462	0.816511	ENSMUSG0 Ehd1
ENSMUSG0	1792.37	-0.25559	0.277768	-0.92015	0.357493	0.816511	ENSMUSG0 Sec11a
ENSMUSG0	6.817594	-0.7565	0.822209	-0.92008	0.357532	0.816511	ENSMUSG04930412L0!
ENSMUSG0	5.555407	-0.73399	0.797826	-0.91999	0.35758	0.816511	ENSMUSG0 Slc25a34
ENSMUSG0	437.0167	0.269975	0.293513	0.919806	0.357674	0.816511	ENSMUSG0 Rnf227
ENSMUSG0	21.41686	0.424413	0.461435	0.919768	0.357694	0.816511	ENSMUSG0 Gm16794
ENSMUSG0	22.12676	-0.4569	0.496786	-0.91972	0.357719	0.816511	ENSMUSG0 Gm26682
ENSMUSG0	360.4184	0.222243	0.241668	0.919622	0.35777	0.816511	ENSMUSG0 Abca8b
ENSMUSG0	7.842433	-0.65069	0.707658	-0.91949	0.357837	0.816511	ENSMUSG0 Gm49086
ENSMUSG0	8580.679	-0.12019	0.130719	-0.91944	0.357864	0.816511	ENSMUSG0 Copg1
ENSMUSG0	506.6038	-0.1909	0.207633	-0.91943	0.357871	0.816511	ENSMUSG0 Taf2
ENSMUSG0	118.8916	-0.19283	0.209755	-0.91929	0.357941	0.816575	ENSMUSG0 Itpka
ENSMUSG0	9.930946	-0.53561	0.582752	-0.91911	0.358038	0.816652	ENSMUSG0 Gm15351
ENSMUSG0	9.426496	-0.58614	0.63776	-0.91906	0.358065	0.816652	ENSMUSG0 Rps10-ps4
ENSMUSG0	7.00372	0.70684	0.769152	0.918986	0.358103	0.816652	ENSMUSG0 Gm45148
ENSMUSG0	3.827317	0.76033	0.82798	0.918296	0.358464	0.817107	ENSMUSG0 Stpg3
ENSMUSG0	189.1005	0.139868	0.152318	0.91826	0.358483	0.817107	ENSMUSG0 Zfp846
ENSMUSG0	4.41425	-1.03948	1.132074	-0.91821	0.358511	0.817107	ENSMUSG04930417H0
ENSMUSG0	568.2155	-0.27928	0.304161	-0.91819	0.358521	0.817107	ENSMUSG0 Mettl23
ENSMUSG0	328.4618	-0.12488	0.136036	-0.91796	0.358638	0.817107	ENSMUSG0 Syt3
ENSMUSG0	777.6262	0.1384	0.150769	0.917958	0.358641	0.817107	ENSMUSG0 Camk1
ENSMUSG0	615.8065	-0.26801	0.291968	-0.91796	0.358642	0.817107	ENSMUSG0 Ptar1
ENSMUSG0	14.77232	0.670067	0.729996	0.917905	0.358668	0.817107	ENSMUSG0 Gm48933
ENSMUSG0	3.311535	-1.04202	1.135517	-0.91766	0.358797	0.817107	ENSMUSG0 Gm38104
ENSMUSG0	4.212591	-1.04176	1.135246	-0.91765	0.358802	0.817107	ENSMUSG0 Gm40773
ENSMUSG0	511.5618	-0.14489	0.157897	-0.9176	0.358826	0.817107	ENSMUSG0 Ap4m1
ENSMUSG0	2230.928	-0.13598	0.148195	-0.91757	0.358843	0.817107	ENSMUSG0 Aftph
ENSMUSG0	3.734687	1.021097	1.112851	0.91755	0.358854	0.817107	ENSMUSG0 Myo3b
ENSMUSG0	480.5141	-0.21755	0.237143	-0.91737	0.358948	0.81712	ENSMUSG0 Desi2
ENSMUSG0	28.54115	0.315158	0.343577	0.917285	0.358994	0.81712	ENSMUSG0 Gzmm
ENSMUSG0	1472.325	0.136391	0.148729	0.917046	0.359118	0.81712	ENSMUSG0 Slc25a12
ENSMUSG0	558.1736	-0.17532	0.191223	-0.91685	0.359224	0.81712	ENSMUSG0 Xkr6
ENSMUSG0	6898.491	-0.22765	0.248308	-0.91681	0.35924	0.81712	ENSMUSG0 Map1b
ENSMUSG0	53.60299	0.442618	0.482783	0.916806	0.359244	0.81712	ENSMUSG0 Corin
ENSMUSG0	1286.935	0.172655	0.188346	0.916691	0.359305	0.81712	ENSMUSG0 Ptk2b
ENSMUSG0	186.8814	0.845048	0.921981	0.916557	0.359375	0.81712	ENSMUSG0 Trbc1
ENSMUSG0	591.3373	0.197017	0.214961	0.916522	0.359393	0.81712	ENSMUSG0 Fem1c
ENSMUSG0	810.5073	-0.17173	0.187376	-0.91649	0.359411	0.81712	ENSMUSG0 Mob2
ENSMUSG0	370.8191	0.300626	0.328028	0.916463	0.359424	0.81712	ENSMUSG0 Bmp2k
ENSMUSG0	204.0401	0.276844	0.302086	0.916441	0.359436	0.81712	ENSMUSG0 Tnfaip2
ENSMUSG0	5.832269	-0.84876	0.92619	-0.9164	0.359456	0.81712	ENSMUSG0 Gm45483
ENSMUSG0	2368.876	0.228732	0.249609	0.916363	0.359477	0.81712	ENSMUSG0 Glis
ENSMUSG0	55.01671	1.072722	1.170697	0.916311	0.359504	0.81712	ENSMUSG0 Ubd
ENSMUSG0	4.428267	-0.97513	1.064335	-0.91619	0.359568	0.81712	ENSMUSG0 Mroh2a

ENSMUSG0	5.974776	0.758976	0.828431	0.916162	0.359582	0.81712	ENSMUSG0 Lpar5
ENSMUSG0	1415.92	-0.10425	0.113802	-0.91605	0.35964	0.817154	ENSMUSG0 Snx19
ENSMUSG0	13.44744	-0.67047	0.7326	-0.9152	0.360088	0.81798	ENSMUSG0 Batf2
ENSMUSG0	2093.283	0.14717	0.160828	0.915078	0.360151	0.818026	ENSMUSG0 Tab2
ENSMUSG0	75.19969	-0.2634	0.287897	-0.91489	0.360248	0.818149	ENSMUSG0 Gm35339
ENSMUSG0	216.3927	0.209922	0.229562	0.914448	0.360481	0.818584	ENSMUSG0 Tmem141
ENSMUSG0	2047.972	0.237252	0.259483	0.914324	0.360547	0.818635	ENSMUSG0 Msi2
ENSMUSG0	59.1117	0.429621	0.469975	0.914136	0.360645	0.818762	ENSMUSG0 Usp50
ENSMUSG0	20.87227	0.480661	0.525909	0.913964	0.360736	0.818777	ENSMUSG0 Endou
ENSMUSG0	1993.384	0.175826	0.192389	0.913909	0.360765	0.818777	ENSMUSG0 C9330182L01
ENSMUSG0	1035.764	-0.15728	0.172106	-0.91388	0.360779	0.818777	ENSMUSG0 Thap11
ENSMUSG0	1302.69	0.264548	0.289565	0.913604	0.360925	0.818964	ENSMUSG0 Jpt1
ENSMUSG0	1941.168	-0.31762	0.347685	-0.91354	0.36096	0.818964	ENSMUSG0 Apeh
ENSMUSG0	506.0999	0.209729	0.229593	0.913481	0.36099	0.818964	ENSMUSG0 Hat1
ENSMUSG0	632.0953	-0.28313	0.310024	-0.91325	0.361113	0.819096	ENSMUSG0 Dpy30
ENSMUSG0	248.7827	0.158512	0.173577	0.913209	0.361133	0.819096	ENSMUSG0 Ankrd13d
ENSMUSG0	6.576264	0.669699	0.733667	0.912811	0.361342	0.819366	ENSMUSG0 Pcdh5
ENSMUSG0	1066.212	-0.17892	0.196061	-0.91258	0.361466	0.819366	ENSMUSG0 Cdc26
ENSMUSG0	245.5067	0.382983	0.419711	0.912493	0.361509	0.819366	ENSMUSG0 Lrmp
ENSMUSG0	6412.574	0.139448	0.152824	0.912472	0.36152	0.819366	ENSMUSG0 Atp1b1
ENSMUSG0	1173.983	-0.14504	0.15895	-0.91247	0.36152	0.819366	ENSMUSG0 Dctn3
ENSMUSG0	5.481148	-0.81738	0.895892	-0.91237	0.361575	0.819366	ENSMUSG0 Ccnb2-ps
ENSMUSG0	946.3155	-0.15972	0.175064	-0.91234	0.36159	0.819366	ENSMUSG0 Prpf40b
ENSMUSG0	18.79862	-0.50695	0.555658	-0.91233	0.361593	0.819366	ENSMUSG0 Gm49032
ENSMUSG0	420.0169	0.187248	0.205262	0.912235	0.361645	0.819388	ENSMUSG0 Gm26782
ENSMUSG0	17.16558	0.72348	0.793195	0.912109	0.361712	0.819442	ENSMUSG0 Sla2
ENSMUSG0	41833.26	-0.1514	0.166009	-0.91197	0.361784	0.819509	ENSMUSG0 Ubb
ENSMUSG0	819.7753	-0.13012	0.142731	-0.91164	0.361958	0.819686	ENSMUSG0 Chst12
ENSMUSG0	16.40524	0.410461	0.450264	0.911601	0.361979	0.819686	ENSMUSG0 Artn
ENSMUSG0	270.8248	0.317448	0.348268	0.911505	0.362029	0.819686	ENSMUSG0 Arhgap31
ENSMUSG0	4.338793	-0.77463	0.849839	-0.9115	0.362032	0.819686	ENSMUSG0 Gm40709
ENSMUSG0	7.067747	1.177425	1.29214	0.911221	0.362179	0.819921	ENSMUSG0 Pgam2
ENSMUSG0	12.12623	0.509124	0.558831	0.911053	0.362267	0.819948	ENSMUSG0 Cacna1f
ENSMUSG0	5.266721	-0.61796	0.678318	-0.91102	0.362287	0.819948	ENSMUSG0 Gm13033
ENSMUSG0	161.7973	-0.35634	0.391166	-0.91096	0.362319	0.819948	ENSMUSG0 Igf2
ENSMUSG0	5116.29	-0.10443	0.114653	-0.91083	0.362386	0.820004	ENSMUSG0 Eif3c
ENSMUSG0	7.316547	0.727536	0.798845	0.910734	0.362435	0.82002	ENSMUSG0 Gm16046
ENSMUSG0	2234.909	-0.26834	0.294699	-0.91057	0.362522	0.820119	ENSMUSG0 Uqcrcq
ENSMUSG0	27.38706	0.556187	0.610967	0.910339	0.362644	0.82026	ENSMUSG0 Kif2c
ENSMUSG0	20.13446	0.412448	0.453095	0.91029	0.362669	0.82026	ENSMUSG0 Mtrf2
ENSMUSG0	214.9268	-0.14575	0.160133	-0.91018	0.36273	0.820301	ENSMUSG0 Rbm48
ENSMUSG0	4.614248	-0.99313	1.0915	-0.90987	0.362889	0.82052	ENSMUSG0 Gm44797
ENSMUSG0	88.45472	0.422562	0.464491	0.909731	0.362965	0.82052	ENSMUSG0 Galnt3
ENSMUSG0	950.5414	-0.33926	0.372964	-0.90963	0.363017	0.82052	ENSMUSG0 Atp5k
ENSMUSG0	56.79714	-0.66774	0.734074	-0.90963	0.363018	0.82052	ENSMUSG0 Heph
ENSMUSG0	291.5529	0.145154	0.159614	0.90941	0.363134	0.82052	ENSMUSG0 Trim21
ENSMUSG0	412.6942	0.157764	0.173488	0.909366	0.363157	0.82052	ENSMUSG0 Dcbl2
ENSMUSG0	757.7254	-0.29231	0.321454	-0.90935	0.363166	0.82052	ENSMUSG0 Cript
ENSMUSG0	1249.685	-0.22404	0.246409	-0.90921	0.363241	0.82052	ENSMUSG0 Naa60
ENSMUSG0	450.7875	-0.16728	0.183987	-0.9092	0.363243	0.82052	ENSMUSG0 Fig4
ENSMUSG0	3883.115	-0.24584	0.270419	-0.90911	0.363291	0.82052	ENSMUSG0 Ppp1r15a
ENSMUSG0	615.0659	-0.16	0.175993	-0.9091	0.363296	0.82052	ENSMUSG0 Btdb6

ENSMUSG0	581.5557	-0.24011	0.264201	-0.90883	0.363441	0.820648	ENSMUSG0	Parp4
ENSMUSG0	31.56507	0.562545	0.619032	0.90875	0.363482	0.820648	ENSMUSG0	Nkd2
ENSMUSG0	613.6301	0.161104	0.177289	0.90871	0.363503	0.820648	ENSMUSG0	Kif16b
ENSMUSG0	1462.919	-0.18631	0.205037	-0.90866	0.363531	0.820648	ENSMUSG0	Prr13
ENSMUSG0	55.39054	-1.16274	1.27972	-0.90859	0.363566	0.820648	ENSMUSG0	Igfbp2
ENSMUSG0	431.8089	-0.26145	0.2878	-0.90843	0.363649	0.820678	ENSMUSG0	Ints2
ENSMUSG0	781.0278	-0.18588	0.204631	-0.90836	0.36369	0.820678	ENSMUSG0	Slc11a2
ENSMUSG0	3297.821	-0.27202	0.299501	-0.90825	0.363748	0.820678	ENSMUSG0	Srp9
ENSMUSG0	299.02	-0.23569	0.259502	-0.90824	0.36375	0.820678	ENSMUSG0	Sdk1
ENSMUSG0	2220.79	-0.20534	0.226186	-0.90786	0.363953	0.821039	ENSMUSG0	Fam91a1
ENSMUSG0	270.6158	-0.23061	0.254054	-0.90772	0.364026	0.82104	ENSMUSG0	Trmt61a
ENSMUSG0	1098.319	-0.3372	0.371489	-0.9077	0.364039	0.82104	ENSMUSG0	Cox16
ENSMUSG0	4.474221	0.917431	1.011044	0.90741	0.36419	0.821285	ENSMUSG0	Gm43388
ENSMUSG0	1831.507	0.17184	0.189461	0.906993	0.364411	0.821625	ENSMUSG0	Tpm4
ENSMUSG0	534.099	-0.20977	0.231284	-0.90696	0.364426	0.821625	ENSMUSG0	Nr2c2ap
ENSMUSG0	248.763	-0.19315	0.213	-0.90678	0.364521	0.821743	ENSMUSG0	9330159F1
ENSMUSG0	235.3675	-0.24116	0.266029	-0.90652	0.364661	0.82196	ENSMUSG0	Yars2
ENSMUSG0	6.898903	0.675375	0.745123	0.906395	0.364727	0.822014	ENSMUSG0	Prtr4
ENSMUSG0	571.6912	-0.26329	0.290542	-0.90619	0.364833	0.822131	ENSMUSG0	Nkap
ENSMUSG0	266.7109	0.259569	0.286505	0.905985	0.364944	0.822131	ENSMUSG0	Fanci
ENSMUSG0	8.5058	0.584695	0.645395	0.905949	0.364963	0.822131	ENSMUSG0	Gm19935
ENSMUSG0	285.8895	-0.1443	0.159283	-0.90594	0.364965	0.822131	ENSMUSG0	Aars2
ENSMUSG0	22.07157	-0.33616	0.371098	-0.90586	0.365009	0.822131	ENSMUSG0	Stpg1
ENSMUSG0	3.431005	0.863253	0.953015	0.905812	0.365035	0.822131	ENSMUSG0	Lingo2
ENSMUSG0	11.15268	0.760352	0.839828	0.905366	0.365271	0.822413	ENSMUSG0	Igkv8-27
ENSMUSG0	5.499141	-0.91142	1.006834	-0.90524	0.36534	0.822413	ENSMUSG0	Gm43430
ENSMUSG0	8.753854	0.540413	0.597067	0.905112	0.365406	0.822413	ENSMUSG0	Gm50105
ENSMUSG0	61.4451	0.29978	0.331208	0.905109	0.365408	0.822413	ENSMUSG0	Gpx7
ENSMUSG0	733.5952	0.184362	0.203701	0.905062	0.365433	0.822413	ENSMUSG0	Bad
ENSMUSG0	144.6138	1.000512	1.105643	0.904914	0.365511	0.822413	ENSMUSG0	Marco
ENSMUSG0	552.5258	0.194676	0.215144	0.904863	0.365538	0.822413	ENSMUSG0	Zfyve9
ENSMUSG0	1101.183	-0.206	0.227659	-0.90486	0.365541	0.822413	ENSMUSG0	Ptpn23
ENSMUSG0	10.4267	-0.67548	0.746603	-0.90474	0.365602	0.822413	ENSMUSG0	Gm19445
ENSMUSG0	3.202492	-1.17099	1.294583	-0.90453	0.365713	0.822413	ENSMUSG0	Cntnap3
ENSMUSG0	1581.75	0.197706	0.218579	0.904505	0.365728	0.822413	ENSMUSG0	Ube4a
ENSMUSG0	2112.284	-0.13847	0.153105	-0.90443	0.365768	0.822413	ENSMUSG0	Mfn2
ENSMUSG0	29.10562	0.459479	0.508043	0.904408	0.365779	0.822413	ENSMUSG0	Scd3
ENSMUSG0	702.0867	-0.17165	0.189797	-0.9044	0.365782	0.822413	ENSMUSG0	Wdr36
ENSMUSG0	68.84099	0.269905	0.298452	0.904348	0.365811	0.822413	ENSMUSG0	A930017M
ENSMUSG0	3480.672	-0.08898	0.098394	-0.90428	0.365845	0.822413	ENSMUSG0	Ldb1
ENSMUSG0	3102.399	-0.16348	0.180812	-0.90414	0.36592	0.822436	ENSMUSG0	Fasn
ENSMUSG0	205.5613	-0.18776	0.2077	-0.90402	0.365985	0.822436	ENSMUSG0	Hddc3
ENSMUSG0	104.7832	-0.56869	0.629146	-0.90391	0.366041	0.822436	ENSMUSG0	Gm45799
ENSMUSG0	27.18857	-0.46498	0.514423	-0.9039	0.366051	0.822436	ENSMUSG0	Pcdh18
ENSMUSG0	57.75912	-0.71132	0.78698	-0.90386	0.366069	0.822436	ENSMUSG0	Mgst2
ENSMUSG0	3.339732	1.095002	1.211792	0.903622	0.366196	0.822625	ENSMUSG0	Tmem200c
ENSMUSG0	5.261112	0.670948	0.742625	0.903482	0.36627	0.822697	ENSMUSG0	Gm47246
ENSMUSG0	148.8305	0.279551	0.309467	0.903332	0.36635	0.822713	ENSMUSG0	Gfod1
ENSMUSG0	50.99794	-0.32072	0.35505	-0.90331	0.366363	0.822713	ENSMUSG0	C030015A1
ENSMUSG0	1431.496	-0.20171	0.223351	-0.90312	0.366464	0.822843	ENSMUSG0	Tars
ENSMUSG0	69.5163	-0.46448	0.514376	-0.90299	0.366532	0.822901	ENSMUSG0	E230020A0
ENSMUSG0	14.82542	-0.65709	0.727806	-0.90283	0.366615	0.822991	ENSMUSG0	Gm49272

ENSMUSG0	16.3393	-0.40893	0.453136	-0.90245	0.366818	0.823291	ENSMUSG0 Rps19-ps3
ENSMUSG0	1026.702	-0.12434	0.137798	-0.90232	0.366888	0.823291	ENSMUSG0 Tapbpl
ENSMUSG0	254.8939	-0.13024	0.14438	-0.90203	0.367042	0.823291	ENSMUSG0 Exog
ENSMUSG0	193.0843	0.304172	0.337243	0.901938	0.36709	0.823291	ENSMUSG0 Spry4
ENSMUSG0	254.1832	-0.20048	0.2223	-0.90184	0.367143	0.823291	ENSMUSG0 Gin1
ENSMUSG0	223.9483	-0.21281	0.235982	-0.90182	0.36715	0.823291	ENSMUSG0 Zfp74
ENSMUSG0	50.13829	0.30375	0.336818	0.901822	0.367151	0.823291	ENSMUSG0 Vstm4
ENSMUSG0	10.31331	0.433811	0.481077	0.90175	0.36719	0.823291	ENSMUSG0 Gm43852
ENSMUSG0	41.64909	0.310637	0.344516	0.901663	0.367236	0.823291	ENSMUSG0 Ush1g
ENSMUSG0	2118.805	-0.18977	0.210496	-0.90152	0.367313	0.823291	ENSMUSG0 TtlI7
ENSMUSG0	12.19068	0.512024	0.567966	0.901504	0.36732	0.823291	ENSMUSG0 Gm44949
ENSMUSG0	38.70864	0.40242	0.446422	0.901434	0.367357	0.823291	ENSMUSG0 Bard1
ENSMUSG0	262.7981	-0.17032	0.188949	-0.9014	0.367375	0.823291	ENSMUSG0 Rad9a
ENSMUSG0	3.805098	-0.83711	0.928677	-0.9014	0.367378	0.823291	ENSMUSG0 Gm47258
ENSMUSG0	373.0485	0.320739	0.355834	0.901371	0.367391	0.823291	ENSMUSG0 Aldh1a1
ENSMUSG0	869.1445	-0.27076	0.300572	-0.90082	0.367686	0.823857	ENSMUSG0 Hint2
ENSMUSG0	1456.524	0.411034	0.45641	0.90058	0.367812	0.823988	ENSMUSG0 Lcp1
ENSMUSG0	373.9314	0.16722	0.185688	0.900545	0.36783	0.823988	ENSMUSG0 Nek4
ENSMUSG0	542.7999	-0.19414	0.215613	-0.90039	0.36791	0.824071	ENSMUSG0 Mccc2
ENSMUSG0	4.964962	0.864684	0.961081	0.8997	0.36828	0.824703	ENSMUSG0 Ifitm6
ENSMUSG0	1341.038	-0.1879	0.208872	-0.89959	0.368341	0.824703	ENSMUSG0 Galk2
ENSMUSG0	3.872999	1.075116	1.195179	0.899544	0.368363	0.824703	ENSMUSG0 Gm14760
ENSMUSG0	15.11218	-0.42905	0.476962	-0.89954	0.368364	0.824703	ENSMUSG0 4732414G0
ENSMUSG0	1988.997	-0.19372	0.215383	-0.89942	0.368427	0.824749	ENSMUSG0 Sipal13
ENSMUSG0	68.06194	0.354646	0.394441	0.899109	0.368594	0.824949	ENSMUSG0 Ggt5
ENSMUSG0	32.64979	-0.28212	0.313798	-0.89904	0.368633	0.824949	ENSMUSG0 Gm43579
ENSMUSG0	19.05742	0.647411	0.720147	0.898999	0.368653	0.824949	ENSMUSG0 Gm10605
ENSMUSG0	502.1832	0.207296	0.230603	0.898934	0.368688	0.824949	ENSMUSG0 Plp1
ENSMUSG0	241.3658	0.186346	0.207343	0.898737	0.368793	0.825084	ENSMUSG0 Neurl1b
ENSMUSG0	667.9984	-0.18774	0.208942	-0.89851	0.368914	0.825084	ENSMUSG0 Fam20a
ENSMUSG0	749.6494	0.34953	0.389018	0.898493	0.368923	0.825084	ENSMUSG0 Gimap6
ENSMUSG0	12.47514	0.384359	0.427803	0.898448	0.368947	0.825084	ENSMUSG0 Pcdhb7
ENSMUSG0	855.7916	-0.19875	0.221227	-0.89842	0.368963	0.825084	ENSMUSG0 Dennd6a
ENSMUSG0	900.4662	-0.15113	0.168242	-0.8983	0.369027	0.825131	ENSMUSG0 Rhoq
ENSMUSG0	107.7885	0.205998	0.229432	0.89786	0.36926	0.825401	ENSMUSG0 Mpzl3
ENSMUSG0	937.9721	-0.15741	0.175327	-0.89783	0.369277	0.825401	ENSMUSG0 Fundc2
ENSMUSG0	2817.666	-0.25397	0.282879	-0.89781	0.369287	0.825401	ENSMUSG0 Coa3
ENSMUSG0	178.6102	-0.1957	0.217991	-0.89774	0.369322	0.825401	ENSMUSG0 Fbxw17
ENSMUSG0	5.410381	0.631994	0.704039	0.897668	0.369362	0.825401	ENSMUSG0 Gm17322
ENSMUSG0	2828.775	-0.1927	0.214735	-0.8974	0.369506	0.825626	ENSMUSG0 Specc1l
ENSMUSG0	390.9943	-0.17957	0.200164	-0.8971	0.369667	0.825763	ENSMUSG0 Thns1
ENSMUSG0	27.26889	-0.50561	0.563624	-0.89707	0.36968	0.825763	ENSMUSG0 Gm10244
ENSMUSG0	314.5151	-0.26283	0.292992	-0.89704	0.369696	0.825763	ENSMUSG0 Zfp991
ENSMUSG0	191.3757	0.426237	0.475305	0.896764	0.369845	0.825848	ENSMUSG0 Ccdc88b
ENSMUSG0	11.6443	-0.76352	0.851431	-0.89675	0.369855	0.825848	ENSMUSG0 4933440M0
ENSMUSG0	366.4816	-0.12528	0.139703	-0.89673	0.369863	0.825848	ENSMUSG0 Zkscan6
ENSMUSG0	419.5899	0.240462	0.268239	0.896448	0.370013	0.826088	ENSMUSG0 Ccdc34
ENSMUSG0	512.167	0.220354	0.245859	0.896264	0.370112	0.826173	ENSMUSG0 Orai2
ENSMUSG0	52.35754	0.471157	0.525718	0.896217	0.370137	0.826173	ENSMUSG0 Clec12a
ENSMUSG0	200.8278	-0.17787	0.198509	-0.89601	0.370245	0.826225	ENSMUSG0 Zfp697
ENSMUSG0	457.0547	0.37896	0.422977	0.895937	0.370286	0.826225	ENSMUSG0 Blnk
ENSMUSG0	805.9722	-0.12446	0.138921	-0.89593	0.370289	0.826225	ENSMUSG0 Slc31a1

ENSMUSG0	317.7628	0.444351	0.496075	0.895733	0.370396	0.826272	ENSMUSG0 Mgst1
ENSMUSG0	1710.268	0.138083	0.154169	0.89566	0.370434	0.826272	ENSMUSG0 Maea
ENSMUSG0	15.04181	-0.60423	0.674693	-0.89556	0.370485	0.826272	ENSMUSG0B230319C0
ENSMUSG0	1898.448	-0.15801	0.176438	-0.89553	0.370503	0.826272	ENSMUSG0 Rab8a
ENSMUSG0	413.8772	-0.20953	0.233993	-0.89546	0.37054	0.826272	ENSMUSG0 Scml4
ENSMUSG0	14.80318	0.761965	0.850969	0.89541	0.370568	0.826272	ENSMUSG0 Adamts14
ENSMUSG0	296.138	0.273483	0.305525	0.895124	0.370721	0.826517	ENSMUSG0 Fzd4
ENSMUSG0	14.2915	-0.61053	0.68219	-0.89495	0.370814	0.826563	ENSMUSG0 Pdcd1lg2
ENSMUSG0	23.3725	-0.34045	0.380426	-0.89492	0.370827	0.826563	ENSMUSG0 Gm32926
ENSMUSG0	1281.366	-0.15205	0.169923	-0.89484	0.370871	0.826565	ENSMUSG0 Polr2e
ENSMUSG0	4.99812	0.739963	0.827268	0.894466	0.371072	0.826845	ENSMUSG0 Gm15328
ENSMUSG0	464.4472	0.215317	0.240763	0.894312	0.371155	0.826845	ENSMUSG0 Ddx10
ENSMUSG0	17.10487	-0.41183	0.460506	-0.89429	0.371165	0.826845	ENSMUSG0 Gm37174
ENSMUSG0	5.990496	-1.27153	1.421833	-0.89429	0.371169	0.826845	ENSMUSG0 Vwce
ENSMUSG0	96.05143	0.796466	0.890835	0.894067	0.371286	0.82701	ENSMUSG0 Gm1966
ENSMUSG0	10.86509	-0.43212	0.483381	-0.89395	0.37135	0.827026	ENSMUSG0 Gm9812
ENSMUSG0	5232.015	-0.35478	0.396894	-0.89389	0.371379	0.827026	ENSMUSG0 Chd9
ENSMUSG0	4.299525	0.905719	1.013504	0.893651	0.371508	0.827093	ENSMUSG0 Gm10521
ENSMUSG0	16.94537	0.381483	0.426895	0.893624	0.371523	0.827093	ENSMUSG0 Zscan30
ENSMUSG0	1635.393	-0.19076	0.213478	-0.89359	0.371539	0.827093	ENSMUSG0 Eif2b5
ENSMUSG0	12.14324	-0.50396	0.564068	-0.89344	0.371622	0.827093	ENSMUSG0 Gm16580
ENSMUSG0	8.706255	0.765028	0.856278	0.893435	0.371624	0.827093	ENSMUSG0 Gm11266
ENSMUSG0	1664.037	-0.15108	0.169128	-0.89328	0.371709	0.827185	ENSMUSG0 Fam114a1
ENSMUSG0	4.033228	1.175103	1.315856	0.893033	0.371839	0.82738	ENSMUSG0A430088P1
ENSMUSG0	2213.333	-0.14101	0.157927	-0.89287	0.371925	0.827405	ENSMUSG0 Kras
ENSMUSG0	39.95641	-0.29821	0.334063	-0.89267	0.372033	0.827405	ENSMUSG0 Slc26a8
ENSMUSG0	4.237406	0.823144	0.922148	0.892637	0.372051	0.827405	ENSMUSG0 Ccnjl
ENSMUSG0	316.2779	0.190947	0.213926	0.892586	0.372079	0.827405	ENSMUSG0 Nagpa
ENSMUSG0	50.16707	-0.3014	0.337707	-0.8925	0.372125	0.827405	ENSMUSG0 Lhx1os
ENSMUSG0	187.8208	0.263264	0.295002	0.892414	0.372171	0.827405	ENSMUSG0 Acer3
ENSMUSG0	12.13977	0.432053	0.48414	0.892413	0.372172	0.827405	ENSMUSG0 Psd2
ENSMUSG0	548.3733	-0.11953	0.133953	-0.89234	0.372208	0.827405	ENSMUSG0 Eil
ENSMUSG0	458.2218	-0.20005	0.224238	-0.89212	0.372329	0.827405	ENSMUSG0 Cdk5rap2
ENSMUSG0	60.67919	0.247512	0.277449	0.892098	0.372341	0.827405	ENSMUSG0 Bcl2l12
ENSMUSG0	279.9888	0.179985	0.201772	0.89202	0.372382	0.827405	ENSMUSG0 Gm46430
ENSMUSG0	235.0563	0.174512	0.195639	0.892009	0.372388	0.827405	ENSMUSG0 Ogg1
ENSMUSG0	854.6503	0.163068	0.182818	0.891969	0.37241	0.827405	ENSMUSG0 Tmem51
ENSMUSG0	350.6873	-0.16175	0.181367	-0.89182	0.372489	0.827413	ENSMUSG0 Rgs7bp
ENSMUSG0	672.872	-0.27067	0.303565	-0.89163	0.372592	0.827413	ENSMUSG0 Nudt7
ENSMUSG0	50.03615	0.266021	0.298367	0.891589	0.372613	0.827413	ENSMUSG0 Gm50462
ENSMUSG0	545.8077	-0.13439	0.150744	-0.89152	0.372652	0.827413	ENSMUSG0 Nubp1
ENSMUSG0	264.4582	0.19391	0.217511	0.891495	0.372663	0.827413	ENSMUSG0 Mex3d
ENSMUSG0	761.4229	0.300535	0.337134	0.891442	0.372692	0.827413	ENSMUSG0 Fbf1
ENSMUSG0	55.62405	-0.44807	0.502666	-0.89139	0.372721	0.827413	ENSMUSG01700120C1
ENSMUSG0	32.65218	-0.31711	0.355781	-0.8913	0.372769	0.827413	ENSMUSG0 Zfp599
ENSMUSG0	2139.656	-0.17342	0.194605	-0.89112	0.372866	0.827413	ENSMUSG0 Stx5a
ENSMUSG0	4.958246	-0.64342	0.722068	-0.89108	0.372889	0.827413	ENSMUSG0 Kcnj5
ENSMUSG0	58.81751	-0.35817	0.402067	-0.89083	0.373022	0.827413	ENSMUSG0 Ubtd2
ENSMUSG0	320.1245	-0.2707	0.303877	-0.89083	0.373023	0.827413	ENSMUSG02210418O1
ENSMUSG0	217.2326	0.277043	0.310998	0.890818	0.373027	0.827413	ENSMUSG04933431E2
ENSMUSG0	8.125524	-1.16388	1.306603	-0.89077	0.373052	0.827413	ENSMUSG0 Smim31
ENSMUSG0	27.98613	-0.71506	0.802757	-0.89076	0.373058	0.827413	ENSMUSG0 Gm42937

ENSMUSG0	854.6955	0.242702	0.272562	0.890447	0.373226	0.82769	ENSMUSG0 Map3k1
ENSMUSG0	15.87567	-0.52426	0.58899	-0.8901	0.373414	0.82801	ENSMUSG0 Gm16196
ENSMUSG0	200.993	0.256027	0.287745	0.88977	0.37359	0.828115	ENSMUSG0 Pcdha11
ENSMUSG0	1275.207	-0.15861	0.178264	-0.88976	0.373597	0.828115	ENSMUSG0 N4bp2l2
ENSMUSG0	199.3279	0.359118	0.403656	0.889662	0.373647	0.828115	ENSMUSG0 Ephb6
ENSMUSG0	246.9951	-0.1672	0.187965	-0.88954	0.373714	0.828115	ENSMUSG0 Zfp874a
ENSMUSG0	1202.568	-0.25812	0.290203	-0.88945	0.373761	0.828115	ENSMUSG0 Mlxip
ENSMUSG0	40.40054	-0.5164	0.580628	-0.88937	0.373802	0.828115	ENSMUSG0 Nxpe2
ENSMUSG0	44.69015	-0.26908	0.302588	-0.88927	0.37386	0.828115	ENSMUSG0 C330013E1
ENSMUSG0	604.5779	-0.09817	0.110406	-0.88918	0.373905	0.828115	ENSMUSG0 Foxred1
ENSMUSG0	270.4898	0.457488	0.514537	0.889125	0.373936	0.828115	ENSMUSG0 Irf5
ENSMUSG0	680.0005	0.322228	0.362414	0.889114	0.373942	0.828115	ENSMUSG0 Mpdz
ENSMUSG0	795.7457	-0.17046	0.191721	-0.88911	0.373945	0.828115	ENSMUSG0 Nup62
ENSMUSG0	769.9453	-0.17612	0.198095	-0.88905	0.373978	0.828115	ENSMUSG0 Plekha3
ENSMUSG0	947.9737	-0.23378	0.263054	-0.88871	0.37416	0.828231	ENSMUSG0 Fbxo31
ENSMUSG0	2252.878	-0.15895	0.178858	-0.88867	0.374179	0.828231	ENSMUSG0 Rsrc2
ENSMUSG0	3.497217	0.7096	0.798588	0.888568	0.374235	0.828231	ENSMUSG0 Gm48132
ENSMUSG0	299.4529	-0.23184	0.260911	-0.88857	0.374236	0.828231	ENSMUSG0 Ccdc66
ENSMUSG0	559.2379	-0.1269	0.142839	-0.8884	0.374325	0.828231	ENSMUSG0 Rnf170
ENSMUSG0	625.2626	-0.18154	0.204353	-0.88837	0.374341	0.828231	ENSMUSG0 Zfp362
ENSMUSG0	824.5461	-0.11921	0.134215	-0.8882	0.374431	0.828231	ENSMUSG0 Pex11b
ENSMUSG0	63.69212	-1.05748	1.190591	-0.8882	0.374433	0.828231	ENSMUSG0 Ifi27l2b
ENSMUSG0	503.8037	0.457634	0.515249	0.88818	0.374444	0.828231	ENSMUSG0 C1s1
ENSMUSG0	602.9086	-0.15455	0.174014	-0.88815	0.374461	0.828231	ENSMUSG0 Washc4
ENSMUSG0	6.222278	0.628099	0.707335	0.887978	0.374552	0.828339	ENSMUSG0 Dkk1
ENSMUSG0	2029.151	-0.16119	0.181541	-0.88788	0.374604	0.828356	ENSMUSG0 Foxp1
ENSMUSG0	708.6266	-0.23421	0.263838	-0.8877	0.3747	0.828419	ENSMUSG0 Vps54
ENSMUSG0	958.9975	-0.26587	0.299527	-0.88765	0.37473	0.828419	ENSMUSG0 Ndufb6
ENSMUSG0	14.43184	-0.45401	0.511508	-0.88759	0.374761	0.828419	ENSMUSG0 9230117E0
ENSMUSG0	80.27306	0.349076	0.393322	0.887507	0.374806	0.828424	ENSMUSG0 Cpne2
ENSMUSG0	6.752859	-0.50755	0.572074	-0.88721	0.374968	0.828553	ENSMUSG0 Tnfsf13os
ENSMUSG0	353.7455	0.218551	0.246365	0.887104	0.375023	0.828553	ENSMUSG0 Rpa2
ENSMUSG0	6068.876	0.190133	0.214335	0.887083	0.375034	0.828553	ENSMUSG0 Aamp
ENSMUSG0	8.042621	0.821782	0.926462	0.887012	0.375073	0.828553	ENSMUSG0 Sele
ENSMUSG0	406.1665	-0.29757	0.335486	-0.88699	0.375086	0.828553	ENSMUSG0 Snhg15
ENSMUSG0	351.4204	0.193158	0.217785	0.886918	0.375123	0.828553	ENSMUSG0 Dis3
ENSMUSG0	116.5463	-0.27293	0.307864	-0.88652	0.375336	0.828717	ENSMUSG0 Piezo2
ENSMUSG0	4495.719	-0.28025	0.316145	-0.88645	0.375374	0.828717	ENSMUSG0 Ufc1
ENSMUSG0	425.722	-0.23226	0.262013	-0.88645	0.375378	0.828717	ENSMUSG0 Zfp839
ENSMUSG0	106.063	0.251479	0.283709	0.886398	0.375403	0.828717	ENSMUSG0 Gm16638
ENSMUSG0	758.1907	0.456955	0.51555	0.886344	0.375432	0.828717	ENSMUSG0 Hvcn1
ENSMUSG0	224.5576	-0.15227	0.17182	-0.88622	0.375497	0.828717	ENSMUSG0 Poli
ENSMUSG0	1062.815	-0.20244	0.228431	-0.8862	0.375509	0.828717	ENSMUSG0 Farsb
ENSMUSG0	2629.435	0.186551	0.210532	0.886096	0.375566	0.828717	ENSMUSG0 Rcn2
ENSMUSG0	931.3502	-0.12593	0.142126	-0.88606	0.375585	0.828717	ENSMUSG0 Mllt10
ENSMUSG0	20.79615	-0.49079	0.554016	-0.88588	0.375683	0.828834	ENSMUSG0 Gm37677
ENSMUSG0	975.4245	-0.25697	0.290102	-0.8858	0.375724	0.828834	ENSMUSG0 Tsc1
ENSMUSG0	1497.446	-0.32253	0.364153	-0.88571	0.375775	0.828851	ENSMUSG0 Tbca
ENSMUSG0	390.1786	-0.12621	0.142537	-0.88548	0.375897	0.829026	ENSMUSG0 B4galt7
ENSMUSG0	948.0616	0.187553	0.211866	0.885244	0.376025	0.82913	ENSMUSG0 Stag1
ENSMUSG0	588.677	0.159065	0.179687	0.885233	0.376031	0.82913	ENSMUSG0 Mov10
ENSMUSG0	574.6104	-0.11003	0.124309	-0.88512	0.376091	0.829169	ENSMUSG0 Bcl10

ENSMUSG0	1878.234	-0.19266	0.217736	-0.88482	0.376251	0.829276	ENSMUSG0	Thoc2
ENSMUSG0	147.3255	-0.22177	0.250637	-0.88481	0.376259	0.829276	ENSMUSG0	Tbc1d31
ENSMUSG0	13.32535	-0.8417	0.951313	-0.88478	0.376276	0.829276	ENSMUSG0	Cidec
ENSMUSG0	5.334144	0.765088	0.864795	0.884705	0.376316	0.829276	ENSMUSG0	Hsd17b14
ENSMUSG0	1740.718	0.142878	0.161543	0.884457	0.37645	0.829276	ENSMUSG0	Qars
ENSMUSG0	13.81384	-0.53827	0.608667	-0.88435	0.376507	0.829276	ENSMUSG0	Odf3b
ENSMUSG0	1153.983	-0.11819	0.133648	-0.88432	0.376525	0.829276	ENSMUSG0	Rsph3b
ENSMUSG0	30.01104	0.529176	0.598415	0.884296	0.376536	0.829276	ENSMUSG0	Hk3
ENSMUSG0	1627.261	-0.19251	0.217716	-0.8842	0.376586	0.829276	ENSMUSG0	Pcif1
ENSMUSG0	2985.054	0.239287	0.27066	0.884086	0.37665	0.829276	ENSMUSG0	Klf6
ENSMUSG0	20.83717	0.314528	0.355786	0.884037	0.376676	0.829276	ENSMUSG0	Slc26a1
ENSMUSG0	1278.514	-0.09489	0.107344	-0.884	0.376697	0.829276	ENSMUSG0	Gpr107
ENSMUSG0	229.6512	-0.24874	0.281384	-0.88399	0.376701	0.829276	ENSMUSG0	Pycard
ENSMUSG0	35.8926	0.367268	0.415625	0.883652	0.376884	0.829566	ENSMUSG0	Aspa
ENSMUSG0	40.45379	-0.33146	0.375135	-0.88359	0.376919	0.829566	ENSMUSG0	Prr11
ENSMUSG0	330.557	0.154477	0.174874	0.883364	0.37704	0.829738	ENSMUSG0	Armxc6
ENSMUSG0	164.5047	0.25282	0.286295	0.883075	0.377196	0.82982	ENSMUSG0	Nudt12
ENSMUSG0	505.3394	-0.21573	0.244301	-0.88306	0.377203	0.82982	ENSMUSG0	Ap5m1
ENSMUSG0	995.4545	-0.14024	0.158821	-0.88303	0.377222	0.82982	ENSMUSG0	Pskh1
ENSMUSG0	5.778117	0.557636	0.631563	0.882946	0.377266	0.82982	ENSMUSG0	Tmem91
ENSMUSG0	759.8433	-0.26205	0.296819	-0.88285	0.377316	0.82982	ENSMUSG0	Supt4a
ENSMUSG0	65.18418	0.258866	0.293228	0.882816	0.377336	0.82982	ENSMUSG0	Gm11175
ENSMUSG0	3.048332	1.238618	1.403552	0.882489	0.377513	0.829968	ENSMUSG0	Gm4544
ENSMUSG0	5.511969	0.721604	0.817752	0.882424	0.377548	0.829968	ENSMUSG0	Scrt2
ENSMUSG0	8.450526	-0.56744	0.643061	-0.88241	0.377556	0.829968	ENSMUSG0	Spx
ENSMUSG0	2475.481	-0.24435	0.276923	-0.88237	0.377578	0.829968	ENSMUSG0	Golim4
ENSMUSG0	1625.158	-0.19675	0.22301	-0.88223	0.377654	0.829968	ENSMUSG0	Tm9sf4
ENSMUSG0	112.9852	0.353109	0.400254	0.882212	0.377662	0.829968	ENSMUSG0	Tpx2
ENSMUSG0	10.10632	-0.59185	0.670972	-0.88207	0.377738	0.829982	ENSMUSG0	Gm43637
ENSMUSG0	44.25727	0.366324	0.415314	0.882041	0.377755	0.829982	ENSMUSG0	Aspm
ENSMUSG0	1482.022	0.157205	0.178274	0.881818	0.377875	0.830072	ENSMUSG0	Vps41
ENSMUSG0	24.37814	-0.53327	0.604755	-0.8818	0.377883	0.830072	ENSMUSG0	Acta1
ENSMUSG0	811.8885	0.198851	0.225531	0.881703	0.377937	0.830072	ENSMUSG0	Erf
ENSMUSG0	38.19581	-0.38959	0.441891	-0.88165	0.377968	0.830072	ENSMUSG0	Proscos
ENSMUSG0	11.95073	-0.59548	0.675491	-0.88155	0.378019	0.830088	ENSMUSG0	Hspa1l
ENSMUSG0	868.252	-0.18316	0.207944	-0.88084	0.378407	0.830694	ENSMUSG0	Cdr2
ENSMUSG0	11.75885	-0.55337	0.62826	-0.8808	0.378424	0.830694	ENSMUSG0	Gm37370
ENSMUSG0	266.3918	0.230908	0.262167	0.880767	0.378444	0.830694	ENSMUSG0	Ica1l
ENSMUSG0	223.9042	-0.19038	0.216168	-0.88072	0.378467	0.830694	ENSMUSG0	Dctpp1
ENSMUSG0	19.82543	0.412627	0.468575	0.8806	0.378534	0.830745	ENSMUSG0	4930405A2
ENSMUSG0	189.7321	0.39343	0.446868	0.880417	0.378633	0.830822	ENSMUSG0	Slco2b1
ENSMUSG0	139.6391	0.339625	0.385772	0.880377	0.378655	0.830822	ENSMUSG0	Pcp4
ENSMUSG0	7.718444	-0.82963	0.942453	-0.88029	0.378702	0.830829	ENSMUSG0	Fendrr
ENSMUSG0	372.8877	0.225958	0.256747	0.880081	0.378816	0.830896	ENSMUSG0	Fzd6
ENSMUSG0	147.9716	0.855252	0.971794	0.880075	0.378819	0.830896	ENSMUSG0	Ms4a6b
ENSMUSG0	344.1139	-0.16123	0.183269	-0.87975	0.378996	0.831189	ENSMUSG0	Rft1
ENSMUSG0	6.36591	-0.80338	0.913454	-0.8795	0.379131	0.831349	ENSMUSG0	Gm47615
ENSMUSG0	194.232	0.337111	0.383318	0.879454	0.379155	0.831349	ENSMUSG0	Peak1
ENSMUSG0	303.122	-0.16598	0.188782	-0.87922	0.379282	0.831418	ENSMUSG0	D11Wsu47i
ENSMUSG0	758.92	0.135737	0.154393	0.879169	0.37931	0.831418	ENSMUSG0	Ttpal
ENSMUSG0	346.9754	0.199415	0.226837	0.879109	0.379342	0.831418	ENSMUSG0	Btbd8
ENSMUSG0	11.3933	0.534106	0.607628	0.879002	0.3794	0.831418	ENSMUSG0	Gm18227

ENSMUSG0	4.161494	-0.73174	0.832512	-0.87895	0.379426	0.831418	ENSMUSG0	Gm11934
ENSMUSG0	334.9802	-0.27273	0.310298	-0.87892	0.379447	0.831418	ENSMUSG0	Csrp2
ENSMUSG0	1081.221	-0.08658	0.098533	-0.87871	0.379557	0.831418	ENSMUSG0	Kansl2
ENSMUSG0	1500.989	0.180313	0.205226	0.878604	0.379616	0.831418	ENSMUSG0	Cds1
ENSMUSG0	166.1394	0.346215	0.394068	0.878567	0.379636	0.831418	ENSMUSG0	Kcnq4
ENSMUSG0	142.7022	0.302434	0.344248	0.878537	0.379652	0.831418	ENSMUSG0	Cdt1
ENSMUSG0	658.125	-0.10562	0.120224	-0.87852	0.379662	0.831418	ENSMUSG0	Nipa2
ENSMUSG0	189.5716	-0.24778	0.282106	-0.87833	0.379762	0.831543	ENSMUSG0	Timm8a1
ENSMUSG0	3355.463	0.280857	0.319845	0.878102	0.379888	0.831563	ENSMUSG0	Prdx5
ENSMUSG0	114.3481	-0.18739	0.213414	-0.87807	0.379903	0.831563	ENSMUSG0	Hnmt
ENSMUSG0	3.478447	-0.88956	1.013116	-0.87804	0.379922	0.831563	ENSMUSG0	P2rx5
ENSMUSG0	1901.373	-0.23878	0.271964	-0.87799	0.37995	0.831563	ENSMUSG0	Srek1
ENSMUSG0	48.7114	-0.23849	0.271654	-0.87792	0.379987	0.831563	ENSMUSG0	Gm11110
ENSMUSG0	2689.478	-0.27633	0.314805	-0.87779	0.380055	0.831616	ENSMUSG0	Suc1g1
ENSMUSG0	1516.324	0.162449	0.185113	0.877569	0.380178	0.831744	ENSMUSG0	Sesn2
ENSMUSG0	23.25519	0.491055	0.559665	0.87741	0.380264	0.831744	ENSMUSG0	Mpp4
ENSMUSG0	1712.787	-0.17774	0.202574	-0.8774	0.380269	0.831744	ENSMUSG0	Naxe
ENSMUSG0	1244.586	0.174909	0.199357	0.877369	0.380286	0.831744	ENSMUSG0	Ttc30b
ENSMUSG0	361.11	-0.18062	0.205899	-0.87724	0.380355	0.831787	ENSMUSG0	Dnajc4
ENSMUSG0	8.214193	0.654304	0.745923	0.877173	0.380392	0.831787	ENSMUSG0	Ccdc158
ENSMUSG0	333.9602	-0.21853	0.249221	-0.87685	0.38057	0.831986	ENSMUSG0	Mrpl39
ENSMUSG0	1260.901	-0.2103	0.23984	-0.87685	0.38057	0.831986	ENSMUSG0	Ift81
ENSMUSG0	17.05953	0.435264	0.496449	0.876755	0.38062	0.832001	ENSMUSG0	Gulo
ENSMUSG0	561.802	-0.20367	0.232341	-0.87659	0.380708	0.832099	ENSMUSG0	Taf4
ENSMUSG0	8.85454	0.841395	0.960044	0.876414	0.380805	0.832108	ENSMUSG0	Il1rl1
ENSMUSG0	1512.087	-0.1317	0.150306	-0.87621	0.380916	0.832108	ENSMUSG0	Tial1
ENSMUSG0	69.99316	0.455141	0.519524	0.876073	0.38099	0.832108	ENSMUSG0	A830082NC
ENSMUSG0	342.7364	-0.26516	0.302668	-0.87606	0.380995	0.832108	ENSMUSG0	Amer2
ENSMUSG0	8.037033	-0.6816	0.778105	-0.87597	0.381045	0.832108	ENSMUSG0	Gm37606
ENSMUSG0	1250.486	-0.21468	0.245078	-0.87596	0.381053	0.832108	ENSMUSG0	Glt8d1
ENSMUSG0	396.5921	-0.21323	0.243425	-0.87595	0.381056	0.832108	ENSMUSG0	Ptpn12
ENSMUSG0	797.0088	-0.18384	0.209893	-0.87588	0.381096	0.832108	ENSMUSG0	Sf3a2
ENSMUSG0	18.98284	0.466526	0.532644	0.875868	0.381102	0.832108	ENSMUSG0	Gm10549
ENSMUSG0	504.0714	-0.12319	0.140667	-0.87576	0.38116	0.83214	ENSMUSG0	Tmem68
ENSMUSG0	9.918996	0.481746	0.550173	0.875625	0.381234	0.832207	ENSMUSG0	Wfdc3
ENSMUSG0	997.8221	-0.15398	0.175877	-0.87548	0.381312	0.832263	ENSMUSG0	Syp1
ENSMUSG0	1934.027	-0.25867	0.295485	-0.8754	0.381356	0.832263	ENSMUSG0	Fndc3b
ENSMUSG0	762.7762	-0.18664	0.213242	-0.87525	0.381435	0.832263	ENSMUSG0	Mrpl3
ENSMUSG0	926.6679	-0.14474	0.165398	-0.8751	0.381517	0.832263	ENSMUSG0	Dnajc11
ENSMUSG0	7.090744	0.51668	0.590428	0.875094	0.381523	0.832263	ENSMUSG0	Kbtbd6
ENSMUSG0	57.84736	0.455362	0.52038	0.875058	0.381542	0.832263	ENSMUSG0	Eya2
ENSMUSG0	59.73125	0.339339	0.387817	0.874998	0.381575	0.832263	ENSMUSG0	Ecm2
ENSMUSG0	280.6134	-0.14955	0.17094	-0.87487	0.381647	0.832263	ENSMUSG0	Zfp174
ENSMUSG0	5.215841	0.65322	0.746655	0.874863	0.381649	0.832263	ENSMUSG0	D83002611
ENSMUSG0	1703.903	0.225913	0.258261	0.874744	0.381713	0.83231	ENSMUSG0	Acadslb
ENSMUSG0	19.33896	-0.48949	0.559793	-0.87441	0.381893	0.832561	ENSMUSG0	Gm42685
ENSMUSG0	19.40193	0.523435	0.598642	0.874372	0.381916	0.832561	ENSMUSG0	Hectd2os
ENSMUSG0	6.122934	0.52299	0.598229	0.874229	0.381994	0.832561	ENSMUSG0	Kcnmb4os2
ENSMUSG0	123.333	0.22085	0.252655	0.874117	0.382055	0.832561	ENSMUSG0	Tmem125
ENSMUSG0	667.9335	0.181919	0.20813	0.874063	0.382084	0.832561	ENSMUSG0	Zbtb18
ENSMUSG0	207.8685	-0.20155	0.230599	-0.87404	0.382099	0.832561	ENSMUSG0	Cspg5
ENSMUSG0	667.6353	-0.19016	0.217578	-0.87398	0.382131	0.832561	ENSMUSG0	Rhbdd3

ENSMUSG0	14.14025	0.553836	0.633768	0.873877	0.382185	0.832583	ENSMUSG0 Cd300ld
ENSMUSG0	1037.884	-0.13249	0.151626	-0.8738	0.382228	0.832583	ENSMUSG0 Psmf1
ENSMUSG0	2145.214	-0.16933	0.193808	-0.87367	0.382295	0.832635	ENSMUSG0 Mast3
ENSMUSG0	327.4009	-0.22221	0.254371	-0.87358	0.382348	0.832655	ENSMUSG0 Nqo2
ENSMUSG0	21.66295	-0.28448	0.325733	-0.87336	0.382465	0.832793	ENSMUSG0 Pfkfb1
ENSMUSG0	461.6221	-0.19043	0.218079	-0.87322	0.382541	0.832793	ENSMUSG0 Timm22
ENSMUSG0	714.9185	-0.20285	0.232397	-0.87286	0.382741	0.833133	ENSMUSG0 Ccdc191
ENSMUSG0	17.23671	-0.53648	0.614771	-0.87264	0.382857	0.833171	ENSMUSG0953008001
ENSMUSG0	13.8447	-0.55887	0.6405	-0.87255	0.382906	0.833171	ENSMUSG0 Nupl1
ENSMUSG0	543.1072	0.233072	0.267131	0.872502	0.382935	0.833171	ENSMUSG0 Ubac1
ENSMUSG0	1880.279	0.145484	0.166761	0.872407	0.382986	0.833171	ENSMUSG0 Rapgef1
ENSMUSG0	7.158608	0.703289	0.806199	0.872352	0.383016	0.833171	ENSMUSG0 Zpld1
ENSMUSG0	1198.28	-0.21991	0.252106	-0.87229	0.38305	0.833171	ENSMUSG0 Dnajc21
ENSMUSG0	197.7701	-0.22431	0.257167	-0.87225	0.383071	0.833171	ENSMUSG0 Tstd3
ENSMUSG0	86.68397	-0.36616	0.41983	-0.87217	0.383115	0.833171	ENSMUSG0 Tfab4
ENSMUSG0	9.115618	0.615881	0.706227	0.872072	0.383169	0.833171	ENSMUSG0 Nox4
ENSMUSG0	518.0293	-0.24371	0.279476	-0.87201	0.383205	0.833171	ENSMUSG0 Mrpl55
ENSMUSG0	43.11818	0.308303	0.35358	0.871949	0.383236	0.833171	ENSMUSG0 Erich5
ENSMUSG0	682.7501	0.281749	0.323174	0.871818	0.383308	0.833171	ENSMUSG0 Osbpl8
ENSMUSG0	839.2117	-0.18808	0.215739	-0.87179	0.383321	0.833171	ENSMUSG0 Hltf
ENSMUSG0	11.95546	0.467333	0.536314	0.87138	0.383547	0.833542	ENSMUSG0 Gm6345
ENSMUSG0	383.1206	-0.23696	0.271981	-0.87125	0.383618	0.833542	ENSMUSG0 St6galnac5
ENSMUSG0	43.32917	0.322103	0.369705	0.871242	0.383622	0.833542	ENSMUSG0 Shcbp1
ENSMUSG0	294.9323	-0.16189	0.185851	-0.87107	0.383715	0.833651	ENSMUSG02700049A0
ENSMUSG0	287.0013	-0.15173	0.174207	-0.87099	0.383761	0.833654	ENSMUSG0 Gm21988
ENSMUSG0	307.7936	0.250322	0.287426	0.87091	0.383803	0.833654	ENSMUSG0 Ccl27a
ENSMUSG0	2226.306	-0.15706	0.180376	-0.87073	0.383902	0.833709	ENSMUSG0 Zmynd8
ENSMUSG0	1489.534	-0.17327	0.199023	-0.87058	0.383982	0.833709	ENSMUSG0 Amz2
ENSMUSG0	635.6458	0.172357	0.197985	0.870555	0.383997	0.833709	ENSMUSG0 Tti1
ENSMUSG0	612.5461	0.204219	0.234587	0.870546	0.384002	0.833709	ENSMUSG0 Mmrn2
ENSMUSG0	3209.351	0.189575	0.217816	0.870345	0.384112	0.833782	ENSMUSG0 Tbl1x
ENSMUSG0	135.9545	0.544861	0.626043	0.870326	0.384122	0.833782	ENSMUSG0 Lcp2
ENSMUSG0	198.7201	-0.17023	0.195641	-0.8701	0.384248	0.833845	ENSMUSG0 Ankrd49
ENSMUSG0	1283.047	0.199423	0.229198	0.870092	0.38425	0.833845	ENSMUSG0 Fbxo11
ENSMUSG0	41.5985	-0.39687	0.456243	-0.86987	0.384372	0.833845	ENSMUSG0 Gm20633
ENSMUSG0	39856.72	-0.11996	0.137918	-0.8698	0.384408	0.833845	ENSMUSG0 Psap
ENSMUSG0	27.4906	0.296099	0.340518	0.869553	0.384545	0.833845	ENSMUSG0 Efcab12
ENSMUSG0	522.4456	0.180819	0.207989	0.869369	0.384645	0.833845	ENSMUSG0 Ppie
ENSMUSG0	94.36059	-0.3664	0.421518	-0.86923	0.384722	0.833845	ENSMUSG0 Itih2
ENSMUSG0	156.7561	0.381615	0.439045	0.869194	0.384741	0.833845	ENSMUSG0 Rhof
ENSMUSG0	10.15162	-0.70924	0.815972	-0.86919	0.384743	0.833845	ENSMUSG0 Gm37517
ENSMUSG0	15.11845	0.440342	0.50665	0.869124	0.384779	0.833845	ENSMUSG0 Gm47155
ENSMUSG0	3.157426	0.924977	1.06432	0.869078	0.384805	0.833845	ENSMUSG0 Gm19784
ENSMUSG0	312.5163	-0.19062	0.219407	-0.86881	0.38495	0.833845	ENSMUSG0 Amacr
ENSMUSG0	1013.125	0.166082	0.191164	0.868791	0.384962	0.833845	ENSMUSG0 Ubap1
ENSMUSG0	1057.797	-0.19519	0.224675	-0.86877	0.384972	0.833845	ENSMUSG0 Timm17a
ENSMUSG0	7.760412	-0.52489	0.604213	-0.86871	0.385004	0.833845	ENSMUSG0 Gm15423
ENSMUSG0	23.42771	0.526743	0.606407	0.86863	0.385049	0.833845	ENSMUSG0 Fap
ENSMUSG0	23.23381	0.505241	0.581718	0.868532	0.385103	0.833845	ENSMUSG0 Troap
ENSMUSG0	188.0627	-0.2097	0.241479	-0.86841	0.385172	0.833845	ENSMUSG05430405H0
ENSMUSG0	4235.703	-0.21977	0.253076	-0.8684	0.385178	0.833845	ENSMUSG0 Pcbp1
ENSMUSG0	38.59694	-0.29018	0.334178	-0.86833	0.385216	0.833845	ENSMUSG0 Stamos

ENSMUSG0	1447.077	-0.13402	0.154345	-0.86831	0.385226	0.833845	ENSMUSG0 Tex264
ENSMUSG0	86.69944	0.316024	0.364026	0.868134	0.385321	0.833845	ENSMUSG0 Atp6v1g2
ENSMUSG0	24.68008	0.309009	0.355956	0.868112	0.385333	0.833845	ENSMUSG0 Zfp493
ENSMUSG0	674.4286	-0.17742	0.20438	-0.86811	0.385337	0.833845	ENSMUSG0 Fam98c
ENSMUSG0	383.0834	0.191912	0.221073	0.868095	0.385342	0.833845	ENSMUSG0 Nat14
ENSMUSG0	1833.024	-0.22074	0.25429	-0.86807	0.385357	0.833845	ENSMUSG0 Zfp638
ENSMUSG0	36320.99	0.226176	0.260572	0.867999	0.385395	0.833845	ENSMUSG0 Hsp90b1
ENSMUSG0	8.541926	0.55961	0.644722	0.867986	0.385402	0.833845	ENSMUSG0 P4ha3
ENSMUSG0	82.19955	0.284427	0.32769	0.867974	0.385408	0.833845	ENSMUSG0 B230377A1
ENSMUSG0	99.5383	0.42124	0.485528	0.86759	0.385619	0.834206	ENSMUSG0 Nfam1
ENSMUSG0	60.37281	-0.2514	0.289807	-0.86747	0.385683	0.834251	ENSMUSG0 Rftn2
ENSMUSG0	6.835078	-0.64631	0.745147	-0.86736	0.385747	0.834295	ENSMUSG0 2410080I02
ENSMUSG0	6840.702	-0.18516	0.213509	-0.86721	0.385829	0.834337	ENSMUSG0 Dnajc3
ENSMUSG0	16.1927	0.563136	0.649432	0.867121	0.385876	0.834337	ENSMUSG0 Il12rb1
ENSMUSG0	185.9355	0.445656	0.513971	0.867084	0.385896	0.834337	ENSMUSG0 Spon1
ENSMUSG0	80.04303	-0.23118	0.266665	-0.86694	0.385973	0.834397	ENSMUSG0 Rnls
ENSMUSG0	2573.792	-0.11123	0.128308	-0.86687	0.386011	0.834397	ENSMUSG0 Tom1l2
ENSMUSG0	588.5861	0.248129	0.286274	0.866755	0.386076	0.834446	ENSMUSG0 Ube2l6
ENSMUSG0	96.86784	-0.81922	0.94528	-0.86664	0.38614	0.834488	ENSMUSG0 Slc37a2
ENSMUSG0	2806.077	-0.24482	0.282568	-0.86639	0.386274	0.83459	ENSMUSG0 Cnpy2
ENSMUSG0	49.66741	0.345747	0.399071	0.86638	0.386282	0.83459	ENSMUSG0 Nuf2
ENSMUSG0	2589.128	-0.20571	0.237475	-0.86625	0.386354	0.83459	ENSMUSG0 Ube2l3
ENSMUSG0	691.1438	-0.11765	0.135814	-0.86624	0.38636	0.83459	ENSMUSG0 Fntb
ENSMUSG0	15.55399	0.456669	0.527248	0.866137	0.386415	0.834615	ENSMUSG0 Fbxw24
ENSMUSG0	5.822384	0.59619	0.688401	0.866051	0.386462	0.834623	ENSMUSG0 Gm6969
ENSMUSG0	10.71555	-0.523	0.603983	-0.86591	0.386537	0.834689	ENSMUSG0 Gm48079
ENSMUSG0	574.0472	-0.22176	0.256163	-0.8657	0.386657	0.834689	ENSMUSG0 Nfu1
ENSMUSG0	29.57771	0.409518	0.4731	0.865604	0.386707	0.834689	ENSMUSG0 Mastl
ENSMUSG0	258.0415	0.331065	0.382476	0.865585	0.386718	0.834689	ENSMUSG0 1700025G0
ENSMUSG0	1025.239	0.110111	0.127221	0.865514	0.386757	0.834689	ENSMUSG0 Ddhd2
ENSMUSG0	936.1762	-0.17415	0.201224	-0.86546	0.386788	0.834689	ENSMUSG0 Foxk2
ENSMUSG0	769.9341	-0.31736	0.366783	-0.86525	0.386904	0.834689	ENSMUSG0 4930453N2
ENSMUSG0	4.9885	-0.60771	0.702371	-0.86522	0.386916	0.834689	ENSMUSG0 Gm47445
ENSMUSG0	1424.866	0.235999	0.272776	0.865173	0.386944	0.834689	ENSMUSG0 Epas1
ENSMUSG0	646.7561	0.202827	0.234441	0.86515	0.386956	0.834689	ENSMUSG0 Hnf1b
ENSMUSG0	669.7912	0.1259	0.145528	0.865125	0.38697	0.834689	ENSMUSG0 Minpp1
ENSMUSG0	319.4695	-0.15606	0.18041	-0.86501	0.387035	0.834736	ENSMUSG0 Bspry
ENSMUSG0	902.5049	-0.19986	0.23111	-0.86479	0.387151	0.834869	ENSMUSG0 Lgi1
ENSMUSG0	16.32455	-0.45211	0.522825	-0.86474	0.387184	0.834869	ENSMUSG0 Gm37183
ENSMUSG0	1110.188	0.198837	0.229966	0.86464	0.387237	0.834889	ENSMUSG0 Cop1
ENSMUSG0	818.8996	0.190684	0.220586	0.86444	0.387346	0.835032	ENSMUSG0 Gpcpd1
ENSMUSG0	24.41999	-0.58428	0.676016	-0.86429	0.387426	0.835111	ENSMUSG0 Gm10109
ENSMUSG0	8.928627	0.489476	0.566386	0.864208	0.387473	0.835119	ENSMUSG0 Gm47889
ENSMUSG0	1069.911	0.110362	0.127737	0.863982	0.387598	0.835293	ENSMUSG0 Otud6b
ENSMUSG0	16.35973	-0.48598	0.56269	-0.86367	0.387769	0.835555	ENSMUSG0 9530052E0
ENSMUSG0	950.7719	-0.17873	0.207011	-0.86338	0.387927	0.835555	ENSMUSG0 Cbr1
ENSMUSG0	32.53103	0.369611	0.428104	0.863368	0.387935	0.835555	ENSMUSG0 Kif24
ENSMUSG0	10.64693	0.471171	0.545742	0.86336	0.38794	0.835555	ENSMUSG0 4833419F2
ENSMUSG0	857.3953	0.11266	0.130494	0.863335	0.387953	0.835555	ENSMUSG0 Ai837181
ENSMUSG0	7.774543	0.724569	0.839313	0.863287	0.38798	0.835555	ENSMUSG0 Ptger2
ENSMUSG0	1013.722	-0.21898	0.253714	-0.86312	0.388074	0.835664	ENSMUSG0 Rhobtb1
ENSMUSG0	1199.25	-0.11799	0.136726	-0.86298	0.388151	0.835736	ENSMUSG0 Gnaz

ENSMUSG0	368.324	0.288876	0.334809	0.862808	0.388243	0.835841	ENSMUSG0 Cd93
ENSMUSG0	6.674025	-0.57003	0.661004	-0.86237	0.388482	0.836229	ENSMUSG0 Gjd3
ENSMUSG0	1390.227	0.119289	0.138347	0.862244	0.388553	0.836229	ENSMUSG0 Tsc22d4
ENSMUSG0	69.31593	-0.44122	0.511706	-0.86224	0.388553	0.836229	ENSMUSG0 Brca1
ENSMUSG0	15.30915	0.462892	0.536949	0.862078	0.388645	0.836331	ENSMUSG0 Gm20721
ENSMUSG0	402.4525	-0.19949	0.231467	-0.86183	0.38878	0.836529	ENSMUSG0 Yod1
ENSMUSG0	296.9692	-0.40918	0.474905	-0.8616	0.388909	0.836714	ENSMUSG0 Smim27
ENSMUSG0	11.90695	-0.58962	0.684496	-0.8614	0.38902	0.836858	ENSMUSG0 Rho
ENSMUSG0	15.89247	0.451884	0.524644	0.861315	0.389064	0.83686	ENSMUSG0 Gm37941
ENSMUSG0	1091.834	0.272702	0.316648	0.861212	0.389121	0.836865	ENSMUSG0 Clip3
ENSMUSG0	312.6522	0.262191	0.304503	0.861048	0.389212	0.836897	ENSMUSG0 Ercc1
ENSMUSG0	46.1057	0.237381	0.275897	0.860397	0.38957	0.837497	ENSMUSG0 Suv39h2
ENSMUSG0	38.62945	0.529165	0.615034	0.860383	0.389578	0.837497	ENSMUSG0 Bmerb1
ENSMUSG0	10.28958	0.518642	0.602935	0.860195	0.389682	0.837533	ENSMUSG0 Gm44771
ENSMUSG0	270.7731	0.359547	0.418193	0.859764	0.389919	0.837759	ENSMUSG0 Rbm38
ENSMUSG0	1589.12	-0.16374	0.1905	-0.8595	0.390063	0.837759	ENSMUSG0 Phldb2
ENSMUSG0	390.5891	-0.12484	0.145246	-0.85949	0.390068	0.837759	ENSMUSG0 Tec
ENSMUSG0	430.3945	-0.27951	0.325214	-0.85945	0.39009	0.837759	ENSMUSG0 Fn3k
ENSMUSG0	551.2099	0.200387	0.233174	0.859389	0.390126	0.837759	ENSMUSG0 Idi1
ENSMUSG0	9.182716	-0.50993	0.593548	-0.85912	0.390274	0.837759	ENSMUSG0 Spem1
ENSMUSG0	1039.62	-0.13461	0.156705	-0.85903	0.390323	0.837759	ENSMUSG0 Lypla1
ENSMUSG0	33.78147	0.305928	0.356132	0.85903	0.390324	0.837759	ENSMUSG0 Recql4
ENSMUSG0	296.7872	-0.19762	0.230082	-0.8589	0.390398	0.837759	ENSMUSG0 Asf1a
ENSMUSG0	4487.69	-0.182	0.211907	-0.85887	0.39041	0.837759	ENSMUSG0 Copb1
ENSMUSG0	22.7835	0.382962	0.445889	0.858872	0.390411	0.837759	ENSMUSG0 Msx1
ENSMUSG0	2.983715	1.179368	1.373216	0.858836	0.390431	0.837759	ENSMUSG0 A530021J0
ENSMUSG0	660.6998	0.152236	0.177274	0.858762	0.390472	0.837759	ENSMUSG0 Gas2l1
ENSMUSG0	1642.452	-0.18585	0.216425	-0.85874	0.390485	0.837759	ENSMUSG0 Pak4
ENSMUSG0	439.6028	-0.19985	0.232742	-0.85866	0.390531	0.837759	ENSMUSG0 Unc119
ENSMUSG0	514.8686	-0.19524	0.22743	-0.85848	0.390626	0.837759	ENSMUSG0 Exosc3
ENSMUSG0	187.1893	0.19178	0.223399	0.858462	0.390637	0.837759	ENSMUSG0 Gpr137b-ps
ENSMUSG0	1043.58	-0.17835	0.207756	-0.85845	0.390646	0.837759	ENSMUSG0 Ezh1
ENSMUSG0	355.3634	0.288617	0.336213	0.858435	0.390653	0.837759	ENSMUSG0 Rnd2
ENSMUSG0	94.78487	0.323994	0.377546	0.858156	0.390806	0.837983	ENSMUSG0 Erg
ENSMUSG0	4.073018	0.711343	0.82905	0.858022	0.39088	0.838024	ENSMUSG0 4930432B1
ENSMUSG0	223.032	0.42896	0.499974	0.857964	0.390912	0.838024	ENSMUSG0 Icosl
ENSMUSG0	500.1648	0.411769	0.479988	0.857874	0.390962	0.838038	ENSMUSG0 Sp100
ENSMUSG0	123.9433	0.395582	0.461331	0.85748	0.39118	0.83841	ENSMUSG0 Zkscan16
ENSMUSG0	324.8951	-0.26498	0.309104	-0.85726	0.391301	0.838518	ENSMUSG0 Anapc15
ENSMUSG0	719.0333	0.265415	0.309619	0.857231	0.391317	0.838518	ENSMUSG0 Secisbp2l
ENSMUSG0	34.06721	0.2931	0.341957	0.857124	0.391377	0.838552	ENSMUSG0 Gm47484
ENSMUSG0	1670.09	-0.15851	0.184989	-0.85687	0.391515	0.838663	ENSMUSG0 Cul9
ENSMUSG0	1523.034	-0.1261	0.147159	-0.85687	0.391516	0.838663	ENSMUSG0 Tspan15
ENSMUSG0	2773.298	-0.20607	0.240531	-0.85672	0.391602	0.838703	ENSMUSG0 Atp2c1
ENSMUSG0	51.46677	0.34506	0.402788	0.85668	0.391622	0.838703	ENSMUSG0 Gjc1
ENSMUSG0	620.9731	-0.12907	0.15074	-0.85621	0.391881	0.839057	ENSMUSG0 Spire1
ENSMUSG0	27.24269	-0.34504	0.402993	-0.85619	0.391894	0.839057	ENSMUSG0 3110083C1
ENSMUSG0	1451.562	-0.20973	0.244968	-0.85614	0.391918	0.839057	ENSMUSG0 Ncoa1
ENSMUSG0	4094.583	0.097543	0.113957	0.855966	0.392016	0.839067	ENSMUSG0 Cct2
ENSMUSG0	315.1484	-0.14415	0.168465	-0.85568	0.392177	0.839067	ENSMUSG0 Xpnpep3
ENSMUSG0	3.909005	-1.04222	1.218045	-0.85565	0.392192	0.839067	ENSMUSG0 Spo11
ENSMUSG0	7.927482	0.49644	0.580198	0.855639	0.392197	0.839067	ENSMUSG0 Gm42997

ENSMUSG0	887.3588	-0.18672	0.218236	-0.85559	0.392225	0.839067	ENSMUSG0 Mrps17
ENSMUSG0	528.722	-0.30373	0.355034	-0.8555	0.392276	0.839067	ENSMUSG0 Polr2i
ENSMUSG0	5.00434	0.765023	0.894343	0.855402	0.392328	0.839067	ENSMUSG0 Loxl4
ENSMUSG0	17.13473	0.68611	0.802108	0.855384	0.392338	0.839067	ENSMUSG0 Gcsam
ENSMUSG0	772.9625	-0.12307	0.143886	-0.8553	0.392384	0.839067	ENSMUSG0 Trmt1l
ENSMUSG0	34.42832	0.334725	0.391381	0.85524	0.392418	0.839067	ENSMUSG0 Cenpn
ENSMUSG0	4053.483	-0.14437	0.168814	-0.85522	0.392428	0.839067	ENSMUSG0 Abcd3
ENSMUSG0	390.8506	-0.14556	0.170211	-0.85519	0.392446	0.839067	ENSMUSG0 Ippk
ENSMUSG0	11.75072	0.432962	0.506373	0.855026	0.392536	0.839079	ENSMUSG0C130046K2
ENSMUSG0	1509.225	0.184126	0.21537	0.854928	0.392591	0.839079	ENSMUSG0 Ckap5
ENSMUSG0	239.0809	-0.32056	0.374976	-0.85487	0.392621	0.839079	ENSMUSG04930523C0
ENSMUSG0	11.30391	-0.67949	0.794853	-0.85486	0.392626	0.839079	ENSMUSG0 Gm13577
ENSMUSG0	423.8536	0.195202	0.228379	0.854728	0.392702	0.839146	ENSMUSG0 Zfp809
ENSMUSG0	1356.716	-0.19014	0.222479	-0.85464	0.392752	0.839146	ENSMUSG0 Cobll1
ENSMUSG0	237.0959	0.318445	0.372636	0.854572	0.392788	0.839146	ENSMUSG0 Susd2
ENSMUSG0	1068.691	-0.13802	0.161527	-0.85445	0.392856	0.839198	ENSMUSG0 Tgfbrap1
ENSMUSG0	20.79958	0.489279	0.572729	0.854294	0.392942	0.839246	ENSMUSG0 Igkv17-127
ENSMUSG0	6.290031	-0.60709	0.710686	-0.85423	0.392975	0.839246	ENSMUSG0 Foxd2os
ENSMUSG0	14.06853	0.680155	0.796482	0.853949	0.393133	0.839246	ENSMUSG0A630023P1
ENSMUSG0	9.104295	-0.70514	0.825815	-0.85388	0.393173	0.839246	ENSMUSG0 Gm37978
ENSMUSG0	970.7451	0.13406	0.157008	0.853838	0.393195	0.839246	ENSMUSG0 Mtftr1
ENSMUSG0	131.5609	-0.25012	0.292963	-0.85375	0.393245	0.839246	ENSMUSG0 BC051142
ENSMUSG0	1376.401	0.213297	0.249839	0.853739	0.393249	0.839246	ENSMUSG0 Rbfox2
ENSMUSG0	56.33524	0.881321	1.032357	0.853698	0.393272	0.839246	ENSMUSG0 Icos
ENSMUSG0	11.54547	1.071253	1.254915	0.853645	0.393301	0.839246	ENSMUSG0 Gm48422
ENSMUSG0	2836.709	0.091963	0.107749	0.85349	0.393387	0.839246	ENSMUSG0 Hadha
ENSMUSG0	588.1192	-0.17671	0.207061	-0.85344	0.393413	0.839246	ENSMUSG0 Gtf2e2
ENSMUSG0	13.78562	0.452131	0.529782	0.853429	0.393422	0.839246	ENSMUSG0 Trpa1
ENSMUSG0	148.0517	0.214969	0.251902	0.853386	0.393446	0.839246	ENSMUSG0 Mapk12
ENSMUSG0	446.4322	-0.17353	0.203371	-0.85325	0.393518	0.839307	ENSMUSG0 Sigirr
ENSMUSG0	119.3468	-0.31766	0.372413	-0.85299	0.393664	0.839526	ENSMUSG0 Znf41-ps
ENSMUSG0	2245.554	0.178795	0.209728	0.852512	0.39393	0.839907	ENSMUSG0 Mtpn
ENSMUSG0	240.2653	0.140576	0.164945	0.852261	0.394069	0.84001	ENSMUSG0 Ccdc71l
ENSMUSG0	3.118776	1.362078	1.598317	0.852195	0.394106	0.84001	ENSMUSG0 Gm38036
ENSMUSG0	2667.366	0.171412	0.201143	0.852189	0.394109	0.84001	ENSMUSG0 Atp1b3
ENSMUSG0	1214.573	-0.18044	0.211853	-0.85173	0.394365	0.840399	ENSMUSG0 Acp1
ENSMUSG0	4.681654	0.978665	1.149083	0.851692	0.394385	0.840399	ENSMUSG0 Gm266
ENSMUSG0	223.4553	0.257678	0.302603	0.851538	0.39447	0.840399	ENSMUSG0 Rfc5
ENSMUSG0	209.9945	0.493742	0.579865	0.851477	0.394505	0.840399	ENSMUSG0 Sp140
ENSMUSG0	25.0291	0.496496	0.583107	0.851466	0.39451	0.840399	ENSMUSG0 Gm2762
ENSMUSG0	4.932916	0.644339	0.756823	0.851372	0.394563	0.840417	ENSMUSG0 Tpm3-rs7
ENSMUSG0	407.1813	-0.20316	0.238697	-0.85113	0.394697	0.840564	ENSMUSG0 Mrm1
ENSMUSG0	3.790335	0.666513	0.783137	0.851082	0.394724	0.840564	ENSMUSG0 Rpl29-ps2
ENSMUSG0	18.07718	0.576611	0.677559	0.851012	0.394763	0.840564	ENSMUSG0 Gm31597
ENSMUSG0	222.7959	-0.20495	0.240892	-0.8508	0.394879	0.840702	ENSMUSG0 Stard8
ENSMUSG0	511.589	-0.21318	0.250607	-0.85066	0.394956	0.840702	ENSMUSG0 Gsto1
ENSMUSG0	2207.464	0.181564	0.213439	0.85066	0.394958	0.840702	ENSMUSG0 Tsen34
ENSMUSG0	48.2348	0.252349	0.296701	0.850516	0.395038	0.840779	ENSMUSG0 Adat2
ENSMUSG0	72.32626	0.562279	0.661192	0.850402	0.395102	0.840821	ENSMUSG0 Pla2g7
ENSMUSG0	63.21244	0.288721	0.339581	0.850226	0.395199	0.840887	ENSMUSG0 Plk4
ENSMUSG0	1372.308	-0.28296	0.332817	-0.85019	0.39522	0.840887	ENSMUSG0 Trappc2l
ENSMUSG0	419.3415	0.144161	0.16964	0.849804	0.395434	0.841069	ENSMUSG0 Klf16

ENSMUSG0	733.3088	-0.1963	0.231014	-0.84975	0.395466	0.841069	ENSMUSG0 Zfp68
ENSMUSG0	138.9249	0.182134	0.214345	0.849721	0.39548	0.841069	ENSMUSG0 Adam1a
ENSMUSG0	167.6253	0.909441	1.07035	0.849667	0.39551	0.841069	ENSMUSG0 Gm4070
ENSMUSG0	13.99016	0.356798	0.41994	0.849641	0.395525	0.841069	ENSMUSG0 Gm8113
ENSMUSG0	1263.961	-0.14771	0.173914	-0.84931	0.395708	0.841366	ENSMUSG0 Lancl1
ENSMUSG0	46.41107	-0.36857	0.434123	-0.84899	0.395886	0.841605	ENSMUSG0 Gm43609
ENSMUSG0	2821.412	-0.23091	0.272005	-0.84891	0.395931	0.841605	ENSMUSG0 Gse1
ENSMUSG0	130.8263	-0.48884	0.575918	-0.8488	0.395991	0.841605	ENSMUSG0 Prom2
ENSMUSG0	79.23046	0.394716	0.465031	0.848795	0.395995	0.841605	ENSMUSG0 Psme2b
ENSMUSG0	18.62163	0.437503	0.51554	0.84863	0.396087	0.84162	ENSMUSG0 Gm45663
ENSMUSG0	1201.932	-0.21238	0.250269	-0.84862	0.39609	0.84162	ENSMUSG0 Aqr
ENSMUSG0	149.4879	0.211702	0.249526	0.848416	0.396206	0.84166	ENSMUSG0 Frs3
ENSMUSG0	510.8522	-0.13756	0.162172	-0.84824	0.396304	0.84166	ENSMUSG0 Noa1
ENSMUSG0	1453.495	-0.13025	0.153561	-0.84817	0.396342	0.84166	ENSMUSG0 Rab4b
ENSMUSG0	1568.386	0.107628	0.126899	0.84814	0.39636	0.84166	ENSMUSG0 Capn1
ENSMUSG0	8.416868	1.072171	1.264183	0.848114	0.396375	0.84166	ENSMUSG0 Tspan10
ENSMUSG0	6.162002	0.647639	0.763683	0.848047	0.396412	0.84166	ENSMUSG0 Gm12296
ENSMUSG0	5657.87	-0.15812	0.186449	-0.84804	0.396415	0.84166	ENSMUSG0 Laptm4a
ENSMUSG0	6.25803	0.636866	0.751121	0.847888	0.396501	0.841749	ENSMUSG0 Ly6g5b
ENSMUSG0	1305.666	-0.22131	0.261064	-0.84772	0.396595	0.841813	ENSMUSG0 Rnf6
ENSMUSG0	588.7957	0.185254	0.218544	0.847675	0.396619	0.841813	ENSMUSG0 Stoml1
ENSMUSG0	22.80932	-0.36184	0.426903	-0.8476	0.396662	0.841813	ENSMUSG0 Mfsd2b
ENSMUSG0	549.1512	-0.15024	0.177296	-0.84741	0.396766	0.84194	ENSMUSG0 Ticam1
ENSMUSG0	197.67	0.147686	0.174324	0.847193	0.396888	0.842093	ENSMUSG0 Wdr5b
ENSMUSG0	31.52687	0.483044	0.570216	0.847125	0.396925	0.842093	ENSMUSG0 Ssc5d
ENSMUSG0	4.777984	0.694668	0.820311	0.846834	0.397087	0.84227	ENSMUSG0 Tdrd5
ENSMUSG0	5245.196	0.166037	0.196088	0.846749	0.397135	0.84227	ENSMUSG0 Sptbn1
ENSMUSG0	695.7345	-0.14435	0.170476	-0.84674	0.39714	0.84227	ENSMUSG0 Nob1
ENSMUSG0	543.8487	0.202981	0.23979	0.846495	0.397276	0.842464	ENSMUSG0 Kcnk3
ENSMUSG0	482.0528	-0.25725	0.303959	-0.84633	0.39737	0.842464	ENSMUSG0 Mtg1
ENSMUSG0	2970.648	-0.21591	0.255112	-0.84632	0.397372	0.842464	ENSMUSG0 Ubxn6
ENSMUSG0	29.22792	0.559096	0.660706	0.846209	0.397436	0.842464	ENSMUSG0 Gfi1
ENSMUSG0	664.9827	0.116451	0.13763	0.846114	0.397489	0.842464	ENSMUSG0 Ptpn21
ENSMUSG0	1078.028	-0.15541	0.183684	-0.84607	0.397513	0.842464	ENSMUSG0 Tsr1
ENSMUSG0	3384.631	-0.14914	0.176324	-0.84585	0.397635	0.842464	ENSMUSG0 Sec22b
ENSMUSG0	9516.553	-0.16169	0.191161	-0.84583	0.397646	0.842464	ENSMUSG0 Mlec
ENSMUSG0	207.3546	0.333766	0.394609	0.845813	0.397657	0.842464	ENSMUSG0 Fam111a
ENSMUSG0	15.98333	0.455461	0.538522	0.845762	0.397685	0.842464	ENSMUSG0 9430037G0
ENSMUSG0	46.86221	-0.30099	0.355937	-0.84562	0.397764	0.842464	ENSMUSG0 Gm35315
ENSMUSG0	30.24297	0.359232	0.424824	0.845603	0.397774	0.842464	ENSMUSG0 5830408C2
ENSMUSG0	11803.05	-0.13095	0.154885	-0.84547	0.397847	0.842464	ENSMUSG0 Ddost
ENSMUSG0	84.28901	0.612477	0.724468	0.845415	0.397879	0.842464	ENSMUSG0 C530008M:
ENSMUSG0	207.4451	-0.19358	0.22898	-0.8454	0.397889	0.842464	ENSMUSG0 Supt3
ENSMUSG0	29.52137	0.545507	0.645504	0.845087	0.398062	0.842727	ENSMUSG0 Slc17a4
ENSMUSG0	935.7407	-0.21629	0.255982	-0.84495	0.398141	0.842727	ENSMUSG0 Sord
ENSMUSG0	275.1756	0.16031	0.189767	0.84477	0.398239	0.842727	ENSMUSG0 Suv39h1
ENSMUSG0	5.129167	0.657671	0.778535	0.844755	0.398248	0.842727	ENSMUSG0 Gm48780
ENSMUSG0	3679.03	-0.22962	0.271831	-0.84471	0.398273	0.842727	ENSMUSG0 Cnot6l
ENSMUSG0	4905.012	0.14383	0.170272	0.844705	0.398276	0.842727	ENSMUSG0 Capns1
ENSMUSG0	1772.278	0.192875	0.228409	0.844427	0.398431	0.842891	ENSMUSG0 Iscu
ENSMUSG0	133.8013	0.215427	0.255121	0.844409	0.398441	0.842891	ENSMUSG0 Heyl
ENSMUSG0	751.3061	0.224739	0.266186	0.844292	0.398506	0.842909	ENSMUSG0 Zdhhc18

ENSMUSG0	9.061732	-0.48978	0.580161	-0.84421	0.398553	0.842909	ENSMUSG0 Gm37204
ENSMUSG0	6.194599	-0.85336	1.010932	-0.84413	0.398598	0.842909	ENSMUSG0 Gm48139
ENSMUSG0	317.134	0.246948	0.292564	0.84408	0.398625	0.842909	ENSMUSG0 McM3
ENSMUSG0	1181.622	-0.10052	0.119129	-0.84381	0.398773	0.843077	ENSMUSG0 Ubp1
ENSMUSG0	7.45799	0.590834	0.700222	0.843781	0.398792	0.843077	ENSMUSG0 Nlrp1b
ENSMUSG0	3.302799	-0.93679	1.110507	-0.84357	0.39891	0.843145	ENSMUSG0 Gm42900
ENSMUSG0	649.955	-0.16511	0.195747	-0.8435	0.398951	0.843145	ENSMUSG0 Mapkapk5
ENSMUSG0	631.5254	-0.19832	0.235117	-0.84349	0.398955	0.843145	ENSMUSG0 Bdp1
ENSMUSG0	29.50937	-0.45372	0.538148	-0.8431	0.39917	0.843147	ENSMUSG0 Gm38034
ENSMUSG0	617.6085	0.090004	0.106755	0.843086	0.39918	0.843147	ENSMUSG0 Rnf121
ENSMUSG0	33.01754	0.345854	0.410253	0.843025	0.399214	0.843147	ENSMUSG0 Ercc6l
ENSMUSG0	850.2624	-0.15388	0.182537	-0.84301	0.399222	0.843147	ENSMUSG0 Nipal2
ENSMUSG0	47.05133	0.41624	0.493793	0.842943	0.39926	0.843147	ENSMUSG0 Ctsk
ENSMUSG0	1088.45	-0.17937	0.212807	-0.84288	0.399296	0.843147	ENSMUSG0 Znhit1
ENSMUSG0	1999.453	-0.1114	0.132176	-0.84284	0.399319	0.843147	ENSMUSG0 Clcn4
ENSMUSG0	14.73036	0.729782	0.865964	0.84274	0.399374	0.843147	ENSMUSG0 Selenbp2
ENSMUSG0	12.02752	-0.70745	0.839503	-0.8427	0.399394	0.843147	ENSMUSG0 Igkv3-5
ENSMUSG0	10.5657	-0.62965	0.747254	-0.84263	0.399438	0.843147	ENSMUSG0 Klrc1
ENSMUSG0	5.060785	-0.63911	0.758475	-0.84262	0.399438	0.843147	ENSMUSG0 Gm19046
ENSMUSG0	7.609009	0.54667	0.649124	0.842165	0.399695	0.843377	ENSMUSG0 BC106179
ENSMUSG0	412.9244	-0.28851	0.342709	-0.84185	0.399874	0.843377	ENSMUSG0 Ccdc136
ENSMUSG0	13.14457	0.601112	0.714042	0.841844	0.399875	0.843377	ENSMUSG0 F730311O2
ENSMUSG0	6.022212	0.56171	0.667328	0.841729	0.39994	0.843377	ENSMUSG0 Gm11425
ENSMUSG0	349.2517	-0.14067	0.167146	-0.8416	0.400011	0.843377	ENSMUSG0 Tceanc2
ENSMUSG0	1110.659	-0.24395	0.289864	-0.8416	0.400013	0.843377	ENSMUSG0 Insr
ENSMUSG0	234.4349	0.178093	0.211616	0.841587	0.400019	0.843377	ENSMUSG0 Zbtb42
ENSMUSG0	239.8802	-0.18454	0.219286	-0.84154	0.400045	0.843377	ENSMUSG0 Tmem69
ENSMUSG0	19.78883	-0.42033	0.499503	-0.84149	0.400072	0.843377	ENSMUSG0 5330411J1
ENSMUSG0	1595.674	-0.24819	0.294947	-0.84148	0.400078	0.843377	ENSMUSG0 Ifrd1
ENSMUSG0	16.58392	-0.38686	0.459759	-0.84144	0.4001	0.843377	ENSMUSG0 9030624G2
ENSMUSG0	9.209922	-0.60872	0.723446	-0.84141	0.400118	0.843377	ENSMUSG0 Gm38220
ENSMUSG0	17.23786	0.90746	1.078653	0.84129	0.400186	0.843428	ENSMUSG0 Gm21188
ENSMUSG0	37.59636	-0.29459	0.350246	-0.8411	0.400294	0.843487	ENSMUSG0 Gm10069
ENSMUSG0	563.9541	-0.26154	0.310958	-0.84108	0.400301	0.843487	ENSMUSG0 Bach1
ENSMUSG0	2825.209	-0.20103	0.23908	-0.84084	0.400437	0.843592	ENSMUSG0 Epb41l3
ENSMUSG0	4.855266	1.161091	1.381189	0.840646	0.400546	0.843592	ENSMUSG0 BC028471
ENSMUSG0	1213.866	0.165399	0.196759	0.840614	0.400564	0.843592	ENSMUSG0 Zmym3
ENSMUSG0	8.745709	0.62034	0.737984	0.840588	0.400579	0.843592	ENSMUSG0 Gm42463
ENSMUSG0	226.4888	-0.22085	0.262757	-0.84051	0.40062	0.843592	ENSMUSG0 Zscan22
ENSMUSG0	858.1896	-0.18977	0.225788	-0.84046	0.400652	0.843592	ENSMUSG0 Ccdc59
ENSMUSG0	4.237945	-0.72687	0.864946	-0.84037	0.400703	0.843592	ENSMUSG0 Gm48965
ENSMUSG0	313.8473	-0.24316	0.289366	-0.84031	0.400735	0.843592	ENSMUSG0 Irak1bp1
ENSMUSG0	17.50134	0.467892	0.556822	0.84029	0.400746	0.843592	ENSMUSG0 Map3k7cl
ENSMUSG0	31.70993	0.305698	0.363873	0.840124	0.400839	0.843695	ENSMUSG0 Gins1
ENSMUSG0	4075.164	0.191313	0.227741	0.840045	0.400883	0.843696	ENSMUSG0 Smarca2
ENSMUSG0	3.939376	-0.74535	0.88761	-0.83973	0.401061	0.843883	ENSMUSG0 Tomt
ENSMUSG0	75.3575	0.268957	0.320299	0.839707	0.401073	0.843883	ENSMUSG0 Pemt
ENSMUSG0	833.3214	-0.13866	0.165142	-0.83965	0.401103	0.843883	ENSMUSG0 Rpap1
ENSMUSG0	125.7434	0.447026	0.532553	0.839403	0.401243	0.843942	ENSMUSG0 Tspan32
ENSMUSG0	3.667707	0.926461	1.103752	0.839375	0.401259	0.843942	ENSMUSG0 Gm28551
ENSMUSG0	48.05231	0.493558	0.588077	0.839274	0.401315	0.843942	ENSMUSG0 Tlr7
ENSMUSG0	1659.112	-0.22573	0.268995	-0.83917	0.401372	0.843942	ENSMUSG0 Zc3h13

ENSMUSG0	27.92038	0.267692	0.31902	0.839107	0.401409	0.843942	ENSMUSG0 Abcc12
ENSMUSG0	896.5051	0.15176	0.180866	0.83907	0.40143	0.843942	ENSMUSG0 Mfsd6
ENSMUSG0	271.4758	-0.17775	0.211858	-0.839	0.401468	0.843942	ENSMUSG0C330018D2
ENSMUSG0	794.7344	0.271557	0.323677	0.838977	0.401482	0.843942	ENSMUSG0 Gstm5
ENSMUSG0	4.694557	-0.6915	0.824316	-0.83888	0.401535	0.84395	ENSMUSG0 Gm48870
ENSMUSG0	303.3491	-0.17768	0.211834	-0.83876	0.401602	0.84395	ENSMUSG0 Pard3b
ENSMUSG0	45.55425	-0.74042	0.882784	-0.83874	0.401618	0.84395	ENSMUSG0 Pagr1a
ENSMUSG0	258.512	0.457563	0.545647	0.838568	0.401712	0.844011	ENSMUSG0 Vav1
ENSMUSG0	1028.934	0.196622	0.23449	0.838512	0.401743	0.844011	ENSMUSG0 Stk4
ENSMUSG0	3.060246	-0.77431	0.923559	-0.8384	0.401806	0.844011	ENSMUSG0 Gm47693
ENSMUSG0	9.201144	-0.43234	0.515814	-0.83816	0.401939	0.844011	ENSMUSG0 AA388235
ENSMUSG0	4.026367	0.860725	1.026969	0.838121	0.401963	0.844011	ENSMUSG0 Rps10-ps2
ENSMUSG0	41.95776	0.346414	0.413448	0.837867	0.402105	0.844011	ENSMUSG0 Cfap300
ENSMUSG0	953.7241	-0.18854	0.225026	-0.83785	0.402117	0.844011	ENSMUSG0 Itpr2
ENSMUSG0	616.2068	-0.23202	0.276926	-0.83784	0.40212	0.844011	ENSMUSG0 Tmem218
ENSMUSG0	501.757	-0.15934	0.190177	-0.83784	0.402121	0.844011	ENSMUSG0 Zfp637
ENSMUSG0	847.3783	0.20501	0.244695	0.83782	0.402132	0.844011	ENSMUSG0 Chchd6
ENSMUSG0	23.66328	0.453077	0.540782	0.837819	0.402133	0.844011	ENSMUSG0 Gm48838
ENSMUSG0	32.44863	0.330605	0.39464	0.837739	0.402177	0.844011	ENSMUSG0 Brip1
ENSMUSG0	203.2706	-0.3617	0.43179	-0.83767	0.402217	0.844011	ENSMUSG0 Gm32031
ENSMUSG0	262.2158	0.156445	0.186825	0.83739	0.402374	0.844214	ENSMUSG0 Tek
ENSMUSG0	1472.711	-0.18761	0.2241	-0.83719	0.402485	0.844214	ENSMUSG0 Slc27a4
ENSMUSG0	674.5027	0.235351	0.281122	0.837183	0.402489	0.844214	ENSMUSG0 Prr14l
ENSMUSG0	4.911413	0.78174	0.933967	0.83701	0.402587	0.844326	ENSMUSG0 BC006965
ENSMUSG0	90.82334	0.189985	0.227006	0.836915	0.40264	0.844347	ENSMUSG0 Bora
ENSMUSG0	35.06724	0.303496	0.362763	0.836622	0.402805	0.844599	ENSMUSG0 Grik4
ENSMUSG0	1524.452	0.136078	0.162672	0.836517	0.402864	0.844632	ENSMUSG0 Cggbp1
ENSMUSG0	2759.749	-0.12448	0.148839	-0.83631	0.402982	0.844661	ENSMUSG0 Dgkd
ENSMUSG0	2248.938	-0.14497	0.173355	-0.83624	0.403019	0.844661	ENSMUSG0 Fbxo3
ENSMUSG0	3292.009	-0.16281	0.194696	-0.83622	0.403033	0.844661	ENSMUSG0 Tecr
ENSMUSG0	10.31712	-0.43127	0.515817	-0.8361	0.403101	0.844661	ENSMUSG0 Gm45153
ENSMUSG0	85.83673	0.404812	0.484227	0.835996	0.403157	0.844661	ENSMUSG0 Cd68
ENSMUSG0	600.3538	0.193202	0.231106	0.835988	0.403162	0.844661	ENSMUSG0 Acox3
ENSMUSG0	301.9925	-0.20089	0.240317	-0.83595	0.403186	0.844661	ENSMUSG0 Sntb2
ENSMUSG0	706.2909	0.130519	0.156169	0.835753	0.403294	0.84468	ENSMUSG0 Necap2
ENSMUSG0	3.072499	-0.8547	1.022688	-0.83574	0.403303	0.84468	ENSMUSG0A930005G2
ENSMUSG0	420.9362	0.205923	0.246426	0.83564	0.403357	0.84468	ENSMUSG0 Fgd4
ENSMUSG0	6.184928	-0.74795	0.895091	-0.83562	0.40337	0.84468	ENSMUSG0 Tmem217
ENSMUSG0	175.9744	-0.31297	0.374589	-0.83551	0.403428	0.84471	ENSMUSG0 Ropn1l
ENSMUSG0	273.7136	-0.21361	0.255741	-0.83527	0.403564	0.844764	ENSMUSG0 Cbr4
ENSMUSG0	958.6691	-0.18511	0.221636	-0.83521	0.403602	0.844764	ENSMUSG0 Psmb2
ENSMUSG0	10.47202	0.503351	0.60269	0.835174	0.40362	0.844764	ENSMUSG0 Cd300ld3
ENSMUSG0	8.726013	-0.60821	0.728332	-0.83507	0.403679	0.844764	ENSMUSG0B930086L0
ENSMUSG0	528.988	-0.23212	0.277978	-0.83502	0.403708	0.844764	ENSMUSG0 Psmg2
ENSMUSG0	14.74697	0.43454	0.520407	0.835	0.403718	0.844764	ENSMUSG0 Fbxw10
ENSMUSG0	2658.311	-0.11377	0.136322	-0.8346	0.403941	0.845138	ENSMUSG0 Dgcr2
ENSMUSG0	3.712239	-0.74157	0.888772	-0.83438	0.404067	0.845311	ENSMUSG0 Rbfaos
ENSMUSG0	8.327155	-0.55275	0.66256	-0.83426	0.404133	0.845358	ENSMUSG04930534D2
ENSMUSG0	3304.25	-0.20618	0.247213	-0.83401	0.404275	0.845392	ENSMUSG0 Ndufv1
ENSMUSG0	2296.741	-0.1854	0.222305	-0.83401	0.404278	0.845392	ENSMUSG0 Glib1l2
ENSMUSG0	32.76489	0.298034	0.357411	0.833871	0.404354	0.845392	ENSMUSG04930466K1
ENSMUSG0	10.54922	-0.57342	0.687669	-0.83387	0.404356	0.845392	ENSMUSG0 Gpr31c

ENSMUSG0	99.06227	-0.20023	0.240184	-0.83363	0.404488	0.845392	ENSMUSG0 Samd13
ENSMUSG0	140.5908	-1.60561	1.926113	-0.8336	0.404507	0.845392	ENSMUSG0 Gsta1
ENSMUSG0	4.401171	0.638065	0.765447	0.833584	0.404515	0.845392	ENSMUSG0 Gabra5
ENSMUSG0	8.85708	-0.46972	0.563623	-0.8334	0.404621	0.845392	ENSMUSG0 AC020971..
ENSMUSG0	266.6981	0.241084	0.289315	0.833294	0.404679	0.845392	ENSMUSG0 Ushbp1
ENSMUSG0	816.6763	0.194455	0.233368	0.833255	0.404701	0.845392	ENSMUSG0 Nalcn
ENSMUSG0	6610.072	0.135545	0.162686	0.833167	0.40475	0.845392	ENSMUSG0 Eif4b
ENSMUSG0	1920.673	0.162301	0.194803	0.833156	0.404757	0.845392	ENSMUSG0 Nap1l5
ENSMUSG0	14.31507	-0.38799	0.465709	-0.83312	0.404777	0.845392	ENSMUSG0 Efcab11
ENSMUSG0	116.4797	0.200639	0.240836	0.833091	0.404794	0.845392	ENSMUSG0 Zfp566
ENSMUSG0	397.4978	-0.14283	0.171462	-0.83304	0.404822	0.845392	ENSMUSG0 Cyb561d1
ENSMUSG0	3.391922	-0.84434	1.013678	-0.83295	0.404875	0.845392	ENSMUSG0 Rps19-ps6
ENSMUSG0	778.4349	0.154242	0.185207	0.832808	0.404953	0.845392	ENSMUSG0 Smim13
ENSMUSG0	414.9092	0.175966	0.211307	0.832748	0.404987	0.845392	ENSMUSG0 Rpap3
ENSMUSG0	22.53306	-0.50089	0.601547	-0.83267	0.405033	0.845392	ENSMUSG0 Plet1os
ENSMUSG0	4720.075	-0.18476	0.221904	-0.83261	0.405065	0.845392	ENSMUSG0 Lbh
ENSMUSG0	140.7813	-0.40421	0.485541	-0.83248	0.405136	0.845392	ENSMUSG0 Sostdc1
ENSMUSG0	278.5755	-0.17499	0.210203	-0.83248	0.405139	0.845392	ENSMUSG0 Tbc1d7
ENSMUSG0	118.4796	-0.22117	0.265687	-0.83244	0.40516	0.845392	ENSMUSG0 Cyren
ENSMUSG0	576.5918	-0.11864	0.142551	-0.83224	0.405273	0.845456	ENSMUSG0 Cstf1
ENSMUSG0	317.6582	0.151492	0.182031	0.83223	0.405279	0.845456	ENSMUSG0 Lin52
ENSMUSG0	3.475379	0.732049	0.879896	0.831971	0.405425	0.845669	ENSMUSG0 Trpc5
ENSMUSG0	588.7229	0.229738	0.276182	0.831833	0.405503	0.84574	ENSMUSG0 Pmp22
ENSMUSG0	1073.163	0.1503	0.180733	0.831614	0.405627	0.845906	ENSMUSG0 Cuedc2
ENSMUSG0	89.10754	-0.20428	0.245721	-0.83134	0.40578	0.846058	ENSMUSG0 C230013L1
ENSMUSG0	122.4045	-0.19363	0.232913	-0.83133	0.405788	0.846058	ENSMUSG0 Efn2
ENSMUSG0	13.13861	0.504621	0.607179	0.831091	0.405922	0.846247	ENSMUSG0 9630001P1
ENSMUSG0	369.9425	0.203022	0.244323	0.830957	0.405998	0.846297	ENSMUSG0 Slc29a3
ENSMUSG0	260.755	0.226387	0.272463	0.830893	0.406034	0.846297	ENSMUSG0 Eif5a2
ENSMUSG0	6.532058	-0.75283	0.906404	-0.83057	0.406219	0.846397	ENSMUSG0 Gm8242
ENSMUSG0	343.6967	0.406903	0.489923	0.830545	0.406231	0.846397	ENSMUSG0 Sp110
ENSMUSG0	350.0954	0.241597	0.290907	0.830497	0.406258	0.846397	ENSMUSG0 Polr3f
ENSMUSG0	106.1398	0.284935	0.343301	0.829987	0.406546	0.846905	ENSMUSG0 Slc15a3
ENSMUSG0	63.13741	0.28848	0.347749	0.829563	0.406786	0.84721	ENSMUSG0 Ifi44
ENSMUSG0	6568.068	-0.17882	0.215597	-0.82942	0.406868	0.84721	ENSMUSG0 Stard10
ENSMUSG0	141.5768	0.31511	0.379918	0.829416	0.406869	0.84721	ENSMUSG0 Hlx
ENSMUSG0	2371.135	-0.10246	0.12356	-0.82923	0.406975	0.84734	ENSMUSG0 Scyl1
ENSMUSG0	767.4697	0.096581	0.116488	0.829104	0.407045	0.847367	ENSMUSG0 1600014C1
ENSMUSG0	40.845	-0.40231	0.485296	-0.829	0.407102	0.847367	ENSMUSG0 Zbtb8b
ENSMUSG0	1761.915	-0.11821	0.142596	-0.82897	0.40712	0.847367	ENSMUSG0 Dpf2
ENSMUSG0	274.3891	0.240885	0.290742	0.828517	0.407378	0.847811	ENSMUSG0 Spred3
ENSMUSG0	4.73556	0.649544	0.784113	0.82838	0.407456	0.847881	ENSMUSG0 Gm9884
ENSMUSG0	1108.964	-0.0953	0.115052	-0.82829	0.407508	0.847899	ENSMUSG0 Parn
ENSMUSG0	269.9082	0.363816	0.439478	0.827836	0.407763	0.848074	ENSMUSG0 Igsf9
ENSMUSG0	1686.302	-0.12261	0.14812	-0.8278	0.407783	0.848074	ENSMUSG0 Cul4a
ENSMUSG0	769.665	0.207373	0.250513	0.827794	0.407787	0.848074	ENSMUSG0 Scn9a
ENSMUSG0	6.491876	0.799595	0.965971	0.827763	0.407804	0.848074	ENSMUSG0 Gm45708
ENSMUSG0	993.4372	0.113502	0.137121	0.827749	0.407812	0.848074	ENSMUSG0 Pdcl
ENSMUSG0	7079.929	-0.24163	0.291981	-0.82756	0.407922	0.848105	ENSMUSG0 Selenof
ENSMUSG0	868.9442	0.154846	0.187138	0.827441	0.407987	0.848105	ENSMUSG0 Ftsj3
ENSMUSG0	1321.916	-0.16089	0.194439	-0.82743	0.407991	0.848105	ENSMUSG0 Kmt2b
ENSMUSG0	17.3249	-0.40022	0.483707	-0.82741	0.408004	0.848105	ENSMUSG0 Gm50203

ENSMUSG0	4.193547	0.793466	0.959115	0.82729	0.408073	0.848107	ENSMUSG0 Rph3a
ENSMUSG0	3.233832	-1.35174	1.634133	-0.82719	0.408127	0.848107	ENSMUSG0 H3c10
ENSMUSG0	74.24101	0.367538	0.444329	0.827176	0.408137	0.848107	ENSMUSG0 Pole
ENSMUSG0	3.721422	-0.6924	0.837154	-0.82709	0.408187	0.848119	ENSMUSG0 Gm49058
ENSMUSG0	737.7076	0.196103	0.237198	0.826747	0.408381	0.848406	ENSMUSG0 Scyl2
ENSMUSG0	3.211591	0.829688	1.003681	0.826645	0.408438	0.848406	ENSMUSG0 Gm50338
ENSMUSG0	51.10279	-0.24658	0.298298	-0.82661	0.408457	0.848406	ENSMUSG0 D830035M
ENSMUSG0	2697.183	-0.18894	0.228628	-0.82642	0.408565	0.848538	ENSMUSG0 Nbas
ENSMUSG0	1516.538	0.124995	0.15127	0.826301	0.408633	0.848588	ENSMUSG0 Dcaf5
ENSMUSG0	567.8473	0.227436	0.275275	0.826213	0.408683	0.8486	ENSMUSG0 Mpp5
ENSMUSG0	29.33386	0.296996	0.359528	0.826072	0.408763	0.848646	ENSMUSG0 Tnfsf13b
ENSMUSG0	5807.264	-0.27409	0.331824	-0.82602	0.408793	0.848646	ENSMUSG0 Dnajb1
ENSMUSG0	264.693	-0.18654	0.225933	-0.82566	0.409	0.8488	ENSMUSG0 Thap6
ENSMUSG0	163.9753	-0.17718	0.214609	-0.82558	0.409043	0.8488	ENSMUSG0 Nphp4
ENSMUSG0	582.2366	-0.23022	0.27886	-0.82556	0.409054	0.8488	ENSMUSG0 Mtfp1
ENSMUSG0	1206.353	-0.11685	0.141552	-0.82547	0.409102	0.8488	ENSMUSG0 Cops8
ENSMUSG0	6.696643	0.603224	0.730884	0.825335	0.409182	0.8488	ENSMUSG0 Gm38365
ENSMUSG0	445.137	0.225422	0.27314	0.825299	0.409202	0.8488	ENSMUSG0 Sdad1
ENSMUSG0	803.8628	-0.15824	0.191746	-0.82527	0.409221	0.8488	ENSMUSG0 Adarb1
ENSMUSG0	37.2234	0.395269	0.479133	0.824967	0.40939	0.84906	ENSMUSG0 3930402G2
ENSMUSG0	21.83176	-0.4016	0.48698	-0.82466	0.409562	0.849233	ENSMUSG0 Gm10125
ENSMUSG0	12.76504	0.718277	0.871211	0.824458	0.409679	0.849384	ENSMUSG0 Sema5b
ENSMUSG0	1509.713	-0.24094	0.292302	-0.82428	0.409782	0.849505	ENSMUSG0 Cwc15
ENSMUSG0	6816.83	-0.23247	0.282052	-0.8242	0.409827	0.849508	ENSMUSG0 Rpl23
ENSMUSG0	6.804038	-0.53287	0.646683	-0.824	0.409941	0.849628	ENSMUSG0 Gm43829
ENSMUSG0	830.5196	0.224764	0.272791	0.823941	0.409973	0.849628	ENSMUSG0 Igip
ENSMUSG0	27.23122	-0.32423	0.393663	-0.82362	0.410153	0.849909	ENSMUSG0 Magix
ENSMUSG0	1994.16	0.194018	0.235619	0.823439	0.410258	0.850036	ENSMUSG0 Hcfc1r1
ENSMUSG0	759.2091	0.139021	0.16885	0.823336	0.410317	0.850065	ENSMUSG0 Nceh1
ENSMUSG0	337.1293	0.14041	0.170558	0.823238	0.410373	0.850089	ENSMUSG0 Xndc1
ENSMUSG0	4.081065	0.674756	0.82004	0.822833	0.410603	0.850363	ENSMUSG0 Perm1
ENSMUSG0	245.5149	-0.18438	0.224116	-0.8227	0.410677	0.850363	ENSMUSG0 2810021J2
ENSMUSG0	485.8879	-0.15564	0.189197	-0.82266	0.410704	0.850363	ENSMUSG0 Erc2
ENSMUSG0	10.78321	2.303056	2.79967	0.822617	0.410726	0.850363	ENSMUSG0 Gm12751
ENSMUSG0	4.376293	-0.73761	0.8968	-0.82249	0.4108	0.850426	ENSMUSG0 Gm42772
ENSMUSG0	1123.403	-0.24795	0.30151	-0.82236	0.410873	0.850484	ENSMUSG0 Wipi1
ENSMUSG0	123.4267	0.198818	0.241805	0.822225	0.410949	0.85055	ENSMUSG0 Ttc39c
ENSMUSG0	1962.482	0.227031	0.27632	0.821625	0.411291	0.851166	ENSMUSG0 Zmat2
ENSMUSG0	920.0534	-0.15595	0.189859	-0.82138	0.411432	0.851329	ENSMUSG0 Myt1l
ENSMUSG0	275.679	0.11657	0.141928	0.821331	0.411458	0.851329	ENSMUSG0 A430033K0
ENSMUSG0	538.3736	0.467314	0.569156	0.821066	0.411609	0.851439	ENSMUSG0 Il2rg
ENSMUSG0	29.19124	0.428235	0.521684	0.820871	0.41172	0.851439	ENSMUSG0 Ovgp1
ENSMUSG0	321.4757	-0.12064	0.146976	-0.82081	0.411755	0.851439	ENSMUSG0 Tbp
ENSMUSG0	2025.622	0.161369	0.196633	0.820661	0.41184	0.851439	ENSMUSG0 Adprh
ENSMUSG0	418.3545	0.211203	0.25736	0.82065	0.411846	0.851439	ENSMUSG0 Phlpp1
ENSMUSG0	882.7099	-0.16108	0.196358	-0.82036	0.412009	0.851439	ENSMUSG0 Chd5
ENSMUSG0	174.2404	-0.26955	0.328643	-0.82019	0.412107	0.851439	ENSMUSG0 2900093K2
ENSMUSG0	229.362	0.200873	0.244913	0.820181	0.412113	0.851439	ENSMUSG0 Galnt9
ENSMUSG0	1240.544	0.173102	0.211074	0.820101	0.412159	0.851439	ENSMUSG0 Tomm40l
ENSMUSG0	44.01412	0.353667	0.431252	0.820094	0.412163	0.851439	ENSMUSG0 Celf5
ENSMUSG0	10.85953	0.657988	0.80244	0.819985	0.412225	0.851439	ENSMUSG0 Prrt2
ENSMUSG0	594.2719	0.39936	0.487085	0.819897	0.412275	0.851439	ENSMUSG0 Syk

ENSMUSG0	6.735538	-1.02082	1.245071	-0.81989	0.412279	0.851439	ENSMUSG0 Igkv4-61
ENSMUSG0	1367.979	-0.22454	0.273886	-0.81984	0.412307	0.851439	ENSMUSG0 Ndufb2
ENSMUSG0	3.918863	-0.77594	0.94652	-0.81978	0.412341	0.851439	ENSMUSG0 Ccdc152
ENSMUSG0	1149.845	-0.1823	0.222434	-0.81959	0.412453	0.851439	ENSMUSG0 Stam2
ENSMUSG0	171.1351	0.353703	0.431688	0.819348	0.412588	0.851439	ENSMUSG0 Pdpr
ENSMUSG0	509.3482	-0.15819	0.193084	-0.8193	0.412615	0.851439	ENSMUSG0 Dtymk
ENSMUSG0	599.1568	0.226976	0.277046	0.81927	0.412632	0.851439	ENSMUSG0 Btnl9
ENSMUSG0	293.5301	-0.147	0.179433	-0.81925	0.412641	0.851439	ENSMUSG0 Cinp
ENSMUSG0	8.230358	-0.70114	0.855919	-0.81917	0.412692	0.851439	ENSMUSG0 Gm37474
ENSMUSG0	262.1801	-0.19857	0.242449	-0.81902	0.412773	0.851439	ENSMUSG0 Mtrr
ENSMUSG0	340.2177	0.259409	0.31674	0.818997	0.412788	0.851439	ENSMUSG0 Casp8ap2
ENSMUSG0	7036.476	-0.23161	0.282811	-0.81897	0.412802	0.851439	ENSMUSG0 Rps7
ENSMUSG0	1646.173	-0.19496	0.238071	-0.81893	0.412824	0.851439	ENSMUSG0 Ddx18
ENSMUSG0	498.8755	0.366767	0.447884	0.818888	0.41285	0.851439	ENSMUSG0 2610005L0
ENSMUSG0	8.541689	-0.87253	1.06552	-0.81888	0.412857	0.851439	ENSMUSG0 Prtn3
ENSMUSG0	533.4002	0.148204	0.180992	0.818843	0.412876	0.851439	ENSMUSG0 Maml1
ENSMUSG0	272.7492	-0.20708	0.252907	-0.8188	0.4129	0.851439	ENSMUSG0 Sdcbp2
ENSMUSG0	3.924682	0.89479	1.092869	0.818753	0.412927	0.851439	ENSMUSG0 Gm12715
ENSMUSG0	126.0623	0.313138	0.382477	0.818709	0.412952	0.851439	ENSMUSG0 Klf12
ENSMUSG0	8.919368	-0.56997	0.696211	-0.81868	0.41297	0.851439	ENSMUSG0 Cntd1
ENSMUSG0	477.1769	-0.13747	0.167915	-0.81866	0.41298	0.851439	ENSMUSG0 Ap5z1
ENSMUSG0	661.0349	0.635212	0.775976	0.818598	0.413016	0.851439	ENSMUSG0 Ces1d
ENSMUSG0	89.79952	-0.8018	0.979887	-0.81826	0.41321	0.851684	ENSMUSG0 n-R5s100
ENSMUSG0	724.4927	-0.10675	0.130463	-0.81823	0.413223	0.851684	ENSMUSG0 Rfwd3
ENSMUSG0	10.62089	-0.50359	0.615591	-0.81807	0.413318	0.851788	ENSMUSG0 Gm43682
ENSMUSG0	12.14414	0.596549	0.729511	0.817737	0.413507	0.852011	ENSMUSG0 Gm49024
ENSMUSG0	5653.64	-0.21263	0.260025	-0.81772	0.413515	0.852011	ENSMUSG0 Hmgn2
ENSMUSG0	84.1719	-1.26623	1.549429	-0.81722	0.413801	0.8525	ENSMUSG0 Gm7666
ENSMUSG0	172.3134	0.691756	0.846544	0.817153	0.413841	0.8525	ENSMUSG0 Trac
ENSMUSG0	9.870403	0.621062	0.760142	0.817034	0.413909	0.852549	ENSMUSG0 Amdhd1
ENSMUSG0	1863.102	-0.24309	0.297568	-0.81692	0.413977	0.852559	ENSMUSG0 Fh1
ENSMUSG0	456.9558	-0.2584	0.316326	-0.81687	0.414003	0.852559	ENSMUSG0 0610009B2
ENSMUSG0	604.4367	-0.1098	0.134448	-0.81665	0.414131	0.852732	ENSMUSG0 Whamm
ENSMUSG0	7.584189	0.545241	0.667797	0.816477	0.414227	0.852839	ENSMUSG0 Zfp977
ENSMUSG0	9.533002	0.436174	0.534277	0.816381	0.414282	0.852861	ENSMUSG0 Vnn3
ENSMUSG0	225.4865	-0.12465	0.152734	-0.81615	0.414416	0.852936	ENSMUSG0 Cdyl
ENSMUSG0	912.0705	-0.18753	0.229799	-0.81606	0.414464	0.852936	ENSMUSG0 MocS2
ENSMUSG0	1709.569	0.121242	0.148587	0.815967	0.414519	0.852936	ENSMUSG0 Phb
ENSMUSG0	136.4122	0.208206	0.25517	0.81595	0.414529	0.852936	ENSMUSG0 Gm10778
ENSMUSG0	1212.145	-0.1851	0.226852	-0.81593	0.41454	0.852936	ENSMUSG0 Ssu72
ENSMUSG0	254.6141	-0.29624	0.363109	-0.81584	0.41459	0.852946	ENSMUSG0 Zfp65
ENSMUSG0	14.03478	0.676902	0.829785	0.815755	0.41464	0.852959	ENSMUSG0 Clec4a1
ENSMUSG0	7.152053	0.552961	0.678094	0.815464	0.414807	0.85321	ENSMUSG0 Irs3
ENSMUSG0	1576.739	-0.17948	0.220114	-0.81538	0.414852	0.853213	ENSMUSG0 Ibtbk
ENSMUSG0	52.12728	1.365076	1.674365	0.81528	0.414912	0.853245	ENSMUSG0 Adgrg7
ENSMUSG0	14.27921	-0.55536	0.68144	-0.81498	0.415083	0.853505	ENSMUSG0 Gm16006
ENSMUSG0	1510.397	0.169966	0.208596	0.814809	0.415181	0.853616	ENSMUSG0 Msantd4
ENSMUSG0	11.23835	0.531636	0.652606	0.814636	0.41528	0.853728	ENSMUSG0 Chrna4
ENSMUSG0	12.00416	0.471029	0.578293	0.814516	0.415349	0.853758	ENSMUSG0 Gm36026
ENSMUSG0	199.9179	-0.64441	0.791235	-0.81443	0.415397	0.853758	ENSMUSG0 Gm50241
ENSMUSG0	638.2592	0.206948	0.254118	0.814378	0.415428	0.853758	ENSMUSG0 Apbb3
ENSMUSG0	5.483067	0.547488	0.672476	0.814137	0.415567	0.853952	ENSMUSG0 Cd200r1

ENSMUSG0	2017.012	0.154526	0.18983	0.814023	0.415632	0.853994	ENSMUSG0 F11r
ENSMUSG0	76.91529	0.232545	0.285732	0.813858	0.415726	0.854097	ENSMUSG0 Mrnip
ENSMUSG0	17.97598	-0.39597	0.486582	-0.81377	0.415777	0.854103	ENSMUSG0 Lila5
ENSMUSG0	9.225563	0.472022	0.580141	0.813633	0.415855	0.854103	ENSMUSG0 Gpr165
ENSMUSG0	10.15048	-0.62653	0.770163	-0.8135	0.415933	0.854103	ENSMUSG0 Gm38120
ENSMUSG0	1397.602	-0.12244	0.150519	-0.81347	0.415949	0.854103	ENSMUSG01110004F1
ENSMUSG0	3.594338	-0.73841	0.907796	-0.81341	0.415986	0.854103	ENSMUSG0 Gm39271
ENSMUSG0	435.1944	-0.19858	0.244135	-0.81339	0.415995	0.854103	ENSMUSG04632415L0
ENSMUSG0	170.7432	0.265952	0.327049	0.813186	0.416111	0.854222	ENSMUSG0 Metr
ENSMUSG0	24.25714	-0.42706	0.525199	-0.81313	0.416143	0.854222	ENSMUSG02010007H0
ENSMUSG0	3.938646	-0.68631	0.844143	-0.81302	0.416204	0.854222	ENSMUSG0C030017G1
ENSMUSG0	3.884693	-0.80475	0.989907	-0.81295	0.416245	0.854222	ENSMUSG0 Aldh3a1
ENSMUSG0	46.64991	0.288555	0.355066	0.812681	0.416401	0.854222	ENSMUSG0C330011M
ENSMUSG0	6779.331	-0.27238	0.335259	-0.81244	0.416538	0.854222	ENSMUSG0 Golga4
ENSMUSG0	3.578609	-0.71246	0.877001	-0.81238	0.416576	0.854222	ENSMUSG0 Gm44672
ENSMUSG0	58.41153	-0.30506	0.375524	-0.81236	0.416583	0.854222	ENSMUSG0 Tnfaip8l3
ENSMUSG0	631.413	0.580414	0.714485	0.812354	0.416589	0.854222	ENSMUSG0 Wdfy4
ENSMUSG0	2188.387	0.151499	0.186509	0.812286	0.416628	0.854222	ENSMUSG0 Apbb1
ENSMUSG0	880.1854	-0.18769	0.231083	-0.8122	0.416674	0.854222	ENSMUSG0 Yeats4
ENSMUSG0	1272.992	0.113085	0.139237	0.812176	0.41669	0.854222	ENSMUSG0 Ccar2
ENSMUSG0	425.3004	-0.20096	0.247441	-0.81216	0.416703	0.854222	ENSMUSG0 Serhl
ENSMUSG0	128.9684	-0.29266	0.360358	-0.81214	0.41671	0.854222	ENSMUSG0 Pbk
ENSMUSG0	314.9404	0.126439	0.155689	0.812125	0.41672	0.854222	ENSMUSG0 Plekhf2
ENSMUSG0	6.386234	-0.79467	0.978908	-0.81179	0.41691	0.854393	ENSMUSG0 Gm48880
ENSMUSG0	414.1334	0.333784	0.411195	0.811743	0.416939	0.854393	ENSMUSG0 Cd72
ENSMUSG0	3.00196	-0.85515	1.053819	-0.81147	0.417094	0.854393	ENSMUSG0 Gm16044
ENSMUSG0	2.989498	-0.73563	0.906568	-0.81144	0.417112	0.854393	ENSMUSG0 Gm42596
ENSMUSG0	451.054	0.135391	0.166857	0.811418	0.417125	0.854393	ENSMUSG0 Enox2
ENSMUSG0	5.159188	1.094482	1.348959	0.811353	0.417163	0.854393	ENSMUSG0 Chil3
ENSMUSG0	823.8901	-0.3269	0.402939	-0.81129	0.417199	0.854393	ENSMUSG0 Ndufb1-ps
ENSMUSG0	417.1965	-0.18901	0.232989	-0.81122	0.417239	0.854393	ENSMUSG0 Pgm2
ENSMUSG0	1929.449	0.183796	0.226603	0.811092	0.417313	0.854393	ENSMUSG0 Kihl9
ENSMUSG0	2182.473	0.259584	0.320063	0.81104	0.417343	0.854393	ENSMUSG0 Mdm4
ENSMUSG0	35.73423	-0.33769	0.4164	-0.81098	0.417376	0.854393	ENSMUSG0 Erich6
ENSMUSG0	1332.306	-0.17561	0.216551	-0.81095	0.417393	0.854393	ENSMUSG0 Folr1
ENSMUSG0	7.932734	0.444164	0.547716	0.810939	0.417401	0.854393	ENSMUSG0 Apobec4
ENSMUSG0	1342.777	0.187022	0.230646	0.810864	0.417444	0.854393	ENSMUSG0 Map9
ENSMUSG0	37.70417	-0.34667	0.427555	-0.81082	0.417469	0.854393	ENSMUSG0 Gm20045
ENSMUSG0	226.2292	-0.16132	0.198989	-0.81068	0.417548	0.854463	ENSMUSG0 Ppwd1
ENSMUSG0	961.7103	0.148994	0.183811	0.810582	0.417605	0.85449	ENSMUSG0 Atg9a
ENSMUSG0	778.2614	0.130869	0.161471	0.810481	0.417664	0.854503	ENSMUSG0 Zfp512
ENSMUSG0	641.3122	-0.14934	0.184286	-0.81037	0.417726	0.854503	ENSMUSG0 Pnkp
ENSMUSG0	453.8744	-0.17762	0.219211	-0.81027	0.417784	0.854503	ENSMUSG0 Rpf1
ENSMUSG0	55.36019	0.457793	0.564994	0.810262	0.41779	0.854503	ENSMUSG0 Tnfrsf4
ENSMUSG0	1162.879	-0.28125	0.347144	-0.81017	0.41784	0.854515	ENSMUSG0 Chchd7
ENSMUSG0	16.56486	0.396854	0.489897	0.810077	0.417896	0.854538	ENSMUSG0 Gm13613
ENSMUSG0	1100.27	-0.1312	0.161996	-0.80992	0.417987	0.854602	ENSMUSG0 Nsmaf
ENSMUSG0	456.0331	-0.15538	0.191862	-0.80983	0.418037	0.854602	ENSMUSG0 Eef1aknmt
ENSMUSG0	8.171007	0.623226	0.769631	0.809773	0.418071	0.854602	ENSMUSG0 Tnfrsf8
ENSMUSG0	7.741182	-0.74484	0.919881	-0.80971	0.418105	0.854602	ENSMUSG0Hmgb1-ps2
ENSMUSG0	330.6956	-0.24353	0.300833	-0.80951	0.41822	0.854747	ENSMUSG05530601H0
ENSMUSG0	989.7365	-0.21017	0.259675	-0.80934	0.41832	0.854785	ENSMUSG0 Slc30a7

ENSMUSG0	227.6496	-0.12908	0.159496	-0.80933	0.418327	0.854785	ENSMUSG0 Gm15446
ENSMUSG0	224.3953	0.227974	0.281784	0.80904	0.418492	0.854798	ENSMUSG0 Zfp84
ENSMUSG0	24.70222	0.37059	0.458064	0.809035	0.418495	0.854798	ENSMUSG0 Lsmem1
ENSMUSG0	464.6394	-0.1541	0.190478	-0.80903	0.418498	0.854798	ENSMUSG0 Depdc5
ENSMUSG0	123.4794	-0.21681	0.267992	-0.809	0.418513	0.854798	ENSMUSG0 Rbp7
ENSMUSG0	4.882941	0.689756	0.852678	0.808929	0.418556	0.854798	ENSMUSG0 Lilra6
ENSMUSG0	73.76255	-0.28921	0.357569	-0.80882	0.418616	0.854831	ENSMUSG0 4930451G0
ENSMUSG0	47.67326	0.451678	0.558628	0.808548	0.418775	0.854982	ENSMUSG0 Alb
ENSMUSG0	18.57189	0.342311	0.423409	0.808465	0.418823	0.854982	ENSMUSG0 Cfp52
ENSMUSG0	35.47625	-0.30739	0.380213	-0.80846	0.418824	0.854982	ENSMUSG0 9330159M0
ENSMUSG0	453.2999	0.414542	0.512951	0.80815	0.419004	0.855161	ENSMUSG0 Spib
ENSMUSG0	765.7687	0.103384	0.127929	0.80814	0.41901	0.855161	ENSMUSG0 Nck1
ENSMUSG0	191.9956	0.246271	0.30476	0.808079	0.419045	0.855161	ENSMUSG0 Gm50387
ENSMUSG0	576.3933	-0.2023	0.250424	-0.80783	0.419188	0.855363	ENSMUSG0 Lad1
ENSMUSG0	590.6193	0.150396	0.186199	0.807715	0.419255	0.855399	ENSMUSG0 Zfp513
ENSMUSG0	1865.667	-0.30758	0.380838	-0.80765	0.419295	0.855399	ENSMUSG0 Ndufa4
ENSMUSG0	3.145991	0.78934	0.977537	0.807478	0.419391	0.855451	ENSMUSG0 Tmprss13
ENSMUSG0	6.593278	0.480936	0.595626	0.807446	0.419409	0.855451	ENSMUSG0 Xkr5
ENSMUSG0	1063.808	0.156656	0.194072	0.807203	0.419549	0.855503	ENSMUSG0 Celf2
ENSMUSG0	538.7809	0.194865	0.241465	0.807008	0.419662	0.855503	ENSMUSG0 Prkci
ENSMUSG0	30.3183	-0.44333	0.549354	-0.807	0.419666	0.855503	ENSMUSG0 Lncpint
ENSMUSG0	20052.02	0.314181	0.389337	0.806963	0.419688	0.855503	ENSMUSG0 Cd74
ENSMUSG0	6.006466	-0.67806	0.84028	-0.80695	0.419696	0.855503	ENSMUSG0 1700102H2
ENSMUSG0	43.74098	-0.37809	0.468551	-0.80694	0.419702	0.855503	ENSMUSG0 Xlr4a
ENSMUSG0	1012.487	0.211725	0.262411	0.806847	0.419755	0.85552	ENSMUSG0 Spon2
ENSMUSG0	856.6101	0.155456	0.192728	0.806606	0.419893	0.855712	ENSMUSG0 Fam149a
ENSMUSG0	673.7992	0.169866	0.210661	0.806346	0.420043	0.855924	ENSMUSG0 Map4k5
ENSMUSG0	800.8069	-0.14444	0.179154	-0.80622	0.420117	0.855924	ENSMUSG0 Spg11
ENSMUSG0	83.96837	0.157522	0.19539	0.806194	0.420131	0.855924	ENSMUSG0 Nanos1
ENSMUSG0	20.72454	0.325512	0.403819	0.806085	0.420194	0.855962	ENSMUSG0 Gm19531
ENSMUSG0	92.91342	0.222819	0.276456	0.805985	0.420252	0.855989	ENSMUSG0 Vegfc
ENSMUSG0	1519.024	-0.17358	0.215382	-0.80591	0.420297	0.85599	ENSMUSG0 Tesk1
ENSMUSG0	155.9075	0.313975	0.389636	0.805816	0.420349	0.856006	ENSMUSG0 Ptger4
ENSMUSG0	3.501721	0.940725	1.167544	0.805729	0.420399	0.856017	ENSMUSG0 Gm11532
ENSMUSG0	50.95831	0.201414	0.250022	0.805587	0.420481	0.856017	ENSMUSG0 Exoc3l
ENSMUSG0	386.8072	0.295349	0.366631	0.805575	0.420488	0.856017	ENSMUSG0 Col6a3
ENSMUSG0	3.188676	0.895218	1.111498	0.805416	0.42058	0.856114	ENSMUSG0 Gm38214
ENSMUSG0	1303.114	-0.18258	0.226794	-0.80503	0.420802	0.856475	ENSMUSG0 Cherp
ENSMUSG0	2942.012	-0.11108	0.138033	-0.80473	0.420978	0.856742	ENSMUSG0 Cct4
ENSMUSG0	2551.907	-0.16122	0.200382	-0.80457	0.421065	0.856826	ENSMUSG0 Srrm1
ENSMUSG0	15.14438	-0.51114	0.635384	-0.80446	0.421131	0.856826	ENSMUSG0 Gm39157
ENSMUSG0	276.4354	0.16684	0.207458	0.804208	0.421277	0.856826	ENSMUSG0 Cdk5r1
ENSMUSG0	329.5552	0.371398	0.461841	0.804167	0.421301	0.856826	ENSMUSG0 Ncf1
ENSMUSG0	2252.297	-0.20171	0.250892	-0.80397	0.421417	0.856826	ENSMUSG0 Slc24a2
ENSMUSG0	21.82664	-0.38442	0.478184	-0.80392	0.421443	0.856826	ENSMUSG0 Gm20522
ENSMUSG0	1931.807	-0.22541	0.280428	-0.80381	0.421505	0.856826	ENSMUSG0 Rab24
ENSMUSG0	715.3282	-0.23422	0.291428	-0.8037	0.421573	0.856826	ENSMUSG0 Txnl4a
ENSMUSG0	123.9786	-0.19903	0.247646	-0.80368	0.421584	0.856826	ENSMUSG0 Gm45844
ENSMUSG0	462.9161	0.155177	0.193094	0.803638	0.421606	0.856826	ENSMUSG0 Csf1
ENSMUSG0	1002.574	-0.24165	0.300711	-0.80361	0.421622	0.856826	ENSMUSG0 Ptptrt
ENSMUSG0	378.655	-0.2227	0.277126	-0.80359	0.421635	0.856826	ENSMUSG0 Uvssa
ENSMUSG0	1845.683	0.1298	0.161541	0.80351	0.42168	0.856826	ENSMUSG0 Pitpnm1

ENSMUSG0	452.239	0.12337	0.153551	0.803448	0.421716	0.856826	ENSMUSG0 Zfp639
ENSMUSG0	599.3861	-0.12294	0.153028	-0.80338	0.421754	0.856826	ENSMUSG0 Cyp20a1
ENSMUSG0	552.5395	-0.12148	0.151219	-0.80335	0.421773	0.856826	ENSMUSG0 Heatr3
ENSMUSG0	858.1677	-0.13277	0.165276	-0.80334	0.421776	0.856826	ENSMUSG0 Fam160b1
ENSMUSG0	761.3119	-0.10743	0.13374	-0.80326	0.421823	0.85683	ENSMUSG0 Thoc5
ENSMUSG0	1706.34	-0.15885	0.197819	-0.80303	0.42196	0.857019	ENSMUSG0 Bccip
ENSMUSG0	2729.265	0.139375	0.173586	0.802915	0.422024	0.857058	ENSMUSG0 Slc30a9
ENSMUSG0	11.2723	0.373986	0.465897	0.802722	0.422136	0.857194	ENSMUSG0 Gm13562
ENSMUSG0	2530.653	0.140149	0.174619	0.802599	0.422206	0.857212	ENSMUSG0 Ctsz
ENSMUSG0	364.1711	-0.21893	0.272818	-0.80249	0.422272	0.857212	ENSMUSG0 Cd164l2
ENSMUSG0	661.2041	-0.09819	0.122356	-0.80248	0.422278	0.857212	ENSMUSG0 Timm44
ENSMUSG0	1727.527	0.151603	0.188937	0.802398	0.422323	0.857213	ENSMUSG0 Supt16
ENSMUSG0	465.5631	-0.16386	0.204252	-0.80226	0.422401	0.85728	ENSMUSG0 Hdac10
ENSMUSG0	173.6054	0.189537	0.236301	0.802098	0.422496	0.857304	ENSMUSG0 Cnrip1
ENSMUSG0	1622.035	-0.12993	0.161996	-0.80209	0.422502	0.857304	ENSMUSG0 Lemd2
ENSMUSG0	26245.08	0.166518	0.207682	0.801794	0.422672	0.857393	ENSMUSG0 Pdia3
ENSMUSG0	628.6707	-0.14185	0.176926	-0.80176	0.42269	0.857393	ENSMUSG0 Ccdc184
ENSMUSG0	801.6826	-0.25663	0.320188	-0.80149	0.422846	0.857393	ENSMUSG0 Hivep2
ENSMUSG0	705.5021	0.234434	0.292499	0.801486	0.42285	0.857393	ENSMUSG0 Lpin2
ENSMUSG0	269.616	-0.64452	0.804168	-0.80147	0.422859	0.857393	ENSMUSG0 Ifi27l2a
ENSMUSG0	14.22846	-0.49339	0.615613	-0.80146	0.422868	0.857393	ENSMUSG0 Gm37200
ENSMUSG0	359.403	0.125385	0.156469	0.801342	0.422934	0.857393	ENSMUSG0 Ttl
ENSMUSG0	1316.049	-0.08988	0.112207	-0.80107	0.423094	0.857393	ENSMUSG0 Men1
ENSMUSG0	27.01589	-0.29128	0.363634	-0.80104	0.423109	0.857393	ENSMUSG0 Npff
ENSMUSG0	384.0747	0.307546	0.383962	0.800982	0.423142	0.857393	ENSMUSG0 Smim6
ENSMUSG0	290.0906	-0.16981	0.212022	-0.80092	0.423179	0.857393	ENSMUSG0 Zfp61
ENSMUSG0	152.9946	-0.20229	0.252571	-0.80092	0.423179	0.857393	ENSMUSG0 Tefm
ENSMUSG0	925.1318	0.607152	0.758166	0.800817	0.423238	0.857393	ENSMUSG0 Lsp1
ENSMUSG0	5307.756	-0.18402	0.229797	-0.80081	0.423241	0.857393	ENSMUSG0 Ssr4
ENSMUSG0	354.4845	-0.28452	0.355298	-0.8008	0.423248	0.857393	ENSMUSG0 Otulinl
ENSMUSG0	184.5488	1.166056	1.456172	0.800768	0.423266	0.857393	ENSMUSG0 Gm7334
ENSMUSG0	567.5425	0.13801	0.172363	0.800693	0.42331	0.857393	ENSMUSG0 Zfp276
ENSMUSG0	4282.87	-0.13627	0.170215	-0.80058	0.423377	0.857393	ENSMUSG0 Fam20c
ENSMUSG0	1524.226	-0.20745	0.259138	-0.80055	0.423393	0.857393	ENSMUSG0 Gatd1
ENSMUSG0	61.0846	0.297773	0.372036	0.800389	0.423486	0.857491	ENSMUSG0 Lair1
ENSMUSG0	1286.209	-0.21014	0.26264	-0.80009	0.423659	0.857743	ENSMUSG0 Snf8
ENSMUSG0	3665.039	-0.10781	0.134754	-0.80002	0.4237	0.857743	ENSMUSG0 Araf
ENSMUSG0	123.8588	0.309362	0.386752	0.799899	0.423769	0.857743	ENSMUSG0 Rnf144a
ENSMUSG0	7.63668	-0.53786	0.672459	-0.79984	0.423801	0.857743	ENSMUSG0 Gm19325
ENSMUSG0	2052.861	-0.10235	0.127997	-0.79962	0.423933	0.857743	ENSMUSG0 Dld
ENSMUSG0	4.116214	-0.68576	0.857625	-0.7996	0.42394	0.857743	ENSMUSG0 Gm6789
ENSMUSG0	95.85777	0.428001	0.535267	0.799604	0.42394	0.857743	ENSMUSG0 Pcdhgb7
ENSMUSG0	29.02617	-0.28341	0.354465	-0.79953	0.423983	0.857743	ENSMUSG0 Gab3
ENSMUSG0	1032.443	1.163948	1.455977	0.799427	0.424043	0.857743	ENSMUSG0 Ccl21a
ENSMUSG0	1871.165	-0.24071	0.301115	-0.7994	0.42406	0.857743	ENSMUSG0 Braf
ENSMUSG0	2404.507	-0.16455	0.205906	-0.79914	0.424206	0.857743	ENSMUSG0 Inpp4a
ENSMUSG0	170.6126	0.174563	0.218444	0.799122	0.42422	0.857743	ENSMUSG0 Arl16
ENSMUSG0	15.92261	-0.37883	0.474058	-0.79911	0.424225	0.857743	ENSMUSG0 Gm30239
ENSMUSG0	503.476	-0.1129	0.141288	-0.7991	0.424234	0.857743	ENSMUSG0 Chmp6
ENSMUSG0	91.47679	-0.26512	0.331814	-0.799	0.424292	0.857769	ENSMUSG0 1700086OC
ENSMUSG0	530.0742	-0.1335	0.167169	-0.79859	0.424525	0.858151	ENSMUSG0 Prkx
ENSMUSG0	435.5597	0.330302	0.413645	0.798515	0.424572	0.858155	ENSMUSG0 Pfkfb3

ENSMUSG0	302.5642	0.119078	0.149141	0.79843	0.424621	0.858165	ENSMUSG0 Ntn4
ENSMUSG0	1046.391	-0.21209	0.265674	-0.79829	0.4247	0.858234	ENSMUSG0 Togaram1
ENSMUSG0	49.35276	0.283307	0.354983	0.798087	0.42482	0.858309	ENSMUSG0 Gm49864
ENSMUSG0	19.77576	-0.40673	0.509671	-0.79802	0.424861	0.858309	ENSMUSG0 Gm15666
ENSMUSG0	144.9938	0.325292	0.407702	0.797868	0.424947	0.858309	ENSMUSG0 Kihl11
ENSMUSG0	3.02857	-0.77626	0.972924	-0.79786	0.424952	0.858309	ENSMUSG0A730091E2
ENSMUSG0	396.1304	0.150402	0.18851	0.797845	0.42496	0.858309	ENSMUSG0 Akr1b10
ENSMUSG0	465.9375	-0.19294	0.241957	-0.79741	0.425212	0.858588	ENSMUSG0 Ikbke
ENSMUSG0	870.3733	-0.17116	0.214663	-0.79734	0.425256	0.858588	ENSMUSG0 Tysnd1
ENSMUSG0	1628.447	-0.16581	0.207966	-0.79727	0.425294	0.858588	ENSMUSG0 Psmb3
ENSMUSG0	48.1608	-0.62754	0.787344	-0.79704	0.425429	0.858588	ENSMUSG0 Tph1
ENSMUSG0	9.208497	-0.65683	0.824088	-0.79704	0.42543	0.858588	ENSMUSG0 Gm10036
ENSMUSG0	33.21628	0.309985	0.388952	0.796973	0.425467	0.858588	ENSMUSG0 Sapcd2
ENSMUSG0	24.95252	-0.35725	0.448269	-0.79695	0.425478	0.858588	ENSMUSG0A830019P0
ENSMUSG0	2493.399	-0.12165	0.152649	-0.79692	0.425495	0.858588	ENSMUSG0Tmem250-i
ENSMUSG0	381.8831	-0.12364	0.155165	-0.79685	0.425535	0.858588	ENSMUSG0 Acot8
ENSMUSG0	1118.153	-0.19034	0.238918	-0.79669	0.425629	0.858588	ENSMUSG0 Adck2
ENSMUSG0	4.667111	0.75508	0.947801	0.796666	0.425645	0.858588	ENSMUSG0 Uba52-ps
ENSMUSG0	6.207484	-0.4936	0.619613	-0.79663	0.425667	0.858588	ENSMUSG0 Gm44550
ENSMUSG0	35.93103	1.124922	1.412139	0.796608	0.425678	0.858588	ENSMUSG0 Gm28036
ENSMUSG0	8.32725	-0.67243	0.844262	-0.79648	0.425755	0.858622	ENSMUSG0 Ip6k3
ENSMUSG0	1704.467	-0.19287	0.242183	-0.79637	0.425817	0.858622	ENSMUSG0 Ndufa11
ENSMUSG0	896.8601	0.124659	0.156538	0.796348	0.42583	0.858622	ENSMUSG0 Zmat3
ENSMUSG0	3.212226	0.751451	0.943822	0.796179	0.425928	0.858668	ENSMUSG0 Gm4654
ENSMUSG0	93.85991	0.249361	0.313236	0.796079	0.425986	0.858668	ENSMUSG0 Gm21781
ENSMUSG0	3.024689	-0.81337	1.02173	-0.79607	0.425989	0.858668	ENSMUSG0 Gm47580
ENSMUSG0	2571.588	-0.31066	0.390343	-0.79586	0.426116	0.858668	ENSMUSG0 Sem1
ENSMUSG0	4.874655	0.541078	0.679877	0.795847	0.426121	0.858668	ENSMUSG0 Tal2
ENSMUSG0	89.23446	0.426189	0.535529	0.795828	0.426132	0.858668	ENSMUSG0 Ackr1
ENSMUSG0	14.43444	-0.45966	0.577625	-0.79577	0.426165	0.858668	ENSMUSG0 Gm48562
ENSMUSG0	10.43598	0.412321	0.518393	0.795383	0.426391	0.858956	ENSMUSG0 Dpep2
ENSMUSG0	649.0436	-0.14863	0.186871	-0.79537	0.426397	0.858956	ENSMUSG0 Mppe1
ENSMUSG0	802.1869	-0.25039	0.314877	-0.79521	0.42649	0.858985	ENSMUSG0 Tep1
ENSMUSG0	1710.154	-0.18085	0.22743	-0.79519	0.426501	0.858985	ENSMUSG0 Aldh7a1
ENSMUSG0	21.27738	-0.40672	0.511681	-0.79487	0.426691	0.859278	ENSMUSG06430573P0
ENSMUSG0	24.08953	0.477077	0.600368	0.794641	0.426822	0.859368	ENSMUSG0 Rbpms2
ENSMUSG0	668.0191	0.213215	0.268376	0.794462	0.426926	0.859368	ENSMUSG0 Micall1
ENSMUSG0	311.8377	-0.21469	0.270237	-0.79444	0.426941	0.859368	ENSMUSG0 Arhgef19
ENSMUSG0	427.539	0.136384	0.171679	0.794415	0.426954	0.859368	ENSMUSG0 Dmap1
ENSMUSG0	1461.632	-0.14367	0.180856	-0.79441	0.426959	0.859368	ENSMUSG0 Mvb12a
ENSMUSG0	49.70981	-1.15932	1.460361	-0.79386	0.427276	0.859917	ENSMUSG0 Gkn3
ENSMUSG0	17.18111	0.64198	0.808906	0.793639	0.427406	0.860087	ENSMUSG0 Osr1
ENSMUSG0	16.99051	0.380157	0.479262	0.793212	0.427654	0.860363	ENSMUSG0 Gm15912
ENSMUSG0	1287.567	-0.18967	0.239121	-0.79319	0.427666	0.860363	ENSMUSG0 Ankrd44
ENSMUSG0	1361.27	-0.17666	0.222755	-0.79308	0.42773	0.860363	ENSMUSG0 Anapc16
ENSMUSG0	22.44305	-0.27173	0.342648	-0.79304	0.427756	0.860363	ENSMUSG0 Gm10645
ENSMUSG0	10.6104	-0.383	0.483074	-0.79285	0.427866	0.860363	ENSMUSG0C530044C1
ENSMUSG0	4261.395	-0.26292	0.331633	-0.79279	0.4279	0.860363	ENSMUSG0 Fkbp2
ENSMUSG0	5.401267	-0.62811	0.792294	-0.79278	0.427907	0.860363	ENSMUSG0 Gm44044
ENSMUSG0	148.3475	0.138434	0.174622	0.792761	0.427917	0.860363	ENSMUSG0 Mettl2
ENSMUSG0	340.3217	0.193915	0.244651	0.792618	0.428	0.860363	ENSMUSG0 Ccdc32
ENSMUSG0	5.83831	0.627878	0.792337	0.792439	0.428105	0.860363	ENSMUSG0 Skint3

ENSMUSG0	903.0338	-0.15365	0.193903	-0.79239	0.428136	0.860363	ENSMUSG0 Aarsd1
ENSMUSG0	703.0455	-0.18734	0.236466	-0.79224	0.428221	0.860363	ENSMUSG0 Snx25
ENSMUSG0	1269.437	0.154325	0.194808	0.792189	0.428251	0.860363	ENSMUSG0 Mapk9
ENSMUSG0	2565.545	0.20045	0.253051	0.792133	0.428283	0.860363	ENSMUSG0 Mbnl1
ENSMUSG0	4.469957	0.714279	0.901741	0.792111	0.428296	0.860363	ENSMUSG0 Gm30124
ENSMUSG0	139.1784	0.3391	0.428286	0.79176	0.4285	0.860363	ENSMUSG0 Zcchc24
ENSMUSG0	495.7102	0.118672	0.149885	0.791752	0.428505	0.860363	ENSMUSG0 Shroom2
ENSMUSG0	11.79571	1.088976	1.37543	0.791735	0.428515	0.860363	ENSMUSG0 Ighv5-16
ENSMUSG0	2861.729	-0.17667	0.223152	-0.79172	0.428522	0.860363	ENSMUSG0 Slc38a2
ENSMUSG0	587.9225	0.221581	0.279891	0.79167	0.428553	0.860363	ENSMUSG0 Sbno2
ENSMUSG0	320.7183	0.238868	0.301789	0.791509	0.428647	0.860363	ENSMUSG0 Zfp2
ENSMUSG0	4.137512	-0.64218	0.81142	-0.79143	0.428691	0.860363	ENSMUSG0 Cd63-ps
ENSMUSG0	513.7139	0.125371	0.158414	0.791414	0.428703	0.860363	ENSMUSG0 Dtd1
ENSMUSG0	25.91411	0.435511	0.550524	0.791085	0.428894	0.860363	ENSMUSG0 Edn2
ENSMUSG0	55.53084	0.282772	0.357456	0.791068	0.428904	0.860363	ENSMUSG0 Fgf14
ENSMUSG0	35.33608	-0.4543	0.574332	-0.791	0.428944	0.860363	ENSMUSG0 Gm15972
ENSMUSG0	553.7154	-0.14499	0.183317	-0.79093	0.428982	0.860363	ENSMUSG0 Mtmr10
ENSMUSG0	1546.543	-0.2105	0.266177	-0.79082	0.42905	0.860363	ENSMUSG0 Prdx4
ENSMUSG0	706.6367	0.159352	0.201507	0.790802	0.429059	0.860363	ENSMUSG0 Nudt9
ENSMUSG0	37.48285	-0.36422	0.460575	-0.79079	0.429066	0.860363	ENSMUSG0 Gm19409
ENSMUSG0	728.7995	0.165082	0.208757	0.790785	0.429069	0.860363	ENSMUSG0 Polr1a
ENSMUSG0	370.916	0.127244	0.160945	0.790607	0.429173	0.860363	ENSMUSG0 Ino80c
ENSMUSG0	74.66635	-0.29132	0.368494	-0.79056	0.429202	0.860363	ENSMUSG00610009E0
ENSMUSG0	316.8051	-0.16493	0.208672	-0.79038	0.429308	0.860363	ENSMUSG0 Fbxo16
ENSMUSG0	12.44557	-0.44208	0.559425	-0.79025	0.429383	0.860363	ENSMUSG0 Dmrta2
ENSMUSG0	184.3051	-0.28081	0.355377	-0.79018	0.429424	0.860363	ENSMUSG0 Cdkn2b
ENSMUSG0	1418.355	-0.18515	0.234331	-0.79012	0.42946	0.860363	ENSMUSG0 Ndufs8
ENSMUSG0	800.1373	-0.11071	0.140132	-0.79001	0.429522	0.860363	ENSMUSG0 Ints7
ENSMUSG0	14.83721	-0.33479	0.4238	-0.78996	0.42955	0.860363	ENSMUSG0D930007J0
ENSMUSG0	67.67263	0.31547	0.399378	0.789904	0.429584	0.860363	ENSMUSG0 Gm43481
ENSMUSG0	62.62421	0.25259	0.319778	0.789891	0.429591	0.860363	ENSMUSG0 Gm42887
ENSMUSG0	472.0401	0.177161	0.224286	0.78989	0.429592	0.860363	ENSMUSG0 Dnase2a
ENSMUSG0	1675.991	-0.16665	0.210995	-0.78983	0.429629	0.860363	ENSMUSG0 Spg7
ENSMUSG0	2187.791	-0.24126	0.305466	-0.78982	0.429631	0.860363	ENSMUSG0 Mbnl2
ENSMUSG0	4.728513	-0.71119	0.900451	-0.78982	0.429635	0.860363	ENSMUSG0 Spag6
ENSMUSG0	4917.181	-0.09545	0.120855	-0.7898	0.429645	0.860363	ENSMUSG0 Ip6k1
ENSMUSG0	86.27236	-0.21808	0.276205	-0.78955	0.429791	0.860566	ENSMUSG0 Zfp825
ENSMUSG0	987.481	0.239036	0.302824	0.789355	0.429904	0.86066	ENSMUSG0 Nup153
ENSMUSG0	17.07693	0.430486	0.545391	0.789316	0.429928	0.86066	ENSMUSG0 Gm44777
ENSMUSG0	94.06113	0.367909	0.466222	0.789128	0.430037	0.860791	ENSMUSG0 Tmem119
ENSMUSG0	671.4667	-0.15869	0.201134	-0.78897	0.430131	0.860888	ENSMUSG0 Smarcd1
ENSMUSG0	5468.167	0.261212	0.331121	0.788872	0.430187	0.86091	ENSMUSG0 Ndufs2
ENSMUSG0	6.341871	-0.5404	0.685202	-0.78867	0.430306	0.861002	ENSMUSG0Selenok-ps
ENSMUSG0	209.4557	0.254687	0.322965	0.788591	0.430351	0.861002	ENSMUSG0 Sema3g
ENSMUSG0	2530.704	-0.19617	0.248773	-0.78855	0.430373	0.861002	ENSMUSG0 Pcbd1
ENSMUSG0	90.31442	-0.21332	0.270545	-0.78849	0.430412	0.861002	ENSMUSG0 Zfp995
ENSMUSG0	134.4625	-0.29313	0.371854	-0.78828	0.430533	0.861155	ENSMUSG0 Kirrel2
ENSMUSG0	235.7029	0.308304	0.39119	0.788119	0.430627	0.861169	ENSMUSG0 Habp2
ENSMUSG0	4.210052	-0.59178	0.75092	-0.78808	0.430651	0.861169	ENSMUSG0 Gm14049
ENSMUSG0	144.1197	-0.20528	0.260512	-0.78799	0.4307	0.861169	ENSMUSG0 Ndufaf2
ENSMUSG0	3063.331	-0.12688	0.161022	-0.78796	0.430719	0.861169	ENSMUSG0 Golph3
ENSMUSG0	239.869	0.286183	0.363309	0.78771	0.430866	0.861182	ENSMUSG0 Sumf2

ENSMUSG0	3.429723	-0.79237	1.005954	-0.78768	0.430882	0.861182	ENSMUSG0 Gm9929
ENSMUSG0	268.1053	-0.11646	0.147852	-0.78766	0.430897	0.861182	ENSMUSG0 Cyb5d2
ENSMUSG0	404.5699	-0.13924	0.176786	-0.78762	0.430917	0.861182	ENSMUSG0 Tmco6
ENSMUSG0	6.123887	0.523761	0.665036	0.787568	0.430949	0.861182	ENSMUSG06330537M0
ENSMUSG0	5.736545	0.527822	0.670338	0.787397	0.43105	0.861294	ENSMUSG04930448E2
ENSMUSG0	2024.942	-0.0946	0.120157	-0.78728	0.431115	0.861335	ENSMUSG0 Dnaja2
ENSMUSG0	511.6711	-0.18094	0.22993	-0.78693	0.43132	0.861513	ENSMUSG0 Sox13
ENSMUSG0	1944.177	-0.16095	0.20454	-0.7869	0.431342	0.861513	ENSMUSG0 Rpl15-ps3
ENSMUSG0	3.018422	-0.70936	0.901531	-0.78684	0.431375	0.861513	ENSMUSG0A530095107
ENSMUSG0	256.2031	-0.23369	0.297006	-0.78683	0.431383	0.861513	ENSMUSG0 Zfp758
ENSMUSG0	828.3196	-0.14118	0.179459	-0.78669	0.431466	0.861562	ENSMUSG0 Atxn2
ENSMUSG0	585.6724	0.22671	0.288203	0.786631	0.431498	0.861562	ENSMUSG0 Asap1
ENSMUSG0	3.731752	-0.76885	0.977756	-0.78634	0.431667	0.86165	ENSMUSG0 Gm10655
ENSMUSG0	13.86023	-0.3997	0.508355	-0.78627	0.431708	0.86165	ENSMUSG0 Gm45151
ENSMUSG0	256.1707	0.274515	0.34915	0.786239	0.431728	0.86165	ENSMUSG0 Kitl
ENSMUSG0	92.9543	0.746595	0.949654	0.786175	0.431765	0.86165	ENSMUSG0 Pdgfra
ENSMUSG0	13.66245	-0.43416	0.552241	-0.78617	0.431766	0.86165	ENSMUSG0 Gm28455
ENSMUSG0	395.1166	-0.11227	0.142832	-0.78604	0.431846	0.861662	ENSMUSG0 Zfp932
ENSMUSG0	1256.436	-0.21831	0.277742	-0.786	0.431867	0.861662	ENSMUSG0 C1galt1c1
ENSMUSG0	859.5477	-0.17786	0.226304	-0.78593	0.431906	0.861662	ENSMUSG0 Carm1
ENSMUSG0	3.839457	0.987377	1.256621	0.785739	0.43202	0.861754	ENSMUSG0 Gm43312
ENSMUSG0	553.3049	0.125844	0.160175	0.785663	0.432065	0.861754	ENSMUSG0 Osbpl1a
ENSMUSG0	9.369467	0.42104	0.535952	0.785594	0.432106	0.861754	ENSMUSG0 Lpar4
ENSMUSG0	228.3561	0.183257	0.233285	0.785549	0.432132	0.861754	ENSMUSG0 Pop4
ENSMUSG0	226.8936	0.338979	0.43174	0.785146	0.432368	0.862137	ENSMUSG0 Lcor
ENSMUSG0	220.3025	0.187111	0.238428	0.78477	0.432588	0.862189	ENSMUSG0 Dsel
ENSMUSG0	6.824585	0.596663	0.760323	0.78475	0.4326	0.862189	ENSMUSG0 Ntf5
ENSMUSG0	1989.055	-0.13741	0.175102	-0.78475	0.432603	0.862189	ENSMUSG0 Ypel3
ENSMUSG0	270.2221	-0.21463	0.273509	-0.78472	0.432615	0.862189	ENSMUSG0 Scnn1g
ENSMUSG0	146.1306	0.179826	0.229173	0.784677	0.432643	0.862189	ENSMUSG0 Aste1
ENSMUSG0	8.120652	0.454154	0.578952	0.784441	0.432782	0.862189	ENSMUSG0A930033H1
ENSMUSG0	30.94395	-0.59306	0.756068	-0.7844	0.432804	0.862189	ENSMUSG0 Tdh
ENSMUSG0	81.21414	0.251884	0.321183	0.78424	0.432899	0.862189	ENSMUSG0B130055M0
ENSMUSG0	6.843695	0.45478	0.579969	0.784146	0.432955	0.862189	ENSMUSG04933406118
ENSMUSG0	85.89883	-0.23028	0.293678	-0.78414	0.432957	0.862189	ENSMUSG0 Serf1
ENSMUSG0	287.1708	-0.13435	0.17134	-0.78411	0.432978	0.862189	ENSMUSG0 Kcnd1
ENSMUSG0	593.147	-0.13889	0.17713	-0.7841	0.432982	0.862189	ENSMUSG0 Fpgs
ENSMUSG0	231.1738	-0.19947	0.254404	-0.78408	0.432991	0.862189	ENSMUSG0 Mthfsl
ENSMUSG0	6.638224	-0.54329	0.693085	-0.78388	0.433112	0.862189	ENSMUSG0 Gm45426
ENSMUSG0	8.42401	0.425713	0.543088	0.783875	0.433113	0.862189	ENSMUSG0 Hpx
ENSMUSG0	769.857	-0.10753	0.137184	-0.78385	0.43313	0.862189	ENSMUSG0 Emc3
ENSMUSG0	8.856434	-0.8044	1.02628	-0.7838	0.433156	0.862189	ENSMUSG0 Igkv3-10
ENSMUSG0	169.5563	0.15843	0.202156	0.783701	0.433215	0.862217	ENSMUSG0 Fbxl8
ENSMUSG0	328.2501	0.14618	0.186569	0.78352	0.433322	0.86226	ENSMUSG0 St3gal6
ENSMUSG0	68.52128	0.212648	0.271423	0.783455	0.43336	0.86226	ENSMUSG0 Atoh8
ENSMUSG0	583.941	0.139629	0.178226	0.783436	0.433371	0.86226	ENSMUSG0 Mtmr12
ENSMUSG0	561.3488	0.186592	0.238218	0.78328	0.433463	0.86226	ENSMUSG0 Wdyhv1
ENSMUSG0	719.4796	-0.20917	0.267165	-0.78294	0.433664	0.86226	ENSMUSG0 Pfdn1
ENSMUSG0	2593.418	0.188244	0.240444	0.7829	0.433686	0.86226	ENSMUSG0 Cnot1
ENSMUSG0	276.7377	0.195136	0.249296	0.782748	0.433775	0.86226	ENSMUSG0 Dnajc17
ENSMUSG0	338.046	-0.12531	0.160091	-0.78273	0.433788	0.86226	ENSMUSG0 Prmt6
ENSMUSG0	157.1388	0.706936	0.90319	0.78271	0.433798	0.86226	ENSMUSG0 Dnase1l3

ENSMUSG0	1366.275	-0.1541	0.196914	-0.78256	0.433886	0.86226	ENSMUSG0	Crtc1
ENSMUSG0	3.587634	-0.81523	1.041786	-0.78253	0.433904	0.86226	ENSMUSG0	Gm17082
ENSMUSG0	7.923745	0.620169	0.792614	0.782436	0.433959	0.86226	ENSMUSG0	Fbxw15
ENSMUSG0	3.159476	-0.83873	1.072361	-0.78213	0.434138	0.86226	ENSMUSG0	Gm38352
ENSMUSG0	51.98493	0.411999	0.526774	0.782117	0.434146	0.86226	ENSMUSG0	Gm16011
ENSMUSG0	162.2317	-0.15477	0.197931	-0.78192	0.43426	0.86226	ENSMUSG0	1700052K1
ENSMUSG0	747.7867	0.182843	0.233841	0.781908	0.434268	0.86226	ENSMUSG0	Asl
ENSMUSG0	1090.597	0.124703	0.159499	0.781842	0.434308	0.86226	ENSMUSG0	Tmem9
ENSMUSG0	150.5507	-0.22352	0.285902	-0.7818	0.434331	0.86226	ENSMUSG0	Kcnb2
ENSMUSG0	3.891432	-0.79483	1.016711	-0.78177	0.43435	0.86226	ENSMUSG0	Tmem238l
ENSMUSG0	373.07	0.133859	0.171236	0.781723	0.434377	0.86226	ENSMUSG0	Pdhx
ENSMUSG0	2.934161	-0.82255	1.052278	-0.78169	0.434398	0.86226	ENSMUSG0	Gm26520
ENSMUSG0	416.7097	0.161765	0.206949	0.781669	0.434409	0.86226	ENSMUSG0	Bnip2
ENSMUSG0	679.9379	0.163821	0.209613	0.781538	0.434486	0.86226	ENSMUSG0	Clcn5
ENSMUSG0	3.026852	0.729937	0.934132	0.781407	0.434563	0.86226	ENSMUSG0	H1f5
ENSMUSG0	367.5528	0.189597	0.242645	0.781376	0.434581	0.86226	ENSMUSG0	Nif3l1
ENSMUSG0	693.0635	0.145326	0.185997	0.781337	0.434604	0.86226	ENSMUSG0	Ankrd28
ENSMUSG0	4.761368	-0.69334	0.887425	-0.78129	0.434632	0.86226	ENSMUSG0	Gm44144
ENSMUSG0	27.25505	0.273524	0.350097	0.781281	0.434637	0.86226	ENSMUSG0	Gm31518
ENSMUSG0	3.831985	-0.72176	0.923889	-0.78122	0.43467	0.86226	ENSMUSG0	Pabpn1l
ENSMUSG0	4.248494	0.676675	0.866316	0.781095	0.434747	0.86226	ENSMUSG0	Gm36899
ENSMUSG0	1039.044	-0.12421	0.15903	-0.78106	0.434768	0.86226	ENSMUSG0	Irf3
ENSMUSG0	317.8912	0.189997	0.243309	0.780885	0.43487	0.86226	ENSMUSG0	Pole4
ENSMUSG0	39.4681	0.300669	0.385047	0.780864	0.434883	0.86226	ENSMUSG0	Gm49708
ENSMUSG0	466.8588	-0.18414	0.23583	-0.78081	0.434912	0.86226	ENSMUSG0	Slc7a6
ENSMUSG0	34.80225	0.500179	0.640636	0.780753	0.434948	0.86226	ENSMUSG0	Gm47260
ENSMUSG0	117.9786	0.23873	0.305771	0.780746	0.434952	0.86226	ENSMUSG0	Bend4
ENSMUSG0	4.354999	0.586115	0.750751	0.780704	0.434976	0.86226	ENSMUSG0	Icam4
ENSMUSG0	122.6249	0.206161	0.264071	0.780702	0.434978	0.86226	ENSMUSG0	Prc1
ENSMUSG0	565.8917	-0.1414	0.181117	-0.78069	0.434985	0.86226	ENSMUSG0	D230025D1
ENSMUSG0	2045.812	-0.26519	0.339736	-0.78057	0.435054	0.862289	ENSMUSG0	Cuta
ENSMUSG0	272.1295	-0.36567	0.468495	-0.78051	0.43509	0.862289	ENSMUSG0	Entpd1
ENSMUSG0	8.006954	0.482695	0.618494	0.780436	0.435134	0.862289	ENSMUSG0	Gm48701
ENSMUSG0	150.2877	0.308218	0.395136	0.780031	0.435373	0.862486	ENSMUSG0	Xylt1
ENSMUSG0	1181.829	0.128279	0.164455	0.780022	0.435378	0.862486	ENSMUSG0	Casc3
ENSMUSG0	455.8893	-0.12445	0.159569	-0.77994	0.435425	0.862486	ENSMUSG0	Kbtbd4
ENSMUSG0	10.51613	0.403132	0.516928	0.779862	0.435472	0.862486	ENSMUSG0	Depdc1b
ENSMUSG0	357.3607	0.164168	0.210539	0.779754	0.435536	0.862486	ENSMUSG0	Prmt3
ENSMUSG0	16.53221	-0.38018	0.487564	-0.77975	0.43554	0.862486	ENSMUSG0	Gm9887
ENSMUSG0	16.78695	0.44277	0.567887	0.779681	0.435579	0.862486	ENSMUSG0	Gm45110
ENSMUSG0	753.0002	0.184535	0.236688	0.779658	0.435592	0.862486	ENSMUSG0	Plbd2
ENSMUSG0	17.49888	0.741399	0.951073	0.77954	0.435662	0.862522	ENSMUSG0	Gm49383
ENSMUSG0	354.0664	0.178638	0.229191	0.779427	0.435728	0.862522	ENSMUSG0	Mre11a
ENSMUSG0	372.7054	0.178501	0.229039	0.779345	0.435776	0.862522	ENSMUSG0	Slx4
ENSMUSG0	23.72805	0.467282	0.599751	0.779127	0.435905	0.862522	ENSMUSG0	Pipox
ENSMUSG0	691.5718	-0.12198	0.156567	-0.77912	0.435912	0.862522	ENSMUSG0	Micu3
ENSMUSG0	560.0148	-0.15077	0.193514	-0.7791	0.435919	0.862522	ENSMUSG0	Tmem168
ENSMUSG0	1343.498	0.122113	0.156752	0.779019	0.435969	0.862522	ENSMUSG0	BC005624
ENSMUSG0	2433.323	-0.18301	0.234927	-0.77902	0.435969	0.862522	ENSMUSG0	Hmgcr
ENSMUSG0	254.7219	0.161931	0.20792	0.778817	0.436087	0.862667	ENSMUSG0	Slc35e3
ENSMUSG0	536.3044	-0.15787	0.202757	-0.77863	0.4362	0.862799	ENSMUSG0	Rrnad1
ENSMUSG0	316.0499	-0.31212	0.400903	-0.77855	0.436243	0.862799	ENSMUSG0	Exph5

ENSMUSG0	40.52123	0.870875	1.118697	0.778472	0.436291	0.862803	ENSMUSG0	Ctla4
ENSMUSG0	30.47807	0.44105	0.566667	0.778324	0.436378	0.862832	ENSMUSG0	Gm9917
ENSMUSG0	24.41418	-0.32539	0.418103	-0.77825	0.436423	0.862832	ENSMUSG0	Spdya
ENSMUSG0	1247.057	-0.1671	0.214729	-0.77819	0.436456	0.862832	ENSMUSG0	Taf10
ENSMUSG0	1961.219	-0.12828	0.164853	-0.77814	0.436486	0.862832	ENSMUSG0	Zfp664
ENSMUSG0	12.51092	0.372642	0.478933	0.778067	0.43653	0.862832	ENSMUSG0	5730507C0
ENSMUSG0	315.2426	-0.16427	0.211169	-0.7779	0.43663	0.862933	ENSMUSG0	Plekhg5
ENSMUSG0	3.152582	-0.79544	1.022702	-0.77778	0.436698	0.862933	ENSMUSG0	C130040N1
ENSMUSG0	155.0491	-0.41712	0.536396	-0.77763	0.436785	0.862933	ENSMUSG0	Gipc2
ENSMUSG0	692.3313	0.206225	0.265199	0.777625	0.43679	0.862933	ENSMUSG0	Btbd7
ENSMUSG0	13.41899	0.405438	0.521434	0.777545	0.436838	0.862933	ENSMUSG0	Sh2d1b1
ENSMUSG0	151.0911	0.162188	0.208604	0.777489	0.43687	0.862933	ENSMUSG0	Dhfr
ENSMUSG0	1857.384	-0.13842	0.178077	-0.77729	0.43699	0.862933	ENSMUSG0	Lrba
ENSMUSG0	531.8376	-0.12221	0.157232	-0.77726	0.437004	0.862933	ENSMUSG0	Mlst8
ENSMUSG0	2411.487	-0.10164	0.130771	-0.77724	0.437017	0.862933	ENSMUSG0	Wipi2
ENSMUSG0	505.0252	0.167366	0.21534	0.777218	0.43703	0.862933	ENSMUSG0	Dcp2
ENSMUSG0	7.165472	0.552494	0.710955	0.777115	0.437091	0.862933	ENSMUSG0	Fibin
ENSMUSG0	5.380152	0.755492	0.972253	0.777053	0.437127	0.862933	ENSMUSG0	Ccr4
ENSMUSG0	2091.226	-0.20339	0.261772	-0.77699	0.437164	0.862933	ENSMUSG0	Sbno1
ENSMUSG0	12.85061	-0.4586	0.59036	-0.77682	0.437264	0.863042	ENSMUSG0	Gm5129
ENSMUSG0	3.895286	1.018697	1.312049	0.776417	0.437503	0.863375	ENSMUSG0	Sgca
ENSMUSG0	1052.556	-0.10952	0.14107	-0.77632	0.437558	0.863375	ENSMUSG0	Tmem181a
ENSMUSG0	17.79879	0.557636	0.718414	0.776204	0.437629	0.863375	ENSMUSG0	Il1rn
ENSMUSG0	31.82579	-0.24716	0.318439	-0.77617	0.437646	0.863375	ENSMUSG0	Fam72a
ENSMUSG0	29.17684	0.328678	0.423481	0.776133	0.437671	0.863375	ENSMUSG0	Fam166c
ENSMUSG0	490.5545	0.348056	0.44852	0.77601	0.437743	0.863375	ENSMUSG0	Fam120c
ENSMUSG0	12.8915	0.457308	0.589359	0.775942	0.437783	0.863375	ENSMUSG0	4930506C2
ENSMUSG0	16822.95	-0.15136	0.195071	-0.77591	0.437803	0.863375	ENSMUSG0	Rpn2
ENSMUSG0	1014.321	-0.1724	0.222215	-0.77582	0.437856	0.863375	ENSMUSG0	Ubal2
ENSMUSG0	65.70351	-0.31217	0.402393	-0.77578	0.437881	0.863375	ENSMUSG0	Brca2
ENSMUSG0	33.92722	1.594062	2.055221	0.775616	0.437976	0.863438	ENSMUSG0	Ccl21b
ENSMUSG0	3.163422	-0.8386	1.081342	-0.77552	0.438034	0.863438	ENSMUSG0	Gm13187
ENSMUSG0	1818.731	0.132824	0.171312	0.775332	0.438143	0.863438	ENSMUSG0	Cnot10
ENSMUSG0	517.028	0.131256	0.1693	0.775289	0.438169	0.863438	ENSMUSG0	Fbxo10
ENSMUSG0	418.2962	0.158049	0.203868	0.775251	0.438191	0.863438	ENSMUSG0	Uggt2
ENSMUSG0	1800.171	-0.13275	0.171273	-0.77507	0.4383	0.863438	ENSMUSG0	Klhl32
ENSMUSG0	2530.582	-0.12106	0.156194	-0.77505	0.438311	0.863438	ENSMUSG0	Tcea1
ENSMUSG0	690.1299	0.322409	0.415987	0.775045	0.438313	0.863438	ENSMUSG0	Capg
ENSMUSG0	1024.484	0.119805	0.154613	0.774873	0.438415	0.863438	ENSMUSG0	Gpaa1
ENSMUSG0	326.4992	-0.1697	0.219012	-0.77483	0.438438	0.863438	ENSMUSG0	Nudt8
ENSMUSG0	2379.572	-0.163	0.210369	-0.77481	0.438452	0.863438	ENSMUSG0	Bptf
ENSMUSG0	6.385185	-0.53659	0.692722	-0.77461	0.438571	0.863512	ENSMUSG0	Gm44586
ENSMUSG0	1636.735	0.222998	0.28789	0.774594	0.43858	0.863512	ENSMUSG0	Atl3
ENSMUSG0	58.39315	-0.92302	1.192031	-0.77433	0.438738	0.863562	ENSMUSG0	Gcat
ENSMUSG0	522.4606	-0.19297	0.249215	-0.77432	0.438741	0.863562	ENSMUSG0	Exoc3l2
ENSMUSG0	5.677326	-0.57589	0.743784	-0.77427	0.438768	0.863562	ENSMUSG0	Acbd7
ENSMUSG0	284.2925	0.210951	0.27246	0.774248	0.438784	0.863562	ENSMUSG0	Zswim9
ENSMUSG0	909.4926	0.17544	0.226654	0.774045	0.438904	0.86371	ENSMUSG0	Mafk
ENSMUSG0	2612.676	-0.10614	0.137144	-0.77393	0.438974	0.863758	ENSMUSG0	Dpp3
ENSMUSG0	245.9025	-0.30539	0.39469	-0.77375	0.439081	0.863881	ENSMUSG0	D73000311!
ENSMUSG0	4.485823	0.680493	0.87972	0.773534	0.439207	0.86404	ENSMUSG0	Ighv1-52
ENSMUSG0	600.6422	-0.26636	0.344448	-0.77329	0.439351	0.864067	ENSMUSG0	Nnt

ENSMUSG0	242.8299	-0.17843	0.230751	-0.77325	0.439374	0.864067	ENSMUSG0 Cdk20
ENSMUSG0	7.577862	-0.57292	0.741137	-0.77303	0.439503	0.864067	ENSMUSG0 Khdc3
ENSMUSG0	63.47419	-0.19997	0.258761	-0.7728	0.439638	0.864067	ENSMUSG0C9530082P2
ENSMUSG0	883.0059	0.130325	0.168658	0.772719	0.439689	0.864067	ENSMUSG0 Tfip11
ENSMUSG0	9.95096	-0.89181	1.154259	-0.77262	0.439746	0.864067	ENSMUSG0 Igkv8-19
ENSMUSG0	659.5479	-0.12499	0.161776	-0.77259	0.439763	0.864067	ENSMUSG0 Tubgcp3
ENSMUSG0	31.3274	-0.28732	0.371933	-0.77249	0.439823	0.864067	ENSMUSG0 Gm12576
ENSMUSG0	902.5981	-0.17688	0.228988	-0.77242	0.439865	0.864067	ENSMUSG0 Zfp444
ENSMUSG0	1225.974	0.153656	0.19894	0.772375	0.439892	0.864067	ENSMUSG0 Chmp2b
ENSMUSG0	5.99753	0.699595	0.905778	0.772369	0.439896	0.864067	ENSMUSG0 Hoxd3
ENSMUSG0	7.821283	-0.38988	0.504837	-0.77229	0.439941	0.864067	ENSMUSG0 Gm17276
ENSMUSG0	1869.972	-0.17221	0.223038	-0.77212	0.440043	0.864067	ENSMUSG0 Hax1
ENSMUSG0	403.0077	0.19873	0.257428	0.771981	0.440125	0.864067	ENSMUSG0 Pkp3
ENSMUSG0	222.8284	0.263707	0.341656	0.771849	0.440204	0.864067	ENSMUSG0 Emp1
ENSMUSG0	1629.686	-0.18274	0.236765	-0.7718	0.440232	0.864067	ENSMUSG0 Hbp1
ENSMUSG0	897.8749	-0.12202	0.158102	-0.77177	0.440254	0.864067	ENSMUSG0 Pias2
ENSMUSG0	309.2966	-0.65762	0.852101	-0.77176	0.440256	0.864067	ENSMUSG0 Maf
ENSMUSG0	1012.752	-0.21866	0.283329	-0.77175	0.440265	0.864067	ENSMUSG0 Gadd45b
ENSMUSG0	12.48738	-0.35765	0.46344	-0.77174	0.44027	0.864067	ENSMUSG0 Tmem74b
ENSMUSG0	241.8689	0.208573	0.270458	0.771184	0.440598	0.864067	ENSMUSG0 Cutal
ENSMUSG0	1018.779	0.109129	0.141521	0.771111	0.440641	0.864067	ENSMUSG0 Anks3
ENSMUSG0	14.30267	0.469142	0.608468	0.771021	0.440694	0.864067	ENSMUSG0 Papln
ENSMUSG0	1444.068	-0.13923	0.180578	-0.77101	0.4407	0.864067	ENSMUSG0 Pip5k1b
ENSMUSG0	12.0061	-0.71311	0.924915	-0.771	0.440709	0.864067	ENSMUSG0 Tiaf2
ENSMUSG0	2070.298	-0.19278	0.250045	-0.77098	0.440718	0.864067	ENSMUSG0 Birc6
ENSMUSG0	297.6734	0.746798	0.968668	0.770954	0.440734	0.864067	ENSMUSG0 Trbc2
ENSMUSG0	360.7308	0.319176	0.414092	0.770786	0.440834	0.864067	ENSMUSG0 Mki67
ENSMUSG0	1579.391	-0.11917	0.154613	-0.77078	0.440837	0.864067	ENSMUSG0 Axin1
ENSMUSG0	158.543	-0.16924	0.219597	-0.77069	0.440888	0.864067	ENSMUSG0 Dnaaf2
ENSMUSG0	539.3907	0.388336	0.503885	0.770684	0.440894	0.864067	ENSMUSG0 Cd22
ENSMUSG0	57.0223	0.323283	0.419497	0.770644	0.440918	0.864067	ENSMUSG0 Tmem44
ENSMUSG0	98.50129	-0.35393	0.459277	-0.77063	0.440928	0.864067	ENSMUSG0 Tc2n
ENSMUSG0	1111.398	-0.12217	0.15853	-0.77062	0.440933	0.864067	ENSMUSG0 Vrk3
ENSMUSG0	21.13613	0.413772	0.536939	0.770613	0.440936	0.864067	ENSMUSG0 Stil
ENSMUSG0	257.8759	-0.18547	0.24072	-0.77047	0.441023	0.864067	ENSMUSG0 Hacl1
ENSMUSG0	212.582	0.13547	0.175872	0.770275	0.441137	0.864067	ENSMUSG0 Rab20
ENSMUSG0	130.2228	0.211312	0.274368	0.770179	0.441194	0.864067	ENSMUSG0 Zfp229
ENSMUSG0	352.1095	-0.27269	0.354062	-0.77018	0.441194	0.864067	ENSMUSG0 Ffar4
ENSMUSG0	1686.696	0.188159	0.244307	0.770177	0.441195	0.864067	ENSMUSG0 Ccdc47
ENSMUSG0	91.32788	-0.16953	0.220118	-0.77017	0.441201	0.864067	ENSMUSG0 Edaradd
ENSMUSG0	6575.824	0.168128	0.218306	0.770151	0.441211	0.864067	ENSMUSG0Tmem176b
ENSMUSG0	15.30588	-0.31786	0.412733	-0.77014	0.441214	0.864067	ENSMUSG0 Gm45053
ENSMUSG0	2873.543	-0.14039	0.1823	-0.7701	0.441241	0.864067	ENSMUSG0 Usp48
ENSMUSG0	524.0185	-0.18622	0.241822	-0.77009	0.441247	0.864067	ENSMUSG0 Tsr3
ENSMUSG0	20.22423	1.325646	1.721737	0.769947	0.441331	0.864067	ENSMUSG0 Fut7
ENSMUSG0	112.9412	-0.21615	0.280736	-0.76995	0.441332	0.864067	ENSMUSG0 Setmar
ENSMUSG0	36.92112	0.250934	0.32595	0.769853	0.441387	0.864083	ENSMUSG0 Gpc2
ENSMUSG0	895.6424	0.133888	0.17393	0.769781	0.44143	0.864083	ENSMUSG0 Enpp4
ENSMUSG0	296.9672	-0.15942	0.207321	-0.76894	0.44193	0.864831	ENSMUSG0 Nde1
ENSMUSG0	8.730225	-0.36958	0.480722	-0.7688	0.442011	0.864831	ENSMUSG0 Gm26566
ENSMUSG0	572.8721	-0.17264	0.224628	-0.76858	0.442144	0.864831	ENSMUSG0 Zfp282
ENSMUSG0	1059.108	-0.15975	0.20785	-0.76856	0.442154	0.864831	ENSMUSG0 Pcyt2

ENSMUSG0	116.5825	0.17029	0.221574	0.768545	0.442163	0.864831	ENSMUSG0 Crppa
ENSMUSG0	73.17408	0.248544	0.323406	0.768521	0.442178	0.864831	ENSMUSG0 Map2k6
ENSMUSG0	7.837196	-0.57668	0.750483	-0.76842	0.442239	0.864831	ENSMUSG0 B3gat1
ENSMUSG0	1355.275	-0.14288	0.185963	-0.76834	0.442288	0.864831	ENSMUSG0 Rundc1
ENSMUSG0	255.1544	-0.15787	0.205469	-0.76832	0.442294	0.864831	ENSMUSG0 Camkmt
ENSMUSG0	2499.1	0.144296	0.187815	0.768287	0.442317	0.864831	ENSMUSG0 Ahcyl2
ENSMUSG0	266.071	0.138967	0.18089	0.768243	0.442343	0.864831	ENSMUSG0 Prps1l3
ENSMUSG0	389.8426	-0.20292	0.264148	-0.76819	0.442372	0.864831	ENSMUSG0 Ptpmt1
ENSMUSG0	1476.022	0.117284	0.152691	0.768114	0.442419	0.864831	ENSMUSG0 Sf3a1
ENSMUSG0	4160.98	-0.16851	0.219388	-0.76808	0.442441	0.864831	ENSMUSG0 Trim28
ENSMUSG0	5.304767	-0.55671	0.72495	-0.76793	0.442529	0.864834	ENSMUSG0 AV099323
ENSMUSG0	8.320135	-0.77338	1.007222	-0.76783	0.442586	0.864834	ENSMUSG0 Mro
ENSMUSG0	5.228242	0.895466	1.166266	0.767805	0.442603	0.864834	ENSMUSG0 Onecut3
ENSMUSG0	9.934653	-0.47157	0.614297	-0.76766	0.44269	0.864834	ENSMUSG0 Gm37105
ENSMUSG0	134.8971	-0.52598	0.685174	-0.76766	0.442692	0.864834	ENSMUSG0 Ms4a4c
ENSMUSG0	307.4716	-0.1274	0.165972	-0.76762	0.442713	0.864834	ENSMUSG0 L2hgdh
ENSMUSG0	572.7133	-1.2918	1.683056	-0.76753	0.442766	0.86485	ENSMUSG0 Sprr2a2
ENSMUSG0	61.6178	-0.2541	0.331122	-0.76738	0.442854	0.864896	ENSMUSG0 Msantd1
ENSMUSG0	182.8761	0.17447	0.227369	0.76734	0.442879	0.864896	ENSMUSG0 Bid
ENSMUSG0	1702.653	-0.1661	0.216556	-0.76703	0.443066	0.865147	ENSMUSG0 Khdrbs3
ENSMUSG0	496.8155	0.260525	0.339701	0.766926	0.443126	0.865147	ENSMUSG0 Axl
ENSMUSG0	63.60109	-0.18401	0.239937	-0.7669	0.443143	0.865147	ENSMUSG0 Gm10501
ENSMUSG0	636.2399	-0.23886	0.311579	-0.76663	0.443304	0.865268	ENSMUSG0 Sec24a
ENSMUSG0	6.237551	0.469641	0.612656	0.766566	0.443339	0.865268	ENSMUSG0 Exd1
ENSMUSG0	3547.983	-0.15755	0.205746	-0.76575	0.443825	0.866085	ENSMUSG0 Ap3b2
ENSMUSG0	569.3721	0.161573	0.21101	0.765711	0.443849	0.866085	ENSMUSG0 Wdfy2
ENSMUSG0	74.01548	-0.29413	0.384178	-0.76562	0.443903	0.866086	ENSMUSG0 Spata1
ENSMUSG0	45.37159	-0.41691	0.544609	-0.76551	0.443965	0.866086	ENSMUSG0 Gm37033
ENSMUSG0	433.8317	-0.14827	0.193705	-0.76542	0.44402	0.866086	ENSMUSG0 Trmt9b
ENSMUSG0	883.9951	0.113073	0.147729	0.765408	0.444029	0.866086	ENSMUSG0 Ice1
ENSMUSG0	7.834329	-0.47549	0.62142	-0.76517	0.444169	0.866272	ENSMUSG0 Gm43372
ENSMUSG0	1947.996	0.174778	0.228509	0.764865	0.444352	0.866375	ENSMUSG0 Anapc1
ENSMUSG0	269.766	-0.15998	0.209244	-0.76456	0.444533	0.866375	ENSMUSG0 Dhx35
ENSMUSG0	2768.941	-0.12625	0.165124	-0.76455	0.444537	0.866375	ENSMUSG0 Esrp1
ENSMUSG0	410.6948	0.143889	0.188217	0.764488	0.444576	0.866375	ENSMUSG0 Mad1l1
ENSMUSG0	85.16831	0.208296	0.272476	0.764455	0.444596	0.866375	ENSMUSG0 Tigd5
ENSMUSG0	364.6016	0.390627	0.511045	0.76437	0.444647	0.866375	ENSMUSG0 Fcer2a
ENSMUSG0	280.2867	-0.20424	0.267224	-0.76431	0.444681	0.866375	ENSMUSG0 Pcgf1
ENSMUSG0	435.9309	-0.13677	0.178946	-0.76428	0.4447	0.866375	ENSMUSG0 Dll4
ENSMUSG0	40310.38	-0.14195	0.185737	-0.76427	0.444709	0.866375	ENSMUSG0 Ubc
ENSMUSG0	349.5473	-0.17377	0.227378	-0.76425	0.44472	0.866375	ENSMUSG0 Tmem203
ENSMUSG0	20.3659	0.683095	0.893991	0.764097	0.44481	0.866375	ENSMUSG0 Tnfsf8
ENSMUSG0	409.9431	-0.17288	0.226278	-0.76402	0.444858	0.866375	ENSMUSG0 Ercc6
ENSMUSG0	267.0808	-0.21151	0.276853	-0.764	0.444869	0.866375	ENSMUSG0 Rdm1
ENSMUSG0	10.71932	0.479687	0.628015	0.763814	0.444978	0.866375	ENSMUSG0 6430550D2
ENSMUSG0	63.27727	0.255058	0.333978	0.763697	0.445048	0.866375	ENSMUSG0 Gpx8
ENSMUSG0	1234.898	-0.18403	0.240968	-0.76369	0.44505	0.866375	ENSMUSG0 Acaa2
ENSMUSG0	7.849086	0.523607	0.68564	0.763676	0.44506	0.866375	ENSMUSG0 Gm37928
ENSMUSG0	18998.31	-0.14658	0.191952	-0.76361	0.445099	0.866375	ENSMUSG0 Ptma
ENSMUSG0	10.69682	0.372849	0.48831	0.76355	0.445136	0.866375	ENSMUSG0 Gm4118
ENSMUSG0	6.84618	-0.63233	0.828187	-0.76351	0.445158	0.866375	ENSMUSG0 Gm38357
ENSMUSG0	126.4963	0.178609	0.233936	0.763496	0.445168	0.866375	ENSMUSG0 Ablim2

ENSMUSG0	636.8042	0.218858	0.286801	0.763101	0.445403	0.866611	ENSMUSG0 Fam98b
ENSMUSG0	223.6714	-0.14283	0.187172	-0.76308	0.445414	0.866611	ENSMUSG0 Cep76
ENSMUSG0	290.5228	0.114369	0.149882	0.763057	0.445429	0.866611	ENSMUSG0 Msh3
ENSMUSG0	2.924864	1.245051	1.631805	0.76299	0.445469	0.866611	ENSMUSG0 Trbv4
ENSMUSG0	17.86096	0.461663	0.605326	0.762668	0.445662	0.86688	ENSMUSG0 Pilra
ENSMUSG0	957.0198	0.268853	0.352593	0.762501	0.445761	0.86688	ENSMUSG0 Hmgn5
ENSMUSG0	3.952782	-0.90947	1.192784	-0.76248	0.445774	0.86688	ENSMUSG0 Gm33050
ENSMUSG0	971.5299	-0.10643	0.139588	-0.76246	0.445788	0.86688	ENSMUSG0 Cbfa2t2
ENSMUSG0	33.60993	0.390841	0.512665	0.762371	0.445839	0.866891	ENSMUSG0 Ccdc69
ENSMUSG0	169.8981	-0.2634	0.345531	-0.76229	0.445885	0.866893	ENSMUSG0 Adrb2
ENSMUSG0	931.7504	-0.16559	0.217315	-0.76198	0.44607	0.867165	ENSMUSG0 Rbm27
ENSMUSG0	21.45671	-0.25257	0.331579	-0.76173	0.44622	0.867312	ENSMUSG0 Teddm2
ENSMUSG0	2169.274	0.108355	0.142253	0.761706	0.446236	0.867312	ENSMUSG0 Nek9
ENSMUSG0	886.0063	-0.11954	0.157011	-0.76134	0.446451	0.867323	ENSMUSG0 Rab11fip3
ENSMUSG0	1751.392	-0.21206	0.278531	-0.76134	0.446453	0.867323	ENSMUSG0 Ubl5
ENSMUSG0	391.5898	0.225329	0.295984	0.761288	0.446485	0.867323	ENSMUSG0 Thyn1
ENSMUSG0	105.7224	-0.15107	0.198441	-0.76127	0.446495	0.867323	ENSMUSG0 Zswim3
ENSMUSG0	430.3265	-0.15035	0.197529	-0.76114	0.446574	0.867323	ENSMUSG04933434E2
ENSMUSG0	61.59824	-0.34302	0.45067	-0.76112	0.446583	0.867323	ENSMUSG0 Gm36839
ENSMUSG0	5.346688	-0.56889	0.747545	-0.76101	0.446654	0.867323	ENSMUSG0 Gm45441
ENSMUSG0	876.235	0.11036	0.145023	0.760981	0.446668	0.867323	ENSMUSG0 Poglut1
ENSMUSG0	3348.311	-0.24591	0.323172	-0.76091	0.44671	0.867323	ENSMUSG0 Neat1
ENSMUSG0	23.75259	0.588253	0.773172	0.760831	0.446758	0.867323	ENSMUSG0 Tgm1
ENSMUSG0	2881.213	0.689165	0.905888	0.760762	0.446799	0.867323	ENSMUSG0 C3
ENSMUSG0	33665.6	-0.12889	0.169431	-0.76074	0.446812	0.867323	ENSMUSG0 Maged1
ENSMUSG0	1140.424	0.221903	0.291709	0.7607	0.446837	0.867323	ENSMUSG0 Tlcd4
ENSMUSG0	616.7352	0.158737	0.208745	0.760438	0.446993	0.867323	ENSMUSG0 Borcs6
ENSMUSG0	13.95365	-1.82982	2.406673	-0.76031	0.447068	0.867323	ENSMUSG0 Gm20708
ENSMUSG0	260.2843	-0.19302	0.25389	-0.76025	0.447102	0.867323	ENSMUSG0 Mthfs
ENSMUSG0	1167.825	-0.10601	0.139439	-0.76023	0.447116	0.867323	ENSMUSG0 Trap1
ENSMUSG0	54.55148	-0.18617	0.244887	-0.76023	0.447117	0.867323	ENSMUSG0 Gm13648
ENSMUSG0	6254.711	0.165237	0.217363	0.760188	0.447142	0.867323	ENSMUSG0 Calm2
ENSMUSG0	9.224667	0.623352	0.820018	0.760168	0.447154	0.867323	ENSMUSG0 Crtam
ENSMUSG0	3493.218	0.13923	0.18321	0.759948	0.447286	0.867323	ENSMUSG0 Laspl
ENSMUSG0	43.65346	0.254147	0.334451	0.759894	0.447318	0.867323	ENSMUSG0 Zfp786
ENSMUSG0	9.321283	0.395667	0.520767	0.759778	0.447388	0.867323	ENSMUSG0 Gm16279
ENSMUSG0	4.85128	0.582723	0.767036	0.759707	0.44743	0.867323	ENSMUSG0 Gm42998
ENSMUSG0	690.4177	0.154467	0.203421	0.759346	0.447646	0.867323	ENSMUSG0 Bicl1
ENSMUSG0	4.549734	0.730438	0.962085	0.759223	0.447719	0.867323	ENSMUSG0 Gm45867
ENSMUSG0	693.159	-0.14233	0.187472	-0.75918	0.447742	0.867323	ENSMUSG0 Prps2
ENSMUSG0	4.259199	-0.60071	0.791304	-0.75914	0.44777	0.867323	ENSMUSG0 Gm7461
ENSMUSG0	22.69879	-0.51328	0.676237	-0.75902	0.447838	0.867323	ENSMUSG0 Gm12070
ENSMUSG0	223.5893	-0.17105	0.225381	-0.75895	0.447885	0.867323	ENSMUSG0 Med31
ENSMUSG0	85.64246	-0.33523	0.441752	-0.75887	0.447929	0.867323	ENSMUSG0 Gm3373
ENSMUSG0	1069.295	-0.15128	0.199349	-0.75887	0.447929	0.867323	ENSMUSG02410002F2
ENSMUSG0	382.233	0.118137	0.155682	0.758831	0.447954	0.867323	ENSMUSG0 Ptdcl
ENSMUSG0	12.30505	0.414726	0.546576	0.75877	0.44799	0.867323	ENSMUSG0 Eya4
ENSMUSG0	5.009289	0.63884	0.842064	0.75866	0.448056	0.867323	ENSMUSG01810012K1
ENSMUSG0	33.58618	0.451848	0.595596	0.758649	0.448063	0.867323	ENSMUSG0 Adamts12
ENSMUSG0	341.7945	0.322121	0.424603	0.758641	0.448067	0.867323	ENSMUSG0 Nrros
ENSMUSG0	33.40354	0.360865	0.475751	0.758516	0.448142	0.867323	ENSMUSG0 C1qtnf7
ENSMUSG0	875.8377	0.399356	0.526502	0.758508	0.448147	0.867323	ENSMUSG0 Cd37

ENSMUSG0	149.7942	-0.17893	0.236	-0.75816	0.448354	0.867323	ENSMUSG0 H2ac6
ENSMUSG0	168.432	0.144755	0.190932	0.758149	0.448362	0.867323	ENSMUSG0 Sowahb
ENSMUSG0	424.6958	0.274496	0.362078	0.758112	0.448384	0.867323	ENSMUSG0 Tbc1d4
ENSMUSG0	512.3324	-0.13008	0.171608	-0.75802	0.44844	0.867323	ENSMUSG0 Tmem189
ENSMUSG0	7.956233	-0.41276	0.544553	-0.75798	0.448463	0.867323	ENSMUSG0 Kdm4d
ENSMUSG0	950.0459	-0.1181	0.15582	-0.75794	0.448488	0.867323	ENSMUSG0 Triobp
ENSMUSG0	18.88478	0.547608	0.722498	0.757937	0.448489	0.867323	ENSMUSG0 Cd209a
ENSMUSG0	18.71257	-0.85885	1.134086	-0.7573	0.448868	0.867323	ENSMUSG0 Igkv4-59
ENSMUSG0	166.6842	0.274611	0.362649	0.757236	0.448908	0.867323	ENSMUSG0 Shank1
ENSMUSG0	464.3079	-0.1488	0.196506	-0.75722	0.448919	0.867323	ENSMUSG0 Plgrkt
ENSMUSG0	5805.295	-0.1182	0.156109	-0.75715	0.448959	0.867323	ENSMUSG0 Ubl3
ENSMUSG0	187.5679	-0.32703	0.43195	-0.75709	0.448994	0.867323	ENSMUSG0 Rps27
ENSMUSG0	4.299998	0.522677	0.690374	0.757092	0.448995	0.867323	ENSMUSG0 Gm42783
ENSMUSG0	149.1973	-0.29129	0.384767	-0.75705	0.449021	0.867323	ENSMUSG0 Nup37
ENSMUSG0	374.3026	0.205997	0.272111	0.757035	0.449029	0.867323	ENSMUSG0 R3hcc1l
ENSMUSG0	593.9901	0.149424	0.197387	0.757011	0.449044	0.867323	ENSMUSG0 Pip4k2a
ENSMUSG0	844.9853	-0.21468	0.283595	-0.75699	0.449053	0.867323	ENSMUSG0 Mob1b
ENSMUSG0	8.872883	-0.40709	0.537795	-0.75696	0.449072	0.867323	ENSMUSG0 Gm32633
ENSMUSG0	16.48603	-0.36649	0.4842	-0.75691	0.449105	0.867323	ENSMUSG0 Gm37637
ENSMUSG0	930.3734	-0.21491	0.284035	-0.75662	0.449276	0.867323	ENSMUSG0 Gart
ENSMUSG0	26.94423	-0.36237	0.478965	-0.75657	0.449305	0.867323	ENSMUSG0 1110013H1
ENSMUSG0	599.394	0.12608	0.16668	0.756421	0.449397	0.867323	ENSMUSG0 Snx21
ENSMUSG0	2033.313	-0.19882	0.262841	-0.75642	0.449398	0.867323	ENSMUSG0 Cacfd1
ENSMUSG0	629.0727	0.37295	0.493068	0.756386	0.449418	0.867323	ENSMUSG0 Trf
ENSMUSG0	1862.601	-0.12058	0.159434	-0.75633	0.449453	0.867323	ENSMUSG0 Mon2
ENSMUSG0	4.767294	-0.81508	1.077691	-0.75632	0.449458	0.867323	ENSMUSG0 Ccl12
ENSMUSG0	2421.343	-0.16819	0.222408	-0.75623	0.449512	0.867323	ENSMUSG0 Cul3
ENSMUSG0	5.267632	-0.76692	1.014178	-0.7562	0.449531	0.867323	ENSMUSG0 Ncr1
ENSMUSG0	36.09859	0.550674	0.728269	0.756141	0.449565	0.867323	ENSMUSG0 Slfn1
ENSMUSG0	145.6441	0.299852	0.39657	0.756114	0.449581	0.867323	ENSMUSG0 Cenpa
ENSMUSG0	592.813	-0.13937	0.18433	-0.75611	0.449585	0.867323	ENSMUSG0 2610002M
ENSMUSG0	3.230696	-0.63062	0.834093	-0.75606	0.449613	0.867323	ENSMUSG0 Slc25a18
ENSMUSG0	7.357563	-1.20891	1.599171	-0.75596	0.449674	0.867323	ENSMUSG0 Ltb4r2
ENSMUSG0	682.4765	-0.13836	0.183039	-0.75591	0.449703	0.867323	ENSMUSG0 Chfr
ENSMUSG0	349.8518	-0.10068	0.133197	-0.75589	0.449713	0.867323	ENSMUSG0 Fzd8
ENSMUSG0	40.57313	0.415438	0.549624	0.755859	0.449734	0.867323	ENSMUSG0 Rbfox1
ENSMUSG0	1043.333	0.154115	0.203912	0.755791	0.449775	0.867323	ENSMUSG0 Smg6
ENSMUSG0	397.0335	-0.20823	0.275512	-0.75579	0.449775	0.867323	ENSMUSG0 Snhg20
ENSMUSG0	9451.018	-0.14157	0.187362	-0.7556	0.449889	0.867323	ENSMUSG0 Gnao1
ENSMUSG0	13.019	0.377445	0.499564	0.75555	0.449919	0.867323	ENSMUSG0 Hepacam
ENSMUSG0	298.2793	0.198024	0.262116	0.755484	0.449959	0.867323	ENSMUSG0 Zfp369
ENSMUSG0	1363.207	0.19178	0.25386	0.755455	0.449976	0.867323	ENSMUSG0 Wasf2
ENSMUSG0	15.8017	-0.42396	0.561207	-0.75544	0.449984	0.867323	ENSMUSG0 Gm18706
ENSMUSG0	1133.644	-0.30821	0.408059	-0.75531	0.450062	0.867326	ENSMUSG0 Ly6a
ENSMUSG0	903.2017	-0.10723	0.141981	-0.75523	0.45011	0.867326	ENSMUSG0 Gid8
ENSMUSG0	508.1326	-0.10859	0.143783	-0.75521	0.45012	0.867326	ENSMUSG0 AI467606
ENSMUSG0	573.2922	-0.12588	0.166734	-0.75496	0.450272	0.86753	ENSMUSG0 Dis3l
ENSMUSG0	541.8251	-0.14504	0.192134	-0.75488	0.450321	0.86754	ENSMUSG0 Dusp22
ENSMUSG0	49.90923	0.360973	0.478353	0.754615	0.45048	0.867582	ENSMUSG0 Hoxb5
ENSMUSG0	117.5648	0.144391	0.191358	0.754559	0.450514	0.867582	ENSMUSG0 Lin9
ENSMUSG0	448.357	0.177474	0.235239	0.75444	0.450585	0.867582	ENSMUSG0 Nup155
ENSMUSG0	555.1522	-0.09498	0.125928	-0.75426	0.450692	0.867582	ENSMUSG0 Ublcp1

ENSMUSG0	256.9237	0.27309	0.362077	0.754231	0.45071	0.867582	ENSMUSG0 Tprn
ENSMUSG0	2190.299	-0.29937	0.396984	-0.75412	0.450779	0.867582	ENSMUSG0 Mdm1
ENSMUSG0	1134.662	-0.15185	0.20138	-0.75404	0.450824	0.867582	ENSMUSG0 Smarcc1
ENSMUSG0	155.0911	-0.2091	0.277325	-0.75398	0.45086	0.867582	ENSMUSG0 4930431P1
ENSMUSG0	105.4188	0.220465	0.29245	0.753856	0.450935	0.867582	ENSMUSG0 Ncmap
ENSMUSG0	10.75327	0.673725	0.893734	0.753831	0.450951	0.867582	ENSMUSG0 Ly6i
ENSMUSG0	546.9569	-0.14262	0.189194	-0.75381	0.450964	0.867582	ENSMUSG0 Zfp316
ENSMUSG0	3.36424	-0.58895	0.781451	-0.75366	0.451054	0.867582	ENSMUSG0 Gm10649
ENSMUSG0	2176.945	-0.10919	0.144888	-0.75362	0.45108	0.867582	ENSMUSG0 Glmp
ENSMUSG0	5.942755	0.789986	1.04831	0.753581	0.451101	0.867582	ENSMUSG0 Ecel1
ENSMUSG0	4.429333	-0.5812	0.771357	-0.75347	0.451165	0.867582	ENSMUSG0 Gm3928
ENSMUSG0	96.68734	-0.2918	0.387304	-0.75342	0.451197	0.867582	ENSMUSG0 Ube2c
ENSMUSG0	9.704554	0.527243	0.699853	0.753363	0.451232	0.867582	ENSMUSG0 Gm5709
ENSMUSG0	153.3546	0.144382	0.191652	0.753352	0.451238	0.867582	ENSMUSG0 Ttf2
ENSMUSG0	3.322089	0.797882	1.059229	0.753266	0.45129	0.867582	ENSMUSG0 Olfr56
ENSMUSG0	10.31054	0.543072	0.721065	0.753152	0.451359	0.867582	ENSMUSG0 Gpr20
ENSMUSG0	15.08619	-0.34971	0.464387	-0.75307	0.451411	0.867582	ENSMUSG0 Gm45592
ENSMUSG0	4.512701	-0.63798	0.847176	-0.75306	0.451413	0.867582	ENSMUSG0 Gm43689
ENSMUSG0	341.4897	0.217949	0.289443	0.752993	0.451454	0.867582	ENSMUSG0 Mxra7
ENSMUSG0	147.305	-0.18395	0.244302	-0.75298	0.451462	0.867582	ENSMUSG0 Gm20257
ENSMUSG0	197.7183	0.227607	0.302281	0.752965	0.451471	0.867582	ENSMUSG0 Klb
ENSMUSG0	18.4669	-0.30701	0.407918	-0.75264	0.451668	0.867756	ENSMUSG0 Stac3
ENSMUSG0	57.52639	0.231928	0.308209	0.752502	0.451749	0.867756	ENSMUSG0 4930522L1
ENSMUSG0	2978.234	-0.27139	0.360654	-0.75249	0.451759	0.867756	ENSMUSG0 Micos10
ENSMUSG0	4.174649	0.710315	0.944027	0.752431	0.451792	0.867756	ENSMUSG0 Samd11
ENSMUSG0	2428.786	-0.13829	0.183809	-0.75236	0.451836	0.867756	ENSMUSG0 Slc12a7
ENSMUSG0	10.32137	0.403312	0.536118	0.752282	0.451881	0.867756	ENSMUSG0 Sptbn5
ENSMUSG0	46.32391	-0.2093	0.278233	-0.75224	0.45191	0.867756	ENSMUSG0 Gm31992
ENSMUSG0	67.26004	-0.22213	0.295316	-0.75217	0.451951	0.867756	ENSMUSG0 Il17d
ENSMUSG0	604.1972	0.314099	0.417608	0.752139	0.451968	0.867756	ENSMUSG0 Nid1
ENSMUSG0	433.5777	0.183033	0.243399	0.751986	0.45206	0.867822	ENSMUSG0 Tcim
ENSMUSG0	8.048006	0.698587	0.929133	0.75187	0.452129	0.867822	ENSMUSG0 Dntt
ENSMUSG0	5.478564	0.637191	0.84749	0.751857	0.452137	0.867822	ENSMUSG0 A330074K2
ENSMUSG0	1199.667	-0.25865	0.344107	-0.75167	0.45225	0.867913	ENSMUSG0 Errfi1
ENSMUSG0	20.7344	0.736623	0.980184	0.751516	0.452342	0.867913	ENSMUSG0 Cst7
ENSMUSG0	1334.115	-0.18134	0.241357	-0.75133	0.452456	0.867913	ENSMUSG0 Syt14
ENSMUSG0	81.54242	0.425159	0.565904	0.751292	0.452477	0.867913	ENSMUSG0 Tbx3
ENSMUSG0	439.1178	-0.19017	0.253145	-0.75123	0.452511	0.867913	ENSMUSG0 Zfyve26
ENSMUSG0	123.305	0.346898	0.461779	0.75122	0.45252	0.867913	ENSMUSG0 Iigp1
ENSMUSG0	3467.596	-0.12742	0.169629	-0.75118	0.452544	0.867913	ENSMUSG0 Epn1
ENSMUSG0	698.3247	-0.16218	0.2159	-0.75118	0.452546	0.867913	ENSMUSG0 Mrpl1
ENSMUSG0	1527.923	0.16063	0.213886	0.75101	0.452646	0.867975	ENSMUSG0 Map1lc3a
ENSMUSG0	330.9657	-0.18776	0.250031	-0.75095	0.452685	0.867975	ENSMUSG0 Mrpl40
ENSMUSG0	627.2931	-0.17023	0.226701	-0.7509	0.452713	0.867975	ENSMUSG0 Smyd4
ENSMUSG0	9133.046	0.170798	0.22748	0.750824	0.452758	0.867975	ENSMUSG0 Tuba1a
ENSMUSG0	601.2102	-0.11146	0.148519	-0.75045	0.452983	0.868285	ENSMUSG0 2310061104
ENSMUSG0	136.0993	-0.7119	0.948691	-0.75041	0.453011	0.868285	ENSMUSG0 Lyz1
ENSMUSG0	515.9508	0.09093	0.121198	0.750262	0.453097	0.868364	ENSMUSG0 Ing1
ENSMUSG0	26.10944	0.270314	0.360342	0.750159	0.453159	0.86838	ENSMUSG0 Gm29666
ENSMUSG0	7.519304	0.62043	0.827186	0.750049	0.453225	0.86838	ENSMUSG0 Gm26672
ENSMUSG0	289.9856	0.21856	0.291404	0.750024	0.45324	0.86838	ENSMUSG0 Mpp6
ENSMUSG0	4.324152	0.61653	0.822104	0.749942	0.45329	0.868388	ENSMUSG0 Gm13544

ENSMUSG0	8.159002	-0.59066	0.787701	-0.74985	0.453345	0.868405	ENSMUSG0 Pnlcd1
ENSMUSG0	919.2045	-0.12577	0.167755	-0.74973	0.453415	0.868405	ENSMUSG0 Pdk2
ENSMUSG0	3580.584	0.143567	0.191499	0.749702	0.453434	0.868405	ENSMUSG0 Ttc3
ENSMUSG0	106.0064	-0.47275	0.630789	-0.74946	0.453582	0.868524	ENSMUSG0 Gm10146
ENSMUSG0	3815.705	-0.19574	0.261179	-0.74945	0.453587	0.868524	ENSMUSG0 Creb3l2
ENSMUSG0	27541.88	-0.10934	0.145926	-0.74929	0.45368	0.868591	ENSMUSG0 Ddx5
ENSMUSG0	2682.673	-0.21905	0.292417	-0.7491	0.453797	0.868591	ENSMUSG0 Pcdhgc4
ENSMUSG0	4.335555	-1.29964	1.735027	-0.74906	0.453822	0.868591	ENSMUSG0 Gm20687
ENSMUSG0	27.2975	-0.35976	0.480298	-0.74903	0.45384	0.868591	ENSMUSG01010001B2
ENSMUSG0	14.01624	0.708961	0.946522	0.749017	0.453847	0.868591	ENSMUSG0 Atp10b
ENSMUSG0	3863.626	0.1423	0.190012	0.7489	0.453918	0.868639	ENSMUSG0 Ptp4a2
ENSMUSG0	9.981975	-0.42457	0.566991	-0.7488	0.453976	0.868663	ENSMUSG0 Gm49894
ENSMUSG0	10083.14	-0.2068	0.276209	-0.74871	0.454029	0.868663	ENSMUSG0 Rpl21
ENSMUSG0	2492.989	-0.15081	0.201461	-0.74858	0.454109	0.868663	ENSMUSG0 Rbbp6
ENSMUSG0	185.0819	-0.18428	0.246175	-0.74858	0.454111	0.868663	ENSMUSG0 Gm47204
ENSMUSG0	693.2682	0.129344	0.172819	0.748437	0.454196	0.868713	ENSMUSG0 Ring1
ENSMUSG0	7465.839	-0.07435	0.099354	-0.74829	0.454285	0.868713	ENSMUSG0 Copb2
ENSMUSG0	8.306291	0.404886	0.541081	0.748291	0.454285	0.868713	ENSMUSG0 Tceal7
ENSMUSG0	7.697931	-0.4792	0.640441	-0.74824	0.454318	0.868713	ENSMUSG0 Gm50402
ENSMUSG0	3014.849	-0.14856	0.198618	-0.74797	0.454478	0.868841	ENSMUSG0 Ralbp1
ENSMUSG0	2496.146	-0.19326	0.258437	-0.74781	0.454572	0.868841	ENSMUSG0 Brk1
ENSMUSG0	423.9295	0.26383	0.35281	0.747797	0.454583	0.868841	ENSMUSG0 Pdgfrb
ENSMUSG0	1896.964	0.126642	0.169393	0.747624	0.454687	0.868841	ENSMUSG0 Ik
ENSMUSG0	4.231399	0.588999	0.787858	0.747595	0.454705	0.868841	ENSMUSG0F630040K0
ENSMUSG0	362.3106	-0.12699	0.169882	-0.74752	0.45475	0.868841	ENSMUSG0 Rtn4ip1
ENSMUSG0	1090.802	0.138402	0.185162	0.747464	0.454783	0.868841	ENSMUSG0 Dock11
ENSMUSG0	873.7765	0.120976	0.161894	0.747256	0.454909	0.868841	ENSMUSG0 Trip4
ENSMUSG0	342.9271	-0.1944	0.26019	-0.74713	0.454984	0.868841	ENSMUSG0 Nhlrc3
ENSMUSG0	214.3708	-0.13029	0.174408	-0.74704	0.455038	0.868841	ENSMUSG0 Gm10762
ENSMUSG0	1442.775	-0.16264	0.217708	-0.74704	0.455041	0.868841	ENSMUSG0 Cfap20
ENSMUSG0	1271.992	0.138838	0.185883	0.746912	0.455117	0.868841	ENSMUSG0 Myo9b
ENSMUSG0	1242.559	-0.09164	0.122695	-0.74688	0.455135	0.868841	ENSMUSG0 Herpud2
ENSMUSG0	1489.898	-0.15534	0.207986	-0.74686	0.455145	0.868841	ENSMUSG0 Gifyf2
ENSMUSG0	49.3043	0.329871	0.441744	0.746748	0.455216	0.868841	ENSMUSG0 Ccl11
ENSMUSG0	12.63872	0.584303	0.782484	0.746727	0.455228	0.868841	ENSMUSG0 Rpsa-ps9
ENSMUSG0	40.23126	0.505393	0.676828	0.746707	0.45524	0.868841	ENSMUSG0 Mmp7
ENSMUSG0	625.1065	-0.12232	0.16382	-0.7467	0.455245	0.868841	ENSMUSG0 Kdf1
ENSMUSG0	8.208603	-0.59022	0.790669	-0.74648	0.455375	0.868841	ENSMUSG0 Etv4
ENSMUSG0	325.4152	-0.1214	0.162624	-0.74648	0.455376	0.868841	ENSMUSG0 Mpg
ENSMUSG0	1206.915	-0.20405	0.273355	-0.74648	0.455377	0.868841	ENSMUSG0A230057DC
ENSMUSG0	7.706435	-0.42221	0.565623	-0.74645	0.455397	0.868841	ENSMUSG04732463B0
ENSMUSG0	666.3361	-0.17266	0.23133	-0.7464	0.455429	0.868841	ENSMUSG0 Tmem205
ENSMUSG0	279.7369	-0.171	0.229115	-0.74633	0.455469	0.868841	ENSMUSG0 Pank1
ENSMUSG0	399.4488	0.179431	0.240591	0.745792	0.455793	0.869374	ENSMUSG0 Cyth3
ENSMUSG0	100.2091	-0.23446	0.314472	-0.74556	0.455935	0.869559	ENSMUSG0 Gm21897
ENSMUSG0	7.252055	0.699681	0.938595	0.745456	0.455996	0.869589	ENSMUSG01810073OC
ENSMUSG0	490.91	0.153189	0.205555	0.745248	0.456122	0.869669	ENSMUSG0 Pih1d1
ENSMUSG0	57.12925	0.349377	0.46885	0.745179	0.456164	0.869669	ENSMUSG0 Ppfia2
ENSMUSG0	3.649131	0.627022	0.841633	0.745006	0.456268	0.869669	ENSMUSG0A430110L2
ENSMUSG0	3.037673	0.756963	1.016061	0.744997	0.456273	0.869669	ENSMUSG0 Gm45527
ENSMUSG0	25.00556	0.260213	0.349303	0.74495	0.456302	0.869669	ENSMUSG0 AA474408
ENSMUSG0	6.056498	0.5131	0.688936	0.744772	0.45641	0.869669	ENSMUSG0 Fgf22

ENSMUSG0	477.1499	0.218412	0.293271	0.744745	0.456426	0.869669	ENSMUSG0	Pcdh15
ENSMUSG0	964.194	-0.14568	0.195657	-0.74455	0.456543	0.869669	ENSMUSG0	Ttc33
ENSMUSG0	358.4709	-0.1503	0.201874	-0.7445	0.456572	0.869669	ENSMUSG0	Mrps31
ENSMUSG0	912.8882	0.255099	0.342671	0.744443	0.456609	0.869669	ENSMUSG0	Arid4a
ENSMUSG0	16.92553	0.365137	0.490529	0.744374	0.45665	0.869669	ENSMUSG0	Vstm5
ENSMUSG0	932.9552	-0.12407	0.166673	-0.74437	0.456655	0.869669	ENSMUSG0	Rnf2
ENSMUSG0	337.0313	0.292322	0.392724	0.744344	0.456668	0.869669	ENSMUSG0	Bicra
ENSMUSG0	189.7181	-0.15707	0.211063	-0.74417	0.456771	0.869773	ENSMUSG0	Pde7b
ENSMUSG0	1051.336	0.113794	0.152963	0.743934	0.456917	0.869964	ENSMUSG0	Bag3
ENSMUSG0	466.3468	-0.1053	0.141575	-0.74378	0.457011	0.870058	ENSMUSG0	Tti2
ENSMUSG0	6.724975	-0.54149	0.728169	-0.74363	0.457102	0.870144	ENSMUSG0	Gm17705
ENSMUSG0	34.92682	-0.49713	0.668749	-0.74337	0.457256	0.870352	ENSMUSG0	Ifit1bl1
ENSMUSG0	207.0895	0.103403	0.139131	0.743202	0.45736	0.87041	ENSMUSG0	Dcbld1
ENSMUSG0	218.5719	0.200774	0.270181	0.743108	0.457416	0.87041	ENSMUSG0	E2f2
ENSMUSG0	44.60377	0.259421	0.349113	0.743087	0.457429	0.87041	ENSMUSG0	Dtwd2
ENSMUSG0	16.65747	0.393165	0.529143	0.743024	0.457467	0.87041	ENSMUSG0	Hoxa3
ENSMUSG0	532.3565	-0.13403	0.180433	-0.74281	0.457595	0.870444	ENSMUSG0	Ctns
ENSMUSG0	533.7459	0.149269	0.20099	0.742669	0.457682	0.870444	ENSMUSG0	Nop14
ENSMUSG0	570.6476	-0.15022	0.202289	-0.74262	0.457709	0.870444	ENSMUSG0	Ppp2r3c
ENSMUSG0	4.14009	0.637494	0.858446	0.742614	0.457715	0.870444	ENSMUSG0	Gm15232
ENSMUSG0	284.037	-0.15643	0.210654	-0.74259	0.457729	0.870444	ENSMUSG0	Trmt12
ENSMUSG0	487.7473	-0.12877	0.173411	-0.74255	0.457757	0.870444	ENSMUSG0	Mios
ENSMUSG0	2675.333	-0.15707	0.211586	-0.74234	0.457883	0.870537	ENSMUSG0	Atp5g1
ENSMUSG0	170.4776	0.390767	0.526453	0.742264	0.457927	0.870537	ENSMUSG0	Snx20
ENSMUSG0	441.4392	0.174825	0.235537	0.74224	0.457942	0.870537	ENSMUSG0	Sft2d1
ENSMUSG0	255.54	-0.14031	0.189069	-0.74212	0.458015	0.870575	ENSMUSG0	Septin10
ENSMUSG0	96.33985	0.232727	0.313643	0.742013	0.458079	0.870575	ENSMUSG0	Nrarp
ENSMUSG0	764.9283	0.127841	0.172323	0.741871	0.458165	0.870575	ENSMUSG0	Zfp777
ENSMUSG0	830.7518	-0.19023	0.256442	-0.7418	0.45821	0.870575	ENSMUSG0	Naa30
ENSMUSG0	48.12358	0.372028	0.501548	0.741759	0.458233	0.870575	ENSMUSG0	Hsd11b1
ENSMUSG0	2274.001	-0.13347	0.180029	-0.74137	0.45847	0.870883	ENSMUSG0	Enah
ENSMUSG0	979.804	0.212108	0.286114	0.741343	0.458486	0.870883	ENSMUSG0	Pgap1
ENSMUSG0	1178.287	-0.14549	0.196281	-0.74124	0.45855	0.870919	ENSMUSG0	Mif
ENSMUSG0	500.131	-0.15388	0.207659	-0.74102	0.458681	0.871051	ENSMUSG0	Med29
ENSMUSG0	631.4308	0.123875	0.167179	0.740972	0.45871	0.871051	ENSMUSG0	Cactin
ENSMUSG0	322.856	0.232485	0.313853	0.740745	0.458848	0.871106	ENSMUSG0	Nova1
ENSMUSG0	1807.375	0.156938	0.211866	0.740741	0.45885	0.871106	ENSMUSG0	2900026A0
ENSMUSG0	4449.613	-0.10793	0.145716	-0.7407	0.458875	0.871106	ENSMUSG0	Hspa9
ENSMUSG0	1016.642	0.090634	0.122458	0.740123	0.459226	0.871616	ENSMUSG0	Eml3
ENSMUSG0	441.9556	0.19117	0.2583	0.740109	0.459234	0.871616	ENSMUSG0	Ifngr2
ENSMUSG0	1312.2	0.169188	0.228662	0.739902	0.459359	0.871655	ENSMUSG0	Osbpl9
ENSMUSG0	345.6847	-0.14275	0.19298	-0.73974	0.459459	0.871655	ENSMUSG0	Thnsl2
ENSMUSG0	15.374	-0.75524	1.020978	-0.73972	0.459469	0.871655	ENSMUSG0	Gcnt3
ENSMUSG0	1810.287	-0.14429	0.195062	-0.73969	0.459487	0.871655	ENSMUSG0	Arl5a
ENSMUSG0	1483.907	-0.25864	0.349679	-0.73965	0.45951	0.871655	ENSMUSG0	Anapc13
ENSMUSG0	11.68354	-0.3305	0.446841	-0.73963	0.459527	0.871655	ENSMUSG0	Dcaf12l2
ENSMUSG0	850.6626	-0.18501	0.250201	-0.73946	0.459628	0.871677	ENSMUSG0	Tmem181b
ENSMUSG0	20841.85	-0.17073	0.230901	-0.7394	0.459665	0.871677	ENSMUSG0	Rpl10-ps3
ENSMUSG0	6.090223	-0.56462	0.76368	-0.73935	0.459697	0.871677	ENSMUSG0	5330439B1
ENSMUSG0	436.9206	-0.19383	0.262172	-0.73931	0.459719	0.871677	ENSMUSG0	MIlt3
ENSMUSG0	279.597	0.19865	0.268766	0.739119	0.459835	0.871762	ENSMUSG0	Atxn7l1
ENSMUSG0	5.995266	0.586702	0.793882	0.73903	0.459889	0.871762	ENSMUSG0	Hapln3

ENSMUSG0	39.54252	0.33848	0.458124	0.73884	0.460004	0.871762	ENSMUSG0 Ifi207
ENSMUSG0	16.8091	-0.4021	0.544241	-0.73884	0.460007	0.871762	ENSMUSG0 Gm42879
ENSMUSG0	3601.087	-0.22038	0.298332	-0.73872	0.460077	0.871762	ENSMUSG0 Arfgef3
ENSMUSG0	2039.995	-0.21662	0.293261	-0.73868	0.460104	0.871762	ENSMUSG0 Ift20
ENSMUSG0	9.579192	-0.39034	0.528463	-0.73864	0.460126	0.871762	ENSMUSG0 Gm8237
ENSMUSG0	1239.143	0.140779	0.1906	0.738611	0.460143	0.871762	ENSMUSG0 Echdc2
ENSMUSG0	233.6223	0.177553	0.240406	0.738555	0.460177	0.871762	ENSMUSG0 Stimate
ENSMUSG0	329.1899	-0.19767	0.267703	-0.7384	0.460269	0.871762	ENSMUSG0 Maip1
ENSMUSG0	18.52705	0.747732	1.012672	0.738376	0.460286	0.871762	ENSMUSG0 Igkv4-91
ENSMUSG0	2214.961	-0.13219	0.179041	-0.73834	0.460308	0.871762	ENSMUSG0 Eif3g
ENSMUSG0	1080.139	-0.14874	0.201483	-0.73821	0.460388	0.871827	ENSMUSG0 Tomm22
ENSMUSG0	5.183965	-0.79578	1.078299	-0.73799	0.46052	0.871961	ENSMUSG0 Ftl2-ps
ENSMUSG0	4.717604	0.679746	0.921325	0.737791	0.460641	0.871961	ENSMUSG0 Rps15a-ps7
ENSMUSG0	3063.885	-0.10544	0.142933	-0.73768	0.460707	0.871961	ENSMUSG0 Rad23b
ENSMUSG0	562.5069	-0.14101	0.191164	-0.73766	0.460721	0.871961	ENSMUSG0 Gpatch1
ENSMUSG0	66.66366	0.229408	0.311	0.737647	0.460729	0.871961	ENSMUSG0 C230096K1
ENSMUSG0	13.00315	-0.35647	0.483254	-0.73764	0.460731	0.871961	ENSMUSG0 993012011C
ENSMUSG0	115.2104	0.315508	0.427795	0.73752	0.460806	0.872018	ENSMUSG0 S1pr4
ENSMUSG0	543.0064	-0.15372	0.208501	-0.73726	0.460963	0.872059	ENSMUSG0 Parp16
ENSMUSG0	146.639	0.174336	0.236553	0.736982	0.461133	0.872059	ENSMUSG0 Rimkla
ENSMUSG0	1494.747	0.196209	0.266242	0.736957	0.461149	0.872059	ENSMUSG0 Limd2
ENSMUSG0	254.81	-0.16145	0.21909	-0.73691	0.46118	0.872059	ENSMUSG0 Trpt1
ENSMUSG0	935.0599	-0.20066	0.272324	-0.73686	0.46121	0.872059	ENSMUSG0 Gtf2a1
ENSMUSG0	4447.717	-0.1988	0.269803	-0.73684	0.461218	0.872059	ENSMUSG0 Ncor1
ENSMUSG0	515.4324	0.152131	0.206472	0.736814	0.461236	0.872059	ENSMUSG0 Prep
ENSMUSG0	865.0031	-0.1614	0.219061	-0.73677	0.461263	0.872059	ENSMUSG0 Ppard
ENSMUSG0	547.0254	-0.13233	0.179614	-0.73676	0.461267	0.872059	ENSMUSG0 Slc38a7
ENSMUSG0	22001.73	0.210286	0.285494	0.736571	0.461383	0.872059	ENSMUSG0 Gpx3
ENSMUSG0	80.1947	0.44423	0.603119	0.736555	0.461393	0.872059	ENSMUSG0 Clec7a
ENSMUSG0	754.5224	-0.24727	0.335752	-0.73646	0.461452	0.872059	ENSMUSG0 Cep290
ENSMUSG0	1239.968	-0.14493	0.196814	-0.73639	0.461494	0.872059	ENSMUSG0 Mapk15
ENSMUSG0	91.88847	-0.25031	0.339918	-0.73638	0.461498	0.872059	ENSMUSG0 Xntrpc
ENSMUSG0	2117.925	-0.21847	0.29669	-0.73637	0.461508	0.872059	ENSMUSG0 Jtb
ENSMUSG0	6.689863	0.905576	1.229979	0.736253	0.461577	0.872075	ENSMUSG0 Trgc1
ENSMUSG0	3.012849	-0.62409	0.847849	-0.73609	0.461679	0.872075	ENSMUSG0 Gm48857
ENSMUSG0	3.426374	0.928051	1.260897	0.736025	0.461716	0.872075	ENSMUSG0 9330188P0
ENSMUSG0	331.5257	-0.21256	0.288873	-0.73583	0.461831	0.872075	ENSMUSG0 Iqcc
ENSMUSG0	235.7287	0.332171	0.451447	0.735792	0.461857	0.872075	ENSMUSG0 H2-DMb1
ENSMUSG0	1361.928	-0.13924	0.189301	-0.73553	0.462016	0.872075	ENSMUSG0 Jpt2
ENSMUSG0	2807.12	-0.1416	0.19252	-0.7355	0.462034	0.872075	ENSMUSG0 Gnaq
ENSMUSG0	195.8767	-0.14765	0.200797	-0.73533	0.462141	0.872075	ENSMUSG0 Polh
ENSMUSG0	12224.46	-0.0972	0.132188	-0.73529	0.462164	0.872075	ENSMUSG0 Son
ENSMUSG0	308.6532	0.206866	0.28139	0.735157	0.462244	0.872075	ENSMUSG0 Wdr19
ENSMUSG0	43.82477	-0.18785	0.255532	-0.73512	0.462269	0.872075	ENSMUSG0 Gm14023
ENSMUSG0	3.118554	-0.95222	1.295505	-0.73502	0.462327	0.872075	ENSMUSG0 Bcl2l15
ENSMUSG0	347.0548	-0.13649	0.185709	-0.73498	0.462353	0.872075	ENSMUSG0 Gtf3c6
ENSMUSG0	483.0835	-0.12262	0.166853	-0.7349	0.462399	0.872075	ENSMUSG0 Slx1b
ENSMUSG0	124.1873	-0.21805	0.296756	-0.73479	0.462466	0.872075	ENSMUSG0 Gsto2
ENSMUSG0	1002.149	0.148281	0.201806	0.734773	0.462477	0.872075	ENSMUSG0 Ripor1
ENSMUSG0	22.53733	0.599768	0.81652	0.734541	0.462619	0.872075	ENSMUSG0 Klrk1
ENSMUSG0	115.0898	-0.17312	0.235695	-0.73452	0.462632	0.872075	ENSMUSG0 Zfp661
ENSMUSG0	3311.465	-0.09517	0.129581	-0.73444	0.462683	0.872075	ENSMUSG0 Glyr1

ENSMUSG0	88.84666	0.240407	0.327344	0.734418	0.462694	0.872075	ENSMUSG0 Zfp967
ENSMUSG0	530.8477	-0.16168	0.220177	-0.73434	0.462743	0.872075	ENSMUSG0 Mfsd10
ENSMUSG0	6795.6	-0.10666	0.145265	-0.73427	0.462787	0.872075	ENSMUSG0 Brd2
ENSMUSG0	5.202823	0.493542	0.672384	0.734018	0.462938	0.872075	ENSMUSG0 Abo
ENSMUSG0	283.0897	-0.18435	0.251163	-0.73398	0.462961	0.872075	ENSMUSG0 Rfx2
ENSMUSG0	517.5355	0.218861	0.298188	0.733971	0.462967	0.872075	ENSMUSG0 Plcg2
ENSMUSG0	116.5723	-0.32587	0.444071	-0.73383	0.463055	0.872075	ENSMUSG09330160F1
ENSMUSG0	3.764124	-0.72108	0.982678	-0.73379	0.463074	0.872075	ENSMUSG0 Actc1
ENSMUSG0	7.185971	0.510346	0.695587	0.733691	0.463137	0.872075	ENSMUSG0 Gm4651
ENSMUSG0	2057.518	0.085714	0.116834	0.733637	0.46317	0.872075	ENSMUSG0 Zfand3
ENSMUSG0	1282.541	0.197564	0.269305	0.733608	0.463187	0.872075	ENSMUSG0 Rsf1
ENSMUSG0	397.8229	-0.16635	0.2268	-0.73345	0.463285	0.872075	ENSMUSG0 Zfp277
ENSMUSG0	100.1745	0.316258	0.43131	0.733249	0.463407	0.872075	ENSMUSG0 Pcdhga11
ENSMUSG0	9.927558	-0.48283	0.658488	-0.73324	0.463413	0.872075	ENSMUSG0 Gm3807
ENSMUSG0	100.3672	-0.13963	0.190444	-0.73318	0.463448	0.872075	ENSMUSG0 Nmnat1
ENSMUSG0	44.84972	-0.23504	0.320585	-0.73315	0.463468	0.872075	ENSMUSG0 Slc29a2
ENSMUSG0	477.2361	0.243481	0.332133	0.733084	0.463507	0.872075	ENSMUSG0 Bst2
ENSMUSG0	1054.852	0.134507	0.183491	0.733045	0.463531	0.872075	ENSMUSG0 Manba
ENSMUSG0	23.21218	0.413897	0.564664	0.732997	0.46356	0.872075	ENSMUSG0 Npl
ENSMUSG0	152.1155	0.16957	0.231344	0.732975	0.463573	0.872075	ENSMUSG0 Ttll3
ENSMUSG0	161.6449	-0.29108	0.397121	-0.73298	0.463573	0.872075	ENSMUSG0 Ovol2
ENSMUSG0	7.255482	-0.41565	0.567075	-0.73297	0.463574	0.872075	ENSMUSG09430069I07
ENSMUSG0	244.9945	-0.11017	0.150357	-0.73273	0.463724	0.872075	ENSMUSG0 Tmem177
ENSMUSG0	658.7278	-0.11683	0.15945	-0.73272	0.463727	0.872075	ENSMUSG0 Grpel2
ENSMUSG0	263.2253	-0.30497	0.41622	-0.73271	0.463736	0.872075	ENSMUSG0 Pam16
ENSMUSG0	50.54832	-0.22564	0.308036	-0.73253	0.463847	0.872075	ENSMUSG0 Ccdc142os
ENSMUSG0	18.87614	0.541182	0.738804	0.73251	0.463857	0.872075	ENSMUSG0 Grip2
ENSMUSG0	731.5012	0.189067	0.258109	0.732507	0.463859	0.872075	ENSMUSG0 Lrch4
ENSMUSG0	1905.557	0.398744	0.54439	0.732461	0.463888	0.872075	ENSMUSG0 Mrln
ENSMUSG0	746.9471	0.169237	0.231079	0.732379	0.463938	0.872075	ENSMUSG0 Utp3
ENSMUSG0	707.8486	0.09005	0.122958	0.732369	0.463943	0.872075	ENSMUSG0 Rabggt
ENSMUSG0	607.2839	0.170637	0.233	0.732348	0.463956	0.872075	ENSMUSG0 Mns1
ENSMUSG0	1414.452	-0.22311	0.304741	-0.73214	0.464082	0.872075	ENSMUSG0 Aff1
ENSMUSG0	1384.63	-0.09789	0.133723	-0.732	0.464168	0.872075	ENSMUSG0 Slc35b2
ENSMUSG0	942.5696	-0.17105	0.233681	-0.732	0.464169	0.872075	ENSMUSG0 Neurl1a
ENSMUSG0	7417.044	-0.23468	0.320631	-0.73192	0.464217	0.872075	ENSMUSG0 Rps27rt
ENSMUSG0	3.362566	1.011897	1.382596	0.731882	0.464241	0.872075	ENSMUSG0 Mylk3
ENSMUSG0	149.3551	0.131834	0.180144	0.731824	0.464276	0.872075	ENSMUSG0D130017N
ENSMUSG0	217.2081	-0.20477	0.279809	-0.73182	0.464278	0.872075	ENSMUSG0 Gm7160
ENSMUSG0	4.912859	-0.50312	0.687523	-0.73179	0.464296	0.872075	ENSMUSG0 Adra1b
ENSMUSG0	10.85069	-0.64497	0.881447	-0.73171	0.464343	0.872075	ENSMUSG0 Greb1
ENSMUSG0	34.45058	-0.41394	0.56574	-0.73168	0.464366	0.872075	ENSMUSG09130002K1
ENSMUSG0	1062.957	0.126373	0.172718	0.731674	0.464367	0.872075	ENSMUSG0 Fam3c
ENSMUSG0	5.672362	-0.81094	1.10835	-0.73167	0.464372	0.872075	ENSMUSG0 Gm1604a
ENSMUSG0	41.82088	0.331921	0.453772	0.73147	0.464492	0.872096	ENSMUSG05330439M
ENSMUSG0	6.151408	-0.49526	0.677093	-0.73146	0.464501	0.872096	ENSMUSG0 Alox12b
ENSMUSG0	11225.15	-0.16217	0.221718	-0.73141	0.464526	0.872096	ENSMUSG0 Pebp1
ENSMUSG0	948.8075	-0.11529	0.157641	-0.73135	0.464565	0.872096	ENSMUSG0D1Ert622
ENSMUSG0	178.6547	-0.15468	0.211638	-0.73089	0.464849	0.872544	ENSMUSG0 Zfp428
ENSMUSG0	491.3184	-0.15511	0.212294	-0.73063	0.465006	0.872754	ENSMUSG0 Mrrf
ENSMUSG0	1251.722	-0.11945	0.163523	-0.73049	0.465093	0.872831	ENSMUSG0 Abcb9
ENSMUSG0	20.0243	0.602374	0.824732	0.730388	0.465153	0.872856	ENSMUSG0 Adamts8

ENSMUSG0	1492.202	-0.12027	0.164688	-0.73032	0.465196	0.872856	ENSMUSG0 Smad5
ENSMUSG0	3.928051	-0.73134	1.001809	-0.73002	0.465378	0.873111	ENSMUSG0 Gm28053
ENSMUSG0	20.50768	0.263194	0.360594	0.729891	0.465457	0.873174	ENSMUSG0 Gm12359
ENSMUSG0	475.7948	-0.09677	0.13262	-0.72969	0.465578	0.873317	ENSMUSG0 Rrp9
ENSMUSG0	9369.123	-0.18072	0.247695	-0.72961	0.46563	0.873328	ENSMUSG0 Oaz1
ENSMUSG0	302.7838	0.119466	0.16381	0.729291	0.465823	0.873567	ENSMUSG0 Brms1l
ENSMUSG0	179.0313	0.275659	0.378024	0.72921	0.465873	0.873567	ENSMUSG0 Bik
ENSMUSG0	10.7658	0.783944	1.075364	0.729003	0.466	0.873567	ENSMUSG0 Ighv6-6
ENSMUSG0	11.4659	-0.64484	0.88483	-0.72877	0.46614	0.873567	ENSMUSG0 Gm6863
ENSMUSG0	317.9517	0.110691	0.151887	0.728769	0.466143	0.873567	ENSMUSG0 Lefty1
ENSMUSG0	191.1363	-0.11066	0.151839	-0.72876	0.466146	0.873567	ENSMUSG0 Tango6
ENSMUSG0	239.3428	-0.1811	0.248526	-0.72869	0.466188	0.873567	ENSMUSG0 Sap30
ENSMUSG0	85.2602	0.69247	0.950346	0.72865	0.466216	0.873567	ENSMUSG0 Il7r
ENSMUSG0	2617.81	-0.15613	0.214283	-0.72861	0.466241	0.873567	ENSMUSG0 Lars
ENSMUSG0	7.882361	-0.56323	0.773135	-0.7285	0.466309	0.873567	ENSMUSG0 Gm28417
ENSMUSG0	675.2021	0.123706	0.169809	0.728498	0.466309	0.873567	ENSMUSG0 Rflnb
ENSMUSG0	121.0794	-0.18551	0.254693	-0.72835	0.466398	0.873567	ENSMUSG0 Taar1
ENSMUSG0	286.3367	-0.14143	0.194188	-0.72833	0.466413	0.873567	ENSMUSG0 Mto1
ENSMUSG0	363.262	-0.18373	0.252288	-0.72827	0.466447	0.873567	ENSMUSG0 Lnx2
ENSMUSG0	164.6272	-0.27851	0.382433	-0.72827	0.466451	0.873567	ENSMUSG0 Gm11423
ENSMUSG0	1163.274	-0.24297	0.333661	-0.72819	0.4665	0.873567	ENSMUSG0 Fuom
ENSMUSG0	635.7562	-0.21576	0.296322	-0.72814	0.466529	0.873567	ENSMUSG0 Abcb7
ENSMUSG0	320.218	-0.17798	0.244623	-0.72756	0.466883	0.87397	ENSMUSG0 Mrpl35
ENSMUSG0	754.6429	-0.25526	0.350885	-0.72748	0.466931	0.87397	ENSMUSG0 Vps36
ENSMUSG0	3.32034	1.061382	1.459359	0.727293	0.467046	0.87397	ENSMUSG0 Cd300c
ENSMUSG0	6.577477	0.566377	0.779005	0.727052	0.467194	0.87397	ENSMUSG0 Gm15421
ENSMUSG0	44.83238	0.234879	0.323057	0.727051	0.467195	0.87397	ENSMUSG0 Cdc6
ENSMUSG0	5.000235	0.525429	0.722705	0.727031	0.467207	0.87397	ENSMUSG0 Gm45737
ENSMUSG0	396.6396	0.220299	0.303025	0.727	0.467226	0.87397	ENSMUSG0 Lrch2
ENSMUSG0	4.377716	-0.93537	1.28662	-0.727	0.467228	0.87397	ENSMUSG0 Gm14044
ENSMUSG0	1514.757	-0.10274	0.141332	-0.72694	0.467264	0.87397	ENSMUSG0 Urgcp
ENSMUSG0	203.7197	0.155924	0.214498	0.726924	0.467273	0.87397	ENSMUSG0 Fam122b
ENSMUSG0	1242.972	-0.1468	0.201968	-0.72687	0.467307	0.87397	ENSMUSG0 Sowahc
ENSMUSG0	946.2036	0.136386	0.187671	0.726732	0.46739	0.87397	ENSMUSG0 Dipk2a
ENSMUSG0	21.15068	0.730501	1.005462	0.726532	0.467513	0.87397	ENSMUSG0 P2ry13
ENSMUSG0	270.1759	-0.18443	0.253929	-0.72629	0.467662	0.87397	ENSMUSG0 Trmt10b
ENSMUSG0	1242.693	-0.08827	0.121531	-0.72629	0.467663	0.87397	ENSMUSG0 Cog8
ENSMUSG0	29.73404	-0.60907	0.838621	-0.72628	0.467669	0.87397	ENSMUSG0 Gm15903
ENSMUSG0	745.3499	0.210885	0.290369	0.726263	0.467677	0.87397	ENSMUSG0 Usp32
ENSMUSG0	6.678314	-0.55752	0.767679	-0.72624	0.467689	0.87397	ENSMUSG0 Gm27217
ENSMUSG0	2229.771	0.177401	0.244304	0.726147	0.467749	0.87397	ENSMUSG0 Dag1
ENSMUSG0	374.6968	0.243743	0.335835	0.72578	0.467974	0.87397	ENSMUSG0 H2bu2
ENSMUSG0	368.7791	0.287152	0.395724	0.725638	0.468061	0.87397	ENSMUSG0 Mical1
ENSMUSG0	100.7478	0.217575	0.299844	0.725627	0.468067	0.87397	ENSMUSG0 Fbxo41
ENSMUSG0	2517.764	0.140152	0.193176	0.725514	0.468137	0.87397	ENSMUSG0 Oga
ENSMUSG0	113.4249	-0.18625	0.256712	-0.72551	0.468137	0.87397	ENSMUSG0 Ust
ENSMUSG0	1258.551	-0.12506	0.17238	-0.72548	0.468155	0.87397	ENSMUSG0 Spns1
ENSMUSG0	2421.109	-0.09647	0.13298	-0.72545	0.468175	0.87397	ENSMUSG0 Poldip3
ENSMUSG0	6.289441	-0.50383	0.694517	-0.72544	0.468181	0.87397	ENSMUSG0 Gm29438
ENSMUSG0	135.1719	-0.15999	0.220559	-0.72538	0.468216	0.87397	ENSMUSG0 Mgme1
ENSMUSG0	187.4544	0.170253	0.234723	0.725333	0.468248	0.87397	ENSMUSG0 Glmn
ENSMUSG0	471.0389	-0.1526	0.210393	-0.72532	0.468257	0.87397	ENSMUSG0 D3Erttd751e

ENSMUSG0	560.7927	0.164948	0.227427	0.725277	0.468282	0.87397	ENSMUSG0	Slc26a2
ENSMUSG0	4055.37	0.125351	0.172844	0.725228	0.468312	0.87397	ENSMUSG0	Cdc37
ENSMUSG0	8.330029	-0.4733	0.652655	-0.72519	0.468335	0.87397	ENSMUSG0	Gm45412
ENSMUSG0	7.301138	-0.47805	0.659408	-0.72497	0.468471	0.87397	ENSMUSG0	Gm48035
ENSMUSG0	858.3801	0.154827	0.213571	0.724947	0.468485	0.87397	ENSMUSG0	Fam117b
ENSMUSG0	272.3294	0.22509	0.310503	0.72492	0.468501	0.87397	ENSMUSG0	Rasgrp3
ENSMUSG0	19.42914	0.336032	0.463575	0.72487	0.468532	0.87397	ENSMUSG0	Gm42868
ENSMUSG0	5846.306	-0.11232	0.154956	-0.72484	0.468553	0.87397	ENSMUSG0	Clstn1
ENSMUSG0	295.5694	-0.17169	0.236868	-0.72482	0.468562	0.87397	ENSMUSG0	Ttc26
ENSMUSG0	295.4313	0.234552	0.323656	0.724695	0.468639	0.87403	ENSMUSG0	Sh3bp5
ENSMUSG0	80.44686	0.360527	0.497707	0.724377	0.468834	0.874309	ENSMUSG0	Pcdhgb4
ENSMUSG0	1292.254	-0.16942	0.233918	-0.72428	0.468893	0.874334	ENSMUSG0	Exoc5
ENSMUSG0	4293.761	0.122391	0.169005	0.724189	0.46895	0.874355	ENSMUSG0	Ankrd11
ENSMUSG0	943.5001	-0.18162	0.250872	-0.72397	0.469083	0.874519	ENSMUSG0	Steap2
ENSMUSG0	225.5808	-0.25124	0.347081	-0.72388	0.469141	0.874542	ENSMUSG0	Piga
ENSMUSG0	7.945679	0.515432	0.712121	0.723799	0.469189	0.874546	ENSMUSG0	Cabp4
ENSMUSG0	4.858241	-0.62377	0.862408	-0.72329	0.469504	0.875014	ENSMUSG0	Gm42421
ENSMUSG0	37919.93	0.121557	0.16808	0.723208	0.469552	0.875014	ENSMUSG0	Actg1
ENSMUSG0	85.87901	0.277116	0.383224	0.723117	0.469608	0.875014	ENSMUSG0	Syt15
ENSMUSG0	2.962804	0.710102	0.982476	0.722768	0.469823	0.875014	ENSMUSG0	Gm13431
ENSMUSG0	221.9515	0.220272	0.304776	0.722732	0.469845	0.875014	ENSMUSG0	Incenp
ENSMUSG0	131.0548	0.154267	0.213465	0.722677	0.469878	0.875014	ENSMUSG0	4930581F2
ENSMUSG0	70.02273	-0.21212	0.293525	-0.72266	0.46989	0.875014	ENSMUSG0	Zfp429
ENSMUSG0	2559.182	0.182981	0.253206	0.722654	0.469893	0.875014	ENSMUSG0	Klc1
ENSMUSG0	3002.493	-0.21893	0.30301	-0.72253	0.469966	0.875014	ENSMUSG0	Ern1
ENSMUSG0	2.963365	-0.99567	1.378243	-0.72242	0.470038	0.875014	ENSMUSG0	Gm37516
ENSMUSG0	7.134388	-0.5444	0.753664	-0.72233	0.470089	0.875014	ENSMUSG0	Gm42717
ENSMUSG0	606.4652	-0.14286	0.197791	-0.72229	0.470114	0.875014	ENSMUSG0	Tmem198
ENSMUSG0	366.0782	-0.17546	0.242926	-0.72226	0.470133	0.875014	ENSMUSG0	Nudt22
ENSMUSG0	8.579645	-0.42792	0.592565	-0.72216	0.470199	0.875014	ENSMUSG0	Gm43627
ENSMUSG0	257.3402	-0.18544	0.256792	-0.72215	0.470202	0.875014	ENSMUSG0	Amn1
ENSMUSG0	276.9903	0.230671	0.319474	0.722033	0.470274	0.875014	ENSMUSG0	Pmf1
ENSMUSG0	1667.07	0.119246	0.165165	0.721979	0.470307	0.875014	ENSMUSG0	Fbxw11
ENSMUSG0	279.0801	-0.22045	0.305343	-0.72196	0.47032	0.875014	ENSMUSG0	Cks1b
ENSMUSG0	1160.709	-0.10909	0.15112	-0.72188	0.470369	0.875014	ENSMUSG0	Hspbp1
ENSMUSG0	632.8236	0.107768	0.149315	0.721745	0.470451	0.875014	ENSMUSG0	Cep57
ENSMUSG0	40.54801	0.221308	0.306645	0.721708	0.470474	0.875014	ENSMUSG0	Pfn4
ENSMUSG0	15.03053	-0.40349	0.559074	-0.7217	0.470477	0.875014	ENSMUSG0	Gm43230
ENSMUSG0	12.27654	0.538918	0.746746	0.721689	0.470486	0.875014	ENSMUSG0	Ripor3
ENSMUSG0	20.44671	0.367448	0.50929	0.721492	0.470607	0.875154	ENSMUSG0	Pcdh10
ENSMUSG0	13.01306	-0.3429	0.475422	-0.72126	0.470749	0.875334	ENSMUSG0	Gm34006
ENSMUSG0	659.1383	-0.13392	0.1857	-0.72116	0.470808	0.875359	ENSMUSG0	Heatr5b
ENSMUSG0	1277.865	-0.2344	0.325148	-0.72089	0.470975	0.875584	ENSMUSG0	Bex4
ENSMUSG0	254.5019	-0.15177	0.21069	-0.72037	0.471299	0.876029	ENSMUSG0	Fxn
ENSMUSG0	1680.476	-0.16401	0.227684	-0.72036	0.471305	0.876029	ENSMUSG0	Rfx6
ENSMUSG0	2321.85	0.202577	0.281319	0.7201	0.471463	0.876239	ENSMUSG0	Hectd1
ENSMUSG0	101.4515	-0.19376	0.269142	-0.71993	0.47157	0.876321	ENSMUSG0	Ybey
ENSMUSG0	1485.245	0.166702	0.231583	0.719837	0.471626	0.876321	ENSMUSG0	Ndn
ENSMUSG0	435.3757	0.152848	0.212385	0.719676	0.471725	0.876321	ENSMUSG0	Cby1
ENSMUSG0	1381.815	0.159985	0.222303	0.719674	0.471726	0.876321	ENSMUSG0	Gigyf1
ENSMUSG0	395.9917	0.145323	0.201933	0.719658	0.471735	0.876321	ENSMUSG0	Lrrc40
ENSMUSG0	1938.987	-0.11088	0.154104	-0.71952	0.471819	0.876325	ENSMUSG0	Phb2

ENSMUSG0	4834.651	-0.17475	0.24288	-0.71951	0.471829	0.876325	ENSMUSG0 Rbbp4
ENSMUSG0	2187.707	-0.2584	0.359198	-0.71939	0.471901	0.876366	ENSMUSG0 Glrx5
ENSMUSG0	1187.453	-0.15031	0.209026	-0.71909	0.472086	0.876366	ENSMUSG0 Eif2a
ENSMUSG0	18.96141	-0.322	0.447792	-0.71909	0.472087	0.876366	ENSMUSG0 E330037G1
ENSMUSG0	74.94011	-0.22988	0.31969	-0.71908	0.472094	0.876366	ENSMUSG0 Cfap61
ENSMUSG0	347.6301	-0.23864	0.331891	-0.71902	0.472126	0.876366	ENSMUSG0 Uxt
ENSMUSG0	105.6648	-0.26754	0.372103	-0.71899	0.472149	0.876366	ENSMUSG0 Lrrc27
ENSMUSG0	177.5325	-0.12119	0.168578	-0.71888	0.472213	0.876366	ENSMUSG0 Thg1l
ENSMUSG0	58.22592	-0.21789	0.303094	-0.71888	0.472215	0.876366	ENSMUSG0 Gm9920
ENSMUSG0	60.79464	-0.29679	0.412993	-0.71863	0.472368	0.876424	ENSMUSG0 Gm45351
ENSMUSG0	28.01883	0.335833	0.467407	0.718502	0.472448	0.876424	ENSMUSG0 Traip
ENSMUSG0	4.50941	-0.68438	0.952742	-0.71832	0.472559	0.876424	ENSMUSG0 Gm49573
ENSMUSG0	17.17532	-0.41971	0.584391	-0.71821	0.47263	0.876424	ENSMUSG0 Gm43039
ENSMUSG0	226.5432	-0.20828	0.290018	-0.71818	0.472647	0.876424	ENSMUSG0 Sdsl
ENSMUSG0	1199.902	0.127884	0.178081	0.718121	0.472683	0.876424	ENSMUSG0 Slu7
ENSMUSG0	3.299803	0.781246	1.087958	0.718084	0.472705	0.876424	ENSMUSG0 Gm37786
ENSMUSG0	631.0176	-0.15135	0.2108	-0.71797	0.472773	0.876424	ENSMUSG0 Rcor3
ENSMUSG0	6647.162	-0.14202	0.197809	-0.71797	0.472775	0.876424	ENSMUSG0 Krt7
ENSMUSG0	587.7978	0.253028	0.352446	0.717921	0.472806	0.876424	ENSMUSG0 N4bp2
ENSMUSG0	809.5241	0.11164	0.15551	0.717891	0.472824	0.876424	ENSMUSG0 Zadh2
ENSMUSG0	933.8989	0.188441	0.262518	0.71782	0.472868	0.876424	ENSMUSG0 Stx4a
ENSMUSG0	5.020417	-0.53751	0.748944	-0.71769	0.472946	0.876424	ENSMUSG0 Gm37510
ENSMUSG0	289.9816	-0.18023	0.251171	-0.71757	0.47302	0.876424	ENSMUSG0 Cdh4
ENSMUSG0	462.5693	-0.33673	0.469271	-0.71755	0.473033	0.876424	ENSMUSG0 Smim4
ENSMUSG0	47.72134	-0.31535	0.439477	-0.71755	0.473034	0.876424	ENSMUSG0 Cdnf
ENSMUSG0	40.00329	-0.27877	0.388548	-0.71748	0.473081	0.876424	ENSMUSG0 Mxd3
ENSMUSG0	17.93492	0.37176	0.518152	0.717472	0.473083	0.876424	ENSMUSG0 Lrig3
ENSMUSG0	124.301	0.204096	0.284536	0.717294	0.473193	0.876424	ENSMUSG0 Zfp385a
ENSMUSG0	2024.001	-0.27138	0.378402	-0.71718	0.473264	0.876424	ENSMUSG0 Cox17
ENSMUSG0	581.2176	-0.19058	0.265786	-0.71704	0.473348	0.876424	ENSMUSG0 Rai2
ENSMUSG0	2329.801	-0.18388	0.256511	-0.71685	0.473467	0.876424	ENSMUSG0 Tmem50a
ENSMUSG0	4.204909	0.765261	1.067554	0.716837	0.473475	0.876424	ENSMUSG0 Rec114
ENSMUSG0	4.193573	0.794935	1.109176	0.71669	0.473565	0.876424	ENSMUSG0 Gm38192
ENSMUSG0	1424.433	-0.07778	0.10853	-0.71664	0.473595	0.876424	ENSMUSG0 Smad4
ENSMUSG0	721.0883	0.537027	0.749414	0.716596	0.473623	0.876424	ENSMUSG0 Fn1
ENSMUSG0	202.4731	0.176144	0.245811	0.716585	0.47363	0.876424	ENSMUSG0 Zscan18
ENSMUSG0	434.2915	-0.11709	0.163407	-0.71655	0.47365	0.876424	ENSMUSG0 Oxnad1
ENSMUSG0	41.62687	0.429195	0.599021	0.716495	0.473686	0.876424	ENSMUSG0 Cacna1g
ENSMUSG0	182.3584	-0.24774	0.345776	-0.71647	0.473703	0.876424	ENSMUSG0 Rpl36-ps12
ENSMUSG0	811.9259	-0.16062	0.224194	-0.71644	0.47372	0.876424	ENSMUSG0 Nsmce3
ENSMUSG0	888.4562	-0.18249	0.254741	-0.71639	0.473749	0.876424	ENSMUSG0 Grtp1
ENSMUSG0	332.455	0.208746	0.291386	0.716391	0.47375	0.876424	ENSMUSG0 Sh2d3c
ENSMUSG0	653.3283	-0.31224	0.436025	-0.71612	0.473919	0.87658	ENSMUSG0 Dnajc15
ENSMUSG0	139.5773	0.229954	0.321117	0.716106	0.473926	0.87658	ENSMUSG0 Lipt2
ENSMUSG0	235.0028	-0.13865	0.193646	-0.71602	0.47398	0.876597	ENSMUSG0 Scrn2
ENSMUSG0	865.3112	0.145467	0.203194	0.715901	0.474052	0.876646	ENSMUSG0 Zfp266
ENSMUSG0	480.7782	-0.17509	0.24464	-0.7157	0.474174	0.876669	ENSMUSG0 Ccng2
ENSMUSG0	6.105794	0.54344	0.7594	0.715618	0.474227	0.876669	ENSMUSG0 H2ac20
ENSMUSG0	176.3797	-0.15185	0.212197	-0.7156	0.474236	0.876669	ENSMUSG0 Platr25
ENSMUSG0	152.8471	-0.11092	0.15501	-0.71559	0.474248	0.876669	ENSMUSG0 Naif1
ENSMUSG0	298.5521	0.310817	0.434397	0.715512	0.474293	0.876669	ENSMUSG0 Gimap1
ENSMUSG0	2.993534	1.059437	1.481464	0.715128	0.47453	0.876949	ENSMUSG0 Ighv9-4

ENSMUSG0	790.5191	-0.09257	0.129443	-0.71512	0.474535	0.876949	ENSMUSG0 Drg2
ENSMUSG0	3.955476	-0.78596	1.099238	-0.71501	0.474604	0.876986	ENSMUSG0 Gm12097
ENSMUSG0	177.4962	0.157344	0.22008	0.714939	0.474647	0.876986	ENSMUSG0 Apex2
ENSMUSG0	34.79194	0.370004	0.517649	0.714776	0.474747	0.877043	ENSMUSG0 Gm14403
ENSMUSG0	11.53739	-0.36083	0.504865	-0.7147	0.474793	0.877043	ENSMUSG0 Gm15848
ENSMUSG0	4.252979	0.669891	0.937406	0.714622	0.474842	0.877043	ENSMUSG0 Best1
ENSMUSG0	428.6933	-0.19609	0.274414	-0.71459	0.474864	0.877043	ENSMUSG0 Abcc10
ENSMUSG0	7.297028	0.436643	0.611099	0.714521	0.474905	0.877043	ENSMUSG0 Gm12406
ENSMUSG0	57.46549	0.281929	0.394647	0.714381	0.474991	0.877118	ENSMUSG0 Mertk
ENSMUSG0	1423.741	0.09888	0.138468	0.714096	0.475168	0.877325	ENSMUSG0 Calcoco1
ENSMUSG0	1121.124	-0.16452	0.230409	-0.71405	0.475195	0.877325	ENSMUSG0 Kat7
ENSMUSG0	4.023511	-0.71847	1.006329	-0.71395	0.475255	0.877352	ENSMUSG0 Gm47234
ENSMUSG0	5.060448	0.515658	0.722831	0.713387	0.475606	0.877737	ENSMUSG0 2310047D0
ENSMUSG0	948.3076	0.146493	0.205355	0.713366	0.475619	0.877737	ENSMUSG0 Fam192a
ENSMUSG0	163.4575	-0.19057	0.267193	-0.71324	0.475697	0.877737	ENSMUSG0 Tfb1m
ENSMUSG0	191.6882	-0.25028	0.350928	-0.7132	0.475723	0.877737	ENSMUSG0 Homer1
ENSMUSG0	1293.416	-0.13217	0.185347	-0.71312	0.475774	0.877737	ENSMUSG0 Wbp11
ENSMUSG0	40.8749	0.584001	0.819055	0.713018	0.475834	0.877737	ENSMUSG0 Clec10a
ENSMUSG0	68.08282	-0.29919	0.419665	-0.71294	0.475886	0.877737	ENSMUSG0 Susd3
ENSMUSG0	68.12045	-0.1815	0.254597	-0.71291	0.475902	0.877737	ENSMUSG0 Gm11696
ENSMUSG0	665.7187	-0.1509	0.211682	-0.71288	0.47592	0.877737	ENSMUSG0 Zkscan17
ENSMUSG0	3314.636	-0.10881	0.15267	-0.71275	0.476003	0.87774	ENSMUSG0 Srsf7
ENSMUSG0	3393.996	-0.1788	0.250871	-0.71273	0.476013	0.87774	ENSMUSG0 Atp5c1
ENSMUSG0	12.39009	0.369172	0.51809	0.712564	0.476116	0.87776	ENSMUSG0 Gm16211
ENSMUSG0	160.6997	0.215901	0.303038	0.712455	0.476183	0.87776	ENSMUSG0 Nos3
ENSMUSG0	117.6248	-0.20589	0.289009	-0.71239	0.476221	0.87776	ENSMUSG0 Llph-ps2
ENSMUSG0	181.4762	-0.16405	0.230318	-0.71226	0.476303	0.87776	ENSMUSG0 Gm45871
ENSMUSG0	17.90365	-0.45511	0.639081	-0.71213	0.476386	0.87776	ENSMUSG0 Gm17971
ENSMUSG0	52.42644	0.233739	0.328267	0.712039	0.47644	0.87776	ENSMUSG0 Pir
ENSMUSG0	149.5789	-0.16885	0.237195	-0.71185	0.476556	0.87776	ENSMUSG0 Gm3294
ENSMUSG0	341.4316	0.1218	0.171116	0.711801	0.476588	0.87776	ENSMUSG0 Brd3os
ENSMUSG0	10701.32	-0.18	0.252931	-0.71166	0.476675	0.87776	ENSMUSG0 Rap1gap2
ENSMUSG0	499.1604	-0.134	0.188301	-0.71165	0.476679	0.87776	ENSMUSG0 Pdcd7
ENSMUSG0	1503.496	-0.2151	0.302339	-0.71144	0.476812	0.87776	ENSMUSG0 Tpt1-ps3
ENSMUSG0	3406.535	-0.11127	0.156417	-0.7114	0.476839	0.87776	ENSMUSG0 Elp3
ENSMUSG0	680.6866	-0.19319	0.271567	-0.71139	0.476845	0.87776	ENSMUSG0 Cog5
ENSMUSG0	35.14441	0.275753	0.387657	0.711331	0.476879	0.87776	ENSMUSG0 Ldb3
ENSMUSG0	1890.348	-0.19765	0.277936	-0.71113	0.477004	0.87776	ENSMUSG0 Hmox2
ENSMUSG0	8181.412	-0.12652	0.177937	-0.71106	0.477047	0.87776	ENSMUSG0 Gnb2
ENSMUSG0	282.9674	0.356952	0.502009	0.711047	0.477055	0.87776	ENSMUSG0 Atp7a
ENSMUSG0	13.67144	0.475563	0.668834	0.711033	0.477064	0.87776	ENSMUSG0 Gapt
ENSMUSG0	695.9112	0.263937	0.371222	0.710995	0.477088	0.87776	ENSMUSG0 Ctsh
ENSMUSG0	513.9522	-0.29833	0.419602	-0.71099	0.47709	0.87776	ENSMUSG0 Adcy9
ENSMUSG0	13.59035	-0.42209	0.593717	-0.71092	0.477132	0.87776	ENSMUSG0 Gm45413
ENSMUSG0	18.00421	0.54785	0.770892	0.710671	0.477288	0.87776	ENSMUSG0 Epha3
ENSMUSG0	72.96386	0.382187	0.537815	0.71063	0.477314	0.87776	ENSMUSG0 Gas1
ENSMUSG0	2083.326	0.111641	0.157169	0.710328	0.477501	0.87776	ENSMUSG0 Flot2
ENSMUSG0	4.776707	0.660797	0.930286	0.710316	0.477508	0.87776	ENSMUSG0 Bmper
ENSMUSG0	1930.112	-0.15684	0.22081	-0.71028	0.477531	0.87776	ENSMUSG0 Psmd6
ENSMUSG0	30.3124	-0.25929	0.365088	-0.71021	0.477572	0.87776	ENSMUSG0 4930515G0
ENSMUSG0	432.062	-0.1262	0.177722	-0.71007	0.477658	0.87776	ENSMUSG0 Rspry1
ENSMUSG0	1551.665	-0.12253	0.172564	-0.71007	0.477659	0.87776	ENSMUSG0 Sirt2

ENSMUSG0	54.83449	0.464601	0.654333	0.710037	0.477682	0.87776	ENSMUSG0	Sidt1
ENSMUSG0	611.8059	0.130122	0.183276	0.709978	0.477718	0.87776	ENSMUSG0	Cc2d2a
ENSMUSG0	419.3371	-0.16033	0.225835	-0.70996	0.477727	0.87776	ENSMUSG0	Prkab2
ENSMUSG0	540.5702	0.193874	0.273113	0.709868	0.477786	0.87776	ENSMUSG0	Nfatc1
ENSMUSG0	11.5403	-0.41518	0.584878	-0.70986	0.477791	0.87776	ENSMUSG0	Pramef12
ENSMUSG0	36.40422	0.335058	0.472141	0.709656	0.477917	0.87776	ENSMUSG0	Zfp872
ENSMUSG0	7.82363	-0.507	0.714439	-0.70965	0.477923	0.87776	ENSMUSG0	Gm15841
ENSMUSG0	75.8773	0.152426	0.214796	0.70963	0.477934	0.87776	ENSMUSG0	Gm43860
ENSMUSG0	2100.753	0.1486	0.209414	0.709596	0.477955	0.87776	ENSMUSG0	Trp53bp1
ENSMUSG0	607.7673	0.246853	0.347923	0.709503	0.478012	0.87776	ENSMUSG0	C1qb
ENSMUSG0	42.41665	0.428316	0.603791	0.709378	0.47809	0.87776	ENSMUSG0	Gm38190
ENSMUSG0	515.377	0.23261	0.327915	0.709361	0.478101	0.87776	ENSMUSG0	Cep250
ENSMUSG0	909.51	0.118494	0.167046	0.70935	0.478107	0.87776	ENSMUSG0	Sf3a3
ENSMUSG0	6.06081	0.546899	0.771147	0.709202	0.478199	0.87776	ENSMUSG0	Grid2
ENSMUSG0	1574.725	-0.18816	0.265349	-0.70909	0.478266	0.87776	ENSMUSG0	Tmbim4
ENSMUSG0	1034.926	0.14504	0.204551	0.709064	0.478285	0.87776	ENSMUSG0	Nelfcd
ENSMUSG0	1464.253	-0.18446	0.260163	-0.70901	0.478316	0.87776	ENSMUSG0	Clock
ENSMUSG0	104.5	-0.19132	0.269849	-0.70897	0.478342	0.87776	ENSMUSG0	Ccdc57
ENSMUSG0	790.4631	-0.15048	0.212247	-0.70897	0.478344	0.87776	ENSMUSG0	Thap12
ENSMUSG0	1986.952	-0.15142	0.213625	-0.70882	0.478434	0.87776	ENSMUSG0	Ireb2
ENSMUSG0	238.1906	-0.11894	0.167803	-0.70881	0.478445	0.87776	ENSMUSG0	Exosc1
ENSMUSG0	143.5498	-0.18944	0.267284	-0.70878	0.478464	0.87776	ENSMUSG0	Zfp59
ENSMUSG0	3692.83	-0.16633	0.234682	-0.70875	0.478478	0.87776	ENSMUSG0	Scp2
ENSMUSG0	3.425143	-0.65745	0.927726	-0.70867	0.478529	0.87776	ENSMUSG0	Tbr1
ENSMUSG0	1213.289	-0.1205	0.17006	-0.70856	0.478596	0.87776	ENSMUSG0	Washc2
ENSMUSG0	921.0761	-0.15166	0.214066	-0.70849	0.478644	0.87776	ENSMUSG0	Depp1
ENSMUSG0	6492.695	-0.1448	0.20439	-0.70844	0.478671	0.87776	ENSMUSG0	Serinc3
ENSMUSG0	271.5484	-0.2182	0.308012	-0.70841	0.478689	0.87776	ENSMUSG0	Mrps36
ENSMUSG0	30.54949	-0.35786	0.505194	-0.70837	0.478716	0.87776	ENSMUSG0	Rmi2
ENSMUSG0	612.5722	0.111065	0.156823	0.708215	0.478812	0.877852	ENSMUSG0	Npc1
ENSMUSG0	357.8475	-0.29433	0.415665	-0.70809	0.478889	0.87791	ENSMUSG0	Zfp560
ENSMUSG0	209.1377	0.191318	0.270331	0.70772	0.479119	0.878162	ENSMUSG0	Ctf1
ENSMUSG0	734.4895	-0.12235	0.172893	-0.70766	0.479156	0.878162	ENSMUSG0	Herc4
ENSMUSG0	1970.172	0.079353	0.112147	0.707581	0.479205	0.878162	ENSMUSG0	Nub1
ENSMUSG0	419.1417	-0.10666	0.150743	-0.70758	0.479209	0.878162	ENSMUSG0	Fut11
ENSMUSG0	10.12652	-0.44213	0.625007	-0.70741	0.479313	0.878194	ENSMUSG0	Gm31036
ENSMUSG0	1812.398	-0.08943	0.126429	-0.70734	0.479352	0.878194	ENSMUSG0	Cs
ENSMUSG0	1010.237	-0.07817	0.110519	-0.70728	0.479395	0.878194	ENSMUSG0	Exosc10
ENSMUSG0	1778.207	-0.08703	0.123053	-0.70725	0.479409	0.878194	ENSMUSG0	Pomgnt2
ENSMUSG0	963.1595	0.134937	0.190864	0.706977	0.479581	0.878363	ENSMUSG0	Caskin2
ENSMUSG0	8.626866	-0.59666	0.844052	-0.7069	0.479631	0.878363	ENSMUSG0	Slc19a3
ENSMUSG0	3.057518	-0.72689	1.028303	-0.70688	0.479638	0.878363	ENSMUSG0	Wnt10b
ENSMUSG0	28.2671	0.454944	0.643754	0.706705	0.47975	0.878448	ENSMUSG0	Gm44126
ENSMUSG0	33.05942	0.285281	0.403744	0.706588	0.479822	0.878448	ENSMUSG0	E130102H2
ENSMUSG0	2051.193	0.176828	0.25028	0.706522	0.479864	0.878448	ENSMUSG0	Sdf2
ENSMUSG0	156.5653	-0.20044	0.283705	-0.70652	0.479868	0.878448	ENSMUSG0	Gm20342
ENSMUSG0	20.09634	-0.64727	0.916575	-0.70618	0.480076	0.878695	ENSMUSG0	Hist1h4m
ENSMUSG0	10.98257	0.431326	0.610829	0.706133	0.480106	0.878695	ENSMUSG0	Gm49417
ENSMUSG0	548.8561	-0.13849	0.196135	-0.70608	0.480139	0.878695	ENSMUSG0	Trim7
ENSMUSG0	1720.175	0.121183	0.171722	0.705693	0.480379	0.878968	ENSMUSG0	Hacd3
ENSMUSG0	163.4394	-0.17726	0.251218	-0.7056	0.480437	0.878968	ENSMUSG0	Ap5b1
ENSMUSG0	3840.604	-0.10642	0.150843	-0.70549	0.480503	0.878968	ENSMUSG0	Rtcb

ENSMUSG0	102.7006	-0.18075	0.256205	-0.70549	0.480508	0.878968	ENSMUSG0 Mterf1a
ENSMUSG0	956.1337	-0.19121	0.271065	-0.7054	0.480562	0.878968	ENSMUSG0 Cstb
ENSMUSG0	1141.975	-0.13163	0.186621	-0.70535	0.48059	0.878968	ENSMUSG0 Smarcal1
ENSMUSG0	2413.978	-0.15458	0.219159	-0.70532	0.480608	0.878968	ENSMUSG0 Hnrnpul1
ENSMUSG0	498.4557	-0.14526	0.205997	-0.70518	0.480699	0.879049	ENSMUSG0 Cept1
ENSMUSG0	387.139	0.169069	0.239787	0.705079	0.480761	0.87908	ENSMUSG0 Naa80
ENSMUSG0	157.8502	0.169873	0.240996	0.704881	0.480884	0.879179	ENSMUSG0 Cdr2l
ENSMUSG0	59.69932	-0.42581	0.604202	-0.70475	0.480965	0.879179	ENSMUSG0 Phf11b
ENSMUSG0	825.0571	-0.17013	0.241419	-0.70469	0.481002	0.879179	ENSMUSG0 Usp45
ENSMUSG0	42.03543	0.243964	0.346252	0.704584	0.481069	0.879179	ENSMUSG0 Foxs1
ENSMUSG0	272.8402	0.218229	0.309735	0.704567	0.481079	0.879179	ENSMUSG0 Irak2
ENSMUSG0	475.4819	-0.1356	0.192463	-0.70455	0.481089	0.879179	ENSMUSG0 Arl14ep
ENSMUSG0	18.08607	0.502792	0.713788	0.704399	0.481184	0.879269	ENSMUSG0 Lsmem2
ENSMUSG0	2632.576	-0.14406	0.204578	-0.7042	0.481305	0.879379	ENSMUSG0 Gnptg
ENSMUSG0	906.1311	0.156285	0.222019	0.703928	0.481477	0.879379	ENSMUSG0 Rbl2
ENSMUSG0	11.50248	-0.81153	1.152862	-0.70392	0.481481	0.879379	ENSMUSG0 Ighv2-2
ENSMUSG0	169.6289	0.195141	0.277222	0.703916	0.481485	0.879379	ENSMUSG0 Zfp287
ENSMUSG0	924.0391	0.24004	0.341046	0.703834	0.481536	0.879379	ENSMUSG0 Phc3
ENSMUSG0	7.274484	-0.51796	0.735983	-0.70376	0.48158	0.879379	ENSMUSG0 4930426L0
ENSMUSG0	510.4226	0.182148	0.25886	0.703655	0.481648	0.879379	ENSMUSG0 Pex1
ENSMUSG0	49.69416	-0.59607	0.847121	-0.70365	0.481653	0.879379	ENSMUSG0 Prss1
ENSMUSG0	713.9929	0.180759	0.256891	0.703641	0.481656	0.879379	ENSMUSG0 Luzp1
ENSMUSG0	3.986359	-0.68483	0.973793	-0.70326	0.481897	0.879657	ENSMUSG0 Gm37673
ENSMUSG0	3789.529	-0.15453	0.219738	-0.70325	0.4819	0.879657	ENSMUSG0 Rad21
ENSMUSG0	7.224666	-0.40398	0.574823	-0.70279	0.482187	0.879867	ENSMUSG0 Rpl35a-ps2
ENSMUSG0	193.3474	0.33679	0.479276	0.702705	0.48224	0.879867	ENSMUSG0 Spi1
ENSMUSG0	473.498	-0.12513	0.178076	-0.7027	0.482242	0.879867	ENSMUSG0 Zfp810
ENSMUSG0	12.92883	0.347648	0.494744	0.702682	0.482254	0.879867	ENSMUSG0 Dusp27
ENSMUSG0	337.5734	-0.1295	0.184353	-0.70245	0.482396	0.879867	ENSMUSG0 Kctd6
ENSMUSG0	351.9537	-0.16906	0.240672	-0.70244	0.482408	0.879867	ENSMUSG0 Pcbd2
ENSMUSG0	3.619302	0.590408	0.840556	0.702401	0.482429	0.879867	ENSMUSG0 Gm31728
ENSMUSG0	617.316	-0.14367	0.204547	-0.70238	0.482443	0.879867	ENSMUSG0 Acot11
ENSMUSG0	6739.894	-0.13198	0.187913	-0.70234	0.482466	0.879867	ENSMUSG0 Spcs2
ENSMUSG0	164.0165	-0.22914	0.326298	-0.70225	0.482526	0.879867	ENSMUSG0 Disp1
ENSMUSG0	20.27272	-0.26293	0.374441	-0.7022	0.482557	0.879867	ENSMUSG0 Gm10366
ENSMUSG0	4.742341	-0.69745	0.993263	-0.70218	0.482564	0.879867	ENSMUSG0 493059210
ENSMUSG0	4.873293	-0.76213	1.086008	-0.70177	0.482822	0.880254	ENSMUSG0 Myo3a
ENSMUSG0	92.66945	0.269424	0.384021	0.701588	0.482936	0.88028	ENSMUSG0 Map3k8
ENSMUSG0	3852.358	-0.14416	0.205493	-0.70153	0.482973	0.88028	ENSMUSG0 Rere
ENSMUSG0	26.89362	-0.35268	0.502797	-0.70143	0.483034	0.88028	ENSMUSG0 Gpr160
ENSMUSG0	1105.17	0.113377	0.161647	0.701389	0.48306	0.88028	ENSMUSG0 Stk38
ENSMUSG0	23.07537	0.547386	0.780519	0.70131	0.483109	0.88028	ENSMUSG0 Igkv5-48
ENSMUSG0	160.5883	-0.20614	0.293937	-0.70131	0.483111	0.88028	ENSMUSG0 Mgmt
ENSMUSG0	1413.464	-0.15647	0.223176	-0.7011	0.48324	0.880418	ENSMUSG0 Mrpl28
ENSMUSG0	910.8224	-0.14951	0.21329	-0.70095	0.483333	0.880418	ENSMUSG0 Smpd2
ENSMUSG0	25.2734	-0.24576	0.350642	-0.7009	0.483365	0.880418	ENSMUSG0 Gm43848
ENSMUSG0	1124.504	-0.12466	0.17786	-0.70089	0.483369	0.880418	ENSMUSG0 Nolc1
ENSMUSG0	56.70239	-0.22384	0.319434	-0.70075	0.483461	0.880502	ENSMUSG0 Dnase1l2
ENSMUSG0	42.52971	0.44679	0.637695	0.700633	0.483532	0.880548	ENSMUSG0 Ifi208
ENSMUSG0	6.085298	0.606894	0.866557	0.700351	0.483708	0.880712	ENSMUSG0 Tcerg1l
ENSMUSG0	657.4077	0.115099	0.164347	0.700342	0.483714	0.880712	ENSMUSG0 Socs6
ENSMUSG0	53.6609	-0.19777	0.282456	-0.70018	0.483812	0.880738	ENSMUSG0 Gm29170

ENSMUSG0	331.8209	-0.13582	0.194019	-0.70005	0.483897	0.880738	ENSMUSG0 Kantr
ENSMUSG0	797.5076	-0.22913	0.327344	-0.69996	0.483953	0.880738	ENSMUSG0 Mccc1
ENSMUSG0	500.7398	0.148434	0.212074	0.699915	0.48398	0.880738	ENSMUSG0 Ifih1
ENSMUSG0	246.5668	0.797857	1.13996	0.699899	0.48399	0.880738	ENSMUSG0 Gm10163
ENSMUSG0	12.64035	0.360183	0.514741	0.699736	0.484092	0.880738	ENSMUSG0 Slc1a2
ENSMUSG0	159.8915	0.171488	0.245092	0.699687	0.484123	0.880738	ENSMUSG0 Cdkn1c
ENSMUSG0	464.5271	-0.09702	0.138662	-0.69968	0.484126	0.880738	ENSMUSG0 Fam89b
ENSMUSG0	90.0999	-0.27017	0.386152	-0.69966	0.48414	0.880738	ENSMUSG0A230051NC
ENSMUSG0	988.5809	0.165052	0.235931	0.699579	0.48419	0.880745	ENSMUSG0 Tmem87b
ENSMUSG0	738.5895	-0.13927	0.199169	-0.69923	0.484407	0.880983	ENSMUSG0 Esco1
ENSMUSG0	451.5293	-0.18294	0.261678	-0.69912	0.484478	0.880983	ENSMUSG0 Dmac1
ENSMUSG0	514.6373	-0.20896	0.298897	-0.6991	0.48449	0.880983	ENSMUSG0 Shtn1
ENSMUSG0	1192.573	-0.14165	0.202626	-0.69905	0.484518	0.880983	ENSMUSG0 Zfp598
ENSMUSG0	3.942279	0.801947	1.147271	0.699004	0.48455	0.880983	ENSMUSG0 Pou2f3
ENSMUSG0	5.087147	0.606348	0.867796	0.698722	0.484726	0.881042	ENSMUSG0 Zfp804b
ENSMUSG0	3.694799	-1.1721	1.677807	-0.69859	0.484808	0.881042	ENSMUSG0 Ighv13-2
ENSMUSG0	1271.943	-0.10202	0.146047	-0.69857	0.484819	0.881042	ENSMUSG0 Vps52
ENSMUSG0	2735.097	0.135672	0.19422	0.698548	0.484834	0.881042	ENSMUSG0 Lrpap1
ENSMUSG0	486.3929	0.173744	0.248765	0.698426	0.484911	0.881042	ENSMUSG0 Zfp426
ENSMUSG0	9854.52	-0.17519	0.250852	-0.69837	0.484945	0.881042	ENSMUSG0 Tmem59
ENSMUSG0	50.46915	0.229402	0.328514	0.698301	0.484989	0.881042	ENSMUSG0 Gprc6a
ENSMUSG0	71.29656	0.450857	0.645673	0.698274	0.485006	0.881042	ENSMUSG0 Arl5c
ENSMUSG0	17.25022	-0.41666	0.596745	-0.69822	0.485039	0.881042	ENSMUSG04930519P1
ENSMUSG0	3271.993	-0.11418	0.163537	-0.69818	0.485064	0.881042	ENSMUSG0 Cdk5rap3
ENSMUSG0	1859.896	0.137785	0.197359	0.698146	0.485086	0.881042	ENSMUSG0 Tor3a
ENSMUSG0	908.8573	-0.15684	0.224701	-0.698	0.485177	0.881086	ENSMUSG0 Zc3h18
ENSMUSG0	1697.044	-0.15811	0.226534	-0.69796	0.485202	0.881086	ENSMUSG0 Sgms2
ENSMUSG0	1362.206	-0.17382	0.249291	-0.69727	0.485632	0.881711	ENSMUSG0 Cd44
ENSMUSG0	26.39155	-0.39757	0.570191	-0.69726	0.485638	0.881711	ENSMUSG0 Gm37553
ENSMUSG0	3.830865	0.707584	1.015024	0.69711	0.485734	0.881802	ENSMUSG0 Gm26771
ENSMUSG0	3704.165	0.115455	0.165667	0.696913	0.485857	0.881942	ENSMUSG0 Eif2s3x
ENSMUSG0	1849.153	-0.1879	0.269664	-0.69679	0.485933	0.881997	ENSMUSG0 Nsd3
ENSMUSG0	16.57845	0.422097	0.60597	0.696565	0.486075	0.882088	ENSMUSG0 Ly6g6d
ENSMUSG0	308.6095	0.191735	0.275283	0.6965	0.486116	0.882088	ENSMUSG0 Alkbh8
ENSMUSG0	4.684423	0.632293	0.907825	0.696492	0.48612	0.882088	ENSMUSG0 Txlnb
ENSMUSG0	436.7759	0.159735	0.229409	0.696289	0.486248	0.882217	ENSMUSG0 Slc2a1
ENSMUSG0	549.4926	0.128832	0.185058	0.696173	0.486321	0.882217	ENSMUSG0 Entpd5
ENSMUSG0	988.4618	-0.14093	0.202458	-0.69609	0.486374	0.882217	ENSMUSG0 Tmem165
ENSMUSG0	1540.256	-0.25463	0.365871	-0.69595	0.486458	0.882217	ENSMUSG0 Mrps21
ENSMUSG0	3.44858	-0.8434	1.211864	-0.69595	0.486458	0.882217	ENSMUSG0 Gm18990
ENSMUSG0	819.2568	0.522018	0.750091	0.695939	0.486467	0.882217	ENSMUSG0 H2-Q7
ENSMUSG0	11.99945	0.420077	0.60368	0.695861	0.486516	0.882223	ENSMUSG0 Lin7a
ENSMUSG0	4.241439	-0.75777	1.089146	-0.69575	0.486586	0.882267	ENSMUSG0 Gm14150
ENSMUSG0	2154.291	-0.16871	0.242583	-0.69549	0.486748	0.882478	ENSMUSG0 Dnmt3a
ENSMUSG0	8.19447	0.480649	0.691253	0.69533	0.486849	0.882494	ENSMUSG0 Gm11400
ENSMUSG0	44.10214	-0.21908	0.315069	-0.69533	0.486849	0.882494	ENSMUSG0A530072M
ENSMUSG0	425.6596	0.146139	0.210246	0.695087	0.487	0.882616	ENSMUSG0 Ldlrap1
ENSMUSG0	137.5347	-0.2233	0.321255	-0.69508	0.487008	0.882616	ENSMUSG0 Setd4
ENSMUSG0	624.3933	0.151888	0.218647	0.694672	0.487261	0.882926	ENSMUSG0 Ddx25
ENSMUSG0	24.26627	0.382622	0.550829	0.69463	0.487287	0.882926	ENSMUSG0 Foxf1
ENSMUSG0	78.3887	0.21235	0.305774	0.694467	0.487389	0.882926	ENSMUSG01810021B2
ENSMUSG0	2183.959	-0.16824	0.242276	-0.69443	0.487413	0.882926	ENSMUSG0 Pgl5

ENSMUSG0	5.97274	-0.4636	0.667681	-0.69435	0.487462	0.882926	ENSMUSG0 Gm47079
ENSMUSG0	25.276	0.52041	0.749516	0.694329	0.487476	0.882926	ENSMUSG0 Gja5
ENSMUSG0	8.459723	0.460735	0.663782	0.694106	0.487616	0.882926	ENSMUSG04732471J01
ENSMUSG0	127.5744	-0.18373	0.264741	-0.69401	0.487674	0.882926	ENSMUSG0 Zfp691
ENSMUSG0	3.200222	0.71191	1.02586	0.693964	0.487705	0.882926	ENSMUSG0 Hoxaas2
ENSMUSG0	362.4818	-0.12079	0.174094	-0.6938	0.487811	0.882926	ENSMUSG0 Bcs1l
ENSMUSG0	24.90957	0.258497	0.372596	0.693774	0.487824	0.882926	ENSMUSG0 Mtag2
ENSMUSG0	604.5964	0.190664	0.274837	0.693734	0.487849	0.882926	ENSMUSG0 Zfp146
ENSMUSG0	4.742605	-0.58808	0.847762	-0.69369	0.487879	0.882926	ENSMUSG0 Gm44434
ENSMUSG0	232.1251	-0.17637	0.254276	-0.69362	0.487922	0.882926	ENSMUSG02700062C0
ENSMUSG0	678.3078	0.202726	0.292278	0.693606	0.487929	0.882926	ENSMUSG0 Sertad1
ENSMUSG0	86.91544	-0.25672	0.370151	-0.69354	0.487969	0.882926	ENSMUSG0 Mrpl23
ENSMUSG0	1016.83	-0.11378	0.164076	-0.69345	0.488027	0.882926	ENSMUSG0 Ptgr2
ENSMUSG0	76.66274	0.364184	0.525317	0.693265	0.488143	0.882926	ENSMUSG0 Gypc
ENSMUSG0	1399.874	0.273812	0.394962	0.693262	0.488145	0.882926	ENSMUSG0 Ldha
ENSMUSG0	944.8488	0.109368	0.157769	0.693214	0.488175	0.882926	ENSMUSG0 Nup205
ENSMUSG0	204.6623	0.124978	0.180303	0.693155	0.488212	0.882926	ENSMUSG0 Top3a
ENSMUSG0	346.1743	0.52875	0.762896	0.693082	0.488258	0.882926	ENSMUSG0 Itgb7
ENSMUSG0	6.408329	0.500258	0.721816	0.693054	0.488275	0.882926	ENSMUSG0 AA914427
ENSMUSG0	239.0443	-0.1261	0.181955	-0.69305	0.488281	0.882926	ENSMUSG0 Susd1
ENSMUSG0	4.204044	-0.84728	1.222949	-0.69282	0.488425	0.88304	ENSMUSG0 Gm4876
ENSMUSG0	3565.79	-0.09372	0.13528	-0.6928	0.488436	0.88304	ENSMUSG0 Hnrnpdl
ENSMUSG0	452.9181	-0.08187	0.118206	-0.69264	0.488534	0.883107	ENSMUSG0 Siah1a
ENSMUSG0	1202.72	-0.18217	0.26302	-0.69259	0.488564	0.883107	ENSMUSG0 Ier3ip1
ENSMUSG0	111.2153	0.17934	0.259014	0.692397	0.488688	0.883247	ENSMUSG0 Gm36995
ENSMUSG0	470.4661	0.188539	0.27234	0.692293	0.488753	0.883249	ENSMUSG0 Patl1
ENSMUSG0	22.91948	-1.02525	1.48104	-0.69225	0.488781	0.883249	ENSMUSG0 Il22ra1
ENSMUSG0	25.93676	-0.22938	0.331408	-0.69215	0.488844	0.883281	ENSMUSG0 Mkl1n1os
ENSMUSG0	1143.461	0.131654	0.19025	0.692004	0.488935	0.883285	ENSMUSG0 Spg20
ENSMUSG0	78.83008	0.237139	0.342715	0.691942	0.488974	0.883285	ENSMUSG0 Gm5165
ENSMUSG0	14.96124	-0.43094	0.62285	-0.69188	0.48901	0.883285	ENSMUSG0 Ptger1
ENSMUSG0	275.3586	0.173608	0.250932	0.691852	0.48903	0.883285	ENSMUSG0 Utp25
ENSMUSG0	113.2031	-0.16413	0.237316	-0.6916	0.48919	0.883491	ENSMUSG0 Tgfb3l
ENSMUSG0	503.7216	-0.19593	0.28336	-0.69144	0.489288	0.883585	ENSMUSG0 Npr1
ENSMUSG0	5.261226	0.793337	1.147757	0.691207	0.489436	0.883686	ENSMUSG0 Epor
ENSMUSG0	705.2536	-0.12697	0.183699	-0.69121	0.489436	0.883686	ENSMUSG0 Golga1
ENSMUSG0	583.6126	0.1189	0.172052	0.691067	0.489524	0.883686	ENSMUSG0 Exoc6
ENSMUSG0	4658.385	-0.19684	0.28486	-0.691	0.489566	0.883686	ENSMUSG0 Qdpr
ENSMUSG0	534.8584	0.212539	0.307617	0.690919	0.489616	0.883686	ENSMUSG0 Zdhhc21
ENSMUSG0	1324.573	-0.10756	0.155726	-0.69072	0.489744	0.883686	ENSMUSG0 Sncb
ENSMUSG0	746.9026	0.157818	0.228498	0.690676	0.489769	0.883686	ENSMUSG0 Nrep
ENSMUSG0	7.257799	-0.46149	0.668186	-0.69065	0.489783	0.883686	ENSMUSG0A130051J01
ENSMUSG0	433.0193	-0.22529	0.326195	-0.69065	0.489785	0.883686	ENSMUSG0 Egf
ENSMUSG0	3648.607	-0.1331	0.192739	-0.69056	0.489842	0.883686	ENSMUSG0 Nars
ENSMUSG0	7.511887	0.44311	0.641741	0.690481	0.489892	0.883686	ENSMUSG0 Gm13864
ENSMUSG0	816.9346	-0.13164	0.190656	-0.69045	0.48991	0.883686	ENSMUSG0 Asb1
ENSMUSG0	609.7208	-0.09067	0.131329	-0.69039	0.48995	0.883686	ENSMUSG0 Dmac2
ENSMUSG0	1511.449	-0.14942	0.216453	-0.6903	0.490009	0.883686	ENSMUSG0 Tceal3
ENSMUSG0	12365.3	0.129712	0.187919	0.690256	0.490033	0.883686	ENSMUSG0 H2-D1
ENSMUSG0	51.61774	-0.23724	0.343816	-0.69003	0.490175	0.883858	ENSMUSG0 H3c4
ENSMUSG0	842.1021	-0.20013	0.290102	-0.68986	0.49028	0.883883	ENSMUSG0 Ubp2
ENSMUSG0	313.4749	0.111558	0.161711	0.689863	0.490281	0.883883	ENSMUSG0 Casp9

ENSMUSG0	136.3787	-0.24427	0.354159	-0.68973	0.490365	0.883884	ENSMUSG01810044D0
ENSMUSG0	2.993242	0.648792	0.940665	0.689716	0.490373	0.883884	ENSMUSG04930533N2
ENSMUSG0	13.1961	0.416735	0.6044	0.689502	0.490508	0.884044	ENSMUSG0 Nsun7
ENSMUSG0	855.9257	-0.19791	0.28711	-0.68931	0.490629	0.88418	ENSMUSG01810058I24
ENSMUSG0	761.1582	-0.13797	0.200213	-0.6891	0.49076	0.884269	ENSMUSG0 Uros
ENSMUSG0	28.33539	-0.28498	0.413562	-0.68908	0.49077	0.884269	ENSMUSG0 Mfsd4b5
ENSMUSG0	1609.078	-0.10324	0.149862	-0.68893	0.49087	0.884307	ENSMUSG0 Tm9sf1
ENSMUSG0	1425.205	-0.14481	0.210229	-0.68884	0.490923	0.884307	ENSMUSG0 Tspan2
ENSMUSG0	36.47826	0.406414	0.590005	0.688831	0.490929	0.884307	ENSMUSG0 Dmkn
ENSMUSG0	11.68815	-0.57	0.82785	-0.68853	0.49112	0.884487	ENSMUSG0 Gm37060
ENSMUSG0	125.7672	0.147515	0.214248	0.688527	0.491121	0.884487	ENSMUSG0 Peli2
ENSMUSG0	3.960562	0.523153	0.759966	0.68839	0.491207	0.88456	ENSMUSG0G630030J0
ENSMUSG0	660.6684	-0.09741	0.141552	-0.68818	0.491337	0.884711	ENSMUSG0 Unk
ENSMUSG0	185.1148	0.165838	0.241014	0.688085	0.491399	0.884714	ENSMUSG0 Bbs5
ENSMUSG0	1298.393	-0.17117	0.248774	-0.68803	0.491431	0.884714	ENSMUSG0 Abce1
ENSMUSG0	495.7196	-0.18733	0.272304	-0.68796	0.49148	0.884719	ENSMUSG0 Xk
ENSMUSG0	88.01721	0.197097	0.286562	0.687799	0.491579	0.884806	ENSMUSG0 Ccdc160
ENSMUSG0	907.5734	-0.14124	0.205401	-0.68761	0.491698	0.884806	ENSMUSG0 Pias4
ENSMUSG0	1513.828	0.123732	0.179948	0.687601	0.491704	0.884806	ENSMUSG0 Plcl2
ENSMUSG0	4.489085	-0.65031	0.945851	-0.68754	0.491742	0.884806	ENSMUSG0 Gm45363
ENSMUSG0	1021.685	-0.18853	0.274214	-0.68752	0.491758	0.884806	ENSMUSG0 Fopnl
ENSMUSG0	34.88085	0.433463	0.630788	0.687178	0.491971	0.885106	ENSMUSG0 Lrrc25
ENSMUSG0	856.4682	-0.11953	0.173992	-0.68701	0.492078	0.88512	ENSMUSG0 Zfp384
ENSMUSG0	7002.976	0.093799	0.136553	0.68691	0.492139	0.88512	ENSMUSG0 Serinc1
ENSMUSG0	464.354	-0.10221	0.148807	-0.68689	0.492151	0.88512	ENSMUSG0 Atg4c
ENSMUSG0	18.01949	0.517465	0.753364	0.686873	0.492163	0.88512	ENSMUSG0 Igsf6
ENSMUSG0	12.70525	-0.33158	0.482805	-0.68678	0.492219	0.885139	ENSMUSG01700028J19
ENSMUSG0	13.36359	-0.5436	0.791771	-0.68656	0.492361	0.885311	ENSMUSG0 Gm36638
ENSMUSG0	63.32847	0.365598	0.53266	0.686362	0.492485	0.885447	ENSMUSG0 Gpr65
ENSMUSG0	16906.41	-0.1903	0.277304	-0.68625	0.492555	0.885447	ENSMUSG0 Gm15500
ENSMUSG0	64.41658	-0.16385	0.238784	-0.6862	0.492584	0.885447	ENSMUSG02610528J11
ENSMUSG0	309.2839	0.090644	0.132118	0.686085	0.49266	0.885447	ENSMUSG0 Hps6
ENSMUSG0	532.2158	-0.16735	0.243927	-0.68607	0.492667	0.885447	ENSMUSG0 Zfp120
ENSMUSG0	1970.476	-0.19991	0.291451	-0.68591	0.492773	0.885483	ENSMUSG0 Cox5b
ENSMUSG0	1797.285	-0.11675	0.170221	-0.68585	0.492806	0.885483	ENSMUSG0 Git1
ENSMUSG0	838.1356	0.151937	0.221557	0.685771	0.492857	0.885483	ENSMUSG0 Apex1
ENSMUSG0	5.414056	-0.77509	1.130275	-0.68575	0.492871	0.885483	ENSMUSG0 Gm47164
ENSMUSG0	321.3004	-0.15115	0.220615	-0.68515	0.493248	0.886078	ENSMUSG0 Tmem243
ENSMUSG0	690.9976	-0.11674	0.170415	-0.68503	0.493324	0.886131	ENSMUSG0 Metap1d
ENSMUSG0	5.938633	0.628101	0.917095	0.684881	0.493419	0.886153	ENSMUSG0 Gm37570
ENSMUSG0	446.032	-0.1279	0.18675	-0.68487	0.493428	0.886153	ENSMUSG0 Prickle1
ENSMUSG0	39.14003	0.204376	0.298473	0.684737	0.49351	0.8862	ENSMUSG0 Tcte2
ENSMUSG0	470.6309	-0.14116	0.206173	-0.68468	0.493547	0.8862	ENSMUSG0 Acsl1
ENSMUSG0	1084.925	0.152879	0.22335	0.684484	0.49367	0.8862	ENSMUSG0 St8sia3
ENSMUSG0	176.2942	0.354521	0.518031	0.684362	0.493747	0.8862	ENSMUSG0 Rhoh
ENSMUSG0	15.47592	0.35918	0.524898	0.684285	0.493795	0.8862	ENSMUSG0 BC043934
ENSMUSG0	111.9606	0.26447	0.386567	0.684151	0.49388	0.8862	ENSMUSG0A730017L2
ENSMUSG0	2865.81	0.125607	0.1836	0.684137	0.493889	0.8862	ENSMUSG0 Erp29
ENSMUSG0	15.63391	0.305125	0.446027	0.684095	0.493915	0.8862	ENSMUSG0 Slc43a1
ENSMUSG0	4.266625	-0.58104	0.849409	-0.68405	0.493943	0.8862	ENSMUSG0 Gm37139
ENSMUSG0	4.064331	-0.62359	0.911723	-0.68397	0.493997	0.8862	ENSMUSG0Rps15a-ps4
ENSMUSG0	919.3811	0.27245	0.39834	0.683963	0.493998	0.8862	ENSMUSG0 Dbi

ENSMUSG0	13.90631	0.6316	0.923562	0.683874	0.494055	0.8862	ENSMUSG0D630011A2
ENSMUSG0	631.869	-0.12505	0.182859	-0.68384	0.494075	0.8862	ENSMUSG0 Dxo
ENSMUSG0	489.3586	0.188979	0.276419	0.683668	0.494185	0.8862	ENSMUSG0 Mgat4a
ENSMUSG0	581.2944	0.252686	0.36961	0.683657	0.494192	0.8862	ENSMUSG0 Fcgrt
ENSMUSG0	573.0552	-0.13509	0.197675	-0.68339	0.494359	0.886358	ENSMUSG0 Tsen54
ENSMUSG0	668.904	0.103638	0.151666	0.683328	0.494399	0.886358	ENSMUSG0 Zfp629
ENSMUSG0	1779.842	-0.13627	0.199437	-0.6833	0.494418	0.886358	ENSMUSG0 Ppp1r16a
ENSMUSG0	1291.238	0.087701	0.128364	0.683222	0.494467	0.886363	ENSMUSG0 Ranbp9
ENSMUSG0	920.284	0.114147	0.167094	0.683132	0.494524	0.886383	ENSMUSG0 Pacs2
ENSMUSG0	582.1579	-0.15698	0.229892	-0.68283	0.494715	0.886615	ENSMUSG0 Ripk1
ENSMUSG0	474.7265	0.20896	0.306043	0.682781	0.494745	0.886615	ENSMUSG0 Eif2ak2
ENSMUSG0	26.7208	0.358718	0.525508	0.682612	0.494852	0.886723	ENSMUSG0 Gm14419
ENSMUSG0	3.603682	0.571255	0.837036	0.682474	0.494939	0.886763	ENSMUSG0 Gm7862
ENSMUSG0	132.7631	0.643684	0.943221	0.682431	0.494966	0.886763	ENSMUSG0 Tmem45b
ENSMUSG0	247.1279	0.306231	0.448838	0.682276	0.495065	0.886808	ENSMUSG0 Lrrk2
ENSMUSG0	346.1264	0.183863	0.269497	0.682245	0.495084	0.886808	ENSMUSG0 Zfp46
ENSMUSG0	1460.029	-0.09893	0.145079	-0.6819	0.495302	0.886842	ENSMUSG0 Atp6v0a2
ENSMUSG0	700.8114	-0.2012	0.295086	-0.68183	0.495348	0.886842	ENSMUSG0 MglI
ENSMUSG0	60.34	-0.43214	0.633801	-0.68182	0.495352	0.886842	ENSMUSG0 Xlr4b
ENSMUSG0	1524.724	-0.12665	0.185786	-0.68171	0.495421	0.886842	ENSMUSG0 Ugt2b34
ENSMUSG0	3.036034	0.848457	1.244859	0.681568	0.495512	0.886842	ENSMUSG0 Gm14824
ENSMUSG0	64.30885	-0.17334	0.254354	-0.6815	0.495554	0.886842	ENSMUSG04833418NC
ENSMUSG0	19.7658	0.333427	0.489294	0.681446	0.49559	0.886842	ENSMUSG01700123M
ENSMUSG0	1758.101	-0.15099	0.221601	-0.68137	0.495639	0.886842	ENSMUSG0 Rab5a
ENSMUSG0	515.7096	0.194255	0.285123	0.6813	0.495682	0.886842	ENSMUSG0 Cblb
ENSMUSG0	148.0666	0.187837	0.275714	0.681276	0.495697	0.886842	ENSMUSG0 Tbkbp1
ENSMUSG0	2194.813	-0.09654	0.141713	-0.68127	0.495702	0.886842	ENSMUSG0 Mtmr3
ENSMUSG0	17.06675	-0.2824	0.414557	-0.68121	0.495739	0.886842	ENSMUSG0E130208F1
ENSMUSG0	128.5335	-0.29147	0.427886	-0.68118	0.495755	0.886842	ENSMUSG0 Anapc10
ENSMUSG0	654.4215	0.095537	0.140256	0.681158	0.495772	0.886842	ENSMUSG0 lft140
ENSMUSG0	254.1127	0.366799	0.538523	0.681122	0.495794	0.886842	ENSMUSG0 Itga4
ENSMUSG0	49.29987	0.22044	0.323691	0.681021	0.495859	0.886874	ENSMUSG0 Mctp1
ENSMUSG0	1143.083	0.107275	0.157582	0.680758	0.496025	0.886997	ENSMUSG0 Rgl2
ENSMUSG0	2039.564	-0.13819	0.203018	-0.6807	0.496061	0.886997	ENSMUSG0 Rnf20
ENSMUSG0	498.4313	0.183487	0.269608	0.680568	0.496145	0.886997	ENSMUSG0 Thada
ENSMUSG0	6757.445	0.165715	0.243505	0.680543	0.496161	0.886997	ENSMUSG0 Magt1
ENSMUSG0	2482.752	0.16458	0.241845	0.68052	0.496175	0.886997	ENSMUSG0 Snrpn
ENSMUSG0	729.1623	-0.19421	0.285402	-0.68047	0.496204	0.886997	ENSMUSG0 Oard1
ENSMUSG0	1316.416	-0.10001	0.147016	-0.68026	0.496342	0.887058	ENSMUSG0 Rxrb
ENSMUSG0	326.453	-0.23387	0.343835	-0.68018	0.496392	0.887058	ENSMUSG0 Cfap126
ENSMUSG0	1010.422	-0.18005	0.264728	-0.68014	0.496415	0.887058	ENSMUSG0 Mcm3ap
ENSMUSG0	5.651211	-0.53998	0.794074	-0.68001	0.496495	0.887058	ENSMUSG0 Gm50471
ENSMUSG0	215.6006	0.145047	0.213317	0.679959	0.49653	0.887058	ENSMUSG0 Rnf219
ENSMUSG0	479.0699	-0.20038	0.294708	-0.67993	0.496552	0.887058	ENSMUSG0 Commd2
ENSMUSG0	83.58276	-0.34508	0.507602	-0.67982	0.496617	0.887058	ENSMUSG0 Efcab10
ENSMUSG0	617.5862	0.145018	0.213351	0.679716	0.496684	0.887058	ENSMUSG0 Dusp10
ENSMUSG0	3.959681	0.631184	0.928765	0.679594	0.496761	0.887058	ENSMUSG0 Gm36527
ENSMUSG0	2.942196	-0.68756	1.011911	-0.67947	0.49684	0.887058	ENSMUSG0 Gm14197
ENSMUSG0	52.77216	-0.26748	0.393672	-0.67944	0.496857	0.887058	ENSMUSG0 Gm27030
ENSMUSG0	289.9126	0.164163	0.241628	0.679403	0.496882	0.887058	ENSMUSG0 Cep126
ENSMUSG0	61.82422	-0.26037	0.383301	-0.67927	0.496964	0.887058	ENSMUSG0 Gm44694
ENSMUSG0	746.0884	0.082864	0.122003	0.6792	0.497011	0.887058	ENSMUSG0 Pip5k1a

ENSMUSG0	3556.196	0.133868	0.197101	0.679184	0.497021	0.887058	ENSMUSG0	Gtf3c1
ENSMUSG0	7.139244	0.437398	0.6441	0.679083	0.497085	0.887058	ENSMUSG0	Gm10416
ENSMUSG0	281.1032	0.105569	0.155478	0.679	0.497138	0.887058	ENSMUSG0	Taf6l
ENSMUSG0	1025.946	-0.11041	0.16262	-0.67895	0.497169	0.887058	ENSMUSG0	Slc49a4
ENSMUSG0	2381.983	-0.09849	0.145062	-0.67894	0.497178	0.887058	ENSMUSG0	Ube2b
ENSMUSG0	470.7636	-0.17696	0.260644	-0.67893	0.497184	0.887058	ENSMUSG0	Lsm8
ENSMUSG0	8.041131	0.534882	0.787875	0.678892	0.497206	0.887058	ENSMUSG0	Gm43029
ENSMUSG0	6.365631	-0.65211	0.961027	-0.67855	0.497422	0.887355	ENSMUSG0	Gm37902
ENSMUSG0	15.35252	-0.74119	1.092866	-0.6782	0.497642	0.887355	ENSMUSG0	Fam180a
ENSMUSG0	40.26269	-0.24711	0.364389	-0.67815	0.497678	0.887355	ENSMUSG0	Gm47232
ENSMUSG0	1145.782	-0.11283	0.166378	-0.67813	0.497689	0.887355	ENSMUSG0	Mfsd14b
ENSMUSG0	5.727335	-0.40497	0.597198	-0.67812	0.497694	0.887355	ENSMUSG0	Gm43046
ENSMUSG0	528.4021	0.186479	0.275008	0.678087	0.497717	0.887355	ENSMUSG0	Dip2b
ENSMUSG0	100.8647	-0.22247	0.328148	-0.67796	0.497794	0.887355	ENSMUSG0	Gm49749
ENSMUSG0	5.395833	0.573282	0.845614	0.677948	0.497805	0.887355	ENSMUSG0	Hoxc4
ENSMUSG0	3.693614	-0.65317	0.96356	-0.67787	0.497856	0.887355	ENSMUSG0	Nxph2
ENSMUSG0	1428.663	-0.11028	0.16269	-0.67786	0.497862	0.887355	ENSMUSG0	Vamp4
ENSMUSG0	683.6963	-0.09218	0.13599	-0.67783	0.49788	0.887355	ENSMUSG0	Rgl3
ENSMUSG0	410.9452	-0.10564	0.155919	-0.67756	0.498051	0.887487	ENSMUSG0	Mettl17
ENSMUSG0	1142.627	0.080412	0.118691	0.677494	0.498092	0.887487	ENSMUSG0	Rnf41
ENSMUSG0	55.06986	0.332038	0.490231	0.677309	0.49821	0.887614	ENSMUSG0	H2-T24
ENSMUSG0	248.0767	0.140266	0.207203	0.67695	0.498437	0.887937	ENSMUSG0	Rapgef3
ENSMUSG0	6.503564	-0.4443	0.656453	-0.67682	0.498522	0.888006	ENSMUSG0	1700069B0
ENSMUSG0	50.00026	0.279659	0.413262	0.676711	0.498589	0.888043	ENSMUSG0	Ldb2
ENSMUSG0	5.729175	0.457652	0.676409	0.676591	0.498666	0.888097	ENSMUSG0	Foxd2
ENSMUSG0	67.08245	0.224862	0.332452	0.676372	0.498804	0.888262	ENSMUSG0	Kifc5b
ENSMUSG0	1098.103	0.113614	0.168047	0.676086	0.498986	0.888263	ENSMUSG0	Insig2
ENSMUSG0	756.2252	-0.12596	0.186314	-0.67607	0.498998	0.888263	ENSMUSG0	Sdhaf2
ENSMUSG0	845.7389	-0.12624	0.186728	-0.67606	0.499001	0.888263	ENSMUSG0	Zfp219
ENSMUSG0	1412.125	0.140576	0.207935	0.676056	0.499005	0.888263	ENSMUSG0	Gon4l
ENSMUSG0	427.7983	-0.11936	0.176562	-0.676	0.499042	0.888263	ENSMUSG0	Slc5a6
ENSMUSG0	13.72891	-0.75443	1.116129	-0.67593	0.499082	0.888263	ENSMUSG0	Gbp10
ENSMUSG0	32.32619	-0.26123	0.386545	-0.6758	0.499166	0.888303	ENSMUSG0	4833408A1
ENSMUSG0	133.7511	-0.1761	0.260595	-0.67575	0.499197	0.888303	ENSMUSG0	Zfp119b
ENSMUSG0	3158.307	0.136668	0.202286	0.675617	0.499284	0.888333	ENSMUSG0	Tmx4
ENSMUSG0	696.3813	-0.13751	0.203537	-0.67558	0.499306	0.888333	ENSMUSG0	Fam204a
ENSMUSG0	650.3597	-0.20445	0.302676	-0.67549	0.499366	0.888356	ENSMUSG0	Scfd2
ENSMUSG0	577.2502	-0.14073	0.208368	-0.6754	0.499422	0.888374	ENSMUSG0	Faap100
ENSMUSG0	553.1785	-0.09282	0.137484	-0.67513	0.49959	0.888546	ENSMUSG0	Tubg1
ENSMUSG0	365.1847	-0.28406	0.420805	-0.67505	0.499644	0.888546	ENSMUSG0	Cep162
ENSMUSG0	14.13532	0.431938	0.63988	0.675029	0.499657	0.888546	ENSMUSG0	Osm
ENSMUSG0	4.949934	-1.17324	1.7385	-0.67486	0.499765	0.888657	ENSMUSG0	Nlrp9b
ENSMUSG0	9110.602	-0.13614	0.201888	-0.67434	0.500097	0.889164	ENSMUSG0	Cdh1
ENSMUSG0	489.6698	0.56628	0.839908	0.674217	0.500174	0.8892	ENSMUSG0	Gsta4
ENSMUSG0	620.1111	-0.16449	0.243997	-0.67416	0.50021	0.8892	ENSMUSG0	Eci1
ENSMUSG0	24.83406	0.224349	0.332836	0.674053	0.500277	0.889238	ENSMUSG0	Gm7628
ENSMUSG0	1918.161	0.151712	0.225127	0.673896	0.500377	0.889334	ENSMUSG0	Gnl3l
ENSMUSG0	2098.649	-0.23024	0.341794	-0.67362	0.500552	0.889434	ENSMUSG0	Txndc17
ENSMUSG0	605.0059	-0.15661	0.232508	-0.67357	0.500587	0.889434	ENSMUSG0	Trub1
ENSMUSG0	570.6865	-0.30446	0.452106	-0.67344	0.50067	0.889434	ENSMUSG0	Amdhd2
ENSMUSG0	5924.147	-0.21886	0.325063	-0.67328	0.500767	0.889434	ENSMUSG0	Rpl30
ENSMUSG0	229.0563	-0.33265	0.494168	-0.67315	0.500853	0.889434	ENSMUSG0	Eif4ebp3

ENSMUSG0	423.9753	-0.12974	0.192766	-0.67306	0.500911	0.889434	ENSMUSG0	Twistnb
ENSMUSG0	378.9357	-0.23019	0.342029	-0.67301	0.500942	0.889434	ENSMUSG0	Usp2
ENSMUSG0	479.2919	-0.10168	0.151096	-0.67296	0.500975	0.889434	ENSMUSG0	Ankzf1
ENSMUSG0	1915.516	0.125213	0.186113	0.672782	0.501086	0.889434	ENSMUSG0	Rtl8a
ENSMUSG0	8.163506	-0.38673	0.574841	-0.67276	0.501099	0.889434	ENSMUSG0	Gm44541
ENSMUSG0	706.5433	-0.11859	0.176271	-0.67275	0.501107	0.889434	ENSMUSG0	Slf2
ENSMUSG0	520.1292	0.162787	0.241985	0.672716	0.501128	0.889434	ENSMUSG0	Ermp1
ENSMUSG0	2953.57	-0.17302	0.257243	-0.67258	0.501217	0.889434	ENSMUSG0	Sec63
ENSMUSG0	5.00115	-0.81526	1.212162	-0.67256	0.501225	0.889434	ENSMUSG0	Gm16958
ENSMUSG0	18.98546	0.31767	0.472344	0.672539	0.50124	0.889434	ENSMUSG0	Cer1
ENSMUSG0	250.0061	0.19202	0.285519	0.672531	0.501246	0.889434	ENSMUSG0	Ago4
ENSMUSG0	457.0275	-0.16677	0.247998	-0.67247	0.501282	0.889434	ENSMUSG0	Mrpl19
ENSMUSG0	4905.797	-0.13392	0.199168	-0.67237	0.501346	0.889434	ENSMUSG0	Eprs
ENSMUSG0	20.70319	-0.36891	0.548714	-0.67231	0.501386	0.889434	ENSMUSG0	Gm15889
ENSMUSG0	1168.701	0.348539	0.518425	0.672304	0.50139	0.889434	ENSMUSG0	Arhgdib
ENSMUSG0	645.2675	-0.14235	0.211746	-0.67228	0.501405	0.889434	ENSMUSG0	Tbrg4
ENSMUSG0	1010.7	0.192524	0.286423	0.672166	0.501478	0.889482	ENSMUSG0	Pxylp1
ENSMUSG0	6.56542	0.555249	0.826188	0.672061	0.501545	0.889518	ENSMUSG0	Spaar
ENSMUSG0	49.11999	-0.17659	0.2628	-0.67194	0.50162	0.88957	ENSMUSG0	Ube2cbp
ENSMUSG0	117.5022	-0.21207	0.315777	-0.6716	0.501841	0.889708	ENSMUSG0	5930430L0
ENSMUSG0	7.365722	-0.53596	0.798337	-0.67134	0.502004	0.889708	ENSMUSG0	9330182O1
ENSMUSG0	584.568	-0.15834	0.235894	-0.67121	0.502085	0.889708	ENSMUSG0	Trappc2
ENSMUSG0	64.98521	0.36586	0.545086	0.671197	0.502095	0.889708	ENSMUSG0	Cd86
ENSMUSG0	749.9131	0.195265	0.290926	0.671184	0.502103	0.889708	ENSMUSG0	Zfp318
ENSMUSG0	1560.083	-0.14341	0.213711	-0.67104	0.502196	0.889708	ENSMUSG0	Dennd11
ENSMUSG0	2590.902	-0.1466	0.21848	-0.67099	0.502229	0.889708	ENSMUSG0	Nptn
ENSMUSG0	20286.25	0.157569	0.23487	0.670879	0.502298	0.889708	ENSMUSG0	Actb
ENSMUSG0	4829.921	-0.22475	0.335023	-0.67086	0.50231	0.889708	ENSMUSG0	Dst
ENSMUSG0	10.81462	0.665542	0.992098	0.670843	0.50232	0.889708	ENSMUSG0	Tlr11
ENSMUSG0	321.8669	-0.13725	0.204603	-0.67082	0.502337	0.889708	ENSMUSG0	Zfp157
ENSMUSG0	9.292986	0.493786	0.736101	0.670813	0.502339	0.889708	ENSMUSG0	Slc4a11
ENSMUSG0	613.4206	0.121859	0.181659	0.670809	0.502343	0.889708	ENSMUSG0	Efnb1
ENSMUSG0	17.36149	0.353225	0.526569	0.670804	0.502345	0.889708	ENSMUSG0	Fam217a
ENSMUSG0	2560.922	-0.11145	0.166235	-0.67041	0.502593	0.889971	ENSMUSG0	Pgrmc2
ENSMUSG0	2210.788	-0.16099	0.240143	-0.67038	0.502617	0.889971	ENSMUSG0	Msmo1
ENSMUSG0	60.60642	0.457466	0.68244	0.67034	0.502641	0.889971	ENSMUSG0	Ogn
ENSMUSG0	78.93704	0.164213	0.244992	0.67028	0.502679	0.889971	ENSMUSG0	Bbs12
ENSMUSG0	1095.825	-0.1071	0.159869	-0.66991	0.502915	0.890304	ENSMUSG0	Sh3d19
ENSMUSG0	601.0955	0.154317	0.230451	0.66963	0.503094	0.890304	ENSMUSG0	Parp14
ENSMUSG0	7.425489	-0.83677	1.249652	-0.6696	0.503111	0.890304	ENSMUSG0	Naaladl1
ENSMUSG0	2564.29	-0.08767	0.130931	-0.66959	0.503121	0.890304	ENSMUSG0	Rab10
ENSMUSG0	3.244239	0.664781	0.992956	0.669497	0.503179	0.890304	ENSMUSG0	Gm45185
ENSMUSG0	207.4313	-0.10415	0.15556	-0.66949	0.503186	0.890304	ENSMUSG0	9330151L1
ENSMUSG0	1349.902	0.06825	0.101952	0.669434	0.503219	0.890304	ENSMUSG0	Gna12
ENSMUSG0	1995.877	0.211236	0.315562	0.669398	0.503242	0.890304	ENSMUSG0	Kctd12
ENSMUSG0	15723.84	-0.20637	0.308347	-0.66928	0.503315	0.890304	ENSMUSG0	Ptms
ENSMUSG0	995.6974	-0.12377	0.184948	-0.66921	0.503359	0.890304	ENSMUSG0	Vkorc1l1
ENSMUSG0	1018.792	0.148002	0.221207	0.669069	0.503452	0.890304	ENSMUSG0	Gtpbp4
ENSMUSG0	6.172528	-0.50463	0.754321	-0.66899	0.503504	0.890304	ENSMUSG0	Slc10a5
ENSMUSG0	367.8578	-0.1985	0.296778	-0.66883	0.503602	0.890304	ENSMUSG0	Fam199x
ENSMUSG0	88.4317	0.173712	0.259744	0.668781	0.503635	0.890304	ENSMUSG0	Gm28042
ENSMUSG0	7085.11	-0.16167	0.241811	-0.66858	0.503761	0.890304	ENSMUSG0	Dstn

ENSMUSG0	447.0542	0.097705	0.146139	0.668576	0.503766	0.890304	ENSMUSG0 Kctd5
ENSMUSG0	13.07637	0.313345	0.468709	0.668526	0.503798	0.890304	ENSMUSG0 Gm37447
ENSMUSG0	38.82223	0.240759	0.360145	0.668505	0.503812	0.890304	ENSMUSG0 Fancd2
ENSMUSG0	280.6229	-0.17361	0.259713	-0.66846	0.503838	0.890304	ENSMUSG0 Aaas
ENSMUSG0	538.9911	0.234725	0.351162	0.668423	0.503863	0.890304	ENSMUSG0 Elmsan1
ENSMUSG0	1160.475	-0.23519	0.351872	-0.6684	0.503877	0.890304	ENSMUSG0 Mrpl51
ENSMUSG0	53.27749	-0.20975	0.313848	-0.66832	0.503928	0.890304	ENSMUSG0 Samd15
ENSMUSG0	1092.553	-0.1048	0.15682	-0.66829	0.503946	0.890304	ENSMUSG0 Hmgxb3
ENSMUSG0	2640.586	-0.11115	0.166343	-0.66819	0.504011	0.890304	ENSMUSG0 Wdr26
ENSMUSG0	948.7228	-0.09841	0.147286	-0.66812	0.504054	0.890304	ENSMUSG0 Cul4b
ENSMUSG0	1033.65	-0.19364	0.28984	-0.6681	0.504071	0.890304	ENSMUSG0 Gtf2h5
ENSMUSG0	13.36028	-0.31176	0.466686	-0.66802	0.504121	0.890311	ENSMUSG0 Aipl1
ENSMUSG0	25.81526	0.308927	0.462592	0.667817	0.504251	0.89042	ENSMUSG0 2810039B1
ENSMUSG0	22.65617	-0.32393	0.485183	-0.66765	0.504358	0.89042	ENSMUSG0 4930547M:
ENSMUSG0	642.9413	-0.08494	0.127241	-0.66759	0.504397	0.89042	ENSMUSG0 Repin1
ENSMUSG0	7.420406	-0.47235	0.707556	-0.66759	0.504397	0.89042	ENSMUSG0 Gm43794
ENSMUSG0	1794.017	-0.18729	0.280557	-0.66756	0.504414	0.89042	ENSMUSG0 Polr2g
ENSMUSG0	32.28553	0.287054	0.430175	0.667295	0.504583	0.890498	ENSMUSG0 Vgll3
ENSMUSG0	16.41351	0.53481	0.801485	0.667275	0.504597	0.890498	ENSMUSG0 Eomes
ENSMUSG0	3.889991	-0.6608	0.990346	-0.66725	0.504615	0.890498	ENSMUSG0 Klra4
ENSMUSG0	3.866552	-0.60704	0.909833	-0.6672	0.504643	0.890498	ENSMUSG0 Gm43421
ENSMUSG0	555.1498	-0.15072	0.226084	-0.66665	0.504995	0.891037	ENSMUSG0 Llph
ENSMUSG0	3.11152	-0.60731	0.911154	-0.66653	0.505072	0.891082	ENSMUSG0 Apom
ENSMUSG0	328.314	-0.16365	0.245543	-0.66647	0.505113	0.891082	ENSMUSG0 Gatb
ENSMUSG0	624.8191	-0.16962	0.25459	-0.66624	0.505256	0.891197	ENSMUSG0 Rims2
ENSMUSG0	11.28889	0.829237	1.244691	0.666219	0.505271	0.891197	ENSMUSG0 Morf411-ps
ENSMUSG0	58.9212	0.198331	0.297753	0.666093	0.505352	0.891251	ENSMUSG0 Rsph4a
ENSMUSG0	255.9935	-0.13149	0.197419	-0.66603	0.505394	0.891251	ENSMUSG0 Txnl4b
ENSMUSG0	258.8506	-0.26165	0.392935	-0.6659	0.505478	0.891287	ENSMUSG0 Gbp7
ENSMUSG0	7.289303	0.438289	0.658272	0.665818	0.505527	0.891287	ENSMUSG0 Sult5a1
ENSMUSG0	3.631373	0.519439	0.780216	0.665763	0.505563	0.891287	ENSMUSG0 Gm26779
ENSMUSG0	50.77184	0.425613	0.639395	0.665649	0.505636	0.891287	ENSMUSG0 Kik8
ENSMUSG0	10.29852	0.435894	0.654879	0.66561	0.505661	0.891287	ENSMUSG0 Gm42600
ENSMUSG0	3.862008	0.77521	1.164802	0.665529	0.505712	0.891287	ENSMUSG0 Ms4a4a
ENSMUSG0	8.882364	0.335422	0.504025	0.665487	0.505739	0.891287	ENSMUSG0 A830011K0
ENSMUSG0	523.231	-0.11291	0.169701	-0.66536	0.505823	0.891327	ENSMUSG0 Htra2
ENSMUSG0	4903.91	-0.06845	0.102899	-0.66522	0.50591	0.891327	ENSMUSG0 Ptbp1
ENSMUSG0	5665.374	0.122273	0.183817	0.66519	0.505929	0.891327	ENSMUSG0 Actr3
ENSMUSG0	1192.825	-0.17686	0.265895	-0.66516	0.505947	0.891327	ENSMUSG0 Plpp3
ENSMUSG0	830.4897	0.135438	0.203667	0.664996	0.506053	0.891378	ENSMUSG0 P3h4
ENSMUSG0	5.985743	0.459164	0.690503	0.664971	0.506069	0.891378	ENSMUSG0 Gm43080
ENSMUSG0	3437.79	0.101573	0.152781	0.664827	0.506161	0.891459	ENSMUSG0 Mapk1
ENSMUSG0	883.4474	-0.13247	0.199302	-0.66468	0.506254	0.891514	ENSMUSG0 Mfsd5
ENSMUSG0	14606.78	0.123149	0.185335	0.664466	0.506392	0.891514	ENSMUSG0 Cst3
ENSMUSG0	14.72907	0.473798	0.713114	0.664408	0.506429	0.891514	ENSMUSG0 Havcr1
ENSMUSG0	1392.935	0.185867	0.279762	0.664375	0.50645	0.891514	ENSMUSG0 Ifi27
ENSMUSG0	104.2907	0.444454	0.669049	0.664307	0.506494	0.891514	ENSMUSG0 Bcl2a1d
ENSMUSG0	1143.787	0.155535	0.2342	0.664111	0.506619	0.891514	ENSMUSG0 Ahctf1
ENSMUSG0	2425.014	-0.16937	0.255037	-0.6641	0.506628	0.891514	ENSMUSG0 Kmt2e
ENSMUSG0	17.43446	-0.31146	0.469024	-0.66406	0.506654	0.891514	ENSMUSG0 Slc12a1
ENSMUSG0	176.458	0.132423	0.199451	0.663938	0.50673	0.891514	ENSMUSG0 Rab40b
ENSMUSG0	34.03948	0.339256	0.510989	0.663921	0.506741	0.891514	ENSMUSG0 B4galnt3

ENSMUSG0	208.543	0.176855	0.266393	0.663888	0.506762	0.891514	ENSMUSG0 Flt4
ENSMUSG0	266.019	-0.24629	0.37098	-0.66389	0.506763	0.891514	ENSMUSG0 Mrpl47
ENSMUSG0	45.2502	0.240446	0.362305	0.663656	0.506911	0.891514	ENSMUSG0 Rep15
ENSMUSG0	6.230054	-0.4434	0.668169	-0.66361	0.50694	0.891514	ENSMUSG0 Gm20644
ENSMUSG0	18.80124	-1.01043	1.522769	-0.66355	0.506979	0.891514	ENSMUSG0 Gm14698
ENSMUSG0	215.5458	0.331559	0.499759	0.663439	0.507049	0.891514	ENSMUSG0 Ccdc80
ENSMUSG0	10.3379	-0.66085	0.996178	-0.66338	0.507084	0.891514	ENSMUSG0 Reg3a
ENSMUSG0	111.5928	0.156916	0.236547	0.663362	0.507099	0.891514	ENSMUSG0 Hacd1
ENSMUSG0	185.3569	-0.11825	0.1783	-0.66322	0.507191	0.891514	ENSMUSG0 Slc25a26
ENSMUSG0	1167.822	-0.17074	0.257497	-0.66308	0.507279	0.891514	ENSMUSG0 Ak6
ENSMUSG0	8267.091	-0.18119	0.273258	-0.66308	0.507282	0.891514	ENSMUSG0 Chchd2
ENSMUSG0	709.8985	-0.16279	0.245525	-0.66305	0.507301	0.891514	ENSMUSG0 Nat9
ENSMUSG0	187.4896	0.192643	0.290543	0.663045	0.507302	0.891514	ENSMUSG0 Vangl1
ENSMUSG0	5.99915	-0.82019	1.23712	-0.66299	0.507339	0.891514	ENSMUSG0 Trgc2
ENSMUSG0	96.01342	0.697365	1.051883	0.662968	0.507351	0.891514	ENSMUSG0 Ms4a4b
ENSMUSG0	552.3688	0.113084	0.170596	0.662875	0.50741	0.891523	ENSMUSG0 Champ1
ENSMUSG0	736.5672	0.143206	0.216075	0.66276	0.507484	0.891523	ENSMUSG0 Cdc27
ENSMUSG0	1308.693	0.110013	0.165997	0.662743	0.507495	0.891523	ENSMUSG0 Kif3b
ENSMUSG0	1022.506	0.090737	0.136943	0.662586	0.507596	0.891567	ENSMUSG0 Rars
ENSMUSG0	215.8754	-0.22101	0.333576	-0.66255	0.507618	0.891567	ENSMUSG0 Pighb
ENSMUSG0	7.208409	0.408289	0.616297	0.662487	0.507659	0.891567	ENSMUSG0 Gm43437
ENSMUSG0	201.9818	0.164889	0.248933	0.66238	0.507728	0.891606	ENSMUSG0 Mylip
ENSMUSG0	23553.17	0.169549	0.256049	0.662176	0.507859	0.89167	ENSMUSG0 Rps3
ENSMUSG0	803.3572	-0.25103	0.379127	-0.66214	0.507882	0.89167	ENSMUSG0 Syngap1
ENSMUSG0	1067.001	0.107072	0.161715	0.662106	0.507903	0.89167	ENSMUSG0 Sh3gl1
ENSMUSG0	138.6789	-0.43025	0.649979	-0.66194	0.50801	0.891676	ENSMUSG0 Ig1c3
ENSMUSG0	2624.889	-0.14124	0.213416	-0.66182	0.508086	0.891676	ENSMUSG0 Pdcd4
ENSMUSG0	25.11455	-0.26459	0.399794	-0.66182	0.508089	0.891676	ENSMUSG0 Gm9828
ENSMUSG0	100.2878	0.311726	0.47102	0.661811	0.508092	0.891676	ENSMUSG0 Pcdhga3
ENSMUSG0	173.7484	0.132799	0.200726	0.661596	0.50823	0.891687	ENSMUSG0 Rwdd2b
ENSMUSG0	1144.989	-0.16307	0.246485	-0.6616	0.508231	0.891687	ENSMUSG0 Tmem9b
ENSMUSG0	1556.838	-0.15512	0.234465	-0.66158	0.508238	0.891687	ENSMUSG0 Zfp148
ENSMUSG0	11.24917	0.319524	0.483083	0.661427	0.508339	0.891783	ENSMUSG0 Gm49870
ENSMUSG0	206.616	-0.16461	0.248971	-0.66117	0.508504	0.891849	ENSMUSG0 Shld2
ENSMUSG0	463.9146	-0.17178	0.259838	-0.66112	0.508538	0.891849	ENSMUSG0 Elmo1
ENSMUSG0	1099.067	-0.16928	0.256057	-0.6611	0.508547	0.891849	ENSMUSG0 Ncoa7
ENSMUSG0	474.4828	-0.15578	0.235646	-0.66108	0.508562	0.891849	ENSMUSG0 Gtf2f2
ENSMUSG0	561.9212	-0.12387	0.187438	-0.66086	0.508703	0.891873	ENSMUSG0 Tent2
ENSMUSG0	40.22943	0.195841	0.296387	0.660759	0.508767	0.891873	ENSMUSG0 Ccdc68
ENSMUSG0	6.240378	-0.65573	0.992442	-0.66073	0.508787	0.891873	ENSMUSG0 Gm5173
ENSMUSG0	11.32924	0.463099	0.7009	0.66072	0.508792	0.891873	ENSMUSG0 Cd160
ENSMUSG0	184.8183	0.225901	0.341944	0.660639	0.508844	0.891873	ENSMUSG0 Wdr54
ENSMUSG0	243.9127	0.328281	0.497019	0.660499	0.508933	0.891873	ENSMUSG0 Il16
ENSMUSG0	520.8871	0.162295	0.245753	0.660401	0.508997	0.891873	ENSMUSG0 Usp25
ENSMUSG0	8589.13	0.09267	0.140347	0.660292	0.509067	0.891873	ENSMUSG0 Hnrnpk
ENSMUSG0	48.08746	0.275859	0.417836	0.66021	0.509119	0.891873	ENSMUSG0 Rims4
ENSMUSG0	1046.133	0.085952	0.130207	0.660117	0.509179	0.891873	ENSMUSG0 Uba3
ENSMUSG0	40.62919	0.413292	0.626102	0.660103	0.509188	0.891873	ENSMUSG0 Cfap44
ENSMUSG0	67.90014	-0.1697	0.257081	-0.6601	0.50919	0.891873	ENSMUSG0 Gm3194
ENSMUSG0	371.4555	-0.12887	0.195238	-0.66008	0.509205	0.891873	ENSMUSG0 Ighmbp2
ENSMUSG0	587.7211	-0.21675	0.328381	-0.66005	0.509225	0.891873	ENSMUSG0 Stox2
ENSMUSG0	11.23056	-0.46806	0.709303	-0.65989	0.509326	0.891912	ENSMUSG0 AC150312.1

ENSMUSG0	533.3526	-0.12693	0.192368	-0.65984	0.509354	0.891912	ENSMUSG0 Acvr1
ENSMUSG0	98.51539	0.313402	0.475136	0.659604	0.509508	0.891912	ENSMUSG0 Pclaf
ENSMUSG0	168.1873	-0.15332	0.232448	-0.6596	0.509509	0.891912	ENSMUSG0 Mettl22
ENSMUSG0	3.395542	-0.78684	1.192916	-0.65959	0.509515	0.891912	ENSMUSG0 Igkv14-100
ENSMUSG0	7.244678	0.631607	0.957781	0.659449	0.509608	0.891912	ENSMUSG0 Cass4
ENSMUSG0	2136.109	0.192892	0.292534	0.659385	0.509648	0.891912	ENSMUSG0 Psme1
ENSMUSG0	4555.541	-0.13117	0.198939	-0.65934	0.509677	0.891912	ENSMUSG0 Stt3a
ENSMUSG0	2158.41	-0.08322	0.126222	-0.65931	0.509696	0.891912	ENSMUSG0 Gps1
ENSMUSG0	16.13847	0.396753	0.60179	0.659288	0.509711	0.891912	ENSMUSG0 Il1rl2
ENSMUSG0	159.6799	-0.25946	0.393762	-0.65893	0.509943	0.891975	ENSMUSG0 Dnhd1
ENSMUSG0	484.3945	0.17162	0.260454	0.658926	0.509944	0.891975	ENSMUSG0 Tubgcp4
ENSMUSG0	141.1015	0.172537	0.261867	0.658874	0.509977	0.891975	ENSMUSG0 Haus6
ENSMUSG0	6.667195	0.539561	0.818987	0.658815	0.510015	0.891975	ENSMUSG0 Zmat4
ENSMUSG0	4.355593	-0.63222	0.959722	-0.65876	0.510053	0.891975	ENSMUSG0 2600002D1
ENSMUSG0	11.1083	-0.40822	0.619815	-0.65862	0.510139	0.891975	ENSMUSG0 Smc2os
ENSMUSG0	2290.073	-0.12481	0.189516	-0.65858	0.510169	0.891975	ENSMUSG0 Slc25a11
ENSMUSG0	802.8655	0.170896	0.259497	0.658567	0.510174	0.891975	ENSMUSG0 Camsap2
ENSMUSG0	91.73676	-0.25465	0.386699	-0.65853	0.510199	0.891975	ENSMUSG0 Gm14327
ENSMUSG0	5.031979	-0.68727	1.043667	-0.65851	0.51021	0.891975	ENSMUSG0 Ceacam16
ENSMUSG0	299.499	-0.21338	0.324111	-0.65835	0.510314	0.892075	ENSMUSG0 Pfdn4
ENSMUSG0	784.8879	-0.09063	0.137731	-0.65799	0.510547	0.892357	ENSMUSG0 Rab36
ENSMUSG0	5.575343	0.512916	0.779591	0.65793	0.510583	0.892357	ENSMUSG0 Gm32151
ENSMUSG0	1343.2	-0.17315	0.263198	-0.65788	0.510614	0.892357	ENSMUSG0 Cox14
ENSMUSG0	56.56385	-0.20938	0.318363	-0.65769	0.510736	0.892405	ENSMUSG0 Gm17435
ENSMUSG0	912.0514	0.085811	0.13048	0.657651	0.510762	0.892405	ENSMUSG0 Snx18
ENSMUSG0	338.0233	0.181889	0.276597	0.657598	0.510797	0.892405	ENSMUSG0 Nr3c2
ENSMUSG0	5.985152	0.616895	0.938172	0.65755	0.510827	0.892405	ENSMUSG0 Ermap
ENSMUSG0	335.9491	0.169942	0.2585	0.657415	0.510914	0.892467	ENSMUSG0 Iqsec2
ENSMUSG0	521.6893	-0.11824	0.179875	-0.65735	0.510955	0.892467	ENSMUSG0 Zfp212
ENSMUSG0	565.1748	-0.14358	0.218465	-0.65722	0.511036	0.892474	ENSMUSG0 Phospho2
ENSMUSG0	4.105918	0.656952	0.999621	0.6572	0.511052	0.892474	ENSMUSG0 Gm45809
ENSMUSG0	3.258426	0.790094	1.202599	0.656988	0.511188	0.892568	ENSMUSG0 Ighv1-34
ENSMUSG0	939.4729	-0.13054	0.198698	-0.65697	0.511199	0.892568	ENSMUSG0 Gnl3
ENSMUSG0	1611.734	0.238489	0.363068	0.656871	0.511264	0.8926	ENSMUSG0 Cdc42bpa
ENSMUSG0	17.93819	0.340194	0.517989	0.65676	0.511335	0.892644	ENSMUSG0 A530030E2
ENSMUSG0	12371.75	-0.14785	0.225353	-0.65608	0.51177	0.89324	ENSMUSG0 Rps6
ENSMUSG0	3.003901	0.670509	1.022076	0.656027	0.511807	0.89324	ENSMUSG0 Gm37645
ENSMUSG0	72.73038	0.150261	0.229093	0.655895	0.511892	0.89324	ENSMUSG0 Ccdc40
ENSMUSG0	11.71524	0.306483	0.467288	0.655877	0.511903	0.89324	ENSMUSG0 Gm42528
ENSMUSG0	1224.471	0.187119	0.285299	0.655868	0.511909	0.89324	ENSMUSG0 Taf1
ENSMUSG0	5.993611	0.625154	0.953533	0.655619	0.51207	0.893361	ENSMUSG0 Hs3st3a1
ENSMUSG0	73.49317	0.382243	0.583029	0.655617	0.512071	0.893361	ENSMUSG0 Espl1
ENSMUSG0	262.2919	-0.14182	0.216464	-0.65516	0.512364	0.893771	ENSMUSG0 Slc19a1
ENSMUSG0	100.9193	-0.17773	0.271314	-0.65505	0.512433	0.893771	ENSMUSG0 Mblac1
ENSMUSG0	287.1771	0.108291	0.165321	0.655034	0.512446	0.893771	ENSMUSG0 Agfg2
ENSMUSG0	26.48648	0.250333	0.382361	0.654702	0.512659	0.893939	ENSMUSG0 Gdpd3
ENSMUSG0	1396.316	0.149716	0.228682	0.65469	0.512667	0.893939	ENSMUSG0 Hsd17b12
ENSMUSG0	337.3174	-0.13641	0.208364	-0.65465	0.512692	0.893939	ENSMUSG0 Dph1
ENSMUSG0	15.83134	0.428284	0.654322	0.654547	0.51276	0.893939	ENSMUSG0 Gm12250
ENSMUSG0	4.0595	0.593528	0.906808	0.654524	0.512774	0.893939	ENSMUSG0 Gm19582
ENSMUSG0	295.3364	0.185806	0.283935	0.654397	0.512856	0.894001	ENSMUSG0 Cebpa
ENSMUSG0	5.242032	-0.48348	0.738941	-0.65429	0.512926	0.894041	ENSMUSG0 Gm5619

ENSMUSG0	478.7738	0.116969	0.178832	0.654072	0.513065	0.894148	ENSMUSG0 Wdr3
ENSMUSG0	13.45827	-0.42887	0.655717	-0.65405	0.51308	0.894148	ENSMUSG0 Gm42769
ENSMUSG0	10.00763	-0.36958	0.565359	-0.65371	0.513301	0.894305	ENSMUSG0 Gm26558
ENSMUSG0	425.2664	0.157212	0.240514	0.65365	0.513337	0.894305	ENSMUSG0 Fam210a
ENSMUSG0	5.197483	-0.58541	0.895627	-0.65363	0.513349	0.894305	ENSMUSG0 Gm12962
ENSMUSG0	70.6486	0.371565	0.568563	0.653516	0.513424	0.894305	ENSMUSG0 Fgr
ENSMUSG0	37.51759	-0.25822	0.395236	-0.65332	0.513549	0.894305	ENSMUSG04632411P0
ENSMUSG0	14.05266	0.43429	0.664761	0.653302	0.513562	0.894305	ENSMUSG0 Tnni2
ENSMUSG0	1905.996	-0.17449	0.267108	-0.65326	0.513588	0.894305	ENSMUSG0 Mafg
ENSMUSG0	25.73846	-0.33262	0.50919	-0.65323	0.513609	0.894305	ENSMUSG0 Gm2004
ENSMUSG0	288.2579	-0.13088	0.200368	-0.65319	0.513633	0.894305	ENSMUSG0 Mmachc
ENSMUSG0	17.71738	0.408919	0.626036	0.653188	0.513635	0.894305	ENSMUSG0 Klr1b1c
ENSMUSG0	1946.286	0.151797	0.232493	0.65291	0.513814	0.894487	ENSMUSG0 Usp47
ENSMUSG0	784.8773	-0.14728	0.225625	-0.65278	0.5139	0.894487	ENSMUSG0 Timm10b
ENSMUSG0	66.77944	-0.1652	0.253091	-0.65274	0.513923	0.894487	ENSMUSG0 Zfp939
ENSMUSG0	1677.94	-0.15354	0.235247	-0.6527	0.513952	0.894487	ENSMUSG0 Bcas2
ENSMUSG0	18.2647	-0.23814	0.364873	-0.65267	0.513972	0.894487	ENSMUSG0 Gm2897
ENSMUSG0	53.96925	0.411808	0.631191	0.65243	0.514124	0.894593	ENSMUSG0 Hcst
ENSMUSG0	181.1524	0.175403	0.268847	0.652427	0.514126	0.894593	ENSMUSG0A030001D2
ENSMUSG0	66.03467	-0.22063	0.338218	-0.65232	0.514192	0.894627	ENSMUSG0D330050110
ENSMUSG0	328.5013	-0.11053	0.169494	-0.65212	0.514327	0.89467	ENSMUSG0 Spata7
ENSMUSG0	52.38583	0.186824	0.286504	0.652081	0.514349	0.89467	ENSMUSG0 Ager
ENSMUSG0	1631.681	-0.12524	0.192065	-0.65207	0.514356	0.89467	ENSMUSG0 Wwp2
ENSMUSG0	27.88294	0.385413	0.591437	0.651655	0.514624	0.894892	ENSMUSG0 Gm36936
ENSMUSG0	3.273975	-0.59966	0.920242	-0.65164	0.514634	0.894892	ENSMUSG0 Srsf3-ps
ENSMUSG0	1961.563	0.102375	0.157131	0.651523	0.514709	0.894892	ENSMUSG0 Otub1
ENSMUSG0	4.299154	0.68085	1.045031	0.651512	0.514716	0.894892	ENSMUSG0 Aqp9
ENSMUSG0	937.1002	-0.0793	0.121722	-0.65151	0.514717	0.894892	ENSMUSG0 Pgghg
ENSMUSG0	328.6396	0.208174	0.319619	0.65132	0.51484	0.895025	ENSMUSG0 Wrn
ENSMUSG0	11.21835	0.325267	0.499691	0.650937	0.515087	0.89513	ENSMUSG049305200C
ENSMUSG0	545.9736	0.111333	0.171038	0.650929	0.515092	0.89513	ENSMUSG0 Nudt18
ENSMUSG0	1841.19	0.195483	0.300349	0.650852	0.515142	0.89513	ENSMUSG0 Rgs5
ENSMUSG0	40.21844	-0.16967	0.260739	-0.65074	0.515216	0.89513	ENSMUSG0A230056P1
ENSMUSG0	2006.582	0.124545	0.191393	0.650731	0.51522	0.89513	ENSMUSG0 Ap1g1
ENSMUSG0	911.5691	-0.17188	0.264145	-0.65071	0.515232	0.89513	ENSMUSG0 Rev3l
ENSMUSG0	539.8532	-0.10271	0.157863	-0.65063	0.515282	0.89513	ENSMUSG0 Phylip1
ENSMUSG0	3.720094	-0.5198	0.798915	-0.65063	0.515283	0.89513	ENSMUSG06030466F0
ENSMUSG0	177.1425	-0.17792	0.273532	-0.65044	0.515407	0.89513	ENSMUSG0 Zfp958
ENSMUSG0	59.48204	0.271288	0.417273	0.650146	0.515598	0.89513	ENSMUSG0 Hs6st3
ENSMUSG0	10.25751	0.363099	0.558517	0.650112	0.51562	0.89513	ENSMUSG0 Gm14634
ENSMUSG0	19.92488	0.251908	0.387504	0.650078	0.515642	0.89513	ENSMUSG0 Gm20501
ENSMUSG0	6.696654	-0.53125	0.817252	-0.65005	0.515661	0.89513	ENSMUSG0 Gpr21
ENSMUSG0	324.69	0.170036	0.261585	0.65002	0.515679	0.89513	ENSMUSG0 Fbxo30
ENSMUSG0	3.394286	-0.62245	0.957662	-0.64997	0.515713	0.89513	ENSMUSG0 Gm45112
ENSMUSG0	235.8475	0.24823	0.381925	0.649944	0.515729	0.89513	ENSMUSG0 Ncf2
ENSMUSG0	9889.367	-0.1189	0.182947	-0.64992	0.515741	0.89513	ENSMUSG0 Slc38a10
ENSMUSG0	821.3503	-0.10336	0.159058	-0.64982	0.51581	0.89513	ENSMUSG0 Inpp5k
ENSMUSG0	8.792301	0.510403	0.785553	0.649737	0.515862	0.89513	ENSMUSG0 Sfmbt2
ENSMUSG0	5188.091	-0.08632	0.132861	-0.64971	0.515877	0.89513	ENSMUSG0 Ganab
ENSMUSG0	3.592191	-0.88538	1.363461	-0.64936	0.516103	0.895402	ENSMUSG0 Gm12990
ENSMUSG0	550.5176	-0.14999	0.231056	-0.64916	0.516236	0.895402	ENSMUSG0 Yaf2
ENSMUSG0	257.2748	-0.14185	0.218524	-0.64915	0.516244	0.895402	ENSMUSG0 Nmnat3

ENSMUSG0	3.55454	-0.63291	0.975051	-0.6491	0.516271	0.895402	ENSMUSG0B230398E0
ENSMUSG0	4813.211	0.096276	0.148331	0.64906	0.5163	0.895402	ENSMUSG0 Gpi1
ENSMUSG0	1337.372	-0.1951	0.300717	-0.6488	0.51647	0.895402	ENSMUSG0 Rb1cc1
ENSMUSG0	9.034396	0.602865	0.929368	0.648683	0.516543	0.895402	ENSMUSG0 F2rl2
ENSMUSG0	416.9437	0.144348	0.222537	0.648649	0.516566	0.895402	ENSMUSG0 Rxylt1
ENSMUSG0	4.4664	0.745629	1.149891	0.648434	0.516704	0.895402	ENSMUSG0 H2ac11
ENSMUSG0	831.5367	-0.18151	0.279921	-0.64842	0.516712	0.895402	ENSMUSG0 Mrpl58
ENSMUSG0	9.204927	-0.36621	0.564815	-0.64838	0.51674	0.895402	ENSMUSG0 Gm6787
ENSMUSG0	1070.858	-0.06601	0.101816	-0.64832	0.516775	0.895402	ENSMUSG0 Dctn4
ENSMUSG0	579.3896	0.118428	0.182698	0.64822	0.516842	0.895402	ENSMUSG0 Rsl24d1
ENSMUSG0	1050.228	-0.12518	0.193134	-0.64814	0.516896	0.895402	ENSMUSG0 Bahd1
ENSMUSG0	1092.922	-0.17985	0.277514	-0.64806	0.516943	0.895402	ENSMUSG0 Dut
ENSMUSG0	415.5265	0.118705	0.18319	0.64799	0.516991	0.895402	ENSMUSG0 Lysmd1
ENSMUSG0	9858.364	0.152894	0.236028	0.647777	0.517129	0.895402	ENSMUSG0 Cfl1
ENSMUSG0	11.64382	-0.33838	0.522378	-0.64776	0.517138	0.895402	ENSMUSG04930555F0
ENSMUSG0	5.780669	-0.41295	0.637523	-0.64774	0.517154	0.895402	ENSMUSG0 Mir205hg
ENSMUSG0	27.74313	0.24532	0.378869	0.647506	0.517304	0.895402	ENSMUSG0 Il20rb
ENSMUSG0	558.499	-0.10738	0.16584	-0.6475	0.517308	0.895402	ENSMUSG0 Trub2
ENSMUSG0	1166.886	-0.13968	0.215731	-0.64749	0.517312	0.895402	ENSMUSG0 Ttc14
ENSMUSG0	5.344926	0.610024	0.942206	0.647442	0.517346	0.895402	ENSMUSG0 Gm14335
ENSMUSG0	2913.149	0.163093	0.251905	0.64744	0.517347	0.895402	ENSMUSG0 Tns3
ENSMUSG0	1444.502	-0.14983	0.231443	-0.64739	0.517382	0.895402	ENSMUSG0 Emg1
ENSMUSG0	610.706	-0.12181	0.188167	-0.64737	0.517392	0.895402	ENSMUSG0 Acads
ENSMUSG0	379.4377	0.163867	0.253129	0.647366	0.517395	0.895402	ENSMUSG0 Kansl1l
ENSMUSG0	746.0752	-0.11874	0.183456	-0.64722	0.517491	0.895402	ENSMUSG0 Pdcd10
ENSMUSG0	13.75211	0.37141	0.573961	0.6471	0.517567	0.895402	ENSMUSG0 Gm37844
ENSMUSG0	1747.786	0.093643	0.14472	0.647064	0.517591	0.895402	ENSMUSG0 Eif4e
ENSMUSG0	4.890884	-0.47955	0.741156	-0.64703	0.517614	0.895402	ENSMUSG0 Gpr37
ENSMUSG0	486.9895	-0.14824	0.229103	-0.64702	0.517617	0.895402	ENSMUSG0 Mlh3
ENSMUSG0	28.51099	0.228472	0.353121	0.647009	0.517626	0.895402	ENSMUSG08430432A0
ENSMUSG0	3.950817	0.56786	0.877692	0.646992	0.517637	0.895402	ENSMUSG0 Gm44200
ENSMUSG0	29.67437	-0.36599	0.565709	-0.64695	0.517663	0.895402	ENSMUSG0 Tinag
ENSMUSG0	8.111369	0.452291	0.699209	0.64686	0.517722	0.895424	ENSMUSG0C130060C0
ENSMUSG0	14.05773	-0.26535	0.410299	-0.64673	0.517804	0.895485	ENSMUSG0 Gm14286
ENSMUSG0	35.86014	0.282732	0.437263	0.646594	0.517895	0.895494	ENSMUSG0 Gtse1
ENSMUSG0	700.2497	-0.11646	0.180115	-0.64658	0.517903	0.895494	ENSMUSG0 Timm50
ENSMUSG0	729.8921	-0.13593	0.210252	-0.64651	0.517949	0.895494	ENSMUSG01110008P1
ENSMUSG0	287.4922	-0.17593	0.272187	-0.64636	0.518048	0.895494	ENSMUSG0 Chac1
ENSMUSG0	1044.805	0.16784	0.259696	0.646294	0.518089	0.895494	ENSMUSG0 Zyg11b
ENSMUSG0	352.5597	-0.25436	0.393694	-0.64609	0.518219	0.895494	ENSMUSG0 Prob1
ENSMUSG0	33366.16	-0.19526	0.302223	-0.64608	0.518229	0.895494	ENSMUSG0 Fos
ENSMUSG0	4431.69	-0.13207	0.204454	-0.64598	0.518295	0.895494	ENSMUSG0 Metap2
ENSMUSG0	3263.821	-0.14627	0.226448	-0.64592	0.51833	0.895494	ENSMUSG0 Purb
ENSMUSG0	161.7502	0.211622	0.327668	0.645842	0.518381	0.895494	ENSMUSG02210408I21
ENSMUSG0	450.3891	0.157923	0.244547	0.64578	0.518422	0.895494	ENSMUSG0 Tdrd3
ENSMUSG0	149.5767	0.359794	0.557164	0.64576	0.518435	0.895494	ENSMUSG0 Gpr183
ENSMUSG0	72.03283	0.193334	0.29946	0.645608	0.518533	0.895494	ENSMUSG0 Igln5
ENSMUSG0	2323.409	-0.13996	0.216808	-0.64557	0.51856	0.895494	ENSMUSG0 Pim3
ENSMUSG0	93.27242	-0.24513	0.379721	-0.64556	0.518563	0.895494	ENSMUSG0 Gm37607
ENSMUSG0	15.74903	-0.36128	0.559662	-0.64554	0.51858	0.895494	ENSMUSG0 Gm34961
ENSMUSG0	14.10579	-0.36547	0.566178	-0.6455	0.518601	0.895494	ENSMUSG0 Gm44647
ENSMUSG0	1018.276	0.737628	1.142962	0.645365	0.518691	0.895498	ENSMUSG0 Galnt2l

ENSMUSG0	1649.421	0.161335	0.250009	0.645319	0.518721	0.895498	ENSMUSG0 Podxl2
ENSMUSG0	6.662978	-0.52809	0.818501	-0.64519	0.518803	0.895498	ENSMUSG0 Gm48978
ENSMUSG0	17.7609	-0.38354	0.594526	-0.64513	0.518846	0.895498	ENSMUSG0 Gm12905
ENSMUSG0	46.7741	0.328708	0.5096	0.645032	0.518906	0.895498	ENSMUSG0 Loxl3
ENSMUSG0	90.17957	-0.2163	0.335357	-0.64499	0.518931	0.895498	ENSMUSG0 Zfp354a
ENSMUSG0	9.620784	-0.90807	1.408001	-0.64493	0.518969	0.895498	ENSMUSG0 Ccl8
ENSMUSG0	739.0133	0.093169	0.144465	0.644925	0.518976	0.895498	ENSMUSG0 Prmt5
ENSMUSG0	77.24109	0.362999	0.563015	0.644742	0.519094	0.895623	ENSMUSG0 Ccr2
ENSMUSG0	12.09677	0.319754	0.496041	0.644611	0.519179	0.895632	ENSMUSG0A230103J1:
ENSMUSG0	46.11395	-0.22986	0.356601	-0.64459	0.519193	0.895632	ENSMUSG0 Smim3
ENSMUSG0	1855.867	-0.10493	0.162849	-0.64434	0.519354	0.895695	ENSMUSG0 Lsm14a
ENSMUSG0	2339.966	-0.08325	0.129207	-0.64429	0.519385	0.895695	ENSMUSG0 Snx17
ENSMUSG0	271.2974	0.209424	0.325075	0.644233	0.519424	0.895695	ENSMUSG0 BC024978
ENSMUSG0	12.27223	0.69286	1.07553	0.644203	0.519444	0.895695	ENSMUSG0 Gm18853
ENSMUSG0	958.1721	-0.09338	0.14496	-0.64418	0.519462	0.895695	ENSMUSG0 Slc25a17
ENSMUSG0	27.96139	0.24449	0.379685	0.643928	0.519622	0.89589	ENSMUSG0 Catip
ENSMUSG0	327.7873	0.207731	0.322672	0.643784	0.519716	0.895906	ENSMUSG0 Rasip1
ENSMUSG0	515.6165	-0.12677	0.196921	-0.64377	0.519724	0.895906	ENSMUSG0 Pelo
ENSMUSG0	17.12499	-0.33111	0.514598	-0.64343	0.519942	0.896139	ENSMUSG0AC154542..
ENSMUSG0	6145.398	-0.1448	0.225055	-0.64342	0.519953	0.896139	ENSMUSG0 Selenot
ENSMUSG0	35.14614	0.277683	0.431659	0.643292	0.520035	0.896193	ENSMUSG0 Pi15
ENSMUSG0	5820.793	-0.12315	0.191487	-0.64315	0.520127	0.896193	ENSMUSG0 Ssr1
ENSMUSG0	1524.496	-0.18488	0.287503	-0.64307	0.520182	0.896193	ENSMUSG0 Adam22
ENSMUSG0	36.16205	0.340563	0.529661	0.642983	0.520235	0.896193	ENSMUSG0 Tespa1
ENSMUSG0	1579.07	0.11271	0.175296	0.642969	0.520244	0.896193	ENSMUSG0 Fam219a
ENSMUSG0	909.895	-0.12994	0.202101	-0.64294	0.520263	0.896193	ENSMUSG0 Josd2
ENSMUSG0	431.3107	-0.21101	0.32826	-0.6428	0.520351	0.896264	ENSMUSG0 Prorsd1
ENSMUSG0	5.111029	0.6367	0.990778	0.642626	0.520467	0.896383	ENSMUSG0 Igkv3-7
ENSMUSG0	5.366696	-0.47212	0.735229	-0.64214	0.520781	0.896667	ENSMUSG0 Gm41077
ENSMUSG0	467.9034	0.132457	0.206284	0.642113	0.5208	0.896667	ENSMUSG0 Zfp949
ENSMUSG0	3.000394	0.546909	0.85185	0.642025	0.520857	0.896667	ENSMUSG0 Gm4735
ENSMUSG0	4.03723	0.732146	1.140479	0.641963	0.520897	0.896667	ENSMUSG0493243502
ENSMUSG0	4.506492	-0.56488	0.880037	-0.64188	0.520952	0.896667	ENSMUSG0 Igkv2-112
ENSMUSG0	1801.482	-0.10843	0.168935	-0.64187	0.520954	0.896667	ENSMUSG0 Gsk3a
ENSMUSG0	881.3044	0.134328	0.209276	0.641869	0.520958	0.896667	ENSMUSG0 Mxd1
ENSMUSG0	74.18007	0.281822	0.439264	0.641579	0.521146	0.89672	ENSMUSG0 Rhod
ENSMUSG0	837.1791	-0.1027	0.160078	-0.64153	0.521177	0.89672	ENSMUSG0 Septin11
ENSMUSG0	1887.887	-0.09932	0.15482	-0.6415	0.521199	0.89672	ENSMUSG0 Sec14l1
ENSMUSG0	109.752	-0.22774	0.35506	-0.64141	0.521257	0.89672	ENSMUSG0 Kbtbd8
ENSMUSG0	5.116985	0.469881	0.732681	0.641318	0.521316	0.89672	ENSMUSG0 Gm31748
ENSMUSG0	401.281	0.287563	0.448436	0.641258	0.521355	0.89672	ENSMUSG0 Grap
ENSMUSG0	236.7413	-0.12451	0.194178	-0.64119	0.521397	0.89672	ENSMUSG0 Naf1
ENSMUSG0	133.9621	0.214738	0.334952	0.641103	0.521456	0.89672	ENSMUSG0 Vsig10l
ENSMUSG0	1014.96	0.123333	0.19239	0.641053	0.521488	0.89672	ENSMUSG0 Setx
ENSMUSG0	1969.868	-0.13446	0.209761	-0.641	0.52152	0.89672	ENSMUSG0 Slc39a9
ENSMUSG0	30.70961	0.280095	0.43702	0.640919	0.521575	0.89672	ENSMUSG0 Tent5d
ENSMUSG0	848.3837	-0.09876	0.154096	-0.64092	0.521575	0.89672	ENSMUSG0 Gopc
ENSMUSG0	1301.978	-0.08446	0.131786	-0.64086	0.521615	0.89672	ENSMUSG0 Arih2
ENSMUSG0	68.28072	-0.22007	0.343413	-0.64082	0.521642	0.89672	ENSMUSG0 Trpc4
ENSMUSG0	682.4183	-0.10307	0.160896	-0.64059	0.52179	0.89683	ENSMUSG0 Klc4
ENSMUSG0	1284.965	0.145998	0.227918	0.640572	0.521801	0.89683	ENSMUSG0 Fnbp4
ENSMUSG0	21067.44	-0.09038	0.141112	-0.64047	0.52187	0.89683	ENSMUSG0 Syt13

ENSMUSG0	290.301	0.202604	0.31648	0.640182	0.522054	0.89683	ENSMUSG0 Zfp532
ENSMUSG0	6.447827	-0.51775	0.808771	-0.64017	0.522059	0.89683	ENSMUSG0 Gm48231
ENSMUSG0	28.1407	-0.33866	0.529137	-0.64003	0.522152	0.89683	ENSMUSG0 Gm43775
ENSMUSG0	123.7708	-0.20844	0.325718	-0.63994	0.522214	0.89683	ENSMUSG0 Gm6710
ENSMUSG0	13.49767	-0.369	0.576643	-0.63992	0.522228	0.89683	ENSMUSG0 Amd2
ENSMUSG0	852.2428	-0.10565	0.165122	-0.6398	0.522301	0.89683	ENSMUSG0 Sema4b
ENSMUSG0	64.30803	-0.19582	0.30607	-0.63977	0.52232	0.89683	ENSMUSG0 Nthl1
ENSMUSG0	51.08435	0.216596	0.33865	0.639586	0.522441	0.89683	ENSMUSG0 Dnajb3
ENSMUSG0	3.974776	-0.60189	0.941147	-0.63953	0.522478	0.89683	ENSMUSG0 Gm10812
ENSMUSG0	1294.426	-0.25693	0.401788	-0.63946	0.522527	0.89683	ENSMUSG0 Zim1
ENSMUSG0	4.740858	-0.4648	0.726915	-0.63941	0.522555	0.89683	ENSMUSG0 F7
ENSMUSG0	142.4268	0.133046	0.208081	0.639393	0.522567	0.89683	ENSMUSG0 Colgalt2
ENSMUSG0	132.4485	0.322251	0.504094	0.639268	0.522649	0.89683	ENSMUSG0 B3gnt5
ENSMUSG0	1806.053	0.225157	0.352216	0.63926	0.522654	0.89683	ENSMUSG0 Aak1
ENSMUSG0	40.56474	-0.19993	0.312805	-0.63916	0.52272	0.89683	ENSMUSG0 Gm9864
ENSMUSG0	35.39066	0.402096	0.629157	0.639103	0.522756	0.89683	ENSMUSG0 Tnfrsf18
ENSMUSG0	979.2057	-0.11464	0.179393	-0.63903	0.522802	0.89683	ENSMUSG0 Brd9
ENSMUSG0	400.1843	-0.19617	0.307015	-0.63897	0.522839	0.89683	ENSMUSG0 Swt1
ENSMUSG0	32.84022	-0.28617	0.447879	-0.63894	0.52286	0.89683	ENSMUSG0 6430562O1
ENSMUSG0	6880.432	-0.16424	0.257082	-0.63885	0.522921	0.89683	ENSMUSG0 Enho
ENSMUSG0	1193.981	0.127661	0.199836	0.638829	0.522934	0.89683	ENSMUSG0 Flot1
ENSMUSG0	108.3245	-0.17847	0.279408	-0.63875	0.522987	0.89683	ENSMUSG0 Mars2
ENSMUSG0	4739.174	-0.17523	0.274369	-0.63867	0.523038	0.89683	ENSMUSG0 Bex2
ENSMUSG0	7.390125	0.383222	0.600213	0.638478	0.523163	0.89683	ENSMUSG0 Tspan2os
ENSMUSG0	1343.792	0.18696	0.292823	0.638476	0.523164	0.89683	ENSMUSG0 Apc
ENSMUSG0	439.9035	-0.12408	0.194397	-0.6383	0.523279	0.89683	ENSMUSG0 Gstt2
ENSMUSG0	147.0643	-0.15894	0.249006	-0.63829	0.523282	0.89683	ENSMUSG0 Nup43
ENSMUSG0	4.377726	0.512812	0.803629	0.63812	0.523395	0.89683	ENSMUSG0 Gm4129
ENSMUSG0	9117.814	-0.13311	0.20861	-0.6381	0.523408	0.89683	ENSMUSG0 Tm4sf4
ENSMUSG0	134.1547	0.231725	0.363169	0.638063	0.523432	0.89683	ENSMUSG0 Fan1
ENSMUSG0	17.44635	0.342943	0.537659	0.637845	0.523575	0.89683	ENSMUSG0 Gm42553
ENSMUSG0	235.9948	0.23516	0.3687	0.637808	0.523598	0.89683	ENSMUSG0 Cmtm8
ENSMUSG0	15.56977	0.295934	0.464107	0.637641	0.523707	0.89683	ENSMUSG0 4930423D2
ENSMUSG0	1017.415	0.195303	0.30637	0.637474	0.523816	0.89683	ENSMUSG0 Cbl
ENSMUSG0	3281.777	-0.09843	0.154402	-0.63747	0.523821	0.89683	ENSMUSG0 Ubtf
ENSMUSG0	233.9302	-0.15598	0.244689	-0.63745	0.523832	0.89683	ENSMUSG0 Adgrl3
ENSMUSG0	120.3872	0.146842	0.230412	0.637305	0.523926	0.89683	ENSMUSG0 Tmem53
ENSMUSG0	299.7881	-0.20814	0.32659	-0.6373	0.52393	0.89683	ENSMUSG0 Kit
ENSMUSG0	48.31054	0.356839	0.559936	0.637285	0.523939	0.89683	ENSMUSG0 Itgam
ENSMUSG0	306.102	-0.20447	0.320879	-0.63722	0.523983	0.89683	ENSMUSG0 D17H6S53E
ENSMUSG0	239.5794	0.188093	0.29523	0.637107	0.524055	0.89683	ENSMUSG0 Tcp11l1
ENSMUSG0	40.84613	0.346087	0.543303	0.637006	0.524121	0.89683	ENSMUSG0 Kif15
ENSMUSG0	91.51962	0.2209	0.346801	0.636965	0.524148	0.89683	ENSMUSG0 Chek1
ENSMUSG0	407.5802	-0.11385	0.178754	-0.63689	0.524197	0.89683	ENSMUSG0 Qtrt1
ENSMUSG0	169.5086	0.171847	0.269825	0.636884	0.524201	0.89683	ENSMUSG0 Ccne2
ENSMUSG0	2065.659	0.124806	0.195973	0.636855	0.524219	0.89683	ENSMUSG0 H2-Q2
ENSMUSG0	1224.22	-0.09652	0.151558	-0.63682	0.524242	0.89683	ENSMUSG0 Hnrnp1l
ENSMUSG0	30.98335	0.420715	0.660706	0.636766	0.524277	0.89683	ENSMUSG0 Itga8
ENSMUSG0	35.11513	0.553238	0.868856	0.636743	0.524292	0.89683	ENSMUSG0 Clec9a
ENSMUSG0	600.0211	-0.14147	0.222205	-0.63666	0.524343	0.89683	ENSMUSG0 1110059E2
ENSMUSG0	14.1535	-0.40266	0.632692	-0.63643	0.524497	0.89683	ENSMUSG0 4933432109
ENSMUSG0	1220.515	-0.12189	0.191529	-0.63639	0.524519	0.89683	ENSMUSG0 Tjp2

ENSMUSG0	1903.219	0.161933	0.254479	0.636334	0.524559	0.89683	ENSMUSG0	Acbd5
ENSMUSG0	5.828036	-0.44206	0.694828	-0.63622	0.524633	0.89683	ENSMUSG0	Gm45120
ENSMUSG0	131.2399	0.136479	0.214551	0.636114	0.524702	0.89683	ENSMUSG0	Sowaha
ENSMUSG0	20.3191	-0.49781	0.782626	-0.63608	0.524724	0.89683	ENSMUSG0	Igkv12-46
ENSMUSG0	676.1073	-0.11027	0.173366	-0.63603	0.524757	0.89683	ENSMUSG0	Thop1
ENSMUSG0	43.43964	0.170907	0.268734	0.63597	0.524796	0.89683	ENSMUSG0	Ccdc151
ENSMUSG0	98.06546	0.184982	0.29088	0.635939	0.524816	0.89683	ENSMUSG0	Rapgef11
ENSMUSG0	302.4553	-0.20704	0.325574	-0.63594	0.524818	0.89683	ENSMUSG0	Pde10a
ENSMUSG0	7553.323	0.129978	0.204407	0.635881	0.524854	0.89683	ENSMUSG0	Eno1
ENSMUSG0	368.2148	-0.09843	0.154788	-0.63587	0.52486	0.89683	ENSMUSG0	Fam185a
ENSMUSG0	68.68422	-0.29992	0.471754	-0.63576	0.524934	0.89683	ENSMUSG0	Naip5
ENSMUSG0	10.56801	0.408301	0.642304	0.635681	0.524984	0.89683	ENSMUSG0	Stk33
ENSMUSG0	8.927653	-0.34393	0.541093	-0.63563	0.525018	0.89683	ENSMUSG0	Gm50149
ENSMUSG0	160.4257	0.294939	0.464013	0.635628	0.525019	0.89683	ENSMUSG0	Themis2
ENSMUSG0	1538.401	-0.18409	0.289656	-0.63555	0.525067	0.89683	ENSMUSG0	Jakmip1
ENSMUSG0	25351.23	-0.18283	0.287697	-0.63548	0.525112	0.89683	ENSMUSG0	Jun
ENSMUSG0	279.8549	-0.14042	0.220963	-0.63548	0.525114	0.89683	ENSMUSG0	Fam160a1
ENSMUSG0	6.738881	0.467649	0.736173	0.635244	0.52527	0.89683	ENSMUSG0	Lrr1
ENSMUSG0	107.9872	0.193962	0.30534	0.635232	0.525277	0.89683	ENSMUSG0	Samd4
ENSMUSG0	92.13025	0.293734	0.462481	0.635126	0.525346	0.89683	ENSMUSG0	Haa0
ENSMUSG0	5.483414	-0.4436	0.698509	-0.63507	0.525381	0.89683	ENSMUSG0	Gm43592
ENSMUSG0	177.0204	0.21239	0.33444	0.635061	0.525388	0.89683	ENSMUSG0	Rgs19
ENSMUSG0	2442.403	0.089867	0.141526	0.634985	0.525438	0.896835	ENSMUSG0	Snap47
ENSMUSG0	871.1866	-0.09641	0.151862	-0.63483	0.525536	0.896887	ENSMUSG0	Farsa
ENSMUSG0	9.354444	0.675857	1.0647	0.634786	0.525568	0.896887	ENSMUSG0	Art2a
ENSMUSG0	288.5339	-0.13488	0.21255	-0.63458	0.525703	0.896887	ENSMUSG0	Sertad3
ENSMUSG0	598.1354	-0.18187	0.28663	-0.63451	0.525748	0.896887	ENSMUSG0	Serpinb1a
ENSMUSG0	1300.04	-0.17298	0.272625	-0.63448	0.525766	0.896887	ENSMUSG0	Nfkbiz
ENSMUSG0	946.1685	-0.27563	0.43446	-0.63442	0.525808	0.896887	ENSMUSG0	Ndufc1
ENSMUSG0	460.8973	0.242089	0.381619	0.634375	0.525836	0.896887	ENSMUSG0	Wipf1
ENSMUSG0	1194.888	-0.18433	0.29058	-0.63437	0.525842	0.896887	ENSMUSG0	Ranbp1
ENSMUSG0	26.59831	0.207961	0.328001	0.634025	0.526064	0.89714	ENSMUSG0	Pld6
ENSMUSG0	115.9353	-0.22157	0.349514	-0.63393	0.526128	0.89714	ENSMUSG0	Ptp4a1
ENSMUSG0	277.4704	0.174336	0.275041	0.633857	0.526174	0.89714	ENSMUSG0	Sox18
ENSMUSG0	9525.774	0.164559	0.259617	0.633853	0.526177	0.89714	ENSMUSG0	Anxa5
ENSMUSG0	740.5175	0.122563	0.193401	0.633725	0.526261	0.897204	ENSMUSG0	Mettl7a1
ENSMUSG0	1356.976	-0.16485	0.260196	-0.63358	0.526356	0.897266	ENSMUSG0	Ndufa8
ENSMUSG0	1230.099	0.126197	0.199199	0.633525	0.526391	0.897266	ENSMUSG0	Fyttd1
ENSMUSG0	1076.582	0.136823	0.216064	0.633254	0.526568	0.897323	ENSMUSG0	Cdk13
ENSMUSG0	110.6152	0.63385	1.000948	0.63325	0.526571	0.897323	ENSMUSG0	Lgals2
ENSMUSG0	10.41047	-0.28758	0.454139	-0.63324	0.526574	0.897323	ENSMUSG0	Gm13456
ENSMUSG0	20.94807	0.324233	0.512065	0.633188	0.526611	0.897323	ENSMUSG0	2900041M:
ENSMUSG0	935.6218	0.121988	0.192684	0.633098	0.526669	0.897344	ENSMUSG0	Nipsnap1
ENSMUSG0	1736.46	0.097708	0.154351	0.633025	0.526717	0.897346	ENSMUSG0	Slc4a2
ENSMUSG0	14.05892	-0.34881	0.551516	-0.63246	0.527088	0.897702	ENSMUSG0	Clec5a
ENSMUSG0	167.9019	0.195802	0.3098	0.632027	0.527369	0.897702	ENSMUSG0	Lims2
ENSMUSG0	234.8839	-0.12992	0.20556	-0.63203	0.52737	0.897702	ENSMUSG0	Clybl
ENSMUSG0	184.111	0.134561	0.212933	0.631942	0.527425	0.897702	ENSMUSG0	2610044O1
ENSMUSG0	493.642	0.139175	0.220241	0.631922	0.527438	0.897702	ENSMUSG0	Lrig2
ENSMUSG0	83.27858	0.174557	0.276303	0.63176	0.527544	0.897702	ENSMUSG0	Lin7b
ENSMUSG0	9.689466	-0.36455	0.577045	-0.63175	0.527547	0.897702	ENSMUSG0	Gm37307
ENSMUSG0	3.665904	0.539552	0.85408	0.631735	0.52756	0.897702	ENSMUSG0	Notum

ENSMUSG0	320.72	-0.15406	0.243892	-0.63167	0.527602	0.897702	ENSMUSG0 Trim62
ENSMUSG0	5.130691	-0.49314	0.780734	-0.63164	0.527624	0.897702	ENSMUSG0 Peg12
ENSMUSG0	26.2514	0.592372	0.937883	0.631606	0.527645	0.897702	ENSMUSG0 Gm49378
ENSMUSG0	375.8465	-0.13656	0.216239	-0.63155	0.527683	0.897702	ENSMUSG0 Rhno1
ENSMUSG0	72.5989	0.201688	0.319365	0.631528	0.527695	0.897702	ENSMUSG0 Hykk
ENSMUSG0	817.4524	0.129772	0.20549	0.631526	0.527696	0.897702	ENSMUSG0 Xrn2
ENSMUSG0	182.5243	0.107071	0.169549	0.631507	0.527709	0.897702	ENSMUSG0 Ccdc51
ENSMUSG0	3.540161	-0.66046	1.045841	-0.63151	0.527709	0.897702	ENSMUSG09630002D2
ENSMUSG0	33.74823	-0.25717	0.407257	-0.63146	0.527741	0.897702	ENSMUSG0 Medag
ENSMUSG0	366.4036	-0.1188	0.188152	-0.63141	0.527772	0.897702	ENSMUSG0 Fadd
ENSMUSG0	782.895	0.123779	0.196055	0.631348	0.527813	0.897702	ENSMUSG0 S100pbp
ENSMUSG0	4.210532	-0.51315	0.813033	-0.63115	0.527943	0.89783	ENSMUSG0 Nkx2-2os
ENSMUSG0	56.42317	0.224971	0.356479	0.63109	0.527982	0.89783	ENSMUSG0 Tbx1
ENSMUSG0	3755.06	-0.13344	0.211532	-0.63084	0.528143	0.897972	ENSMUSG0 Dad1
ENSMUSG0	8.215629	-0.50457	0.799902	-0.63079	0.528177	0.897972	ENSMUSG0 Rpsa-ps2
ENSMUSG0	2450.714	-0.11341	0.179815	-0.63068	0.52825	0.897972	ENSMUSG0 Yme1l1
ENSMUSG0	6.57602	0.531287	0.84256	0.630563	0.528326	0.897972	ENSMUSG0 Gm37602
ENSMUSG0	662.7622	-0.13085	0.207514	-0.63056	0.528328	0.897972	ENSMUSG0 Ttc37
ENSMUSG0	2010.505	-0.11718	0.18585	-0.63051	0.52836	0.897972	ENSMUSG0 Armcx3
ENSMUSG0	592.4256	-0.1483	0.235262	-0.63035	0.528466	0.897972	ENSMUSG0 Il17re
ENSMUSG0	32.48296	0.429361	0.681254	0.630252	0.52853	0.897972	ENSMUSG0 Oas3
ENSMUSG0	4.318391	0.490739	0.778651	0.630242	0.528536	0.897972	ENSMUSG0 Gm8818
ENSMUSG0	18.08333	0.351912	0.558398	0.630218	0.528552	0.897972	ENSMUSG0 Rgs20
ENSMUSG0	239.8847	-0.15515	0.246248	-0.63006	0.528654	0.897972	ENSMUSG0 Lhfp15
ENSMUSG0	8.792174	-0.36552	0.580139	-0.63006	0.528654	0.897972	ENSMUSG0 Gm12409
ENSMUSG0	3.748948	0.695522	1.10398	0.630013	0.528686	0.897972	ENSMUSG0 Nlrp4f
ENSMUSG0	3.6901	0.5143	0.816762	0.629681	0.528903	0.897972	ENSMUSG0 Gm45338
ENSMUSG0	480.5571	-0.0977	0.155154	-0.62967	0.528913	0.897972	ENSMUSG0 Pcgf2
ENSMUSG0	3.703133	0.948619	1.506675	0.629611	0.528949	0.897972	ENSMUSG0 Lrrc66
ENSMUSG0	7.874192	-0.54397	0.863989	-0.6296	0.528953	0.897972	ENSMUSG0 Gm20878
ENSMUSG0	2611.231	-0.11084	0.17606	-0.62958	0.52897	0.897972	ENSMUSG0 Kih17
ENSMUSG0	3674.188	0.143733	0.228369	0.629392	0.529092	0.897972	ENSMUSG0 Npepps
ENSMUSG0	1893.804	-0.11194	0.177884	-0.62929	0.529157	0.897972	ENSMUSG0 Gad1
ENSMUSG0	6220.02	0.250135	0.397502	0.629267	0.529174	0.897972	ENSMUSG0 H2-Eb1
ENSMUSG0	20.48513	0.4527	0.719486	0.629199	0.529219	0.897972	ENSMUSG0 Gm47218
ENSMUSG0	5420.38	0.123484	0.196263	0.629179	0.529232	0.897972	ENSMUSG0 Sptan1
ENSMUSG0	364.1578	0.145758	0.23168	0.629136	0.52926	0.897972	ENSMUSG0 Prkrip1
ENSMUSG0	795.8005	-0.12202	0.193956	-0.62909	0.529287	0.897972	ENSMUSG0 Xrcc1
ENSMUSG0	347.8877	-0.17841	0.283638	-0.629	0.52935	0.897972	ENSMUSG0 Alkbh7
ENSMUSG0	95.24504	-0.37049	0.589085	-0.62892	0.529401	0.897972	ENSMUSG0 Gm23849
ENSMUSG0	3211.115	0.326153	0.518602	0.628907	0.52941	0.897972	ENSMUSG0 Coro1a
ENSMUSG0	2177.913	-0.14775	0.234935	-0.62888	0.529429	0.897972	ENSMUSG0 Kdm5c
ENSMUSG0	1409.753	-0.0847	0.134691	-0.62882	0.529466	0.897972	ENSMUSG0 Vps39
ENSMUSG0	717.7128	-0.11362	0.180807	-0.62842	0.529729	0.898159	ENSMUSG0 Mrps18a
ENSMUSG0	29.09148	-0.38874	0.618654	-0.62837	0.52976	0.898159	ENSMUSG0 Myo16
ENSMUSG0	55.82143	0.220664	0.351168	0.62837	0.529762	0.898159	ENSMUSG0 Cep72
ENSMUSG0	1482.288	-0.11763	0.187249	-0.6282	0.529874	0.898159	ENSMUSG0 Dcaf6
ENSMUSG0	4.278344	0.609182	0.969865	0.62811	0.529932	0.898159	ENSMUSG0 Rpl9-ps7
ENSMUSG0	3159.403	0.193325	0.307791	0.628105	0.529935	0.898159	ENSMUSG0 Anp32a
ENSMUSG0	107.0929	0.302072	0.480997	0.628011	0.529996	0.898159	ENSMUSG0 Cacna1i
ENSMUSG0	8.619378	-0.34479	0.54905	-0.62798	0.530019	0.898159	ENSMUSG0 Gm45797
ENSMUSG0	537.0645	0.159136	0.253422	0.627951	0.530036	0.898159	ENSMUSG0 Cdk14

ENSMUSG0	68.50851	0.246767	0.393071	0.627791	0.530141	0.898159	ENSMUSG0 Socs1
ENSMUSG0	364.9894	-0.11936	0.190144	-0.62776	0.530162	0.898159	ENSMUSG0D630045J1
ENSMUSG0	661.6939	-0.13257	0.211203	-0.62769	0.530208	0.898159	ENSMUSG0 Pdzd11
ENSMUSG0	56.03667	0.230435	0.36713	0.627667	0.530222	0.898159	ENSMUSG0 Gm48551
ENSMUSG0	26.10441	0.237264	0.378016	0.627656	0.53023	0.898159	ENSMUSG0 Gm9908
ENSMUSG0	1591.864	-0.07829	0.124776	-0.62747	0.530349	0.898245	ENSMUSG0 Ap3s2
ENSMUSG0	1415.427	-0.12661	0.201805	-0.62738	0.530407	0.898245	ENSMUSG0 Pom121
ENSMUSG0	102.3779	-0.32758	0.522224	-0.62727	0.53048	0.898245	ENSMUSG0 Cd248
ENSMUSG0	3.555399	0.520501	0.829847	0.627225	0.530512	0.898245	ENSMUSG0 Gm13436
ENSMUSG0	2430.43	-0.19529	0.311361	-0.6272	0.530525	0.898245	ENSMUSG0 Zfhx2
ENSMUSG0	466.5259	0.118338	0.188705	0.627108	0.530588	0.898245	ENSMUSG0 Mpst
ENSMUSG0	489.0474	0.076551	0.122083	0.627035	0.530636	0.898245	ENSMUSG0 Smim15
ENSMUSG0	5.82999	0.528072	0.842209	0.627008	0.530654	0.898245	ENSMUSG0 Thap8
ENSMUSG0	5804.158	-0.18096	0.288668	-0.62688	0.53074	0.898265	ENSMUSG0 Castor2
ENSMUSG0	4.673026	0.799651	1.275784	0.626792	0.530796	0.898265	ENSMUSG0 Cd200r4
ENSMUSG0	594.3801	-0.11052	0.17633	-0.62678	0.530806	0.898265	ENSMUSG0 Slc7a6os
ENSMUSG0	19.9257	-0.35776	0.57103	-0.62652	0.530975	0.898446	ENSMUSG0 Gm42659
ENSMUSG0	135.0469	0.131546	0.209985	0.626454	0.531017	0.898446	ENSMUSG0 Zfp53
ENSMUSG0	2020.006	-0.10231	0.163332	-0.6264	0.531053	0.898446	ENSMUSG0 Ahsa1
ENSMUSG0	226.6074	0.156209	0.249564	0.625927	0.531363	0.89867	ENSMUSG0 Epb41l4a
ENSMUSG0	1058.836	0.133972	0.214058	0.625867	0.531402	0.89867	ENSMUSG0 Lrrc1
ENSMUSG0	5.752305	-0.58596	0.936303	-0.62583	0.531429	0.89867	ENSMUSG0 Igkv13-85
ENSMUSG0	2.962403	0.741586	1.185187	0.625712	0.531504	0.89867	ENSMUSG0 Mm2pr
ENSMUSG0	620.375	-0.097	0.155028	-0.62571	0.531508	0.89867	ENSMUSG0 Ptpn2
ENSMUSG0	507.2647	0.313683	0.501372	0.625648	0.531546	0.89867	ENSMUSG0 Napsa
ENSMUSG0	1507.774	0.073674	0.117773	0.62556	0.531604	0.89867	ENSMUSG0 Sh3glb2
ENSMUSG0	93.19352	-0.16948	0.270923	-0.62556	0.531605	0.89867	ENSMUSG0 Gm34220
ENSMUSG0	1103.278	-0.1205	0.192706	-0.62529	0.531784	0.898794	ENSMUSG0 Ccndbp1
ENSMUSG0	107.8794	-0.22862	0.365632	-0.62526	0.531798	0.898794	ENSMUSG0 Gm1043
ENSMUSG0	311.3449	0.170503	0.272704	0.625232	0.531819	0.898794	ENSMUSG0 Bloc1s1
ENSMUSG0	17.43745	-0.48782	0.780363	-0.62512	0.531891	0.898837	ENSMUSG0 Pkd1l2
ENSMUSG0	96.31888	-0.14455	0.231321	-0.62487	0.532054	0.899032	ENSMUSG0 Ccdc17
ENSMUSG0	24.64157	-0.34496	0.552133	-0.62478	0.532116	0.899058	ENSMUSG0 P2rx3
ENSMUSG0	100.9315	0.369884	0.592185	0.624608	0.532228	0.899169	ENSMUSG0 Evi2a
ENSMUSG0	25.43861	0.208038	0.333178	0.624405	0.532361	0.899296	ENSMUSG0 Pdzn4
ENSMUSG0	37.60238	0.221582	0.354899	0.624352	0.532397	0.899296	ENSMUSG0 Pcdhb19
ENSMUSG0	3.576136	-0.72291	1.158066	-0.62424	0.532468	0.899338	ENSMUSG0 Rpl18-ps2
ENSMUSG0	31.11455	-0.43489	0.696955	-0.62398	0.532638	0.899421	ENSMUSG0 Ppm1j
ENSMUSG0	899.843	-0.12297	0.197077	-0.62395	0.532658	0.899421	ENSMUSG0 Twf2
ENSMUSG0	1100.801	-0.27537	0.441411	-0.62385	0.532725	0.899456	ENSMUSG0 Tmsb15b2
ENSMUSG0	70.19592	0.25156	0.403625	0.623251	0.53312	0.899663	ENSMUSG0 Lag3
ENSMUSG0	5.692965	-0.41334	0.66323	-0.62322	0.533142	0.899663	ENSMUSG0 Gm29257
ENSMUSG0	4.0127	0.596066	0.956455	0.623203	0.533151	0.899663	ENSMUSG0 Klri2
ENSMUSG0	35.85648	-0.33474	0.537183	-0.62314	0.53319	0.899663	ENSMUSG0C920021L1
ENSMUSG0	704.7159	0.151842	0.243684	0.62311	0.533212	0.899663	ENSMUSG0 Il17ra
ENSMUSG0	1171.825	-0.1099	0.17637	-0.6231	0.53322	0.899663	ENSMUSG0 Phrf1
ENSMUSG0	10.0248	0.298533	0.47913	0.623073	0.533236	0.899663	ENSMUSG0 Gm8098
ENSMUSG0	1839.087	-0.09462	0.151874	-0.62304	0.533255	0.899663	ENSMUSG0 Mapk14
ENSMUSG0	1103.676	-0.11169	0.17927	-0.62302	0.533269	0.899663	ENSMUSG0 Agl
ENSMUSG0	1545.658	-0.12432	0.199602	-0.62285	0.533381	0.899728	ENSMUSG0 Psmd11
ENSMUSG0	167.6218	0.159596	0.256245	0.622823	0.533401	0.899728	ENSMUSG0 Cdk2
ENSMUSG0	743.6295	-0.12336	0.198101	-0.62273	0.533461	0.899751	ENSMUSG0 Sharpin

ENSMUSG0	753.9252	-0.16999	0.273072	-0.62251	0.533606	0.899894	ENSMUSG0 Shisal2b
ENSMUSG0	361.1153	-0.11486	0.184521	-0.62246	0.53364	0.899894	ENSMUSG0 Rem2
ENSMUSG0	21.1173	-0.27859	0.44765	-0.62233	0.533725	0.899922	ENSMUSG0 Gm15408
ENSMUSG0	11.12254	0.340693	0.547536	0.62223	0.533791	0.899922	ENSMUSG0 Gm19391
ENSMUSG0	654.7953	0.190634	0.306377	0.622221	0.533797	0.899922	ENSMUSG0 Herc3
ENSMUSG0	40.7098	-0.24763	0.398065	-0.62209	0.533881	0.899939	ENSMUSG0 Gm15832
ENSMUSG0	414.6517	0.205874	0.330954	0.622063	0.5339	0.899939	ENSMUSG0 Manea
ENSMUSG0	2148.276	-0.12389	0.199194	-0.62196	0.533969	0.899975	ENSMUSG0 Pcdh1
ENSMUSG0	2041.957	-0.13018	0.209356	-0.62181	0.534067	0.900063	ENSMUSG0 Ppp6r3
ENSMUSG0	1120.275	-0.18505	0.297701	-0.62161	0.534198	0.900185	ENSMUSG0 Dync2h1
ENSMUSG0	3.503135	0.525461	0.845434	0.621528	0.534252	0.900185	ENSMUSG0 Gm45444
ENSMUSG0	524.3144	0.098814	0.158996	0.621485	0.53428	0.900185	ENSMUSG0 Mrps9
ENSMUSG0	600.9628	0.102713	0.165371	0.621107	0.534529	0.900343	ENSMUSG0 Map3k12
ENSMUSG0	671.1217	-0.12724	0.2049	-0.62101	0.534594	0.900343	ENSMUSG0 Ttc8
ENSMUSG0	321.2432	-0.1579	0.254269	-0.62098	0.534612	0.900343	ENSMUSG0 Ctdspl2
ENSMUSG0	2650.746	-0.12514	0.201517	-0.62097	0.534621	0.900343	ENSMUSG0 Ubn1
ENSMUSG0	155.5398	-0.15426	0.248434	-0.62095	0.534635	0.900343	ENSMUSG0 Nek5
ENSMUSG0	512.9288	0.153841	0.247789	0.620856	0.534694	0.900343	ENSMUSG0 Dusp6
ENSMUSG0	70.1311	0.182893	0.294604	0.620808	0.534726	0.900343	ENSMUSG0 Ccl4
ENSMUSG0	6.693786	-0.41863	0.674363	-0.62077	0.534748	0.900343	ENSMUSG0 Gm43403
ENSMUSG0	317.9144	0.285239	0.459676	0.620522	0.534914	0.900355	ENSMUSG0 Fxyd5
ENSMUSG0	310.3226	0.231146	0.372559	0.62043	0.534975	0.900355	ENSMUSG0 Sult1c2
ENSMUSG0	7.289953	-0.71425	1.151225	-0.62043	0.534977	0.900355	ENSMUSG0 Gm32816
ENSMUSG0	1488.712	0.140327	0.226218	0.620314	0.535051	0.900355	ENSMUSG0 Fam168b
ENSMUSG0	3290.235	-0.19629	0.316444	-0.62029	0.535069	0.900355	ENSMUSG0 Rps11
ENSMUSG0	153.8453	-0.1452	0.234135	-0.62015	0.535157	0.900355	ENSMUSG0 Nupl2
ENSMUSG0	7.842643	-0.36469	0.588109	-0.62011	0.535186	0.900355	ENSMUSG0 Gm7730
ENSMUSG0	16.71248	-0.30314	0.488876	-0.62007	0.53521	0.900355	ENSMUSG0 Cdk3
ENSMUSG0	14.55875	-0.29801	0.48061	-0.62007	0.535214	0.900355	ENSMUSG0 Gm37531
ENSMUSG0	25.20633	-0.40331	0.650443	-0.62005	0.535224	0.900355	ENSMUSG0 Gm47817
ENSMUSG0	463.2475	-0.14485	0.233647	-0.61993	0.535301	0.900407	ENSMUSG0 Mynn
ENSMUSG0	3418.661	-0.14037	0.226506	-0.61972	0.535445	0.900494	ENSMUSG0 Tssc4
ENSMUSG0	993.0472	-0.12088	0.195061	-0.61971	0.535446	0.900494	ENSMUSG0 Znhit2
ENSMUSG0	58.53743	0.204083	0.329366	0.619624	0.535506	0.900515	ENSMUSG0 Sorcs1
ENSMUSG0	2714.243	-0.13676	0.22075	-0.61952	0.535573	0.90055	ENSMUSG0 Fus
ENSMUSG0	90852.88	-0.11921	0.19246	-0.61941	0.535644	0.90059	ENSMUSG0 Cpe
ENSMUSG0	2592.218	0.151936	0.245351	0.61926	0.535745	0.90062	ENSMUSG0 Vps28
ENSMUSG0	244.4801	-0.14198	0.229289	-0.6192	0.535785	0.90062	ENSMUSG0 Nsun3
ENSMUSG0	653.7354	-0.11445	0.184837	-0.61917	0.535802	0.90062	ENSMUSG0 Tle2
ENSMUSG0	24.90524	0.382409	0.617731	0.619054	0.535881	0.900632	ENSMUSG0 Mbnl3
ENSMUSG0	24.95846	0.257899	0.416825	0.618723	0.536099	0.900632	ENSMUSG0 Slc38a11
ENSMUSG0	1466.913	-0.1108	0.179081	-0.61871	0.536108	0.900632	ENSMUSG0 Mindy2
ENSMUSG0	661.9221	0.150986	0.244073	0.618612	0.536172	0.900632	ENSMUSG0 Dkc1
ENSMUSG0	9632.22	-0.1319	0.213228	-0.61858	0.536192	0.900632	ENSMUSG0 Ywhaq
ENSMUSG0	1343.811	-0.11154	0.180326	-0.61855	0.536211	0.900632	ENSMUSG0 Mgat2
ENSMUSG0	691.9793	-0.09273	0.149966	-0.61837	0.536332	0.900632	ENSMUSG0 Mypop
ENSMUSG0	5.673767	0.415261	0.671569	0.618345	0.536348	0.900632	ENSMUSG0 Kcnj14
ENSMUSG0	706.6873	-0.08436	0.136436	-0.6183	0.536378	0.900632	ENSMUSG0 Spast
ENSMUSG0	1694.374	-0.09353	0.151271	-0.61829	0.536386	0.900632	ENSMUSG0 Galnt10
ENSMUSG0	28.61663	-0.19787	0.320026	-0.61829	0.536387	0.900632	ENSMUSG0 B930059L0
ENSMUSG0	20.74351	-0.23556	0.381011	-0.61824	0.536418	0.900632	ENSMUSG0 1810017P1
ENSMUSG0	335.2994	0.134444	0.217591	0.617872	0.53666	0.900927	ENSMUSG0 Ttc21b

ENSMUSG0	2124.372	0.109801	0.177721	0.61783	0.536687	0.900927	ENSMUSG0 Hnrnpr
ENSMUSG0	3.491942	-0.87472	1.416133	-0.61768	0.536785	0.900998	ENSMUSG0 Gm37465
ENSMUSG0	206.8686	-0.12191	0.197392	-0.61762	0.536823	0.900998	ENSMUSG0 Zfp930
ENSMUSG0	2531.333	-0.1837	0.297538	-0.61741	0.536962	0.901152	ENSMUSG0 Ndufs3
ENSMUSG0	222.5579	0.21345	0.345787	0.617286	0.537046	0.901215	ENSMUSG0 Abi3
ENSMUSG0	5223.649	-0.23629	0.38288	-0.61714	0.53714	0.90128	ENSMUSG0 Rpl39
ENSMUSG0	69.27097	0.619842	1.004597	0.617005	0.537231	0.90128	ENSMUSG0 Nkg7
ENSMUSG0	1801.453	-0.1052	0.170521	-0.61693	0.53728	0.90128	ENSMUSG0 Erlin2
ENSMUSG0	1094.433	-0.13211	0.214145	-0.61692	0.53729	0.90128	ENSMUSG0 Man1c1
ENSMUSG0	1289.238	-0.15187	0.246243	-0.61676	0.537391	0.90128	ENSMUSG0 Sra1
ENSMUSG0	504.6583	0.121597	0.197161	0.616743	0.537405	0.90128	ENSMUSG0 Tjp3
ENSMUSG0	2844.825	0.126272	0.204759	0.616685	0.537442	0.90128	ENSMUSG0 Itpr3
ENSMUSG0	78338.2	-0.13797	0.223743	-0.61666	0.53746	0.90128	ENSMUSG0 Pyy
ENSMUSG0	1018.325	-0.17572	0.285044	-0.61647	0.537587	0.901389	ENSMUSG0 Smim20
ENSMUSG0	30.66297	0.316042	0.512707	0.616418	0.537619	0.901389	ENSMUSG0 Kynu
ENSMUSG0	321.7429	0.189058	0.306844	0.616139	0.537803	0.901619	ENSMUSG0 Arl13b
ENSMUSG0	3.231826	0.574411	0.932545	0.615961	0.537921	0.901738	ENSMUSG0 Gal3st4
ENSMUSG0	261.5514	-0.16749	0.272	-0.61578	0.538041	0.901786	ENSMUSG0 Slc38a9
ENSMUSG0	8.571095	-0.46617	0.757068	-0.61576	0.538051	0.901786	ENSMUSG0 Gm34455
ENSMUSG0	853.594	0.087452	0.142085	0.615486	0.538234	0.901786	ENSMUSG0 Phka1
ENSMUSG0	426.7599	0.204747	0.332677	0.615453	0.538256	0.901786	ENSMUSG0 Maff
ENSMUSG0	3.796095	-0.72375	1.176088	-0.61539	0.538296	0.901786	ENSMUSG0 Gm37559
ENSMUSG0	4859.795	-0.10852	0.176409	-0.61515	0.538453	0.901786	ENSMUSG0 Ppp1ca
ENSMUSG0	1016.68	-0.08298	0.134902	-0.6151	0.538487	0.901786	ENSMUSG0 Usp30
ENSMUSG0	1260.315	-0.12484	0.203054	-0.61483	0.538669	0.901786	ENSMUSG0 Map3k7
ENSMUSG0	45.22891	0.182507	0.296859	0.614793	0.538691	0.901786	ENSMUSG0 Tnfsf9
ENSMUSG0	2242.527	-0.15366	0.249955	-0.61475	0.538719	0.901786	ENSMUSG0 Ubap2l
ENSMUSG0	2252.682	-0.14909	0.242552	-0.61465	0.538783	0.901786	ENSMUSG0 Fam174a
ENSMUSG0	37.36106	0.198712	0.323348	0.614546	0.538855	0.901786	ENSMUSG0 Gm20033
ENSMUSG0	117.2354	-0.60515	0.98473	-0.61453	0.538865	0.901786	ENSMUSG0 H3c14
ENSMUSG0	18.82564	0.392943	0.639423	0.614528	0.538867	0.901786	ENSMUSG0 Tcf21
ENSMUSG0	3.943022	0.676354	1.100761	0.614442	0.538923	0.901786	ENSMUSG0 Phlda2
ENSMUSG0	6.251195	-0.46714	0.760429	-0.61431	0.53901	0.901786	ENSMUSG0 Gm11963
ENSMUSG0	644.637	0.245383	0.399461	0.614285	0.539027	0.901786	ENSMUSG0 Pttg1
ENSMUSG0	2899.271	-0.13002	0.211662	-0.61428	0.539031	0.901786	ENSMUSG0 Spop
ENSMUSG0	186.2625	-0.15512	0.252526	-0.61426	0.539046	0.901786	ENSMUSG0 Gm45805
ENSMUSG0	980.3171	-0.18112	0.294871	-0.61422	0.539071	0.901786	ENSMUSG0 Eif2b4
ENSMUSG0	123.8279	0.21755	0.354207	0.614188	0.539091	0.901786	ENSMUSG0 Kifc1
ENSMUSG0	12.46412	-0.39501	0.643155	-0.61418	0.539099	0.901786	ENSMUSG0 Sost
ENSMUSG0	373.5593	0.115177	0.187539	0.614148	0.539117	0.901786	ENSMUSG0 Cdan1
ENSMUSG0	32.32965	0.23849	0.388346	0.614118	0.539138	0.901786	ENSMUSG0 Hdx
ENSMUSG0	435.5676	0.131431	0.214044	0.614036	0.539192	0.901786	ENSMUSG0 Hpf1
ENSMUSG0	720.1494	-0.2135	0.347862	-0.61376	0.539376	0.901786	ENSMUSG0 Hivep1
ENSMUSG0	503.9574	-0.19752	0.321827	-0.61374	0.539389	0.901786	ENSMUSG0 Septin2
ENSMUSG0	1070.55	-0.12014	0.195768	-0.6137	0.539413	0.901786	ENSMUSG0 Vma21
ENSMUSG0	157.6983	-0.19973	0.325459	-0.61369	0.539421	0.901786	ENSMUSG0 503143401
ENSMUSG0	280.1395	-0.24525	0.399646	-0.61366	0.539438	0.901786	ENSMUSG0 Cox6a2
ENSMUSG0	14225.34	-0.15365	0.2504	-0.61361	0.539473	0.901786	ENSMUSG0 H2-K1
ENSMUSG0	6002.532	-0.18742	0.305444	-0.6136	0.539483	0.901786	ENSMUSG0 Rnf130
ENSMUSG0	1167.52	0.192431	0.313671	0.613481	0.539558	0.901786	ENSMUSG0 Klf4
ENSMUSG0	2547.1	-0.14613	0.238225	-0.61342	0.539596	0.901786	ENSMUSG0 Cdk11b
ENSMUSG0	378.538	0.131334	0.214131	0.613336	0.539654	0.901786	ENSMUSG0 Bcl2l11

ENSMUSG0	49.19482	0.191839	0.312783	0.613329	0.539659	0.901786	ENSMUSG0 Pter
ENSMUSG0	1715.605	-0.16131	0.263023	-0.61328	0.539692	0.901786	ENSMUSG0 Drg1
ENSMUSG0	967.1245	-0.12587	0.205269	-0.61322	0.539731	0.901786	ENSMUSG0 Rbm4b
ENSMUSG0	1885.468	-0.05947	0.097014	-0.61304	0.539852	0.901793	ENSMUSG0 Ppp6c
ENSMUSG0	6206.639	-0.20812	0.339541	-0.61294	0.539917	0.901793	ENSMUSG0 Rpl38
ENSMUSG0	1000.802	0.18184	0.296677	0.612923	0.539927	0.901793	ENSMUSG0 Ccdc25
ENSMUSG0	8.771515	0.326632	0.533047	0.612764	0.540033	0.901793	ENSMUSG0A930007119
ENSMUSG0	13.04973	0.366123	0.597516	0.612742	0.540047	0.901793	ENSMUSG0 Zmynd10
ENSMUSG0	283.4001	-0.17426	0.284411	-0.61272	0.540063	0.901793	ENSMUSG0 Smc2
ENSMUSG0	4.288544	-0.87905	1.43499	-0.61258	0.540154	0.901794	ENSMUSG0 Gm43490
ENSMUSG0	353.4561	0.151342	0.247059	0.612575	0.540157	0.901794	ENSMUSG0 Mir22hg
ENSMUSG0	530.3088	-0.22881	0.373584	-0.61247	0.540229	0.901835	ENSMUSG0 Mrps18c
ENSMUSG0	4348.167	-0.09626	0.157263	-0.61209	0.540479	0.902164	ENSMUSG0 Ddx50
ENSMUSG0	8.048706	0.484717	0.791987	0.612027	0.54052	0.902164	ENSMUSG0 Gm39556
ENSMUSG0	763.1141	0.136252	0.222659	0.611935	0.540581	0.902188	ENSMUSG0 Rhoc
ENSMUSG0	1695.209	-0.08678	0.141843	-0.61181	0.540664	0.902248	ENSMUSG0 Tomm70a
ENSMUSG0	152.5329	0.266042	0.434907	0.611722	0.540722	0.902266	ENSMUSG0 Pdlm2
ENSMUSG0	2208.469	0.116582	0.190665	0.61145	0.540902	0.90231	ENSMUSG0 Bzw1
ENSMUSG0	663.4926	-0.192	0.314121	-0.61122	0.541055	0.90231	ENSMUSG0 Acvr2a
ENSMUSG0	1919.054	-0.11871	0.194234	-0.61116	0.541095	0.90231	ENSMUSG0 Rybp
ENSMUSG0	381.6423	0.143439	0.234757	0.61101	0.541193	0.90231	ENSMUSG0 Tfeb
ENSMUSG0	3.136665	-0.51616	0.844943	-0.61088	0.541278	0.90231	ENSMUSG0 Gm44067
ENSMUSG0	709.934	0.101825	0.166695	0.610845	0.541302	0.90231	ENSMUSG0 Rgs9
ENSMUSG0	11.65656	-0.56217	0.920399	-0.61079	0.541341	0.90231	ENSMUSG0 Igkv3-12
ENSMUSG0	16476.83	-0.111	0.181736	-0.61075	0.541365	0.90231	ENSMUSG0 Atp5a1
ENSMUSG0	4.692411	-0.54532	0.892902	-0.61073	0.541377	0.90231	ENSMUSG0 Gm34590
ENSMUSG0	527.3417	-0.13724	0.224719	-0.61071	0.541391	0.90231	ENSMUSG0 Dcun1d3
ENSMUSG0	361.3122	-0.14129	0.231399	-0.61059	0.541468	0.90231	ENSMUSG0 Akap10
ENSMUSG0	20.85539	0.303507	0.497075	0.610586	0.541474	0.90231	ENSMUSG0 Parbp
ENSMUSG0	249.3863	-0.13602	0.222775	-0.61057	0.541486	0.90231	ENSMUSG0 Chchd5
ENSMUSG0	1787.462	0.099461	0.162908	0.610536	0.541507	0.90231	ENSMUSG0 Shroom3
ENSMUSG0	931.0225	-0.16198	0.265322	-0.6105	0.541528	0.90231	ENSMUSG0 Atp8a1
ENSMUSG0	37.20955	-0.37589	0.615854	-0.61035	0.541628	0.90231	ENSMUSG0 Slc28a2b
ENSMUSG0	811.8922	0.156988	0.257253	0.610249	0.541697	0.90231	ENSMUSG0 Nrp1
ENSMUSG0	275.162	-0.14509	0.23776	-0.61022	0.541718	0.90231	ENSMUSG01110012L1
ENSMUSG0	994.1926	-0.10411	0.170608	-0.61021	0.541725	0.90231	ENSMUSG0 Fhl1
ENSMUSG0	284.2607	0.151922	0.248999	0.610129	0.541776	0.90231	ENSMUSG0B230354K1
ENSMUSG0	115.0147	0.366927	0.601396	0.610124	0.541779	0.90231	ENSMUSG0 Stap1
ENSMUSG0	427.2427	0.278574	0.456586	0.610124	0.54178	0.90231	ENSMUSG0 S1pr1
ENSMUSG0	2121.872	0.205107	0.336411	0.609692	0.542066	0.902529	ENSMUSG0 Dhx9
ENSMUSG0	641.9764	-0.10879	0.17847	-0.60959	0.542131	0.902529	ENSMUSG0 Mrps30
ENSMUSG0	409.6349	0.10591	0.173744	0.609576	0.542143	0.902529	ENSMUSG0 Mrps27
ENSMUSG0	907.5385	-0.09541	0.156527	-0.60957	0.542146	0.902529	ENSMUSG0 Gnl2
ENSMUSG0	296.3633	0.256438	0.420776	0.60944	0.542233	0.902595	ENSMUSG0 Efcab2
ENSMUSG0	92.88292	0.167864	0.275515	0.609274	0.542343	0.9027	ENSMUSG0 Pigl
ENSMUSG0	176.0627	-0.20642	0.33886	-0.60917	0.542409	0.902732	ENSMUSG0 Nat8f4
ENSMUSG0	83.77197	-0.19054	0.312889	-0.60898	0.542536	0.902866	ENSMUSG0 Tmppe
ENSMUSG0	26.60392	0.278506	0.457464	0.608804	0.542654	0.902968	ENSMUSG0B230303O1
ENSMUSG0	425.5675	0.202915	0.333387	0.608646	0.542759	0.902968	ENSMUSG0 Capsl
ENSMUSG0	12.51108	-0.52494	0.862481	-0.60864	0.542761	0.902968	ENSMUSG0 Gm35696
ENSMUSG0	1852	-0.13057	0.21459	-0.60844	0.542894	0.902968	ENSMUSG0 Dmxl2
ENSMUSG0	727.3033	0.167253	0.274929	0.608348	0.542957	0.902968	ENSMUSG0 Vps37b

ENSMUSG0	109.2183	-0.25645	0.421581	-0.60831	0.542979	0.902968	ENSMUSG0D330023K1
ENSMUSG0	46.19216	-1.12816	1.854639	-0.60829	0.542993	0.902968	ENSMUSG0 Ighg2c
ENSMUSG0	640.8155	-0.15566	0.255916	-0.60826	0.543014	0.902968	ENSMUSG0 Spsb2
ENSMUSG0	5.505813	-0.41772	0.686755	-0.60825	0.54302	0.902968	ENSMUSG0 Gm12286
ENSMUSG0	1320.295	-0.17973	0.295567	-0.60808	0.543133	0.903078	ENSMUSG0 Extl3
ENSMUSG0	12.20191	0.316428	0.520578	0.60784	0.543294	0.903238	ENSMUSG0 Gm12059
ENSMUSG0	17.40755	-0.32879	0.540953	-0.6078	0.543323	0.903238	ENSMUSG0 Gm47438
ENSMUSG0	103.2579	-0.22481	0.369932	-0.6077	0.543389	0.903238	ENSMUSG0 Nepro
ENSMUSG0	170.1804	0.164826	0.271302	0.607537	0.543494	0.903238	ENSMUSG0 Plscr4
ENSMUSG0	1619.9	0.105871	0.174263	0.607535	0.543496	0.903238	ENSMUSG0 Bub3
ENSMUSG0	107.3171	0.218054	0.358929	0.607512	0.543511	0.903238	ENSMUSG0 Tmem158
ENSMUSG0	25.64904	0.379581	0.625002	0.607328	0.543633	0.903331	ENSMUSG0 Wfdc15b
ENSMUSG0	933.7844	0.14552	0.239623	0.607286	0.543661	0.903331	ENSMUSG0 Rprd2
ENSMUSG0	292.8153	0.265296	0.436957	0.607144	0.543756	0.903343	ENSMUSG0 Tgfb1
ENSMUSG0	6.519043	0.406441	0.669442	0.607134	0.543762	0.903343	ENSMUSG0 AA386476
ENSMUSG0	756.2793	-0.09407	0.155008	-0.60687	0.54394	0.903505	ENSMUSG0 Arpin
ENSMUSG0	1342.228	-0.08856	0.145949	-0.60681	0.543979	0.903505	ENSMUSG0 Nup88
ENSMUSG0	779.2042	-0.12153	0.200348	-0.60659	0.544122	0.903505	ENSMUSG0 Dennd4a
ENSMUSG0	20.55987	0.410694	0.677082	0.606565	0.54414	0.903505	ENSMUSG0 Rasgef1c
ENSMUSG0	540.8353	0.140199	0.231148	0.606533	0.544161	0.903505	ENSMUSG0 Foxo4
ENSMUSG0	56.23963	0.394812	0.650953	0.606514	0.544173	0.903505	ENSMUSG0 Serpina3n
ENSMUSG0	46.52804	0.160358	0.264402	0.606491	0.544189	0.903505	ENSMUSG0 Gm16701
ENSMUSG0	438.3032	0.147522	0.243292	0.606357	0.544278	0.903575	ENSMUSG0 Plxna3
ENSMUSG0	10.37306	0.457242	0.754522	0.606002	0.544513	0.903698	ENSMUSG0 Cd80
ENSMUSG0	81.51639	-0.20453	0.337527	-0.60597	0.544533	0.903698	ENSMUSG0 Kcnn2
ENSMUSG0	2726.396	-0.13833	0.228287	-0.60596	0.544538	0.903698	ENSMUSG0 Trir
ENSMUSG0	57.41919	-0.23082	0.380942	-0.60592	0.544565	0.903698	ENSMUSG0 Gm14097
ENSMUSG0	1434.554	-0.09728	0.160563	-0.60589	0.544586	0.903698	ENSMUSG0 P4ha1
ENSMUSG0	657.6242	-0.13153	0.217132	-0.60577	0.544667	0.903701	ENSMUSG0 Tmem192
ENSMUSG0	3947.273	0.066706	0.110139	0.605654	0.544744	0.903701	ENSMUSG0 Trpc4ap
ENSMUSG0	2179.975	-0.18373	0.303384	-0.60561	0.544775	0.903701	ENSMUSG0 Med28
ENSMUSG0	604.5073	-0.12918	0.213325	-0.60554	0.544822	0.903701	ENSMUSG0 Gpatch2
ENSMUSG0	374.8596	0.326823	0.539753	0.605505	0.544843	0.903701	ENSMUSG0 Cr2
ENSMUSG0	530.5948	-0.1653	0.27301	-0.60546	0.544871	0.903701	ENSMUSG0 Ormdl1
ENSMUSG0	1788.638	-0.07644	0.12631	-0.60518	0.545063	0.903899	ENSMUSG0 Ptp4a3
ENSMUSG0	612.9243	0.144814	0.239354	0.60502	0.545166	0.903899	ENSMUSG0 Pip4k2b
ENSMUSG0	1215.92	0.708743	1.171504	0.604985	0.545189	0.903899	ENSMUSG0 Zc3h11a
ENSMUSG0	2127.999	0.087968	0.145407	0.604975	0.545195	0.903899	ENSMUSG0 Tsnax
ENSMUSG0	1637.804	-0.16277	0.269078	-0.60492	0.545235	0.903899	ENSMUSG0 H2-Ke6
ENSMUSG0	3.884704	0.507914	0.839721	0.604861	0.545272	0.903899	ENSMUSG0 Gm26912
ENSMUSG0	30.90922	-0.22005	0.363899	-0.6047	0.545376	0.903979	ENSMUSG0 Gm38021
ENSMUSG0	508.138	0.119653	0.197889	0.604647	0.545414	0.903979	ENSMUSG05730409E0
ENSMUSG0	552.4769	-0.15189	0.251368	-0.60427	0.545663	0.904096	ENSMUSG0 Ddt
ENSMUSG0	439.3002	-0.12532	0.207409	-0.60421	0.545705	0.904096	ENSMUSG0 Commd5
ENSMUSG0	37.14462	0.278742	0.461347	0.604192	0.545716	0.904096	ENSMUSG0 Enkur
ENSMUSG0	4.608326	-0.73785	1.221347	-0.60413	0.545758	0.904096	ENSMUSG0 Gm29724
ENSMUSG0	1508.911	0.160642	0.26596	0.604011	0.545836	0.904096	ENSMUSG0 Fbxo2
ENSMUSG0	413.0566	-0.09423	0.156032	-0.60394	0.545884	0.904096	ENSMUSG0 Rpap2
ENSMUSG0	108.0439	-0.29054	0.481086	-0.60393	0.545887	0.904096	ENSMUSG0 Bco2
ENSMUSG0	3.387615	-0.63272	1.047766	-0.60388	0.545924	0.904096	ENSMUSG0 Dhx58os
ENSMUSG0	17.86095	0.390338	0.646415	0.60385	0.545944	0.904096	ENSMUSG0 Ccdc142
ENSMUSG0	11763.77	0.108918	0.180388	0.603802	0.545976	0.904096	ENSMUSG02900097C1

ENSMUSG0	3379.093	-0.07723	0.127918	-0.60376	0.546001	0.904096	ENSMUSG0 Wbp2
ENSMUSG0	7.713679	0.503055	0.833734	0.603376	0.546259	0.904278	ENSMUSG0 Adamts13
ENSMUSG0	1061.069	-0.16929	0.280596	-0.60333	0.546291	0.904278	ENSMUSG0 Mrpl48
ENSMUSG0	438.4555	0.207605	0.344104	0.60332	0.546296	0.904278	ENSMUSG0 Ccdc28b
ENSMUSG0	130.9068	0.109432	0.181393	0.603287	0.546318	0.904278	ENSMUSG0 Aplf
ENSMUSG0	2936.944	-0.17019	0.282159	-0.60318	0.546389	0.904278	ENSMUSG0 Vamp8
ENSMUSG0	7.827778	-0.42884	0.711032	-0.60312	0.546429	0.904278	ENSMUSG0 Gm43316
ENSMUSG0	3761.645	-0.071	0.117748	-0.60299	0.546513	0.904278	ENSMUSG0 Rab1b
ENSMUSG0	692.5219	0.13363	0.221632	0.602935	0.546552	0.904278	ENSMUSG0 Ric3
ENSMUSG0	3.513672	-0.63702	1.056648	-0.60287	0.546594	0.904278	ENSMUSG0 Gm5936
ENSMUSG0	312.41	0.116801	0.193747	0.602852	0.546607	0.904278	ENSMUSG0 Pdp1
ENSMUSG0	28.71994	-0.22999	0.381521	-0.60282	0.546628	0.904278	ENSMUSG0 Gm48086
ENSMUSG0	159.3931	0.139732	0.231932	0.602469	0.546862	0.904579	ENSMUSG0 Fam71e1
ENSMUSG0	1032.991	0.107198	0.177981	0.6023	0.546975	0.904579	ENSMUSG0 Tapt1
ENSMUSG0	33.77687	0.233384	0.3875	0.602282	0.546986	0.904579	ENSMUSG0 Car7
ENSMUSG0	3287.03	-0.12697	0.210852	-0.60215	0.547073	0.904579	ENSMUSG0 Pccb
ENSMUSG0	187.9976	0.200656	0.333237	0.602141	0.54708	0.904579	ENSMUSG0 Dpyd
ENSMUSG0	1000.12	-0.09527	0.158233	-0.60208	0.547119	0.904579	ENSMUSG0 Rab28
ENSMUSG0	13.06357	-0.32806	0.544956	-0.602	0.547176	0.904579	ENSMUSG0 Gm49658
ENSMUSG0	9.549225	0.369339	0.613546	0.601974	0.547192	0.904579	ENSMUSG0 Gm43054
ENSMUSG0	3101.983	-0.07105	0.118033	-0.60191	0.547233	0.904579	ENSMUSG0 Lrp10
ENSMUSG0	778.9007	0.131789	0.219082	0.601551	0.547473	0.904897	ENSMUSG0 Dock6
ENSMUSG0	1503.805	0.105313	0.175178	0.601178	0.547722	0.90523	ENSMUSG0 6430548M
ENSMUSG0	469.4435	-0.17138	0.285185	-0.60095	0.547871	0.905348	ENSMUSG0 Mcee
ENSMUSG0	1846.569	0.07512	0.125007	0.60093	0.547887	0.905348	ENSMUSG0 Mapkapk2
ENSMUSG0	3309.726	-0.19255	0.320482	-0.60082	0.547962	0.905393	ENSMUSG0 Psmb1
ENSMUSG0	8.671637	0.331751	0.552352	0.600615	0.548097	0.905489	ENSMUSG0 Gm49356
ENSMUSG0	1009.996	0.083249	0.138613	0.600589	0.548114	0.905489	ENSMUSG0 Tk2
ENSMUSG0	4.405541	0.708023	1.179437	0.600306	0.548303	0.905697	ENSMUSG0 Gm48804
ENSMUSG0	27.74929	1.096925	1.827487	0.600237	0.548348	0.905697	ENSMUSG0 S100a9
ENSMUSG0	856.5366	-0.1051	0.175116	-0.60019	0.548381	0.905697	ENSMUSG0 Mlx
ENSMUSG0	54.26102	-0.27163	0.452713	-0.6	0.548503	0.90571	ENSMUSG0 Snhg10
ENSMUSG0	17.62179	-0.28733	0.478875	-0.6	0.548505	0.90571	ENSMUSG0 Hcn1
ENSMUSG0	382.6	0.109596	0.182671	0.599964	0.54853	0.90571	ENSMUSG0 Ttc22
ENSMUSG0	53.77223	0.399041	0.665351	0.599745	0.548676	0.905748	ENSMUSG0 Clec3b
ENSMUSG0	479.6947	-0.12124	0.202185	-0.59966	0.548734	0.905748	ENSMUSG0 Pknox1
ENSMUSG0	22.17376	0.276743	0.461516	0.599638	0.548747	0.905748	ENSMUSG0 Dusp15
ENSMUSG0	313.2672	-0.12287	0.204919	-0.59961	0.548765	0.905748	ENSMUSG0 Znr2
ENSMUSG0	6181.883	-0.15166	0.253073	-0.59928	0.548984	0.905748	ENSMUSG0 Naca
ENSMUSG0	1428.513	0.143016	0.238646	0.599281	0.548985	0.905748	ENSMUSG0 Kdm4a
ENSMUSG0	4045.856	-0.06975	0.116391	-0.59925	0.549005	0.905748	ENSMUSG0 Rab14
ENSMUSG0	341.867	-0.3038	0.506968	-0.59925	0.549007	0.905748	ENSMUSG0 Gsdmd
ENSMUSG0	619.2888	-0.09367	0.156335	-0.59915	0.549073	0.905748	ENSMUSG0 Rad17
ENSMUSG0	348.1126	-0.11418	0.190593	-0.5991	0.549108	0.905748	ENSMUSG0 Cep83os
ENSMUSG0	96.90464	0.174035	0.290501	0.599087	0.549115	0.905748	ENSMUSG0 4930579G2
ENSMUSG0	3.281637	0.581948	0.971498	0.599021	0.549159	0.905748	ENSMUSG0 Gm15772
ENSMUSG0	256.7679	-0.13363	0.2231	-0.59899	0.549179	0.905748	ENSMUSG0 Alg6
ENSMUSG0	134.7519	0.350454	0.585239	0.598822	0.549292	0.905748	ENSMUSG0 Aif1
ENSMUSG0	1852.582	0.156077	0.260678	0.598734	0.54935	0.905748	ENSMUSG0 Hexb
ENSMUSG0	19.03711	-0.41887	0.69961	-0.59872	0.549356	0.905748	ENSMUSG0 Gm5844
ENSMUSG0	13.15891	0.335185	0.559882	0.598671	0.549393	0.905748	ENSMUSG0 Drd2
ENSMUSG0	1212.771	0.110229	0.184127	0.598659	0.5494	0.905748	ENSMUSG0 Nol6

ENSMUSG0	884.9348	0.120245	0.20093	0.598442	0.549545	0.905909	ENSMUSG0 Dhrrs1
ENSMUSG0	32.32949	-0.17895	0.299096	-0.5983	0.549643	0.905923	ENSMUSG0C9230116N1
ENSMUSG0	343.3482	0.188175	0.314524	0.598285	0.54965	0.905923	ENSMUSG0 Cacna1b
ENSMUSG0	242.5735	-0.17824	0.297945	-0.59822	0.549695	0.905923	ENSMUSG0 Aamdc
ENSMUSG0	91.26431	-0.28383	0.47453	-0.59813	0.54975	0.905936	ENSMUSG0C9930017N2
ENSMUSG0	252.7396	0.150382	0.251498	0.597945	0.549876	0.906005	ENSMUSG0 Wdr31
ENSMUSG0	8689.324	-0.10761	0.179978	-0.59793	0.549886	0.906005	ENSMUSG0 Rps10
ENSMUSG0	405.2571	-0.12159	0.203377	-0.59783	0.549953	0.906037	ENSMUSG0 Zfp113
ENSMUSG0	110.8541	0.246412	0.412294	0.597662	0.550066	0.906065	ENSMUSG0 Osmr
ENSMUSG0	15.53613	-0.37821	0.632876	-0.59761	0.550101	0.906065	ENSMUSG0 Gm42992
ENSMUSG0	1637.901	-0.12089	0.202302	-0.59759	0.550111	0.906065	ENSMUSG0 Rab22a
ENSMUSG0	9.606157	-0.51116	0.855582	-0.59744	0.550211	0.906152	ENSMUSG0 Afp
ENSMUSG0	101.3022	-0.17524	0.29343	-0.59722	0.55036	0.906162	ENSMUSG0 Crybb3
ENSMUSG0	1629.988	0.102792	0.17213	0.597177	0.550389	0.906162	ENSMUSG0 Hdac3
ENSMUSG0	89.28546	-0.13662	0.228786	-0.59715	0.550405	0.906162	ENSMUSG0 Tesk2
ENSMUSG0	2290.487	-0.09688	0.162242	-0.59712	0.55043	0.906162	ENSMUSG0 Pfkf
ENSMUSG0	1630.915	-0.1546	0.258978	-0.59697	0.550525	0.906162	ENSMUSG0 Bax
ENSMUSG0	184.051	0.343738	0.575804	0.596971	0.550527	0.906162	ENSMUSG0 Ly9
ENSMUSG0	1033.364	-0.07492	0.125501	-0.59694	0.550547	0.906162	ENSMUSG0C4833420G1
ENSMUSG0	316.9033	0.466147	0.781115	0.596772	0.55066	0.90627	ENSMUSG0 Selpfg
ENSMUSG0	67.76364	0.170184	0.285371	0.596359	0.550935	0.906647	ENSMUSG0 Ifit3b
ENSMUSG0	5.101823	-0.69167	1.160324	-0.5961	0.551109	0.906807	ENSMUSG0 Gm44862
ENSMUSG0	149.0838	0.232436	0.389954	0.596061	0.551134	0.906807	ENSMUSG0 Ncapg2
ENSMUSG0	67.50658	0.224618	0.376882	0.595991	0.551181	0.906807	ENSMUSG0 Igflr1
ENSMUSG0	2029.368	-0.16858	0.282907	-0.59589	0.551251	0.906807	ENSMUSG0 Kmt2c
ENSMUSG0	301.0167	-0.08945	0.150112	-0.59586	0.551268	0.906807	ENSMUSG0 Taf7
ENSMUSG0	360.1069	0.125197	0.210186	0.595645	0.551412	0.906915	ENSMUSG0 Gla
ENSMUSG0	5886.491	-0.08666	0.145518	-0.59554	0.55148	0.906915	ENSMUSG0 Glg1
ENSMUSG0	74.98667	0.213424	0.358412	0.595472	0.551528	0.906915	ENSMUSG0 Galnt16
ENSMUSG0	67.80043	-0.13946	0.234212	-0.59545	0.551545	0.906915	ENSMUSG0 Hyal3
ENSMUSG0	5.965206	-0.45248	0.759993	-0.59537	0.551597	0.906915	ENSMUSG0A130048G2
ENSMUSG0	2860.535	-0.09095	0.152771	-0.59534	0.551617	0.906915	ENSMUSG0 Mthfd1
ENSMUSG0	226.9627	-0.12314	0.206949	-0.59504	0.551819	0.907169	ENSMUSG0 Efhc1
ENSMUSG0	1398.19	0.182567	0.307031	0.594619	0.552098	0.907473	ENSMUSG0 Leng8
ENSMUSG0	903.1511	-0.12502	0.21037	-0.5943	0.552313	0.90765	ENSMUSG0 Eya3
ENSMUSG0	1030.723	-0.17891	0.301053	-0.59429	0.552318	0.90765	ENSMUSG0 Ebp
ENSMUSG0	1274.546	-0.14195	0.238895	-0.59421	0.55237	0.90765	ENSMUSG0 Pdrgr1
ENSMUSG0	1814.42	-0.16932	0.28496	-0.59418	0.552395	0.90765	ENSMUSG0 Timm13
ENSMUSG0	17.56667	-0.32629	0.549243	-0.59408	0.552461	0.907682	ENSMUSG0 Npr3
ENSMUSG0	58.95063	0.219518	0.369614	0.593912	0.552571	0.907748	ENSMUSG0 Pdzn3
ENSMUSG0	368.1396	0.14286	0.240556	0.593875	0.552596	0.907748	ENSMUSG0 Fam136a
ENSMUSG0	6022.483	0.23331	0.393082	0.593539	0.552821	0.907929	ENSMUSG0 H2-Ab1
ENSMUSG0	29.09337	-0.19975	0.336541	-0.59353	0.552825	0.907929	ENSMUSG0 Lmo3
ENSMUSG0	662.0266	-0.08303	0.1399	-0.5935	0.552847	0.907929	ENSMUSG0 Smg9
ENSMUSG0	2891.08	-0.0973	0.16396	-0.59342	0.552899	0.907932	ENSMUSG0 Ddx1
ENSMUSG0	3.529236	0.533584	0.899562	0.59316	0.553074	0.907932	ENSMUSG0 Rorb
ENSMUSG0	47.85962	-0.20821	0.351047	-0.59311	0.553108	0.907932	ENSMUSG0 Gm28875
ENSMUSG0	833.9883	-0.11886	0.200411	-0.5931	0.553114	0.907932	ENSMUSG0 Galnt4
ENSMUSG0	1475.299	-0.21429	0.361302	-0.59309	0.553118	0.907932	ENSMUSG0 Immp1l
ENSMUSG0	311.445	-0.12451	0.209933	-0.59307	0.553132	0.907932	ENSMUSG0 Vps33b
ENSMUSG0	36.51881	0.300828	0.507363	0.592925	0.553231	0.908016	ENSMUSG0 Cd46
ENSMUSG0	683.8368	-0.09082	0.153205	-0.59278	0.553326	0.908092	ENSMUSG0 Tars2

ENSMUSG0	1536.371	-0.14898	0.25135	-0.5927	0.553379	0.908092	ENSMUSG0 Helz
ENSMUSG0	153.5886	0.336575	0.567928	0.592636	0.553424	0.908092	ENSMUSG0 Ptpn7
ENSMUSG0	3.001034	0.538343	0.908482	0.592574	0.553466	0.908092	ENSMUSG0 Gm47428
ENSMUSG0	208.5626	-0.16465	0.277893	-0.59249	0.553525	0.908112	ENSMUSG0 Zfp182
ENSMUSG0	1124.582	-0.1404	0.23702	-0.59235	0.553613	0.908178	ENSMUSG0 Akr7a5
ENSMUSG0	614.112	-0.11052	0.186604	-0.59228	0.553666	0.908188	ENSMUSG01600012H0
ENSMUSG0	4192.61	0.09327	0.157518	0.592121	0.553769	0.90828	ENSMUSG0 Rangap1
ENSMUSG0	375.9899	0.108771	0.183735	0.592002	0.55385	0.908334	ENSMUSG0 Lrwd1
ENSMUSG0	11539.95	-0.10038	0.169611	-0.59184	0.55396	0.908437	ENSMUSG0 Copa
ENSMUSG0	1029.682	-0.10064	0.170107	-0.59162	0.554106	0.908595	ENSMUSG0 Gosr1
ENSMUSG0	601.6151	-0.12881	0.217742	-0.59155	0.554152	0.908595	ENSMUSG0 Pold2
ENSMUSG0	43.6342	-0.24861	0.420323	-0.59148	0.554198	0.908595	ENSMUSG0 Gper1
ENSMUSG0	766.0981	-0.08788	0.148631	-0.59125	0.554356	0.908609	ENSMUSG0 Stoml2
ENSMUSG0	404.4286	-0.09898	0.167456	-0.5911	0.554455	0.908609	ENSMUSG0 Eral1
ENSMUSG0	26.4485	0.258108	0.436712	0.591025	0.554504	0.908609	ENSMUSG0 Scimp
ENSMUSG0	124.8197	-0.1377	0.233053	-0.59087	0.554606	0.908609	ENSMUSG0 Gm20712
ENSMUSG0	108.153	0.360825	0.610753	0.590787	0.554663	0.908609	ENSMUSG0 Pirb
ENSMUSG0	53.78201	-0.22589	0.382396	-0.59072	0.554708	0.908609	ENSMUSG01700110K1
ENSMUSG0	2179.314	-0.14194	0.240316	-0.59063	0.554765	0.908609	ENSMUSG0 Creld2
ENSMUSG0	702.9025	0.083113	0.140721	0.590623	0.554773	0.908609	ENSMUSG0 Gtf2f1
ENSMUSG0	7.501712	0.568829	0.963144	0.590596	0.554791	0.908609	ENSMUSG0 Hp
ENSMUSG0	118.6067	-0.20026	0.339112	-0.59055	0.55482	0.908609	ENSMUSG0 Tmem29
ENSMUSG0	7.082521	0.398691	0.675207	0.590472	0.554875	0.908609	ENSMUSG04833417C1
ENSMUSG0	996.6942	-0.08322	0.14095	-0.59045	0.554891	0.908609	ENSMUSG0 Arfrp1
ENSMUSG0	6.149198	0.889208	1.506007	0.590441	0.554895	0.908609	ENSMUSG0 Gm14548
ENSMUSG0	1350.073	-0.14313	0.242458	-0.59035	0.554958	0.908609	ENSMUSG0 Pdgfa
ENSMUSG0	667.102	-0.17833	0.302115	-0.59029	0.554999	0.908609	ENSMUSG0 Bicral
ENSMUSG0	678.5351	0.137206	0.232471	0.590207	0.555052	0.908609	ENSMUSG0 Ugcg
ENSMUSG0	475.0267	0.086426	0.146477	0.590028	0.555172	0.908609	ENSMUSG0 Ldhd
ENSMUSG0	31.97615	-0.25301	0.428808	-0.59003	0.555174	0.908609	ENSMUSG0 Pheta2
ENSMUSG0	876.1933	0.190772	0.323407	0.589881	0.55527	0.908609	ENSMUSG0 Nsmce1
ENSMUSG0	271.6539	-0.13859	0.23497	-0.5898	0.555324	0.908609	ENSMUSG0 Tmem60
ENSMUSG0	1069.712	-0.10991	0.18637	-0.58973	0.555371	0.908609	ENSMUSG0 Asnsd1
ENSMUSG0	12.80132	-0.28512	0.483527	-0.58968	0.555407	0.908609	ENSMUSG0 Gm43789
ENSMUSG0	3370.825	-0.08823	0.149627	-0.58967	0.555413	0.908609	ENSMUSG0 Usp19
ENSMUSG0	3.015921	0.747871	1.268397	0.589619	0.555446	0.908609	ENSMUSG0 Spink10
ENSMUSG0	496.9566	-0.10512	0.178317	-0.58952	0.555509	0.908609	ENSMUSG0 Bzw2
ENSMUSG0	1334.583	-0.13291	0.225452	-0.58952	0.555512	0.908609	ENSMUSG0 Zfp652
ENSMUSG0	1490.885	-0.08831	0.149816	-0.58945	0.555558	0.908609	ENSMUSG0 Chrn2
ENSMUSG0	61.94605	0.192705	0.326976	0.589355	0.555623	0.908609	ENSMUSG0 Vamp7-ps
ENSMUSG0	921.5022	-0.12109	0.205474	-0.58934	0.555633	0.908609	ENSMUSG0 Slc7a1
ENSMUSG0	121.8862	0.16112	0.273462	0.589186	0.555737	0.908609	ENSMUSG0 Cep112
ENSMUSG0	3428.457	0.102104	0.173313	0.589132	0.555772	0.908609	ENSMUSG0 Chmp4b
ENSMUSG0	144.3051	0.216961	0.368327	0.589044	0.555832	0.908609	ENSMUSG0 Dclre1c
ENSMUSG0	3.239279	-0.70432	1.195769	-0.58901	0.555854	0.908609	ENSMUSG04633401B0
ENSMUSG0	489.9958	-0.0965	0.163834	-0.589	0.555859	0.908609	ENSMUSG0 Ccdc134
ENSMUSG0	660.9297	0.188767	0.320601	0.588792	0.556001	0.908761	ENSMUSG0 Snhg8
ENSMUSG0	161.4327	0.12135	0.206123	0.588723	0.556047	0.908761	ENSMUSG0 Pard6g
ENSMUSG0	416.3446	-0.14637	0.248695	-0.58854	0.556169	0.908883	ENSMUSG0 Nudt16
ENSMUSG0	44.1644	0.231369	0.393348	0.588206	0.556394	0.909114	ENSMUSG0 Rhov
ENSMUSG0	40.38833	-0.22086	0.375621	-0.58799	0.556537	0.909114	ENSMUSG0 Pik3r6
ENSMUSG0	975.7543	-0.10832	0.184236	-0.58793	0.556576	0.909114	ENSMUSG0 Idh1

ENSMUSG0	332.6886	0.28915	0.491808	0.587933	0.556577	0.909114	ENSMUSG0 Cd55
ENSMUSG0	307.8265	-0.14892	0.253297	-0.58792	0.556587	0.909114	ENSMUSG0 Carf
ENSMUSG0	947.7522	-0.126	0.214349	-0.58784	0.556638	0.909114	ENSMUSG0 Mul1
ENSMUSG0	1121.743	0.109838	0.186859	0.58781	0.55666	0.909114	ENSMUSG0 Rilpl2
ENSMUSG0	739.0391	-0.10213	0.173777	-0.5877	0.556734	0.909114	ENSMUSG0 Mrpl2
ENSMUSG0	501.0909	0.177426	0.301922	0.587656	0.556763	0.909114	ENSMUSG0 Lyn
ENSMUSG0	278.5256	0.156458	0.266253	0.587627	0.556783	0.909114	ENSMUSG0 Map3k14
ENSMUSG0	342.7013	0.151139	0.257332	0.587331	0.556981	0.909256	ENSMUSG0 Rsu1
ENSMUSG0	1210.094	0.109638	0.18672	0.587179	0.557084	0.909256	ENSMUSG0 Uri1
ENSMUSG0	1969.553	0.7654	1.303794	0.587056	0.557166	0.909256	ENSMUSG0 Gm12671
ENSMUSG0	753.2579	0.124351	0.211883	0.586882	0.557283	0.909256	ENSMUSG0 Fbxw9
ENSMUSG0	17.06205	0.529063	0.901601	0.586804	0.557335	0.909256	ENSMUSG0 Igkv3-2
ENSMUSG0	212.1396	-0.11926	0.203247	-0.58679	0.557342	0.909256	ENSMUSG0 Zfp668
ENSMUSG0	830.9095	0.104822	0.178644	0.586764	0.557362	0.909256	ENSMUSG0 Ints4
ENSMUSG0	2164.379	-0.09577	0.163257	-0.58662	0.557456	0.909256	ENSMUSG0 Cnot7
ENSMUSG0	4.017691	-0.67644	1.153149	-0.5866	0.557473	0.909256	ENSMUSG0 Gm10997
ENSMUSG0	4.654161	-0.47393	0.808151	-0.58643	0.557584	0.909256	ENSMUSG0 Gm10300
ENSMUSG0	3.525872	0.672993	1.147765	0.586351	0.557639	0.909256	ENSMUSG0 C5ar2
ENSMUSG0	3.139207	0.570788	0.973501	0.586326	0.557657	0.909256	ENSMUSG0 Gm46350
ENSMUSG0	579.9333	-0.12699	0.216623	-0.58622	0.557727	0.909256	ENSMUSG0 Mipep
ENSMUSG0	5.915917	-0.9606	1.638756	-0.58617	0.557758	0.909256	ENSMUSG0 Gm49394
ENSMUSG0	63.45855	-0.23092	0.393976	-0.58614	0.557783	0.909256	ENSMUSG0 Pthlh
ENSMUSG0	1978.15	0.112381	0.191732	0.586136	0.557784	0.909256	ENSMUSG0 Klf13
ENSMUSG0	35.20106	0.189266	0.322931	0.586089	0.557816	0.909256	ENSMUSG0 Gm17484
ENSMUSG0	3156.307	-0.08595	0.146652	-0.58605	0.557841	0.909256	ENSMUSG0 Dcaf11
ENSMUSG0	2486.842	-0.09027	0.154043	-0.586	0.557873	0.909256	ENSMUSG0 Scfd1
ENSMUSG0	1442.12	0.150663	0.257108	0.585991	0.557882	0.909256	ENSMUSG0 Kctd2
ENSMUSG0	196.4477	0.170246	0.29057	0.585904	0.55794	0.909256	ENSMUSG0 Gpr179
ENSMUSG0	3023.568	0.106936	0.182556	0.58577	0.55803	0.909256	ENSMUSG0 Megf8
ENSMUSG0	5.934504	-0.37264	0.636236	-0.58569	0.558082	0.909256	ENSMUSG0 BC060293
ENSMUSG0	3005.952	0.139926	0.238914	0.585674	0.558095	0.909256	ENSMUSG0 Kif21a
ENSMUSG0	15.43313	-0.2509	0.428411	-0.58565	0.55811	0.909256	ENSMUSG0 A430105J0I
ENSMUSG0	1291.921	-0.26957	0.460299	-0.58565	0.55811	0.909256	ENSMUSG0 Gm20390
ENSMUSG0	3.61685	0.721282	1.231747	0.585576	0.55816	0.909256	ENSMUSG0 Trbv19
ENSMUSG0	11.39761	0.285139	0.487056	0.585434	0.558256	0.909256	ENSMUSG0 Gm37170
ENSMUSG0	2.939136	-0.54287	0.927287	-0.58543	0.558256	0.909256	ENSMUSG0 Gm16066
ENSMUSG0	525.836	0.212259	0.36261	0.585365	0.558302	0.909256	ENSMUSG0 Baz1a
ENSMUSG0	4.161524	-0.53918	0.921179	-0.58532	0.558335	0.909256	ENSMUSG0 Gm38376
ENSMUSG0	27.76244	-0.23674	0.40481	-0.58481	0.558674	0.909731	ENSMUSG0 Gm42690
ENSMUSG0	120.4413	0.189658	0.324357	0.584722	0.558735	0.909753	ENSMUSG0 Dhx58
ENSMUSG0	1719.517	0.068264	0.116787	0.58452	0.558871	0.909897	ENSMUSG0 Crk
ENSMUSG0	51.57511	-0.40996	0.701616	-0.58431	0.559012	0.910045	ENSMUSG0 P2ry14
ENSMUSG0	3.111169	-0.73857	1.264249	-0.5842	0.559086	0.910045	ENSMUSG0 D830039M
ENSMUSG0	739.1386	-0.13707	0.234646	-0.58417	0.559103	0.910045	ENSMUSG0 Rbm14
ENSMUSG0	986.5678	0.096242	0.164824	0.583903	0.559285	0.910264	ENSMUSG0 Arrb2
ENSMUSG0	3238.765	0.138078	0.236543	0.583732	0.5594	0.910282	ENSMUSG0 Pum2
ENSMUSG0	1074.283	0.111738	0.191439	0.583676	0.559438	0.910282	ENSMUSG0 Dyrk1a
ENSMUSG0	76.29901	-0.36489	0.625319	-0.58353	0.559539	0.910368	ENSMUSG0 Mall
ENSMUSG0	4.72212	-0.49976	0.856744	-0.58333	0.559674	0.910424	ENSMUSG0 B230112I24
ENSMUSG0	528.3714	-0.18782	0.32205	-0.58321	0.559751	0.910424	ENSMUSG0 Stox1
ENSMUSG0	8.947277	0.325812	0.558687	0.583174	0.559776	0.910424	ENSMUSG0 Cnga4
ENSMUSG0	30.51281	0.328861	0.564053	0.583032	0.559872	0.910424	ENSMUSG0 Il15

ENSMUSG0	616.2658	0.115635	0.198354	0.582971	0.559913	0.910424	ENSMUSG0 Cpne1
ENSMUSG0	599.427	-0.09442	0.161974	-0.58294	0.559932	0.910424	ENSMUSG0 Zfp319
ENSMUSG0	1321.783	0.132825	0.227899	0.582821	0.560014	0.910424	ENSMUSG0 Setd2
ENSMUSG0	29.38261	0.177288	0.304231	0.582742	0.560067	0.910424	ENSMUSG0 Fhl4
ENSMUSG0	18.31533	0.929977	1.595926	0.582719	0.560082	0.910424	ENSMUSG0 Gm21762
ENSMUSG0	5692.323	0.129722	0.222621	0.582705	0.560092	0.910424	ENSMUSG0 Sphkap
ENSMUSG0	546.3573	0.113152	0.194185	0.582703	0.560093	0.910424	ENSMUSG0 Gnnda2
ENSMUSG0	1504.696	0.080922	0.138929	0.582472	0.560249	0.910529	ENSMUSG0 Cd2bp2
ENSMUSG0	1432.1	0.160352	0.275328	0.582404	0.560294	0.910529	ENSMUSG0 Ptpn6
ENSMUSG0	367.6996	-0.25865	0.444121	-0.58239	0.560304	0.910529	ENSMUSG0 Hba-a1
ENSMUSG0	239.0851	0.182743	0.313827	0.582305	0.560361	0.910529	ENSMUSG0 Panx1
ENSMUSG0	1097.242	0.119595	0.205493	0.581989	0.560574	0.910529	ENSMUSG0 Necab2
ENSMUSG0	23.45784	0.332416	0.571283	0.581877	0.56065	0.910529	ENSMUSG0 Fcrls
ENSMUSG0	91.58638	-0.12002	0.20628	-0.58183	0.560683	0.910529	ENSMUSG0 A630052C1
ENSMUSG0	2466.844	-0.16725	0.287561	-0.58161	0.560832	0.910529	ENSMUSG0 Nfkbia
ENSMUSG0	267.5424	-0.16315	0.280539	-0.58155	0.560867	0.910529	ENSMUSG0 Diaph2
ENSMUSG0	14.29968	0.287396	0.494264	0.581463	0.560929	0.910529	ENSMUSG0 Gm36948
ENSMUSG0	14.05078	0.41727	0.717832	0.581292	0.561044	0.910529	ENSMUSG0 Haspin
ENSMUSG0	352.5322	-0.1818	0.312754	-0.58127	0.561056	0.910529	ENSMUSG0 Med21
ENSMUSG0	1132.234	0.167289	0.287803	0.581263	0.561063	0.910529	ENSMUSG0 Smc4
ENSMUSG0	632.0098	0.150179	0.258374	0.581247	0.561074	0.910529	ENSMUSG0 Acap3
ENSMUSG0	5.611955	0.640513	1.102016	0.581219	0.561093	0.910529	ENSMUSG0 Gm4956
ENSMUSG0	1085.13	-0.10919	0.187871	-0.5812	0.561109	0.910529	ENSMUSG0 Xrcc6
ENSMUSG0	119.697	0.276334	0.475519	0.581121	0.561159	0.910529	ENSMUSG0 Sytl5
ENSMUSG0	526.1707	0.157339	0.270774	0.58107	0.561193	0.910529	ENSMUSG0 Fmnl3
ENSMUSG0	375.6104	-0.10762	0.185228	-0.58104	0.561213	0.910529	ENSMUSG0 Zfp446
ENSMUSG0	849.0244	0.123364	0.212375	0.580875	0.561325	0.910529	ENSMUSG0 Ift22
ENSMUSG0	5.088042	-0.53677	0.924152	-0.58082	0.561362	0.910529	ENSMUSG0 Gm44956
ENSMUSG0	534.6587	0.106528	0.183431	0.580752	0.561408	0.910529	ENSMUSG0 Nrde2
ENSMUSG0	7.611204	0.689325	1.187004	0.580727	0.561424	0.910529	ENSMUSG0 Igkv1-122
ENSMUSG0	498.2883	-0.09804	0.168826	-0.58069	0.561451	0.910529	ENSMUSG0 Prr3
ENSMUSG0	129.2781	0.306564	0.527944	0.580674	0.56146	0.910529	ENSMUSG0 Galm
ENSMUSG0	222.668	0.207687	0.357727	0.580573	0.561528	0.910529	ENSMUSG0 Zfp709
ENSMUSG0	18.6829	0.562528	0.968931	0.580565	0.561533	0.910529	ENSMUSG0 Igkv8-24
ENSMUSG0	233.1005	-0.12687	0.218544	-0.58053	0.56156	0.910529	ENSMUSG0 Lxn
ENSMUSG0	96.88365	0.3626	0.624613	0.58052	0.561564	0.910529	ENSMUSG0 Sulf1
ENSMUSG0	323.5882	0.118148	0.203576	0.580365	0.561669	0.910529	ENSMUSG0 Tinf2
ENSMUSG0	996.7808	-0.13839	0.238454	-0.58035	0.561677	0.910529	ENSMUSG0 Tfam
ENSMUSG0	2993.38	-0.12754	0.21981	-0.58024	0.561754	0.910529	ENSMUSG0 Arhgef17
ENSMUSG0	2.998045	0.596414	1.028001	0.580168	0.561801	0.910529	ENSMUSG0 Gm14488
ENSMUSG0	89.00785	-0.13533	0.2333	-0.58009	0.561857	0.910529	ENSMUSG0 Arv1
ENSMUSG0	59.35616	0.246532	0.425048	0.580011	0.561907	0.910529	ENSMUSG0 Tmem200b
ENSMUSG0	145.7864	0.14258	0.245825	0.580005	0.561911	0.910529	ENSMUSG0 Mipol1
ENSMUSG0	1820.212	-0.13946	0.240468	-0.57994	0.561955	0.910529	ENSMUSG0 Imp3
ENSMUSG0	11.93849	-0.40407	0.696755	-0.57994	0.561957	0.910529	ENSMUSG0 Gm38043
ENSMUSG0	8.600202	0.361125	0.622846	0.579798	0.562051	0.910551	ENSMUSG0 Gm45242
ENSMUSG0	12.47369	-0.25546	0.440618	-0.57978	0.562065	0.910551	ENSMUSG0 Gm49783
ENSMUSG0	763.6707	0.110198	0.190136	0.579574	0.562202	0.910636	ENSMUSG0 Utp6
ENSMUSG0	9089.71	-0.16354	0.282327	-0.57926	0.562413	0.910669	ENSMUSG0 Enpp2
ENSMUSG0	135.7583	-0.14414	0.248857	-0.57921	0.562445	0.910669	ENSMUSG0 Hspb11
ENSMUSG0	272.4907	0.141727	0.244689	0.579214	0.562445	0.910669	ENSMUSG0 Zbtb11os1
ENSMUSG0	396.7452	0.347995	0.600843	0.579178	0.562469	0.910669	ENSMUSG0 Cfb

ENSMUSG0	1154.996	0.095799	0.165457	0.578999	0.56259	0.910764	ENSMUSG0 Kpna3
ENSMUSG0	43.54784	0.213022	0.367946	0.57895	0.562623	0.910764	ENSMUSG0 Ccdc171
ENSMUSG0	946.1589	0.09351	0.161542	0.578858	0.562685	0.910788	ENSMUSG0 Zfp260
ENSMUSG0	7.914725	-0.40644	0.702422	-0.57862	0.562846	0.910914	ENSMUSG0 Phkg1
ENSMUSG0	3.589516	0.465426	0.804397	0.578603	0.562857	0.910914	ENSMUSG0 Gm19552
ENSMUSG0	462.1001	-0.17108	0.295763	-0.57845	0.562961	0.910953	ENSMUSG0 Nptx1
ENSMUSG0	18.47322	-0.47494	0.82117	-0.57837	0.563014	0.910953	ENSMUSG0 Gm22513
ENSMUSG0	163.0699	-0.11736	0.202923	-0.57836	0.563024	0.910953	ENSMUSG0 Al480526
ENSMUSG0	1056.443	-0.16512	0.285575	-0.57821	0.56312	0.911024	ENSMUSG0 Emcn
ENSMUSG0	50.46789	-0.20647	0.357119	-0.57815	0.563162	0.911024	ENSMUSG0 Zfp108
ENSMUSG0	1491.261	0.083228	0.143978	0.578056	0.563226	0.911027	ENSMUSG0 Nsun2
ENSMUSG0	695.8735	-0.18595	0.321788	-0.57787	0.563355	0.911027	ENSMUSG0 Kiz
ENSMUSG0	6.959842	-0.42755	0.739905	-0.57785	0.563366	0.911027	ENSMUSG0 Dcdc2b
ENSMUSG0	125.3091	-0.17706	0.306432	-0.5778	0.563401	0.911027	ENSMUSG0 D130020L0
ENSMUSG0	723.9465	0.147622	0.255524	0.577723	0.563451	0.911032	ENSMUSG0 Ppp1r7
ENSMUSG0	183.9414	-0.14083	0.243804	-0.57765	0.563503	0.911039	ENSMUSG0 4930430F0
ENSMUSG0	10.86908	0.335313	0.58068	0.577449	0.563636	0.911047	ENSMUSG0 Scn11a
ENSMUSG0	575.0888	-0.14775	0.255881	-0.57742	0.563656	0.911047	ENSMUSG0 Eipr1
ENSMUSG0	495.1302	0.230229	0.39878	0.577333	0.563714	0.911047	ENSMUSG0 Slc1a5
ENSMUSG0	406.5828	0.115424	0.199937	0.577301	0.563736	0.911047	ENSMUSG0 Casp2
ENSMUSG0	1934.057	0.1138	0.197129	0.577289	0.563744	0.911047	ENSMUSG0 Csk
ENSMUSG0	1524.431	-0.13199	0.228671	-0.57722	0.563792	0.911048	ENSMUSG0 Esm1
ENSMUSG0	29.20842	0.246025	0.42632	0.577091	0.563878	0.911111	ENSMUSG0 Polq
ENSMUSG0	12.47823	0.438877	0.760753	0.576898	0.564008	0.911213	ENSMUSG0 Iglv3
ENSMUSG0	3.973481	-0.54888	0.951776	-0.57669	0.564146	0.911213	ENSMUSG0 Gm13868
ENSMUSG0	12.14089	-0.29828	0.517237	-0.57668	0.564156	0.911213	ENSMUSG0 Gm48796
ENSMUSG0	5.638661	0.683401	1.185083	0.57667	0.564163	0.911213	ENSMUSG0 Mefv
ENSMUSG0	1121.025	-0.09957	0.172695	-0.57657	0.56423	0.911213	ENSMUSG0 Ccz1
ENSMUSG0	179.7678	-0.15875	0.275359	-0.57652	0.564266	0.911213	ENSMUSG0 Rad9b
ENSMUSG0	3.096217	0.583065	1.011378	0.576506	0.564273	0.911213	ENSMUSG0 Ighv1-22
ENSMUSG0	2456.371	0.091738	0.159163	0.576381	0.564358	0.911272	ENSMUSG0 Sh3bgrl
ENSMUSG0	884.915	-0.09759	0.169395	-0.5761	0.564547	0.911464	ENSMUSG0 Eif2d
ENSMUSG0	699.6798	-0.15665	0.271929	-0.57607	0.564571	0.911464	ENSMUSG0 Slc35a3
ENSMUSG0	541.546	-0.12298	0.213533	-0.57592	0.564667	0.911488	ENSMUSG0 Tent4b
ENSMUSG0	4.804115	0.452625	0.785965	0.575884	0.564694	0.911488	ENSMUSG0 Gm47205
ENSMUSG0	1617.291	-0.13887	0.241224	-0.5757	0.564815	0.911488	ENSMUSG0 Sap18b
ENSMUSG0	1107.777	0.091602	0.159113	0.575703	0.564816	0.911488	ENSMUSG0 Etfdh
ENSMUSG0	108.8789	0.277297	0.481676	0.575693	0.564823	0.911488	ENSMUSG0 Slamf6
ENSMUSG0	1406.004	-0.07444	0.129348	-0.57554	0.56493	0.911575	ENSMUSG0 Pabpn1
ENSMUSG0	785.7726	0.07725	0.134246	0.575435	0.564997	0.911575	ENSMUSG0 Tmem87a
ENSMUSG0	225.4527	-0.18589	0.323118	-0.5753	0.565087	0.911575	ENSMUSG0 Alg14
ENSMUSG0	3.741328	0.495091	0.86061	0.575279	0.565103	0.911575	ENSMUSG0 Gm16548
ENSMUSG0	571.3452	0.089436	0.155471	0.575262	0.565114	0.911575	ENSMUSG0 Miga2
ENSMUSG0	75.85105	0.173943	0.30248	0.575057	0.565253	0.911702	ENSMUSG0 Mococ
ENSMUSG0	29.59138	-0.31079	0.540492	-0.57501	0.565288	0.911702	ENSMUSG0 BE692007
ENSMUSG0	852.9038	0.067142	0.116798	0.574858	0.565387	0.911787	ENSMUSG0 Ift122
ENSMUSG0	813.6762	-0.11853	0.206239	-0.57471	0.565489	0.911806	ENSMUSG0 Bag5
ENSMUSG0	42.03664	-0.29639	0.515724	-0.5747	0.565494	0.911806	ENSMUSG0 Zfp469
ENSMUSG0	1256.888	-0.10758	0.187223	-0.57461	0.565558	0.911833	ENSMUSG0 Srpk1
ENSMUSG0	28.35702	0.266366	0.463621	0.574532	0.565608	0.911836	ENSMUSG0 Gm6598
ENSMUSG0	1229.953	-0.11104	0.193307	-0.57443	0.565674	0.911867	ENSMUSG0 Rusc1
ENSMUSG0	7.668554	0.378239	0.658607	0.574302	0.565764	0.911928	ENSMUSG0 Spats1

ENSMUSG0	2342.246	-0.2052	0.357345	-0.57424	0.565807	0.911928	ENSMUSG0Txn1
ENSMUSG0	114.0125	0.167464	0.29172	0.574058	0.565929	0.911943	ENSMUSG0Plau
ENSMUSG0	4.834807	0.531731	0.926408	0.573971	0.565988	0.911943	ENSMUSG0Tmem212
ENSMUSG0	227.3682	-0.12718	0.221605	-0.57392	0.566019	0.911943	ENSMUSG0Fndc5
ENSMUSG0	987.4864	-0.125	0.21781	-0.57389	0.566044	0.911943	ENSMUSG0Traf7
ENSMUSG0	117.2016	-0.12419	0.216412	-0.57386	0.566065	0.911943	ENSMUSG0Bbs10
ENSMUSG0	722.4935	-0.09323	0.162482	-0.5738	0.566101	0.911943	ENSMUSG0Rtn4rl1
ENSMUSG0	270.4653	-0.18382	0.320396	-0.57372	0.566155	0.911954	ENSMUSG0Mrpl22
ENSMUSG0	190.2565	0.206858	0.360688	0.573508	0.566301	0.912047	ENSMUSG0Srrm4
ENSMUSG0	615.9516	-0.12518	0.218283	-0.5735	0.566307	0.912047	ENSMUSG0Epg5
ENSMUSG0	5470.476	-0.05922	0.103292	-0.5733	0.566445	0.912105	ENSMUSG0Kif12
ENSMUSG0	2859.903	-0.13722	0.23937	-0.57326	0.566471	0.912105	ENSMUSG0Zc3h11a
ENSMUSG0	6.669351	0.361924	0.63147	0.573144	0.566547	0.912105	ENSMUSG0Gm48840
ENSMUSG0	3814.405	-0.21973	0.383463	-0.57301	0.566639	0.912105	ENSMUSG0Nktr
ENSMUSG0	295.8459	0.102858	0.17951	0.572994	0.566649	0.912105	ENSMUSG0Cccl8
ENSMUSG0	602.2014	0.082173	0.143413	0.572983	0.566657	0.912105	ENSMUSG0Pex13
ENSMUSG0	697.713	-0.1245	0.217327	-0.57289	0.566719	0.912105	ENSMUSG0Tmem260
ENSMUSG0	1549.955	0.124167	0.216766	0.572813	0.566771	0.912105	ENSMUSG0Trim37
ENSMUSG0	354.2919	-0.1941	0.338924	-0.57269	0.566852	0.912105	ENSMUSG0Gm5860
ENSMUSG0	105.192	0.153407	0.267874	0.572684	0.566859	0.912105	ENSMUSG0Sfxn4
ENSMUSG0	2446.282	0.236841	0.41357	0.572674	0.566865	0.912105	ENSMUSG0Kmt2d
ENSMUSG0	41.45509	0.209756	0.366343	0.572567	0.566938	0.912129	ENSMUSG0Fam83d
ENSMUSG0	1082.701	-0.10857	0.189642	-0.57251	0.566975	0.912129	ENSMUSG0Psd
ENSMUSG0	205.8116	0.092672	0.161933	0.572288	0.567127	0.912298	ENSMUSG0Zscan12
ENSMUSG0	4.966166	-0.48306	0.844543	-0.57198	0.567335	0.912556	ENSMUSG0Gm13194
ENSMUSG0	6700.654	0.100626	0.175967	0.571846	0.567426	0.912627	ENSMUSG0Nfe2l1
ENSMUSG0	535.3522	-0.1856	0.324631	-0.57174	0.567501	0.912671	ENSMUSG0Asphd1
ENSMUSG0	568.7902	-0.15155	0.265176	-0.57149	0.567665	0.91282	ENSMUSG0Zfp654
ENSMUSG0	794.6134	-0.07944	0.139018	-0.57146	0.567691	0.91282	ENSMUSG0Phtf1
ENSMUSG0	89.9805	-0.14485	0.253501	-0.57139	0.567736	0.91282	ENSMUSG0Fam151b
ENSMUSG0	388.9958	-0.16067	0.281297	-0.57119	0.567872	0.912944	ENSMUSG04930481A1
ENSMUSG0	796.4058	0.120106	0.210294	0.571134	0.567909	0.912944	ENSMUSG0Ssh3
ENSMUSG0	277.7323	0.1671	0.292633	0.571022	0.567984	0.91299	ENSMUSG0Inava
ENSMUSG0	313.9191	0.093468	0.163707	0.570946	0.568036	0.912997	ENSMUSG0Dus2
ENSMUSG0	2957.894	-0.12181	0.213398	-0.57082	0.568125	0.91304	ENSMUSG0Arid1a
ENSMUSG0	10.09211	-0.41212	0.722049	-0.57077	0.568158	0.91304	ENSMUSG0Sirpb1a
ENSMUSG0	2309.634	-0.07809	0.136896	-0.57042	0.568395	0.91329	ENSMUSG0Akt2
ENSMUSG0	584.4106	0.138083	0.242138	0.570266	0.568497	0.91329	ENSMUSG0Gm29562
ENSMUSG0	4321.887	0.086262	0.151285	0.570195	0.568545	0.91329	ENSMUSG0Mcl1
ENSMUSG0	60.51316	-0.24188	0.424312	-0.57006	0.568639	0.91329	ENSMUSG0Ckap2l
ENSMUSG0	9.687945	0.326359	0.572523	0.570036	0.568653	0.91329	ENSMUSG0Fsp1
ENSMUSG0	291.5702	0.125773	0.220653	0.570005	0.568675	0.91329	ENSMUSG0Tmem140
ENSMUSG0	689.9541	-0.12414	0.21782	-0.56994	0.568719	0.91329	ENSMUSG0C330007P0
ENSMUSG0	2433.236	0.124664	0.218734	0.569931	0.568724	0.91329	ENSMUSG0Ppp1r9b
ENSMUSG0	2142.767	-0.11946	0.209662	-0.5698	0.568815	0.91329	ENSMUSG0Synrg
ENSMUSG0	30.32519	0.364653	0.640004	0.569767	0.568836	0.91329	ENSMUSG0Slc2a4
ENSMUSG0	172.2864	0.210564	0.369562	0.569767	0.568836	0.91329	ENSMUSG0Gmnn
ENSMUSG0	3.056175	0.613594	1.077138	0.569652	0.568914	0.9133	ENSMUSG0Gm43523
ENSMUSG0	725.4678	-0.19509	0.342485	-0.56962	0.568937	0.9133	ENSMUSG0Casr
ENSMUSG0	345.4941	0.138863	0.243897	0.569351	0.569118	0.913434	ENSMUSG0Igsf5
ENSMUSG0	701.6355	-0.18088	0.317721	-0.5693	0.569152	0.913434	ENSMUSG0Mrps16
ENSMUSG0	5.003091	0.499811	0.877963	0.569285	0.569163	0.913434	ENSMUSG0Gm37292

ENSMUSG0	1190.993	-0.13228	0.232432	-0.56911	0.569279	0.913495	ENSMUSG0 Kdm5b
ENSMUSG0	17.32734	0.524322	0.921336	0.569089	0.569296	0.913495	ENSMUSG0 Clec4n
ENSMUSG0	2242.254	-0.09192	0.161546	-0.56901	0.56935	0.913501	ENSMUSG0 Coro1b
ENSMUSG0	794.3937	-0.09259	0.162799	-0.56872	0.569545	0.913501	ENSMUSG0 Thtpa
ENSMUSG0	153.0596	0.164281	0.288865	0.56871	0.569553	0.913501	ENSMUSG0 Flywch2
ENSMUSG0	72.30983	-0.31972	0.562193	-0.56871	0.569554	0.913501	ENSMUSG0 Ppp1r17
ENSMUSG0	924.1827	0.167782	0.295036	0.568683	0.569571	0.913501	ENSMUSG0 Ksr2
ENSMUSG0	534.4837	-0.07227	0.1271	-0.56861	0.56962	0.913501	ENSMUSG0 Ddx52
ENSMUSG0	3598.021	-0.06636	0.116728	-0.5685	0.569698	0.913501	ENSMUSG0 Sgsm1
ENSMUSG0	1839.815	-0.20335	0.357729	-0.56846	0.569724	0.913501	ENSMUSG0 Cpsf1
ENSMUSG0	1232.006	-0.08796	0.154735	-0.56845	0.569727	0.913501	ENSMUSG0 Gne
ENSMUSG0	595.0916	0.178066	0.313334	0.568294	0.569835	0.913531	ENSMUSG0 Fam189b
ENSMUSG0	394.64	0.105301	0.185295	0.568286	0.569841	0.913531	ENSMUSG0 Mtmr14
ENSMUSG0	4022.291	-0.08465	0.148978	-0.56821	0.569894	0.913539	ENSMUSG0 Npdc1
ENSMUSG0	635.852	0.145943	0.256883	0.56813	0.569946	0.913548	ENSMUSG0 Sbf2
ENSMUSG0	167.1481	0.111908	0.197054	0.567907	0.570098	0.913594	ENSMUSG0 Acot2
ENSMUSG0	362.8222	-0.10917	0.192253	-0.56784	0.570141	0.913594	ENSMUSG0 Pop7
ENSMUSG0	1139.006	0.118797	0.209274	0.567663	0.570264	0.913594	ENSMUSG0 Slc12a6
ENSMUSG0	9.332397	0.353932	0.623516	0.56764	0.57028	0.913594	ENSMUSG0 Gm5294
ENSMUSG0	1482.21	-0.1817	0.320107	-0.56761	0.5703	0.913594	ENSMUSG0 Pdzk1ip1
ENSMUSG0	12.20449	-0.48448	0.853567	-0.5676	0.570308	0.913594	ENSMUSG0 Il10
ENSMUSG0	3.223372	0.524287	0.923772	0.567551	0.57034	0.913594	ENSMUSG0 Sbpl
ENSMUSG0	131.1042	0.313766	0.552863	0.567529	0.570355	0.913594	ENSMUSG0 Arhgap15
ENSMUSG0	639.463	-0.15864	0.279609	-0.56736	0.570468	0.913641	ENSMUSG0 Tmem238
ENSMUSG0	5.372806	0.426	0.750865	0.567345	0.57048	0.913641	ENSMUSG0 Lbx2
ENSMUSG0	3.533963	-0.50244	0.885759	-0.56725	0.570547	0.913672	ENSMUSG0 BC051077
ENSMUSG0	192.7453	-0.12046	0.212421	-0.56707	0.570664	0.913672	ENSMUSG0 Cdkal1
ENSMUSG0	125.4812	-0.28082	0.495236	-0.56704	0.570687	0.913672	ENSMUSG0 Rpph1
ENSMUSG0	866.7783	-0.16052	0.28312	-0.56696	0.57074	0.913672	ENSMUSG0 Atox1
ENSMUSG0	22.30981	0.24933	0.439846	0.566857	0.570811	0.913672	ENSMUSG0 Gm42979
ENSMUSG0	2139.883	-0.09487	0.167397	-0.56675	0.570882	0.913672	ENSMUSG0 Stx7
ENSMUSG0	554.2033	0.234404	0.413616	0.566718	0.570906	0.913672	ENSMUSG0 Gimap4
ENSMUSG0	9.776652	0.372459	0.657237	0.566704	0.570915	0.913672	ENSMUSG0 Gm37309
ENSMUSG0	568.7443	0.103025	0.18183	0.566603	0.570984	0.913672	ENSMUSG0 Dsty1
ENSMUSG0	104.0694	-0.28771	0.507899	-0.56647	0.571074	0.913672	ENSMUSG0 1500026H1
ENSMUSG0	780.7408	0.108401	0.191389	0.566391	0.571128	0.913672	ENSMUSG0 Rassf1
ENSMUSG0	27.85272	0.198682	0.350818	0.566339	0.571163	0.913672	ENSMUSG0 Gipc3
ENSMUSG0	49.48767	0.352897	0.623167	0.566296	0.571192	0.913672	ENSMUSG0 Bst1
ENSMUSG0	827.5795	-0.14838	0.262027	-0.56628	0.571206	0.913672	ENSMUSG0 Pfdn6
ENSMUSG0	1076.706	0.145024	0.256104	0.566269	0.571211	0.913672	ENSMUSG0 Arid1b
ENSMUSG0	5319.283	0.094182	0.166364	0.566119	0.571313	0.913748	ENSMUSG0 Nell1
ENSMUSG0	775.669	0.110483	0.19518	0.566059	0.571354	0.913748	ENSMUSG0 Trim3
ENSMUSG0	26.12876	-0.21822	0.385684	-0.56581	0.571524	0.913887	ENSMUSG0 Hrct1
ENSMUSG0	428.5214	-0.13209	0.233459	-0.56579	0.571536	0.913887	ENSMUSG0 Zfp64
ENSMUSG0	2186.779	-0.08291	0.146565	-0.56565	0.571629	0.91396	ENSMUSG0 B4galt3
ENSMUSG0	889.6997	-0.13144	0.232574	-0.56517	0.571957	0.914374	ENSMUSG0 Rbsn
ENSMUSG0	1876.39	-0.0934	0.165341	-0.5649	0.572143	0.914374	ENSMUSG0 Man2c1
ENSMUSG0	121.1183	0.18413	0.325956	0.564892	0.572147	0.914374	ENSMUSG0 Lca5
ENSMUSG0	79.14192	0.257419	0.455708	0.564877	0.572157	0.914374	ENSMUSG0 Lrp4
ENSMUSG0	4.806557	0.450395	0.797334	0.564876	0.572158	0.914374	ENSMUSG0 Gm11948
ENSMUSG0	14.33164	-0.29129	0.515687	-0.56485	0.572173	0.914374	ENSMUSG0 Gm49694
ENSMUSG0	639.2187	-0.13175	0.233381	-0.56451	0.572408	0.91449	ENSMUSG0 Brix1

ENSMUSG0	907.417	-0.16249	0.287851	-0.5645	0.572412	0.91449	ENSMUSG0 Aprt
ENSMUSG0	321.5229	-0.12257	0.217157	-0.56444	0.572458	0.91449	ENSMUSG0 Sh3rf1
ENSMUSG0	466.8846	-0.10614	0.188061	-0.56437	0.572499	0.91449	ENSMUSG0 Cwc22
ENSMUSG0	416.2145	-0.1691	0.299643	-0.56435	0.572518	0.91449	ENSMUSG0 Dcp1b
ENSMUSG0	25.75928	0.244951	0.434115	0.564254	0.572581	0.91449	ENSMUSG0 Gm8189
ENSMUSG0	564.4882	-0.10652	0.188774	-0.56425	0.572586	0.91449	ENSMUSG0 Gyg
ENSMUSG0	456.6231	-0.1183	0.209683	-0.56419	0.572626	0.91449	ENSMUSG0 Slc52a2
ENSMUSG0	27.53147	0.256971	0.455591	0.564038	0.572728	0.914516	ENSMUSG0 Gm3696
ENSMUSG0	63.48314	0.225081	0.399062	0.564024	0.572738	0.914516	ENSMUSG0 Gm10037
ENSMUSG0	4.169335	0.482044	0.854934	0.563837	0.572865	0.914535	ENSMUSG0 Csf3
ENSMUSG0	843.9881	-0.08459	0.150039	-0.56381	0.572882	0.914535	ENSMUSG0 Nat10
ENSMUSG0	946.7639	-0.11045	0.195912	-0.56377	0.572912	0.914535	ENSMUSG0 Idh3a
ENSMUSG0	708.6621	0.117422	0.208329	0.563638	0.573001	0.914535	ENSMUSG0 Gpkow
ENSMUSG0	3.033016	0.489517	0.868525	0.563619	0.573013	0.914535	ENSMUSG0 Gm13464
ENSMUSG0	58.09431	-0.14717	0.261124	-0.56359	0.573034	0.914535	ENSMUSG0 Afm
ENSMUSG0	4.62334	-0.4454	0.790539	-0.56342	0.573152	0.914647	ENSMUSG0 Gm43593
ENSMUSG0	875.4891	-0.12379	0.219791	-0.56323	0.573276	0.914719	ENSMUSG0 Nae1
ENSMUSG0	552.8003	0.137609	0.244331	0.563209	0.573292	0.914719	ENSMUSG0 Prpf3
ENSMUSG0	984.8181	-0.1589	0.282287	-0.56289	0.573508	0.914986	ENSMUSG0 Dvl3
ENSMUSG0	769.7792	0.098875	0.175707	0.562725	0.573622	0.915093	ENSMUSG0 Arrdc1
ENSMUSG0	3567.251	-0.08227	0.146242	-0.56257	0.573724	0.915181	ENSMUSG0 Wfs1
ENSMUSG0	4.765815	-0.58339	1.037241	-0.56244	0.573814	0.915187	ENSMUSG0 Trim15
ENSMUSG0	1334.086	-0.17303	0.307732	-0.56227	0.573934	0.915187	ENSMUSG0 Lamtor4
ENSMUSG0	1254.84	-0.12196	0.216914	-0.56226	0.573939	0.915187	ENSMUSG0 Ogford2
ENSMUSG0	2390.204	-0.21196	0.376993	-0.56225	0.573948	0.915187	ENSMUSG0 1810037117
ENSMUSG0	8.998943	0.417518	0.742625	0.562219	0.573967	0.915187	ENSMUSG0 Gm44957
ENSMUSG0	1771.15	0.099596	0.177194	0.562073	0.574066	0.91522	ENSMUSG0 Tcf4
ENSMUSG0	12.03731	-0.31831	0.566439	-0.56194	0.574155	0.91522	ENSMUSG0 1500002F1
ENSMUSG0	485.1691	0.164489	0.292719	0.561935	0.574161	0.91522	ENSMUSG0 Cntrl
ENSMUSG0	7.020591	-0.54792	0.975121	-0.5619	0.574184	0.91522	ENSMUSG0 Gm45828
ENSMUSG0	2432.481	0.099919	0.177849	0.561822	0.574237	0.91522	ENSMUSG0 Rcc2
ENSMUSG0	1904.883	0.092032	0.163841	0.561713	0.574312	0.91522	ENSMUSG0 Nsf1c
ENSMUSG0	373.712	-0.15953	0.284099	-0.56153	0.574436	0.91522	ENSMUSG0 Lym4
ENSMUSG0	20.48555	0.22779	0.405818	0.561311	0.574586	0.91522	ENSMUSG0 Zfp993
ENSMUSG0	5.327951	0.461627	0.822467	0.561272	0.574612	0.91522	ENSMUSG0 Atoh7
ENSMUSG0	3.631203	-0.53195	0.947857	-0.56121	0.574654	0.91522	ENSMUSG0 Gm49164
ENSMUSG0	91.44514	-0.21941	0.391035	-0.56111	0.574726	0.91522	ENSMUSG0 Zfp759
ENSMUSG0	262.8463	-0.08905	0.158719	-0.56107	0.574749	0.91522	ENSMUSG0 Cbwd1
ENSMUSG0	117.8228	-0.24497	0.436646	-0.56102	0.574784	0.91522	ENSMUSG0 Vsig2
ENSMUSG0	5.865053	-0.36175	0.644857	-0.56098	0.574814	0.91522	ENSMUSG0 CAAA01077
ENSMUSG0	145.6265	0.132982	0.237071	0.560939	0.574839	0.91522	ENSMUSG0 Zfp781
ENSMUSG0	603.9189	-0.08978	0.160077	-0.56087	0.574888	0.91522	ENSMUSG0 Mtif2
ENSMUSG0	2351.076	-0.16061	0.28636	-0.56086	0.574894	0.91522	ENSMUSG0 Pcmt1
ENSMUSG0	972.9073	-0.07469	0.133194	-0.56076	0.574962	0.91522	ENSMUSG0 Lta4h
ENSMUSG0	523.3822	0.092933	0.165727	0.560758	0.574963	0.91522	ENSMUSG0 Ctps
ENSMUSG0	330.8926	0.128993	0.230093	0.560614	0.575061	0.91522	ENSMUSG0 Tsen15
ENSMUSG0	1259.844	0.163619	0.291916	0.560499	0.575139	0.91522	ENSMUSG0 Slc38a5
ENSMUSG0	7.676023	-0.41741	0.744733	-0.56049	0.575148	0.91522	ENSMUSG0 Ccdc146
ENSMUSG0	266.8291	0.151521	0.270371	0.56042	0.575193	0.91522	ENSMUSG0 Styx
ENSMUSG0	17.48643	0.358911	0.640479	0.560378	0.575222	0.91522	ENSMUSG0 D930020B1
ENSMUSG0	1210.225	-0.17053	0.304471	-0.56009	0.575415	0.91522	ENSMUSG0 S100a1
ENSMUSG0	1093.944	0.424637	0.7582	0.56006	0.575438	0.91522	ENSMUSG0 Rac2

ENSMUSG0	786.2516	-0.19102	0.341106	-0.55999	0.575487	0.91522	ENSMUSG0 Dnttip2
ENSMUSG0	353.754	0.189335	0.338119	0.559967	0.575502	0.91522	ENSMUSG0 Ammecr1l
ENSMUSG0	1083.767	-0.10292	0.183805	-0.55993	0.575528	0.91522	ENSMUSG0 Clpp
ENSMUSG0	337.6792	0.202538	0.361738	0.559902	0.575547	0.91522	ENSMUSG0 Cybb
ENSMUSG0	1428.344	-0.07319	0.130735	-0.55985	0.575583	0.91522	ENSMUSG0 Vps35l
ENSMUSG0	357.1294	0.137036	0.244779	0.559837	0.575591	0.91522	ENSMUSG0 Mosmo
ENSMUSG0	6.535153	0.310694	0.555004	0.559805	0.575612	0.91522	ENSMUSG0 Gm15280
ENSMUSG0	1175.37	-0.13247	0.236674	-0.55973	0.575662	0.91522	ENSMUSG0 Txndc9
ENSMUSG0	644.3435	-0.07842	0.140146	-0.55959	0.575757	0.91522	ENSMUSG0 Zcchc8
ENSMUSG0	7976.376	-0.17549	0.31361	-0.55958	0.575766	0.91522	ENSMUSG0 Gfpt1
ENSMUSG0	959.9537	0.11222	0.200551	0.559557	0.575781	0.91522	ENSMUSG0 Appl1
ENSMUSG0	454.3427	-0.14809	0.264771	-0.55933	0.575937	0.91522	ENSMUSG0 Glrx2
ENSMUSG0	204.5173	-0.29977	0.535979	-0.5593	0.575958	0.91522	ENSMUSG0 Ifit3
ENSMUSG0	15.08649	0.266284	0.47613	0.559267	0.575979	0.91522	ENSMUSG0 Timp1
ENSMUSG0	102.7824	-0.18105	0.323751	-0.55924	0.575998	0.91522	ENSMUSG0 Mcub
ENSMUSG0	1806.082	0.081855	0.146375	0.559216	0.576014	0.91522	ENSMUSG0 C77080
ENSMUSG0	676.9416	0.155154	0.277463	0.559189	0.576033	0.91522	ENSMUSG0 2610001J0!
ENSMUSG0	8.229633	-0.37763	0.675733	-0.55884	0.576268	0.915452	ENSMUSG0 Gm37935
ENSMUSG0	19.50159	0.326202	0.583718	0.558835	0.576274	0.915452	ENSMUSG0 Pcdhb1
ENSMUSG0	219.7699	-0.17	0.304315	-0.55865	0.576402	0.91558	ENSMUSG0 Zfp946
ENSMUSG0	356.0072	-0.20785	0.372117	-0.55856	0.57646	0.915596	ENSMUSG0 Slirp
ENSMUSG0	148.5174	0.169146	0.302962	0.558308	0.576634	0.915597	ENSMUSG0 Tarbp1
ENSMUSG0	1242.992	-0.05901	0.105707	-0.5582	0.576705	0.915597	ENSMUSG0 Fam171a1
ENSMUSG0	4.60564	0.551221	0.987506	0.558196	0.576711	0.915597	ENSMUSG0 H19
ENSMUSG0	575.2812	-0.11927	0.213722	-0.55805	0.57681	0.915597	ENSMUSG0 Prpf38a
ENSMUSG0	621.4159	-0.09044	0.162071	-0.55805	0.576811	0.915597	ENSMUSG0 Fbxw4
ENSMUSG0	181.2236	0.151088	0.270748	0.558038	0.576819	0.915597	ENSMUSG0 Fgd5
ENSMUSG0	551.1022	-0.10542	0.188923	-0.55798	0.576856	0.915597	ENSMUSG0 Jarid2
ENSMUSG0	6246.199	-0.15508	0.277933	-0.55796	0.57687	0.915597	ENSMUSG0 Rpl35
ENSMUSG0	528.0691	-0.17659	0.316498	-0.55793	0.576889	0.915597	ENSMUSG0 Pag1
ENSMUSG0	1371.471	0.125672	0.225446	0.557438	0.577228	0.915941	ENSMUSG0 Ift57
ENSMUSG0	541.6509	-0.12686	0.227576	-0.55742	0.577237	0.915941	ENSMUSG0 D6Wsu163
ENSMUSG0	3034.538	0.09943	0.17838	0.557408	0.577248	0.915941	ENSMUSG0 Grk2
ENSMUSG0	214.6227	0.169907	0.304907	0.557242	0.577362	0.916046	ENSMUSG0 Pcdh17
ENSMUSG0	2457.137	-0.13165	0.236285	-0.55716	0.577417	0.916058	ENSMUSG0 Uaca
ENSMUSG0	449.7306	-0.12855	0.230793	-0.55697	0.577546	0.916114	ENSMUSG0 Ctif
ENSMUSG0	3610.015	0.128043	0.229892	0.55697	0.577548	0.916114	ENSMUSG0 Tnks2
ENSMUSG0	1318.806	-0.13274	0.238446	-0.55667	0.577751	0.916145	ENSMUSG0 Aig1
ENSMUSG0	38.97365	-0.1769	0.317815	-0.55661	0.577793	0.916145	ENSMUSG0 Gm49937
ENSMUSG0	1643.77	0.143998	0.258709	0.556601	0.5778	0.916145	ENSMUSG0 Cystm1
ENSMUSG0	826.9389	-0.12024	0.21603	-0.5566	0.577801	0.916145	ENSMUSG0 Wdr61
ENSMUSG0	3.752033	-0.43751	0.786056	-0.55659	0.577806	0.916145	ENSMUSG0 Gm44065
ENSMUSG0	203.5847	0.188687	0.33917	0.556321	0.577992	0.916364	ENSMUSG0 Zkscan2
ENSMUSG0	7.396782	-0.43641	0.784571	-0.55624	0.578048	0.916379	ENSMUSG0 Prox2os
ENSMUSG0	6.9903	-0.38916	0.700178	-0.55581	0.578344	0.916608	ENSMUSG0 AC135859.:
ENSMUSG0	364.5127	-0.12754	0.229503	-0.55574	0.578389	0.916608	ENSMUSG0 Cited4
ENSMUSG0	787.7312	-0.09889	0.177959	-0.5557	0.578414	0.916608	ENSMUSG0 Jkamp
ENSMUSG0	11.53966	0.444223	0.799545	0.555595	0.578488	0.916608	ENSMUSG0 Pcdh20
ENSMUSG0	5.76333	-0.44911	0.808402	-0.55556	0.578514	0.916608	ENSMUSG0 Gm49376
ENSMUSG0	3.698421	0.530036	0.954072	0.555551	0.578518	0.916608	ENSMUSG0 Rpl6l
ENSMUSG0	107.7184	-0.1689	0.304027	-0.55554	0.578526	0.916608	ENSMUSG0 Rbfox3
ENSMUSG0	10.37236	-0.32592	0.586798	-0.55542	0.578609	0.916663	ENSMUSG0 4930509G2

ENSMUSG0	66.06612	0.215383	0.387962	0.555166	0.578781	0.916791	ENSMUSG0	Pcdhga1
ENSMUSG0	7.27927	-0.36194	0.651953	-0.55516	0.578785	0.916791	ENSMUSG0	Nrn1l
ENSMUSG0	8.119313	-0.36055	0.649583	-0.55505	0.57886	0.916832	ENSMUSG0	Kcnj13
ENSMUSG0	609.2058	-0.0995	0.179285	-0.55498	0.578906	0.916832	ENSMUSG0	Cdkn2aipnl
ENSMUSG0	1040.907	-0.09287	0.167406	-0.55474	0.579073	0.916955	ENSMUSG0	Zfp523
ENSMUSG0	310.0939	-0.1598	0.288105	-0.55467	0.579122	0.916955	ENSMUSG0	Abhd18
ENSMUSG0	718.0352	0.079786	0.143846	0.55466	0.579127	0.916955	ENSMUSG0	Gipc1
ENSMUSG0	136.4974	0.175927	0.317379	0.55431	0.579367	0.917259	ENSMUSG0	Fut4
ENSMUSG0	647.693	0.106685	0.192535	0.554107	0.579506	0.917332	ENSMUSG0	Ctnnd2
ENSMUSG0	1158.804	0.103776	0.187286	0.554104	0.579508	0.917332	ENSMUSG0	Kpna6
ENSMUSG0	718.9121	-0.09254	0.167048	-0.55397	0.579602	0.917394	ENSMUSG0	Map11
ENSMUSG0	19.18584	0.314897	0.568647	0.553766	0.579739	0.917394	ENSMUSG0	Gm49774
ENSMUSG0	300.0306	0.32571	0.588226	0.553716	0.579773	0.917394	ENSMUSG0	Plbd1
ENSMUSG0	33.28497	0.216177	0.390475	0.553627	0.579834	0.917394	ENSMUSG0	C230037L1
ENSMUSG0	5.959019	-0.44922	0.811464	-0.55359	0.579862	0.917394	ENSMUSG0	Gm16035
ENSMUSG0	6793.326	-0.12366	0.223391	-0.55357	0.579876	0.917394	ENSMUSG0	Twsg1
ENSMUSG0	1667.583	-0.10316	0.186364	-0.55356	0.579881	0.917394	ENSMUSG0	Dnajc14
ENSMUSG0	7.098345	0.426297	0.770211	0.553481	0.579934	0.917402	ENSMUSG0	Gm49335
ENSMUSG0	39.24106	-0.24761	0.447461	-0.55337	0.58001	0.917411	ENSMUSG0	Ggn
ENSMUSG0	19.22073	-0.30326	0.548095	-0.55331	0.580053	0.917411	ENSMUSG0	Gm49077
ENSMUSG0	1356.251	0.094144	0.170161	0.553264	0.580083	0.917411	ENSMUSG0	Coro1c
ENSMUSG0	300.8042	-0.1337	0.241741	-0.55309	0.580204	0.917426	ENSMUSG0	Bcorl1
ENSMUSG0	3184.3	-0.203	0.367186	-0.55287	0.580355	0.917426	ENSMUSG0	Rps23
ENSMUSG0	13.47895	-0.3258	0.58946	-0.55272	0.580457	0.917426	ENSMUSG0	Rtn4r
ENSMUSG0	697.6717	0.11728	0.212223	0.552627	0.580519	0.917426	ENSMUSG0	Plin2
ENSMUSG0	20.554	0.273816	0.495482	0.552626	0.58052	0.917426	ENSMUSG0	A930006K0
ENSMUSG0	14.22063	-0.24405	0.441646	-0.5526	0.580541	0.917426	ENSMUSG0	Hoxb3os
ENSMUSG0	970.6116	-0.09995	0.180908	-0.55249	0.580611	0.917426	ENSMUSG0	Ap1m1
ENSMUSG0	1463.501	-0.10182	0.184366	-0.55229	0.580748	0.917426	ENSMUSG0	Ulk1
ENSMUSG0	77.89568	-0.14393	0.260639	-0.55222	0.580798	0.917426	ENSMUSG0	Atp8b5
ENSMUSG0	62.83173	0.594712	1.077023	0.552181	0.580824	0.917426	ENSMUSG0	Igkv1-117
ENSMUSG0	521.846	-0.12013	0.217567	-0.55215	0.580847	0.917426	ENSMUSG0	Crtap
ENSMUSG0	4.230155	0.567291	1.027494	0.552111	0.580872	0.917426	ENSMUSG0	Gm40634
ENSMUSG0	10.10775	-0.63893	1.157303	-0.55208	0.580892	0.917426	ENSMUSG0	Prg3
ENSMUSG0	61.60185	0.18742	0.339515	0.552024	0.580932	0.917426	ENSMUSG0	E430024I08
ENSMUSG0	11.51515	0.622957	1.128562	0.551992	0.580954	0.917426	ENSMUSG0	Ptprv
ENSMUSG0	95.18074	0.160203	0.290251	0.551946	0.580986	0.917426	ENSMUSG0	Zfp607a
ENSMUSG0	466.824	0.105585	0.19141	0.551618	0.58121	0.917426	ENSMUSG0	Tnfrsf21
ENSMUSG0	690.577	-0.13828	0.250711	-0.55155	0.581258	0.917426	ENSMUSG0	Lamtor5
ENSMUSG0	2928.664	0.080053	0.145143	0.551546	0.581259	0.917426	ENSMUSG0	Arsb
ENSMUSG0	112.5614	0.151399	0.274526	0.551492	0.581296	0.917426	ENSMUSG0	Cep152
ENSMUSG0	2434.965	-0.09388	0.170324	-0.55117	0.581519	0.917426	ENSMUSG0	Acadvl
ENSMUSG0	2179.926	0.097193	0.176341	0.551163	0.581522	0.917426	ENSMUSG0	Dhx15
ENSMUSG0	3.077356	-0.73357	1.331	-0.55114	0.581539	0.917426	ENSMUSG0	1700016J18
ENSMUSG0	701.7648	0.164646	0.298751	0.551113	0.581556	0.917426	ENSMUSG0	Qk
ENSMUSG0	50.94326	-0.18235	0.330916	-0.55103	0.581611	0.917426	ENSMUSG0	Ccl3
ENSMUSG0	1096.373	0.071296	0.129393	0.551003	0.581631	0.917426	ENSMUSG0	Usp11
ENSMUSG0	427.8512	-0.139	0.252272	-0.55098	0.581645	0.917426	ENSMUSG0	Tsfm
ENSMUSG0	7.585242	0.448873	0.814786	0.550908	0.581696	0.917426	ENSMUSG0	Snai3
ENSMUSG0	5.441622	0.610532	1.108377	0.550835	0.581747	0.917426	ENSMUSG0	Dnah17
ENSMUSG0	468.8743	-0.15632	0.283799	-0.55082	0.581756	0.917426	ENSMUSG0	Med11
ENSMUSG0	1448.231	-0.07604	0.138066	-0.55078	0.581788	0.917426	ENSMUSG0	Rnf4

ENSMUSG0	1191.549	-0.08406	0.152656	-0.55065	0.581875	0.917426	ENSMUSG0 Wdr77
ENSMUSG0	3.70668	0.444675	0.8076	0.550613	0.581899	0.917426	ENSMUSG0 Ap2m1-ps
ENSMUSG0	137.3446	0.253161	0.459948	0.550412	0.582037	0.917426	ENSMUSG0 Lax1
ENSMUSG0	2903.43	-0.11128	0.202218	-0.55028	0.582127	0.917426	ENSMUSG0 Safb
ENSMUSG0	19.90135	0.446918	0.812208	0.55025	0.582148	0.917426	ENSMUSG0 Prf1
ENSMUSG0	2445.363	-0.08595	0.156215	-0.55023	0.582164	0.917426	ENSMUSG0 Dlst
ENSMUSG0	82.8026	0.297323	0.540528	0.550061	0.582277	0.917426	ENSMUSG0 Ovol1
ENSMUSG0	317.7679	-0.10047	0.182688	-0.54995	0.582356	0.917426	ENSMUSG0 Taf1b
ENSMUSG0	910.6766	-0.09343	0.169912	-0.54989	0.582395	0.917426	ENSMUSG0 Dock9
ENSMUSG0	24.44783	0.212879	0.38713	0.549889	0.582395	0.917426	ENSMUSG0 Omp
ENSMUSG0	700.3422	-0.09967	0.181362	-0.54959	0.582601	0.917426	ENSMUSG0 Nifk
ENSMUSG0	653.6155	0.119825	0.218039	0.549558	0.582622	0.917426	ENSMUSG0 Ralgapa2
ENSMUSG0	231.2612	0.123508	0.224746	0.549546	0.582631	0.917426	ENSMUSG0 Lpar6
ENSMUSG0	3091.277	-0.07661	0.139416	-0.54951	0.582652	0.917426	ENSMUSG0 Dnaja10
ENSMUSG0	838.6289	-0.098	0.178345	-0.54948	0.582679	0.917426	ENSMUSG0 Marveld3
ENSMUSG0	3378.278	-0.16364	0.297858	-0.54939	0.582737	0.917426	ENSMUSG0 Rock1
ENSMUSG0	13.64691	1.340232	2.440021	0.549271	0.58282	0.917426	ENSMUSG0 Pln
ENSMUSG0	580.3175	-0.08784	0.159961	-0.54914	0.582906	0.917426	ENSMUSG0 Gtf2ird2
ENSMUSG0	656.351	0.104506	0.190307	0.549143	0.582908	0.917426	ENSMUSG0 Cdkl2
ENSMUSG0	168.8114	-0.15648	0.285041	-0.54898	0.583018	0.917426	ENSMUSG0 Zbtb49
ENSMUSG0	176.9356	0.161332	0.293889	0.548955	0.583037	0.917426	ENSMUSG0 Ttll10
ENSMUSG0	196.1035	-0.11367	0.20709	-0.54889	0.583083	0.917426	ENSMUSG0 Zfp747
ENSMUSG0	25386.63	-0.10244	0.186647	-0.54884	0.583118	0.917426	ENSMUSG0 Rps2
ENSMUSG0	116.0026	0.15959	0.290808	0.548782	0.583155	0.917426	ENSMUSG0 Pask
ENSMUSG0	77.35396	-0.17675	0.322124	-0.54869	0.583219	0.917426	ENSMUSG0 Lekr1
ENSMUSG0	6.26066	0.350115	0.638141	0.548648	0.583247	0.917426	ENSMUSG0 H2bu1-ps
ENSMUSG0	62.13986	0.225744	0.411488	0.548606	0.583276	0.917426	ENSMUSG0 Fam129c
ENSMUSG0	646.4234	-0.12533	0.228463	-0.54859	0.58329	0.917426	ENSMUSG0 Inha
ENSMUSG0	187.9482	0.114553	0.208832	0.548541	0.583321	0.917426	ENSMUSG0 Amer1
ENSMUSG0	5663.845	-0.13479	0.245773	-0.54844	0.583391	0.917426	ENSMUSG0 Rpl36
ENSMUSG0	1118.539	-0.07104	0.129537	-0.5484	0.583419	0.917426	ENSMUSG0 Tmem38a
ENSMUSG0	62.0211	0.171536	0.312874	0.54826	0.583513	0.917426	ENSMUSG0 5430403G1
ENSMUSG0	817.6293	-0.07702	0.140491	-0.54821	0.583545	0.917426	ENSMUSG0 Szt2
ENSMUSG0	2244.871	0.158842	0.289745	0.548214	0.583545	0.917426	ENSMUSG0 Anp32e
ENSMUSG0	344.1862	-0.16534	0.301627	-0.54817	0.583578	0.917426	ENSMUSG0 Foxn2
ENSMUSG0	282.1877	-0.08588	0.156693	-0.54806	0.583648	0.917426	ENSMUSG0 Zfp692
ENSMUSG0	1103	-0.10382	0.189429	-0.54806	0.583649	0.917426	ENSMUSG0 Sirt7
ENSMUSG0	31.9828	-0.18458	0.336792	-0.54805	0.58366	0.917426	ENSMUSG0 Gm10134
ENSMUSG0	893.7679	-0.06198	0.113103	-0.54803	0.583672	0.917426	ENSMUSG0 Oxa1l
ENSMUSG0	7253.203	-0.10915	0.199192	-0.54798	0.583703	0.917426	ENSMUSG0 Hnrnp1
ENSMUSG0	422.4825	-0.12589	0.229728	-0.54798	0.583709	0.917426	ENSMUSG0 Zfp324
ENSMUSG0	307.1935	0.097084	0.17719	0.54791	0.583753	0.917426	ENSMUSG0 Rrp36
ENSMUSG0	1640.821	0.083655	0.152691	0.54787	0.583781	0.917426	ENSMUSG0 Klhdc3
ENSMUSG0	3.487405	-0.56626	1.033589	-0.54786	0.583791	0.917426	ENSMUSG0 Gm47392
ENSMUSG0	58.4837	0.205611	0.375303	0.547854	0.583792	0.917426	ENSMUSG0 Itga2b
ENSMUSG0	344.5453	-0.17748	0.32397	-0.54783	0.583812	0.917426	ENSMUSG0 Commd1b
ENSMUSG0	494.4291	-0.15757	0.287664	-0.54777	0.583852	0.917426	ENSMUSG0 Pdcd2
ENSMUSG0	737.7175	-0.1508	0.275307	-0.54775	0.583865	0.917426	ENSMUSG0 A430005L1
ENSMUSG0	387.6302	-0.10514	0.19199	-0.54761	0.583956	0.917426	ENSMUSG0 Ccp110
ENSMUSG0	17.0786	0.337245	0.615883	0.54758	0.583981	0.917426	ENSMUSG0 Pcdha7
ENSMUSG0	6.731961	0.623516	1.138922	0.547462	0.584061	0.917426	ENSMUSG0 Gm9866
ENSMUSG0	100.7793	0.155438	0.283952	0.54741	0.584097	0.917426	ENSMUSG0 Rab29

ENSMUSG0	679.7054	0.123452	0.225523	0.547403	0.584102	0.917426	ENSMUSG0 Usp1
ENSMUSG0	414.1655	-0.13055	0.238534	-0.54728	0.584184	0.917426	ENSMUSG0 Rev1
ENSMUSG0	324.5653	0.108022	0.197384	0.547269	0.584194	0.917426	ENSMUSG0 Tdp1
ENSMUSG0	393.8687	0.103201	0.188609	0.547166	0.584265	0.917462	ENSMUSG0 Kihl15
ENSMUSG0	264.929	-0.12048	0.220286	-0.54692	0.584433	0.917646	ENSMUSG0 Rdh10
ENSMUSG0	44.78038	-0.39119	0.715348	-0.54686	0.584477	0.917646	ENSMUSG0 Gm42566
ENSMUSG0	44.1907	-0.21296	0.389527	-0.54671	0.584577	0.917728	ENSMUSG0 Zfp968
ENSMUSG0	187.0031	0.157469	0.288109	0.546561	0.58468	0.917746	ENSMUSG0 Ifit1
ENSMUSG0	186.8156	0.122198	0.223602	0.546499	0.584723	0.917746	ENSMUSG0 Kihl23
ENSMUSG0	261.1011	0.072696	0.133041	0.546417	0.584779	0.917746	ENSMUSG0 Nol10
ENSMUSG0	7.091326	-0.44492	0.814399	-0.54632	0.584847	0.917778	ENSMUSG0 Gm45342
ENSMUSG0	3779.986	0.100296	0.183699	0.545979	0.58508	0.917902	ENSMUSG0 Atxn10
ENSMUSG0	59.33765	0.136559	0.25015	0.545908	0.585129	0.917902	ENSMUSG0 Gm42732
ENSMUSG0	104.9076	0.264752	0.48511	0.545756	0.585233	0.917902	ENSMUSG0 Gm9780
ENSMUSG0	200.3702	0.301595	0.552658	0.545716	0.585261	0.917902	ENSMUSG0 AW112010
ENSMUSG0	4.947921	-0.47843	0.876778	-0.54566	0.585297	0.917902	ENSMUSG06430710M1
ENSMUSG0	4230.553	-0.09959	0.182532	-0.54559	0.58535	0.917902	ENSMUSG0 Idh2
ENSMUSG0	32087.41	-0.13759	0.252217	-0.54552	0.585393	0.917902	ENSMUSG0 Meg3
ENSMUSG0	3471.352	-0.18614	0.341229	-0.5455	0.585407	0.917902	ENSMUSG0 mt-Atp8
ENSMUSG0	413.8614	0.194443	0.356449	0.545501	0.585409	0.917902	ENSMUSG0 Acbd4
ENSMUSG0	13720.94	0.143371	0.262854	0.545439	0.585451	0.917902	ENSMUSG0 Ptprn2
ENSMUSG0	11.33205	-0.36884	0.676349	-0.54534	0.585523	0.917939	ENSMUSG04930455G0
ENSMUSG0	824.2187	0.109594	0.201038	0.545144	0.585654	0.918071	ENSMUSG0 Pnpla6
ENSMUSG0	36.61349	0.371471	0.681593	0.545004	0.585751	0.918138	ENSMUSG0 Batf
ENSMUSG0	145.3591	-0.1333	0.244621	-0.54494	0.585793	0.918138	ENSMUSG0 Zfp963
ENSMUSG0	4.513774	0.60682	1.11405	0.544697	0.585962	0.91831	ENSMUSG0 Gm8188
ENSMUSG0	1038.748	-0.13892	0.255059	-0.54464	0.585998	0.91831	ENSMUSG0 Rbm47
ENSMUSG0	14.62504	0.390651	0.717498	0.544463	0.586123	0.918432	ENSMUSG0 Rnf125
ENSMUSG0	1590.899	-0.10809	0.198563	-0.54436	0.586193	0.918466	ENSMUSG0 Nbea
ENSMUSG0	380.2545	-0.22289	0.409838	-0.54385	0.586542	0.918757	ENSMUSG0 Pet100
ENSMUSG0	3.390884	0.501299	0.921817	0.543817	0.586568	0.918757	ENSMUSG0 Gm26714
ENSMUSG0	480.153	0.12121	0.22291	0.543759	0.586607	0.918757	ENSMUSG0 Smurf1
ENSMUSG0	615.1393	0.173939	0.319886	0.543755	0.58661	0.918757	ENSMUSG0 Scn3a
ENSMUSG0	446.1063	0.071332	0.131187	0.543744	0.586617	0.918757	ENSMUSG0 Tex10
ENSMUSG0	1409.316	-0.159	0.292478	-0.54363	0.586698	0.918758	ENSMUSG0 Cdc73
ENSMUSG0	122.051	0.805631	1.482016	0.543604	0.586714	0.918758	ENSMUSG0 Ighv11-2
ENSMUSG0	7.141255	-0.33255	0.611863	-0.5435	0.586782	0.918791	ENSMUSG06330415B2
ENSMUSG0	304.4487	-0.08347	0.153636	-0.54332	0.586908	0.91889	ENSMUSG0 Rpusd4
ENSMUSG0	547.1028	-0.09748	0.179454	-0.54322	0.586978	0.91889	ENSMUSG0 Elovl1
ENSMUSG0	19.051	0.206737	0.380587	0.543205	0.586989	0.91889	ENSMUSG0 Iqcd
ENSMUSG0	644.3151	0.119592	0.220199	0.543109	0.587055	0.918909	ENSMUSG0 Nkiras1
ENSMUSG0	26.76367	0.432822	0.797023	0.543048	0.587097	0.918909	ENSMUSG0 Tmem171
ENSMUSG0	8.3846	0.419561	0.772923	0.542824	0.587251	0.919076	ENSMUSG0 Hfm1
ENSMUSG0	174.6062	-0.18064	0.332922	-0.54259	0.587416	0.919119	ENSMUSG02310034G0
ENSMUSG0	988.7049	-0.19139	0.352745	-0.54258	0.587418	0.919119	ENSMUSG0 Nrtn
ENSMUSG0	7.732473	0.462246	0.851947	0.542576	0.587422	0.919119	ENSMUSG0 Gm49329
ENSMUSG0	1324.476	-0.12887	0.237617	-0.54235	0.587574	0.919206	ENSMUSG0 Ppip5k1
ENSMUSG0	100.6166	0.135148	0.249228	0.542266	0.587635	0.919206	ENSMUSG0 Pcdh12
ENSMUSG0	3.740489	-0.47835	0.882395	-0.5421	0.587747	0.919206	ENSMUSG0 Gm46440
ENSMUSG0	3.705389	0.650404	1.200065	0.541974	0.587837	0.919206	ENSMUSG0 Itih5l-ps
ENSMUSG0	9.5738	0.407113	0.751216	0.541938	0.587861	0.919206	ENSMUSG0 Pappa
ENSMUSG0	58.44464	-0.15309	0.282509	-0.54191	0.587882	0.919206	ENSMUSG0 Gm10657

ENSMUSG0	667.3051	-0.07499	0.13838	-0.54189	0.587893	0.919206	ENSMUSG0	Polr3c
ENSMUSG0	2904.792	-0.10185	0.187971	-0.54185	0.587925	0.919206	ENSMUSG0	Gm16286
ENSMUSG0	2.947972	-0.58526	1.080233	-0.54179	0.587961	0.919206	ENSMUSG0	Snora73a
ENSMUSG0	394.1978	-0.10513	0.194064	-0.54175	0.587994	0.919206	ENSMUSG0	Tmtc4
ENSMUSG0	34.46403	-0.34453	0.635982	-0.54173	0.588003	0.919206	ENSMUSG0	Gm38340
ENSMUSG0	2285.448	-0.09504	0.175456	-0.54166	0.588055	0.919213	ENSMUSG0	Cbx3
ENSMUSG0	509.9012	-0.14127	0.260904	-0.54146	0.588189	0.919347	ENSMUSG0	Stat2
ENSMUSG0	1928	0.122277	0.225916	0.541251	0.588334	0.919464	ENSMUSG0	Fxr1
ENSMUSG0	2267.268	0.101664	0.187844	0.541215	0.588359	0.919464	ENSMUSG0	Ube4b
ENSMUSG0	521.7436	-0.15567	0.287908	-0.54069	0.588721	0.91992	ENSMUSG0	Sprtn
ENSMUSG0	704.5817	-0.16501	0.305204	-0.54065	0.588747	0.91992	ENSMUSG0	1110032A0
ENSMUSG0	3.462883	-0.58906	1.089866	-0.54049	0.588858	0.919981	ENSMUSG0	Gm43112
ENSMUSG0	180.7329	0.214591	0.397122	0.540365	0.588945	0.919981	ENSMUSG0	Pcdhga10
ENSMUSG0	3093.997	-0.10862	0.201015	-0.54035	0.588957	0.919981	ENSMUSG0	Eif4ebp2
ENSMUSG0	30.75466	0.161543	0.299009	0.54026	0.589017	0.919981	ENSMUSG0	Tigd3
ENSMUSG0	4.801096	0.439374	0.813363	0.540194	0.589063	0.919981	ENSMUSG0	Gm16141
ENSMUSG0	1137.212	-0.10728	0.198625	-0.5401	0.589128	0.919981	ENSMUSG0	Mrps23
ENSMUSG0	28.30557	-0.19056	0.352954	-0.5399	0.589264	0.919981	ENSMUSG0	Cenph
ENSMUSG0	593.2533	0.120123	0.222497	0.539886	0.589276	0.919981	ENSMUSG0	Numb
ENSMUSG0	3391.362	0.149842	0.277552	0.539869	0.589288	0.919981	ENSMUSG0	Cct6a
ENSMUSG0	1309.185	0.083121	0.153975	0.539837	0.589309	0.919981	ENSMUSG0	Irgq
ENSMUSG0	3.750192	-0.48127	0.89151	-0.53983	0.589312	0.919981	ENSMUSG0	Gm44704
ENSMUSG0	6.916655	-0.54322	1.006882	-0.53951	0.589534	0.920199	ENSMUSG0	Klrg1
ENSMUSG0	663.571	0.073617	0.136476	0.539416	0.5896	0.920199	ENSMUSG0	Fam214b
ENSMUSG0	419.1583	0.116369	0.215799	0.539247	0.589716	0.920199	ENSMUSG0	Borcs8
ENSMUSG0	228.1459	0.11796	0.218784	0.539163	0.589774	0.920199	ENSMUSG0	Snopc3
ENSMUSG0	3.431529	0.533012	0.988867	0.539012	0.589878	0.920199	ENSMUSG0	Gm5620
ENSMUSG0	828.5049	-0.1372	0.254595	-0.53891	0.589947	0.920199	ENSMUSG0	Dctn6
ENSMUSG0	3.451953	0.474533	0.880617	0.538864	0.589981	0.920199	ENSMUSG0	Gm4598
ENSMUSG0	5.166593	0.419583	0.778757	0.538786	0.590034	0.920199	ENSMUSG0	Gm9694
ENSMUSG0	16.18653	-0.27595	0.512212	-0.53874	0.590064	0.920199	ENSMUSG0	Gm43815
ENSMUSG0	889.0945	0.109552	0.203396	0.538614	0.590153	0.920199	ENSMUSG0	Eif1a
ENSMUSG0	1594.912	-0.09994	0.185568	-0.53857	0.590184	0.920199	ENSMUSG0	Bet1l
ENSMUSG0	4.72356	-0.48925	0.908603	-0.53846	0.590259	0.920199	ENSMUSG0	Gm7278
ENSMUSG0	74.96856	0.280304	0.520604	0.538421	0.590286	0.920199	ENSMUSG0	Ppp1r14a
ENSMUSG0	3.797535	0.436816	0.811319	0.538403	0.590299	0.920199	ENSMUSG0	Pifo
ENSMUSG0	1235.542	0.108606	0.201731	0.538372	0.59032	0.920199	ENSMUSG0	Impdh2
ENSMUSG0	120.1179	-0.16083	0.298743	-0.53835	0.590336	0.920199	ENSMUSG0	0610009L1
ENSMUSG0	253.6527	-0.21134	0.392599	-0.5383	0.590369	0.920199	ENSMUSG0	Smim26
ENSMUSG0	271.8924	-0.14136	0.26267	-0.53817	0.590459	0.920199	ENSMUSG0	Ap1s3
ENSMUSG0	33.4115	0.192949	0.358607	0.538051	0.590542	0.920199	ENSMUSG0	Gm41760
ENSMUSG0	3882.542	-0.06868	0.127668	-0.53796	0.590603	0.920199	ENSMUSG0	M6pr
ENSMUSG0	321.0342	0.107941	0.200661	0.537931	0.590625	0.920199	ENSMUSG0	Zc3hc1
ENSMUSG0	279.8644	0.156934	0.291764	0.537879	0.590661	0.920199	ENSMUSG0	Tbc1d32
ENSMUSG0	6.93495	0.333013	0.619127	0.537876	0.590663	0.920199	ENSMUSG0	Gm43966
ENSMUSG0	1046.273	0.141055	0.262255	0.537855	0.590677	0.920199	ENSMUSG0	Mgat4b
ENSMUSG0	14919.81	-0.14519	0.269993	-0.53775	0.590747	0.920199	ENSMUSG0	Rpl7
ENSMUSG0	285.1905	-0.26572	0.494198	-0.53768	0.590801	0.920199	ENSMUSG0	Ctla2a
ENSMUSG0	62.54103	-0.14106	0.262397	-0.53759	0.590864	0.920199	ENSMUSG0	Inca1
ENSMUSG0	379.1478	0.127144	0.236547	0.537499	0.590923	0.920199	ENSMUSG0	Zfp618
ENSMUSG0	294.7003	0.148902	0.277129	0.5373	0.59106	0.920199	ENSMUSG0	Mfsd4b4
ENSMUSG0	29.20537	-0.30302	0.564049	-0.53722	0.591117	0.920199	ENSMUSG0	Gm10557

ENSMUSG0	1466.535	-0.09599	0.178679	-0.53719	0.591133	0.920199	ENSMUSG0 Ypel5
ENSMUSG0	3.925805	-0.50047	0.93194	-0.53702	0.591257	0.920199	ENSMUSG0 Asgr1
ENSMUSG0	6.304365	0.381117	0.709708	0.537006	0.591264	0.920199	ENSMUSG0A430093F1
ENSMUSG0	5.045102	-0.39556	0.736725	-0.53692	0.591321	0.920199	ENSMUSG0 Pinlyp
ENSMUSG0	1857.839	-0.19822	0.369278	-0.53677	0.591425	0.920199	ENSMUSG0 Uqcrb
ENSMUSG0	248.0942	-0.09072	0.169013	-0.53677	0.591428	0.920199	ENSMUSG0 Gsap
ENSMUSG0	3373.538	-0.09724	0.181174	-0.53671	0.591471	0.920199	ENSMUSG02610507B1
ENSMUSG0	410.1931	0.111751	0.208294	0.536505	0.591609	0.920199	ENSMUSG0 Rasa2
ENSMUSG0	3913.841	-0.12851	0.239548	-0.53646	0.591644	0.920199	ENSMUSG0 Kif1b
ENSMUSG0	11.5751	0.405343	0.755602	0.53645	0.591647	0.920199	ENSMUSG0 Gm30054
ENSMUSG0	385.0321	-0.13302	0.247976	-0.53643	0.591659	0.920199	ENSMUSG0 Itpkc
ENSMUSG0	62.38489	-0.15072	0.281007	-0.53636	0.591707	0.920199	ENSMUSG0 Rhebl1
ENSMUSG0	285.5271	-0.21182	0.395009	-0.53623	0.591797	0.920199	ENSMUSG0 Unc5c
ENSMUSG0	4672.782	-0.16281	0.303647	-0.53619	0.591825	0.920199	ENSMUSG0 Cox6a1
ENSMUSG0	47.70564	0.197423	0.3682	0.536183	0.591832	0.920199	ENSMUSG0 Kif4
ENSMUSG0	220.3245	0.154124	0.287469	0.53614	0.591862	0.920199	ENSMUSG0 Uevld
ENSMUSG0	796.6067	0.105218	0.196293	0.536024	0.591942	0.920199	ENSMUSG0 Jak2
ENSMUSG0	2165.443	-0.15555	0.290207	-0.536	0.591961	0.920199	ENSMUSG0 Akap9
ENSMUSG0	3.741453	-0.56501	1.054212	-0.53595	0.591992	0.920199	ENSMUSG0 Gm31045
ENSMUSG0	10.89992	0.365288	0.68157	0.535951	0.591993	0.920199	ENSMUSG0 Gm37653
ENSMUSG0	6800.389	-0.1308	0.244118	-0.53579	0.592103	0.920199	ENSMUSG0 Rps16
ENSMUSG0	763.4536	0.083972	0.156729	0.535781	0.59211	0.920199	ENSMUSG0 Cog2
ENSMUSG0	2724.982	0.139521	0.260417	0.535759	0.592125	0.920199	ENSMUSG0 Tpr
ENSMUSG0	1079.433	-0.07048	0.1316	-0.53557	0.592254	0.920199	ENSMUSG0 Ppil2
ENSMUSG0	2020.129	-0.14144	0.264109	-0.53553	0.592282	0.920199	ENSMUSG0 Nfasc
ENSMUSG0	247.7691	0.185961	0.347245	0.535531	0.592283	0.920199	ENSMUSG0 Mfng
ENSMUSG0	1100.849	0.093908	0.175367	0.535498	0.592306	0.920199	ENSMUSG0 Arf6
ENSMUSG0	4767.021	-0.14232	0.265814	-0.5354	0.592374	0.920199	ENSMUSG0 Gabarapl2
ENSMUSG0	38.76357	0.259253	0.484226	0.535396	0.592376	0.920199	ENSMUSG0 Nlrc4
ENSMUSG0	21.02246	-0.19875	0.371227	-0.53538	0.592387	0.920199	ENSMUSG09130230NC
ENSMUSG0	728.9449	0.086747	0.162063	0.535271	0.592463	0.920199	ENSMUSG0 Sfxn3
ENSMUSG0	1299.972	-0.09711	0.181429	-0.53527	0.592465	0.920199	ENSMUSG0 Letm1
ENSMUSG0	3.98864	-0.4187	0.782545	-0.53506	0.592612	0.92029	ENSMUSG09530036O1
ENSMUSG0	8793.837	0.455695	0.851696	0.535044	0.59262	0.92029	ENSMUSG0 Ighm
ENSMUSG0	762.843	-0.11794	0.220502	-0.53488	0.592735	0.920342	ENSMUSG0 Sap130
ENSMUSG0	11068.82	-0.1375	0.257118	-0.53477	0.592808	0.920342	ENSMUSG0 Gm10275
ENSMUSG0	3573.346	0.098843	0.184903	0.534565	0.592951	0.920342	ENSMUSG0 Pdk1
ENSMUSG0	1097.071	-0.08861	0.165778	-0.53453	0.592975	0.920342	ENSMUSG0 Abhd13
ENSMUSG0	8.543359	-0.45848	0.857942	-0.5344	0.593068	0.920342	ENSMUSG0 Gm47138
ENSMUSG0	232.8789	0.163224	0.305457	0.534359	0.593093	0.920342	ENSMUSG0 Tesc
ENSMUSG0	3.861227	-0.51014	0.954801	-0.53429	0.59314	0.920342	ENSMUSG0 Gm10849
ENSMUSG0	15311.28	-0.16858	0.315541	-0.53425	0.593167	0.920342	ENSMUSG0 Cltrn
ENSMUSG0	1142.769	-0.12157	0.22755	-0.53425	0.593172	0.920342	ENSMUSG0 Nol4
ENSMUSG0	154.5707	-0.11932	0.223371	-0.53418	0.593215	0.920342	ENSMUSG0 Mterf2
ENSMUSG0	23.85264	0.27173	0.508689	0.534178	0.593218	0.920342	ENSMUSG0 Gm44148
ENSMUSG0	1116.018	-0.0891	0.166811	-0.53416	0.593233	0.920342	ENSMUSG0 Usp12
ENSMUSG0	1368.113	-0.14793	0.277002	-0.53405	0.593306	0.920342	ENSMUSG0 Kihl24
ENSMUSG0	12.48145	0.276913	0.518722	0.533837	0.593454	0.920342	ENSMUSG0 Gm45311
ENSMUSG0	3224.985	-0.16248	0.304417	-0.53373	0.593531	0.920342	ENSMUSG0 Sub1
ENSMUSG0	124.925	0.201244	0.377087	0.53368	0.593563	0.920342	ENSMUSG0 Zfp433
ENSMUSG0	73.90852	0.159286	0.298487	0.533645	0.593587	0.920342	ENSMUSG0 Samd5
ENSMUSG0	30.9327	-0.23895	0.447801	-0.5336	0.593617	0.920342	ENSMUSG0 Gm41349

ENSMUSG0	1601.463	-0.07586	0.142166	-0.53357	0.593641	0.920342	ENSMUSG0 Pnrc2
ENSMUSG0	6.534185	0.535829	1.004254	0.533559	0.593647	0.920342	ENSMUSG0 Gm9465
ENSMUSG0	10.23915	-0.37678	0.706192	-0.53354	0.59366	0.920342	ENSMUSG0 Cdk15
ENSMUSG0	203.7198	-0.13343	0.250138	-0.53341	0.593747	0.920342	ENSMUSG0 Gcfc2
ENSMUSG0	7358.867	-0.12873	0.24146	-0.53313	0.593946	0.920342	ENSMUSG0 Kif5b
ENSMUSG0	6.867968	-0.30669	0.575378	-0.53302	0.594017	0.920342	ENSMUSG0 Gm8172
ENSMUSG0	463.1679	-0.07006	0.131449	-0.53302	0.594021	0.920342	ENSMUSG0 Zfand2b
ENSMUSG0	21.97016	-0.30166	0.566021	-0.53295	0.594066	0.920342	ENSMUSG0 Gm15987
ENSMUSG0	427.1625	0.255083	0.478675	0.532895	0.594106	0.920342	ENSMUSG0 Pou2f2
ENSMUSG0	9.065012	0.375206	0.70423	0.532788	0.59418	0.920342	ENSMUSG0 Gm44891
ENSMUSG0	22.17264	-0.42705	0.80158	-0.53275	0.594204	0.920342	ENSMUSG0 Hif3a
ENSMUSG0	5.821768	-0.47286	0.887645	-0.53271	0.594235	0.920342	ENSMUSG02610017A0
ENSMUSG0	248.4172	0.129558	0.24321	0.532699	0.594242	0.920342	ENSMUSG0 Zfp961
ENSMUSG0	3.390655	-0.44611	0.837587	-0.53261	0.594301	0.920342	ENSMUSG0 Gm26766
ENSMUSG0	35.80699	-0.29028	0.545131	-0.5325	0.594378	0.920342	ENSMUSG0 Lilr4b
ENSMUSG0	265.9419	-0.15374	0.28881	-0.53231	0.594514	0.920342	ENSMUSG0 Dyrk3
ENSMUSG0	32.09508	-0.247	0.464093	-0.53221	0.594578	0.920342	ENSMUSG0 Zfp382
ENSMUSG0	364.3585	-0.11829	0.222273	-0.53218	0.594602	0.920342	ENSMUSG0 Coq7
ENSMUSG0	184.6132	0.128632	0.241718	0.532155	0.594619	0.920342	ENSMUSG0 Tnfsf10
ENSMUSG0	2072.973	-0.13186	0.247845	-0.53204	0.594695	0.920342	ENSMUSG0 Aga
ENSMUSG0	217.0951	-0.13177	0.247719	-0.53191	0.594786	0.920342	ENSMUSG0 Timm21
ENSMUSG0	236.5002	0.091914	0.17282	0.531846	0.594833	0.920342	ENSMUSG0 Ttc30a1
ENSMUSG0	1605.737	-0.11745	0.220852	-0.53179	0.594874	0.920342	ENSMUSG0 Map7
ENSMUSG0	3.711782	0.473331	0.890122	0.53176	0.594892	0.920342	ENSMUSG0 Gm49092
ENSMUSG0	671.0795	-0.11504	0.216361	-0.53172	0.59492	0.920342	ENSMUSG0 Nfrkb
ENSMUSG0	29.38529	0.261381	0.491618	0.531675	0.594951	0.920342	ENSMUSG0 Gm9403
ENSMUSG0	1597.127	-0.14983	0.281799	-0.53167	0.594952	0.920342	ENSMUSG0 Mpnd
ENSMUSG0	358.5242	-0.11237	0.211368	-0.53165	0.594967	0.920342	ENSMUSG0 Pigh
ENSMUSG0	388.5206	0.077666	0.14609	0.531628	0.594983	0.920342	ENSMUSG0 Toe1
ENSMUSG0	1020.874	-0.09652	0.181571	-0.53158	0.595018	0.920342	ENSMUSG0 Commd9
ENSMUSG0	96.7763	-0.21953	0.413029	-0.5315	0.595069	0.920342	ENSMUSG0 Gm16315
ENSMUSG0	343.8049	-0.1778	0.334547	-0.53147	0.59509	0.920342	ENSMUSG0 Lime1
ENSMUSG0	39869.98	0.204439	0.384667	0.53147	0.595093	0.920342	ENSMUSG0 Ttr
ENSMUSG0	139.6642	-0.15166	0.285475	-0.53125	0.595248	0.920507	ENSMUSG0 Ndufaf6
ENSMUSG0	710.6543	0.120117	0.226164	0.531104	0.595347	0.920586	ENSMUSG0 Atrnl1
ENSMUSG0	573.6877	-0.0807	0.151976	-0.531	0.59542	0.920623	ENSMUSG0 Stk19
ENSMUSG0	1530.021	0.123683	0.232954	0.530931	0.595467	0.920623	ENSMUSG0 Rlim
ENSMUSG0	584.1901	-0.16948	0.31925	-0.53086	0.595515	0.920624	ENSMUSG0 Dhps
ENSMUSG0	288.3885	-0.17381	0.327835	-0.53017	0.595993	0.921003	ENSMUSG0 Tcea2
ENSMUSG0	2205.556	-0.07563	0.142662	-0.53013	0.596025	0.921003	ENSMUSG0 Stxbp2
ENSMUSG0	532.0074	0.198491	0.374434	0.530111	0.596035	0.921003	ENSMUSG0 Pcdhgc3
ENSMUSG0	544.0737	-0.14918	0.281454	-0.53005	0.596079	0.921003	ENSMUSG0 Gm4631
ENSMUSG0	17.18774	0.246064	0.464235	0.530042	0.596083	0.921003	ENSMUSG0 Oip5
ENSMUSG0	133.944	0.183712	0.346628	0.529997	0.596114	0.921003	ENSMUSG0 Chac2
ENSMUSG0	52.76869	0.184419	0.348026	0.529899	0.596182	0.921003	ENSMUSG0 L3hypdh
ENSMUSG0	1888.219	0.124454	0.234876	0.529874	0.596199	0.921003	ENSMUSG0 Smc1a
ENSMUSG0	1005.586	0.075612	0.142712	0.529821	0.596236	0.921003	ENSMUSG0 Fzr1
ENSMUSG0	18.8659	0.365494	0.689849	0.529817	0.596239	0.921003	ENSMUSG0 Opcml
ENSMUSG0	3.351508	0.581934	1.098853	0.529583	0.596401	0.921179	ENSMUSG0 Dnah7a
ENSMUSG0	301.957	-0.10304	0.194646	-0.5294	0.59653	0.921304	ENSMUSG0 Haus5
ENSMUSG0	130.132	0.620245	1.171775	0.529321	0.596583	0.921312	ENSMUSG0 Ly6c2
ENSMUSG0	20619.82	-0.17032	0.322141	-0.5287	0.597015	0.921832	ENSMUSG0 Rpl6

ENSMUSG0	12.1589	-0.35522	0.67216	-0.52848	0.597165	0.921936	ENSMUSG04930413G2
ENSMUSG0	130.1692	0.235967	0.446619	0.528341	0.597263	0.921936	ENSMUSG0A1cf
ENSMUSG0	96.81287	0.695826	1.31703	0.52833	0.597271	0.921936	ENSMUSG0Gemin4
ENSMUSG0	7.761658	0.432281	0.818215	0.528322	0.597276	0.921936	ENSMUSG0Hpd1
ENSMUSG0	3245.902	-0.11282	0.213604	-0.52818	0.597375	0.921936	ENSMUSG0Prelid1
ENSMUSG0	118.3361	-0.12861	0.243512	-0.52816	0.597388	0.921936	ENSMUSG0Zkscan4
ENSMUSG0	452.9008	0.167795	0.317781	0.528019	0.597486	0.921936	ENSMUSG0Plekho1
ENSMUSG0	10.25594	0.390927	0.740377	0.528011	0.597492	0.921936	ENSMUSG0Lrrc17
ENSMUSG0	4.863092	0.404741	0.766585	0.527979	0.597514	0.921936	ENSMUSG0Gm16998
ENSMUSG0	4209.861	-0.13581	0.257273	-0.52787	0.59759	0.921976	ENSMUSG0Gpx4
ENSMUSG0	201.7722	-0.08235	0.156024	-0.52778	0.597653	0.921976	ENSMUSG04931414P1
ENSMUSG0	525.4756	-0.11861	0.22475	-0.52772	0.59769	0.921976	ENSMUSG0Tbc1d30
ENSMUSG0	3.125115	0.448351	0.849687	0.527666	0.597731	0.921976	ENSMUSG0Armh1
ENSMUSG0	1099.025	-0.11728	0.222403	-0.52732	0.597971	0.922142	ENSMUSG0Tcerg1
ENSMUSG0	1360.874	0.133592	0.253349	0.527303	0.597983	0.922142	ENSMUSG0Kansl1
ENSMUSG0	3.558584	-0.44093	0.836503	-0.52711	0.598116	0.922235	ENSMUSG04933433G1
ENSMUSG0	1018.03	-0.09721	0.184459	-0.52701	0.598186	0.922235	ENSMUSG0Kpna1
ENSMUSG0	74.04644	-0.39435	0.748369	-0.52694	0.598232	0.922235	ENSMUSG0Dpep1
ENSMUSG0	3.922876	0.543231	1.030947	0.526925	0.598246	0.922235	ENSMUSG0Tnnt1
ENSMUSG0	1651.536	0.068067	0.129195	0.526854	0.598295	0.922235	ENSMUSG0Zfand5
ENSMUSG0	837.0662	-0.08685	0.164855	-0.5268	0.598331	0.922235	ENSMUSG0Zfp110
ENSMUSG0	540.1505	0.135169	0.256637	0.526694	0.598406	0.922277	ENSMUSG0Rhog
ENSMUSG0	678.0347	0.081253	0.154301	0.526589	0.598479	0.922316	ENSMUSG0P3h1
ENSMUSG0	4.601712	-0.72278	1.372756	-0.52652	0.598528	0.922317	ENSMUSG0Gm8979
ENSMUSG0	544.6239	-0.09527	0.181018	-0.52628	0.598696	0.922367	ENSMUSG0Nfkbil1
ENSMUSG0	6.537483	-0.39091	0.742834	-0.52625	0.598717	0.922367	ENSMUSG0Cyp17a1
ENSMUSG0	440.7049	0.097405	0.185115	0.526187	0.598758	0.922367	ENSMUSG0Tstd2
ENSMUSG0	312.1653	-0.16989	0.32289	-0.52615	0.598781	0.922367	ENSMUSG0Thsd4
ENSMUSG0	566.2104	-0.08106	0.15407	-0.5261	0.598816	0.922367	ENSMUSG0Rmnd5b
ENSMUSG0	3639.515	-0.07923	0.150608	-0.52606	0.598848	0.922367	ENSMUSG0Supt5
ENSMUSG0	1337.881	0.122475	0.232958	0.52574	0.599069	0.922383	ENSMUSG0Lsm4
ENSMUSG0	564.9534	-0.0795	0.151231	-0.52568	0.59911	0.922383	ENSMUSG0Med20
ENSMUSG0	290.7658	-0.17411	0.331266	-0.52558	0.599181	0.922383	ENSMUSG0Ap1g2
ENSMUSG0	253.875	0.14189	0.269977	0.525565	0.59919	0.922383	ENSMUSG0Apaf1
ENSMUSG0	3803.722	-0.07547	0.143617	-0.52548	0.59925	0.922383	ENSMUSG0Ccnd1
ENSMUSG0	6.627311	0.361879	0.688675	0.525471	0.599256	0.922383	ENSMUSG0H3c1
ENSMUSG0	5.682255	-0.55317	1.052965	-0.52535	0.599343	0.922383	ENSMUSG0Akr1cl
ENSMUSG0	522.0527	0.196758	0.374536	0.525336	0.599349	0.922383	ENSMUSG0Pim1
ENSMUSG0	1018.833	0.10408	0.19813	0.525309	0.599368	0.922383	ENSMUSG0Rnf13
ENSMUSG0	8.749544	-0.67128	1.277921	-0.52529	0.599379	0.922383	ENSMUSG0Gm36486
ENSMUSG0	1297.996	0.071727	0.136577	0.525175	0.599461	0.922383	ENSMUSG0BC029722
ENSMUSG0	1637.699	0.078817	0.150093	0.525121	0.599499	0.922383	ENSMUSG0Sumf1
ENSMUSG0	1803.525	-0.15123	0.288007	-0.5251	0.59951	0.922383	ENSMUSG0Fam173a
ENSMUSG0	3.357427	0.48852	0.930378	0.525077	0.59953	0.922383	ENSMUSG0Gm715
ENSMUSG0	13.98112	0.449064	0.855404	0.524972	0.599602	0.92239	ENSMUSG0Msc
ENSMUSG0	437.2155	-0.19929	0.379647	-0.52493	0.59963	0.92239	ENSMUSG0Lsm3
ENSMUSG0	1011.725	-0.08705	0.165898	-0.52474	0.599761	0.922414	ENSMUSG0Fry
ENSMUSG0	12.11792	-0.29623	0.564679	-0.5246	0.599861	0.922414	ENSMUSG0Gm44243
ENSMUSG0	398.3521	0.075881	0.144707	0.524381	0.600014	0.922414	ENSMUSG0Btd
ENSMUSG0	3206.362	-0.22004	0.419673	-0.52432	0.600059	0.922414	ENSMUSG0Rpl36a
ENSMUSG0	2130.369	-0.05377	0.102557	-0.52425	0.600107	0.922414	ENSMUSG0Nudcd3
ENSMUSG0	17.16436	-0.30395	0.579812	-0.52423	0.600122	0.922414	ENSMUSG0Gm49494

ENSMUSG0	438.6913	0.114971	0.219318	0.52422	0.600125	0.922414	ENSMUSG0 Rras2
ENSMUSG0	6.182588	0.446497	0.851747	0.524214	0.60013	0.922414	ENSMUSG01810019N2
ENSMUSG0	1173.896	0.09692	0.184892	0.524197	0.600141	0.922414	ENSMUSG0 Cdc1p1
ENSMUSG0	643.571	-0.10535	0.20099	-0.52416	0.600167	0.922414	ENSMUSG0 Nol9
ENSMUSG0	12.9073	0.257961	0.492151	0.524151	0.600173	0.922414	ENSMUSG0 Phf2os1
ENSMUSG0	19.30584	0.25929	0.494753	0.524079	0.600224	0.922418	ENSMUSG0 H4f16
ENSMUSG0	12.19971	-0.3516	0.671073	-0.52394	0.600322	0.922494	ENSMUSG0 Gm10157
ENSMUSG0	4285.009	-0.17136	0.327141	-0.5238	0.60042	0.922517	ENSMUSG0 Rpl28
ENSMUSG0	5.139916	-0.3599	0.687128	-0.52378	0.600432	0.922517	ENSMUSG04921525OC
ENSMUSG0	74.92255	-0.32568	0.621942	-0.52366	0.600517	0.922542	ENSMUSG0 Gm8797
ENSMUSG0	2677.686	-0.07351	0.140385	-0.52362	0.600545	0.922542	ENSMUSG0 Osbp
ENSMUSG0	3.145448	0.613045	1.171075	0.523489	0.600634	0.922606	ENSMUSG0 Gm47322
ENSMUSG0	1232.253	-0.0825	0.157625	-0.52339	0.600705	0.922642	ENSMUSG0 Cdk5r2
ENSMUSG0	165.153	0.11446	0.218745	0.523257	0.600796	0.922707	ENSMUSG0 Plscr2
ENSMUSG0	42.80044	0.256542	0.490374	0.523156	0.600866	0.922741	ENSMUSG0 Mybl1
ENSMUSG0	6.549592	-0.33136	0.633685	-0.52291	0.601034	0.922771	ENSMUSG0 Pla2g4c
ENSMUSG0	476.6624	-0.0958	0.183212	-0.5229	0.601042	0.922771	ENSMUSG0 Tubgcp5
ENSMUSG0	231.9383	-0.11699	0.22374	-0.52288	0.601057	0.922771	ENSMUSG0 Aph1b
ENSMUSG0	1007.017	-0.10682	0.204331	-0.52279	0.601122	0.922771	ENSMUSG0 Polg
ENSMUSG0	19.24995	0.203089	0.388477	0.522784	0.601125	0.922771	ENSMUSG0 Gm40557
ENSMUSG0	4.649666	0.497114	0.951247	0.522592	0.601258	0.922837	ENSMUSG0 Gm3629
ENSMUSG0	1347.274	-0.10206	0.195308	-0.52257	0.601277	0.922837	ENSMUSG0 Adh5
ENSMUSG0	810.1928	0.071432	0.136708	0.522515	0.601312	0.922837	ENSMUSG0 Terf2ip
ENSMUSG0	610.9597	-0.1677	0.320995	-0.52243	0.601369	0.92285	ENSMUSG0 Ralgs2
ENSMUSG0	1735.252	0.089124	0.170636	0.522308	0.601456	0.922872	ENSMUSG0 Pcmt1
ENSMUSG0	446.7764	0.07236	0.138547	0.522276	0.601479	0.922872	ENSMUSG0 Wdr70
ENSMUSG0	1046.016	-0.11662	0.223344	-0.52216	0.601562	0.922926	ENSMUSG0 Cebp
ENSMUSG0	2917.271	-0.0765	0.146535	-0.52205	0.601634	0.922942	ENSMUSG0 Anxa11
ENSMUSG0	300.3765	-0.15341	0.293888	-0.522	0.601669	0.922942	ENSMUSG0 Gm2011
ENSMUSG0	2545.47	0.106692	0.204436	0.521887	0.601749	0.922945	ENSMUSG0 Prpf6
ENSMUSG0	2317.12	-0.0796	0.152539	-0.52184	0.601785	0.922945	ENSMUSG0 Ist1
ENSMUSG0	35.40578	-0.19702	0.377585	-0.52179	0.601815	0.922945	ENSMUSG0 Snai2
ENSMUSG0	2207.876	-0.10973	0.210318	-0.52172	0.601862	0.922945	ENSMUSG0 Smdt1
ENSMUSG0	681.9008	-0.0892	0.171012	-0.52158	0.60196	0.923021	ENSMUSG0 Rfng
ENSMUSG0	1744.679	-0.07632	0.146342	-0.5215	0.60202	0.92304	ENSMUSG0 Scpep1
ENSMUSG0	253.7452	-0.23026	0.441668	-0.52134	0.602129	0.923111	ENSMUSG0 Krt10
ENSMUSG0	9.463206	0.316836	0.607788	0.521294	0.602162	0.923111	ENSMUSG0 Gm4149
ENSMUSG0	12.17237	0.233406	0.44802	0.520971	0.602387	0.923328	ENSMUSG0D630023F1
ENSMUSG0	1382.802	-0.10439	0.200386	-0.52095	0.6024	0.923328	ENSMUSG0 Zzz3
ENSMUSG0	877.0923	0.123817	0.237828	0.520617	0.602633	0.923365	ENSMUSG0 Stard3nl
ENSMUSG0	27.38904	0.333141	0.639973	0.520556	0.602676	0.923365	ENSMUSG0Arhgap27o
ENSMUSG0	71.34119	0.142098	0.273024	0.520461	0.602742	0.923365	ENSMUSG0 Spin2c
ENSMUSG0	24.93264	0.314918	0.605076	0.52046	0.602743	0.923365	ENSMUSG0 Gm43268
ENSMUSG0	71.92597	-0.18466	0.355017	-0.52016	0.602954	0.923365	ENSMUSG0 Rbm20
ENSMUSG0	3.383374	-0.53657	1.031559	-0.52015	0.602957	0.923365	ENSMUSG0 Cpa5
ENSMUSG0	4.90273	-0.35287	0.678425	-0.52013	0.602975	0.923365	ENSMUSG0 Gm10463
ENSMUSG0	10.08727	0.355899	0.684294	0.520097	0.602996	0.923365	ENSMUSG0 Cd244a
ENSMUSG0	703.6006	0.116962	0.22491	0.520042	0.603034	0.923365	ENSMUSG02610008E1
ENSMUSG0	3387.74	0.084998	0.163454	0.520015	0.603053	0.923365	ENSMUSG0 Capzb
ENSMUSG0	421.7872	-0.14809	0.28484	-0.5199	0.603131	0.923365	ENSMUSG0 Coprs
ENSMUSG0	107.8223	0.12031	0.231411	0.519899	0.603134	0.923365	ENSMUSG0 Moap1
ENSMUSG0	1419.027	-0.10856	0.208905	-0.51967	0.603297	0.923365	ENSMUSG0 Ngrn

ENSMUSG0	189.9021	0.162519	0.312739	0.519665	0.603297	0.923365	ENSMUSG0 Tfpi
ENSMUSG0	470.9716	-0.09205	0.177142	-0.51962	0.603328	0.923365	ENSMUSG0 Sac3d1
ENSMUSG0	802.8339	-0.08438	0.162406	-0.51957	0.603365	0.923365	ENSMUSG0 Tsta3
ENSMUSG0	37.10258	0.139273	0.268114	0.519456	0.603443	0.923365	ENSMUSG0 Sgo1
ENSMUSG0	41.71629	0.161153	0.310279	0.51938	0.603496	0.923365	ENSMUSG0A730011C1
ENSMUSG0	694.7947	0.110247	0.212267	0.519378	0.603497	0.923365	ENSMUSG0 Rbpj
ENSMUSG0	1365.316	-0.08515	0.163981	-0.51927	0.603573	0.923365	ENSMUSG0 Cpsf6
ENSMUSG0	851.4294	0.102079	0.196585	0.519262	0.603578	0.923365	ENSMUSG0 Prkd1
ENSMUSG0	120.1949	-0.15333	0.295282	-0.51925	0.603584	0.923365	ENSMUSG0 Coq3
ENSMUSG0	2727.66	-0.06113	0.117738	-0.51922	0.603605	0.923365	ENSMUSG0 Grsf1
ENSMUSG0	216.0201	0.123708	0.238288	0.519155	0.603652	0.923365	ENSMUSG0 Slc19a2
ENSMUSG0	22.5843	-0.26521	0.510967	-0.51904	0.603734	0.923365	ENSMUSG0 Gm36608
ENSMUSG0	432.887	0.095945	0.184877	0.51897	0.603782	0.923365	ENSMUSG0 Zfp597
ENSMUSG0	3.045537	-0.48135	0.927581	-0.51893	0.603808	0.923365	ENSMUSG0 Gm1141
ENSMUSG0	8.897355	-0.42579	0.820669	-0.51883	0.603879	0.923365	ENSMUSG0 Sirpb1c
ENSMUSG0	95.50653	0.111616	0.215137	0.518815	0.60389	0.923365	ENSMUSG0 Zfp873
ENSMUSG0	23.38285	-0.22418	0.432134	-0.51877	0.603921	0.923365	ENSMUSG0 Gm26797
ENSMUSG0	994.7987	-0.10143	0.195527	-0.51874	0.603942	0.923365	ENSMUSG0 Strip1
ENSMUSG0	517.6146	-0.10179	0.196226	-0.51871	0.60396	0.923365	ENSMUSG0 Cdc25a
ENSMUSG0	81.53446	-0.24698	0.476571	-0.51824	0.604288	0.92354	ENSMUSG0 Gm20008
ENSMUSG0	110.3355	0.183158	0.353443	0.51821	0.604312	0.92354	ENSMUSG0 Foxm1
ENSMUSG0	330.4899	0.096607	0.186488	0.518032	0.604436	0.92354	ENSMUSG0 Ice2
ENSMUSG0	899.5291	-0.11797	0.227753	-0.51799	0.604467	0.92354	ENSMUSG0 Abcd1
ENSMUSG0	14.26471	0.229403	0.442946	0.517902	0.604526	0.92354	ENSMUSG0 Tspear
ENSMUSG0	8.879562	0.410805	0.793338	0.517818	0.604585	0.92354	ENSMUSG0 Nwd1
ENSMUSG0	806.2832	0.110712	0.213814	0.517797	0.6046	0.92354	ENSMUSG0 Hmbox1
ENSMUSG0	2932.884	0.106414	0.205526	0.517765	0.604622	0.92354	ENSMUSG0 Ppm1b
ENSMUSG0	92.72796	0.195404	0.377424	0.517732	0.604645	0.92354	ENSMUSG0 Thrsp
ENSMUSG0	5.747554	0.509014	0.983194	0.517715	0.604657	0.92354	ENSMUSG0 Lbhd2
ENSMUSG0	491.1421	-0.10878	0.210163	-0.5176	0.604736	0.92354	ENSMUSG0 Mnat1
ENSMUSG0	2284.379	0.170815	0.330014	0.5176	0.604737	0.92354	ENSMUSG0 Ube3a
ENSMUSG0	18.28074	0.316251	0.611054	0.51755	0.604772	0.92354	ENSMUSG0A930016O2
ENSMUSG0	47.73808	0.166641	0.321982	0.517547	0.604774	0.92354	ENSMUSG0 Zfp982
ENSMUSG0	365.9886	0.131888	0.254924	0.517361	0.604904	0.92354	ENSMUSG0 Dtx3l
ENSMUSG0	36.39453	-0.32138	0.621209	-0.51734	0.604916	0.92354	ENSMUSG0 AA467197
ENSMUSG0	1755.507	-0.13644	0.263809	-0.51719	0.605026	0.92354	ENSMUSG0 Dynlrb1
ENSMUSG0	3786.268	-0.10346	0.20009	-0.51706	0.605115	0.92354	ENSMUSG0 Cyhr1
ENSMUSG0	32.58833	-0.3951	0.764405	-0.51688	0.605243	0.92354	ENSMUSG0 H2bc8
ENSMUSG0	18.03721	0.244523	0.473138	0.516811	0.605288	0.92354	ENSMUSG0E430024P1
ENSMUSG0	3.327232	-0.5863	1.134551	-0.51677	0.605319	0.92354	ENSMUSG0 Gm37860
ENSMUSG0	1417.67	-0.07057	0.136565	-0.51677	0.605319	0.92354	ENSMUSG0 Stx6
ENSMUSG0	183.4164	-0.12048	0.233162	-0.51672	0.60535	0.92354	ENSMUSG0 Snapc5
ENSMUSG0	10.59565	-0.31065	0.601245	-0.51668	0.605379	0.92354	ENSMUSG0 Gm15793
ENSMUSG0	19.9946	-0.24519	0.474665	-0.51656	0.605466	0.92354	ENSMUSG0 Gm38140
ENSMUSG0	17.5735	-0.28581	0.553358	-0.51651	0.605499	0.92354	ENSMUSG0 Gm7008
ENSMUSG0	75.89446	-0.17168	0.332395	-0.51649	0.605512	0.92354	ENSMUSG0 Gm49066
ENSMUSG0	14.87599	0.431697	0.835844	0.51648	0.605519	0.92354	ENSMUSG0 Gm48552
ENSMUSG0	1882.29	-0.09377	0.181602	-0.51633	0.605626	0.92354	ENSMUSG0 Klhdc2
ENSMUSG0	3705.596	-0.06854	0.132759	-0.51624	0.605683	0.92354	ENSMUSG0 Mapk8ip2
ENSMUSG0	3.233479	0.491643	0.952404	0.516213	0.605706	0.92354	ENSMUSG0 Gm49805
ENSMUSG0	637.8922	-0.07143	0.138397	-0.51615	0.60575	0.92354	ENSMUSG0 Zdhhc24
ENSMUSG0	182.1002	0.220731	0.427674	0.516119	0.605772	0.92354	ENSMUSG0 Acss1

ENSMUSG0	997.0722	-0.09213	0.17852	-0.51609	0.605795	0.92354	ENSMUSG0 Prpf18
ENSMUSG0	1395.065	-0.08041	0.155809	-0.51607	0.605803	0.92354	ENSMUSG0 Anks1
ENSMUSG0	3.811985	-0.56191	1.08899	-0.51599	0.605862	0.923557	ENSMUSG0 Gata1
ENSMUSG0	70.88675	0.212921	0.412757	0.51585	0.605959	0.923571	ENSMUSG0 Ebi3
ENSMUSG0	5.941035	0.361044	0.699926	0.515832	0.605972	0.923571	ENSMUSG0 Casq1
ENSMUSG0	2549.232	0.102045	0.197887	0.515674	0.606082	0.923571	ENSMUSG0 Usp7
ENSMUSG0	12.37893	0.26932	0.522354	0.515589	0.606141	0.923571	ENSMUSG0 Pabpc5
ENSMUSG0	35.58496	0.158813	0.308101	0.515456	0.606234	0.923571	ENSMUSG0 Gm2237
ENSMUSG0	976.821	-0.10428	0.202344	-0.51537	0.606297	0.923571	ENSMUSG0 Ing2
ENSMUSG0	67.66446	-0.24989	0.48489	-0.51535	0.606307	0.923571	ENSMUSG0 Gm48582
ENSMUSG0	1043.599	0.105372	0.204482	0.51531	0.606336	0.923571	ENSMUSG0 Arhgef18
ENSMUSG0	1251.646	-0.08674	0.168358	-0.51521	0.606408	0.923571	ENSMUSG0 Pnpla2
ENSMUSG0	4.246673	0.523071	1.01531	0.515184	0.606425	0.923571	ENSMUSG0 Gm826
ENSMUSG0	1721.638	0.074067	0.143773	0.515166	0.606437	0.923571	ENSMUSG0 Eri3
ENSMUSG0	411.0488	-0.1135	0.220341	-0.51511	0.606475	0.923571	ENSMUSG0 Arl6
ENSMUSG0	885.1505	0.120013	0.232998	0.515082	0.606496	0.923571	ENSMUSG0 Plekha5
ENSMUSG0	3789.716	-0.0844	0.163924	-0.51488	0.606638	0.923691	ENSMUSG0 Pttg1ip
ENSMUSG0	3475.214	-0.08165	0.158602	-0.51483	0.60667	0.923691	ENSMUSG0 Polr2m
ENSMUSG0	1625.48	-0.08143	0.158187	-0.51476	0.606719	0.923692	ENSMUSG0 Tbc1d17
ENSMUSG0	68.44529	0.725997	1.410569	0.514684	0.606774	0.923702	ENSMUSG0 Cd209b
ENSMUSG0	1369.907	-0.13185	0.256269	-0.51451	0.606893	0.923742	ENSMUSG0 Mical3
ENSMUSG0	11.60502	-0.38526	0.748936	-0.51441	0.606963	0.923742	ENSMUSG0 Ifi203-ps
ENSMUSG0	412.9041	0.140353	0.272844	0.514409	0.606966	0.923742	ENSMUSG0 Ttc9c
ENSMUSG0	17.49691	-0.26364	0.512662	-0.51425	0.607076	0.923742	ENSMUSG0 Nos2
ENSMUSG0	925.0037	-0.09487	0.184484	-0.51424	0.607083	0.923742	ENSMUSG0 Kmt5c
ENSMUSG0	2306.226	-0.15463	0.300695	-0.51423	0.607088	0.923742	ENSMUSG0 Akr1b3
ENSMUSG0	1884.681	-0.11494	0.223581	-0.51407	0.607206	0.923842	ENSMUSG0 Slc25a36
ENSMUSG0	496.8905	-0.07633	0.148499	-0.514	0.60725	0.923842	ENSMUSG0 2810013P0
ENSMUSG0	14199.73	0.1527	0.297141	0.513898	0.607323	0.92388	ENSMUSG0 Txnip
ENSMUSG0	280.177	0.271165	0.527862	0.513704	0.607459	0.923991	ENSMUSG0 Siglecg
ENSMUSG0	10.94608	-0.61297	1.193339	-0.51366	0.607492	0.923991	ENSMUSG0 Igkv4-72
ENSMUSG0	342.4576	-0.16372	0.31887	-0.51343	0.607648	0.924115	ENSMUSG0 Agbl3
ENSMUSG0	153.0062	0.214812	0.418409	0.513403	0.607669	0.924115	ENSMUSG0 Cdca3
ENSMUSG0	3.098428	0.490478	0.95555	0.513294	0.607746	0.924158	ENSMUSG0 Ces5a
ENSMUSG0	1426.377	-0.07588	0.147876	-0.51316	0.607842	0.924215	ENSMUSG0 Gna13
ENSMUSG0	33.50802	-0.19764	0.385318	-0.51294	0.607996	0.924215	ENSMUSG0 Tmem88b
ENSMUSG0	518.3276	-0.1182	0.230451	-0.51293	0.608004	0.924215	ENSMUSG0 Dtx2
ENSMUSG0	3080.5	0.084782	0.165314	0.512854	0.608053	0.924215	ENSMUSG0 Ltbp3
ENSMUSG0	3559.499	0.090202	0.175889	0.512833	0.608068	0.924215	ENSMUSG0 U2af2
ENSMUSG0	1665.395	-0.09006	0.17561	-0.51283	0.608071	0.924215	ENSMUSG0 Gspt1
ENSMUSG0	7467.631	-0.0686	0.133789	-0.51275	0.608125	0.924223	ENSMUSG0 Atp6v1b2
ENSMUSG0	35.30047	-0.24495	0.477827	-0.51264	0.608206	0.924273	ENSMUSG0 Adam32
ENSMUSG0	3.891935	-0.55501	1.082896	-0.51253	0.608283	0.92429	ENSMUSG0 A430057Ml
ENSMUSG0	3.528301	-0.59819	1.167532	-0.51236	0.608402	0.924353	ENSMUSG0 Gm5281
ENSMUSG0	6.507971	-0.37174	0.725785	-0.51219	0.608516	0.924382	ENSMUSG0 Cd300e
ENSMUSG0	876.8592	-0.12815	0.250193	-0.51219	0.608518	0.924382	ENSMUSG0 Psen2
ENSMUSG0	123.3537	0.269213	0.526005	0.511807	0.608786	0.924564	ENSMUSG0 Traf3ip3
ENSMUSG0	497.8686	-0.08169	0.159662	-0.51162	0.608914	0.924564	ENSMUSG0 Dhcr7
ENSMUSG0	269.4753	0.554378	1.08358	0.511617	0.608919	0.924564	ENSMUSG0 Pde2a
ENSMUSG0	3.397819	0.463639	0.906242	0.511607	0.608926	0.924564	ENSMUSG0 Gm48850
ENSMUSG0	1878.447	-0.11564	0.226068	-0.51155	0.608966	0.924564	ENSMUSG0 Psenen
ENSMUSG0	13.94242	0.224781	0.439416	0.511545	0.60897	0.924564	ENSMUSG0 D730045BC

ENSMUSG0	1821.432	-0.08367	0.163573	-0.51151	0.608994	0.924564	ENSMUSG0 Dohh
ENSMUSG0	4.625272	-0.90448	1.768535	-0.51143	0.609052	0.924564	ENSMUSG0 Tmprss15
ENSMUSG0	79.80403	-0.20533	0.401516	-0.5114	0.609074	0.924564	ENSMUSG0 Fam167b
ENSMUSG0	751.1114	-0.06993	0.136782	-0.51129	0.609149	0.924564	ENSMUSG0 Trappc5
ENSMUSG0	342.7788	-0.08884	0.173769	-0.51126	0.609166	0.924564	ENSMUSG0 Armt1
ENSMUSG0	10.02702	0.294673	0.576558	0.511091	0.609287	0.924675	ENSMUSG0 Ttc39d
ENSMUSG0	80.4955	-0.18978	0.371487	-0.51086	0.60945	0.924736	ENSMUSG0 Lym7
ENSMUSG0	702.2915	-0.07328	0.143511	-0.51064	0.609602	0.924736	ENSMUSG0 Gzf1
ENSMUSG0	4.96023	-0.35383	0.693126	-0.51049	0.609711	0.924736	ENSMUSG0 Gm18890
ENSMUSG0	34.86702	0.286647	0.561546	0.510461	0.609728	0.924736	ENSMUSG0 Lta
ENSMUSG0	3488.363	0.111465	0.218366	0.51045	0.609736	0.924736	ENSMUSG0 Ivns1abp
ENSMUSG0	6.897027	0.31	0.607529	0.510264	0.609867	0.924736	ENSMUSG0 Radx
ENSMUSG0	404.6478	-0.07067	0.13853	-0.51012	0.60997	0.924736	ENSMUSG0 Ppcdc
ENSMUSG0	313.7053	-0.15703	0.307873	-0.51006	0.610009	0.924736	ENSMUSG0 Ramp2
ENSMUSG0	3172.876	-0.08939	0.175256	-0.51006	0.610012	0.924736	ENSMUSG0 Vdac2
ENSMUSG0	217.9315	0.158615	0.311004	0.510009	0.610045	0.924736	ENSMUSG0 Atp11c
ENSMUSG0	35.33051	-0.21804	0.427583	-0.50994	0.610093	0.924736	ENSMUSG0 C4a
ENSMUSG0	4440.697	0.099366	0.194864	0.509928	0.610102	0.924736	ENSMUSG0 Pja2
ENSMUSG0	867.9733	-0.12475	0.244661	-0.50987	0.61014	0.924736	ENSMUSG0 Mrps7
ENSMUSG0	695.9739	-0.12292	0.241121	-0.50979	0.610199	0.924736	ENSMUSG0 Tceal1
ENSMUSG0	2185.338	-0.13561	0.266014	-0.50978	0.610209	0.924736	ENSMUSG0 Scand1
ENSMUSG0	435.4134	-0.10185	0.199814	-0.50972	0.610247	0.924736	ENSMUSG0 Rad51d
ENSMUSG0	171.6666	-0.16098	0.315833	-0.50971	0.610255	0.924736	ENSMUSG0 Snhg3
ENSMUSG0	27.85757	0.359326	0.704979	0.509698	0.610263	0.924736	ENSMUSG0 Impg2
ENSMUSG0	4.000789	-0.45491	0.892565	-0.50967	0.610282	0.924736	ENSMUSG0 Gm45786
ENSMUSG0	336.2092	-0.17094	0.335414	-0.50963	0.610309	0.924736	ENSMUSG0 Gm49759
ENSMUSG0	3920.68	-0.21343	0.418848	-0.50957	0.610351	0.924736	ENSMUSG0 Gm10177
ENSMUSG0	5.697074	-0.30907	0.606591	-0.50952	0.610385	0.924736	ENSMUSG0 A730071L1
ENSMUSG0	685.6785	-0.15253	0.299435	-0.50938	0.610483	0.92474	ENSMUSG0 Snhg1
ENSMUSG0	172.5473	-0.1405	0.275822	-0.50938	0.610484	0.92474	ENSMUSG0 Rpp38
ENSMUSG0	36.9901	-0.16319	0.320418	-0.50931	0.610536	0.924746	ENSMUSG0 D7Bwg082f
ENSMUSG0	31.01885	-0.21449	0.421251	-0.50917	0.610631	0.924818	ENSMUSG0 Cntnap5b
ENSMUSG0	3.950664	-0.42029	0.8259	-0.50889	0.610831	0.925047	ENSMUSG0 Gm33228
ENSMUSG0	1449.935	-0.11511	0.226368	-0.50853	0.611085	0.925359	ENSMUSG0 Mmadhc
ENSMUSG0	352.92	0.132967	0.261601	0.50828	0.611257	0.925546	ENSMUSG0 Rnaseh2c
ENSMUSG0	18.7917	0.270941	0.533134	0.508205	0.61131	0.925553	ENSMUSG0 Gm10509
ENSMUSG0	8830.968	-0.14377	0.282943	-0.50812	0.611369	0.92557	ENSMUSG0 Rps13
ENSMUSG0	566.5796	0.152115	0.299448	0.507987	0.611463	0.925639	ENSMUSG0 Usp6nl
ENSMUSG0	1563.415	0.061435	0.120969	0.507854	0.611556	0.925707	ENSMUSG0 Uba2
ENSMUSG0	327.4892	0.161098	0.317365	0.507611	0.611726	0.925727	ENSMUSG0 Dok3
ENSMUSG0	13.45213	0.580116	1.142961	0.507556	0.611765	0.925727	ENSMUSG0 Gm2682
ENSMUSG0	137.9833	-0.10819	0.213191	-0.50749	0.611809	0.925727	ENSMUSG0 Il15ra
ENSMUSG0	477.8501	-0.09982	0.196707	-0.50744	0.611845	0.925727	ENSMUSG0 Ppm1k
ENSMUSG0	1004.832	-0.11723	0.231039	-0.5074	0.611871	0.925727	ENSMUSG0 Parp10
ENSMUSG0	1637.435	0.091774	0.180892	0.507344	0.611914	0.925727	ENSMUSG0 Brd8
ENSMUSG0	16.17237	-0.36183	0.713254	-0.5073	0.611948	0.925727	ENSMUSG0 Muc3a
ENSMUSG0	9.073073	0.663063	1.307124	0.507268	0.611967	0.925727	ENSMUSG0 Rpl14-ps1
ENSMUSG0	4.115709	0.475216	0.937018	0.507158	0.612044	0.925727	ENSMUSG0 Tmem196
ENSMUSG0	300.0893	0.111219	0.219302	0.507149	0.61205	0.925727	ENSMUSG0 Dsc2
ENSMUSG0	7.764814	0.439752	0.867611	0.506855	0.612257	0.925836	ENSMUSG0 Fam178b
ENSMUSG0	48.69574	0.198595	0.391857	0.506806	0.612291	0.925836	ENSMUSG0 Cfap45
ENSMUSG0	63.91004	-0.32495	0.6412	-0.50679	0.612303	0.925836	ENSMUSG0 Extl1

ENSMUSG0	7.58912	0.35601	0.702504	0.506772	0.612314	0.925836	ENSMUSG04921504A2
ENSMUSG0	772.1404	-0.06708	0.132393	-0.50668	0.612379	0.925861	ENSMUSG0 Brip1os
ENSMUSG0	4.088335	-0.55841	1.102315	-0.50657	0.612453	0.925873	ENSMUSG0 Irs4
ENSMUSG0	737.0419	0.105789	0.208849	0.506532	0.612483	0.925873	ENSMUSG0 Ifnar1
ENSMUSG0	2265.951	-0.05235	0.103365	-0.50643	0.612558	0.925912	ENSMUSG0 Gnai3
ENSMUSG0	136.8557	0.16353	0.322954	0.506358	0.612605	0.925912	ENSMUSG0 Fxyd1
ENSMUSG0	1774.057	-0.11449	0.226184	-0.50618	0.612734	0.925941	ENSMUSG0 Dyrk2
ENSMUSG0	1036	0.099033	0.195666	0.506131	0.612764	0.925941	ENSMUSG0 Phkg2
ENSMUSG0	3.495781	-0.75578	1.493491	-0.50605	0.612821	0.925941	ENSMUSG0 Zcchc9-ps
ENSMUSG0	298.5331	-0.19016	0.37578	-0.50604	0.612828	0.925941	ENSMUSG0 Rasgef1b
ENSMUSG0	1014.397	0.082978	0.163993	0.505988	0.612865	0.925941	ENSMUSG0 Sgsm2
ENSMUSG0	15483.72	0.094426	0.18674	0.505657	0.613098	0.926149	ENSMUSG0 Itm2c
ENSMUSG0	180.8622	0.164983	0.326312	0.505598	0.613139	0.926149	ENSMUSG0 Icam2
ENSMUSG0	1517.802	-0.05461	0.10801	-0.50558	0.613151	0.926149	ENSMUSG0 Suox
ENSMUSG0	1848.625	-0.10102	0.199889	-0.50539	0.613288	0.926149	ENSMUSG0 Ttrap
ENSMUSG0	852.4608	-0.07948	0.157274	-0.50537	0.613298	0.926149	ENSMUSG0 RbmX
ENSMUSG0	186.8216	-0.17932	0.354852	-0.50535	0.613313	0.926149	ENSMUSG0 Rpp30
ENSMUSG0	38.45306	0.262424	0.519365	0.505278	0.613363	0.926149	ENSMUSG0 Plac9a
ENSMUSG0	589.1261	0.111491	0.220669	0.505238	0.613392	0.926149	ENSMUSG0 Rel1
ENSMUSG0	1474.209	-0.09705	0.19212	-0.50517	0.613436	0.926149	ENSMUSG0 Zbtb7b
ENSMUSG0	12.90387	-1.04325	2.065416	-0.5051	0.613485	0.92615	ENSMUSG0 Ces1f
ENSMUSG0	3.194079	0.635627	1.258585	0.505033	0.613536	0.926153	ENSMUSG0 Ido1
ENSMUSG0	5478.524	-0.10649	0.210951	-0.50482	0.613684	0.926182	ENSMUSG0 Rimbp2
ENSMUSG0	1424.449	0.088883	0.176086	0.504773	0.613718	0.926182	ENSMUSG0 Ncln
ENSMUSG0	16.14855	0.29561	0.585715	0.504699	0.61377	0.926182	ENSMUSG0 Gm6225
ENSMUSG0	2281.639	-0.15402	0.305314	-0.50448	0.613926	0.926182	ENSMUSG0 Tma7
ENSMUSG0	5.174539	-0.4551	0.902189	-0.50444	0.613953	0.926182	ENSMUSG0 Gm6542
ENSMUSG0	258.6135	-0.11573	0.229442	-0.50438	0.613994	0.926182	ENSMUSG0 Upp2
ENSMUSG0	15.29948	-0.52385	1.03879	-0.50429	0.614056	0.926182	ENSMUSG0 Gm14822
ENSMUSG0	5.332721	-0.32886	0.652132	-0.50428	0.614065	0.926182	ENSMUSG0 Gm47573
ENSMUSG0	64.3979	0.15913	0.315568	0.504267	0.614074	0.926182	ENSMUSG0 Gen1
ENSMUSG0	18.82638	0.283104	0.561462	0.504228	0.614101	0.926182	ENSMUSG0 Sbk2
ENSMUSG0	239.6725	-0.15875	0.314997	-0.50396	0.614289	0.926182	ENSMUSG0 Tmem267
ENSMUSG0	586.4232	0.090334	0.179254	0.503943	0.614301	0.926182	ENSMUSG0 Nfkbib
ENSMUSG0	9.391431	-0.58203	1.155024	-0.50391	0.614324	0.926182	ENSMUSG0 Tnni1
ENSMUSG0	10375.71	0.102996	0.204408	0.503875	0.61435	0.926182	ENSMUSG0 Ly6e
ENSMUSG0	1636.695	-0.20435	0.405558	-0.50387	0.614355	0.926182	ENSMUSG0 Tmem256
ENSMUSG0	357.5496	0.080404	0.159595	0.503803	0.6144	0.926182	ENSMUSG0 Med19
ENSMUSG0	2.942489	0.489415	0.971459	0.503794	0.614406	0.926182	ENSMUSG0 Gm12999
ENSMUSG0	7.30268	-0.42311	0.839892	-0.50377	0.614421	0.926182	ENSMUSG0 Gm37006
ENSMUSG0	59.25001	-0.31554	0.626438	-0.5037	0.614474	0.926189	ENSMUSG0 Gm26670
ENSMUSG0	141.9309	-0.21807	0.433075	-0.50355	0.614579	0.926274	ENSMUSG0 Knstrn
ENSMUSG0	1771.487	-0.11301	0.22447	-0.50345	0.61465	0.926309	ENSMUSG0 Adk
ENSMUSG0	1073.136	0.106184	0.211009	0.503221	0.614809	0.926476	ENSMUSG0 Appbp2
ENSMUSG0	4112.595	-0.08632	0.171574	-0.50311	0.61489	0.926525	ENSMUSG0 Ptpn11
ENSMUSG0	349.8291	-0.21581	0.429112	-0.50291	0.615025	0.926657	ENSMUSG0 Pabpc1l2b-
ENSMUSG0	127.9573	-0.13384	0.266229	-0.50271	0.615165	0.926753	ENSMUSG0 Msantd3
ENSMUSG0	817.0177	0.068598	0.136463	0.502685	0.615186	0.926753	ENSMUSG0 Ino80e
ENSMUSG0	18.21215	0.314164	0.625288	0.502431	0.615365	0.926901	ENSMUSG0 Gm5547
ENSMUSG0	4306.286	0.111107	0.221148	0.502408	0.61538	0.926901	ENSMUSG0 Kpnb1
ENSMUSG0	413.9952	-0.14582	0.290293	-0.50231	0.615451	0.926935	ENSMUSG0 Msra
ENSMUSG0	1772.591	-0.05582	0.111161	-0.50216	0.615552	0.926972	ENSMUSG0 Pa2g4

ENSMUSG0	159.6054	-0.60484	1.204535	-0.50213	0.615573	0.926972	ENSMUSG0 Rnu3b1
ENSMUSG0	649.7625	-0.06709	0.133633	-0.50205	0.615634	0.926972	ENSMUSG0 Dnttip1
ENSMUSG0	186.2425	0.197318	0.393141	0.501901	0.615737	0.926972	ENSMUSG0 Serpine1
ENSMUSG0	76.1202	0.243076	0.484343	0.501868	0.615761	0.926972	ENSMUSG0 Cenpe
ENSMUSG0	17831.06	-0.1379	0.274795	-0.50183	0.615791	0.926972	ENSMUSG0 Egr1
ENSMUSG0	584.5487	-0.11631	0.231838	-0.5017	0.615881	0.926972	ENSMUSG0 Ralgps1
ENSMUSG0	73.58613	0.148897	0.296934	0.501447	0.616056	0.926972	ENSMUSG0 E530011L2
ENSMUSG0	2123.953	-0.06289	0.125434	-0.50141	0.616083	0.926972	ENSMUSG0 Sik3
ENSMUSG0	981.051	-0.20855	0.416039	-0.50127	0.616183	0.926972	ENSMUSG0 Smim22
ENSMUSG0	642.3105	0.110344	0.220133	0.501258	0.61619	0.926972	ENSMUSG0 Tbc1d19
ENSMUSG0	11.13071	-0.4566	0.910932	-0.50125	0.616198	0.926972	ENSMUSG0 Prickle4
ENSMUSG0	565.7441	0.0766	0.152821	0.501242	0.616201	0.926972	ENSMUSG0 2610301B2
ENSMUSG0	1804.932	0.071563	0.142777	0.501223	0.616214	0.926972	ENSMUSG0 Ppt1
ENSMUSG0	1840.7	-0.06483	0.129355	-0.50118	0.616244	0.926972	ENSMUSG0 Lrrc41
ENSMUSG0	672.6568	-0.11115	0.221798	-0.50115	0.616265	0.926972	ENSMUSG0 Rpp25l
ENSMUSG0	201.1601	0.095389	0.190381	0.501041	0.616343	0.926972	ENSMUSG0 Jmjd4
ENSMUSG0	1335.965	-0.12658	0.252697	-0.50093	0.616424	0.927021	ENSMUSG0 Unc50
ENSMUSG0	635.3499	-0.07243	0.144624	-0.50084	0.616483	0.927038	ENSMUSG0 L3mbtl2
ENSMUSG0	226.3988	0.084153	0.168053	0.500754	0.616545	0.927058	ENSMUSG0 Tcaim
ENSMUSG0	124.9413	-0.2743	0.547925	-0.50061	0.616643	0.927082	ENSMUSG0 Rab17
ENSMUSG0	319.0055	0.083513	0.166839	0.500559	0.616681	0.927082	ENSMUSG0 Ppp3cc
ENSMUSG0	7.155483	0.424541	0.8482	0.50052	0.616709	0.927082	ENSMUSG0 Gm42890
ENSMUSG0	974.4539	-0.12011	0.240006	-0.50042	0.616776	0.927082	ENSMUSG0 Nf1
ENSMUSG0	17.09072	0.411787	0.823011	0.500342	0.616834	0.927082	ENSMUSG0 Msr1
ENSMUSG0	589.2006	0.148357	0.296525	0.50032	0.61685	0.927082	ENSMUSG0 Map3k3
ENSMUSG0	4543.845	0.100649	0.201207	0.500226	0.616916	0.927109	ENSMUSG0 Rnf10
ENSMUSG0	5.271545	0.382681	0.765132	0.500151	0.616969	0.927116	ENSMUSG0 Gm10617
ENSMUSG0	86.29437	0.185036	0.370014	0.500077	0.617021	0.927122	ENSMUSG0 Stard9
ENSMUSG0	3485.258	-0.1141	0.228227	-0.49994	0.617118	0.927148	ENSMUSG0 Tmed8
ENSMUSG0	4367.624	-0.17007	0.340203	-0.49992	0.617134	0.927148	ENSMUSG0 Spcs1
ENSMUSG0	2193.142	-0.07622	0.152532	-0.4997	0.617285	0.927161	ENSMUSG0 Idh3g
ENSMUSG0	948.5998	-0.11315	0.226491	-0.49958	0.617371	0.927161	ENSMUSG0 Arnt
ENSMUSG0	456.4688	0.087794	0.175767	0.499488	0.617436	0.927161	ENSMUSG0 Lrrc24
ENSMUSG0	4.482495	0.429978	0.860872	0.499468	0.617449	0.927161	ENSMUSG0 Ms4a14
ENSMUSG0	1738.483	-0.08687	0.173947	-0.49938	0.617513	0.927161	ENSMUSG0 Lrrc47
ENSMUSG0	2160.327	0.06268	0.12553	0.499327	0.617549	0.927161	ENSMUSG0 Tcaf1
ENSMUSG0	3.589954	-0.39895	0.799146	-0.49923	0.617621	0.927161	ENSMUSG0 4930597O2
ENSMUSG0	11.38305	-0.272	0.544884	-0.49918	0.61765	0.927161	ENSMUSG0 Gm4356
ENSMUSG0	641.7514	-0.11221	0.224835	-0.49909	0.617718	0.927161	ENSMUSG0 Tmem159
ENSMUSG0	35.72706	0.277164	0.555373	0.49906	0.617737	0.927161	ENSMUSG0 Slc16a3
ENSMUSG0	1853.212	-0.11821	0.236913	-0.49896	0.617804	0.927161	ENSMUSG0 Nemf
ENSMUSG0	1347.542	-0.11239	0.225249	-0.49894	0.617822	0.927161	ENSMUSG0 Pgp
ENSMUSG0	6.227712	0.418278	0.838634	0.498762	0.617947	0.927161	ENSMUSG0 6820408C1
ENSMUSG0	880.9594	-0.16726	0.335394	-0.4987	0.617993	0.927161	ENSMUSG0 Gm42715
ENSMUSG0	907.8225	0.110342	0.221268	0.498678	0.618006	0.927161	ENSMUSG0 Abcb8
ENSMUSG0	377.3353	-0.74696	1.498305	-0.49854	0.618106	0.927161	ENSMUSG0 Ighg3
ENSMUSG0	4.540074	0.399926	0.802267	0.498495	0.618135	0.927161	ENSMUSG0 Gm45719
ENSMUSG0	3.276519	0.412226	0.827067	0.49842	0.618188	0.927161	ENSMUSG0 Gm26944
ENSMUSG0	10.23256	-0.25165	0.505004	-0.49832	0.618259	0.927161	ENSMUSG0 Doc2a
ENSMUSG0	417.7858	0.234931	0.471492	0.49827	0.618294	0.927161	ENSMUSG0 Dusp2
ENSMUSG0	159.5234	-0.17973	0.360783	-0.49817	0.618367	0.927161	ENSMUSG0 Trib3
ENSMUSG0	1296.917	-0.09376	0.188301	-0.49793	0.618536	0.927161	ENSMUSG0 Kat2b

ENSMUSG0	1748.863	0.127366	0.2558	0.497911	0.618547	0.927161	ENSMUSG0 Agap1
ENSMUSG0	236.408	0.216571	0.434983	0.497883	0.618566	0.927161	ENSMUSG0 Lfng
ENSMUSG0	887.9456	-0.10143	0.203758	-0.49781	0.618617	0.927161	ENSMUSG0 Usp10
ENSMUSG0	572.4378	-0.06613	0.132856	-0.49777	0.618648	0.927161	ENSMUSG0 Rnf215
ENSMUSG0	3.167406	0.500067	1.004746	0.497706	0.618692	0.927161	ENSMUSG0 Gm17501
ENSMUSG0	80.48377	0.204003	0.41004	0.497521	0.618822	0.927161	ENSMUSG0 Cdca8
ENSMUSG0	274.6436	0.076306	0.153398	0.497439	0.618879	0.927161	ENSMUSG0 Rbbp9
ENSMUSG0	1550.562	0.08909	0.179101	0.497427	0.618888	0.927161	ENSMUSG0 Capn7
ENSMUSG0	62.31737	0.19607	0.39418	0.497412	0.618898	0.927161	ENSMUSG0 Tnnc1
ENSMUSG0	3.019524	-0.55358	1.112949	-0.4974	0.618909	0.927161	ENSMUSG0 Gm14021
ENSMUSG0	35.23641	-0.18451	0.370985	-0.49735	0.618944	0.927161	ENSMUSG0 Prr16
ENSMUSG0	15.85227	0.50646	1.01847	0.497276	0.618994	0.927161	ENSMUSG0 Ifng
ENSMUSG0	927.7364	-0.06603	0.132783	-0.49727	0.619001	0.927161	ENSMUSG0 Plppr2
ENSMUSG0	952.2294	-0.09361	0.188241	-0.49726	0.619004	0.927161	ENSMUSG0 Pgam5
ENSMUSG0	137.546	0.118939	0.239214	0.497207	0.619043	0.927161	ENSMUSG0 Nit2
ENSMUSG0	579.627	-0.16007	0.321963	-0.49718	0.619064	0.927161	ENSMUSG0 Ace
ENSMUSG0	25.87428	0.316861	0.637347	0.497157	0.619079	0.927161	ENSMUSG0 Fcrl5
ENSMUSG0	3.434678	0.51069	1.027786	0.496884	0.619271	0.927161	ENSMUSG0 Gm14429
ENSMUSG0	1612.283	0.087379	0.175869	0.496844	0.619299	0.927161	ENSMUSG0 Btbd1
ENSMUSG0	529.3664	0.146701	0.295279	0.496822	0.619314	0.927161	ENSMUSG0 Ssh2
ENSMUSG0	617.4294	0.150526	0.302993	0.496798	0.619331	0.927161	ENSMUSG0 Etv3
ENSMUSG0	7.789686	0.388254	0.781607	0.496739	0.619373	0.927161	ENSMUSG0 Gm47370
ENSMUSG0	10.20101	0.560805	1.129065	0.496698	0.619402	0.927161	ENSMUSG0 9330175E1
ENSMUSG0	886.6716	0.094746	0.190754	0.496694	0.619405	0.927161	ENSMUSG0 Pcyt1b
ENSMUSG0	9510.263	-0.07549	0.152005	-0.49664	0.619442	0.927161	ENSMUSG0 Prnp
ENSMUSG0	7.20822	0.314252	0.632847	0.496569	0.619493	0.927161	ENSMUSG0 Gm5134
ENSMUSG0	38.35102	-0.24413	0.491657	-0.49655	0.619505	0.927161	ENSMUSG0 E2f7
ENSMUSG0	32.31998	0.250795	0.505317	0.496312	0.619674	0.927228	ENSMUSG0 4732440D0
ENSMUSG0	4.02111	-0.46841	0.943877	-0.49626	0.619708	0.927228	ENSMUSG0 Rpl23a-ps2
ENSMUSG0	12.55947	0.271489	0.547096	0.496237	0.619727	0.927228	ENSMUSG0 Bmp5
ENSMUSG0	175.1563	0.128426	0.258812	0.496215	0.619743	0.927228	ENSMUSG0 Tcf19
ENSMUSG0	1164.854	-0.16652	0.335719	-0.496	0.619897	0.927387	ENSMUSG0 Armcx4
ENSMUSG0	187.6913	0.143977	0.290375	0.495832	0.620013	0.927488	ENSMUSG0 Jcad
ENSMUSG0	108.2841	0.221535	0.44708	0.495515	0.620236	0.927629	ENSMUSG0 5830444B0
ENSMUSG0	21.17822	-0.22247	0.448981	-0.4955	0.620248	0.927629	ENSMUSG0 1700084E1
ENSMUSG0	485.128	0.094167	0.190096	0.495365	0.620342	0.927629	ENSMUSG0 Etv6
ENSMUSG0	1864.586	-0.16879	0.340837	-0.49522	0.620444	0.927629	ENSMUSG0 Cox5a
ENSMUSG0	2215.998	-0.08671	0.175101	-0.49519	0.620469	0.927629	ENSMUSG0 Lonp1
ENSMUSG0	141.9764	0.155593	0.314213	0.495184	0.62047	0.927629	ENSMUSG0 Klhdc9
ENSMUSG0	97.54157	0.179999	0.363526	0.495148	0.620496	0.927629	ENSMUSG0 Dancr
ENSMUSG0	605.3987	0.1377	0.278102	0.495143	0.620499	0.927629	ENSMUSG0 Resf1
ENSMUSG0	1797.65	-0.15376	0.310566	-0.49508	0.620541	0.927629	ENSMUSG0 Ccdc85b
ENSMUSG0	5.107653	-0.48459	0.979261	-0.49485	0.620704	0.927765	ENSMUSG0 Hmgb1-ps3
ENSMUSG0	12.52297	0.284705	0.575457	0.494746	0.620779	0.927765	ENSMUSG0 1700016K1
ENSMUSG0	594.3391	-0.06343	0.128237	-0.49465	0.620849	0.927765	ENSMUSG0 Hspa14
ENSMUSG0	104.8029	0.131018	0.264896	0.4946	0.620882	0.927765	ENSMUSG0 Rnf122
ENSMUSG0	4.64168	0.374437	0.757186	0.494511	0.620945	0.927765	ENSMUSG0 Gm49300
ENSMUSG0	1117.62	-0.10135	0.204963	-0.49449	0.620962	0.927765	ENSMUSG0 REXO2
ENSMUSG0	779.5899	-0.05926	0.119845	-0.49448	0.62097	0.927765	ENSMUSG0 Gtf3c5
ENSMUSG0	176.2707	-0.11445	0.231561	-0.49427	0.621114	0.927908	ENSMUSG0 Zfp874b
ENSMUSG0	258.2499	0.165993	0.336005	0.494021	0.621292	0.928	ENSMUSG0 Sacs
ENSMUSG0	631.9712	0.082811	0.16763	0.494009	0.6213	0.928	ENSMUSG0 Epb4115

ENSMUSG0	3.020717	-0.4704	0.952255	-0.49398	0.62132	0.928	ENSMUSG0 Gm27021
ENSMUSG0	1064.788	-0.06974	0.141263	-0.49372	0.621507	0.928087	ENSMUSG0 Suc1g2
ENSMUSG0	3.463677	-0.50972	1.032723	-0.49357	0.621612	0.928087	ENSMUSG0 Gm10284
ENSMUSG0	194.4812	0.105428	0.213734	0.493268	0.621823	0.928087	ENSMUSG0 Oxsm
ENSMUSG0	12.68296	-0.32524	0.659373	-0.49326	0.621828	0.928087	ENSMUSG09330179D1
ENSMUSG0	1396.984	-0.17954	0.364012	-0.49323	0.621848	0.928087	ENSMUSG0 Ndufab1
ENSMUSG0	88.47659	0.169715	0.344088	0.493233	0.621848	0.928087	ENSMUSG0 Ect2
ENSMUSG0	568.7186	-0.10326	0.209367	-0.49319	0.621875	0.928087	ENSMUSG0 Dennd6b
ENSMUSG0	959.3877	-0.09448	0.191624	-0.49307	0.62196	0.928087	ENSMUSG0 Vmp1
ENSMUSG0	1884.869	-0.12203	0.247506	-0.49303	0.621991	0.928087	ENSMUSG0 Vps51
ENSMUSG0	1794.375	-0.09944	0.201706	-0.49301	0.622006	0.928087	ENSMUSG0 Atf2
ENSMUSG0	605.6458	-0.09784	0.198496	-0.49293	0.622065	0.928087	ENSMUSG0 Snap23
ENSMUSG0	247.3161	-0.09768	0.198178	-0.4929	0.622081	0.928087	ENSMUSG04931428F0
ENSMUSG0	1286.224	-0.10704	0.217159	-0.49289	0.622089	0.928087	ENSMUSG0 Glrx3
ENSMUSG0	5735.577	-0.09012	0.182862	-0.49286	0.622113	0.928087	ENSMUSG0 Cct5
ENSMUSG0	10.80037	-0.27168	0.551296	-0.4928	0.622155	0.928087	ENSMUSG04930518115
ENSMUSG0	3.311051	0.590906	1.199312	0.492704	0.622222	0.928087	ENSMUSG0 Htr2a
ENSMUSG0	162.2822	0.133777	0.271517	0.492704	0.622222	0.928087	ENSMUSG0 Helb
ENSMUSG0	4.993325	0.643802	1.306766	0.492668	0.622247	0.928087	ENSMUSG0 Spaca7
ENSMUSG0	861.8923	-0.06368	0.129296	-0.49249	0.62237	0.928175	ENSMUSG0 Chic2
ENSMUSG0	3.538911	-0.95411	1.937551	-0.49243	0.622415	0.928175	ENSMUSG0 H2ac12
ENSMUSG0	351.8296	0.12151	0.246837	0.49227	0.622529	0.928175	ENSMUSG0 Fam167a
ENSMUSG0	136.6385	-0.13435	0.273013	-0.4921	0.622646	0.928175	ENSMUSG0 Zfat
ENSMUSG0	3.978739	-0.48761	0.990955	-0.49206	0.622679	0.928175	ENSMUSG0 Gm44064
ENSMUSG0	80.66959	-0.17313	0.351894	-0.492	0.622721	0.928175	ENSMUSG02310040G2
ENSMUSG0	3.410829	0.484542	0.984887	0.491977	0.622735	0.928175	ENSMUSG0 Lpar3
ENSMUSG0	902.4072	-0.06993	0.142134	-0.49198	0.622736	0.928175	ENSMUSG0 Ccm2
ENSMUSG0	2958.868	-0.06654	0.135267	-0.49192	0.622777	0.928175	ENSMUSG0 Kdm1a
ENSMUSG0	1343.246	-0.0683	0.138852	-0.4919	0.622788	0.928175	ENSMUSG0 Drosha
ENSMUSG0	454.3257	-0.1139	0.231629	-0.49172	0.62292	0.928299	ENSMUSG0 Rmc1
ENSMUSG0	71.38846	0.226594	0.460959	0.49157	0.623023	0.928305	ENSMUSG0 Slc7a3
ENSMUSG0	6962.76	-0.14743	0.299968	-0.49147	0.623091	0.928305	ENSMUSG0 Rps23-ps1
ENSMUSG0	259.099	0.105806	0.215306	0.491424	0.623126	0.928305	ENSMUSG0 Dcaf4
ENSMUSG0	32.52687	-0.35506	0.722523	-0.49141	0.623135	0.928305	ENSMUSG0 Gm37758
ENSMUSG0	470.0678	-0.08868	0.18049	-0.4913	0.623213	0.928305	ENSMUSG0 Manbal
ENSMUSG0	1081.025	-0.0999	0.203363	-0.49124	0.623254	0.928305	ENSMUSG0 Cux1
ENSMUSG0	1889.781	-0.10287	0.209436	-0.4912	0.623288	0.928305	ENSMUSG0 Samd4b
ENSMUSG0	11.70104	-0.30656	0.624223	-0.4911	0.623355	0.928305	ENSMUSG0 Gm6061
ENSMUSG0	35.05291	-0.31555	0.642542	-0.4911	0.623358	0.928305	ENSMUSG0 Gm37899
ENSMUSG0	420.6091	-0.10881	0.221668	-0.49085	0.623533	0.928493	ENSMUSG0 Dhrrs7b
ENSMUSG0	811.0391	-0.07362	0.150053	-0.49065	0.623672	0.928629	ENSMUSG0 Emd
ENSMUSG0	15.52089	0.296516	0.604657	0.490387	0.62386	0.928837	ENSMUSG0A530032D1
ENSMUSG0	594.2703	0.128752	0.262608	0.490281	0.623935	0.928837	ENSMUSG0 Morc3
ENSMUSG0	21.49192	0.194679	0.397101	0.490251	0.623956	0.928837	ENSMUSG0 Ttk
ENSMUSG0	346.3776	-0.1418	0.289337	-0.49009	0.624074	0.928926	ENSMUSG0 Nnt
ENSMUSG0	3498.737	0.093135	0.19006	0.490029	0.624113	0.928926	ENSMUSG0 Rdx
ENSMUSG0	906.4703	0.125102	0.255401	0.489827	0.624257	0.929068	ENSMUSG0 Cdon
ENSMUSG0	8.385148	-0.30267	0.618016	-0.48974	0.62432	0.929072	ENSMUSG0 Gm37052
ENSMUSG0	372.0214	0.083654	0.170834	0.489681	0.624359	0.929072	ENSMUSG0 Racgap1
ENSMUSG0	439.4663	0.162787	0.332479	0.489617	0.624405	0.929072	ENSMUSG0 Morn2
ENSMUSG0	202.8039	-0.11162	0.228106	-0.48932	0.624617	0.929255	ENSMUSG0 Mtrf1l
ENSMUSG0	37.33431	-0.18499	0.378061	-0.48931	0.624624	0.929255	ENSMUSG0Tmem147o

ENSMUSG0	2278.942	0.093169	0.190438	0.489238	0.624673	0.929256	ENSMUSG0 Tug1
ENSMUSG0	567.6374	0.077553	0.158572	0.489068	0.624793	0.929273	ENSMUSG0 Ubxn2b
ENSMUSG0	2138.769	0.067392	0.137827	0.48896	0.62487	0.929273	ENSMUSG0 Firre
ENSMUSG0	4.777105	-0.51378	1.050848	-0.48892	0.624901	0.929273	ENSMUSG0 Gm5857
ENSMUSG0	6400.198	-0.12358	0.252793	-0.48888	0.62493	0.929273	ENSMUSG0 Prdx6
ENSMUSG0	313.7521	-0.10273	0.210146	-0.48884	0.624958	0.929273	ENSMUSG0 Mocs3
ENSMUSG0	472.8381	-0.1061	0.217061	-0.48881	0.624975	0.929273	ENSMUSG0 Ganc
ENSMUSG0	734.0079	-0.11017	0.225435	-0.48869	0.625059	0.929317	ENSMUSG0 Mtif3
ENSMUSG0	186.1004	-0.11444	0.234205	-0.48863	0.6251	0.929317	ENSMUSG0 Gemin6
ENSMUSG0	1967.184	-0.0743	0.152115	-0.48842	0.625249	0.92944	ENSMUSG0 Rab5c
ENSMUSG0	3.187424	-0.55334	1.133016	-0.48838	0.62528	0.92944	ENSMUSG0 Gm48334
ENSMUSG0	90.59447	-0.28233	0.578293	-0.48821	0.6254	0.929546	ENSMUSG0 Gm8186
ENSMUSG0	1261.758	0.105407	0.215954	0.488101	0.625478	0.929548	ENSMUSG0 Tuft1
ENSMUSG0	4273.726	-0.11008	0.225541	-0.48807	0.625498	0.929548	ENSMUSG0 Gm11808
ENSMUSG0	5.876681	0.446595	0.915468	0.487832	0.625669	0.929659	ENSMUSG0 Fsd2
ENSMUSG0	72.9779	0.112537	0.230848	0.487494	0.625909	0.929875	ENSMUSG0 Mospd1
ENSMUSG0	19.04535	0.203605	0.41766	0.487491	0.625911	0.929875	ENSMUSG0 Atad3aas
ENSMUSG0	63.51236	0.119478	0.245218	0.487231	0.626095	0.929979	ENSMUSG0 Gins3
ENSMUSG0	10.15435	-1.15805	2.376813	-0.48723	0.626097	0.929979	ENSMUSG0 Elane
ENSMUSG0	1339.723	-0.11532	0.236701	-0.48719	0.626126	0.929979	ENSMUSG0 Exoc3
ENSMUSG0	559.6941	0.081858	0.168125	0.486886	0.626339	0.930166	ENSMUSG0 Rcan1
ENSMUSG0	54.31847	0.204762	0.420628	0.486801	0.6264	0.930166	ENSMUSG0 Map3k6
ENSMUSG0	829.662	-0.10515	0.216012	-0.48677	0.626418	0.930166	ENSMUSG0 Ifi35
ENSMUSG0	103.321	0.141562	0.290859	0.486702	0.626469	0.930166	ENSMUSG0 Efcc1
ENSMUSG0	806.2317	0.195608	0.401933	0.486668	0.626494	0.930166	ENSMUSG0 Lgals1
ENSMUSG0	2618.882	-0.13132	0.269929	-0.48651	0.626603	0.93023	ENSMUSG0 Adgrl1
ENSMUSG0	3825.143	-0.14176	0.291401	-0.48646	0.626639	0.93023	ENSMUSG0 Top1
ENSMUSG0	1457.958	0.074663	0.153502	0.486399	0.626684	0.93023	ENSMUSG0 Timm29
ENSMUSG0	22.31483	-0.20066	0.412605	-0.48633	0.62673	0.93023	ENSMUSG0 Gm48146
ENSMUSG0	12.50294	-0.28951	0.595446	-0.4862	0.626823	0.930273	ENSMUSG0 Gm49274
ENSMUSG0	433.6839	-0.16161	0.332432	-0.48616	0.626855	0.930273	ENSMUSG0 Zbtb8os
ENSMUSG0	22.0458	0.200287	0.412234	0.485859	0.627067	0.930427	ENSMUSG0 Gm43672
ENSMUSG0	3.377704	0.919953	1.893551	0.485835	0.627084	0.930427	ENSMUSG0 Gm43580
ENSMUSG0	1828.641	0.086053	0.177161	0.485731	0.627158	0.930427	ENSMUSG0 Znfx1
ENSMUSG0	378.0219	0.102442	0.210916	0.485699	0.627181	0.930427	ENSMUSG0 Gins4
ENSMUSG0	641.2252	-0.15751	0.324343	-0.48562	0.627237	0.930427	ENSMUSG0 Tcp11l2
ENSMUSG0	657.861	-0.15066	0.310293	-0.48553	0.627304	0.930435	ENSMUSG0 Zfp608
ENSMUSG0	1157.844	0.083641	0.172343	0.485315	0.627453	0.930459	ENSMUSG0 Tcf3
ENSMUSG0	1073.675	0.105603	0.217609	0.485285	0.627474	0.930459	ENSMUSG0 Tbc1d23
ENSMUSG0	562.2845	0.076864	0.158402	0.485246	0.627502	0.930459	ENSMUSG0 Hsd3b7
ENSMUSG0	1287.495	-0.12544	0.258562	-0.48515	0.627571	0.930459	ENSMUSG0 Sqor
ENSMUSG0	128.36	-0.15315	0.315738	-0.48506	0.627633	0.930459	ENSMUSG0 Gm49359
ENSMUSG0	1441.783	0.113049	0.233082	0.485019	0.627663	0.930459	ENSMUSG0 Gcc2
ENSMUSG0	2012.36	0.105395	0.217362	0.484882	0.62776	0.930459	ENSMUSG0 Hipk1
ENSMUSG0	343.1747	0.122106	0.251831	0.484874	0.627765	0.930459	ENSMUSG0 Bcl11a
ENSMUSG0	620.4229	-0.18549	0.382585	-0.48484	0.627791	0.930459	ENSMUSG0 Dcaf1
ENSMUSG0	626.4695	0.083621	0.172478	0.484821	0.627803	0.930459	ENSMUSG0 Pmepa1
ENSMUSG0	14.42771	0.219843	0.453527	0.48474	0.62786	0.930472	ENSMUSG0 Ccn5
ENSMUSG0	10.47519	0.403277	0.832061	0.484672	0.627909	0.930472	ENSMUSG0 Gm6712
ENSMUSG0	1123.32	0.13172	0.271951	0.484352	0.628136	0.930613	ENSMUSG0 Stat1
ENSMUSG0	532.3867	-0.0806	0.166445	-0.48424	0.628213	0.930613	ENSMUSG0 Ankrd16
ENSMUSG0	15.43666	0.319818	0.660478	0.484223	0.628228	0.930613	ENSMUSG05830428M;

ENSMUSG0	84.62859	-0.16545	0.341764	-0.48411	0.62831	0.930613	ENSMUSG0 Gm45051
ENSMUSG0	3.418434	-0.50093	1.03484	-0.48407	0.628336	0.930613	ENSMUSG0 Cd300lb
ENSMUSG0	1296.508	-0.07857	0.162341	-0.48399	0.628396	0.930613	ENSMUSG0 Wdr7
ENSMUSG0	3132.271	-0.09097	0.187964	-0.48396	0.628416	0.930613	ENSMUSG0 Pdcd6ip
ENSMUSG0	183.5706	-0.11514	0.237905	-0.48396	0.628417	0.930613	ENSMUSG0 Mrps22
ENSMUSG0	1146.829	-0.06248	0.129101	-0.48392	0.628439	0.930613	ENSMUSG0 Trim26
ENSMUSG0	611.7435	-0.12991	0.268572	-0.4837	0.628596	0.930774	ENSMUSG0 Aifm1
ENSMUSG0	1337.97	0.158164	0.327148	0.483463	0.628767	0.930796	ENSMUSG0 Naa35
ENSMUSG0	2627.955	-0.13989	0.289443	-0.48331	0.628876	0.930796	ENSMUSG0 Prune2
ENSMUSG0	1419.086	0.090794	0.187866	0.48329	0.62889	0.930796	ENSMUSG0 Iars
ENSMUSG0	2148.95	-0.11892	0.246089	-0.48325	0.628918	0.930796	ENSMUSG0 Setd5
ENSMUSG0	1086.593	0.081982	0.169656	0.483229	0.628933	0.930796	ENSMUSG0 Wdfy1
ENSMUSG0	7.838935	-0.31684	0.655742	-0.48318	0.628967	0.930796	ENSMUSG0 Gm30082
ENSMUSG0	1597.499	0.063588	0.131623	0.483105	0.629021	0.930796	ENSMUSG0 Unc119b
ENSMUSG0	48.05847	-0.21898	0.453305	-0.48306	0.62905	0.930796	ENSMUSG0 Vipr2
ENSMUSG0	2113.803	-0.08858	0.183466	-0.48282	0.629227	0.930796	ENSMUSG0 Mybbp1a
ENSMUSG0	7.095688	0.501682	1.039157	0.482778	0.629253	0.930796	ENSMUSG0 Gm49527
ENSMUSG0	370.927	0.082525	0.170963	0.482706	0.629304	0.930796	ENSMUSG0 Agpat2
ENSMUSG0	1401.661	0.088675	0.183713	0.482682	0.629321	0.930796	ENSMUSG0 Pgm1
ENSMUSG0	2493.714	-0.10694	0.221568	-0.48267	0.629328	0.930796	ENSMUSG0 Zc3h7b
ENSMUSG0	252.2081	-0.12932	0.267936	-0.48265	0.629347	0.930796	ENSMUSG0 Spef1
ENSMUSG0	3703.631	-0.13142	0.272309	-0.48261	0.629373	0.930796	ENSMUSG0 Ndubf11
ENSMUSG0	69.94227	0.140066	0.290238	0.482591	0.629386	0.930796	ENSMUSG0 Zik1
ENSMUSG0	765.1977	-0.08931	0.185119	-0.48245	0.629488	0.930816	ENSMUSG0 Chmp1b
ENSMUSG0	473.5447	0.098053	0.203256	0.482412	0.629513	0.930816	ENSMUSG0 Cdc40
ENSMUSG0	785.9879	-0.06156	0.127626	-0.48237	0.629545	0.930816	ENSMUSG0 Usp21
ENSMUSG0	7.834698	-0.30532	0.633077	-0.48228	0.629609	0.93084	ENSMUSG0 Gm5786
ENSMUSG0	26.71894	0.168403	0.349247	0.482188	0.629672	0.930862	ENSMUSG0 2610318NC
ENSMUSG0	3.703055	0.587297	1.218463	0.481999	0.629807	0.930989	ENSMUSG0 Gm34376
ENSMUSG0	330.1619	-0.15129	0.314038	-0.48174	0.629988	0.931009	ENSMUSG0 2810402E2
ENSMUSG0	36.77372	0.293024	0.60826	0.481742	0.629989	0.931009	ENSMUSG0 C1qtnf9
ENSMUSG0	316.2985	-0.11246	0.233487	-0.48166	0.630049	0.931009	ENSMUSG0 Tepsin
ENSMUSG0	67.60275	-0.50993	1.058741	-0.48164	0.630062	0.931009	ENSMUSG0 Ifi205
ENSMUSG0	559.444	-0.10559	0.219281	-0.48151	0.630154	0.931074	ENSMUSG0 Stk26
ENSMUSG0	10.24568	0.306278	0.636261	0.481372	0.630252	0.931113	ENSMUSG0 Sycp2
ENSMUSG0	3.72762	0.401981	0.835481	0.481137	0.630419	0.931113	ENSMUSG0 Gm11973
ENSMUSG0	1318.721	0.092939	0.193232	0.480971	0.630537	0.931113	ENSMUSG0 Cstf2t
ENSMUSG0	1371.924	-0.07321	0.152219	-0.48092	0.63057	0.931113	ENSMUSG0 Rap1a
ENSMUSG0	2348.979	-0.1289	0.268029	-0.4809	0.630585	0.931113	ENSMUSG0 Mien1
ENSMUSG0	232.5791	-0.14294	0.29726	-0.48086	0.630613	0.931113	ENSMUSG0 Apool
ENSMUSG0	804.3674	-0.08259	0.17176	-0.48086	0.630614	0.931113	ENSMUSG0 Pdk1
ENSMUSG0	3573.825	-0.08112	0.168692	-0.48086	0.630616	0.931113	ENSMUSG0 Pdia4
ENSMUSG0	9189.546	-0.11096	0.230759	-0.48086	0.630616	0.931113	ENSMUSG0 Eif4g1
ENSMUSG0	143.4552	0.158633	0.330022	0.480673	0.630749	0.931237	ENSMUSG0 Nemp1
ENSMUSG0	12.94846	-0.24195	0.503493	-0.48054	0.630845	0.931302	ENSMUSG0 Tex38
ENSMUSG0	15.85387	-0.3085	0.642082	-0.48048	0.63089	0.931302	ENSMUSG0 Gm43696
ENSMUSG0	177.2016	0.143894	0.299782	0.479995	0.631231	0.931662	ENSMUSG0 Magohb
ENSMUSG0	7.134353	-0.33763	0.703548	-0.4799	0.631302	0.931696	ENSMUSG0 Gm47813
ENSMUSG0	100.4124	-0.17499	0.364752	-0.47975	0.631403	0.931774	ENSMUSG0 Asb4
ENSMUSG0	177.519	0.235983	0.49203	0.479612	0.631503	0.93185	ENSMUSG0 Tnfrsf13c
ENSMUSG0	1944.243	-0.09754	0.203454	-0.47942	0.631643	0.931916	ENSMUSG0 Laptm4b
ENSMUSG0	861.6487	-0.12549	0.261759	-0.47941	0.631645	0.931916	ENSMUSG0 Zbtb44

ENSMUSG0	21096.15	-0.1107	0.230949	-0.47934	0.6317	0.931926	ENSMUSG0 Rplp1
ENSMUSG0	51.4058	0.157751	0.329175	0.479233	0.631773	0.931962	ENSMUSG0 Ebf4
ENSMUSG0	16.41191	0.299439	0.624991	0.47911	0.63186	0.932019	ENSMUSG0 Ggt6
ENSMUSG0	5.53824	0.426238	0.890215	0.478804	0.632078	0.932221	ENSMUSG0 Gm6627
ENSMUSG0	5.19743	0.425259	0.888442	0.478657	0.632182	0.932221	ENSMUSG0 Gm49096
ENSMUSG0	67.47073	-0.46191	0.965025	-0.47865	0.632187	0.932221	ENSMUSG0 Ptgs2
ENSMUSG0	139.4809	0.229117	0.478679	0.478646	0.632191	0.932221	ENSMUSG0 Btk
ENSMUSG0	1732.685	-0.10379	0.216898	-0.47852	0.63228	0.932281	ENSMUSG0 Tnp03
ENSMUSG0	264.044	-0.12256	0.256166	-0.47844	0.632334	0.932289	ENSMUSG0 Gm49396
ENSMUSG0	136.606	-0.11388	0.238096	-0.4783	0.632435	0.932367	ENSMUSG0 Alkbh2
ENSMUSG0	196.6867	0.097201	0.203261	0.478208	0.632503	0.932384	ENSMUSG0 Pusl1
ENSMUSG0	549.642	0.086468	0.180839	0.47815	0.632543	0.932384	ENSMUSG0 Ddhd1
ENSMUSG0	4.712205	-0.46832	0.97962	-0.47806	0.632609	0.932408	ENSMUSG0 Gm8153
ENSMUSG0	43.03217	0.308491	0.645427	0.477965	0.632675	0.932435	ENSMUSG0 Cxcl1
ENSMUSG0	5382.445	-0.14431	0.302131	-0.47763	0.632911	0.932611	ENSMUSG0 Atp5g3
ENSMUSG0	162.6478	-0.11649	0.243913	-0.4776	0.632933	0.932611	ENSMUSG0 Dimt1
ENSMUSG0	31.95751	0.216851	0.454054	0.477589	0.632943	0.932611	ENSMUSG0D130040H2
ENSMUSG0	270.8772	0.099031	0.207385	0.477525	0.632988	0.932611	ENSMUSG0 Eid2b
ENSMUSG0	6.478764	-0.37454	0.785173	-0.47701	0.633354	0.933063	ENSMUSG0 Gm15915
ENSMUSG0	109.4643	0.125634	0.263423	0.476928	0.633413	0.933063	ENSMUSG0 Gm14296
ENSMUSG0	88.83814	-0.11668	0.24469	-0.47685	0.633471	0.933063	ENSMUSG0 Zfp354b
ENSMUSG0	31.25786	0.199277	0.417927	0.476821	0.633489	0.933063	ENSMUSG0 Naalad2
ENSMUSG0	54.57165	0.136224	0.285839	0.476576	0.633664	0.933068	ENSMUSG0 Psmc3ip
ENSMUSG0	879.3258	0.124926	0.262139	0.476563	0.633673	0.933068	ENSMUSG0 Bms1
ENSMUSG0	201.5762	0.296003	0.621132	0.476554	0.63368	0.933068	ENSMUSG0 Cd2
ENSMUSG0	293.7118	-0.12721	0.266955	-0.47651	0.633714	0.933068	ENSMUSG0 Traf5
ENSMUSG0	525.7193	0.078932	0.165658	0.476476	0.633735	0.933068	ENSMUSG0 Echdc1
ENSMUSG0	30.79093	-0.23985	0.503843	-0.47605	0.634041	0.93316	ENSMUSG0 Hoxd8
ENSMUSG0	1259.986	-0.13239	0.27815	-0.47596	0.634103	0.93316	ENSMUSG0 Arhgef11
ENSMUSG0	8.791856	-0.29248	0.614551	-0.47592	0.634132	0.93316	ENSMUSG0 Gm37967
ENSMUSG0	420.1742	-0.10399	0.218527	-0.47586	0.634171	0.93316	ENSMUSG0 Dhhdh
ENSMUSG0	2228.405	-0.06073	0.127635	-0.47585	0.634183	0.93316	ENSMUSG0 Ankrd40
ENSMUSG0	814.8281	0.107962	0.226921	0.475768	0.63424	0.93316	ENSMUSG0 Fhod3
ENSMUSG0	44.15062	-0.20819	0.437587	-0.47576	0.634244	0.93316	ENSMUSG0 BC049715
ENSMUSG0	76.27706	0.466309	0.980137	0.475759	0.634246	0.93316	ENSMUSG0 Ptgis
ENSMUSG0	54.50199	-0.17325	0.364162	-0.47575	0.63425	0.93316	ENSMUSG0 Bcl2l14
ENSMUSG0	3.494927	0.377436	0.793741	0.475515	0.63442	0.93316	ENSMUSG0 Gm43267
ENSMUSG0	246.124	0.099072	0.208382	0.475437	0.634476	0.93316	ENSMUSG0 Riox1
ENSMUSG0	596.8877	-0.08724	0.183509	-0.47542	0.634488	0.93316	ENSMUSG0 Mcat
ENSMUSG0	396.9244	-0.11597	0.243944	-0.47539	0.634509	0.93316	ENSMUSG0 Naa16
ENSMUSG0	596.274	-0.06423	0.135145	-0.47526	0.634603	0.93316	ENSMUSG0 Zfyve19
ENSMUSG0	3.295463	0.46747	0.984234	0.474959	0.634816	0.93316	ENSMUSG0 Gm20544
ENSMUSG0	5.455276	-0.34569	0.727867	-0.47494	0.63483	0.93316	ENSMUSG0 Gm50341
ENSMUSG0	1958.476	-0.08688	0.182944	-0.47491	0.634852	0.93316	ENSMUSG0 Ncoa4
ENSMUSG0	295.5677	-0.1352	0.284746	-0.47481	0.634921	0.93316	ENSMUSG0 Sergef
ENSMUSG0	1071.304	-0.06871	0.144727	-0.47478	0.634944	0.93316	ENSMUSG0 Stau2
ENSMUSG0	1958.465	-0.05988	0.126131	-0.47476	0.634962	0.93316	ENSMUSG0 Hdac1
ENSMUSG0	257.8741	0.143262	0.301801	0.474689	0.635009	0.93316	ENSMUSG0 Ubxn11
ENSMUSG0	1782.858	-0.08756	0.184469	-0.47468	0.635014	0.93316	ENSMUSG0 Znrf2
ENSMUSG0	26.96631	-0.18134	0.382035	-0.47466	0.63503	0.93316	ENSMUSG0 Gm12655
ENSMUSG0	14.27013	-0.22567	0.475463	-0.47463	0.635048	0.93316	ENSMUSG04921534A0
ENSMUSG0	133.145	0.274841	0.579143	0.474565	0.635097	0.93316	ENSMUSG0 Dpt

ENSMUSG0	3.641004	0.466634	0.983405	0.474508	0.635138	0.93316	ENSMUSG04632418H0
ENSMUSG0	10965	-0.08921	0.18803	-0.47446	0.63517	0.93316	ENSMUSG0 Prkacb
ENSMUSG0	53.03102	0.373882	0.788457	0.474194	0.635361	0.93316	ENSMUSG0 Timd4
ENSMUSG0	531.7976	-0.05305	0.111939	-0.47391	0.635567	0.93316	ENSMUSG0 Ppm1d
ENSMUSG0	33.67175	0.15596	0.329108	0.473887	0.63558	0.93316	ENSMUSG0 Tmem35a
ENSMUSG0	65.79231	0.265239	0.559739	0.473862	0.635599	0.93316	ENSMUSG0 Casp4
ENSMUSG0	805.955	-0.08777	0.185236	-0.47381	0.635637	0.93316	ENSMUSG0 Polr3gl
ENSMUSG0	284.5688	-0.09858	0.208063	-0.47378	0.635657	0.93316	ENSMUSG0 Lins1
ENSMUSG0	794.0507	-0.1281	0.270388	-0.47378	0.635657	0.93316	ENSMUSG0 Tmem98
ENSMUSG0	18.24421	-0.20377	0.430134	-0.47374	0.635686	0.93316	ENSMUSG0 Gm17753
ENSMUSG0	231.8559	0.111284	0.23492	0.473708	0.635708	0.93316	ENSMUSG0 Gpatch3
ENSMUSG0	1374.755	-0.06526	0.137772	-0.4737	0.635711	0.93316	ENSMUSG0 Shfl
ENSMUSG0	11.24745	0.322176	0.680152	0.473682	0.635727	0.93316	ENSMUSG0B230303A0
ENSMUSG0	361.9664	0.078337	0.165384	0.473666	0.635738	0.93316	ENSMUSG0 Tradd
ENSMUSG0	5595.609	-0.08753	0.18482	-0.47358	0.635799	0.933178	ENSMUSG0 Eif4a1
ENSMUSG0	11.72272	0.510134	1.077595	0.4734	0.635928	0.933226	ENSMUSG0 Syt8
ENSMUSG0	722.1449	-0.1488	0.314352	-0.47336	0.635953	0.933226	ENSMUSG0 Aqp11
ENSMUSG0	749.7326	0.09038	0.190966	0.473278	0.636015	0.933226	ENSMUSG0 Sap18
ENSMUSG0	11462.64	-0.10478	0.221404	-0.47323	0.636047	0.933226	ENSMUSG0 Spint2
ENSMUSG0	396.8541	-0.08501	0.1797	-0.47304	0.636182	0.933226	ENSMUSG0 Zbtb24
ENSMUSG0	557.5507	-0.12311	0.260314	-0.47294	0.636255	0.933226	ENSMUSG0 Zbtb33
ENSMUSG0	1274.049	-0.07655	0.161927	-0.47276	0.636381	0.933226	ENSMUSG0 Eloa
ENSMUSG0	37.4057	-0.15979	0.338001	-0.47276	0.636385	0.933226	ENSMUSG0 Paupar
ENSMUSG0	117.807	0.158682	0.335678	0.472721	0.636412	0.933226	ENSMUSG0 Stxbp5l
ENSMUSG0	415.7758	-0.11407	0.241387	-0.47255	0.636536	0.933226	ENSMUSG0 Dtd2
ENSMUSG0	1196.815	-0.08063	0.170627	-0.47253	0.636548	0.933226	ENSMUSG0 Ift52
ENSMUSG0	1530.809	-0.09271	0.196216	-0.47247	0.636595	0.933226	ENSMUSG0 Adipor2
ENSMUSG0	3.640571	-0.38267	0.809953	-0.47246	0.636599	0.933226	ENSMUSG01700037C0
ENSMUSG0	872.8199	-0.13962	0.295664	-0.47222	0.636773	0.933226	ENSMUSG0 Srf
ENSMUSG0	2997.031	-0.06927	0.146705	-0.47214	0.636826	0.933226	ENSMUSG0 Chtop
ENSMUSG0	34.68368	-0.20018	0.42408	-0.47202	0.636911	0.933226	ENSMUSG0 Prelid2
ENSMUSG0	1355.108	-0.05865	0.12425	-0.47201	0.636921	0.933226	ENSMUSG0 Akt1s1
ENSMUSG0	4.425446	-0.45288	0.959502	-0.47199	0.636931	0.933226	ENSMUSG0 Gm17115
ENSMUSG0	730.8921	0.134199	0.284358	0.471937	0.636972	0.933226	ENSMUSG0 Mrpl27
ENSMUSG0	6764.561	-0.07211	0.152813	-0.47191	0.63699	0.933226	ENSMUSG0 Mapk3
ENSMUSG0	73.98069	-0.24938	0.528443	-0.47191	0.636994	0.933226	ENSMUSG0 Vpreb3
ENSMUSG0	714.9679	-0.0881	0.186692	-0.47189	0.637007	0.933226	ENSMUSG0 Zfp335
ENSMUSG0	5796.594	-0.08466	0.179454	-0.47178	0.637082	0.933226	ENSMUSG0 Ppp1cb
ENSMUSG0	6.578726	-0.37053	0.78573	-0.47157	0.637233	0.933226	ENSMUSG0 AW046200
ENSMUSG0	709.8232	-0.10488	0.222422	-0.47155	0.637246	0.933226	ENSMUSG0 Ambp
ENSMUSG0	390.9472	0.13802	0.292742	0.471473	0.637303	0.933226	ENSMUSG0 Zeb1
ENSMUSG0	4.704094	0.35233	0.747307	0.471466	0.637308	0.933226	ENSMUSG0 Foxo6os
ENSMUSG0	316.3874	-0.09847	0.20886	-0.47145	0.637323	0.933226	ENSMUSG0 Npm3
ENSMUSG0	207.6899	-0.06948	0.147439	-0.47127	0.637448	0.933226	ENSMUSG0 Mtfmt
ENSMUSG0	2394.483	-0.10505	0.223005	-0.47109	0.637578	0.933226	ENSMUSG0 Swi5
ENSMUSG0	1331.804	-0.09285	0.197102	-0.47107	0.637594	0.933226	ENSMUSG0 Zcchc2
ENSMUSG0	446.0737	0.211194	0.44836	0.471036	0.637615	0.933226	ENSMUSG0 Ciita
ENSMUSG0	1292.197	-0.12545	0.266361	-0.471	0.637644	0.933226	ENSMUSG0 Eif2ak3
ENSMUSG0	1031.517	0.056585	0.120156	0.470931	0.63769	0.933226	ENSMUSG0 Pik3c3
ENSMUSG0	2313.524	-0.06984	0.148304	-0.4709	0.63771	0.933226	ENSMUSG0 Dnajb6
ENSMUSG0	2633.12	0.081139	0.172338	0.470816	0.637772	0.933226	ENSMUSG0 Clptm1
ENSMUSG0	19.1639	-0.29173	0.619637	-0.47081	0.637775	0.933226	ENSMUSG0 Gm9926

ENSMUSG0	2375.541	-0.05833	0.123893	-0.47079	0.637794	0.933226	ENSMUSG0 Ddx41
ENSMUSG0	72.35683	0.108811	0.231129	0.470782	0.637796	0.933226	ENSMUSG02500004C0
ENSMUSG0	4410.367	0.067243	0.142836	0.470774	0.637802	0.933226	ENSMUSG0 Cenpb
ENSMUSG0	3.634817	-0.38893	0.826406	-0.47063	0.637903	0.933226	ENSMUSG0 Gm13496
ENSMUSG0	1202.053	0.089354	0.189861	0.47063	0.637905	0.933226	ENSMUSG0 Rabgap1
ENSMUSG0	1338.03	-0.06813	0.144808	-0.47051	0.63799	0.933226	ENSMUSG0 Opa3
ENSMUSG0	111.9095	0.167656	0.356493	0.470294	0.638145	0.933226	ENSMUSG0 Gpc3
ENSMUSG0	2.971124	-0.45229	0.961771	-0.47027	0.638163	0.933226	ENSMUSG0 Gm28374
ENSMUSG0	722.1679	0.127871	0.271983	0.470141	0.638254	0.933226	ENSMUSG0 Nom1
ENSMUSG0	8624.599	0.089635	0.190754	0.4699	0.638426	0.933226	ENSMUSG0 Pnmal2
ENSMUSG0	77.43824	-0.14636	0.311468	-0.4699	0.63843	0.933226	ENSMUSG05830448L0
ENSMUSG0	1946.806	-0.05584	0.118827	-0.46989	0.638433	0.933226	ENSMUSG0 Armcx2
ENSMUSG0	1128.906	0.084847	0.180573	0.469875	0.638444	0.933226	ENSMUSG0 Icmt
ENSMUSG0	254.6488	0.141169	0.300452	0.469854	0.638459	0.933226	ENSMUSG0 Esrp2
ENSMUSG0	533.1383	-0.07503	0.159697	-0.4698	0.638495	0.933226	ENSMUSG0 Vps9d1
ENSMUSG0	203.9014	0.090793	0.193278	0.469751	0.638533	0.933226	ENSMUSG0 Rps6ka5
ENSMUSG0	784.0264	-0.13695	0.291541	-0.46973	0.638545	0.933226	ENSMUSG0 Bcd1
ENSMUSG0	182.841	-0.12195	0.259653	-0.46968	0.638586	0.933226	ENSMUSG0 Diras1
ENSMUSG0	537.3556	0.084367	0.179633	0.469661	0.638597	0.933226	ENSMUSG02410131K1
ENSMUSG0	3.151317	-0.51475	1.096125	-0.46961	0.638631	0.933226	ENSMUSG0A230001M
ENSMUSG0	7.7031	0.38757	0.825337	0.46959	0.638648	0.933226	ENSMUSG0 Gm38299
ENSMUSG0	462.6791	0.090758	0.193297	0.469525	0.638694	0.933226	ENSMUSG0 Orc2
ENSMUSG0	167.2133	0.143287	0.305239	0.469424	0.638766	0.933261	ENSMUSG0 Dll1
ENSMUSG0	245.9574	0.133911	0.285365	0.469261	0.638883	0.933356	ENSMUSG0 Blvra
ENSMUSG0	1373.077	0.1174	0.250267	0.469098	0.639	0.933356	ENSMUSG0 Rtf1
ENSMUSG0	63.75507	-0.60747	1.295298	-0.46898	0.639084	0.933356	ENSMUSG0 Slpi
ENSMUSG0	54.01837	0.172103	0.366994	0.468952	0.639104	0.933356	ENSMUSG0 Zfp551
ENSMUSG0	26341.6	0.066515	0.141876	0.468822	0.639197	0.933356	ENSMUSG0 Rplp0
ENSMUSG0	2.969462	-0.50117	1.069193	-0.46874	0.639256	0.933356	ENSMUSG0 Gm40828
ENSMUSG0	408.5692	0.172877	0.368856	0.468685	0.639294	0.933356	ENSMUSG0 Zc3h12c
ENSMUSG0	1629.43	0.05179	0.110508	0.468656	0.639316	0.933356	ENSMUSG0 Inpp5a
ENSMUSG0	5.304592	-0.33118	0.706789	-0.46857	0.639374	0.933356	ENSMUSG0 Gm49539
ENSMUSG0	11950.49	-0.10726	0.228939	-0.46849	0.639432	0.933356	ENSMUSG0 Rps18
ENSMUSG0	7809.181	-0.12175	0.259915	-0.46843	0.639478	0.933356	ENSMUSG0 Rabac1
ENSMUSG0	3.601739	-0.59511	1.270508	-0.4684	0.639495	0.933356	ENSMUSG0 Gm5820
ENSMUSG0	3.839139	0.388008	0.828397	0.468384	0.63951	0.933356	ENSMUSG0 Serinc4
ENSMUSG0	744.8887	-0.17656	0.376997	-0.46834	0.639538	0.933356	ENSMUSG0 Eapp
ENSMUSG0	7.872028	0.360777	0.770404	0.468296	0.639573	0.933356	ENSMUSG0 Smim18
ENSMUSG0	9.932464	0.426648	0.911261	0.468195	0.639645	0.933356	ENSMUSG0 Ighv1-39
ENSMUSG0	1685.041	0.101927	0.21782	0.467944	0.639825	0.933356	ENSMUSG04932438A1
ENSMUSG0	1027.5	0.124106	0.265252	0.467878	0.639872	0.933356	ENSMUSG0 Larp7
ENSMUSG0	4.988852	0.568645	1.215395	0.467869	0.639879	0.933356	ENSMUSG0 Trbv16
ENSMUSG0	4.925008	0.481201	1.028563	0.467838	0.6399	0.933356	ENSMUSG0 Gm43294
ENSMUSG0	122.3677	0.198346	0.423967	0.467833	0.639904	0.933356	ENSMUSG0 Pkn3
ENSMUSG0	1799.364	-0.08596	0.183739	-0.46783	0.639908	0.933356	ENSMUSG0 Abcf3
ENSMUSG0	10.04825	0.234119	0.500535	0.467738	0.639972	0.933356	ENSMUSG0 Gm13594
ENSMUSG0	285.5549	-0.11023	0.235719	-0.46763	0.64005	0.933356	ENSMUSG0 Cmb1
ENSMUSG0	4647.514	-0.11026	0.235888	-0.46744	0.640187	0.933356	ENSMUSG0 Eid1
ENSMUSG0	150.1189	0.151321	0.323726	0.467435	0.640189	0.933356	ENSMUSG01700088E0
ENSMUSG0	34.60193	0.167603	0.358567	0.467425	0.640196	0.933356	ENSMUSG0 Gm6566
ENSMUSG0	1049.483	-0.0901	0.192768	-0.46742	0.6402	0.933356	ENSMUSG0 Snx27
ENSMUSG0	1586.72	-0.14919	0.319219	-0.46736	0.640239	0.933356	ENSMUSG0 Atp13a3

ENSMUSG0	10.66831	1.061622	2.272424	0.467176	0.640374	0.933388	ENSMUSG0 Gm26920
ENSMUSG0	611.9249	-0.14364	0.307491	-0.46713	0.64041	0.933388	ENSMUSG0 Gm5617
ENSMUSG0	2547.168	-0.14222	0.304565	-0.46697	0.640522	0.933388	ENSMUSG0 Arpc5l
ENSMUSG0	102.0889	0.121844	0.260939	0.466943	0.64054	0.933388	ENSMUSG0 Katnal2
ENSMUSG0	4450.979	-0.0855	0.183127	-0.46688	0.640587	0.933388	ENSMUSG0 Ewsr1
ENSMUSG0	5.038311	-0.40609	0.870086	-0.46672	0.6407	0.933388	ENSMUSG0 Rpl17-ps10
ENSMUSG0	392.5607	-0.10816	0.231759	-0.46669	0.640721	0.933388	ENSMUSG0 Mpi
ENSMUSG0	261.4996	0.108489	0.232493	0.466634	0.640762	0.933388	ENSMUSG0 Gpr19
ENSMUSG0	175.9044	-0.08179	0.175304	-0.46657	0.640807	0.933388	ENSMUSG0 Ppp1r3e
ENSMUSG0	36.58642	-0.13461	0.288516	-0.46655	0.64082	0.933388	ENSMUSG0 Prelid3a
ENSMUSG0	2946.781	-0.15754	0.337721	-0.46649	0.640862	0.933388	ENSMUSG0 Irs2
ENSMUSG0	753.7935	0.135742	0.291031	0.466419	0.640916	0.933388	ENSMUSG0 Rictor
ENSMUSG0	2739.919	0.09608	0.206001	0.466404	0.640926	0.933388	ENSMUSG0 Nudc
ENSMUSG0	314.5571	0.131213	0.281346	0.466377	0.640946	0.933388	ENSMUSG0 Znr3
ENSMUSG0	981.1041	0.120448	0.258297	0.466317	0.640988	0.933388	ENSMUSG0 Zhx3
ENSMUSG0	112.1331	-0.12656	0.271536	-0.4661	0.641145	0.933546	ENSMUSG0 Il18
ENSMUSG0	1918.178	0.060457	0.129733	0.466014	0.641206	0.933563	ENSMUSG0 Slc22a17
ENSMUSG0	3.698881	0.362543	0.778551	0.465664	0.641456	0.933625	ENSMUSG0 Gm3052
ENSMUSG0	22.69415	0.257288	0.55267	0.465537	0.641547	0.933625	ENSMUSG0 Tal1
ENSMUSG0	462.8939	-0.1256	0.2699	-0.46537	0.641669	0.933625	ENSMUSG0 Lin37
ENSMUSG0	4.387821	0.432406	0.929321	0.465293	0.641722	0.933625	ENSMUSG0 Gm45266
ENSMUSG0	5757.87	0.053599	0.115198	0.465281	0.641731	0.933625	ENSMUSG0 Gdi2
ENSMUSG0	897.5684	-0.05954	0.127959	-0.46528	0.641732	0.933625	ENSMUSG0 Akirin2
ENSMUSG0	3865.071	-0.1092	0.234723	-0.46524	0.641763	0.933625	ENSMUSG0 Btf3
ENSMUSG0	20.47131	0.211022	0.45361	0.465206	0.641784	0.933625	ENSMUSG0 Cgas
ENSMUSG0	162.3074	0.259541	0.557922	0.465192	0.641794	0.933625	ENSMUSG0 Plag1
ENSMUSG0	45.79271	-0.26623	0.572377	-0.46514	0.641834	0.933625	ENSMUSG0 Clspn
ENSMUSG0	296.4921	0.124536	0.267749	0.465121	0.641845	0.933625	ENSMUSG0 4933439C1
ENSMUSG0	1002.543	-0.08368	0.179942	-0.46506	0.641887	0.933625	ENSMUSG0 Nadk
ENSMUSG0	17.46557	-0.18383	0.395294	-0.46505	0.641894	0.933625	ENSMUSG0 Gm43034
ENSMUSG0	2769.051	-0.08367	0.179928	-0.465	0.641929	0.933625	ENSMUSG0 Rpl28-ps1
ENSMUSG0	2594.181	-0.0644	0.138525	-0.4649	0.642001	0.933625	ENSMUSG0 Ipo5
ENSMUSG0	398.2118	0.085131	0.183154	0.464804	0.642072	0.933625	ENSMUSG0 Asb3
ENSMUSG0	77.13689	-0.15828	0.340558	-0.46476	0.642104	0.933625	ENSMUSG0 Taf4b
ENSMUSG0	503.7756	0.079527	0.171135	0.464705	0.642143	0.933625	ENSMUSG0 Cfap298
ENSMUSG0	147.1435	0.424162	0.912833	0.464666	0.642171	0.933625	ENSMUSG0 Cldn5
ENSMUSG0	1566.182	-0.05936	0.127763	-0.4646	0.64222	0.933626	ENSMUSG0 Srsf10
ENSMUSG0	112.5911	0.098003	0.211023	0.464418	0.642348	0.933635	ENSMUSG0 Wasf1
ENSMUSG0	1353.856	0.110111	0.237109	0.464392	0.642367	0.933635	ENSMUSG0 Auh
ENSMUSG0	1278.958	0.247094	0.532123	0.464355	0.642393	0.933635	ENSMUSG0 Stk17b
ENSMUSG0	58.4662	-0.12505	0.269359	-0.46425	0.642472	0.933635	ENSMUSG0 Gsdme
ENSMUSG0	1764.75	-0.09616	0.207146	-0.46422	0.642491	0.933635	ENSMUSG0 Uba52
ENSMUSG0	4.015187	0.517851	1.115836	0.464092	0.642582	0.933635	ENSMUSG0 1300017J0
ENSMUSG0	3476.386	-0.1673	0.360506	-0.46406	0.642603	0.933635	ENSMUSG0 Sec11c
ENSMUSG0	11.54769	-0.2141	0.461373	-0.46405	0.642614	0.933635	ENSMUSG0 6330549D2
ENSMUSG0	232.9155	-0.09517	0.205164	-0.46386	0.642748	0.93367	ENSMUSG0 Zfp524
ENSMUSG0	538.9221	-0.09942	0.21436	-0.4638	0.642791	0.93367	ENSMUSG0 9130401M
ENSMUSG0	48.79845	-0.18957	0.408787	-0.46375	0.642828	0.93367	ENSMUSG0 Oas2
ENSMUSG0	35.09715	0.224903	0.485056	0.463664	0.642889	0.93367	ENSMUSG0 Cited1
ENSMUSG0	19.08197	-0.21968	0.473961	-0.46351	0.643002	0.93367	ENSMUSG0 Ephb1
ENSMUSG0	10212.31	-0.08936	0.192803	-0.46349	0.643016	0.93367	ENSMUSG0 Mtch1
ENSMUSG0	3.231716	-0.52532	1.133445	-0.46347	0.643026	0.93367	ENSMUSG0 Smyd1

ENSMUSG0	154.3853	-0.0965	0.208208	-0.46347	0.643026	0.93367	ENSMUSG0	Taco1
ENSMUSG0	666.3362	-0.11335	0.244634	-0.46335	0.643112	0.933697	ENSMUSG0	Pyurf
ENSMUSG0	1001.611	-0.06756	0.145854	-0.46321	0.643211	0.933697	ENSMUSG0	Ppp6r2
ENSMUSG0	1350.536	0.100155	0.216228	0.46319	0.643228	0.933697	ENSMUSG0	Nr2c2
ENSMUSG0	1726.723	-0.0564	0.121774	-0.46313	0.643275	0.933697	ENSMUSG0	Ilk
ENSMUSG0	13.4731	0.341617	0.737706	0.46308	0.643307	0.933697	ENSMUSG0	Insc
ENSMUSG0	266.0685	-0.09079	0.19617	-0.46283	0.643485	0.933697	ENSMUSG0	Aasdh
ENSMUSG0	497.8887	-0.09676	0.209078	-0.46279	0.643514	0.933697	ENSMUSG0	Tat
ENSMUSG0	101.2518	0.169297	0.365869	0.462725	0.643561	0.933697	ENSMUSG0	Pou6f2
ENSMUSG0	327.1248	-0.10708	0.231464	-0.4626	0.643651	0.933697	ENSMUSG0	Plagl1
ENSMUSG0	473.6526	-0.10408	0.224989	-0.46259	0.643661	0.933697	ENSMUSG0	Mrgbp
ENSMUSG0	14.23051	0.292762	0.63304	0.46247	0.643744	0.933697	ENSMUSG0	Rps3a2
ENSMUSG0	8.264006	0.503112	1.088085	0.462383	0.643807	0.933697	ENSMUSG0	Has2
ENSMUSG0	122.7974	-0.12039	0.260377	-0.46236	0.643822	0.933697	ENSMUSG0	6330418K0
ENSMUSG0	9.54819	-0.33267	0.719591	-0.4623	0.643864	0.933697	ENSMUSG0	4933437G1
ENSMUSG0	232.3104	-0.09567	0.206971	-0.46223	0.643919	0.933697	ENSMUSG0	Cox18
ENSMUSG0	219.6322	-0.20653	0.446876	-0.46215	0.643971	0.933697	ENSMUSG0	Ggta1
ENSMUSG0	224.0486	0.148768	0.321903	0.462151	0.643973	0.933697	ENSMUSG0	Dpy19l3
ENSMUSG0	1919.433	-0.06128	0.132611	-0.46212	0.643993	0.933697	ENSMUSG0	Slc44a1
ENSMUSG0	2237.062	-0.0956	0.206872	-0.46211	0.644001	0.933697	ENSMUSG0	Nucks1
ENSMUSG0	10.51705	-0.49297	1.066907	-0.46205	0.644044	0.933697	ENSMUSG0	Lrrc7
ENSMUSG0	1706.365	-0.07734	0.167428	-0.46192	0.644138	0.933697	ENSMUSG0	Rufy3
ENSMUSG0	478.1948	0.094102	0.203734	0.461886	0.644163	0.933697	ENSMUSG0	Fez1
ENSMUSG0	6.584939	-0.52597	1.138792	-0.46186	0.644179	0.933697	ENSMUSG0	Gm23472
ENSMUSG0	360.3692	-0.10913	0.236362	-0.46171	0.644287	0.933697	ENSMUSG0	Miip
ENSMUSG0	10.99873	0.270264	0.585362	0.461703	0.644294	0.933697	ENSMUSG0	Gm44873
ENSMUSG0	20.60742	0.161599	0.350019	0.461685	0.644307	0.933697	ENSMUSG0	A430103D1
ENSMUSG0	124.0346	0.218298	0.473151	0.461371	0.644533	0.933942	ENSMUSG0	Adgra2
ENSMUSG0	3301.512	-0.08465	0.183552	-0.46117	0.644676	0.934018	ENSMUSG0	Zfr
ENSMUSG0	773.838	0.415659	0.901583	0.461033	0.644775	0.934018	ENSMUSG0	Vwf
ENSMUSG0	6.221371	-0.31181	0.676405	-0.46098	0.644816	0.934018	ENSMUSG0	Gm31513
ENSMUSG0	2142.334	-0.12103	0.262553	-0.46097	0.64482	0.934018	ENSMUSG0	Eif4a3
ENSMUSG0	9.357242	0.320725	0.696304	0.46061	0.645078	0.934032	ENSMUSG0	Sfrp2
ENSMUSG0	37.39193	-0.27373	0.59437	-0.46054	0.645129	0.934032	ENSMUSG0	Bmp4
ENSMUSG0	1503.166	-0.05966	0.129541	-0.46053	0.645139	0.934032	ENSMUSG0	Tmem183a
ENSMUSG0	245.8326	0.122681	0.26641	0.460496	0.64516	0.934032	ENSMUSG0	Zbtb7c
ENSMUSG0	1949.953	0.122531	0.266228	0.460248	0.645338	0.934032	ENSMUSG0	Pik3c2a
ENSMUSG0	4.25217	-0.34507	0.749806	-0.46022	0.645359	0.934032	ENSMUSG0	4930592C1
ENSMUSG0	66.88778	0.280613	0.609783	0.460185	0.645383	0.934032	ENSMUSG0	Dok2
ENSMUSG0	20.03616	0.329831	0.716741	0.460182	0.645386	0.934032	ENSMUSG0	Gm38077
ENSMUSG0	14.44877	0.182512	0.396619	0.46017	0.645394	0.934032	ENSMUSG0	H3c11
ENSMUSG0	496.7813	-0.14318	0.311152	-0.46016	0.645399	0.934032	ENSMUSG0	Mpp7
ENSMUSG0	18.09059	-0.16962	0.368726	-0.46003	0.645494	0.934032	ENSMUSG0	1700056N1
ENSMUSG0	497.1565	-0.07464	0.162264	-0.46001	0.645512	0.934032	ENSMUSG0	Dvl2
ENSMUSG0	505.5157	-0.10364	0.225345	-0.45993	0.645564	0.934032	ENSMUSG0	Ago3
ENSMUSG0	24.51353	-0.20507	0.4459	-0.45989	0.645593	0.934032	ENSMUSG0	Dctd
ENSMUSG0	389.7186	0.114239	0.248415	0.459874	0.645607	0.934032	ENSMUSG0	Pnpla7
ENSMUSG0	279.0711	0.249904	0.543618	0.459704	0.645729	0.934138	ENSMUSG0	Sla
ENSMUSG0	519.0005	-0.11334	0.2466	-0.45961	0.645793	0.934154	ENSMUSG0	Memo1
ENSMUSG0	363.7084	0.082058	0.178561	0.459554	0.645836	0.934154	ENSMUSG0	Supt7l
ENSMUSG0	4837.81	-0.12602	0.274285	-0.45946	0.645906	0.934184	ENSMUSG0	Rps28
ENSMUSG0	5.638263	-0.34222	0.745163	-0.45926	0.64605	0.934269	ENSMUSG0	Cacng3

ENSMUSG0	1954.159	-0.0896	0.195105	-0.45923	0.646066	0.934269	ENSMUSG0	Slc48a1
ENSMUSG0	45.43315	-0.12665	0.275851	-0.45913	0.646138	0.934269	ENSMUSG0	Tube1
ENSMUSG0	417.148	-0.13483	0.293684	-0.45909	0.646168	0.934269	ENSMUSG0	Zfp715
ENSMUSG0	1091.744	-0.11026	0.240193	-0.45904	0.646208	0.934269	ENSMUSG0	Mdm2
ENSMUSG0	1627.711	0.1349	0.294018	0.458817	0.646365	0.934394	ENSMUSG0	Arih1
ENSMUSG0	1094.238	0.15295	0.333425	0.458724	0.646432	0.934394	ENSMUSG0	Nudt19
ENSMUSG0	4.34467	0.536466	1.169499	0.458714	0.646439	0.934394	ENSMUSG0	Sap30bpos
ENSMUSG0	2823.022	0.149186	0.325316	0.458589	0.646529	0.934453	ENSMUSG0	Psme2
ENSMUSG0	25.556	0.234225	0.510999	0.458367	0.646689	0.934463	ENSMUSG0	Mis18bp1
ENSMUSG0	1597.023	0.064964	0.141749	0.4583	0.646737	0.934463	ENSMUSG0	Szrd1
ENSMUSG0	498.1497	0.096563	0.210702	0.458292	0.646743	0.934463	ENSMUSG0	Plcb1
ENSMUSG0	120.5641	0.121467	0.265081	0.458227	0.646789	0.934463	ENSMUSG0	Zfp605
ENSMUSG0	883.6844	-0.08701	0.189923	-0.45812	0.646864	0.934463	ENSMUSG0	Yif1b
ENSMUSG0	93.81043	-0.11339	0.247591	-0.45796	0.646983	0.934463	ENSMUSG0	2310014F0
ENSMUSG0	16.3631	-0.22041	0.481321	-0.45792	0.64701	0.934463	ENSMUSG0	Cdkl4
ENSMUSG0	13.08583	-0.2251	0.491623	-0.45787	0.647048	0.934463	ENSMUSG0	Gm7061
ENSMUSG0	337.5879	-0.14397	0.314469	-0.45783	0.647078	0.934463	ENSMUSG0	Oscp1
ENSMUSG0	2357.577	0.113625	0.248187	0.457821	0.647081	0.934463	ENSMUSG0	Sox4
ENSMUSG0	132.1928	-0.50463	1.102377	-0.45777	0.647118	0.934463	ENSMUSG0	Erdr1
ENSMUSG0	46.80995	0.218605	0.477546	0.457768	0.647119	0.934463	ENSMUSG0	Gdf15
ENSMUSG0	1484.18	-0.05183	0.11325	-0.45767	0.64719	0.934495	ENSMUSG0	Wtap
ENSMUSG0	786.2075	0.092099	0.201327	0.457457	0.647343	0.934646	ENSMUSG0	Klhl42
ENSMUSG0	99.21097	-0.2046	0.44735	-0.45736	0.647412	0.934675	ENSMUSG0	Gm4724
ENSMUSG0	158.9154	0.108264	0.236757	0.457279	0.64747	0.93469	ENSMUSG0	Lsm11
ENSMUSG0	25.97203	0.146161	0.319723	0.457149	0.647564	0.934701	ENSMUSG0	Fancb
ENSMUSG0	3565.854	0.0961	0.210236	0.457105	0.647595	0.934701	ENSMUSG0	Atxn7l3b
ENSMUSG0	55.49311	0.16945	0.370743	0.457054	0.647632	0.934701	ENSMUSG0	Taf9
ENSMUSG0	2463.151	-0.07819	0.171086	-0.457	0.647673	0.934701	ENSMUSG0	Csnk2a1
ENSMUSG0	6.674967	-0.37252	0.815262	-0.45693	0.647722	0.934702	ENSMUSG0	Gm48027
ENSMUSG0	2969.549	-0.08249	0.180639	-0.45663	0.647935	0.934891	ENSMUSG0	Pex6
ENSMUSG0	5.409434	-0.38277	0.838357	-0.45657	0.647982	0.934891	ENSMUSG0	Serpina1c
ENSMUSG0	235.1721	0.100094	0.219312	0.456399	0.648103	0.934891	ENSMUSG0	Dolpp1
ENSMUSG0	11.92722	0.252498	0.553297	0.456353	0.648136	0.934891	ENSMUSG0	CB130034C1
ENSMUSG0	9.156011	-0.28761	0.630256	-0.45634	0.648143	0.934891	ENSMUSG0	Gm44792
ENSMUSG0	716.0744	-0.15321	0.335733	-0.45634	0.648144	0.934891	ENSMUSG0	Rreb1
ENSMUSG0	564.7747	-0.13931	0.305408	-0.45614	0.648289	0.93494	ENSMUSG0	Tomm5
ENSMUSG0	251.5624	0.421073	0.923143	0.45613	0.648296	0.93494	ENSMUSG0	Mzb1
ENSMUSG0	4115.122	-0.11559	0.253427	-0.45609	0.648324	0.93494	ENSMUSG0	Slc7a14
ENSMUSG0	13.14601	-0.23504	0.515642	-0.45582	0.648517	0.935068	ENSMUSG0	Gm32063
ENSMUSG0	98.11855	0.202571	0.444447	0.455783	0.648546	0.935068	ENSMUSG0	Unc45b
ENSMUSG0	4.229415	0.54125	1.18758	0.455759	0.648564	0.935068	ENSMUSG0	Gm38082
ENSMUSG0	617.1363	0.062663	0.13751	0.455697	0.648608	0.935068	ENSMUSG0	Thumpd3
ENSMUSG0	3.074871	0.482208	1.058683	0.455479	0.648765	0.935069	ENSMUSG0	C1qtnf3
ENSMUSG0	203.4851	0.130859	0.287348	0.455405	0.648818	0.935069	ENSMUSG0	Snrrnp25
ENSMUSG0	34.60267	-0.23277	0.511139	-0.45539	0.648829	0.935069	ENSMUSG0	Gm15441
ENSMUSG0	16.62828	0.187315	0.411354	0.455362	0.648849	0.935069	ENSMUSG0	Gm10766
ENSMUSG0	2989.08	-0.10647	0.233825	-0.45533	0.648869	0.935069	ENSMUSG0	Chmp5
ENSMUSG0	1180.883	-0.06822	0.149837	-0.45528	0.648906	0.935069	ENSMUSG0	Cisd2
ENSMUSG0	27.1384	-0.24881	0.546687	-0.45513	0.649016	0.935069	ENSMUSG0	Gm15506
ENSMUSG0	10180.04	-0.08948	0.196638	-0.45507	0.649059	0.935069	ENSMUSG0	Pcsk1
ENSMUSG0	3.094497	-0.40768	0.89592	-0.45504	0.64908	0.935069	ENSMUSG0	Gm43890
ENSMUSG0	5.135098	0.367518	0.807694	0.455021	0.649094	0.935069	ENSMUSG0	Gm38377

ENSMUSG0	500.1805	0.062271	0.13693	0.454767	0.649277	0.935201	ENSMUSG0 Fance
ENSMUSG0	15.31348	-0.39413	0.86668	-0.45476	0.649283	0.935201	ENSMUSG0 Gabra3
ENSMUSG0	1163.017	0.14876	0.327176	0.454678	0.649341	0.935214	ENSMUSG0 Tm2d3
ENSMUSG0	17.61323	-0.2065	0.45439	-0.45447	0.649493	0.935359	ENSMUSG0 Fbxo47
ENSMUSG0	9.765008	-0.2433	0.535501	-0.45434	0.649581	0.935359	ENSMUSG0 Gm42669
ENSMUSG0	1088.915	-0.06749	0.148543	-0.45434	0.649587	0.935359	ENSMUSG0 Abraxas2
ENSMUSG0	1163.781	0.123403	0.271657	0.454261	0.649641	0.935366	ENSMUSG0 Myg1
ENSMUSG0	6.701824	-0.25931	0.570931	-0.45419	0.649692	0.93537	ENSMUSG0 Gm19705
ENSMUSG0	6.564198	-0.49627	1.093492	-0.45384	0.649947	0.935594	ENSMUSG0 Gm24497
ENSMUSG0	12.51152	0.241889	0.533014	0.453813	0.649964	0.935594	ENSMUSG0 Nsa2-ps1
ENSMUSG0	1296.994	-0.06873	0.151532	-0.45356	0.650144	0.935594	ENSMUSG0 Ryk
ENSMUSG0	109.63	-0.1363	0.300545	-0.4535	0.650186	0.935594	ENSMUSG0 Tmem17
ENSMUSG0	480.7848	-0.0534	0.117776	-0.45339	0.65027	0.935594	ENSMUSG0 Slc35b3
ENSMUSG0	11.67005	0.210342	0.463954	0.453368	0.650284	0.935594	ENSMUSG0 Gm10814
ENSMUSG0	2338.651	-0.14939	0.329645	-0.45319	0.650411	0.935594	ENSMUSG0 Ndufv2
ENSMUSG0	326.1267	-0.11055	0.243947	-0.45317	0.650429	0.935594	ENSMUSG0 Mettl25
ENSMUSG0	980.4053	-0.05531	0.12207	-0.45312	0.650462	0.935594	ENSMUSG0 Rnf25
ENSMUSG0	3.231739	0.502215	1.108664	0.452991	0.650555	0.935594	ENSMUSG0 Gm27010
ENSMUSG0	2289.7	-0.08914	0.196778	-0.45298	0.65056	0.935594	ENSMUSG0 Furin
ENSMUSG0	3.646137	-0.60647	1.339191	-0.45286	0.650647	0.935594	ENSMUSG0 Ighv2-5
ENSMUSG0	667.7372	0.121819	0.269047	0.452781	0.650707	0.935594	ENSMUSG0 Nvl
ENSMUSG0	258.3994	0.101022	0.223163	0.452683	0.650777	0.935594	ENSMUSG0 Tubg2
ENSMUSG0	63.82888	-0.13829	0.305555	-0.4526	0.650838	0.935594	ENSMUSG0 Slc2a10
ENSMUSG0	903.2689	0.074985	0.165714	0.452497	0.650911	0.935594	ENSMUSG0 Eif4e2
ENSMUSG0	28.40049	-0.17837	0.394242	-0.45245	0.650948	0.935594	ENSMUSG0 3010001F2
ENSMUSG0	1454.304	-0.13235	0.292757	-0.45207	0.651217	0.935594	ENSMUSG0 Ep300
ENSMUSG0	453.9521	-0.08425	0.186397	-0.45199	0.651278	0.935594	ENSMUSG0 Abt1
ENSMUSG0	4.863363	-0.49325	1.091383	-0.45195	0.651303	0.935594	ENSMUSG0 Gm16523
ENSMUSG0	63.38815	0.146153	0.323416	0.451905	0.651338	0.935594	ENSMUSG0 Nhej1
ENSMUSG0	5639.307	-0.14264	0.315695	-0.45181	0.651404	0.935594	ENSMUSG0 Nr4a1
ENSMUSG0	145.1021	-0.12005	0.265724	-0.45177	0.651433	0.935594	ENSMUSG0 9230112E0
ENSMUSG0	1734.193	-0.09222	0.204177	-0.45166	0.651512	0.935594	ENSMUSG0 Dlg4
ENSMUSG0	604.5837	-0.07068	0.156498	-0.45163	0.651536	0.935594	ENSMUSG0 Tab1
ENSMUSG0	3090.179	-0.06652	0.147392	-0.45134	0.651743	0.935594	ENSMUSG0 Fxr2
ENSMUSG0	427.3158	-0.06464	0.143239	-0.45131	0.651767	0.935594	ENSMUSG0 Gpr137b
ENSMUSG0	658.4246	-0.07543	0.167149	-0.4513	0.651773	0.935594	ENSMUSG0 Ggps1
ENSMUSG0	598.1054	-0.07064	0.156535	-0.45129	0.651778	0.935594	ENSMUSG0 Rbbp5
ENSMUSG0	1440.331	-0.14707	0.325971	-0.45117	0.651866	0.935594	ENSMUSG0 Chordc1
ENSMUSG0	687.569	-0.09069	0.201013	-0.45114	0.651888	0.935594	ENSMUSG0 Sugp2
ENSMUSG0	1149.93	-0.07996	0.177251	-0.45113	0.651898	0.935594	ENSMUSG0 Fam49b
ENSMUSG0	453.0507	0.090069	0.199759	0.450887	0.652071	0.935594	ENSMUSG0 Zfr2
ENSMUSG0	672.9357	-0.11249	0.249503	-0.45087	0.652081	0.935594	ENSMUSG0 Brpf1
ENSMUSG0	3.980947	-0.58357	1.294395	-0.45085	0.6521	0.935594	ENSMUSG0 Spp2
ENSMUSG0	6.026127	0.379849	0.842562	0.450827	0.652114	0.935594	ENSMUSG0 Gm42725
ENSMUSG0	20.74724	0.305552	0.677834	0.450777	0.652151	0.935594	ENSMUSG0 C920009B1
ENSMUSG0	516.7304	0.077066	0.170967	0.450764	0.65216	0.935594	ENSMUSG0 Zfp467
ENSMUSG0	183.3828	-0.09309	0.206534	-0.45074	0.652177	0.935594	ENSMUSG0 Ccdc126
ENSMUSG0	33.26404	0.42758	0.948631	0.450734	0.652182	0.935594	ENSMUSG0 Mmp9
ENSMUSG0	1328.263	0.110286	0.244736	0.450632	0.652255	0.935594	ENSMUSG0 Ppp1r11
ENSMUSG0	1517.924	-0.10753	0.238664	-0.45056	0.652307	0.935594	ENSMUSG0 Ak1
ENSMUSG0	28.95782	-0.15572	0.345618	-0.45055	0.652317	0.935594	ENSMUSG0 1700028E1
ENSMUSG0	92.7533	-0.10175	0.225912	-0.45039	0.65243	0.935594	ENSMUSG0 Atp23

ENSMUSG0	3927.535	-0.10997	0.244259	-0.45022	0.652548	0.935594	ENSMUSG0 Selenok
ENSMUSG0	644.2437	-0.08964	0.199103	-0.45022	0.652549	0.935594	ENSMUSG0 Nol12
ENSMUSG0	5.871259	-0.43704	0.970739	-0.45021	0.652559	0.935594	ENSMUSG0 Mettl5os
ENSMUSG0	3.598649	-0.53102	1.179548	-0.45019	0.652574	0.935594	ENSMUSG0 Hk1os
ENSMUSG0	5.513344	0.353462	0.785149	0.450185	0.652577	0.935594	ENSMUSG01700063D0
ENSMUSG0	1663.555	0.076533	0.170027	0.450124	0.652621	0.935594	ENSMUSG0 Polr2b
ENSMUSG0	293.2268	0.105603	0.234686	0.449975	0.652728	0.935594	ENSMUSG0 Chrd
ENSMUSG0	190.2002	0.236363	0.525378	0.449892	0.652788	0.935594	ENSMUSG0 Oit1
ENSMUSG0	22.24299	-0.15961	0.354843	-0.44979	0.652861	0.935594	ENSMUSG01700055D1
ENSMUSG0	53.77381	-0.19367	0.430706	-0.44967	0.65295	0.935594	ENSMUSG0 Tmem169
ENSMUSG0	367.6506	-0.07566	0.168311	-0.44954	0.65304	0.935594	ENSMUSG0 Tmem186
ENSMUSG0	3175.54	-0.07472	0.166242	-0.44944	0.653116	0.935594	ENSMUSG0 Ppp6r1
ENSMUSG0	1940.185	0.065957	0.14676	0.449417	0.653131	0.935594	ENSMUSG0 Irf6
ENSMUSG0	345.5978	-0.07179	0.159749	-0.44941	0.653133	0.935594	ENSMUSG0 Zfp213
ENSMUSG0	299.7169	-0.09908	0.220502	-0.44933	0.653194	0.935594	ENSMUSG0 Gpatch4
ENSMUSG0	1272.577	-0.09187	0.204474	-0.44931	0.653206	0.935594	ENSMUSG0 Zfp612
ENSMUSG0	748.0623	-0.06187	0.137703	-0.44931	0.653208	0.935594	ENSMUSG0 Ppp1r8
ENSMUSG0	2580.172	-0.09776	0.217601	-0.44925	0.653252	0.935594	ENSMUSG0 Ythdc1
ENSMUSG0	871.3068	-0.10654	0.237186	-0.44919	0.653296	0.935594	ENSMUSG0 Rit1
ENSMUSG0	91.52437	-0.21241	0.473101	-0.44896	0.653458	0.935594	ENSMUSG0 Xkr7
ENSMUSG0	1284.555	0.107668	0.239815	0.448963	0.653459	0.935594	ENSMUSG0 Tmx3
ENSMUSG0	4643.856	0.103735	0.231091	0.448894	0.653508	0.935594	ENSMUSG0 Tcp1
ENSMUSG0	41.37885	-0.2233	0.497532	-0.44881	0.653571	0.935594	ENSMUSG0 Pcdhgc5
ENSMUSG0	73.70959	-0.19442	0.433232	-0.44877	0.653595	0.935594	ENSMUSG0 Gm6206
ENSMUSG0	547.0974	-0.07487	0.16684	-0.44875	0.653614	0.935594	ENSMUSG0 Bin3
ENSMUSG0	2340.069	-0.13742	0.306277	-0.44868	0.653663	0.935594	ENSMUSG0 Ap1s1
ENSMUSG0	264.6413	-0.08261	0.184194	-0.44849	0.6538	0.935594	ENSMUSG04921524J17
ENSMUSG0	87.5882	0.208933	0.466044	0.448311	0.653928	0.935594	ENSMUSG0 Grrp1
ENSMUSG0	38.78012	0.138144	0.308247	0.44816	0.654038	0.935594	ENSMUSG0 Dsn1
ENSMUSG0	339.5871	-0.07614	0.169905	-0.44811	0.654073	0.935594	ENSMUSG0 Cox10
ENSMUSG0	408.4613	-0.09537	0.212839	-0.44809	0.654091	0.935594	ENSMUSG0 Nup35
ENSMUSG0	491.7988	-0.08916	0.19898	-0.44807	0.654105	0.935594	ENSMUSG0 Akr1e1
ENSMUSG0	4888.876	-0.06423	0.143358	-0.44806	0.65411	0.935594	ENSMUSG0 Txndc5
ENSMUSG0	368.1454	0.11521	0.257141	0.448045	0.654121	0.935594	ENSMUSG0 Smox
ENSMUSG0	5.907725	0.299535	0.668635	0.44798	0.654167	0.935594	ENSMUSG0 Slc25a43
ENSMUSG0	10.64186	-0.28357	0.633071	-0.44793	0.654206	0.935594	ENSMUSG01700001J03
ENSMUSG0	728.4341	0.136128	0.303922	0.447905	0.654222	0.935594	ENSMUSG0 Slc20a1
ENSMUSG0	891.2702	-0.07087	0.158278	-0.44777	0.654317	0.935594	ENSMUSG0 Hsd1l
ENSMUSG0	274.3616	-0.1025	0.228928	-0.44776	0.654329	0.935594	ENSMUSG0 Papolg
ENSMUSG0	11.76735	0.259563	0.579711	0.447745	0.654337	0.935594	ENSMUSG0 Gm42568
ENSMUSG0	5.933847	-0.37978	0.848238	-0.44773	0.654349	0.935594	ENSMUSG0 Gm6211
ENSMUSG0	751.6395	0.107382	0.239852	0.4477	0.65437	0.935594	ENSMUSG0 Rpl36a-ps2
ENSMUSG0	447.8958	-0.10134	0.226403	-0.4476	0.654438	0.935594	ENSMUSG0 Mbtps2
ENSMUSG0	990.8157	0.10074	0.225082	0.44757	0.654463	0.935594	ENSMUSG0 Strn3
ENSMUSG0	79.30162	0.238282	0.532402	0.44756	0.654471	0.935594	ENSMUSG0 Aplnr
ENSMUSG0	90.14342	-0.12036	0.26896	-0.44752	0.654503	0.935594	ENSMUSG0 Hsf4
ENSMUSG0	5388.741	0.090599	0.202461	0.447487	0.654523	0.935594	ENSMUSG0 Atp9a
ENSMUSG0	433.1344	-0.17918	0.40042	-0.44748	0.654526	0.935594	ENSMUSG0 Hba-a2
ENSMUSG0	22.73312	0.214543	0.479622	0.447318	0.654646	0.935594	ENSMUSG0 E2f8
ENSMUSG0	1260.855	-0.13097	0.292792	-0.44731	0.654652	0.935594	ENSMUSG0 Sf3b5
ENSMUSG0	8.533498	0.33272	0.743841	0.447301	0.654658	0.935594	ENSMUSG0 Tcf15
ENSMUSG0	1394.89	-0.08226	0.183942	-0.44723	0.654711	0.935594	ENSMUSG0 Dnajc8

ENSMUSG0	407.7375	-0.07158	0.160078	-0.44718	0.654746	0.935594	ENSMUSG0 Pwp2
ENSMUSG0	689.7893	-0.10826	0.242148	-0.44708	0.654819	0.935594	ENSMUSG0 Upf3a
ENSMUSG0	5.233806	0.564322	1.262436	0.44701	0.654868	0.935594	ENSMUSG0 Dbx2
ENSMUSG0	1539.226	-0.05998	0.13418	-0.447	0.654878	0.935594	ENSMUSG0 Paip1
ENSMUSG0	57.93488	0.206681	0.462434	0.446941	0.654917	0.935594	ENSMUSG0 BC028528
ENSMUSG0	1242.53	0.093038	0.208187	0.446895	0.654951	0.935594	ENSMUSG0 Smarce1
ENSMUSG0	1480.449	-0.05433	0.121575	-0.44689	0.654952	0.935594	ENSMUSG0 Get4
ENSMUSG0	928.6625	0.11399	0.255124	0.446801	0.655019	0.935594	ENSMUSG0 Paxbp1
ENSMUSG0	1118.074	-0.06532	0.146185	-0.4468	0.655022	0.935594	ENSMUSG0 Rragb
ENSMUSG0	112.9787	0.121539	0.272072	0.446716	0.65508	0.935594	ENSMUSG0 Myo19
ENSMUSG0	419.9522	0.129321	0.289512	0.446687	0.655101	0.935594	ENSMUSG0 Cln8
ENSMUSG0	59.70052	0.142285	0.318608	0.446582	0.655177	0.935594	ENSMUSG0 Lhpp
ENSMUSG0	302.7514	0.061955	0.138741	0.446553	0.655198	0.935594	ENSMUSG0 Zcchc4
ENSMUSG0	380.6674	0.130509	0.292352	0.446409	0.655302	0.935673	ENSMUSG0 Thbd
ENSMUSG0	138.9605	0.194789	0.436591	0.446159	0.655483	0.935699	ENSMUSG0 Lpxn
ENSMUSG0	638.5987	0.060842	0.136388	0.446094	0.655529	0.935699	ENSMUSG0 Mavs
ENSMUSG0	246.0938	-0.11287	0.253051	-0.44604	0.655569	0.935699	ENSMUSG0 Gm12940
ENSMUSG0	16.38186	0.334781	0.750581	0.446029	0.655576	0.935699	ENSMUSG0 Prss12
ENSMUSG0	824.4408	-0.09184	0.205925	-0.446	0.655598	0.935699	ENSMUSG0 Prpsap2
ENSMUSG0	187.2749	-0.11446	0.25676	-0.44578	0.655755	0.935699	ENSMUSG0 Lonrf1
ENSMUSG0	696.8833	-0.17372	0.389724	-0.44574	0.655782	0.935699	ENSMUSG0 Zfp609
ENSMUSG0	431.7154	-0.10533	0.236383	-0.44557	0.655909	0.935699	ENSMUSG0 Med12l
ENSMUSG0	1166.824	0.078156	0.175427	0.445518	0.655945	0.935699	ENSMUSG0 Myo1d
ENSMUSG0	5.934633	-0.37449	0.840653	-0.44548	0.655975	0.935699	ENSMUSG04933430117
ENSMUSG0	351.8912	0.112813	0.253296	0.445381	0.656045	0.935699	ENSMUSG0 Tgs1
ENSMUSG0	415.6704	0.083159	0.18672	0.445367	0.656055	0.935699	ENSMUSG0 Nfia
ENSMUSG0	1068.418	-0.05975	0.134187	-0.4453	0.6561	0.935699	ENSMUSG0 Srxn1
ENSMUSG0	52.74534	0.205758	0.462067	0.445298	0.656104	0.935699	ENSMUSG0 Trim5
ENSMUSG0	23.43362	-0.18631	0.418503	-0.44518	0.656187	0.935699	ENSMUSG0E430021H1
ENSMUSG0	1766.124	-0.06981	0.156839	-0.44508	0.656261	0.935699	ENSMUSG0 Mark3
ENSMUSG0	3.58913	0.583178	1.310554	0.444986	0.65633	0.935699	ENSMUSG0 Plin1
ENSMUSG0	7.549363	-0.44638	1.003662	-0.44475	0.656498	0.935699	ENSMUSG0 Gm8108
ENSMUSG0	129.8233	0.092222	0.207396	0.444668	0.65656	0.935699	ENSMUSG0 Gm9776
ENSMUSG0	53.67677	-0.2654	0.597026	-0.44454	0.656652	0.935699	ENSMUSG0 Ripk3
ENSMUSG0	11.77521	0.262482	0.59049	0.444517	0.656669	0.935699	ENSMUSG0 Gm42918
ENSMUSG0	643.4839	-0.08007	0.180153	-0.44446	0.656708	0.935699	ENSMUSG0 Snrpc
ENSMUSG0	9.831567	0.347611	0.782268	0.444362	0.656781	0.935699	ENSMUSG0Tmem132e
ENSMUSG0	378.1008	-0.08179	0.184054	-0.44436	0.656786	0.935699	ENSMUSG0 Aldh3b1
ENSMUSG0	2757.222	-0.07822	0.17605	-0.44432	0.656814	0.935699	ENSMUSG0 Immt
ENSMUSG0	20.20219	0.224452	0.505251	0.444239	0.65687	0.935699	ENSMUSG0 Gm16008
ENSMUSG0	20.97764	0.216221	0.486781	0.444185	0.656909	0.935699	ENSMUSG0 Gm37226
ENSMUSG0	403.9027	0.112614	0.253591	0.444078	0.656986	0.935699	ENSMUSG0 Lrrcc1
ENSMUSG0	31.00283	0.229591	0.517026	0.444062	0.656998	0.935699	ENSMUSG0 Scarna2
ENSMUSG0	447.0408	-0.12964	0.29195	-0.44406	0.656999	0.935699	ENSMUSG0 Hip1
ENSMUSG0	451.6609	0.091672	0.206464	0.444008	0.657037	0.935699	ENSMUSG0 Cenpc1
ENSMUSG0	748.2573	0.089103	0.200689	0.443987	0.657052	0.935699	ENSMUSG0 Arhgap24
ENSMUSG0	303.1702	0.110999	0.250031	0.44394	0.657086	0.935699	ENSMUSG0 Slf1
ENSMUSG0	504.3043	-0.08206	0.184878	-0.44383	0.657162	0.935699	ENSMUSG0 Ogfod3
ENSMUSG0	472.4048	0.214676	0.483765	0.44376	0.657216	0.935699	ENSMUSG0 Cd83
ENSMUSG0	483.5642	-0.06777	0.152717	-0.44375	0.657222	0.935699	ENSMUSG0 Ccdc86
ENSMUSG0	16.60006	-0.18404	0.414732	-0.44375	0.657223	0.935699	ENSMUSG0 Gm42876
ENSMUSG0	650.0528	0.093573	0.210884	0.443717	0.657248	0.935699	ENSMUSG0 Rab34

ENSMUSG0	16.64754	0.295045	0.665052	0.443642	0.657302	0.935699	ENSMUSG0 Gm37691
ENSMUSG0	115.8822	-0.11789	0.265782	-0.44355	0.657367	0.935699	ENSMUSG05330434G0
ENSMUSG0	27.51526	0.237324	0.535104	0.44351	0.657397	0.935699	ENSMUSG0 Scml2
ENSMUSG0	5.358233	-0.33085	0.746101	-0.44344	0.657445	0.935699	ENSMUSG0 Gm6451
ENSMUSG0	16.86843	-0.19448	0.438592	-0.44342	0.65746	0.935699	ENSMUSG04833422M:
ENSMUSG0	1029.537	0.067716	0.152865	0.442978	0.657782	0.936019	ENSMUSG0 Crkl
ENSMUSG0	9.572231	-0.2346	0.529609	-0.44298	0.657782	0.936019	ENSMUSG0 Gm43648
ENSMUSG0	92.39663	-0.14991	0.338474	-0.4429	0.657838	0.936029	ENSMUSG09430038101
ENSMUSG0	335.4067	0.084213	0.190227	0.442699	0.657983	0.936085	ENSMUSG0 BC003965
ENSMUSG0	168.9845	0.081855	0.184935	0.442616	0.658043	0.936085	ENSMUSG0 Krt222
ENSMUSG0	67.89457	0.222954	0.503753	0.442586	0.658065	0.936085	ENSMUSG0 Gm6377
ENSMUSG0	760.4841	-0.05397	0.121971	-0.44252	0.65811	0.936085	ENSMUSG0 Smad1
ENSMUSG0	4313.619	-0.09453	0.213621	-0.44251	0.658122	0.936085	ENSMUSG0 Smarcc2
ENSMUSG0	267.0213	-0.11079	0.250423	-0.4424	0.658203	0.936085	ENSMUSG0B930095G1
ENSMUSG0	11.30197	-0.24146	0.545816	-0.44237	0.658218	0.936085	ENSMUSG0 Gm20324
ENSMUSG0	3139.302	-0.1782	0.402904	-0.44228	0.658288	0.936114	ENSMUSG0 Rpl22l1
ENSMUSG0	16283.41	0.090104	0.203767	0.442193	0.65835	0.936134	ENSMUSG0 JunD
ENSMUSG0	116.3751	0.092623	0.209526	0.442061	0.658445	0.9362	ENSMUSG0D130043K2
ENSMUSG0	3024.729	-0.10223	0.231424	-0.44173	0.658682	0.936393	ENSMUSG0 Ppm1l
ENSMUSG0	438.2466	-0.09073	0.205403	-0.4417	0.658706	0.936393	ENSMUSG0 Idua
ENSMUSG0	631.3073	0.075601	0.17117	0.441672	0.658727	0.936393	ENSMUSG0 G6pdx
ENSMUSG0	263.9357	0.151825	0.34385	0.441545	0.658819	0.936437	ENSMUSG0 Gjb1
ENSMUSG0	5.631199	0.330629	0.748894	0.44149	0.658859	0.936437	ENSMUSG0 Gm42895
ENSMUSG0	3.77086	0.568466	1.287909	0.441387	0.658933	0.936437	ENSMUSG0 Oosp1
ENSMUSG0	6.863318	-0.27672	0.626972	-0.44136	0.658953	0.936437	ENSMUSG0 Egfl6
ENSMUSG0	172.6901	0.09875	0.223919	0.441008	0.659207	0.936576	ENSMUSG0 Zbtb26
ENSMUSG0	672.3879	0.117318	0.26609	0.440897	0.659288	0.936576	ENSMUSG0 Mrpl49
ENSMUSG0	1890.529	-0.08156	0.184983	-0.44089	0.65929	0.936576	ENSMUSG0 Mtrf1l
ENSMUSG0	79.24463	0.131603	0.298554	0.440801	0.659357	0.936576	ENSMUSG0 Lrtm2
ENSMUSG0	267.8142	-0.0846	0.191966	-0.44072	0.659416	0.936576	ENSMUSG0 Atg4a
ENSMUSG0	7.013938	-0.35463	0.804762	-0.44066	0.659457	0.936576	ENSMUSG0 Gm44037
ENSMUSG0	63.77356	0.490692	1.113599	0.440636	0.659477	0.936576	ENSMUSG0 Tmem54
ENSMUSG0	362.7653	-0.09262	0.210191	-0.44063	0.659483	0.936576	ENSMUSG0 Orc6
ENSMUSG0	28.77473	-0.25858	0.586848	-0.44062	0.659488	0.936576	ENSMUSG0 Knl1
ENSMUSG0	3.826598	-0.47399	1.076359	-0.44036	0.659677	0.936712	ENSMUSG0 Gm4617
ENSMUSG0	1216.204	-0.0796	0.18079	-0.44029	0.659727	0.936712	ENSMUSG0 Ncbp2
ENSMUSG0	330.0394	-0.1299	0.295035	-0.44029	0.65973	0.936712	ENSMUSG02310057M:
ENSMUSG0	925.7798	-0.06745	0.153233	-0.44021	0.659787	0.936723	ENSMUSG0 Cldn12
ENSMUSG0	4.77411	0.344975	0.783918	0.440065	0.65989	0.9368	ENSMUSG0 Gm43413
ENSMUSG0	4.316765	0.479049	1.088946	0.43992	0.659995	0.93688	ENSMUSG0 Lrrn4
ENSMUSG0	66.79159	-0.12837	0.29191	-0.43977	0.660105	0.936967	ENSMUSG0 Cldn9
ENSMUSG0	4125.44	0.100968	0.229687	0.439588	0.660236	0.937054	ENSMUSG0 Hspd1
ENSMUSG0	4.856393	-0.3314	0.753956	-0.43955	0.660264	0.937054	ENSMUSG0 Gm10933
ENSMUSG0	1288.34	-0.11274	0.25653	-0.43947	0.660324	0.937071	ENSMUSG0 Unc13b
ENSMUSG0	639.0029	-0.11809	0.268815	-0.43928	0.660455	0.937143	ENSMUSG0 Ncapd2
ENSMUSG0	1576.511	-0.10799	0.245895	-0.43918	0.660533	0.937143	ENSMUSG0 Pnpla8
ENSMUSG0	606.8321	0.108951	0.248141	0.439072	0.66061	0.937143	ENSMUSG0 Pmvk
ENSMUSG0	505.0082	-0.1086	0.247381	-0.439	0.660665	0.937143	ENSMUSG0 Ptges2
ENSMUSG0	17.96256	-0.18547	0.422492	-0.43899	0.660672	0.937143	ENSMUSG0 Gm45292
ENSMUSG0	3.42554	0.378888	0.863316	0.438876	0.660751	0.937143	ENSMUSG0 Nfe2
ENSMUSG0	7.674532	0.258421	0.588875	0.438839	0.660778	0.937143	ENSMUSG0 Eef1a1-ps1
ENSMUSG0	175.8068	0.127382	0.290297	0.438801	0.660806	0.937143	ENSMUSG0 Caprin2

ENSMUSG0	331.4468	0.174228	0.397245	0.438591	0.660958	0.937143	ENSMUSG0	Zbtb37
ENSMUSG0	2049.274	0.094797	0.216164	0.438543	0.660993	0.937143	ENSMUSG0	Cul7
ENSMUSG0	44.84135	-0.18754	0.427648	-0.43854	0.660996	0.937143	ENSMUSG0	Tpmt
ENSMUSG0	1476.367	-0.09803	0.223544	-0.43852	0.661013	0.937143	ENSMUSG0	Zscan26
ENSMUSG0	1447.239	-0.06086	0.138778	-0.43851	0.661013	0.937143	ENSMUSG0	Dnpep
ENSMUSG0	467.7139	0.149664	0.341344	0.438455	0.661057	0.937143	ENSMUSG0	Slc2a13
ENSMUSG0	373.1813	0.0766	0.174752	0.438333	0.661145	0.937199	ENSMUSG0	Ccdc93
ENSMUSG0	12.25855	-0.26797	0.611424	-0.43826	0.661195	0.9372	ENSMUSG0	Gm42840
ENSMUSG0	10.66551	0.272721	0.622645	0.438004	0.661384	0.937399	ENSMUSG0	9130017K1
ENSMUSG0	6.956985	0.571118	1.304141	0.437927	0.661439	0.937409	ENSMUSG0	Klra7
ENSMUSG0	16.89107	0.215781	0.492882	0.437796	0.661534	0.937474	ENSMUSG0	Tubb1
ENSMUSG0	1996.665	0.086669	0.198013	0.437693	0.661609	0.937489	ENSMUSG0	Sucla2
ENSMUSG0	6.983096	-0.26427	0.603967	-0.43755	0.66171	0.937489	ENSMUSG0	Trim38
ENSMUSG0	7288.298	0.112435	0.257025	0.437448	0.661786	0.937489	ENSMUSG0	Mdh1
ENSMUSG0	2897.454	-0.07023	0.160563	-0.43739	0.661829	0.937489	ENSMUSG0	Tmem259
ENSMUSG0	75.10219	0.143372	0.327792	0.437389	0.661829	0.937489	ENSMUSG0	Zfp850
ENSMUSG0	1681.215	-0.07471	0.170848	-0.43731	0.661884	0.937489	ENSMUSG0	Ogfr
ENSMUSG0	1817.433	-0.09813	0.224413	-0.43726	0.661923	0.937489	ENSMUSG0	Elob
ENSMUSG0	620.8656	-0.07667	0.175389	-0.43717	0.661991	0.937489	ENSMUSG0	Ccdc22
ENSMUSG0	12.2474	-0.21662	0.495535	-0.43714	0.662013	0.937489	ENSMUSG0	Rbp3
ENSMUSG0	4947.16	-0.06849	0.156685	-0.43709	0.662044	0.937489	ENSMUSG0	Csde1
ENSMUSG0	11.64305	0.452201	1.034685	0.437042	0.662081	0.937489	ENSMUSG0	Rspo1
ENSMUSG0	275.3595	0.082343	0.188458	0.436933	0.66216	0.937532	ENSMUSG0	Pkmyt1
ENSMUSG0	4.102703	-0.30033	0.687808	-0.43665	0.662366	0.937711	ENSMUSG0	6720483E2
ENSMUSG0	15.00298	0.26464	0.606105	0.436625	0.662384	0.937711	ENSMUSG0	Gm15634
ENSMUSG0	61.29064	-0.2097	0.480381	-0.43653	0.662452	0.937724	ENSMUSG0	Adamts15
ENSMUSG0	164.0788	0.092755	0.212547	0.436399	0.662547	0.937724	ENSMUSG0	Gpr162
ENSMUSG0	3.71592	-0.4248	0.973553	-0.43634	0.662593	0.937724	ENSMUSG0	Gm45745
ENSMUSG0	4.735426	-0.35739	0.81932	-0.43621	0.662685	0.937724	ENSMUSG0	Gm49297
ENSMUSG0	5.951701	0.284121	0.651437	0.436145	0.662732	0.937724	ENSMUSG0	Gm47513
ENSMUSG0	12.20921	-0.20195	0.463132	-0.43606	0.662794	0.937724	ENSMUSG0	Kpna2-ps
ENSMUSG0	6.921085	0.32965	0.756045	0.43602	0.662822	0.937724	ENSMUSG0	Tmod4
ENSMUSG0	425.0292	0.156123	0.358092	0.435987	0.662846	0.937724	ENSMUSG0	Plpp2
ENSMUSG0	447.59	-0.09889	0.226839	-0.43596	0.662868	0.937724	ENSMUSG0	E4f1
ENSMUSG0	1548.134	0.108158	0.248141	0.435875	0.662927	0.937724	ENSMUSG0	Nup210
ENSMUSG0	517.2581	-0.11062	0.253817	-0.43583	0.662959	0.937724	ENSMUSG0	Cox19
ENSMUSG0	50.71682	-0.21384	0.490674	-0.4358	0.662978	0.937724	ENSMUSG0	4430402118
ENSMUSG0	488.9262	0.070826	0.162597	0.435594	0.663131	0.937872	ENSMUSG0	Vti1a
ENSMUSG0	27.06424	-0.19084	0.438341	-0.43537	0.663297	0.938015	ENSMUSG0	Akap5
ENSMUSG0	3618.902	0.110335	0.253457	0.43532	0.66333	0.938015	ENSMUSG0	Hspa4
ENSMUSG0	885.7342	0.108071	0.248306	0.435234	0.663393	0.938034	ENSMUSG0	Cers4
ENSMUSG0	10.6892	-0.28361	0.651869	-0.43507	0.663508	0.938051	ENSMUSG0	Rpl19-ps1
ENSMUSG0	2067.561	-0.15907	0.365614	-0.43507	0.663509	0.938051	ENSMUSG0	Rbx1
ENSMUSG0	71.90382	0.214392	0.49287	0.434987	0.663572	0.938051	ENSMUSG0	St8sia6
ENSMUSG0	5.117094	0.418627	0.962526	0.434925	0.663617	0.938051	ENSMUSG0	Il12a
ENSMUSG0	17.50765	-0.21311	0.490214	-0.43474	0.663753	0.938051	ENSMUSG0	Gm6288
ENSMUSG0	760.0889	-0.07994	0.183938	-0.43463	0.663832	0.938051	ENSMUSG0	Snx10
ENSMUSG0	4.575036	0.374261	0.861163	0.4346	0.663853	0.938051	ENSMUSG0	Gm45817
ENSMUSG0	276.7996	-0.13235	0.304594	-0.4345	0.663924	0.938051	ENSMUSG0	2410022M:
ENSMUSG0	542.8342	0.084091	0.193591	0.434374	0.664017	0.938051	ENSMUSG0	Tent4a
ENSMUSG0	1396.154	-0.08315	0.191451	-0.43432	0.664053	0.938051	ENSMUSG0	Abi1
ENSMUSG0	43.31564	-0.17439	0.401536	-0.43432	0.664057	0.938051	ENSMUSG0	Higd1b

ENSMUSG0	151.2771	-0.09583	0.220651	-0.4343	0.664069	0.938051	ENSMUSG0 Tma16
ENSMUSG0	2803.086	-0.09112	0.209808	-0.43429	0.664079	0.938051	ENSMUSG0 Celf1
ENSMUSG0	441.8645	-0.07146	0.1646	-0.43417	0.664167	0.938051	ENSMUSG0 Cenpx
ENSMUSG0	404.2488	0.087348	0.201194	0.434147	0.664182	0.938051	ENSMUSG0 Gpatch2l
ENSMUSG0	6.085881	-0.26375	0.607561	-0.43412	0.664204	0.938051	ENSMUSG0 Lrrc39
ENSMUSG0	25.18638	-0.26169	0.603048	-0.43394	0.664331	0.938051	ENSMUSG0 Gm47738
ENSMUSG0	1844.703	-0.09711	0.223807	-0.43392	0.664347	0.938051	ENSMUSG0 Dop1b
ENSMUSG0	82.61133	0.115609	0.266433	0.433912	0.664352	0.938051	ENSMUSG0 Cdc7
ENSMUSG0	20.02236	0.268579	0.619026	0.433874	0.66438	0.938051	ENSMUSG0 Creb3l4
ENSMUSG0	590.836	0.152641	0.351931	0.433725	0.664488	0.938136	ENSMUSG0 Mdn1
ENSMUSG0	3.34475	0.392937	0.906364	0.433531	0.664629	0.938265	ENSMUSG0 Gm10481
ENSMUSG0	363.412	0.108006	0.249178	0.433449	0.664688	0.938275	ENSMUSG0 Eepd1
ENSMUSG0	3.273902	-0.43294	0.999077	-0.43334	0.664771	0.938275	ENSMUSG0 Art1
ENSMUSG0	982.4526	-0.14916	0.344364	-0.43316	0.664899	0.938275	ENSMUSG0 Tut4
ENSMUSG0	2287.625	-0.06926	0.159889	-0.43316	0.664899	0.938275	ENSMUSG0 Stt3b
ENSMUSG0	19.59674	-0.23439	0.541163	-0.43312	0.664927	0.938275	ENSMUSG0 Gm17249
ENSMUSG0	2.936244	0.436431	1.007856	0.433029	0.664993	0.938275	ENSMUSG0 Gm36931
ENSMUSG0	16.95462	-0.23756	0.548595	-0.43303	0.664994	0.938275	ENSMUSG0 Tekt5
ENSMUSG0	61.107	0.261464	0.603917	0.432946	0.665054	0.938275	ENSMUSG0 Mustn1
ENSMUSG0	253.3157	-0.08596	0.198571	-0.43291	0.665078	0.938275	ENSMUSG0 Magef1
ENSMUSG0	4.314362	-0.37215	0.859883	-0.43279	0.66517	0.938275	ENSMUSG0 Gm45804
ENSMUSG0	11.80343	-0.27866	0.643881	-0.43278	0.665173	0.938275	ENSMUSG0 Gm43323
ENSMUSG0	129.5166	-0.09964	0.230342	-0.43255	0.665338	0.938415	ENSMUSG0 Oas1c
ENSMUSG0	879.2315	0.088463	0.20457	0.432434	0.665426	0.938415	ENSMUSG0 Ppp2r5e
ENSMUSG0	161.5779	0.215579	0.49864	0.432335	0.665498	0.938415	ENSMUSG0 Fbln5
ENSMUSG0	38.03224	-0.13248	0.306422	-0.43233	0.665502	0.938415	ENSMUSG0 Gm19605
ENSMUSG0	445.0287	-0.07702	0.178156	-0.43231	0.665516	0.938415	ENSMUSG0 Mpv17l2
ENSMUSG0	114.7758	0.125281	0.289865	0.432206	0.665592	0.938419	ENSMUSG0 Haus3
ENSMUSG0	7.645844	-0.36115	0.835719	-0.43214	0.66564	0.938419	ENSMUSG0 Aqp3
ENSMUSG0	403.15	0.137851	0.319037	0.432085	0.66568	0.938419	ENSMUSG0 Plxna1
ENSMUSG0	517.7403	-0.0814	0.18842	-0.43204	0.665714	0.938419	ENSMUSG0 Pfas
ENSMUSG0	55.05435	-0.20327	0.470646	-0.4319	0.665814	0.938444	ENSMUSG0 Eaf2
ENSMUSG0	436.4131	0.082026	0.190006	0.431703	0.665958	0.938444	ENSMUSG0 Me2
ENSMUSG0	3911.498	0.08295	0.192198	0.431584	0.666044	0.938444	ENSMUSG0 Taok2
ENSMUSG0	1153.124	-0.10721	0.248425	-0.43157	0.666054	0.938444	ENSMUSG0 Pkn2
ENSMUSG0	1196.43	0.142203	0.32952	0.431545	0.666072	0.938444	ENSMUSG0 Kat6a
ENSMUSG0	98.48161	-0.12217	0.283124	-0.43151	0.666095	0.938444	ENSMUSG0 Gpihbp1
ENSMUSG0	35.19934	0.249645	0.578564	0.431491	0.666111	0.938444	ENSMUSG0 Pf4
ENSMUSG0	741.3452	-0.05595	0.129662	-0.43148	0.666122	0.938444	ENSMUSG0 Smad2
ENSMUSG0	3.039258	-0.61566	1.427263	-0.43135	0.666211	0.938501	ENSMUSG0 Zyg11a
ENSMUSG0	16.09734	-0.19879	0.461024	-0.43119	0.666334	0.938555	ENSMUSG0 Gm16576
ENSMUSG0	1008.024	0.108076	0.250695	0.431105	0.666392	0.938555	ENSMUSG0 Zcchc17
ENSMUSG0	53.04908	-0.23711	0.550006	-0.4311	0.666395	0.938555	ENSMUSG0 Pde9a
ENSMUSG0	670.409	-0.0605	0.140386	-0.43095	0.666505	0.938606	ENSMUSG0 Dedd
ENSMUSG0	413.6745	0.094699	0.219807	0.430826	0.666595	0.938606	ENSMUSG0 Galt
ENSMUSG0	465.1179	-0.08086	0.187726	-0.43072	0.66667	0.938606	ENSMUSG0 Nip7
ENSMUSG0	895.7415	-0.15029	0.34893	-0.43072	0.666674	0.938606	ENSMUSG0 Kcnma1
ENSMUSG0	1819.323	-0.11361	0.263796	-0.43066	0.666716	0.938606	ENSMUSG0 Pank3
ENSMUSG0	127.9859	-0.14126	0.328055	-0.4306	0.66676	0.938606	ENSMUSG0 Dhrrs11
ENSMUSG0	6.104014	0.338635	0.786801	0.430395	0.666909	0.938606	ENSMUSG0 Gm38699
ENSMUSG0	44.44405	-0.26819	0.623136	-0.43038	0.66692	0.938606	ENSMUSG0 Ccbe1
ENSMUSG0	860.6839	0.045483	0.105688	0.430353	0.666939	0.938606	ENSMUSG0 Dync1li1

ENSMUSG0	13.39001	-0.18416	0.427944	-0.43034	0.666945	0.938606	ENSMUSG0A430078101
ENSMUSG0	721.1336	-0.08212	0.19085	-0.43031	0.666969	0.938606	ENSMUSG0 Mtx2
ENSMUSG0	802.3406	-0.10599	0.246383	-0.43017	0.66707	0.93861	ENSMUSG0Mrpl23-ps1
ENSMUSG0	310.2848	-0.09428	0.219182	-0.43014	0.667094	0.93861	ENSMUSG0 Nr6a1
ENSMUSG0	631.5431	-0.07356	0.171055	-0.43005	0.667157	0.93861	ENSMUSG0 Kti12
ENSMUSG0	14.72262	0.359123	0.835223	0.429972	0.667216	0.93861	ENSMUSG0 Clec4a3
ENSMUSG0	7.300352	-0.38156	0.88758	-0.42988	0.66728	0.93861	ENSMUSG0 Gm48585
ENSMUSG0	635.7764	-0.05756	0.133923	-0.42979	0.667348	0.93861	ENSMUSG0 Ints11
ENSMUSG0	337.2138	0.088681	0.206344	0.429771	0.667362	0.93861	ENSMUSG0 Gemin8
ENSMUSG0	51.19515	-0.27411	0.638317	-0.42943	0.66761	0.93869	ENSMUSG0 Ccr5
ENSMUSG0	72.09466	0.127887	0.297897	0.4293	0.667705	0.93869	ENSMUSG0 Mms22l
ENSMUSG0	1396.829	-0.09947	0.231705	-0.4293	0.667707	0.93869	ENSMUSG0 Aurkaip1
ENSMUSG0	999.2774	0.069207	0.161237	0.429228	0.667758	0.93869	ENSMUSG0 Ramac
ENSMUSG0	3355.107	-0.11668	0.271864	-0.42919	0.667782	0.93869	ENSMUSG0 Myo18a
ENSMUSG0	1016.988	-0.04385	0.102172	-0.42918	0.667792	0.93869	ENSMUSG0 Plaa
ENSMUSG0	1190.798	0.113198	0.263768	0.429157	0.667809	0.93869	ENSMUSG0 Wdfy3
ENSMUSG0	2319.548	0.110555	0.257916	0.428648	0.668179	0.939107	ENSMUSG0 Use1
ENSMUSG0	702.8737	-0.10117	0.236031	-0.42862	0.668203	0.939107	ENSMUSG0 Decr1
ENSMUSG0	9.760402	0.352973	0.823761	0.42849	0.668295	0.939167	ENSMUSG0 Gm15326
ENSMUSG0	4.413248	0.534834	1.248417	0.42841	0.668353	0.93918	ENSMUSG0 Klrc2
ENSMUSG0	113.4169	-0.10527	0.245814	-0.42826	0.668461	0.939264	ENSMUSG04632427E1
ENSMUSG0	909.6529	-0.07645	0.178579	-0.42809	0.668583	0.939342	ENSMUSG0 Stk11ip
ENSMUSG0	422.1065	-0.09049	0.211389	-0.42805	0.668614	0.939342	ENSMUSG0 Ttll5
ENSMUSG0	13078.89	-0.08046	0.188065	-0.42782	0.668783	0.939488	ENSMUSG0 Ctsd
ENSMUSG0	1013.264	-0.06748	0.15776	-0.42772	0.668854	0.939488	ENSMUSG0 Mrpl37
ENSMUSG0	3.974885	-0.35773	0.83639	-0.42771	0.668865	0.939488	ENSMUSG0 Hoxa1
ENSMUSG0	1009.908	-0.07119	0.166463	-0.42764	0.668914	0.939488	ENSMUSG0 Tmem115
ENSMUSG0	6.008011	0.326177	0.763215	0.427372	0.669109	0.939632	ENSMUSG0AC160336.1
ENSMUSG0	1133.402	0.115581	0.270579	0.427162	0.669262	0.939632	ENSMUSG0 Rps6ka3
ENSMUSG0	25.62493	-0.2753	0.644494	-0.42716	0.669265	0.939632	ENSMUSG0 Trim30b
ENSMUSG0	829.9586	-0.08995	0.21062	-0.42706	0.669334	0.939632	ENSMUSG0 Napg
ENSMUSG0	69.44677	0.194266	0.454941	0.427013	0.66937	0.939632	ENSMUSG0 Ddx11
ENSMUSG0	9.157409	-1.23957	2.903746	-0.42689	0.669461	0.939632	ENSMUSG0 Gm13378
ENSMUSG0	7.840357	0.278908	0.65337	0.426875	0.66947	0.939632	ENSMUSG0 Gm42928
ENSMUSG0	124.1978	-0.08988	0.210557	-0.42687	0.669471	0.939632	ENSMUSG0 Xrcc2
ENSMUSG0	4044.408	-0.07357	0.172404	-0.42676	0.669558	0.939632	ENSMUSG0 Uqcrc1
ENSMUSG0	2302.272	-0.1114	0.261037	-0.42675	0.66956	0.939632	ENSMUSG0 Rnaset2b
ENSMUSG0	80.26171	-0.14887	0.348888	-0.4267	0.669598	0.939632	ENSMUSG0 Btbd19
ENSMUSG0	127.8515	0.161609	0.378747	0.426693	0.669603	0.939632	ENSMUSG0 Rab26os
ENSMUSG0	70.83452	-0.27895	0.65393	-0.42657	0.66969	0.939685	ENSMUSG0 Hoxa5
ENSMUSG0	714.2325	0.069402	0.162822	0.426243	0.669931	0.939818	ENSMUSG0 Tlnrd1
ENSMUSG0	6.065865	-0.34356	0.806217	-0.42614	0.670008	0.939818	ENSMUSG0 Gm38293
ENSMUSG0	99.49718	-0.14472	0.339678	-0.42606	0.670066	0.939818	ENSMUSG0 Gm48764
ENSMUSG0	1625.13	-0.10045	0.235779	-0.42602	0.670091	0.939818	ENSMUSG0 Cpt1a
ENSMUSG0	1971.229	-0.05184	0.121769	-0.42576	0.670283	0.939818	ENSMUSG0 Otud5
ENSMUSG0	370.3727	0.111413	0.261796	0.425571	0.67042	0.939818	ENSMUSG0 Rasal2
ENSMUSG0	726.7353	-0.1256	0.295154	-0.42555	0.670435	0.939818	ENSMUSG0 Ubxn2a
ENSMUSG0	3105.423	-0.09108	0.214047	-0.42552	0.670461	0.939818	ENSMUSG0 Ppp1cc
ENSMUSG0	5.425282	-0.45825	1.077037	-0.42547	0.670494	0.939818	ENSMUSG0 Igkv9-124
ENSMUSG0	400.1867	-0.14349	0.337252	-0.42547	0.670496	0.939818	ENSMUSG0 Rgcc
ENSMUSG0	907.2095	0.056084	0.131841	0.425394	0.67055	0.939818	ENSMUSG0 Lmf2
ENSMUSG0	451.8329	0.064784	0.152311	0.425337	0.670591	0.939818	ENSMUSG0 Efl1

ENSMUSG0	2733.303	0.063809	0.150034	0.4253	0.670618	0.939818	ENSMUSG0 Abca2
ENSMUSG0	2715.878	-0.12088	0.284255	-0.42525	0.670653	0.939818	ENSMUSG0 Atp5o
ENSMUSG0	252.9737	0.116004	0.272805	0.425227	0.670671	0.939818	ENSMUSG0 Sinhcaf
ENSMUSG0	958.6022	-0.09573	0.22515	-0.42516	0.670717	0.939818	ENSMUSG0 Cul5
ENSMUSG0	169.2389	0.247423	0.581972	0.425146	0.67073	0.939818	ENSMUSG0 Cxcr5
ENSMUSG0	755.8471	0.086285	0.203016	0.425015	0.670826	0.939818	ENSMUSG0 Ugdh
ENSMUSG0	596.5365	-0.07356	0.173116	-0.42491	0.670901	0.939818	ENSMUSG0 Lsm12
ENSMUSG0	851.3101	-0.08751	0.206029	-0.42473	0.67103	0.939818	ENSMUSG0 Lrrc73
ENSMUSG0	71.52551	0.195583	0.460508	0.424712	0.671046	0.939818	ENSMUSG0 Gm49883
ENSMUSG0	1368.388	0.084794	0.199656	0.424701	0.671054	0.939818	ENSMUSG0 Rgp1
ENSMUSG0	531.1333	-0.14133	0.332769	-0.4247	0.671057	0.939818	ENSMUSG0 Chchd1
ENSMUSG0	388.7481	0.072318	0.170288	0.424681	0.671069	0.939818	ENSMUSG0 Cnksr1
ENSMUSG0	1219.686	-0.12309	0.289897	-0.42458	0.671139	0.939818	ENSMUSG0 Snrpd2
ENSMUSG0	759.4122	-0.09692	0.228317	-0.42448	0.671212	0.939818	ENSMUSG0 Igbp1
ENSMUSG0	8285.51	0.101202	0.238422	0.424465	0.671226	0.939818	ENSMUSG0 Calm3
ENSMUSG0	5.605779	0.390412	0.919844	0.424433	0.67125	0.939818	ENSMUSG0 4933417D1
ENSMUSG0	3436.847	-0.07787	0.183534	-0.42428	0.67136	0.939835	ENSMUSG0 Man1a
ENSMUSG0	48.45155	0.354431	0.835749	0.424088	0.671502	0.939888	ENSMUSG0 Gm4117
ENSMUSG0	663.5477	-0.06458	0.152292	-0.42405	0.671529	0.939888	ENSMUSG0 Tmub1
ENSMUSG0	176.4176	-0.08887	0.209584	-0.42403	0.671544	0.939888	ENSMUSG0 Pqlc2
ENSMUSG0	964.5813	-0.08699	0.205232	-0.42388	0.671654	0.939928	ENSMUSG0 Gabrb3
ENSMUSG0	602.8301	-0.11622	0.274187	-0.42386	0.671671	0.939928	ENSMUSG0 Rflna
ENSMUSG0	665.8993	-0.08065	0.19032	-0.42376	0.671741	0.939958	ENSMUSG0 Emc6
ENSMUSG0	832.2969	0.10246	0.241853	0.423644	0.671825	0.939963	ENSMUSG0 Senp5
ENSMUSG0	14.48416	0.343533	0.810957	0.423614	0.671847	0.939963	ENSMUSG0 Spic
ENSMUSG0	1007.763	-0.14263	0.336819	-0.42346	0.671962	0.939963	ENSMUSG0 Glcci1
ENSMUSG0	32.79163	-0.16186	0.382296	-0.42338	0.672017	0.939963	ENSMUSG0 Thpo
ENSMUSG0	473.1114	-0.09612	0.227134	-0.4232	0.672151	0.939963	ENSMUSG0 Ccdc181
ENSMUSG0	7556.058	0.121842	0.287945	0.423144	0.67219	0.939963	ENSMUSG0 Ddx3x
ENSMUSG0	743.9695	-0.12949	0.306134	-0.42297	0.672318	0.939963	ENSMUSG0 Zbtb41
ENSMUSG0	6.617	-0.246	0.581616	-0.42297	0.67232	0.939963	ENSMUSG0 Gm44729
ENSMUSG0	235.6064	0.119913	0.283597	0.422828	0.672421	0.939963	ENSMUSG0 Jrkl
ENSMUSG0	1620.958	-0.105	0.248322	-0.42283	0.672421	0.939963	ENSMUSG0 Ndufa9
ENSMUSG0	7069.687	0.126849	0.300056	0.422752	0.672476	0.939963	ENSMUSG0 Npc2
ENSMUSG0	277.7309	0.089071	0.210766	0.422605	0.672583	0.939963	ENSMUSG0 Slc25a40
ENSMUSG0	1814.301	-0.07303	0.172826	-0.42256	0.672619	0.939963	ENSMUSG0 Golga7
ENSMUSG0	5.196224	0.307066	0.726995	0.422377	0.67275	0.939963	ENSMUSG0 Rnf223
ENSMUSG0	284.8975	-0.06924	0.163927	-0.42237	0.672752	0.939963	ENSMUSG0 Noc4l
ENSMUSG0	1557.252	-0.07331	0.173592	-0.42228	0.672817	0.939963	ENSMUSG0 Trim25
ENSMUSG0	161.2946	-0.11455	0.271315	-0.42221	0.67287	0.939963	ENSMUSG0 Angptl6
ENSMUSG0	357.9022	0.06695	0.158633	0.422042	0.672994	0.939963	ENSMUSG0 Mlh1
ENSMUSG0	214.4542	-0.12739	0.301848	-0.42202	0.673013	0.939963	ENSMUSG0 Dhrrs13
ENSMUSG0	451.3632	0.059542	0.141097	0.421994	0.673029	0.939963	ENSMUSG0 Slc20a2
ENSMUSG0	871.4829	0.104194	0.246939	0.421943	0.673067	0.939963	ENSMUSG0 Pgpep1
ENSMUSG0	940.9131	-0.07149	0.16949	-0.42178	0.673189	0.939963	ENSMUSG0 Dctn5
ENSMUSG0	1559.603	-0.08795	0.208521	-0.42177	0.673192	0.939963	ENSMUSG0 Cndp2
ENSMUSG0	732.2638	-0.11923	0.282719	-0.42171	0.673236	0.939963	ENSMUSG0 Emsy
ENSMUSG0	2098.245	-0.10515	0.249337	-0.42171	0.673239	0.939963	ENSMUSG0 Pura
ENSMUSG0	536.7502	0.139355	0.330485	0.421669	0.673267	0.939963	ENSMUSG0 Usf3
ENSMUSG0	10.3061	0.324826	0.770378	0.421645	0.673284	0.939963	ENSMUSG0 Gm44053
ENSMUSG0	7640.395	0.067649	0.160461	0.421593	0.673322	0.939963	ENSMUSG0 Atp6ap1
ENSMUSG0	2220.871	-0.06304	0.149536	-0.42156	0.673349	0.939963	ENSMUSG0 Nus1

ENSMUSG0	436.0881	0.051096	0.12121	0.42155	0.673354	0.939963	ENSMUSG0 Rbm45
ENSMUSG0	374.0716	-0.1167	0.276873	-0.4215	0.673391	0.939963	ENSMUSG0 Cyb5rl
ENSMUSG0	679.8536	-0.09046	0.214629	-0.42149	0.673397	0.939963	ENSMUSG0 Exosc4
ENSMUSG0	32.62762	0.212081	0.503276	0.421402	0.673462	0.939963	ENSMUSG0 Zfp109
ENSMUSG0	609.5997	0.121089	0.287376	0.421362	0.673491	0.939963	ENSMUSG0 Fam160b2
ENSMUSG0	4419.854	0.069366	0.164649	0.421298	0.673537	0.939963	ENSMUSG0 Matr3
ENSMUSG0	183.6075	-0.15382	0.365128	-0.42128	0.673549	0.939963	ENSMUSG0 Dusp4
ENSMUSG0	20.57372	1.061028	2.518865	0.421233	0.673585	0.939963	ENSMUSG0 Trpc2
ENSMUSG0	5.791465	-0.43139	1.024173	-0.42121	0.673601	0.939963	ENSMUSG0 Gm49701
ENSMUSG0	341.003	0.128674	0.305736	0.420867	0.673852	0.940114	ENSMUSG0 Shank3
ENSMUSG0	5.415257	0.364796	0.867283	0.420619	0.674033	0.940114	ENSMUSG0 Gm37558
ENSMUSG0	9.51847	0.37257	0.885954	0.42053	0.674098	0.940114	ENSMUSG0 Zfpm2
ENSMUSG0	85.51857	-0.38529	0.916297	-0.42048	0.674134	0.940114	ENSMUSG0 Zbp1
ENSMUSG0	5538.848	0.096671	0.229932	0.420431	0.674171	0.940114	ENSMUSG0 Slc25a4
ENSMUSG0	28.6208	0.183828	0.437297	0.420373	0.674213	0.940114	ENSMUSG0 Cpt1b
ENSMUSG0	1335.869	-0.10057	0.239253	-0.42033	0.674243	0.940114	ENSMUSG0 Nup98
ENSMUSG0	781.0085	-0.06526	0.155261	-0.42031	0.674256	0.940114	ENSMUSG0 Epn2
ENSMUSG0	434.917	-0.07531	0.179239	-0.42017	0.674364	0.940114	ENSMUSG0 Neil1
ENSMUSG0	1353.687	0.113039	0.269063	0.420121	0.674397	0.940114	ENSMUSG0 Spr
ENSMUSG0	814.7705	0.065888	0.156832	0.420119	0.674398	0.940114	ENSMUSG0 Mrpl38
ENSMUSG0	186.9717	0.266818	0.635106	0.420116	0.6744	0.940114	ENSMUSG0 Ccl19
ENSMUSG0	3378.1	-0.09048	0.215396	-0.42007	0.674438	0.940114	ENSMUSG0 Pde4dip
ENSMUSG0	2552.051	0.109594	0.260947	0.419986	0.674495	0.940114	ENSMUSG0 Ecpas
ENSMUSG0	67.81171	-0.11177	0.266138	-0.41996	0.674512	0.940114	ENSMUSG0 Gm42809
ENSMUSG0	1972.196	-0.05582	0.133008	-0.41969	0.674711	0.940114	ENSMUSG0 Man1b1
ENSMUSG0	669.6463	-0.05509	0.131275	-0.41962	0.674765	0.940114	ENSMUSG0 Tyw1
ENSMUSG0	394.0862	-0.12613	0.300598	-0.41959	0.674784	0.940114	ENSMUSG0 Cebpzos
ENSMUSG0	172.1758	0.109344	0.260618	0.419554	0.674811	0.940114	ENSMUSG0 Zfp979
ENSMUSG0	18.33673	0.239376	0.57059	0.419524	0.674833	0.940114	ENSMUSG0 Gm45464
ENSMUSG0	37.58895	0.203704	0.485608	0.419482	0.674864	0.940114	ENSMUSG0 Rimklb
ENSMUSG0	469.7763	0.245697	0.58577	0.419442	0.674893	0.940114	ENSMUSG0 Sell
ENSMUSG0	623.6081	0.101163	0.241198	0.419418	0.674911	0.940114	ENSMUSG0 Slc39a11
ENSMUSG0	215.3213	0.099961	0.238363	0.419363	0.674951	0.940114	ENSMUSG0 Arsg
ENSMUSG0	1337.193	0.09548	0.227681	0.41936	0.674953	0.940114	ENSMUSG0 Zmym2
ENSMUSG0	2285.8	0.095006	0.226573	0.419318	0.674984	0.940114	ENSMUSG0 Arpc4
ENSMUSG0	1379.569	0.120943	0.288535	0.419162	0.675098	0.940114	ENSMUSG0 Rps4l
ENSMUSG0	10534.81	0.079659	0.190051	0.419144	0.675111	0.940114	ENSMUSG0 Ddb1
ENSMUSG0	7.229487	-0.30335	0.723766	-0.41912	0.675126	0.940114	ENSMUSG0 Gm19696
ENSMUSG0	40.76903	0.310751	0.74175	0.418943	0.675258	0.940134	ENSMUSG0 Bcl2a1a
ENSMUSG0	1530.586	-0.1185	0.282895	-0.41888	0.675307	0.940134	ENSMUSG0 Wdr83os
ENSMUSG0	55.61605	0.209921	0.501296	0.418756	0.675395	0.940134	ENSMUSG0 Lst1
ENSMUSG0	8.594591	0.280792	0.670568	0.418738	0.675408	0.940134	ENSMUSG0 Gm46136
ENSMUSG0	331.8313	-0.06017	0.143708	-0.41868	0.675451	0.940134	ENSMUSG09930104L0I
ENSMUSG0	410.3095	-0.06905	0.164936	-0.41866	0.675463	0.940134	ENSMUSG0 Utp15
ENSMUSG0	96.84993	-0.09283	0.22175	-0.41863	0.675483	0.940134	ENSMUSG0 Zfp184
ENSMUSG0	31.40441	-0.17867	0.426973	-0.41845	0.675618	0.940155	ENSMUSG0 Esco2
ENSMUSG0	4.280576	0.364126	0.870296	0.418393	0.67566	0.940155	ENSMUSG0 Gm12932
ENSMUSG0	5.066692	0.346553	0.82855	0.418264	0.675754	0.940155	ENSMUSG02900060N1
ENSMUSG0	11.25025	0.234563	0.560807	0.418261	0.675757	0.940155	ENSMUSG0 Gm15535
ENSMUSG0	839.9269	-0.06265	0.149795	-0.41824	0.675769	0.940155	ENSMUSG0 Ngly1
ENSMUSG0	2800.116	-0.07947	0.190016	-0.41821	0.675792	0.940155	ENSMUSG0 Tomm20
ENSMUSG0	891.3686	0.089255	0.213579	0.417902	0.676019	0.94038	ENSMUSG0 Map1s

ENSMUSG0	34.99343	-0.29083	0.696227	-0.41772	0.676153	0.94038	ENSMUSG0 Stc2
ENSMUSG0	93.26199	0.245215	0.58705	0.417707	0.676161	0.94038	ENSMUSG0 Kmo
ENSMUSG0	18.27131	-0.18366	0.439828	-0.41758	0.676257	0.94038	ENSMUSG02810408A1
ENSMUSG0	347.5897	0.065677	0.157305	0.417517	0.676301	0.94038	ENSMUSG0 Armcx5
ENSMUSG0	117.1952	-0.14769	0.353797	-0.41745	0.676347	0.94038	ENSMUSG0 Zfp975
ENSMUSG0	2707.519	0.085415	0.204614	0.417446	0.676352	0.94038	ENSMUSG0 Raly
ENSMUSG0	136.4553	0.087997	0.210821	0.417401	0.676385	0.94038	ENSMUSG0 Zfp101
ENSMUSG0	915.3952	0.062222	0.149109	0.417293	0.676464	0.94038	ENSMUSG0 Pak1ip1
ENSMUSG0	910.3007	-0.05076	0.121655	-0.41728	0.67647	0.94038	ENSMUSG0 Washc1
ENSMUSG0	7.958913	-0.30027	0.719641	-0.41726	0.676491	0.94038	ENSMUSG0 Gm45873
ENSMUSG0	2345.58	-0.13466	0.322905	-0.41702	0.676662	0.940549	ENSMUSG0 Cox7c
ENSMUSG0	1310.939	-0.09139	0.219186	-0.41695	0.676714	0.940554	ENSMUSG0 Slc36a1
ENSMUSG0	3786.605	0.084581	0.202954	0.41675	0.676861	0.940691	ENSMUSG0 Snrnp200
ENSMUSG0	449.3762	0.116549	0.279846	0.416477	0.677061	0.9408	ENSMUSG0 Lonrf2
ENSMUSG0	13.05487	-0.30429	0.730675	-0.41644	0.677085	0.9408	ENSMUSG0 Gm4814
ENSMUSG0	101.5393	0.083162	0.199752	0.416325	0.677172	0.9408	ENSMUSG0 Fstl3
ENSMUSG0	4.391426	-0.4036	0.969462	-0.41631	0.677182	0.9408	ENSMUSG0 Gm12183
ENSMUSG0	6.128005	0.321918	0.773269	0.416308	0.677185	0.9408	ENSMUSG0 Gabrq
ENSMUSG0	1008.518	-0.08268	0.198679	-0.41612	0.677319	0.940909	ENSMUSG0 Cog3
ENSMUSG0	20075.73	0.084463	0.203003	0.416068	0.677361	0.940909	ENSMUSG0 Bsg
ENSMUSG0	2487.639	-0.08191	0.196935	-0.41593	0.67746	0.940979	ENSMUSG0 Cotl1
ENSMUSG0	146.859	0.111923	0.269143	0.415852	0.677518	0.940992	ENSMUSG0 Trmt13
ENSMUSG0	1130.025	0.063618	0.153037	0.415705	0.677626	0.941074	ENSMUSG0 Usp14
ENSMUSG0	30.79823	0.189956	0.457088	0.415579	0.677718	0.941133	ENSMUSG0 Pcdha3
ENSMUSG0	117.8378	0.084211	0.202697	0.415451	0.677812	0.941196	ENSMUSG0 Zfp58
ENSMUSG0	12435.96	-0.13891	0.334487	-0.41529	0.67793	0.941243	ENSMUSG0 Rpl26
ENSMUSG0	865.6138	0.084396	0.203244	0.415247	0.677961	0.941243	ENSMUSG0 Tlk2
ENSMUSG0	381.4223	-0.05475	0.131851	-0.4152	0.677992	0.941243	ENSMUSG0 Gtf2e1
ENSMUSG0	21.69898	-0.20253	0.488239	-0.41483	0.67827	0.94155	ENSMUSG0 Fsbp
ENSMUSG0	275.6038	-0.09308	0.224418	-0.41477	0.678311	0.94155	ENSMUSG0 Smim12
ENSMUSG0	989.7292	0.08931	0.215377	0.414666	0.678386	0.941573	ENSMUSG0 Snx30
ENSMUSG0	28.90677	0.297095	0.716561	0.414612	0.678426	0.941573	ENSMUSG0 B3galt1
ENSMUSG0	1438.034	0.092287	0.222659	0.414478	0.678524	0.941623	ENSMUSG0 Wapl
ENSMUSG0	13.10137	0.279826	0.67521	0.414429	0.67856	0.941623	ENSMUSG0 Gm48063
ENSMUSG0	1682.713	0.084661	0.204436	0.414119	0.678787	0.941834	ENSMUSG0 Pbx1
ENSMUSG0	677.2709	-0.07881	0.190327	-0.41409	0.67881	0.941834	ENSMUSG0 Cd276
ENSMUSG0	2567.698	-0.08399	0.202904	-0.41396	0.678906	0.9419	ENSMUSG0 Srpk2
ENSMUSG0	1153.431	-0.07283	0.175963	-0.41387	0.678968	0.941917	ENSMUSG0 Polr2c
ENSMUSG0	39.58076	0.116383	0.281335	0.413679	0.679109	0.942045	ENSMUSG0 Cmya5
ENSMUSG0	27.87784	0.142602	0.344973	0.413372	0.679334	0.942268	ENSMUSG0 Ribc1
ENSMUSG0	601.6167	-0.08983	0.217359	-0.41327	0.679406	0.942268	ENSMUSG0 Stambp
ENSMUSG0	4984.629	-0.11424	0.276438	-0.41326	0.679417	0.942268	ENSMUSG0 Bex3
ENSMUSG0	920.431	-0.05304	0.128418	-0.41305	0.67957	0.942363	ENSMUSG0 Stim2
ENSMUSG0	828.3125	-0.12019	0.290986	-0.41303	0.679583	0.942363	ENSMUSG0 Dgcr6
ENSMUSG0	79.73267	0.147627	0.357638	0.412783	0.679765	0.942469	ENSMUSG0 Gm14261
ENSMUSG0	1775.042	-0.10523	0.25496	-0.41275	0.679791	0.942469	ENSMUSG0 Trmt112
ENSMUSG0	167.8896	0.091503	0.221704	0.412727	0.679807	0.942469	ENSMUSG0 Nhsl2
ENSMUSG0	4267.165	-0.07223	0.175118	-0.41248	0.67999	0.94251	ENSMUSG0 Pkp4
ENSMUSG0	2197.754	-0.12771	0.30962	-0.41248	0.679991	0.94251	ENSMUSG0 Psma6
ENSMUSG0	1372.72	0.084687	0.205315	0.412473	0.679993	0.94251	ENSMUSG0 Abl1
ENSMUSG0	4.805488	-0.55965	1.357293	-0.41232	0.680101	0.94251	ENSMUSG0 Gm43064
ENSMUSG0	1439.057	0.071979	0.174584	0.41229	0.680127	0.94251	ENSMUSG0 Blmh

ENSMUSG0	12287.55	-0.08654	0.209933	-0.41223	0.680168	0.94251	ENSMUSG0	Cyb5r3
ENSMUSG0	317.7881	-0.10396	0.252245	-0.41215	0.680226	0.94251	ENSMUSG0	Zfp87
ENSMUSG0	3.947273	-0.38406	0.931934	-0.41211	0.680257	0.94251	ENSMUSG0	Gm26647
ENSMUSG0	159.0747	-0.10176	0.246939	-0.41208	0.680277	0.94251	ENSMUSG0	Tmem86b
ENSMUSG0	15.47751	-0.27533	0.668499	-0.41187	0.680435	0.942661	ENSMUSG0	Gm47036
ENSMUSG0	14134.14	-0.09623	0.2338	-0.41159	0.680639	0.942746	ENSMUSG0	Rpl18a
ENSMUSG0	352.49	-0.08089	0.19653	-0.41158	0.68065	0.942746	ENSMUSG0	Zdhhc12
ENSMUSG0	584.1221	-0.04879	0.118551	-0.41154	0.680675	0.942746	ENSMUSG0	Mak16
ENSMUSG0	726.9747	-0.13226	0.321393	-0.41152	0.680693	0.942746	ENSMUSG0	Nbeal1
ENSMUSG0	1049.599	-0.10024	0.24367	-0.41139	0.680784	0.942805	ENSMUSG0	Pdzd8
ENSMUSG0	1360.933	0.146858	0.357118	0.411231	0.680903	0.942894	ENSMUSG0	Ctss
ENSMUSG0	511.6706	-0.08416	0.204683	-0.41117	0.680946	0.942894	ENSMUSG0	Slc25a53
ENSMUSG0	273.8174	0.078067	0.189953	0.410981	0.681086	0.942965	ENSMUSG0	Rbak
ENSMUSG0	5.321036	0.338007	0.822477	0.410962	0.6811	0.942965	ENSMUSG0	Amhr2
ENSMUSG0	6808.311	-0.09112	0.221749	-0.4109	0.681144	0.942965	ENSMUSG0	Ptprf
ENSMUSG0	50.80159	0.219558	0.534519	0.410759	0.681249	0.943042	ENSMUSG0	Apobr
ENSMUSG0	12.50028	-0.24029	0.585293	-0.41054	0.681411	0.943198	ENSMUSG0	C130080G1
ENSMUSG0	313.8074	0.109401	0.266555	0.410427	0.681493	0.943243	ENSMUSG0	Acsf2
ENSMUSG0	5.195834	-0.42686	1.04069	-0.41017	0.68168	0.943421	ENSMUSG0	Grm6
ENSMUSG0	5.809939	-0.33267	0.811213	-0.41009	0.681737	0.943421	ENSMUSG0	Dnaaf1
ENSMUSG0	124.175	-0.0893	0.217766	-0.41005	0.681768	0.943421	ENSMUSG0	Gm49797
ENSMUSG0	5498.18	-0.08045	0.196233	-0.40996	0.681835	0.943441	ENSMUSG0	Arf3
ENSMUSG0	1807.643	-0.07191	0.175437	-0.40989	0.681884	0.943441	ENSMUSG0	Api5
ENSMUSG0	313.5519	-0.06549	0.159842	-0.4097	0.682029	0.943441	ENSMUSG0	Cdca4
ENSMUSG0	68.90265	0.202599	0.494528	0.409682	0.682039	0.943441	ENSMUSG0	Kcnj8
ENSMUSG0	960.4166	0.083814	0.204607	0.409635	0.682074	0.943441	ENSMUSG0	Ubxn7
ENSMUSG0	7635.609	-0.08461	0.206549	-0.40963	0.682079	0.943441	ENSMUSG0	Snd1
ENSMUSG0	123.5095	0.102777	0.250984	0.409497	0.682175	0.943441	ENSMUSG0	Jpx
ENSMUSG0	98.13549	-0.08941	0.218359	-0.40946	0.682202	0.943441	ENSMUSG0	Nat2
ENSMUSG0	4.355278	0.331751	0.810275	0.409429	0.682224	0.943441	ENSMUSG0	Ctnna3
ENSMUSG0	10.32431	0.232841	0.569205	0.409064	0.682493	0.943643	ENSMUSG0	Gm37985
ENSMUSG0	2025.266	-0.0427	0.10441	-0.40897	0.682564	0.943643	ENSMUSG0	Samm50
ENSMUSG0	1517.832	-0.07775	0.190123	-0.40892	0.682597	0.943643	ENSMUSG0	Camta2
ENSMUSG0	8.152438	-0.28686	0.701604	-0.40887	0.682636	0.943643	ENSMUSG0	Gucy2e
ENSMUSG0	308.6647	0.100031	0.244766	0.408681	0.682774	0.943643	ENSMUSG0	Plekhh2
ENSMUSG0	648.9384	0.069919	0.171096	0.408653	0.682795	0.943643	ENSMUSG0	Mras
ENSMUSG0	1034.347	0.114503	0.28021	0.408632	0.68281	0.943643	ENSMUSG0	Usp24
ENSMUSG0	554.6882	0.080483	0.196963	0.408619	0.68282	0.943643	ENSMUSG0	Cul2
ENSMUSG0	21.5579	-0.27737	0.678883	-0.40857	0.682852	0.943643	ENSMUSG0	Naip6
ENSMUSG0	498.3496	-0.07195	0.176114	-0.40856	0.682861	0.943643	ENSMUSG0	Slc35e2
ENSMUSG0	848.4064	0.091268	0.223439	0.40847	0.682929	0.943669	ENSMUSG0	Lratd2
ENSMUSG0	710.0455	0.066732	0.163439	0.408302	0.683052	0.943756	ENSMUSG0	Zfp410
ENSMUSG0	93.83195	-0.17714	0.433956	-0.4082	0.683128	0.943756	ENSMUSG0	Stc1
ENSMUSG0	4800.412	-0.07535	0.184603	-0.40815	0.683165	0.943756	ENSMUSG0	Nbr1
ENSMUSG0	2851.116	0.131286	0.321686	0.408117	0.683188	0.943756	ENSMUSG0	Shisa5
ENSMUSG0	533.7114	0.094135	0.230787	0.407889	0.683355	0.943881	ENSMUSG0	Ssbp2
ENSMUSG0	16.72357	0.174364	0.427576	0.407795	0.683424	0.943881	ENSMUSG0	Zmynd12
ENSMUSG0	774.0294	0.102415	0.251211	0.407685	0.683505	0.943881	ENSMUSG0	Zdhhc17
ENSMUSG0	65.57455	0.229147	0.562117	0.40765	0.683531	0.943881	ENSMUSG0	Cracr2a
ENSMUSG0	20.26653	0.222871	0.546765	0.407617	0.683555	0.943881	ENSMUSG0	Tmem181c
ENSMUSG0	2168.722	-0.07592	0.186276	-0.40757	0.683586	0.943881	ENSMUSG0	Rnf181
ENSMUSG0	240.0229	0.069406	0.170337	0.407465	0.683666	0.943881	ENSMUSG0	Gm17491

ENSMUSG0	683.8677	0.0636	0.156173	0.407239	0.683832	0.943881	ENSMUSG0 Slc31a2
ENSMUSG0	348.7239	-0.08244	0.202447	-0.4072	0.683858	0.943881	ENSMUSG0 lsg20l2
ENSMUSG0	101.2711	-0.19917	0.489275	-0.40707	0.683954	0.943881	ENSMUSG0 Prr15
ENSMUSG0	1649.918	0.080535	0.197846	0.407057	0.683966	0.943881	ENSMUSG0 Sri
ENSMUSG0	10.88089	-0.24117	0.592491	-0.40704	0.683977	0.943881	ENSMUSG0 Asb15
ENSMUSG0	27.13223	-0.12534	0.308006	-0.40694	0.684055	0.943881	ENSMUSG0 Gm17354
ENSMUSG0	1262.934	0.115081	0.282861	0.406846	0.684121	0.943881	ENSMUSG0 Ralgapa1
ENSMUSG0	1335.779	-0.07551	0.185621	-0.40679	0.684159	0.943881	ENSMUSG0 Cacybp
ENSMUSG0	3.825317	0.429218	1.055145	0.406785	0.684166	0.943881	ENSMUSG0 Gm25939
ENSMUSG0	1005.753	0.052816	0.129852	0.40674	0.684199	0.943881	ENSMUSG0 Tmem161a
ENSMUSG0	1166.871	-0.09846	0.242076	-0.40674	0.684201	0.943881	ENSMUSG0 9930021J03
ENSMUSG0	36.63949	0.21884	0.538227	0.406595	0.684306	0.943881	ENSMUSG0 Chst9
ENSMUSG0	67.11803	0.146677	0.36081	0.406521	0.68436	0.943881	ENSMUSG0 Zcwpw1
ENSMUSG0	1041.822	0.126332	0.31085	0.406408	0.684443	0.943881	ENSMUSG0 Esf1
ENSMUSG0	1863.396	-0.13051	0.321129	-0.40641	0.684444	0.943881	ENSMUSG0 Dpm3
ENSMUSG0	158.2148	-0.07676	0.188965	-0.40623	0.684577	0.943881	ENSMUSG0 Zfp472
ENSMUSG0	1070.137	0.062172	0.153076	0.406154	0.68463	0.943881	ENSMUSG0 Tia1
ENSMUSG0	218.8193	-0.11369	0.279934	-0.40614	0.684641	0.943881	ENSMUSG0 AW554918
ENSMUSG0	6308.773	0.100905	0.248454	0.406133	0.684645	0.943881	ENSMUSG0 Krt18
ENSMUSG0	11295.8	-0.09728	0.239546	-0.40612	0.684653	0.943881	ENSMUSG0 Btg2
ENSMUSG0	119.6046	0.078235	0.192652	0.406095	0.684672	0.943881	ENSMUSG0 Zfp449
ENSMUSG0	11.72884	0.372164	0.916738	0.405965	0.684768	0.943881	ENSMUSG0 Gm14686
ENSMUSG0	274.6786	-0.12398	0.305442	-0.40591	0.684809	0.943881	ENSMUSG0 Sp2
ENSMUSG0	227.7013	0.14599	0.359777	0.405779	0.684905	0.943881	ENSMUSG0 2810001G2
ENSMUSG0	209.076	0.084974	0.209416	0.405768	0.684913	0.943881	ENSMUSG0 Tatdn3
ENSMUSG0	12.79971	0.245605	0.605332	0.405735	0.684937	0.943881	ENSMUSG0 Gm46560
ENSMUSG0	286.2091	0.082584	0.203548	0.405722	0.684947	0.943881	ENSMUSG0 Plekhh1
ENSMUSG0	2287.842	-0.06272	0.154693	-0.40542	0.685172	0.944062	ENSMUSG0 Tmx1
ENSMUSG0	396.1488	-0.11847	0.292211	-0.40541	0.685176	0.944062	ENSMUSG0 Atr
ENSMUSG0	9.922788	-0.40952	1.010726	-0.40517	0.685353	0.944237	ENSMUSG0 Igkv8-21
ENSMUSG0	444.754	0.127325	0.314403	0.404973	0.685497	0.944324	ENSMUSG0 Zfp397
ENSMUSG0	2109.758	0.07029	0.173578	0.404951	0.685514	0.944324	ENSMUSG0 Klhdc10
ENSMUSG0	744.7124	0.086593	0.213897	0.404834	0.685599	0.944354	ENSMUSG0 Mtrex
ENSMUSG0	242.8145	0.089808	0.221865	0.404788	0.685634	0.944354	ENSMUSG0 Nsdhl
ENSMUSG0	5460.518	-0.05846	0.144451	-0.40472	0.685684	0.944356	ENSMUSG0 Dcaf7
ENSMUSG0	5.563963	0.326361	0.807169	0.404328	0.685971	0.944665	ENSMUSG0 D930015M1
ENSMUSG0	1758.647	-0.0942	0.23303	-0.40425	0.686027	0.944665	ENSMUSG0 Nxf1
ENSMUSG0	1332.703	-0.05777	0.14295	-0.40412	0.686122	0.944665	ENSMUSG0 Cd82
ENSMUSG0	29.02865	-0.14953	0.370072	-0.40404	0.68618	0.944665	ENSMUSG0 1700001G1
ENSMUSG0	1280.584	0.064711	0.16017	0.404016	0.686201	0.944665	ENSMUSG0 Prkag1
ENSMUSG0	1363.827	0.110469	0.273514	0.403889	0.686294	0.944665	ENSMUSG0 Prox1
ENSMUSG0	25.94429	-0.12764	0.316097	-0.40379	0.68637	0.944665	ENSMUSG0 Phtf1os
ENSMUSG0	2897.439	0.050596	0.125304	0.403782	0.686373	0.944665	ENSMUSG0 Actr1b
ENSMUSG0	378.0003	-0.10203	0.252767	-0.40367	0.686456	0.944665	ENSMUSG0 Ulk3
ENSMUSG0	779.1326	0.08692	0.215336	0.40365	0.68647	0.944665	ENSMUSG0 Kbtbd2
ENSMUSG0	1557.988	0.107376	0.266046	0.403597	0.686509	0.944665	ENSMUSG0 Trim41
ENSMUSG0	16.97102	0.190157	0.471169	0.403586	0.686517	0.944665	ENSMUSG0 Gm45428
ENSMUSG0	31.58173	0.248347	0.615414	0.403545	0.686547	0.944665	ENSMUSG0 Gm47652
ENSMUSG0	3.107688	-0.44473	1.10243	-0.40341	0.686649	0.944738	ENSMUSG0 Gm5380
ENSMUSG0	303.21	0.126575	0.313855	0.403292	0.686733	0.944786	ENSMUSG0 Atp8a2
ENSMUSG0	294.6934	0.133512	0.331289	0.403009	0.686941	0.945005	ENSMUSG0 Wfdc16
ENSMUSG0	1084.38	-0.09266	0.230047	-0.40277	0.687114	0.945107	ENSMUSG0 Slc6a8

ENSMUSG0	5.478095	-0.31474	0.781436	-0.40277	0.687114	0.945107	ENSMUSG0	Gm36634
ENSMUSG0	253.3079	0.097795	0.242889	0.402633	0.687218	0.945131	ENSMUSG0	Ramp3
ENSMUSG0	91.53694	0.169495	0.420982	0.402618	0.68723	0.945131	ENSMUSG0	Cacna2d2
ENSMUSG0	550.7303	-0.09563	0.237612	-0.40247	0.687339	0.945154	ENSMUSG0	Bend7
ENSMUSG0	7.387112	0.279771	0.695226	0.402418	0.687377	0.945154	ENSMUSG0	6430511E1
ENSMUSG0	811.8737	0.09855	0.244918	0.402377	0.687406	0.945154	ENSMUSG0	Trappc8
ENSMUSG0	680.3838	-0.05585	0.138829	-0.40233	0.687443	0.945154	ENSMUSG0	Ppp2r3d
ENSMUSG0	857.8213	0.080866	0.201116	0.402085	0.687621	0.945332	ENSMUSG0	Frs2
ENSMUSG0	1242.333	-0.09832	0.24473	-0.40174	0.687874	0.945516	ENSMUSG0	Sp3
ENSMUSG0	1378.295	0.054361	0.135319	0.401724	0.687887	0.945516	ENSMUSG0	Agtrap
ENSMUSG0	18.7747	0.25557	0.63634	0.401625	0.68796	0.945516	ENSMUSG0	F830115B0
ENSMUSG0	609.3917	0.088993	0.221607	0.401582	0.687992	0.945516	ENSMUSG0	Oat
ENSMUSG0	10.20795	0.255893	0.637232	0.40157	0.688001	0.945516	ENSMUSG0	Gm37385
ENSMUSG0	21498.84	-0.10789	0.268729	-0.40149	0.688057	0.945525	ENSMUSG0	Hsp90aa1
ENSMUSG0	601.4351	0.078918	0.19666	0.401289	0.688207	0.945618	ENSMUSG0	Ercc5
ENSMUSG0	3.147236	0.405253	1.010103	0.4012	0.688273	0.945618	ENSMUSG0	6820402A0
ENSMUSG0	994.5763	-0.0685	0.170739	-0.40118	0.688286	0.945618	ENSMUSG0	Extl2
ENSMUSG0	1632.502	0.102899	0.256561	0.40107	0.688368	0.945618	ENSMUSG0	Spag9
ENSMUSG0	7.106998	0.427943	1.067009	0.401068	0.68837	0.945618	ENSMUSG0	Twist1
ENSMUSG0	4.530205	0.388786	0.969635	0.400961	0.688449	0.945649	ENSMUSG0	1600010M0
ENSMUSG0	1533.065	-0.06983	0.174182	-0.4009	0.688491	0.945649	ENSMUSG0	Pcf11
ENSMUSG0	1515.49	-0.07043	0.17578	-0.4007	0.688644	0.945715	ENSMUSG0	Tor1aip1
ENSMUSG0	1252.826	0.091902	0.22945	0.400531	0.688766	0.945715	ENSMUSG0	Upf2
ENSMUSG0	2738.595	-0.08055	0.201141	-0.40048	0.688802	0.945715	ENSMUSG0	Psmc8
ENSMUSG0	3.2127	-0.38553	0.962803	-0.40043	0.688842	0.945715	ENSMUSG0	Gm26631
ENSMUSG0	670.1118	-0.07677	0.191757	-0.40037	0.688884	0.945715	ENSMUSG0	Ddx19b
ENSMUSG0	447.0285	0.108388	0.270744	0.400335	0.688909	0.945715	ENSMUSG0	Nup107
ENSMUSG0	1456.242	0.121033	0.302358	0.400298	0.688937	0.945715	ENSMUSG0	Syne1
ENSMUSG0	226.5484	-1.15517	2.886086	-0.40025	0.68897	0.945715	ENSMUSG0	Gm9843
ENSMUSG0	12.00192	-0.26437	0.660539	-0.40024	0.688982	0.945715	ENSMUSG0	Gm37415
ENSMUSG0	19.01392	0.197471	0.493693	0.399988	0.689165	0.945778	ENSMUSG0	Gm44210
ENSMUSG0	203.0286	-0.08245	0.206159	-0.39995	0.689195	0.945778	ENSMUSG0	Particl
ENSMUSG0	3.016159	0.447372	1.118847	0.399851	0.689266	0.945778	ENSMUSG0	Trbv26
ENSMUSG0	1083.111	-0.12487	0.312359	-0.39978	0.68932	0.945778	ENSMUSG0	Nme3
ENSMUSG0	3913.769	-0.0865	0.216412	-0.39972	0.689363	0.945778	ENSMUSG0	Srsf11
ENSMUSG0	105.6005	0.152043	0.380407	0.399686	0.689388	0.945778	ENSMUSG0	Nupr1l
ENSMUSG0	384.3486	-0.0795	0.198919	-0.39966	0.689406	0.945778	ENSMUSG0	Dph7
ENSMUSG0	765.4046	0.070081	0.175393	0.399567	0.689475	0.945778	ENSMUSG0	Dip2c
ENSMUSG0	445.7994	-0.08167	0.204394	-0.39956	0.689484	0.945778	ENSMUSG0	Plagl2
ENSMUSG0	1440.151	0.079434	0.198849	0.399466	0.68955	0.945778	ENSMUSG0	Rgmb
ENSMUSG0	174.6949	-0.07165	0.179432	-0.39933	0.689651	0.945778	ENSMUSG0	Angpt2
ENSMUSG0	3.438468	-0.54421	1.362881	-0.39931	0.689668	0.945778	ENSMUSG0	Igkv4-63
ENSMUSG0	641.1124	0.180797	0.452843	0.399248	0.689711	0.945778	ENSMUSG0	Gm42047
ENSMUSG0	12362.8	-0.09396	0.235335	-0.39924	0.689716	0.945778	ENSMUSG0	Slc25a3
ENSMUSG0	1367.727	-0.07022	0.175986	-0.39901	0.689887	0.945945	ENSMUSG0	Dpysl2
ENSMUSG0	525.3347	-0.11335	0.28423	-0.39881	0.690036	0.946066	ENSMUSG0	Fgd6
ENSMUSG0	614.6723	-0.08629	0.216391	-0.39876	0.690073	0.946066	ENSMUSG0	Gnpnat1
ENSMUSG0	2516.673	-0.08043	0.201801	-0.39857	0.690213	0.946184	ENSMUSG0	Pdhhb
ENSMUSG0	624.9685	0.087541	0.219672	0.398505	0.690258	0.946184	ENSMUSG0	Eml4
ENSMUSG0	1479.913	-0.1042	0.261666	-0.39823	0.690457	0.946316	ENSMUSG0	Sidt2
ENSMUSG0	3123.308	-0.09198	0.231029	-0.39814	0.690529	0.946316	ENSMUSG0	Etfb
ENSMUSG0	25.12129	0.183921	0.462183	0.39794	0.690675	0.946316	ENSMUSG0	Lrrc38

ENSMUSG0	561.6803	-0.06657	0.167325	-0.39783	0.690758	0.946316	ENSMUSG0 Zfp11
ENSMUSG0	396.1288	-0.07991	0.200863	-0.39782	0.690759	0.946316	ENSMUSG0 Wrap73
ENSMUSG0	29.36016	0.141921	0.356883	0.397668	0.690875	0.946316	ENSMUSG0 Arhgef33
ENSMUSG0	2720.069	-0.05736	0.144233	-0.39766	0.690883	0.946316	ENSMUSG0 Ctsa
ENSMUSG0	664.27	-0.06233	0.156751	-0.39765	0.69089	0.946316	ENSMUSG0 Gpam
ENSMUSG0	8.349104	-0.2945	0.740624	-0.39763	0.6909	0.946316	ENSMUSG0 Gm43625
ENSMUSG0	372.0872	-0.10302	0.259087	-0.39763	0.690901	0.946316	ENSMUSG0 Tjap1
ENSMUSG0	307.6486	-0.09875	0.248343	-0.39763	0.690902	0.946316	ENSMUSG0 Wdr25
ENSMUSG0	570.2157	0.056744	0.142732	0.397556	0.690958	0.946316	ENSMUSG0 Letmd1
ENSMUSG0	56.78001	-0.1423	0.35803	-0.39745	0.691036	0.946316	ENSMUSG0 Gm49041
ENSMUSG0	652.2519	0.060544	0.152336	0.397441	0.691043	0.946316	ENSMUSG0 Rnf139
ENSMUSG0	117.6375	0.218503	0.549974	0.397297	0.691148	0.946393	ENSMUSG0 AB124611
ENSMUSG0	648.8692	0.058582	0.147491	0.397189	0.691228	0.946435	ENSMUSG0 Adsl
ENSMUSG0	585.4355	0.063457	0.159845	0.396993	0.691372	0.946526	ENSMUSG0 Dner
ENSMUSG0	613.2895	0.053818	0.135574	0.396965	0.691393	0.946526	ENSMUSG0 Tanc1
ENSMUSG0	639.6062	0.090895	0.229083	0.396779	0.69153	0.946594	ENSMUSG0 Peli1
ENSMUSG0	261.1896	0.405256	1.021404	0.396764	0.691541	0.946594	ENSMUSG0 Tac1
ENSMUSG0	476.7538	-0.09864	0.248658	-0.39667	0.691609	0.94662	ENSMUSG0 Hmgxb4
ENSMUSG0	21.10482	0.210693	0.531345	0.396528	0.691715	0.94664	ENSMUSG0 Cdc25c
ENSMUSG0	8.627532	-0.21082	0.531726	-0.39648	0.691754	0.94664	ENSMUSG0 Gm7285
ENSMUSG0	1625.948	-0.06908	0.174271	-0.3964	0.691811	0.94664	ENSMUSG0 Erap1
ENSMUSG0	3.497063	-0.39161	0.988114	-0.39632	0.69187	0.94664	ENSMUSG0 Gm10801
ENSMUSG0	1251.284	-0.04767	0.120289	-0.39632	0.69187	0.94664	ENSMUSG0 Med22
ENSMUSG0	859.4646	-0.05696	0.143745	-0.39625	0.691922	0.946644	ENSMUSG0 Uap1
ENSMUSG0	21.00635	0.194804	0.491824	0.396084	0.692043	0.946644	ENSMUSG0 Gm14584
ENSMUSG0	217.712	-0.077	0.1944	-0.39607	0.692055	0.946644	ENSMUSG0 Mterf4
ENSMUSG0	274.079	-0.07834	0.197836	-0.39597	0.69213	0.946644	ENSMUSG0 Tbc1d12
ENSMUSG0	2060.724	0.085084	0.21488	0.395962	0.692133	0.946644	ENSMUSG0 Mtss1
ENSMUSG0	8.054735	0.207688	0.524578	0.395914	0.692168	0.946644	ENSMUSG0 Cep112it
ENSMUSG0	682.3601	0.052416	0.132451	0.395736	0.6923	0.946716	ENSMUSG0 Tubgcp2
ENSMUSG0	30.5543	0.153348	0.387527	0.395709	0.692319	0.946716	ENSMUSG0 Kcnj2
ENSMUSG0	77.10793	-0.11361	0.28717	-0.39562	0.692384	0.946737	ENSMUSG0 Pidd1
ENSMUSG0	901.0084	-0.11028	0.278809	-0.39554	0.692442	0.94675	ENSMUSG0 Nbdy
ENSMUSG0	5.777089	0.303445	0.767325	0.395459	0.692505	0.946767	ENSMUSG0 E33001102
ENSMUSG0	40.58434	0.135424	0.34264	0.395238	0.692667	0.946866	ENSMUSG0 Gm43668
ENSMUSG0	14.73127	0.242445	0.613737	0.39503	0.692821	0.946866	ENSMUSG0 Gm16401
ENSMUSG0	22.95435	0.133022	0.336903	0.394839	0.692962	0.946866	ENSMUSG0 Ankmy1
ENSMUSG0	7274.915	-0.14039	0.355588	-0.39481	0.692984	0.946866	ENSMUSG0 Rps15a
ENSMUSG0	870.3928	-0.06711	0.170002	-0.39476	0.693019	0.946866	ENSMUSG0 Cnot11
ENSMUSG0	5.054152	-0.29175	0.739059	-0.39475	0.693025	0.946866	ENSMUSG0 Gm44066
ENSMUSG0	324.5069	0.113028	0.286369	0.394693	0.693069	0.946866	ENSMUSG0 Mlph
ENSMUSG0	466.6324	-0.13987	0.354413	-0.39466	0.693091	0.946866	ENSMUSG0 Malsu1
ENSMUSG0	489.5574	-0.0659	0.167017	-0.39457	0.693161	0.946866	ENSMUSG0 Msl3
ENSMUSG0	5438.283	-0.05393	0.1367	-0.39449	0.693218	0.946866	ENSMUSG0 Ppp2r1a
ENSMUSG0	3.277257	0.450096	1.140962	0.394488	0.69322	0.946866	ENSMUSG0 Gm7854
ENSMUSG0	66.10671	0.42489	1.077469	0.394341	0.69333	0.946866	ENSMUSG0 Aoc1
ENSMUSG0	260.4035	-0.08892	0.225524	-0.39429	0.693366	0.946866	ENSMUSG0 Haus7
ENSMUSG0	485.1967	-0.07346	0.186332	-0.39423	0.693415	0.946866	ENSMUSG0 Tigar
ENSMUSG0	85.97537	0.12032	0.30522	0.394209	0.693427	0.946866	ENSMUSG0 Tirap
ENSMUSG0	6.26863	-0.48278	1.224945	-0.39412	0.69349	0.946866	ENSMUSG0 Tnfaip6
ENSMUSG0	292.6629	0.072175	0.183133	0.39411	0.6935	0.946866	ENSMUSG0 Ttll1
ENSMUSG0	1529.912	0.085717	0.217496	0.394108	0.693501	0.946866	ENSMUSG0 Etv1

ENSMUSG0	154.7648	0.172514	0.437749	0.394094	0.693512	0.946866	ENSMUSG0	Cacna1h
ENSMUSG0	727.5547	0.079553	0.201964	0.393898	0.693656	0.946968	ENSMUSG0	Crnk1l
ENSMUSG0	364.5062	-0.08547	0.217	-0.39386	0.693685	0.946968	ENSMUSG0	Taf12
ENSMUSG0	692.9556	0.087674	0.222728	0.393636	0.69385	0.947126	ENSMUSG0	Sccpdh
ENSMUSG0	22252.98	-0.06311	0.160426	-0.39339	0.694029	0.947267	ENSMUSG0	Atp1a1
ENSMUSG0	1518.613	-0.12778	0.324852	-0.39334	0.694068	0.947267	ENSMUSG0	Zfp871
ENSMUSG0	3.916901	0.57043	1.450506	0.393262	0.694126	0.947267	ENSMUSG0	Gm29695
ENSMUSG0	1691.566	0.083987	0.213583	0.393229	0.69415	0.947267	ENSMUSG0	Tmx2
ENSMUSG0	2369.515	0.118092	0.300384	0.393138	0.694218	0.947292	ENSMUSG0	Tmsb10
ENSMUSG0	194.443	0.094893	0.24143	0.393048	0.694284	0.947315	ENSMUSG0	Nudt10
ENSMUSG0	1873.181	-0.0965	0.245603	-0.39292	0.694375	0.947317	ENSMUSG0	Ubr2
ENSMUSG0	3.114333	-0.44936	1.143675	-0.39291	0.694388	0.947317	ENSMUSG0	Rpl13-ps1
ENSMUSG0	75.42255	0.13785	0.35094	0.392803	0.694465	0.947317	ENSMUSG0	Fas
ENSMUSG0	34.38466	-0.10294	0.26212	-0.39271	0.694532	0.947317	ENSMUSG0	Gm19196
ENSMUSG0	883.1803	-0.07522	0.191658	-0.39245	0.694727	0.947443	ENSMUSG0	2010300C0
ENSMUSG0	1543.956	-0.05181	0.132036	-0.3924	0.69476	0.947443	ENSMUSG0	Micu2
ENSMUSG0	4.69002	-0.29284	0.7463	-0.39239	0.694772	0.947443	ENSMUSG0	Scd4
ENSMUSG0	163.5398	0.086529	0.220578	0.392284	0.694849	0.94748	ENSMUSG0	Polr1e
ENSMUSG0	615.5955	-0.06834	0.174261	-0.39216	0.694936	0.947526	ENSMUSG0	Mrpl50
ENSMUSG0	343.4014	0.093345	0.238076	0.392078	0.695	0.947526	ENSMUSG0	Dnah9
ENSMUSG0	73.07872	-0.15881	0.405112	-0.39201	0.695054	0.947526	ENSMUSG0	Gm3435
ENSMUSG0	197.691	0.245637	0.626698	0.391954	0.695092	0.947526	ENSMUSG0	Bcl2a1b
ENSMUSG0	71.25446	-0.10211	0.26056	-0.39188	0.695147	0.947526	ENSMUSG0	Gm10644
ENSMUSG0	340.8226	-0.07274	0.185645	-0.39184	0.695178	0.947526	ENSMUSG0	Mrps10
ENSMUSG0	231.8011	-0.0801	0.204498	-0.39167	0.695303	0.94763	ENSMUSG0	Bco1
ENSMUSG0	859.273	0.2147	0.548268	0.391597	0.695356	0.947635	ENSMUSG0	Cd52
ENSMUSG0	1094.662	0.091861	0.234709	0.391381	0.695515	0.947732	ENSMUSG0	Ubr1
ENSMUSG0	760.407	-0.05434	0.138836	-0.39137	0.695526	0.947732	ENSMUSG0	Vps72
ENSMUSG0	6.760885	0.276222	0.706307	0.391079	0.695739	0.947955	ENSMUSG0	Gm42546
ENSMUSG0	1037.372	-0.15226	0.389432	-0.39098	0.695813	0.947982	ENSMUSG0	Sgk1
ENSMUSG0	673.8601	-0.09254	0.236715	-0.39092	0.695857	0.947982	ENSMUSG0	Rnf34
ENSMUSG0	97.91354	0.11929	0.305313	0.390715	0.696008	0.948064	ENSMUSG0	Gm3636
ENSMUSG0	388.8493	0.072804	0.186365	0.390652	0.696055	0.948064	ENSMUSG0	St3gal2
ENSMUSG0	992.5564	-0.09494	0.243028	-0.39064	0.696065	0.948064	ENSMUSG0	Cyp51
ENSMUSG0	77.36896	-0.11027	0.282502	-0.39033	0.696291	0.948164	ENSMUSG0	Adat1
ENSMUSG0	712.1829	-0.07284	0.186641	-0.39028	0.696328	0.948164	ENSMUSG0	Vta1
ENSMUSG0	90.91797	-0.11366	0.291257	-0.39023	0.69637	0.948164	ENSMUSG0	1700001L0
ENSMUSG0	1046.753	0.049524	0.126966	0.390059	0.696493	0.948164	ENSMUSG0	Ash2l
ENSMUSG0	411.8417	-0.10609	0.272049	-0.38997	0.696557	0.948164	ENSMUSG0	3110040N1
ENSMUSG0	971.2557	-0.08218	0.210724	-0.38997	0.69656	0.948164	ENSMUSG0	2310011J0
ENSMUSG0	1318.017	-0.09199	0.235881	-0.38997	0.696562	0.948164	ENSMUSG0	Sppl2a
ENSMUSG0	1970.514	0.058692	0.150677	0.389522	0.69689	0.948164	ENSMUSG0	Nfkb1
ENSMUSG0	7.901705	-0.29303	0.752299	-0.38952	0.696893	0.948164	ENSMUSG0	Stkld1
ENSMUSG0	260.5306	0.070244	0.180339	0.389512	0.696897	0.948164	ENSMUSG0	Cpsf4
ENSMUSG0	747.8918	-0.08469	0.217455	-0.38947	0.696929	0.948164	ENSMUSG0	Fam133b
ENSMUSG0	5854.685	-0.06911	0.177505	-0.38935	0.697015	0.948164	ENSMUSG0	Tapbp
ENSMUSG0	1757.296	-0.15189	0.390141	-0.38931	0.697046	0.948164	ENSMUSG0	Rbm8a
ENSMUSG0	19684.29	-0.09761	0.250808	-0.3892	0.69713	0.948164	ENSMUSG0	Rpl13
ENSMUSG0	77.14922	0.175323	0.450572	0.389113	0.697193	0.948164	ENSMUSG0	Metrn1
ENSMUSG0	49.15343	0.092287	0.237202	0.389066	0.697227	0.948164	ENSMUSG0	Crhr2
ENSMUSG0	264.4833	0.071893	0.184833	0.388961	0.697305	0.948164	ENSMUSG0	Elp6
ENSMUSG0	391.2514	-0.06926	0.178082	-0.38892	0.697336	0.948164	ENSMUSG0	Ndst2

ENSMUSG0	7347.557	-0.11578	0.297752	-0.38886	0.697382	0.948164	ENSMUSG0 Dynll2
ENSMUSG0	1438.648	-0.08074	0.207648	-0.38883	0.697403	0.948164	ENSMUSG0 Tbc1d10b
ENSMUSG0	2422.788	-0.061	0.156918	-0.38876	0.697455	0.948164	ENSMUSG0 Snrpb
ENSMUSG0	399.4472	-0.09094	0.23397	-0.3887	0.697498	0.948164	ENSMUSG0 Mphosph10
ENSMUSG0	555.8429	-0.11518	0.296434	-0.38856	0.697598	0.948164	ENSMUSG0 Ccdc107
ENSMUSG0	176.3612	0.067695	0.174227	0.388541	0.697615	0.948164	ENSMUSG0 Fbxo17
ENSMUSG0	434.511	-0.09288	0.239044	-0.38853	0.697624	0.948164	ENSMUSG0 Tom1l1
ENSMUSG0	3.725569	-0.30916	0.795815	-0.38849	0.697656	0.948164	ENSMUSG0 Gm42930
ENSMUSG0	1054.312	0.099152	0.255249	0.388453	0.697681	0.948164	ENSMUSG0 Cep350
ENSMUSG0	18.66179	-0.21722	0.5592	-0.38845	0.697686	0.948164	ENSMUSG0 Gm4951
ENSMUSG0	473.7884	-0.10326	0.265831	-0.38845	0.697687	0.948164	ENSMUSG0 Ppp1r26
ENSMUSG0	1099.245	-0.11113	0.286088	-0.38844	0.697691	0.948164	ENSMUSG0 Kdm7a
ENSMUSG0	1235.564	-0.09972	0.256783	-0.38836	0.697753	0.948164	ENSMUSG0 Crebrf
ENSMUSG0	455.5961	-0.05996	0.154395	-0.38834	0.697767	0.948164	ENSMUSG0 Katnb1
ENSMUSG0	1720.418	-0.10582	0.272571	-0.38824	0.697835	0.948164	ENSMUSG0 Dap3
ENSMUSG0	797.4303	-0.09176	0.236355	-0.38824	0.697835	0.948164	ENSMUSG0 Mdp1
ENSMUSG0	1622.482	-0.0749	0.193131	-0.3878	0.698167	0.948164	ENSMUSG0 Fdft1
ENSMUSG0	194.8272	0.117491	0.302981	0.387784	0.698176	0.948164	ENSMUSG0 Pomc
ENSMUSG0	553.3689	-0.07687	0.19824	-0.38776	0.698193	0.948164	ENSMUSG0 Fam172a
ENSMUSG0	130.8584	-0.11208	0.289054	-0.38776	0.698194	0.948164	ENSMUSG0 Dnph1
ENSMUSG0	38.68803	0.183148	0.47254	0.387581	0.698326	0.948164	ENSMUSG0 Gm3500
ENSMUSG0	8.876798	-0.29753	0.767729	-0.38755	0.698351	0.948164	ENSMUSG0 Capn8
ENSMUSG0	17.69661	0.790241	2.039274	0.387511	0.698378	0.948164	ENSMUSG0 Gm4294
ENSMUSG0	188.6105	0.198289	0.511721	0.387494	0.698391	0.948164	ENSMUSG0 Card11
ENSMUSG0	8.320195	-0.25144	0.648883	-0.38749	0.698391	0.948164	ENSMUSG0 Gm35853
ENSMUSG0	104.3411	-0.13694	0.353435	-0.38746	0.698412	0.948164	ENSMUSG0 2210408F2
ENSMUSG0	5.905805	0.298193	0.769643	0.387443	0.698428	0.948164	ENSMUSG0 Krt77
ENSMUSG0	33.90149	-0.2974	0.767947	-0.38727	0.698556	0.948164	ENSMUSG0 BC035044
ENSMUSG0	1652.131	0.044106	0.113903	0.387223	0.698591	0.948164	ENSMUSG0 Max
ENSMUSG0	3.105058	0.343	0.885796	0.387223	0.698591	0.948164	ENSMUSG0 Gm39822
ENSMUSG0	5383.289	-0.07106	0.183566	-0.38709	0.698691	0.948164	ENSMUSG0 Nckap1
ENSMUSG0	3.62594	-0.60957	1.574966	-0.38704	0.698727	0.948164	ENSMUSG0 Nat8f2
ENSMUSG0	9.898781	0.74692	1.930471	0.386911	0.698822	0.948164	ENSMUSG0 Gm21985
ENSMUSG0	829.5461	0.061671	0.159429	0.386822	0.698888	0.948164	ENSMUSG0 Ankrd27
ENSMUSG0	7385.092	-0.16587	0.428838	-0.38678	0.698916	0.948164	ENSMUSG0 Atp5e
ENSMUSG0	20.95201	-0.14143	0.365664	-0.38676	0.698931	0.948164	ENSMUSG0 A830035O1
ENSMUSG0	53.63601	0.137415	0.355372	0.386679	0.698994	0.948164	ENSMUSG0 Serac1
ENSMUSG0	5.07436	-0.27466	0.710346	-0.38666	0.699011	0.948164	ENSMUSG0 2810457G0
ENSMUSG0	384.4263	0.193382	0.500208	0.386603	0.69905	0.948164	ENSMUSG0 Cfp
ENSMUSG0	272.069	0.071024	0.183732	0.386564	0.699079	0.948164	ENSMUSG0 Kdelr3
ENSMUSG0	2135.43	-0.07932	0.205238	-0.38646	0.699159	0.948164	ENSMUSG0 U2surp
ENSMUSG0	495.4458	-0.11011	0.28493	-0.38643	0.699178	0.948164	ENSMUSG0 Tbc1d24
ENSMUSG0	1440.698	0.120596	0.312109	0.386391	0.699207	0.948164	ENSMUSG0 Trappc4
ENSMUSG0	141.9172	-0.08327	0.21556	-0.38629	0.699282	0.948164	ENSMUSG0 Snrnp35
ENSMUSG0	7.060024	-0.34843	0.902075	-0.38625	0.69931	0.948164	ENSMUSG0 Gm43679
ENSMUSG0	2512.879	-0.08445	0.218677	-0.38617	0.699373	0.948164	ENSMUSG0 B4galt6
ENSMUSG0	307.9096	0.107287	0.277848	0.386136	0.699396	0.948164	ENSMUSG0 Rad50
ENSMUSG0	43.85343	-0.19313	0.500255	-0.38605	0.699457	0.948164	ENSMUSG0 Lonrf3
ENSMUSG0	407.1525	0.099673	0.258241	0.385967	0.699521	0.948164	ENSMUSG0 Rab23
ENSMUSG0	1675.46	-0.09368	0.242726	-0.38594	0.69954	0.948164	ENSMUSG0 Cnih1
ENSMUSG0	33.26582	-0.20367	0.527891	-0.38581	0.699638	0.94823	ENSMUSG0 Arhgef39
ENSMUSG0	2161.934	-0.08047	0.208745	-0.38548	0.699878	0.948342	ENSMUSG0 Nr3c1

ENSMUSG0	165.813	0.08883	0.230455	0.385457	0.699899	0.948342	ENSMUSG0 Gm6548
ENSMUSG0	510.6911	-0.10306	0.267373	-0.38544	0.699913	0.948342	ENSMUSG0 Tmem86a
ENSMUSG0	1407.361	0.083623	0.216998	0.385361	0.69997	0.948342	ENSMUSG0 Dlg1
ENSMUSG0	20.41879	-0.4179	1.084474	-0.38535	0.699981	0.948342	ENSMUSG0 Pkhd11l1
ENSMUSG0	7.183128	-0.29753	0.772332	-0.38524	0.70006	0.948342	ENSMUSG0 Gm50433
ENSMUSG0	2536.083	-0.09255	0.240245	-0.38523	0.700065	0.948342	ENSMUSG0 Rmnd5a
ENSMUSG0	1312.383	-0.07371	0.191394	-0.3851	0.700165	0.948411	ENSMUSG0 Cul1
ENSMUSG0	3.033332	0.426543	1.108038	0.384953	0.700272	0.948432	ENSMUSG0 Clec4b1
ENSMUSG0	1529.059	-0.06699	0.174023	-0.38494	0.700279	0.948432	ENSMUSG0 Gppp1l1
ENSMUSG0	427.1465	-0.1137	0.295848	-0.38431	0.700746	0.948657	ENSMUSG0 Zfp800
ENSMUSG0	3202.623	0.066379	0.172723	0.384309	0.700749	0.948657	ENSMUSG0 Alg2
ENSMUSG0	8.572185	-0.38814	1.010065	-0.38427	0.700775	0.948657	ENSMUSG0 Gm24407
ENSMUSG0	565.5215	0.075731	0.197078	0.38427	0.700778	0.948657	ENSMUSG0 Ap5s1
ENSMUSG0	104.8483	0.144848	0.37704	0.38417	0.700852	0.948657	ENSMUSG0 Hecw2
ENSMUSG0	3.550717	0.437216	1.13815	0.384146	0.70087	0.948657	ENSMUSG0 Serpinb9b
ENSMUSG0	148.7995	-0.08887	0.231378	-0.38407	0.700923	0.948657	ENSMUSG0 Siah1b
ENSMUSG0	4.357057	0.334384	0.870634	0.38407	0.700927	0.948657	ENSMUSG0 Gm13524
ENSMUSG0	3.655559	-0.30538	0.795785	-0.38374	0.701168	0.948657	ENSMUSG0 Gm13029
ENSMUSG0	63.51416	0.129502	0.337614	0.38358	0.70129	0.948657	ENSMUSG0 Ncaph
ENSMUSG0	7.015008	-0.35056	0.913952	-0.38356	0.701304	0.948657	ENSMUSG0 Crip3
ENSMUSG0	755.4165	0.111157	0.28985	0.383498	0.701351	0.948657	ENSMUSG0 Stk35
ENSMUSG0	1162.242	0.10469	0.273022	0.383448	0.701388	0.948657	ENSMUSG0 Tuba1c
ENSMUSG0	2294.895	0.066841	0.174347	0.383379	0.701439	0.948657	ENSMUSG0 Pitpna
ENSMUSG0	78.08526	-0.17475	0.455833	-0.38336	0.70145	0.948657	ENSMUSG0 BC065397
ENSMUSG0	517.0421	0.101543	0.264973	0.383219	0.701557	0.948657	ENSMUSG0 Gclc
ENSMUSG0	275.7055	0.141719	0.369835	0.383196	0.701574	0.948657	ENSMUSG0 Sik2
ENSMUSG0	141.8739	0.165073	0.430784	0.383193	0.701577	0.948657	ENSMUSG0 Gngt2
ENSMUSG0	237.987	-0.09981	0.260537	-0.3831	0.701642	0.948657	ENSMUSG0 Znhit3
ENSMUSG0	4.365416	0.295053	0.770201	0.383085	0.701657	0.948657	ENSMUSG0 Gm48114
ENSMUSG0	100.7333	0.247078	0.644983	0.383078	0.701662	0.948657	ENSMUSG0 Ptpn22
ENSMUSG0	184.2787	0.169095	0.441429	0.383063	0.701673	0.948657	ENSMUSG0 Sulf2
ENSMUSG0	1480.635	-0.09521	0.2486	-0.38298	0.701731	0.948657	ENSMUSG0 Paf1
ENSMUSG0	433.5966	-0.1285	0.335563	-0.38294	0.701761	0.948657	ENSMUSG0 Ppcs
ENSMUSG0	540.7349	0.083908	0.219192	0.382804	0.701865	0.948657	ENSMUSG0 Mrpl15
ENSMUSG0	4259.919	-0.14175	0.37032	-0.38277	0.701893	0.948657	ENSMUSG0 Cox6b1
ENSMUSG0	2302.457	0.054767	0.143088	0.382754	0.701902	0.948657	ENSMUSG0 Plekha2
ENSMUSG0	12.41124	0.264897	0.692109	0.382739	0.701914	0.948657	ENSMUSG0 Far2
ENSMUSG0	24200.62	-0.11754	0.307115	-0.38272	0.701927	0.948657	ENSMUSG0 Resp18
ENSMUSG0	3.488152	0.382527	0.999684	0.382648	0.701981	0.948657	ENSMUSG0 Gm44677
ENSMUSG0	256.1943	0.084186	0.220078	0.382528	0.70207	0.948657	ENSMUSG0 Flt3l
ENSMUSG0	2559.16	-0.09289	0.242877	-0.38245	0.702127	0.948657	ENSMUSG0 Hadhb
ENSMUSG0	123.09	-0.12682	0.331701	-0.38234	0.702206	0.948657	ENSMUSG0 Prdm1
ENSMUSG0	2811.725	0.078454	0.205201	0.38233	0.702217	0.948657	ENSMUSG0 Maob
ENSMUSG0	308.9021	0.068405	0.178925	0.382308	0.702233	0.948657	ENSMUSG0 Dars2
ENSMUSG0	1276.306	0.118907	0.311059	0.382264	0.702265	0.948657	ENSMUSG0 Htt
ENSMUSG0	3361.269	-0.04711	0.123233	-0.38226	0.702271	0.948657	ENSMUSG0 Csnk1g2
ENSMUSG0	1908.777	-0.10369	0.271316	-0.38217	0.702337	0.94868	ENSMUSG0 Vti1b
ENSMUSG0	1785.89	-0.10975	0.287245	-0.38207	0.702407	0.948708	ENSMUSG0 Ythdf3
ENSMUSG0	254.199	-0.10485	0.274504	-0.38194	0.702503	0.948771	ENSMUSG0 Bdh1
ENSMUSG0	236.3255	-0.0685	0.179395	-0.38184	0.702582	0.948811	ENSMUSG0 Scn1b
ENSMUSG0	3448.386	0.08435	0.220949	0.381761	0.702639	0.948821	ENSMUSG0 Trip12
ENSMUSG0	14.76629	-0.18883	0.494901	-0.38155	0.702799	0.948919	ENSMUSG0 Cfap73

ENSMUSG0	998.8081	-0.16746	0.438964	-0.38149	0.702838	0.948919	ENSMUSG0	Snrpe
ENSMUSG0	30.1006	0.119003	0.312023	0.381392	0.702912	0.948919	ENSMUSG0	Zfp456
ENSMUSG0	3.605564	0.407135	1.067669	0.381331	0.702958	0.948919	ENSMUSG0	C130083A1
ENSMUSG0	93.27925	0.148832	0.390414	0.381216	0.703043	0.948957	ENSMUSG0	Tmem254a
ENSMUSG0	2053.098	0.069118	0.181337	0.38116	0.703085	0.948957	ENSMUSG0	Psmd4
ENSMUSG0	580.178	0.082918	0.217594	0.381068	0.703153	0.948982	ENSMUSG0	5730455P1
ENSMUSG0	762.9428	-0.04975	0.130604	-0.38092	0.703262	0.949013	ENSMUSG0	Parg
ENSMUSG0	784.8634	0.065679	0.172428	0.380904	0.703274	0.949013	ENSMUSG0	Pfdn2
ENSMUSG0	161.4245	0.168785	0.443239	0.3808	0.703352	0.949051	ENSMUSG0	Acacb
ENSMUSG0	4.586247	-0.36252	0.952602	-0.38056	0.703531	0.949136	ENSMUSG0	A230107NC
ENSMUSG0	3838.051	-0.13838	0.363711	-0.38048	0.703591	0.949136	ENSMUSG0	Rpl22
ENSMUSG0	1482.096	-0.10787	0.283534	-0.38045	0.703609	0.949136	ENSMUSG0	Rex1bd
ENSMUSG0	905.4941	0.115437	0.303475	0.380383	0.703661	0.949136	ENSMUSG0	Gm42427
ENSMUSG0	172.3467	0.124004	0.325998	0.380383	0.703661	0.949136	ENSMUSG0	Gbp3
ENSMUSG0	900.0662	-0.07678	0.20191	-0.38028	0.703736	0.949167	ENSMUSG0	Gm49336
ENSMUSG0	1408.986	-0.04828	0.126988	-0.38016	0.703828	0.949167	ENSMUSG0	Cnpy3
ENSMUSG0	203.6521	-0.11849	0.311701	-0.38015	0.703832	0.949167	ENSMUSG0	Bcl3
ENSMUSG0	3633.429	0.039341	0.10357	0.379847	0.704059	0.949306	ENSMUSG0	Nono
ENSMUSG0	792.9372	0.083763	0.220567	0.379761	0.704123	0.949306	ENSMUSG0	Dync2li1
ENSMUSG0	2317.733	-0.06722	0.177043	-0.3797	0.70417	0.949306	ENSMUSG0	Ppp3cb
ENSMUSG0	30.17775	-0.12497	0.329159	-0.37966	0.704201	0.949306	ENSMUSG0	Cngb3
ENSMUSG0	410.012	-0.07154	0.188432	-0.37964	0.70421	0.949306	ENSMUSG0	Aen
ENSMUSG0	705.9052	-0.05205	0.137179	-0.37946	0.704349	0.949306	ENSMUSG0	Sms
ENSMUSG0	330.8781	-0.08554	0.225468	-0.37941	0.704385	0.949306	ENSMUSG0	Cep192
ENSMUSG0	9.593251	-1.10085	2.902297	-0.3793	0.704463	0.949306	ENSMUSG0	Gm42417
ENSMUSG0	2198.928	0.102561	0.270412	0.379277	0.704482	0.949306	ENSMUSG0	Chd8
ENSMUSG0	2729.555	-0.08662	0.228399	-0.37926	0.704498	0.949306	ENSMUSG0	Psmb6
ENSMUSG0	422.8917	-0.09138	0.240972	-0.37921	0.704535	0.949306	ENSMUSG0	Spata2
ENSMUSG0	2000.135	-0.09579	0.252607	-0.37919	0.704548	0.949306	ENSMUSG0	Psma1
ENSMUSG0	33.66902	-0.17864	0.471157	-0.37915	0.70458	0.949306	ENSMUSG0	Gm26691
ENSMUSG0	6.216844	-0.3582	0.944961	-0.37906	0.704641	0.949306	ENSMUSG0	Gm43462
ENSMUSG0	540.5474	-0.07236	0.190932	-0.37896	0.704717	0.949306	ENSMUSG0	Ttc13
ENSMUSG0	6.984282	-0.29139	0.769015	-0.37891	0.704754	0.949306	ENSMUSG0	Gm45084
ENSMUSG0	242.2788	-0.0832	0.21961	-0.37885	0.704799	0.949306	ENSMUSG0	Rps19bp1
ENSMUSG0	4.573073	0.328864	0.868256	0.378764	0.704863	0.949306	ENSMUSG0	Gm44678
ENSMUSG0	9.201319	0.330087	0.871672	0.378683	0.704923	0.949306	ENSMUSG0	Mmp13
ENSMUSG0	13.93553	0.295175	0.77953	0.378658	0.704942	0.949306	ENSMUSG0	Gm7435
ENSMUSG0	1096.06	-0.0769	0.203178	-0.37849	0.705065	0.949306	ENSMUSG0	Dcun1d5
ENSMUSG0	422.0325	-0.07065	0.186701	-0.37843	0.705114	0.949306	ENSMUSG0	Wdr20
ENSMUSG0	879.1487	-0.07601	0.200879	-0.37839	0.705139	0.949306	ENSMUSG0	Ipo8
ENSMUSG0	6937.599	-0.10631	0.280957	-0.37837	0.705155	0.949306	ENSMUSG0	Hnrnpa3
ENSMUSG0	193.5654	0.077151	0.203914	0.378352	0.705169	0.949306	ENSMUSG0	Ldlrad3
ENSMUSG0	9.241296	-0.20019	0.529311	-0.3782	0.705279	0.949349	ENSMUSG0	Gm15952
ENSMUSG0	9.046492	-0.23104	0.611078	-0.37809	0.705365	0.949349	ENSMUSG0	Gm44646
ENSMUSG0	5.579194	0.309763	0.819403	0.378036	0.705404	0.949349	ENSMUSG0	Gm6311
ENSMUSG0	1835.253	0.072629	0.192146	0.377989	0.705439	0.949349	ENSMUSG0	Papss1
ENSMUSG0	751.1967	0.086061	0.22771	0.377943	0.705473	0.949349	ENSMUSG0	Pacs1
ENSMUSG0	8.444851	-0.3576	0.946557	-0.3778	0.705583	0.949349	ENSMUSG0	Gm50358
ENSMUSG0	68.63671	0.139144	0.36832	0.377781	0.705593	0.949349	ENSMUSG0	Ppargc1a
ENSMUSG0	818.4382	-0.08792	0.232729	-0.37778	0.705596	0.949349	ENSMUSG0	Gcc1
ENSMUSG0	820.4274	0.077465	0.205108	0.37768	0.705668	0.949359	ENSMUSG0	Nup85
ENSMUSG0	61.65347	-0.13858	0.367063	-0.37755	0.705765	0.949359	ENSMUSG0	Cd302

ENSMUSG0	1348.845	0.08433	0.223378	0.377522	0.705786	0.949359	ENSMUSG0 Dnajb4
ENSMUSG0	481.8627	0.063882	0.169224	0.377502	0.705801	0.949359	ENSMUSG0 Atrip
ENSMUSG0	848.181	0.087205	0.231152	0.377265	0.705976	0.949529	ENSMUSG0 Cplane1
ENSMUSG0	7.275024	-0.35121	0.931259	-0.37713	0.706077	0.949598	ENSMUSG0 Sctr
ENSMUSG0	64.50564	0.248931	0.660808	0.376707	0.706392	0.949902	ENSMUSG0 Zfp966
ENSMUSG0	2995.439	-0.11084	0.294347	-0.37655	0.706505	0.949902	ENSMUSG0 Chmp2a
ENSMUSG0	410.7106	0.146487	0.389061	0.376514	0.706535	0.949902	ENSMUSG0 Top2a
ENSMUSG0	3665.435	-0.07334	0.194833	-0.37645	0.706584	0.949902	ENSMUSG0 Pink1
ENSMUSG0	249.6538	-0.10033	0.266544	-0.37641	0.706613	0.949902	ENSMUSG0 Xpa
ENSMUSG0	715.3932	0.186903	0.496701	0.376288	0.706702	0.949902	ENSMUSG0 H2-Ob
ENSMUSG0	7.859735	0.3693	0.981615	0.376217	0.706756	0.949902	ENSMUSG0 Ighv5-9-1
ENSMUSG0	563.5063	-0.1063	0.282597	-0.37616	0.706795	0.949902	ENSMUSG0 Isoc2a
ENSMUSG0	22.89678	-0.76025	2.021118	-0.37615	0.706802	0.949902	ENSMUSG0 Gm44502
ENSMUSG0	2317.346	-0.11869	0.315629	-0.37604	0.706891	0.949902	ENSMUSG0 Eif6
ENSMUSG0	13149.24	0.097374	0.259015	0.375941	0.706961	0.949902	ENSMUSG0 Rps5
ENSMUSG0	385.8151	-0.09327	0.248133	-0.37588	0.707003	0.949902	ENSMUSG0 Eif2b3
ENSMUSG0	926.7777	-0.05108	0.135959	-0.37569	0.707151	0.949902	ENSMUSG0 Stxbp5
ENSMUSG0	635.5698	0.070946	0.188845	0.375683	0.707153	0.949902	ENSMUSG0 Arhgap17
ENSMUSG0	2824.36	-0.0509	0.135529	-0.3756	0.707218	0.949902	ENSMUSG0 Stat3
ENSMUSG0	5825.45	0.063751	0.169756	0.375544	0.707256	0.949902	ENSMUSG0 Cbx6
ENSMUSG0	2260.63	-0.08507	0.226538	-0.37552	0.707275	0.949902	ENSMUSG0 Ktn1
ENSMUSG0	4114.663	-0.10449	0.27827	-0.37551	0.707284	0.949902	ENSMUSG0 Atp5pb
ENSMUSG0	426.6354	-0.08457	0.225242	-0.37546	0.707316	0.949902	ENSMUSG0 Lage3
ENSMUSG0	894.356	0.057636	0.153518	0.375435	0.707337	0.949902	ENSMUSG0 Gle1
ENSMUSG0	902.7931	-0.12429	0.331217	-0.37525	0.707474	0.949902	ENSMUSG0 Elp5
ENSMUSG0	307.5857	0.055007	0.146589	0.375246	0.707477	0.949902	ENSMUSG0 Gm21926
ENSMUSG0	759.8944	-0.08079	0.215413	-0.37504	0.707627	0.949902	ENSMUSG0 Zfp787
ENSMUSG0	7.479375	-0.21729	0.579415	-0.37502	0.707646	0.949902	ENSMUSG0 Gm34248
ENSMUSG0	6.785511	-0.27163	0.7244	-0.37498	0.707678	0.949902	ENSMUSG0 Gm9974
ENSMUSG0	3.49821	-0.34667	0.924518	-0.37497	0.707683	0.949902	ENSMUSG0 Gm37158
ENSMUSG0	14292.99	0.16328	0.435476	0.374946	0.707701	0.949902	ENSMUSG0 Tmsb4x
ENSMUSG0	389.8741	-0.0822	0.219245	-0.37491	0.707726	0.949902	ENSMUSG0 Pard6a
ENSMUSG0	494.6624	0.065785	0.175474	0.374899	0.707735	0.949902	ENSMUSG0 Hsdl2
ENSMUSG0	58.70244	-0.11171	0.298042	-0.3748	0.707809	0.949934	ENSMUSG0 Mlkl
ENSMUSG0	1163.793	0.062246	0.166126	0.37469	0.707891	0.949978	ENSMUSG0 Mbd1
ENSMUSG0	3.814905	-0.42345	1.130626	-0.37452	0.708014	0.950044	ENSMUSG0 Htr7
ENSMUSG0	3618.043	0.108509	0.28975	0.374492	0.708038	0.950044	ENSMUSG0 Fis1
ENSMUSG0	518.0636	0.101514	0.27125	0.374244	0.708223	0.950079	ENSMUSG0 Rapgef2
ENSMUSG0	4.961883	0.351057	0.938179	0.37419	0.708263	0.950079	ENSMUSG0 Tspo2
ENSMUSG0	7.554021	-0.27624	0.738274	-0.37417	0.708281	0.950079	ENSMUSG0 Taco1os
ENSMUSG0	417.0281	0.058484	0.156314	0.374145	0.708297	0.950079	ENSMUSG0 Ftsj1
ENSMUSG0	1211.277	0.125613	0.335846	0.37402	0.708389	0.950079	ENSMUSG0 Samhd1
ENSMUSG0	10.36758	0.336423	0.899536	0.373996	0.708407	0.950079	ENSMUSG0 Trbv13-2
ENSMUSG0	79.1729	0.077356	0.206838	0.373992	0.70841	0.950079	ENSMUSG0 Gm10643
ENSMUSG0	340.8344	-0.1866	0.499129	-0.37385	0.70852	0.950095	ENSMUSG0 Fabp4
ENSMUSG0	623.433	-0.07754	0.207431	-0.37382	0.708541	0.950095	ENSMUSG0 Rcbtb2
ENSMUSG0	510.0232	-0.10692	0.286064	-0.37378	0.708571	0.950095	ENSMUSG0 E2f1
ENSMUSG0	232.9043	0.074087	0.19827	0.373666	0.708653	0.950139	ENSMUSG09430015G1
ENSMUSG0	29.92725	-0.53243	1.425412	-0.37353	0.708756	0.950176	ENSMUSG0 Ugt2a3
ENSMUSG0	504.8984	0.079238	0.212179	0.373449	0.708814	0.950176	ENSMUSG0 Mis12
ENSMUSG0	11.70259	0.302971	0.811458	0.373366	0.708876	0.950176	ENSMUSG0 Alas2
ENSMUSG0	1000.997	0.060308	0.161571	0.373263	0.708952	0.950176	ENSMUSG0 Nfe2l2

ENSMUSG0	25.00189	0.181138	0.48548	0.37311	0.709066	0.950176	ENSMUSG0 Ttpa
ENSMUSG0	26.04418	0.384884	1.031751	0.373039	0.709119	0.950176	ENSMUSG0 Mef2b
ENSMUSG0	110.0494	0.199872	0.535934	0.372942	0.709192	0.950176	ENSMUSG0 Cd40
ENSMUSG0	5.686792	0.290572	0.779454	0.372789	0.709306	0.950176	ENSMUSG0A830009L0
ENSMUSG0	5.104123	-0.2915	0.781939	-0.37279	0.709307	0.950176	ENSMUSG0 Dppa3
ENSMUSG0	3.485209	-0.41756	1.120117	-0.37279	0.709307	0.950176	ENSMUSG0 Gm37390
ENSMUSG0	6.195738	0.306908	0.823702	0.372596	0.709449	0.950176	ENSMUSG0 Gm31356
ENSMUSG0	584.053	-0.08585	0.230401	-0.37259	0.709453	0.950176	ENSMUSG0 Wdr73
ENSMUSG0	118.9104	0.09675	0.259726	0.372508	0.709514	0.950176	ENSMUSG0 Jmjd7
ENSMUSG0	3.275694	-0.42475	1.140782	-0.37234	0.709643	0.950176	ENSMUSG0 Gm31645
ENSMUSG0	3.269296	-0.41289	1.108954	-0.37233	0.709649	0.950176	ENSMUSG0 Gm43273
ENSMUSG0	2870.804	0.08443	0.226764	0.372327	0.70965	0.950176	ENSMUSG0 Cap1
ENSMUSG0	27.75509	0.2461	0.661259	0.372169	0.709767	0.950176	ENSMUSG0E030022116
ENSMUSG0	63.29179	0.08776	0.235825	0.372142	0.709787	0.950176	ENSMUSG0 Kiss1r
ENSMUSG0	308.8127	0.168897	0.454168	0.371882	0.709981	0.950176	ENSMUSG0 Htra1
ENSMUSG0	294.6981	-0.13098	0.352231	-0.37185	0.710002	0.950176	ENSMUSG0Tmem120a
ENSMUSG0	5.125453	0.288365	0.775505	0.371842	0.710011	0.950176	ENSMUSG0 Gm44587
ENSMUSG0	385.6306	-0.08273	0.222546	-0.37175	0.710077	0.950176	ENSMUSG0 Mettl27
ENSMUSG0	701.9118	-0.08165	0.219667	-0.37171	0.710107	0.950176	ENSMUSG0 Caml
ENSMUSG0	472.7055	-0.10399	0.279853	-0.37159	0.710197	0.950176	ENSMUSG0 Erc1
ENSMUSG0	797.3344	-0.08509	0.228986	-0.37158	0.710209	0.950176	ENSMUSG0 Atf1
ENSMUSG0	3.474182	-0.41822	1.125736	-0.37151	0.710259	0.950176	ENSMUSG0 Gm44763
ENSMUSG0	8.169742	0.244584	0.658438	0.37146	0.710295	0.950176	ENSMUSG0 Gm38329
ENSMUSG0	35.52211	-0.2617	0.704627	-0.37141	0.710335	0.950176	ENSMUSG0A130071DC
ENSMUSG0	415.3375	-0.09341	0.251537	-0.37137	0.710362	0.950176	ENSMUSG0 Srr
ENSMUSG0	329.8198	0.108313	0.291706	0.37131	0.710407	0.950176	ENSMUSG0Trmt112-ps
ENSMUSG0	24.45277	0.172646	0.464998	0.371284	0.710426	0.950176	ENSMUSG04930525G2
ENSMUSG0	7740.382	-0.09198	0.247737	-0.37127	0.710435	0.950176	ENSMUSG0 Cox4i1
ENSMUSG0	52.4014	-0.1138	0.306554	-0.37123	0.710467	0.950176	ENSMUSG0 Lrrc18
ENSMUSG0	546.5234	-0.12786	0.344485	-0.37117	0.71051	0.950176	ENSMUSG0 Btaf1
ENSMUSG0	1264.328	-0.12191	0.328614	-0.37098	0.710655	0.950176	ENSMUSG0 Cpeb4
ENSMUSG0	84.00818	0.139212	0.375277	0.370958	0.710669	0.950176	ENSMUSG0 Slc39a8
ENSMUSG0	3.69237	0.418651	1.128579	0.370954	0.710671	0.950176	ENSMUSG04930426124
ENSMUSG0	43.69854	-0.26711	0.720399	-0.37079	0.710796	0.950176	ENSMUSG0 Gm48799
ENSMUSG0	1398.185	0.124012	0.334478	0.370764	0.710813	0.950176	ENSMUSG0 Exoc7
ENSMUSG0	759.3677	0.091835	0.24772	0.370719	0.710847	0.950176	ENSMUSG0 Lrrc42
ENSMUSG0	302.2861	0.091216	0.24608	0.370676	0.710879	0.950176	ENSMUSG0 Pot1a
ENSMUSG0	11983.38	-0.06684	0.180422	-0.37044	0.711055	0.950176	ENSMUSG0 Srpr
ENSMUSG0	812.291	0.080207	0.216526	0.370425	0.711066	0.950176	ENSMUSG0 Baiap2l1
ENSMUSG0	2458.571	-0.10392	0.280558	-0.37041	0.711081	0.950176	ENSMUSG0 Polr1d
ENSMUSG0	3.638213	0.371233	1.002315	0.370375	0.711103	0.950176	ENSMUSG0 Gm37317
ENSMUSG0	553.1664	-0.054	0.145802	-0.37034	0.711126	0.950176	ENSMUSG0 Poll
ENSMUSG0	1351.832	0.128299	0.346471	0.370302	0.711158	0.950176	ENSMUSG0 Psmb8
ENSMUSG0	484.8485	-0.06102	0.164806	-0.37025	0.711198	0.950176	ENSMUSG0 Tasp1
ENSMUSG0	8.4414	-0.26392	0.712815	-0.37024	0.7112	0.950176	ENSMUSG0E430014B0
ENSMUSG0	1005.687	0.065848	0.177858	0.370227	0.711213	0.950176	ENSMUSG0 Tmem64
ENSMUSG0	103.1462	-0.11377	0.307325	-0.37018	0.711249	0.950176	ENSMUSG0AC241534.1
ENSMUSG0	4.922607	0.400563	1.082564	0.370013	0.711373	0.950228	ENSMUSG0 Gm11611
ENSMUSG0	52.27559	-0.12318	0.332916	-0.36999	0.711387	0.950228	ENSMUSG06720427I07
ENSMUSG0	61.23448	0.197574	0.534184	0.369861	0.711486	0.950234	ENSMUSG02310001H1
ENSMUSG0	2436.72	-0.09248	0.250069	-0.36981	0.711523	0.950234	ENSMUSG0 Lrrc59
ENSMUSG0	313.8054	0.057453	0.155393	0.369726	0.711587	0.950234	ENSMUSG0 F2rl1

ENSMUSG0	378.418	-0.17484	0.472967	-0.36967	0.711626	0.950234	ENSMUSG0 Fabp3
ENSMUSG0	14.59334	-0.2036	0.550871	-0.3696	0.711684	0.950234	ENSMUSG0483340311f
ENSMUSG0	3.328343	-0.32145	0.869753	-0.36959	0.711688	0.950234	ENSMUSG0 Mccc1os
ENSMUSG0	14.40461	0.225895	0.611412	0.369465	0.711782	0.950262	ENSMUSG0 Gm49760
ENSMUSG0	6.001456	-0.3082	0.834258	-0.36943	0.711807	0.950262	ENSMUSG0 Rhox4a2
ENSMUSG0	62.41983	0.196272	0.531432	0.369326	0.711885	0.950299	ENSMUSG0 Ada
ENSMUSG0	812.4712	-0.05876	0.159172	-0.36916	0.712005	0.950394	ENSMUSG0 Pycrl
ENSMUSG0	11.31668	-0.28552	0.773672	-0.36904	0.712098	0.950439	ENSMUSG0 Gm43313
ENSMUSG0	1345.048	-0.06501	0.176268	-0.36884	0.712248	0.950439	ENSMUSG0 Ncbp1
ENSMUSG0	3.37941	0.390665	1.059549	0.368709	0.712345	0.950439	ENSMUSG0 Gm7045
ENSMUSG0	54.5129	-0.11511	0.312234	-0.36867	0.712373	0.950439	ENSMUSG0 Cldn34c1
ENSMUSG0	359.1701	0.200533	0.543993	0.368632	0.712402	0.950439	ENSMUSG0 Bank1
ENSMUSG0	1342.419	0.08713	0.236443	0.368503	0.712498	0.950439	ENSMUSG0 Txndc15
ENSMUSG0	34.88628	0.216164	0.586629	0.368486	0.712511	0.950439	ENSMUSG0 Ptgir
ENSMUSG0	100.9238	-0.14894	0.404254	-0.36842	0.71256	0.950439	ENSMUSG0 Gata2
ENSMUSG0	97.87169	0.105135	0.285399	0.368377	0.712592	0.950439	ENSMUSG0 BC024063
ENSMUSG0	4.239806	0.30808	0.836332	0.368371	0.712597	0.950439	ENSMUSG0 Gm13778
ENSMUSG0	684.2817	-0.1112	0.301927	-0.3683	0.712647	0.950439	ENSMUSG0 Zbtb11
ENSMUSG0	186.4491	0.53606	1.455715	0.368245	0.71269	0.950439	ENSMUSG0 Igkv14-126
ENSMUSG0	25.30944	0.233019	0.632978	0.368131	0.712776	0.950439	ENSMUSG0 Tns4
ENSMUSG0	1875.691	0.069254	0.188134	0.368108	0.712793	0.950439	ENSMUSG0 Ppp1r12c
ENSMUSG0	13.65825	0.217344	0.590674	0.36796	0.712903	0.950439	ENSMUSG0 Plaat1
ENSMUSG0	8.923207	-0.18615	0.505912	-0.36795	0.712908	0.950439	ENSMUSG0 Gm16894
ENSMUSG0	227.3298	0.104559	0.284171	0.367943	0.712916	0.950439	ENSMUSG0 Hirip3
ENSMUSG0	95.94783	-0.10465	0.284437	-0.36793	0.712928	0.950439	ENSMUSG0 Gm42991
ENSMUSG0	327.5243	0.083597	0.227266	0.367836	0.712995	0.950463	ENSMUSG0 Coa7
ENSMUSG0	1380.923	0.124557	0.338746	0.367701	0.713097	0.950507	ENSMUSG0 Eng
ENSMUSG0	78.30719	0.121119	0.329459	0.367629	0.71315	0.950507	ENSMUSG04930579K1
ENSMUSG0	3236.099	0.105408	0.286796	0.367538	0.713218	0.950507	ENSMUSG0 Aff4
ENSMUSG0	2244.925	-0.10153	0.276257	-0.36751	0.713242	0.950507	ENSMUSG0 BC031181
ENSMUSG0	5254.003	-0.05233	0.142456	-0.36736	0.71335	0.950507	ENSMUSG0 Cct7
ENSMUSG0	1606.094	0.045183	0.123005	0.367326	0.713376	0.950507	ENSMUSG0 Ppp5c
ENSMUSG0	12.40246	0.193931	0.528	0.367293	0.713401	0.950507	ENSMUSG0 Gm44167
ENSMUSG0	62.32903	0.14033	0.382099	0.367262	0.713424	0.950507	ENSMUSG0 Hoxb4
ENSMUSG0	8.744537	-0.21142	0.576011	-0.36704	0.713587	0.950658	ENSMUSG0 Gm10752
ENSMUSG0	12.98994	0.230176	0.627283	0.366941	0.713663	0.950678	ENSMUSG0 Gm38042
ENSMUSG0	494.3966	0.088953	0.242493	0.366825	0.71375	0.950678	ENSMUSG0 Cep89
ENSMUSG0	5.732804	-0.27476	0.749011	-0.36682	0.71375	0.950678	ENSMUSG05830487J09
ENSMUSG0	4.861655	-0.2609	0.711888	-0.36648	0.714003	0.950899	ENSMUSG0 Gm15270
ENSMUSG0	2402.512	0.054409	0.148468	0.36647	0.714015	0.950899	ENSMUSG0 Foxp4
ENSMUSG0	96.11705	0.4065	1.10981	0.366279	0.714157	0.951022	ENSMUSG0 Ig1v1
ENSMUSG0	6.450194	0.229108	0.625704	0.36616	0.714246	0.951075	ENSMUSG0 Gm11767
ENSMUSG0	3634.001	-0.04212	0.115131	-0.36588	0.714452	0.951284	ENSMUSG0 Ncstn
ENSMUSG0	113.9341	0.529791	1.448545	0.36574	0.714559	0.951361	ENSMUSG0 Gm14288
ENSMUSG0	31.74046	-0.10695	0.292633	-0.36546	0.714765	0.951568	ENSMUSG0 Gm49331
ENSMUSG0	886.9084	-0.06328	0.173186	-0.36538	0.714825	0.951583	ENSMUSG0 Polr1c
ENSMUSG0	3.965406	-0.31948	0.874683	-0.36525	0.714926	0.951651	ENSMUSG0C430042M:
ENSMUSG0	1077.089	0.053277	0.145894	0.365176	0.71498	0.951651	ENSMUSG0 Snx9
ENSMUSG0	1513.142	-0.05498	0.150595	-0.36512	0.715025	0.951651	ENSMUSG0 Aip
ENSMUSG0	4.368966	-0.29747	0.8151	-0.36495	0.715146	0.951712	ENSMUSG0Tmem150c
ENSMUSG0	4.843092	0.377708	1.035035	0.364923	0.715169	0.951712	ENSMUSG0 Vmn2r1
ENSMUSG0	3488.827	-0.0929	0.25467	-0.36479	0.71527	0.951762	ENSMUSG0 Rbm3

ENSMUSG0	12.18212	0.187911	0.515302	0.364662	0.715364	0.951762	ENSMUSG0 Gm28424
ENSMUSG0	48.76038	-0.22724	0.623213	-0.36462	0.715392	0.951762	ENSMUSG0 Gm50390
ENSMUSG0	45.53296	0.127439	0.349658	0.364468	0.715509	0.951762	ENSMUSG0 Cenpm
ENSMUSG0	2093.269	-0.10349	0.283959	-0.36446	0.715513	0.951762	ENSMUSG0 Hspe1
ENSMUSG0	3.51935	-0.42062	1.154179	-0.36443	0.715534	0.951762	ENSMUSG0 H3c13
ENSMUSG0	1649.424	0.059248	0.162587	0.364408	0.715553	0.951762	ENSMUSG0 Rtl8b
ENSMUSG0	483.5666	-0.07951	0.21832	-0.36419	0.715717	0.951872	ENSMUSG0 Tdrkh
ENSMUSG0	19244.97	-0.07196	0.197615	-0.36416	0.715735	0.951872	ENSMUSG0 Ccnd2
ENSMUSG0	8.292818	-0.28186	0.774316	-0.36401	0.715849	0.951949	ENSMUSG0 Rpl13-ps6
ENSMUSG0	1625.707	-0.07992	0.219738	-0.36372	0.716067	0.951949	ENSMUSG0 Tra2a
ENSMUSG0	32.02968	0.161689	0.444543	0.36372	0.716067	0.951949	ENSMUSG0 C2cd4d
ENSMUSG0	276.801	-0.06126	0.168433	-0.36371	0.716077	0.951949	ENSMUSG0 Gtf2h2
ENSMUSG0	3.071193	-0.44332	1.218974	-0.36369	0.716092	0.951949	ENSMUSG0 Gm37969
ENSMUSG0	5.866829	0.252185	0.693444	0.36367	0.716105	0.951949	ENSMUSG0 Adarb2
ENSMUSG0	32.70866	-0.12305	0.338418	-0.3636	0.716157	0.951949	ENSMUSG0 Gm45605
ENSMUSG0	281.7012	0.083025	0.228369	0.363557	0.716189	0.951949	ENSMUSG0 Hnf1aos1
ENSMUSG0	643.5241	0.046861	0.128974	0.363338	0.716352	0.951976	ENSMUSG0 Zfp710
ENSMUSG0	5.698111	-0.318	0.875374	-0.36327	0.7164	0.951976	ENSMUSG0 Gm29036
ENSMUSG0	676.3667	-0.05779	0.159115	-0.36321	0.716447	0.951976	ENSMUSG0 Dlg5
ENSMUSG0	23.75016	0.149259	0.410973	0.363184	0.716467	0.951976	ENSMUSG0 Gm42829
ENSMUSG0	2820.267	-0.06092	0.167759	-0.36312	0.716518	0.951976	ENSMUSG0 Cxxc5
ENSMUSG0	435.7475	0.115372	0.317727	0.363116	0.716518	0.951976	ENSMUSG0 Phlpp2
ENSMUSG0	2055.391	0.083085	0.228883	0.363003	0.716603	0.951976	ENSMUSG0 Nsa2
ENSMUSG0	51.0869	0.226645	0.624365	0.363	0.716605	0.951976	ENSMUSG0 Pglyrp2
ENSMUSG0	3934.195	-0.04798	0.132285	-0.36274	0.7168	0.952124	ENSMUSG0 Mapk8ip1
ENSMUSG0	2200.363	0.103338	0.284898	0.362719	0.716815	0.952124	ENSMUSG0 Itgav
ENSMUSG0	105.1509	-0.09845	0.271572	-0.36252	0.71696	0.952235	ENSMUSG0 8430429K0
ENSMUSG0	81.21904	-0.09251	0.255214	-0.36247	0.716998	0.952235	ENSMUSG0 Plk5
ENSMUSG0	2266.305	0.068606	0.189409	0.36221	0.717195	0.952388	ENSMUSG0 Rab3gap1
ENSMUSG0	5438.257	-0.05991	0.165428	-0.36214	0.717249	0.952388	ENSMUSG0 Hnrnpc
ENSMUSG0	12.52147	-0.35302	0.974862	-0.36212	0.717261	0.952388	ENSMUSG0 Ern2
ENSMUSG0	1285.27	-0.07953	0.219712	-0.36197	0.717373	0.952469	ENSMUSG0 Heca
ENSMUSG0	8.797477	0.248637	0.687067	0.361881	0.717441	0.952495	ENSMUSG0 Htr1b
ENSMUSG0	399.1919	0.054679	0.151159	0.36173	0.717554	0.952579	ENSMUSG0 Zfp707
ENSMUSG0	100.5213	0.077477	0.2143	0.361533	0.717701	0.952606	ENSMUSG0 Gm48604
ENSMUSG0	791.3184	0.091211	0.252311	0.361503	0.717723	0.952606	ENSMUSG0 Slc9a1
ENSMUSG0	436.0221	-0.07688	0.212658	-0.3615	0.717727	0.952606	ENSMUSG0 Hace1
ENSMUSG0	20.60762	-0.15483	0.428395	-0.36141	0.717793	0.952606	ENSMUSG0 Gm43808
ENSMUSG0	70.6782	0.088168	0.243983	0.361371	0.717822	0.952606	ENSMUSG0 A130014AC
ENSMUSG0	405.9711	-0.07639	0.211458	-0.36124	0.717922	0.952673	ENSMUSG0 Mecer
ENSMUSG0	966.6802	-0.08685	0.240525	-0.36107	0.718047	0.952688	ENSMUSG0 Mrpl43
ENSMUSG0	58.34044	-0.16881	0.467632	-0.36099	0.718108	0.952688	ENSMUSG0 Gm44164
ENSMUSG0	259.5819	-0.09415	0.260822	-0.36096	0.718128	0.952688	ENSMUSG0 Ythdc2
ENSMUSG0	327.1885	0.199632	0.553082	0.360945	0.718141	0.952688	ENSMUSG0 Map4k1
ENSMUSG0	964.7328	0.049184	0.136293	0.36087	0.718197	0.952688	ENSMUSG0 Cnot2
ENSMUSG0	2557.007	-0.11465	0.31775	-0.36083	0.71823	0.952688	ENSMUSG0 Psma2
ENSMUSG0	2246.884	-0.10729	0.297447	-0.36069	0.718334	0.95276	ENSMUSG0 Dhx30
ENSMUSG0	1326.841	0.078753	0.218713	0.360074	0.718792	0.953265	ENSMUSG0 Bod1
ENSMUSG0	4.641255	0.307091	0.853039	0.359997	0.718849	0.953265	ENSMUSG0 Acsm3
ENSMUSG0	23.82891	-0.169	0.469958	-0.35961	0.719139	0.953265	ENSMUSG0 Gm43328
ENSMUSG0	396.1377	0.124693	0.346896	0.359452	0.719257	0.953265	ENSMUSG0 Spopl
ENSMUSG0	171.6706	-0.17892	0.497783	-0.35944	0.719268	0.953265	ENSMUSG0 Slc28a2

ENSMUSG0	641.9628	-0.05514	0.153401	-0.35943	0.719271	0.953265	ENSMUSG0 Wdr24
ENSMUSG0	737.278	-0.08929	0.248523	-0.35928	0.719386	0.953265	ENSMUSG0 Mbttd1
ENSMUSG0	188.4818	0.106288	0.295865	0.359246	0.719411	0.953265	ENSMUSG0 Tmco4
ENSMUSG0	7.337544	0.270272	0.752378	0.359224	0.719428	0.953265	ENSMUSG0 Gm26852
ENSMUSG0	403.6487	0.112138	0.312177	0.359212	0.719437	0.953265	ENSMUSG0 Setbp1
ENSMUSG0	1477.698	-0.07915	0.220403	-0.35913	0.719501	0.953265	ENSMUSG0 Lrp6
ENSMUSG0	1308.265	-0.05127	0.142804	-0.35901	0.719587	0.953265	ENSMUSG0 Psmc6
ENSMUSG0	19.1967	-0.22432	0.624896	-0.35897	0.719621	0.953265	ENSMUSG0 Nlrp3
ENSMUSG0	59.66168	0.08122	0.226304	0.358899	0.719671	0.953265	ENSMUSG0 Trim67
ENSMUSG0	13.17821	0.351574	0.979626	0.358886	0.719681	0.953265	ENSMUSG0 Cpz
ENSMUSG0	24.88984	1.038137	2.892746	0.358876	0.719688	0.953265	ENSMUSG0 Ngp
ENSMUSG0	17.55937	-0.16729	0.466274	-0.35878	0.719762	0.953265	ENSMUSG0 Gm26843
ENSMUSG0	299.4277	-0.05003	0.139463	-0.35877	0.719768	0.953265	ENSMUSG0 Rilpl1
ENSMUSG0	2002.103	0.122164	0.340521	0.358757	0.719777	0.953265	ENSMUSG0 Cd79a
ENSMUSG0	952.0658	-0.07059	0.196845	-0.3586	0.719898	0.953265	ENSMUSG0 Synj2bp
ENSMUSG0	25.33705	0.221342	0.617267	0.358583	0.719907	0.953265	ENSMUSG0 Cd300lf
ENSMUSG0	579.9711	0.119364	0.332882	0.358579	0.71991	0.953265	ENSMUSG0 Cd34
ENSMUSG0	8218.231	-0.0452	0.126049	-0.35856	0.719922	0.953265	ENSMUSG0 Uba1
ENSMUSG0	4.958433	0.274899	0.766758	0.358521	0.719954	0.953265	ENSMUSG0 Gm19510
ENSMUSG0	206.655	-0.16039	0.447517	-0.35841	0.72004	0.953313	ENSMUSG0 Tgtp2
ENSMUSG0	4112.592	-0.08132	0.226951	-0.35831	0.720109	0.953339	ENSMUSG0 Atp5d
ENSMUSG0	1920.372	0.072837	0.203353	0.358179	0.720209	0.953353	ENSMUSG0 Fip1l1
ENSMUSG0	926.9871	-0.10588	0.295649	-0.35812	0.720255	0.953353	ENSMUSG0 Tmem160
ENSMUSG0	7.93342	0.282778	0.789661	0.358101	0.720268	0.953353	ENSMUSG0 Gm16574
ENSMUSG0	439.3445	-0.0644	0.179949	-0.3579	0.720418	0.953485	ENSMUSG0 Pgbd5
ENSMUSG0	300.71	-0.10168	0.28428	-0.35767	0.720592	0.95365	ENSMUSG0 Tab3
ENSMUSG0	28.67291	-0.18164	0.508344	-0.35731	0.720861	0.953746	ENSMUSG0 Gm49659
ENSMUSG0	8.315132	0.20346	0.569541	0.357235	0.720916	0.953746	ENSMUSG0 Gm38194
ENSMUSG0	165.2196	-0.10522	0.294541	-0.35723	0.720921	0.953746	ENSMUSG0 Mfsd3
ENSMUSG0	15.59407	-0.17503	0.490041	-0.35717	0.720967	0.953746	ENSMUSG0 9530062K0
ENSMUSG0	1071.23	-0.0687	0.19239	-0.35711	0.721008	0.953746	ENSMUSG0 Gcsh
ENSMUSG0	5.253179	0.289499	0.810721	0.357089	0.721025	0.953746	ENSMUSG0 Gm42648
ENSMUSG0	295.3565	0.06359	0.178109	0.35703	0.721069	0.953746	ENSMUSG0 Klhl36
ENSMUSG0	17.09985	0.146343	0.409954	0.356975	0.721111	0.953746	ENSMUSG0 Gm45250
ENSMUSG0	12.59141	0.235786	0.660989	0.356716	0.721304	0.953755	ENSMUSG0 Gm18194
ENSMUSG0	425.9737	-0.07081	0.198533	-0.35667	0.721337	0.953755	ENSMUSG0 Kdsr
ENSMUSG0	12.01454	-0.23323	0.653919	-0.35666	0.721343	0.953755	ENSMUSG0 Gm15708
ENSMUSG0	404.0766	-0.04999	0.140167	-0.35665	0.721355	0.953755	ENSMUSG0 Polr3h
ENSMUSG0	5798.039	-0.10344	0.290048	-0.35664	0.721365	0.953755	ENSMUSG0 Nme2
ENSMUSG0	191.6532	0.077061	0.216182	0.356462	0.721495	0.953828	ENSMUSG0 Gemin2
ENSMUSG0	65.74078	-0.09937	0.278811	-0.35641	0.721532	0.953828	ENSMUSG0 Gm8234
ENSMUSG0	1378.143	0.073322	0.205798	0.356282	0.721629	0.953828	ENSMUSG0 Bsdcl
ENSMUSG0	15.29726	-0.21245	0.596373	-0.35624	0.721665	0.953828	ENSMUSG0 Awat2
ENSMUSG0	102.558	-0.13674	0.38384	-0.35623	0.721669	0.953828	ENSMUSG0 Nkx2-3
ENSMUSG0	1041.97	0.071448	0.200753	0.355901	0.721915	0.954039	ENSMUSG0 Rnf8
ENSMUSG0	15.44377	-0.34622	0.972853	-0.35588	0.721927	0.954039	ENSMUSG0 Gm43546
ENSMUSG0	30.76317	-0.14601	0.410353	-0.35581	0.72198	0.954044	ENSMUSG0 Gm19569
ENSMUSG0	441.2148	-0.05201	0.146258	-0.3556	0.722143	0.954163	ENSMUSG0 Ppif
ENSMUSG0	16.23067	0.222144	0.624796	0.355546	0.722181	0.954163	ENSMUSG0 H2-T-ps
ENSMUSG0	823.1938	-0.06091	0.171359	-0.35546	0.722248	0.954163	ENSMUSG0 Nphp1
ENSMUSG0	150.8132	0.075033	0.211106	0.355427	0.722269	0.954163	ENSMUSG0 Lurap1
ENSMUSG0	670.3393	0.079851	0.224788	0.35523	0.722417	0.954223	ENSMUSG0 Ctdp1

ENSMUSG0	1624.256	-0.14551	0.409749	-0.35513	0.722494	0.954223	ENSMUSG0 Tomm7
ENSMUSG0	1005.038	-0.07706	0.217013	-0.35511	0.722505	0.954223	ENSMUSG0 Fzd3
ENSMUSG0	3.897036	0.272188	0.766546	0.355083	0.722527	0.954223	ENSMUSG0 Gm10817
ENSMUSG0	4.032384	0.417981	1.177289	0.355036	0.722562	0.954223	ENSMUSG01700054A0
ENSMUSG0	10.88981	-0.22169	0.624587	-0.35493	0.722641	0.954262	ENSMUSG0 Gm13423
ENSMUSG0	70.68399	-0.09173	0.25856	-0.35478	0.722753	0.954343	ENSMUSG0A430035B1
ENSMUSG0	493.0289	0.095214	0.268478	0.354642	0.722858	0.954416	ENSMUSG0 Pprc1
ENSMUSG0	442.2736	-0.08946	0.252342	-0.35452	0.722951	0.954453	ENSMUSG0 Akap1
ENSMUSG0	3052.934	0.06293	0.177531	0.354473	0.722985	0.954453	ENSMUSG0 Oaz2
ENSMUSG0	39.87461	-0.10946	0.308875	-0.35439	0.723045	0.954467	ENSMUSG0 Kcnj4
ENSMUSG0	4.73403	0.372639	1.052042	0.354205	0.723185	0.954514	ENSMUSG0 Gm44660
ENSMUSG0	681.6605	0.072482	0.204657	0.354163	0.723216	0.954514	ENSMUSG0 Exd2
ENSMUSG0	919.1003	-0.10451	0.295097	-0.35415	0.723229	0.954514	ENSMUSG0 Exosc9
ENSMUSG0	816.2894	0.056373	0.159223	0.354054	0.723299	0.95454	ENSMUSG0 Dhx8
ENSMUSG0	230.9892	-0.11985	0.338656	-0.3539	0.723417	0.954598	ENSMUSG0 Gm21992
ENSMUSG0	3.302194	0.67181	1.898881	0.353793	0.723494	0.954598	ENSMUSG0 Bpifb5
ENSMUSG0	3512.12	-0.06114	0.172876	-0.35366	0.723592	0.954598	ENSMUSG0 Ret
ENSMUSG0	14.29517	0.193694	0.547733	0.353628	0.723618	0.954598	ENSMUSG0 Gm49413
ENSMUSG0	14.30031	-0.18979	0.536734	-0.35361	0.723633	0.954598	ENSMUSG0 Slc39a2
ENSMUSG0	314.4683	-0.07941	0.224571	-0.3536	0.72364	0.954598	ENSMUSG0 Zswim4
ENSMUSG0	365.6188	0.078208	0.221347	0.353326	0.723844	0.954801	ENSMUSG0 Frsr1
ENSMUSG0	3.108258	0.433896	1.228833	0.353096	0.724017	0.954963	ENSMUSG0 Gm40438
ENSMUSG0	717.1511	-0.04385	0.12423	-0.35293	0.724137	0.955057	ENSMUSG0 Wdr5
ENSMUSG0	656.6127	0.079344	0.224857	0.352867	0.724188	0.955059	ENSMUSG0 Dnlz
ENSMUSG0	2526.549	0.053082	0.150584	0.352508	0.724457	0.955348	ENSMUSG0 Eif3e
ENSMUSG0	20.00096	-0.16031	0.454904	-0.3524	0.724541	0.955392	ENSMUSG0A330008L1
ENSMUSG0	873.5845	0.093075	0.264179	0.352318	0.7246	0.955392	ENSMUSG0 Trim23
ENSMUSG0	40.80917	-0.16708	0.474294	-0.35226	0.72464	0.955392	ENSMUSG0 Nutf2
ENSMUSG0	5773.273	-0.08437	0.239588	-0.35213	0.724738	0.955407	ENSMUSG0 Acin1
ENSMUSG0	514.2419	0.053148	0.150937	0.352117	0.72475	0.955407	ENSMUSG0 Clcc1
ENSMUSG0	50.51344	-0.10401	0.295548	-0.35193	0.724888	0.955438	ENSMUSG02810002D1
ENSMUSG0	1001.852	-0.08148	0.231564	-0.35188	0.724927	0.955438	ENSMUSG0 Dazap1
ENSMUSG0	733.8748	0.064811	0.184192	0.351866	0.724939	0.955438	ENSMUSG0 B4galt1
ENSMUSG0	5.257294	-0.34033	0.967384	-0.35181	0.724983	0.955438	ENSMUSG0 Gm47963
ENSMUSG0	2386.739	-0.04111	0.116864	-0.35176	0.725022	0.955438	ENSMUSG0 Rpa1
ENSMUSG0	729.69	0.08844	0.251508	0.351637	0.725111	0.955489	ENSMUSG0 Ccs
ENSMUSG0	1583.155	-0.06926	0.197083	-0.35145	0.725251	0.955536	ENSMUSG0 Mau2
ENSMUSG0	24814.09	-0.08897	0.253228	-0.35135	0.725327	0.955536	ENSMUSG0 Rps14
ENSMUSG0	4.33437	0.307557	0.875549	0.351274	0.725383	0.955536	ENSMUSG0 Gm3226
ENSMUSG0	704.6666	-0.07225	0.205746	-0.35116	0.725471	0.955536	ENSMUSG0 Lbr
ENSMUSG0	201.7077	0.17345	0.494015	0.351104	0.725511	0.955536	ENSMUSG0 Fcrla
ENSMUSG0	84.91894	-0.19917	0.567669	-0.35086	0.725695	0.955536	ENSMUSG0 Gabra4
ENSMUSG0	4.707933	0.302148	0.861412	0.350759	0.725769	0.955536	ENSMUSG0 Gm17334
ENSMUSG0	996.4234	0.062446	0.178071	0.350679	0.725829	0.955536	ENSMUSG0 Sel1l3
ENSMUSG0	3649.655	0.06543	0.186605	0.350632	0.725864	0.955536	ENSMUSG0 St13
ENSMUSG0	4.1604	0.279445	0.797126	0.350565	0.725915	0.955536	ENSMUSG0 Gm38198
ENSMUSG0	746.4695	-0.07818	0.223029	-0.35052	0.725947	0.955536	ENSMUSG0 Hmg20b
ENSMUSG0	340.3794	-0.09073	0.258868	-0.35049	0.725968	0.955536	ENSMUSG0 Sh3yl1
ENSMUSG0	8.344639	0.36904	1.052998	0.350466	0.725989	0.955536	ENSMUSG0 Sprr2a3
ENSMUSG0	2245.949	0.069519	0.198385	0.350423	0.726021	0.955536	ENSMUSG0 Slc35f5
ENSMUSG0	4.770019	-0.38826	1.108246	-0.35033	0.726088	0.955536	ENSMUSG0 Gm28578
ENSMUSG0	537.5977	-0.06102	0.174283	-0.35014	0.726233	0.955536	ENSMUSG0 Mier2

ENSMUSG0	2252.974	-0.06614	0.188962	-0.35002	0.726324	0.955536	ENSMUSG0 Ube2s
ENSMUSG0	893.0954	-0.0675	0.192896	-0.34993	0.726391	0.955536	ENSMUSG0 Lias
ENSMUSG0	21.61301	-0.15626	0.44663	-0.34987	0.726434	0.955536	ENSMUSG0 Gm37249
ENSMUSG0	11.35708	-0.28307	0.809186	-0.34982	0.726473	0.955536	ENSMUSG0 Abca14
ENSMUSG0	1127.151	-0.06116	0.174833	-0.34981	0.726481	0.955536	ENSMUSG0 Marveld1
ENSMUSG0	117.8781	0.075043	0.214555	0.349762	0.726518	0.955536	ENSMUSG0 Slc2a9
ENSMUSG0	48.25047	-0.18298	0.523223	-0.34971	0.726555	0.955536	ENSMUSG0 Ccl6
ENSMUSG0	1719.382	0.053711	0.153614	0.349648	0.726603	0.955536	ENSMUSG0 Cdk9
ENSMUSG0	1023.278	-0.09962	0.284924	-0.34963	0.726616	0.955536	ENSMUSG0 Lmtk2
ENSMUSG0	1206.797	-0.09315	0.266447	-0.34961	0.726631	0.955536	ENSMUSG0 Gm20300
ENSMUSG0	128.6544	-0.11093	0.317407	-0.3495	0.726716	0.955536	ENSMUSG02810410L2.
ENSMUSG0	18.46814	0.282404	0.808157	0.349442	0.726757	0.955536	ENSMUSG0 Apol9a
ENSMUSG0	428.7712	-0.07503	0.214774	-0.34935	0.726828	0.955536	ENSMUSG0 Mtmr1
ENSMUSG0	30.61195	-0.222	0.635483	-0.34935	0.72683	0.955536	ENSMUSG0 Bfsp2
ENSMUSG0	1340.161	0.104189	0.298326	0.349245	0.726905	0.955536	ENSMUSG0 Tnks
ENSMUSG0	1872.632	-0.06691	0.191662	-0.3491	0.727017	0.955536	ENSMUSG0 Brwd1
ENSMUSG0	6.201532	0.264909	0.759152	0.348954	0.727124	0.955536	ENSMUSG0 Gm37333
ENSMUSG0	1253.57	-0.12273	0.351777	-0.34889	0.727171	0.955536	ENSMUSG0 Cib2
ENSMUSG0	95.90044	-0.0981	0.281187	-0.34889	0.727173	0.955536	ENSMUSG0 Pcdhb20
ENSMUSG0	288.5256	0.056012	0.160544	0.348888	0.727174	0.955536	ENSMUSG0 Trmu
ENSMUSG0	5.217352	0.228324	0.654587	0.348807	0.727234	0.955536	ENSMUSG0 Gm2788
ENSMUSG0	467.068	-0.08636	0.247619	-0.34878	0.727257	0.955536	ENSMUSG0 Cwc27
ENSMUSG0	11.02456	0.308405	0.88427	0.348768	0.727263	0.955536	ENSMUSG0 Gm20507
ENSMUSG0	13.49746	-0.17017	0.487974	-0.34873	0.72729	0.955536	ENSMUSG0 Yjefn3
ENSMUSG0	3682.893	-0.08603	0.246724	-0.34868	0.727332	0.955536	ENSMUSG0 Tmed7
ENSMUSG0	207.4404	-0.07566	0.217002	-0.34866	0.727343	0.955536	ENSMUSG0 Cep95
ENSMUSG0	101.068	-0.10153	0.291265	-0.34859	0.727398	0.955536	ENSMUSG0 Sdhaf3
ENSMUSG0	5.223058	0.283618	0.813638	0.348581	0.727404	0.955536	ENSMUSG0 Sh2d4b
ENSMUSG0	1612.078	-0.11299	0.324147	-0.34857	0.727408	0.955536	ENSMUSG0 Sdk2
ENSMUSG0	840.544	0.066025	0.189437	0.348535	0.727438	0.955536	ENSMUSG0 Plekhm1
ENSMUSG0	163.0291	0.070955	0.203613	0.348479	0.727481	0.955536	ENSMUSG0E430018J2:
ENSMUSG0	2615.717	-0.10479	0.300777	-0.34839	0.727546	0.955556	ENSMUSG0 Sdhb
ENSMUSG0	16.52843	0.229396	0.658899	0.34815	0.727728	0.955729	ENSMUSG0 Gm37818
ENSMUSG0	4.168329	-0.3121	0.896768	-0.34803	0.72782	0.955785	ENSMUSG0 Scube2
ENSMUSG0	10.25533	0.212187	0.610219	0.347723	0.728048	0.955933	ENSMUSG09130015G1
ENSMUSG0	4.927039	0.279086	0.802779	0.34765	0.728103	0.955933	ENSMUSG0 Gm47414
ENSMUSG0	5760.109	-0.09866	0.283835	-0.3476	0.728137	0.955933	ENSMUSG0 Gm7536
ENSMUSG0	1681.246	-0.06078	0.174859	-0.34757	0.72816	0.955933	ENSMUSG0 Nop56
ENSMUSG0	34.71356	0.252999	0.728001	0.347525	0.728197	0.955933	ENSMUSG0 Gm49384
ENSMUSG0	42.97856	-0.26294	0.757116	-0.34729	0.728371	0.955933	ENSMUSG0 Tmem252
ENSMUSG0	641.6337	0.084734	0.244016	0.347248	0.728405	0.955933	ENSMUSG0 Mid2
ENSMUSG0	5.237142	-0.40313	1.161074	-0.3472	0.728438	0.955933	ENSMUSG0 Rmst
ENSMUSG0	1058.633	-0.05537	0.159482	-0.34716	0.728468	0.955933	ENSMUSG01810013L2.
ENSMUSG0	241.9911	0.126972	0.365806	0.347102	0.728515	0.955933	ENSMUSG0 Gm42429
ENSMUSG0	268.7459	0.067003	0.193044	0.347088	0.728525	0.955933	ENSMUSG0 Klhl25
ENSMUSG0	1033.731	-0.04569	0.131683	-0.34697	0.728614	0.95598	ENSMUSG0 Qpctl
ENSMUSG0	563.6035	0.046591	0.134336	0.346827	0.728721	0.956025	ENSMUSG0 Myd88
ENSMUSG0	659.8889	0.063563	0.183324	0.346727	0.728796	0.956025	ENSMUSG0 Ttc1
ENSMUSG0	1747.208	-0.051	0.147091	-0.34673	0.728797	0.956025	ENSMUSG0 Ube2o
ENSMUSG0	455.1114	0.061561	0.177614	0.346601	0.728891	0.956082	ENSMUSG0 Rufy2
ENSMUSG0	3654.814	0.144853	0.418136	0.346425	0.729024	0.956161	ENSMUSG0 Luc7l3
ENSMUSG0	7079.155	0.095449	0.275554	0.346389	0.72905	0.956161	ENSMUSG0 Hnrnpu

ENSMUSG0	1060.182	-0.0754	0.217753	-0.34628	0.729133	0.956204	ENSMUSG0 Mindy1
ENSMUSG0	1103.105	-0.06205	0.179359	-0.34598	0.729361	0.956438	ENSMUSG0 Cbx1
ENSMUSG0	756.6384	0.085982	0.248659	0.345784	0.729505	0.956502	ENSMUSG0 Senp2
ENSMUSG0	20021.39	-0.13426	0.388279	-0.34578	0.729509	0.956502	ENSMUSG0 Rps24
ENSMUSG0	485.2755	0.073003	0.211283	0.345524	0.7297	0.956609	ENSMUSG0 Mier3
ENSMUSG0	9.250747	-0.19036	0.551018	-0.34547	0.72974	0.956609	ENSMUSG0 Gm44136
ENSMUSG0	701.7521	0.085452	0.247488	0.345279	0.729885	0.956713	ENSMUSG0 Elk4
ENSMUSG0	348.7188	0.072286	0.209409	0.345189	0.729953	0.956713	ENSMUSG0 Dhodh
ENSMUSG0	1256.579	-0.06364	0.184375	-0.34517	0.729969	0.956713	ENSMUSG0 Pelp1
ENSMUSG0	212.6477	0.082109	0.238089	0.344866	0.730195	0.956945	ENSMUSG0 Rcc1
ENSMUSG0	646.2282	-0.06629	0.192356	-0.34463	0.730373	0.957002	ENSMUSG0 Tut1
ENSMUSG0	969.9133	-0.10812	0.313746	-0.34462	0.730381	0.957002	ENSMUSG0 Ndufa3
ENSMUSG0	375.0822	-0.09849	0.285865	-0.34454	0.730444	0.957002	ENSMUSG0 Zfp518a
ENSMUSG0	8.319231	-0.26737	0.776206	-0.34446	0.730497	0.957002	ENSMUSG0 Gm10046
ENSMUSG0	5.745371	-0.25353	0.736011	-0.34446	0.7305	0.957002	ENSMUSG0 Rpl21-ps8
ENSMUSG0	5807.458	-0.07596	0.220609	-0.34433	0.730601	0.957002	ENSMUSG0 Copz1
ENSMUSG0	59.34209	-0.10295	0.299151	-0.34415	0.730731	0.957002	ENSMUSG01110019D1
ENSMUSG0	1247.628	-0.09099	0.264405	-0.34412	0.730756	0.957002	ENSMUSG0 Cspp1
ENSMUSG0	1654.471	0.032894	0.095599	0.344083	0.730784	0.957002	ENSMUSG0 Chmp7
ENSMUSG0	23.77519	0.138316	0.402239	0.343865	0.730948	0.957002	ENSMUSG0 Ccdc18
ENSMUSG0	11.78962	-0.23115	0.67225	-0.34384	0.730964	0.957002	ENSMUSG0 Slc5a10
ENSMUSG0	2.993701	0.401891	1.168925	0.343812	0.730987	0.957002	ENSMUSG0 Igkv2-137
ENSMUSG0	714.9035	-0.09044	0.263048	-0.3438	0.730999	0.957002	ENSMUSG0 Snapc1
ENSMUSG0	750.9534	-0.06812	0.198204	-0.3437	0.73107	0.957002	ENSMUSG0 Snx8
ENSMUSG0	136.4173	-0.1031	0.300029	-0.34363	0.731123	0.957002	ENSMUSG0 Hic2
ENSMUSG0	1150.107	0.101122	0.29429	0.343614	0.731137	0.957002	ENSMUSG0 Sp1
ENSMUSG0	1036.492	0.118501	0.344884	0.343597	0.73115	0.957002	ENSMUSG0 Phpt1
ENSMUSG0	14.77251	0.197499	0.574911	0.34353	0.7312	0.957002	ENSMUSG0 Gm33195
ENSMUSG0	334.4222	0.069336	0.201838	0.343525	0.731203	0.957002	ENSMUSG0 Parp9
ENSMUSG0	600.7696	-0.10014	0.291741	-0.34323	0.731422	0.957002	ENSMUSG0 Rab43
ENSMUSG0	621.8149	-0.07574	0.220672	-0.34322	0.731429	0.957002	ENSMUSG0 Acad9
ENSMUSG0	761.9795	-0.10171	0.296378	-0.34317	0.731472	0.957002	ENSMUSG0 Zfp568
ENSMUSG0	1089.79	-0.05328	0.155279	-0.34311	0.731518	0.957002	ENSMUSG0 Pick1
ENSMUSG0	95.12833	0.075933	0.221387	0.342986	0.731609	0.957002	ENSMUSG0 Zfp3
ENSMUSG0	2387.807	0.111105	0.323964	0.342955	0.731632	0.957002	ENSMUSG0 Sart1
ENSMUSG0	70.61808	0.133893	0.390562	0.34282	0.731734	0.957002	ENSMUSG0 Ccdc113
ENSMUSG0	80.52228	0.110818	0.323272	0.342801	0.731749	0.957002	ENSMUSG0 Xkr8
ENSMUSG0	9.016081	-0.22093	0.644531	-0.34278	0.731763	0.957002	ENSMUSG04930500F1
ENSMUSG0	1561.294	-0.08701	0.253939	-0.34265	0.731864	0.957002	ENSMUSG0 Phf14
ENSMUSG0	4.906708	-0.31153	0.909325	-0.34259	0.731904	0.957002	ENSMUSG0 Gm37166
ENSMUSG0	986.95	-0.05732	0.167342	-0.34253	0.73195	0.957002	ENSMUSG0 Armc8
ENSMUSG0	12.88287	-0.17549	0.512366	-0.3425	0.731973	0.957002	ENSMUSG0 Gm32699
ENSMUSG0	1826.803	-0.0897	0.261989	-0.34236	0.732079	0.957002	ENSMUSG0 Ylpm1
ENSMUSG0	20.49613	0.280064	0.818489	0.342172	0.732221	0.957002	ENSMUSG0 Folr2
ENSMUSG0	5.92443	0.322271	0.941859	0.342165	0.732227	0.957002	ENSMUSG0 Gm31816
ENSMUSG0	28.70541	-0.15515	0.453509	-0.3421	0.732274	0.957002	ENSMUSG0 Gm37248
ENSMUSG0	3158.061	0.104187	0.304598	0.342046	0.732316	0.957002	ENSMUSG0 Srp14
ENSMUSG0	74.87817	0.120482	0.352272	0.342013	0.732341	0.957002	ENSMUSG0 Ccm2l
ENSMUSG0	305.3625	-0.13218	0.386529	-0.34196	0.732379	0.957002	ENSMUSG0 Gm49980
ENSMUSG0	422.8095	-0.07746	0.226556	-0.34191	0.732417	0.957002	ENSMUSG0 Fdx2
ENSMUSG0	400.1873	-0.06912	0.202179	-0.3419	0.732427	0.957002	ENSMUSG0 Dera
ENSMUSG0	1700.822	-0.09231	0.270031	-0.34186	0.732458	0.957002	ENSMUSG0 Fastk

ENSMUSG0	3818.095	-0.10225	0.299183	-0.34175	0.732536	0.957002	ENSMUSG0 Hnrnpm
ENSMUSG0	877.5898	-0.07189	0.210357	-0.34175	0.732539	0.957002	ENSMUSG0 Coro7
ENSMUSG0	4673.288	-0.09384	0.274658	-0.34167	0.732603	0.957002	ENSMUSG0 Snrnp70
ENSMUSG0	2998.071	-0.06968	0.203946	-0.34164	0.732622	0.957002	ENSMUSG0 Mbtsp1
ENSMUSG0	1169.391	-0.06755	0.197719	-0.34163	0.732627	0.957002	ENSMUSG0 Snx6
ENSMUSG0	3.302309	-0.34308	1.004778	-0.34145	0.732763	0.957014	ENSMUSG0 Noxa1
ENSMUSG0	2967.021	0.072108	0.211208	0.341405	0.732799	0.957014	ENSMUSG0 Scaf1
ENSMUSG0	30.76895	0.276402	0.80981	0.341317	0.732865	0.957014	ENSMUSG0 Iglv2
ENSMUSG0	14.55636	-0.15187	0.445049	-0.34125	0.732919	0.957014	ENSMUSG0 Pcdh4
ENSMUSG0	556.3588	0.080086	0.23476	0.341138	0.733	0.957014	ENSMUSG0 Wdr59
ENSMUSG0	540.235	-0.06531	0.191439	-0.34113	0.733004	0.957014	ENSMUSG0 Secisbp2
ENSMUSG0	38.41571	-0.11479	0.336548	-0.34108	0.733041	0.957014	ENSMUSG04930563E2
ENSMUSG0	4.346664	-0.35742	1.048045	-0.34104	0.733074	0.957014	ENSMUSG0 Gm43024
ENSMUSG0	92.38683	-0.09102	0.266966	-0.34093	0.733158	0.957014	ENSMUSG0 P2ry12
ENSMUSG0	733.7165	-0.07431	0.218091	-0.34074	0.733296	0.957014	ENSMUSG0 Gga3
ENSMUSG0	133.226	-0.16755	0.491911	-0.34061	0.733397	0.957014	ENSMUSG0 Slc16a7
ENSMUSG0	1526.867	-0.06028	0.177057	-0.34045	0.733518	0.957014	ENSMUSG0 Fubp1
ENSMUSG0	100.4272	-0.10724	0.315336	-0.34009	0.733792	0.957014	ENSMUSG0 Tubd1
ENSMUSG0	1323.93	-0.09023	0.26534	-0.34006	0.733813	0.957014	ENSMUSG0 Naa50
ENSMUSG0	1819.581	0.086751	0.255117	0.340044	0.733823	0.957014	ENSMUSG0 Cad
ENSMUSG0	10.92608	0.192357	0.565768	0.339993	0.733862	0.957014	ENSMUSG0 Gm49700
ENSMUSG0	13.2898	0.155402	0.457086	0.339984	0.733869	0.957014	ENSMUSG0 Gm19026
ENSMUSG0	4.197522	-0.29074	0.855612	-0.3398	0.734007	0.957014	ENSMUSG0 Gm37488
ENSMUSG0	8.874485	-0.19402	0.570989	-0.3398	0.734009	0.957014	ENSMUSG0 Gm4221
ENSMUSG0	57.96091	-0.1049	0.308791	-0.3397	0.734085	0.957014	ENSMUSG0 Grin2d
ENSMUSG0	1459.15	-0.08234	0.242426	-0.33966	0.734112	0.957014	ENSMUSG0 Dnajb14
ENSMUSG0	378.9262	-0.09571	0.281803	-0.33963	0.734132	0.957014	ENSMUSG0 Mgst3
ENSMUSG0	8060.572	-0.08113	0.238917	-0.33956	0.73419	0.957014	ENSMUSG0 Srrm2
ENSMUSG0	13.82294	-0.16351	0.481642	-0.33948	0.73425	0.957014	ENSMUSG0 Slc2a12
ENSMUSG0	3.877316	0.337377	0.993856	0.339463	0.734261	0.957014	ENSMUSG0 Gm15627
ENSMUSG0	90.39789	0.164504	0.484675	0.339411	0.7343	0.957014	ENSMUSG0 Hells
ENSMUSG0	1177.402	-0.08157	0.240412	-0.3393	0.734383	0.957014	ENSMUSG0 Adgrf5
ENSMUSG0	16.50396	-0.15152	0.446564	-0.3393	0.734383	0.957014	ENSMUSG0 Lrfn2
ENSMUSG0	2189.016	-0.12604	0.371618	-0.33916	0.734488	0.957014	ENSMUSG0 Ppig
ENSMUSG0	16.49783	-0.12924	0.381267	-0.33897	0.734629	0.957014	ENSMUSG0 Gm43205
ENSMUSG0	8.445892	-0.2636	0.777888	-0.33887	0.734709	0.957014	ENSMUSG02510017J16
ENSMUSG0	43.11726	0.152804	0.451001	0.338812	0.734752	0.957014	ENSMUSG0 Gm45322
ENSMUSG0	744.4722	-0.07685	0.226814	-0.3388	0.734758	0.957014	ENSMUSG0 Polr3d
ENSMUSG0	3718.641	-0.1208	0.35662	-0.33874	0.734802	0.957014	ENSMUSG0 Pfdn5
ENSMUSG0	483.8677	0.107626	0.317764	0.338699	0.734837	0.957014	ENSMUSG0 Prss8
ENSMUSG0	1956.537	-0.09943	0.293571	-0.33868	0.73485	0.957014	ENSMUSG0 Sar1b
ENSMUSG0	635.9451	-0.08369	0.247153	-0.3386	0.734913	0.957014	ENSMUSG0 Edrf1
ENSMUSG0	1035.435	-0.0487	0.143834	-0.33856	0.734944	0.957014	ENSMUSG0 Ulk2
ENSMUSG0	605.9392	0.095495	0.28208	0.338539	0.734957	0.957014	ENSMUSG0 Sh2b3
ENSMUSG0	299.3905	-0.13338	0.39404	-0.33849	0.734992	0.957014	ENSMUSG0 Hpn
ENSMUSG0	11.59592	-0.16997	0.502534	-0.33823	0.735193	0.957014	ENSMUSG01700023H0
ENSMUSG0	1056.748	-0.08971	0.265229	-0.33822	0.735195	0.957014	ENSMUSG0 Commd3
ENSMUSG0	956.1638	0.057531	0.170182	0.338058	0.73532	0.957014	ENSMUSG0 Oxsr1
ENSMUSG0	4324.019	-0.07957	0.23539	-0.33803	0.735339	0.957014	ENSMUSG0 Etnk1
ENSMUSG0	1199.173	0.076134	0.225259	0.337985	0.735375	0.957014	ENSMUSG0 Atf7ip
ENSMUSG0	354.6037	0.07327	0.216865	0.337859	0.735469	0.957014	ENSMUSG0 Ptpn3
ENSMUSG0	379.0053	0.076642	0.226867	0.337826	0.735495	0.957014	ENSMUSG0 Pcdhga6

ENSMUSG0	655.0178	-0.07949	0.23533	-0.33778	0.735532	0.957014	ENSMUSG0 Abcc1
ENSMUSG0	55.93042	-0.12143	0.359527	-0.33774	0.735561	0.957014	ENSMUSG0 Car11
ENSMUSG0	29.63013	0.203584	0.602831	0.337712	0.73558	0.957014	ENSMUSG0 Prnd
ENSMUSG0	611.5757	-0.08537	0.252799	-0.3377	0.735587	0.957014	ENSMUSG0 Ppa2
ENSMUSG0	320.0721	0.074839	0.221642	0.337657	0.735622	0.957014	ENSMUSG0 Zscan2
ENSMUSG0	8.469862	-0.25206	0.746605	-0.33761	0.735656	0.957014	ENSMUSG0 Erich2
ENSMUSG0	1985.393	0.092136	0.272973	0.337527	0.73572	0.957014	ENSMUSG0 Ro60
ENSMUSG0	65.63668	0.106787	0.316399	0.337506	0.735735	0.957014	ENSMUSG06330415G1
ENSMUSG0	437.4196	-0.0608	0.180227	-0.33733	0.735868	0.957014	ENSMUSG0 Zfp131
ENSMUSG0	644.2589	0.123821	0.367061	0.33733	0.735868	0.957014	ENSMUSG0 H2-DMa
ENSMUSG0	1291.332	0.07729	0.229126	0.337326	0.735871	0.957014	ENSMUSG0 Plcg1
ENSMUSG0	15.16502	-0.16091	0.477037	-0.3373	0.73589	0.957014	ENSMUSG0 Gm16675
ENSMUSG0	394.2602	-0.04535	0.13446	-0.33727	0.73591	0.957014	ENSMUSG0 Riok2
ENSMUSG0	7087.238	-0.05263	0.156059	-0.33726	0.735918	0.957014	ENSMUSG0 Rhoa
ENSMUSG0	2470.432	-0.06314	0.18722	-0.33723	0.735945	0.957014	ENSMUSG0 Nf2
ENSMUSG0	618.7868	-0.09059	0.26871	-0.33712	0.736028	0.957014	ENSMUSG0 Nol8
ENSMUSG0	3.750232	0.376327	1.116492	0.337062	0.73607	0.957014	ENSMUSG0 Gm43006
ENSMUSG0	4.461307	0.372568	1.10539	0.337047	0.736082	0.957014	ENSMUSG0 Gm45548
ENSMUSG0	1485.089	-0.05251	0.155814	-0.337	0.736119	0.957014	ENSMUSG0 Pla2g6
ENSMUSG0	11.7257	0.173064	0.513563	0.336987	0.736127	0.957014	ENSMUSG0 Gm9625
ENSMUSG0	114.7928	0.18449	0.547473	0.336984	0.736129	0.957014	ENSMUSG0 Il1b
ENSMUSG0	4.78943	0.284305	0.843678	0.336983	0.73613	0.957014	ENSMUSG0 Zfp988
ENSMUSG0	5.293941	0.267629	0.794341	0.336919	0.736178	0.957014	ENSMUSG0 Gm8170
ENSMUSG0	33.42072	0.136788	0.406207	0.336743	0.73631	0.957014	ENSMUSG0 Pde1a
ENSMUSG0	79.55014	0.150739	0.447712	0.336687	0.736353	0.957014	ENSMUSG0 Rubcnl
ENSMUSG0	3.58722	-0.26093	0.775154	-0.33662	0.736405	0.957014	ENSMUSG0 Rps6-ps1
ENSMUSG0	29.31632	-0.16742	0.497461	-0.33654	0.736463	0.957014	ENSMUSG0 Gm42798
ENSMUSG0	132.3451	0.068441	0.203367	0.336541	0.736463	0.957014	ENSMUSG0 Cmc4
ENSMUSG0	533.4052	0.096656	0.287208	0.336536	0.736467	0.957014	ENSMUSG0 Dmtf1
ENSMUSG0	843.2797	0.055767	0.165822	0.336307	0.73664	0.957162	ENSMUSG0 Slc35a2
ENSMUSG0	23595.58	-0.06357	0.18906	-0.33624	0.736686	0.957162	ENSMUSG0 Rpl4
ENSMUSG0	344.5008	-0.06989	0.207889	-0.33619	0.73673	0.957162	ENSMUSG0 Bloc1s3
ENSMUSG0	5.990034	0.267733	0.796663	0.336068	0.73682	0.957185	ENSMUSG0 Gm42863
ENSMUSG0	96.61695	-0.08439	0.251153	-0.33601	0.736861	0.957185	ENSMUSG0 Ntrk1
ENSMUSG0	45.29886	-0.10095	0.30049	-0.33594	0.736915	0.957185	ENSMUSG0 Xrra1
ENSMUSG0	7.167716	-0.27428	0.816639	-0.33586	0.736976	0.957185	ENSMUSG0 H2ac13
ENSMUSG0	7.238669	-0.27142	0.808198	-0.33583	0.736996	0.957185	ENSMUSG0 Gm37035
ENSMUSG0	708.1967	0.169557	0.505147	0.335658	0.737128	0.957292	ENSMUSG0 H2-DMb2
ENSMUSG0	58.75866	0.145826	0.434558	0.335574	0.737192	0.957309	ENSMUSG0 Cdy12
ENSMUSG0	1056.412	-0.06315	0.188228	-0.3355	0.737251	0.957321	ENSMUSG0 Klf5
ENSMUSG0	6.116958	0.465542	1.388588	0.335263	0.737427	0.95736	ENSMUSG0 Gm3411
ENSMUSG0	4.242918	-0.32536	0.970561	-0.33523	0.737452	0.95736	ENSMUSG0 Crisp3
ENSMUSG0	2981.223	0.120215	0.35864	0.335198	0.737476	0.95736	ENSMUSG0 Ranbp2
ENSMUSG0	6.259188	-0.25415	0.758233	-0.33519	0.73748	0.95736	ENSMUSG0 Gm8738
ENSMUSG0	24.22798	-0.12039	0.359338	-0.33503	0.7376	0.957452	ENSMUSG0 Gm10602
ENSMUSG0	882.6385	-0.11741	0.350535	-0.33496	0.737656	0.957459	ENSMUSG0 Prxl2b
ENSMUSG0	1740.988	0.064166	0.191617	0.334868	0.737725	0.957479	ENSMUSG0 Marf1
ENSMUSG0	928.7624	-0.0584	0.174494	-0.33466	0.737882	0.957479	ENSMUSG0 Zkscan3
ENSMUSG0	865.5984	-0.07021	0.209897	-0.33448	0.73802	0.957479	ENSMUSG0 Hmbs
ENSMUSG0	48.88928	0.155278	0.464251	0.33447	0.738025	0.957479	ENSMUSG0 Ankrd9
ENSMUSG0	787.8367	-0.09852	0.294706	-0.3343	0.738152	0.957479	ENSMUSG0 Psmd9
ENSMUSG0	4.46077	0.327433	0.979769	0.334194	0.738233	0.957479	ENSMUSG0 Mstn

ENSMUSG0	3681.837	0.093478	0.279765	0.334129	0.738283	0.957479	ENSMUSG0 Tkt
ENSMUSG0	31.54446	0.159957	0.478753	0.334112	0.738295	0.957479	ENSMUSG0 Cep55
ENSMUSG0	5.957931	0.331288	0.991563	0.334107	0.738299	0.957479	ENSMUSG0 AI593442
ENSMUSG0	80.64743	0.336643	1.007594	0.334106	0.7383	0.957479	ENSMUSG0 Ugt1a1
ENSMUSG0	735.4559	-0.06979	0.20891	-0.33409	0.738315	0.957479	ENSMUSG0 Slc30a1
ENSMUSG0	4.057058	-0.29323	0.877761	-0.33407	0.738326	0.957479	ENSMUSG0 Gm15445
ENSMUSG0	49.97966	0.567248	1.698164	0.334036	0.738352	0.957479	ENSMUSG0 Gm6361
ENSMUSG0	27.91379	-0.14708	0.440697	-0.33375	0.73857	0.957479	ENSMUSG0 Misp3
ENSMUSG0	32.42065	-0.12361	0.370392	-0.33371	0.738595	0.957479	ENSMUSG0 Man2c1os
ENSMUSG0	190.8145	0.14889	0.446216	0.333673	0.738626	0.957479	ENSMUSG0 9930111J2
ENSMUSG0	948.3956	-0.05329	0.159752	-0.33361	0.738677	0.957479	ENSMUSG0 Tfe3
ENSMUSG0	370.3332	0.114411	0.34305	0.33351	0.73875	0.957479	ENSMUSG0 Mtr
ENSMUSG0	3.712328	0.274062	0.822255	0.333305	0.738904	0.957479	ENSMUSG0 Gm11478
ENSMUSG0	29.72792	0.268619	0.805969	0.333287	0.738918	0.957479	ENSMUSG0 Mx1
ENSMUSG0	1471.197	-0.06669	0.200137	-0.33324	0.738952	0.957479	ENSMUSG0 Zmpste24
ENSMUSG0	575.3196	0.062104	0.18641	0.33316	0.739014	0.957479	ENSMUSG0 Fut8
ENSMUSG0	811.2101	-0.04921	0.147733	-0.33307	0.739081	0.957479	ENSMUSG0 Gps2
ENSMUSG0	9.653651	-0.27974	0.839977	-0.33303	0.739112	0.957479	ENSMUSG0 Gm3667
ENSMUSG0	527.4542	0.078929	0.237024	0.333001	0.739134	0.957479	ENSMUSG0 Cdk17
ENSMUSG0	814.9609	0.081699	0.245371	0.332961	0.739164	0.957479	ENSMUSG0 Hsd17b10
ENSMUSG0	262.5562	0.068516	0.205781	0.332958	0.739166	0.957479	ENSMUSG0 Rad1
ENSMUSG0	68.50118	-0.13996	0.420369	-0.33296	0.739167	0.957479	ENSMUSG0 2810030D1
ENSMUSG0	271.6508	0.12901	0.387495	0.332932	0.739186	0.957479	ENSMUSG0 Neb1
ENSMUSG0	4295.635	-0.08928	0.268266	-0.33281	0.739279	0.957479	ENSMUSG0 Chd3
ENSMUSG0	241.2422	0.065912	0.198112	0.332703	0.739359	0.957479	ENSMUSG0 Nedd1
ENSMUSG0	3.390003	0.380889	1.144834	0.332702	0.739359	0.957479	ENSMUSG0 Gm42716
ENSMUSG0	6442.064	-0.10412	0.312984	-0.33267	0.739383	0.957479	ENSMUSG0 Rpl34
ENSMUSG0	2149.423	0.094728	0.284761	0.332658	0.739393	0.957479	ENSMUSG0 Ssb
ENSMUSG0	2051.651	0.050946	0.153188	0.332568	0.73946	0.957479	ENSMUSG0 Lzts2
ENSMUSG0	3533.31	0.088807	0.267038	0.332565	0.739463	0.957479	ENSMUSG0 Pkd1
ENSMUSG0	699.6297	0.158114	0.475615	0.332441	0.739557	0.957536	ENSMUSG0 Cd19
ENSMUSG0	4.503317	0.394173	1.185964	0.332365	0.739614	0.95754	ENSMUSG0 Tnip3
ENSMUSG0	534.0455	-0.05595	0.168373	-0.3323	0.739659	0.95754	ENSMUSG0 Tbck
ENSMUSG0	8191.4	0.054692	0.164671	0.332126	0.739794	0.957604	ENSMUSG0 Morf4l1
ENSMUSG0	695.2272	0.091863	0.276659	0.332046	0.739855	0.957604	ENSMUSG0 Med13l
ENSMUSG0	143.9922	0.101045	0.304314	0.332042	0.739858	0.957604	ENSMUSG0 Rhd
ENSMUSG0	7.617922	-0.25606	0.771472	-0.33191	0.739961	0.957634	ENSMUSG0 Mcmdc2
ENSMUSG0	8.053115	0.181169	0.545888	0.331879	0.739981	0.957634	ENSMUSG0 Gm671
ENSMUSG0	10.32376	0.267203	0.805371	0.331776	0.740058	0.95767	ENSMUSG0 Gm37716
ENSMUSG0	1248.453	0.042433	0.127987	0.331541	0.740236	0.957716	ENSMUSG0 Tpd52l2
ENSMUSG0	822.6472	0.074589	0.225007	0.331496	0.74027	0.957716	ENSMUSG0 Rp2
ENSMUSG0	1099.144	-0.05061	0.152686	-0.33148	0.740283	0.957716	ENSMUSG0 Hars
ENSMUSG0	174.7972	0.075952	0.229139	0.331465	0.740293	0.957716	ENSMUSG0 Zmym1
ENSMUSG0	4.99533	0.22179	0.669512	0.331271	0.74044	0.957744	ENSMUSG0 Sox30
ENSMUSG0	512.6807	0.07827	0.236284	0.331254	0.740453	0.957744	ENSMUSG0 Usp37
ENSMUSG0	1464.709	-0.08618	0.2602	-0.3312	0.740496	0.957744	ENSMUSG0 Gatad2b
ENSMUSG0	26.96548	0.160987	0.486171	0.331132	0.740545	0.957744	ENSMUSG0 Mfsd2a
ENSMUSG0	291.4685	-0.08808	0.266168	-0.33092	0.740704	0.957744	ENSMUSG0 Apip
ENSMUSG0	161.5549	0.069162	0.209032	0.330867	0.740745	0.957744	ENSMUSG0 Rnf180
ENSMUSG0	2505.786	-0.03597	0.108732	-0.33083	0.740775	0.957744	ENSMUSG0 Got2
ENSMUSG0	791.6562	0.052377	0.158375	0.330714	0.74086	0.957744	ENSMUSG0 Alas1
ENSMUSG0	3.777777	0.447498	1.353133	0.330713	0.740862	0.957744	ENSMUSG0 Trbv13-3

ENSMUSG0	249.515	0.150167	0.454189	0.330626	0.740927	0.957744	ENSMUSG0 Il10ra
ENSMUSG0	165.7737	0.119156	0.360537	0.330497	0.741025	0.957744	ENSMUSG0 Fabp5
ENSMUSG0	737.6068	-0.06427	0.194467	-0.33048	0.74104	0.957744	ENSMUSG0 Wdr48
ENSMUSG0	2535.218	-0.06388	0.193335	-0.33041	0.74109	0.957744	ENSMUSG0 Chid1
ENSMUSG0	56.02034	0.204292	0.618303	0.330407	0.741092	0.957744	ENSMUSG0 Syne3
ENSMUSG0	4.297359	-0.26279	0.795523	-0.33033	0.74115	0.957744	ENSMUSG0 Gm15590
ENSMUSG0	212.8022	0.123012	0.372602	0.330144	0.741291	0.957744	ENSMUSG0 Vamp5
ENSMUSG0	102.9455	-0.10597	0.321024	-0.33011	0.741318	0.957744	ENSMUSG0 Myct1
ENSMUSG0	446.7251	-0.10071	0.305093	-0.33009	0.741336	0.957744	ENSMUSG0 Chm
ENSMUSG0	1510.159	0.054325	0.164597	0.330046	0.741365	0.957744	ENSMUSG0 Kifbp
ENSMUSG0	8.861272	-0.36893	1.11784	-0.33004	0.741372	0.957744	ENSMUSG0 FasI
ENSMUSG0	143.7812	0.093517	0.283419	0.329958	0.741431	0.957744	ENSMUSG0 Adamts17
ENSMUSG0	1144.214	0.066125	0.200472	0.329847	0.741516	0.957744	ENSMUSG0 Selenon
ENSMUSG0	1051.019	0.048284	0.146432	0.329735	0.7416	0.957744	ENSMUSG0 Rnf19b
ENSMUSG0	387.0356	0.082788	0.251096	0.329704	0.741623	0.957744	ENSMUSG0 Ap4s1
ENSMUSG0	111.7837	-0.07799	0.236563	-0.32968	0.741641	0.957744	ENSMUSG0 Pars2
ENSMUSG0	3.748182	-0.33977	1.030655	-0.32967	0.74165	0.957744	ENSMUSG0 Gm12543
ENSMUSG0	75.93734	-0.13187	0.400054	-0.32963	0.741676	0.957744	ENSMUSG0 Adgrg3
ENSMUSG0	12.80291	-0.23828	0.723095	-0.32952	0.741761	0.957744	ENSMUSG0 Gm45137
ENSMUSG0	3.318396	0.350335	1.063298	0.329479	0.741793	0.957744	ENSMUSG0 Gm44036
ENSMUSG0	715.0989	-0.09263	0.281198	-0.32942	0.741841	0.957744	ENSMUSG0 Selenoh
ENSMUSG0	5.27671	0.310003	0.941132	0.329394	0.741858	0.957744	ENSMUSG0 Itga11
ENSMUSG0	412.0049	-0.07796	0.236777	-0.32926	0.741959	0.9578	ENSMUSG0 Mfsd6l
ENSMUSG0	830.8289	-0.07579	0.230255	-0.32918	0.742021	0.9578	ENSMUSG0 Ptpru
ENSMUSG0	166.6485	0.153327	0.465925	0.329081	0.742095	0.9578	ENSMUSG0 Pxdc1
ENSMUSG0	6.220115	-0.21125	0.641954	-0.32907	0.742101	0.9578	ENSMUSG0 Gm38160
ENSMUSG0	1631.823	-0.07659	0.23285	-0.32893	0.742206	0.957826	ENSMUSG0 Gm10123
ENSMUSG0	1580.095	-0.072	0.218898	-0.3289	0.742229	0.957826	ENSMUSG0 D8ErtD738e
ENSMUSG0	1640.642	-0.04338	0.131963	-0.32875	0.742342	0.957826	ENSMUSG0 Gmps
ENSMUSG0	3.402233	-0.32259	0.981684	-0.32861	0.742453	0.957826	ENSMUSG0 Gm20069
ENSMUSG0	1483.907	-0.09099	0.276941	-0.32857	0.742481	0.957826	ENSMUSG0 Ncoa2
ENSMUSG0	212.5806	-0.07152	0.217703	-0.32853	0.742511	0.957826	ENSMUSG0 Tmem216
ENSMUSG0	4.68146	0.360194	1.096811	0.328401	0.742608	0.957826	ENSMUSG0 Ces2b
ENSMUSG0	1744.524	0.060918	0.185544	0.328324	0.742666	0.957826	ENSMUSG0 Tnk2
ENSMUSG0	1861.574	-0.06357	0.193641	-0.3283	0.742685	0.957826	ENSMUSG0 Mrpl24
ENSMUSG0	105.8121	0.161666	0.492451	0.328288	0.742694	0.957826	ENSMUSG0 Stab2
ENSMUSG0	146.2227	0.077533	0.236183	0.328277	0.742702	0.957826	ENSMUSG0 Zfp125
ENSMUSG0	1737.875	-0.05902	0.179852	-0.32816	0.742792	0.957826	ENSMUSG0 Abhd17a
ENSMUSG0	2091.268	-0.08061	0.245641	-0.32816	0.742794	0.957826	ENSMUSG0 Nipbl
ENSMUSG0	2119.268	-0.10185	0.310443	-0.32807	0.742857	0.957826	ENSMUSG0 Ndufa7
ENSMUSG0	639.9178	0.082039	0.250075	0.328058	0.742868	0.957826	ENSMUSG0 Dennd1b
ENSMUSG0	9.168813	0.206942	0.631448	0.327726	0.743119	0.958086	ENSMUSG0 Gm14827
ENSMUSG0	87.62934	-0.10582	0.322975	-0.32764	0.74318	0.9581	ENSMUSG0 Lipt1
ENSMUSG0	2339.491	-0.09251	0.28279	-0.32712	0.743576	0.958428	ENSMUSG0 Cd200
ENSMUSG0	13.86657	-0.19367	0.592113	-0.32709	0.7436	0.958428	ENSMUSG0 A830052D1
ENSMUSG0	616.7008	-0.09121	0.278909	-0.32703	0.743643	0.958428	ENSMUSG0 Timm8b
ENSMUSG0	168.1152	-0.17605	0.538353	-0.32702	0.743655	0.958428	ENSMUSG0 Slc22a18
ENSMUSG0	37.00712	-0.10087	0.3085	-0.32696	0.743697	0.958428	ENSMUSG0 2810405F1
ENSMUSG0	195.8696	0.069753	0.213369	0.326911	0.743736	0.958428	ENSMUSG0 Dynlt1a
ENSMUSG0	49.405	-0.13502	0.413084	-0.32685	0.743783	0.958428	ENSMUSG0 Gm43778
ENSMUSG0	13.40337	0.343247	1.050424	0.32677	0.743842	0.95844	ENSMUSG0 Mid1-ps1
ENSMUSG0	4.968266	-0.2417	0.740235	-0.32651	0.744037	0.958626	ENSMUSG0 Gm15979

ENSMUSG0	4331.294	-0.04746	0.145409	-0.32638	0.744133	0.958687	ENSMUSG0 Vapb
ENSMUSG0	2265.643	0.046153	0.141516	0.326135	0.744322	0.958866	ENSMUSG0 Zbtb4
ENSMUSG0	435.3396	-0.04954	0.152096	-0.32574	0.744618	0.959182	ENSMUSG0 Mtap
ENSMUSG0	487.8867	-0.06961	0.21397	-0.32533	0.744935	0.959519	ENSMUSG0 Mxi1
ENSMUSG0	5824.214	-0.08936	0.274735	-0.32527	0.744979	0.959519	ENSMUSG0 Dnaja1
ENSMUSG0	2580.564	-0.04659	0.143292	-0.32516	0.745063	0.959562	ENSMUSG0 Etf1
ENSMUSG0	2720.101	0.073493	0.226106	0.325036	0.745154	0.959575	ENSMUSG0 Pkn1
ENSMUSG0	4372.999	-0.09366	0.288219	-0.32497	0.745204	0.959575	ENSMUSG0 Hdac5
ENSMUSG0	771.4931	0.080214	0.246853	0.324946	0.745222	0.959575	ENSMUSG0 Reps2
ENSMUSG0	293.0254	-0.09182	0.282771	-0.32473	0.745386	0.959703	ENSMUSG0 Dgat2
ENSMUSG0	492.4613	-0.08528	0.262647	-0.32468	0.745421	0.959703	ENSMUSG0 Tet2
ENSMUSG0	808.9484	-0.06625	0.204111	-0.32457	0.745506	0.959748	ENSMUSG0 Acvr1b
ENSMUSG0	582.8382	0.078545	0.242072	0.32447	0.745582	0.959781	ENSMUSG0 Mrpl34
ENSMUSG0	1213.102	0.075645	0.233203	0.324375	0.745654	0.95981	ENSMUSG0 Ebna1bp2
ENSMUSG0	3.565273	-0.33256	1.025951	-0.32414	0.745829	0.959888	ENSMUSG0 Gm37478
ENSMUSG0	685.2379	-0.05809	0.179214	-0.32411	0.745852	0.959888	ENSMUSG0 Pank2
ENSMUSG0	876.969	-0.06427	0.198434	-0.32389	0.746021	0.959888	ENSMUSG0Tmem185a
ENSMUSG0	680.0248	-0.078	0.240883	-0.32381	0.746084	0.959888	ENSMUSG0 Fam76b
ENSMUSG0	3025.152	0.060302	0.186309	0.323663	0.746193	0.959888	ENSMUSG0 Actr2
ENSMUSG0	111.8427	0.075657	0.233765	0.323645	0.746207	0.959888	ENSMUSG0 Gm42688
ENSMUSG0	7.693141	0.332408	1.028136	0.323311	0.74646	0.959888	ENSMUSG0 Igkv8-28
ENSMUSG0	1960.042	-0.04916	0.152084	-0.32327	0.746493	0.959888	ENSMUSG0 Atad1
ENSMUSG0	2903.458	0.075277	0.232865	0.323264	0.746495	0.959888	ENSMUSG0 Azin1
ENSMUSG0	7.1943	-0.23935	0.741019	-0.323	0.746699	0.959888	ENSMUSG0 Gm43031
ENSMUSG0	7.470612	0.472941	1.464423	0.322954	0.74673	0.959888	ENSMUSG0 Lrat
ENSMUSG0	351.5875	0.112083	0.347062	0.322948	0.746735	0.959888	ENSMUSG0 Degs2
ENSMUSG0	4190.543	0.085831	0.265776	0.322943	0.746738	0.959888	ENSMUSG0 Tln1
ENSMUSG0	967.8921	-0.05033	0.155844	-0.32294	0.746741	0.959888	ENSMUSG0 Ano8
ENSMUSG0	353.7246	0.085215	0.263947	0.32285	0.746809	0.959888	ENSMUSG0 Lama4
ENSMUSG0	1110.649	-0.05913	0.183157	-0.32284	0.746815	0.959888	ENSMUSG0 Rabggtb
ENSMUSG0	6.112652	0.286784	0.888414	0.322804	0.746844	0.959888	ENSMUSG0 1500012K0
ENSMUSG0	25.34489	-0.1145	0.354785	-0.32273	0.746898	0.959888	ENSMUSG0 Cct6b
ENSMUSG0	704.6956	0.084973	0.263423	0.322572	0.74702	0.959888	ENSMUSG0 Rnaseh2a
ENSMUSG0	13.39149	0.368441	1.142342	0.322532	0.74705	0.959888	ENSMUSG0 Pakap
ENSMUSG0	393.902	0.068746	0.213194	0.32246	0.747104	0.959888	ENSMUSG0 Wdpcp
ENSMUSG0	7.727622	0.286122	0.887521	0.322383	0.747163	0.959888	ENSMUSG0 Qprt
ENSMUSG0	1317.377	-0.06806	0.211117	-0.32237	0.747176	0.959888	ENSMUSG0 Itsn2
ENSMUSG0	2349.083	0.051932	0.161118	0.322322	0.747209	0.959888	ENSMUSG0 Rbm42
ENSMUSG0	14.14004	0.236601	0.734139	0.322284	0.747237	0.959888	ENSMUSG0 Ighv6-3
ENSMUSG0	737.2022	-0.05769	0.179048	-0.32221	0.74729	0.959888	ENSMUSG0 Large2
ENSMUSG0	2002.823	-0.07654	0.237544	-0.3222	0.747303	0.959888	ENSMUSG0 Flt1
ENSMUSG0	568.9663	-0.0859	0.266626	-0.32216	0.747328	0.959888	ENSMUSG0 Uqcc3
ENSMUSG0	221.9974	0.250427	0.777395	0.322137	0.747349	0.959888	ENSMUSG0 P2ry10
ENSMUSG0	40.50601	-0.16949	0.526195	-0.32211	0.747368	0.959888	ENSMUSG0 Gm38253
ENSMUSG0	1056.62	-0.05279	0.163905	-0.32207	0.747403	0.959888	ENSMUSG0 Ripk4
ENSMUSG0	1009.019	-0.08566	0.266053	-0.32198	0.747468	0.959888	ENSMUSG0 Rptor
ENSMUSG0	792.8967	0.080491	0.250033	0.32192	0.747513	0.959888	ENSMUSG0 Fbxo42
ENSMUSG0	14.94532	-0.54361	1.688984	-0.32186	0.747559	0.959888	ENSMUSG0 Ugt2b5
ENSMUSG0	389.7961	0.106182	0.330105	0.32166	0.74771	0.959888	ENSMUSG0 Fggy
ENSMUSG0	267.7046	-0.25036	0.778787	-0.32147	0.747854	0.959888	ENSMUSG0 Ig1c2
ENSMUSG0	1134.892	-0.097	0.301751	-0.32146	0.747861	0.959888	ENSMUSG0 Tmf1
ENSMUSG0	66.39934	-0.07733	0.240593	-0.32141	0.747902	0.959888	ENSMUSG0 Cpeb1os1

ENSMUSG0	2276.616	-0.05394	0.167854	-0.32135	0.747949	0.959888	ENSMUSG0 Nsd1
ENSMUSG0	61.27849	-0.11075	0.344728	-0.32127	0.748007	0.959888	ENSMUSG0 Gm43597
ENSMUSG0	105.781	0.205549	0.639808	0.321267	0.748008	0.959888	ENSMUSG0 Sntb1
ENSMUSG0	181.087	-0.26555	0.826563	-0.32127	0.748009	0.959888	ENSMUSG0 Car2
ENSMUSG0	98.45747	0.146223	0.455153	0.321261	0.748012	0.959888	ENSMUSG0 Il134
ENSMUSG0	10.2798	-0.18241	0.567861	-0.32123	0.748036	0.959888	ENSMUSG0 Gm15834
ENSMUSG0	498.8125	0.088407	0.275254	0.321182	0.748073	0.959888	ENSMUSG0 Ahsa2
ENSMUSG0	218.0951	-0.07679	0.239131	-0.32114	0.748103	0.959888	ENSMUSG0 Lrrc28
ENSMUSG0	1159.984	-0.07377	0.22975	-0.3211	0.748136	0.959888	ENSMUSG0 Prdx3
ENSMUSG0	6.876483	0.242812	0.75624	0.321078	0.748151	0.959888	ENSMUSG0 Gm36315
ENSMUSG0	3.806025	0.329469	1.02617	0.321067	0.74816	0.959888	ENSMUSG0 Rgs22
ENSMUSG0	402.5079	0.082749	0.257869	0.320896	0.748289	0.959936	ENSMUSG0 Pafah1b3
ENSMUSG0	174.9188	0.096234	0.300097	0.320677	0.748455	0.959936	ENSMUSG0 Zbtb34
ENSMUSG0	6.900539	-0.19779	0.616852	-0.32065	0.748479	0.959936	ENSMUSG0 4930534H1
ENSMUSG0	294.5766	0.103867	0.323957	0.320618	0.7485	0.959936	ENSMUSG0 Zfp407
ENSMUSG0	1327.294	-0.07405	0.231003	-0.32057	0.748537	0.959936	ENSMUSG0 Aspcscr1
ENSMUSG0	8.423342	0.246129	0.768	0.32048	0.748605	0.959936	ENSMUSG0 Gm14387
ENSMUSG0	578.5801	0.044448	0.138696	0.320474	0.748609	0.959936	ENSMUSG0 Tmem8b
ENSMUSG0	65.07193	-0.13947	0.435333	-0.32037	0.748686	0.959936	ENSMUSG0 D030028AC
ENSMUSG0	199.3067	0.113914	0.355618	0.320327	0.748721	0.959936	ENSMUSG0 Slc5a3
ENSMUSG0	7.542571	0.243238	0.759683	0.320184	0.748829	0.959936	ENSMUSG0 Myl1
ENSMUSG0	342.5155	0.120477	0.376291	0.32017	0.74884	0.959936	ENSMUSG0 Cracr2b
ENSMUSG0	2935.843	0.056725	0.177203	0.32011	0.748885	0.959936	ENSMUSG0 Vars
ENSMUSG0	1282.528	0.096244	0.300661	0.320109	0.748885	0.959936	ENSMUSG0 Rock2
ENSMUSG0	694.2579	0.05314	0.166013	0.320095	0.748896	0.959936	ENSMUSG0 Stxbp3
ENSMUSG0	1444.768	0.090273	0.282266	0.319814	0.749109	0.960041	ENSMUSG0 Pcm1
ENSMUSG0	1514.409	-0.09083	0.284036	-0.3198	0.74912	0.960041	ENSMUSG0 Trip11
ENSMUSG0	5.968411	-0.26897	0.841257	-0.31972	0.749178	0.960041	ENSMUSG0 Kcnj9
ENSMUSG0	129.8954	-0.07154	0.223985	-0.31939	0.749434	0.960041	ENSMUSG0 Zfp619
ENSMUSG0	834.2873	0.041716	0.130649	0.319299	0.7495	0.960041	ENSMUSG0 Rab33b
ENSMUSG0	659.1246	-0.06131	0.192013	-0.3193	0.749502	0.960041	ENSMUSG0 Naa10
ENSMUSG0	12.08538	0.202799	0.635169	0.319283	0.749512	0.960041	ENSMUSG0 Gm44187
ENSMUSG0	3107.493	0.079621	0.249385	0.319269	0.749522	0.960041	ENSMUSG0 Pten
ENSMUSG0	252.3949	0.100384	0.314461	0.319225	0.749556	0.960041	ENSMUSG0 Rbm12b1
ENSMUSG0	1934.51	0.070141	0.219744	0.319194	0.749579	0.960041	ENSMUSG0 Rab18
ENSMUSG0	392.6358	-0.10518	0.329513	-0.31919	0.749583	0.960041	ENSMUSG0 Scai
ENSMUSG0	116.1434	0.076782	0.240809	0.318851	0.749839	0.960041	ENSMUSG0 Zfp658
ENSMUSG0	6.186442	-0.33755	1.058814	-0.3188	0.749875	0.960041	ENSMUSG0 Ighv8-12
ENSMUSG0	71.63506	-0.07506	0.235495	-0.31871	0.749943	0.960041	ENSMUSG0 Tmem266
ENSMUSG0	62.31988	0.083157	0.260975	0.318641	0.749999	0.960041	ENSMUSG0 Cpne5
ENSMUSG0	203.3962	0.118801	0.372923	0.318568	0.750054	0.960041	ENSMUSG0 Ednrb
ENSMUSG0	67.2258	-0.13471	0.422848	-0.31857	0.750055	0.960041	ENSMUSG0 Ube2t
ENSMUSG0	34.84776	0.088925	0.279181	0.318521	0.75009	0.960041	ENSMUSG0 Fv1
ENSMUSG0	1104.724	0.046372	0.145617	0.31845	0.750144	0.960041	ENSMUSG0 Fads1
ENSMUSG0	22.18008	-0.20331	0.638496	-0.31842	0.750169	0.960041	ENSMUSG0 4930415O2
ENSMUSG0	23.26688	0.198868	0.624612	0.318387	0.750192	0.960041	ENSMUSG0 Ybx2
ENSMUSG0	18.99152	0.12864	0.40408	0.318351	0.750218	0.960041	ENSMUSG0 Gm10734
ENSMUSG0	7.960473	0.302402	0.950246	0.318236	0.750306	0.960041	ENSMUSG0 Cd209d
ENSMUSG0	931.3915	-0.11133	0.349954	-0.31812	0.750396	0.960041	ENSMUSG0 Hist1h2ap
ENSMUSG0	14.8512	-0.13748	0.432197	-0.31808	0.750421	0.960041	ENSMUSG0 Fth-ps2
ENSMUSG0	1519.184	-0.07152	0.224873	-0.31803	0.750459	0.960041	ENSMUSG0 Fmn2
ENSMUSG0	73.17276	0.116494	0.366343	0.317992	0.750491	0.960041	ENSMUSG0 Gm10130

ENSMUSG0	54.08725	0.324205	1.019615	0.317968	0.750509	0.960041	ENSMUSG0 B4galnt2
ENSMUSG0	1157.883	0.052331	0.16459	0.317948	0.750524	0.960041	ENSMUSG0 EtI4
ENSMUSG0	60.85996	-0.1241	0.39033	-0.31795	0.750525	0.960041	ENSMUSG0 Stard6
ENSMUSG0	1619.055	-0.12954	0.407653	-0.31778	0.750651	0.960079	ENSMUSG0 Smg1
ENSMUSG0	708.8506	0.052017	0.163715	0.317726	0.750693	0.960079	ENSMUSG0 Ccnk
ENSMUSG0	610.7379	0.094868	0.298599	0.317711	0.750704	0.960079	ENSMUSG0 Lig1
ENSMUSG0	4.204011	0.333963	1.051438	0.317625	0.750769	0.960098	ENSMUSG0 Gm43541
ENSMUSG0	129.6242	-0.0808	0.254431	-0.31755	0.750824	0.960105	ENSMUSG0 Map10
ENSMUSG0	5839.961	0.127737	0.402401	0.317437	0.750912	0.960153	ENSMUSG0 Atp5h
ENSMUSG0	4169.429	0.149065	0.469709	0.317356	0.750973	0.960168	ENSMUSG0 B2m
ENSMUSG0	548.3513	-0.07418	0.233872	-0.31719	0.751099	0.960203	ENSMUSG0 Rhobtb3
ENSMUSG0	1151.405	-0.05279	0.16644	-0.31715	0.751131	0.960203	ENSMUSG0 Psmd12
ENSMUSG0	2620.394	-0.10611	0.33461	-0.31712	0.75115	0.960203	ENSMUSG0 Cox6c
ENSMUSG0	206.5703	0.07029	0.221835	0.316858	0.751352	0.960213	ENSMUSG0 Trim34a
ENSMUSG0	152.6378	0.071998	0.227225	0.316856	0.751353	0.960213	ENSMUSG0 Zbtb9
ENSMUSG0	7.97209	-0.21215	0.66962	-0.31682	0.751383	0.960213	ENSMUSG0 Gm37724
ENSMUSG0	885.8695	-0.10779	0.340491	-0.31658	0.751563	0.960213	ENSMUSG0 Setd1b
ENSMUSG0	1614.068	0.070294	0.222044	0.316577	0.751564	0.960213	ENSMUSG0 Mtss2
ENSMUSG0	2173.328	0.067653	0.213709	0.316565	0.751574	0.960213	ENSMUSG0 Zmynd11
ENSMUSG0	7.585959	-0.1945	0.614403	-0.31656	0.751575	0.960213	ENSMUSG0 Gm48949
ENSMUSG0	2898.437	-0.13515	0.427135	-0.31641	0.751693	0.960213	ENSMUSG0 Atp5md
ENSMUSG0	60.1446	-0.17275	0.54611	-0.31633	0.751749	0.960213	ENSMUSG0 Cdca2
ENSMUSG0	692.7414	0.056478	0.178623	0.316184	0.751863	0.960213	ENSMUSG0 Tbccl
ENSMUSG0	597.2876	0.076862	0.243095	0.316181	0.751865	0.960213	ENSMUSG0 Clec16a
ENSMUSG0	109.2458	0.091498	0.289438	0.316122	0.75191	0.960213	ENSMUSG0 2410021H0
ENSMUSG0	1291.763	0.087636	0.277244	0.316098	0.751928	0.960213	ENSMUSG0 Lurap1l
ENSMUSG0	4.342725	-0.28802	0.911533	-0.31597	0.752024	0.960213	ENSMUSG0 Gm4610
ENSMUSG0	3.248267	0.439136	1.390049	0.315914	0.752068	0.960213	ENSMUSG0 Gm36933
ENSMUSG0	25.79175	-0.14592	0.461967	-0.31587	0.752099	0.960213	ENSMUSG0 Gm26788
ENSMUSG0	3.304992	-0.70911	2.245064	-0.31585	0.752115	0.960213	ENSMUSG0 Clca3b
ENSMUSG0	1398.919	0.099827	0.316062	0.315845	0.75212	0.960213	ENSMUSG0 Tmem245
ENSMUSG0	192.6561	0.067023	0.212316	0.315673	0.752251	0.960213	ENSMUSG0 Rab19
ENSMUSG0	8.924132	0.334045	1.058329	0.315635	0.75228	0.960213	ENSMUSG0 Sp5
ENSMUSG0	946.8781	0.075461	0.239163	0.315523	0.752365	0.960213	ENSMUSG0 Mob1a
ENSMUSG0	858.9628	0.064209	0.203523	0.315486	0.752392	0.960213	ENSMUSG0 Ppp4r1
ENSMUSG0	9.329575	0.219103	0.694621	0.315428	0.752437	0.960213	ENSMUSG0 Gm13166
ENSMUSG0	1272.636	-0.09257	0.293505	-0.31541	0.752454	0.960213	ENSMUSG0 Rc3h2
ENSMUSG0	513.6512	-0.08868	0.281179	-0.3154	0.752456	0.960213	ENSMUSG0 Tmem101
ENSMUSG0	6.012886	-0.26829	0.850798	-0.31534	0.752501	0.960213	ENSMUSG0 Gm34552
ENSMUSG0	41.5906	-0.09117	0.289148	-0.31532	0.752519	0.960213	ENSMUSG0 Zbtb3
ENSMUSG0	31.49167	0.137213	0.435222	0.315271	0.752556	0.960213	ENSMUSG0 Gna15
ENSMUSG0	15.03558	0.172479	0.547214	0.315195	0.752614	0.960223	ENSMUSG0 Irx3
ENSMUSG0	247.6913	-0.08898	0.282408	-0.31507	0.752711	0.96025	ENSMUSG0 Pus7
ENSMUSG0	2816.424	0.050627	0.160707	0.315027	0.752741	0.96025	ENSMUSG0 Hdac11
ENSMUSG0	598.7996	0.05145	0.16335	0.314968	0.752786	0.96025	ENSMUSG0 Zfp821
ENSMUSG0	727.9571	0.049515	0.15726	0.314862	0.752866	0.96025	ENSMUSG0 Cstf2
ENSMUSG0	46.71319	-0.21337	0.677782	-0.3148	0.752911	0.96025	ENSMUSG0 Ifi211
ENSMUSG0	1683.75	0.075903	0.241201	0.314689	0.752998	0.96025	ENSMUSG0 Ppp4r2
ENSMUSG0	320.2529	0.060466	0.192149	0.314682	0.753003	0.96025	ENSMUSG0 Rgs7
ENSMUSG0	1035.249	0.069136	0.219804	0.314533	0.753116	0.96025	ENSMUSG0 Gtf2b
ENSMUSG0	31.26592	-0.10534	0.334988	-0.31447	0.753166	0.96025	ENSMUSG0 Glis1
ENSMUSG0	333.0373	0.07465	0.237386	0.314466	0.753167	0.96025	ENSMUSG0 Zfp322a

ENSMUSG0	515.1092	0.067498	0.214685	0.314404	0.753214	0.96025	ENSMUSG0 Ccdc137
ENSMUSG0	172.4211	-0.10372	0.329912	-0.31438	0.753234	0.96025	ENSMUSG0 Zfp40
ENSMUSG0	1109.241	0.062072	0.197485	0.314312	0.753284	0.96025	ENSMUSG0 Zgpat
ENSMUSG0	1052.687	-0.06266	0.199451	-0.31417	0.75339	0.960321	ENSMUSG0 Cfap410
ENSMUSG0	177.1606	0.084488	0.269016	0.314063	0.753473	0.960321	ENSMUSG0 Il18bp
ENSMUSG0	1036.563	0.303044	0.965757	0.313789	0.753681	0.960321	ENSMUSG0 Jchain
ENSMUSG0	3.259402	-0.34492	1.099275	-0.31377	0.753695	0.960321	ENSMUSG0 Gm13620
ENSMUSG0	1809.79	0.051734	0.164897	0.313736	0.753722	0.960321	ENSMUSG0 Scamp1
ENSMUSG0	524.1975	0.040684	0.129689	0.313708	0.753743	0.960321	ENSMUSG0 Fam118a
ENSMUSG0	366.1609	0.047479	0.151355	0.313692	0.753755	0.960321	ENSMUSG0 Daglb
ENSMUSG0	1004.816	0.054336	0.173275	0.313581	0.75384	0.960321	ENSMUSG0 Fam98a
ENSMUSG0	123.9248	0.142683	0.45508	0.313532	0.753876	0.960321	ENSMUSG0 Zfp366
ENSMUSG0	4513.733	-0.05337	0.170274	-0.31341	0.753966	0.960321	ENSMUSG0 Tmed4
ENSMUSG0	1285.419	0.046795	0.149328	0.313371	0.753999	0.960321	ENSMUSG0 Rhbdd2
ENSMUSG0	621.4493	0.068791	0.219573	0.313295	0.754057	0.960321	ENSMUSG0 Asb6
ENSMUSG0	428.9118	-0.06709	0.214153	-0.31327	0.754079	0.960321	ENSMUSG0 Rpgr
ENSMUSG0	2324.021	0.065042	0.207632	0.313257	0.754085	0.960321	ENSMUSG0 Clcn3
ENSMUSG0	586.4532	0.070005	0.223521	0.313192	0.754135	0.960321	ENSMUSG0 Bicd2
ENSMUSG0	677.5389	-0.05381	0.171885	-0.31306	0.754233	0.960321	ENSMUSG0 Prelid3b
ENSMUSG0	593.4496	-0.03845	0.122824	-0.31305	0.754241	0.960321	ENSMUSG0 Bpgm
ENSMUSG0	23.37181	0.183563	0.586369	0.31305	0.754243	0.960321	ENSMUSG0 Scn4a
ENSMUSG0	387.8329	-0.06469	0.206703	-0.31296	0.754308	0.960321	ENSMUSG0 Hgh1
ENSMUSG0	2718.119	-0.06505	0.207931	-0.31285	0.754397	0.960321	ENSMUSG0 Dsp
ENSMUSG0	654.1802	-0.05267	0.168355	-0.31283	0.754408	0.960321	ENSMUSG0 Rmi1
ENSMUSG0	3850.873	-0.11466	0.366563	-0.31279	0.754438	0.960321	ENSMUSG0 Uqcrh
ENSMUSG0	2073.393	0.055163	0.176431	0.312659	0.75454	0.96036	ENSMUSG0 Fem1b
ENSMUSG0	30.04698	0.134247	0.429425	0.31262	0.754569	0.96036	ENSMUSG0 Gm10687
ENSMUSG0	72.35451	-0.13257	0.424149	-0.31255	0.754619	0.96036	ENSMUSG0 Dqx1
ENSMUSG0	140.3898	0.064962	0.207963	0.312372	0.754758	0.960455	ENSMUSG0 Fam161b
ENSMUSG0	22.65256	0.211557	0.67736	0.312326	0.754793	0.960455	ENSMUSG0 Slc35f2
ENSMUSG0	158.131	0.090695	0.29055	0.312149	0.754927	0.960545	ENSMUSG0 Nckap5l
ENSMUSG0	784.7114	-0.08129	0.260468	-0.3121	0.754964	0.960545	ENSMUSG0 Atxn1l
ENSMUSG0	876.5794	0.068433	0.219316	0.312028	0.755019	0.960553	ENSMUSG0 Ssx2ip
ENSMUSG0	626.3772	-0.0598	0.191802	-0.31177	0.755215	0.960724	ENSMUSG0 Rgl1
ENSMUSG0	902.0556	-0.05346	0.171494	-0.31172	0.755254	0.960724	ENSMUSG0 Prr14
ENSMUSG0	1036.787	-0.06434	0.206542	-0.31149	0.755431	0.960885	ENSMUSG0 Tmem63b
ENSMUSG0	27.31969	-0.15511	0.498182	-0.31136	0.75553	0.960899	ENSMUSG0 9530018F0
ENSMUSG0	127.1781	-0.1055	0.338851	-0.31134	0.755542	0.960899	ENSMUSG0 Pot1b
ENSMUSG0	21.83016	-0.12585	0.404345	-0.31125	0.755613	0.960926	ENSMUSG0 Zfp85os
ENSMUSG0	30.39599	-0.10911	0.350827	-0.31101	0.755795	0.961012	ENSMUSG0 H4c14
ENSMUSG0	407.1424	0.085147	0.273799	0.310985	0.755812	0.961012	ENSMUSG0 Nr4a2
ENSMUSG0	10.02362	-0.24759	0.796213	-0.31096	0.75583	0.961012	ENSMUSG0 Gm5464
ENSMUSG0	24.15248	0.21534	0.692643	0.310896	0.75588	0.961012	ENSMUSG0 Igkv8-30
ENSMUSG0	924.8549	-0.06937	0.223203	-0.31078	0.755968	0.96106	ENSMUSG0 Snx13
ENSMUSG0	849.1981	-0.07203	0.231853	-0.31065	0.756065	0.961077	ENSMUSG0 Tle1
ENSMUSG0	130.0541	0.087122	0.280467	0.310631	0.756081	0.961077	ENSMUSG0 1810014B0
ENSMUSG0	2446.509	-0.0854	0.275254	-0.31027	0.756353	0.961278	ENSMUSG0 Ncor2
ENSMUSG0	9143.29	0.062705	0.202114	0.310245	0.756374	0.961278	ENSMUSG0 Ucp2
ENSMUSG0	3.326966	0.305396	0.985029	0.310038	0.756532	0.961278	ENSMUSG0 Gm6139
ENSMUSG0	1204.792	0.121886	0.393213	0.309975	0.75658	0.961278	ENSMUSG0 Gm12481
ENSMUSG0	516.575	-0.05632	0.181694	-0.30997	0.756585	0.961278	ENSMUSG0 Crem
ENSMUSG0	1621.783	-0.04567	0.147398	-0.30985	0.756675	0.961278	ENSMUSG0 Ptpra

ENSMUSG0	978.2877	-0.14663	0.473279	-0.30982	0.7567	0.961278	ENSMUSG0	Ndufa5
ENSMUSG0	3.446757	0.358281	1.156482	0.309802	0.756711	0.961278	ENSMUSG0	Gm6136
ENSMUSG0	1012.351	0.048234	0.155696	0.309793	0.756718	0.961278	ENSMUSG0	Uqcc1
ENSMUSG0	568.284	-0.06302	0.203586	-0.30955	0.7569	0.961278	ENSMUSG0	Surf6
ENSMUSG0	7475.686	0.114905	0.371206	0.309546	0.756906	0.961278	ENSMUSG0	Rps6-ps4
ENSMUSG0	4916.101	-0.06248	0.201874	-0.30952	0.756929	0.961278	ENSMUSG0	Kif1a
ENSMUSG0	2723.294	-0.06732	0.217519	-0.30949	0.756946	0.961278	ENSMUSG0	Ube2r2
ENSMUSG0	1062.447	0.082197	0.265626	0.309447	0.756981	0.961278	ENSMUSG0	Pnp
ENSMUSG0	929.0077	-0.09193	0.297093	-0.30943	0.756995	0.961278	ENSMUSG0	Mrpl11
ENSMUSG0	416.5256	0.077129	0.249309	0.309371	0.757039	0.961278	ENSMUSG0	Fah
ENSMUSG0	103.5658	-0.0894	0.289042	-0.3093	0.757097	0.961288	ENSMUSG0	Cdc45
ENSMUSG0	694.76	-0.04898	0.158491	-0.30904	0.757295	0.961384	ENSMUSG0	Mief1
ENSMUSG0	479.6392	0.180871	0.585361	0.308991	0.757328	0.961384	ENSMUSG0	Ptprcap
ENSMUSG0	1463.69	-0.05021	0.162537	-0.30893	0.757376	0.961384	ENSMUSG0	R3hdm4
ENSMUSG0	15.00785	-0.16475	0.533322	-0.30891	0.757387	0.961384	ENSMUSG0	Cyp27b1
ENSMUSG0	966.3316	-0.04199	0.135933	-0.30887	0.757422	0.961384	ENSMUSG0	Nampt
ENSMUSG0	3.242717	0.298991	0.968406	0.308746	0.757515	0.961388	ENSMUSG0	Gm5898
ENSMUSG0	4669.901	-0.04711	0.152639	-0.30866	0.757581	0.961388	ENSMUSG0	Hnrnpab
ENSMUSG0	71.67637	0.088443	0.286557	0.30864	0.757595	0.961388	ENSMUSG0	Lrrtm4
ENSMUSG0	38.79965	-0.12596	0.408196	-0.30858	0.757642	0.961388	ENSMUSG0	Gm30122
ENSMUSG0	82.32548	0.088227	0.285954	0.308535	0.757676	0.961388	ENSMUSG0	Gm8437
ENSMUSG0	5.997801	0.244508	0.793149	0.308275	0.757873	0.961548	ENSMUSG0	Gm45694
ENSMUSG0	8.795778	0.21036	0.68246	0.308238	0.757901	0.961548	ENSMUSG0	Gm42064
ENSMUSG0	2714.078	0.055948	0.181572	0.308133	0.757981	0.961585	ENSMUSG0	Atp6v1h
ENSMUSG0	16.42285	0.202981	0.659179	0.30793	0.758135	0.961718	ENSMUSG0	Kif14
ENSMUSG0	17.65648	-0.15523	0.504377	-0.30777	0.758259	0.961812	ENSMUSG0	K230015D0
ENSMUSG0	127.9724	0.156929	0.510468	0.307423	0.758522	0.961854	ENSMUSG0	Lancl3
ENSMUSG0	255.5746	0.103054	0.33524	0.307402	0.758537	0.961854	ENSMUSG0	Zfp729b
ENSMUSG0	3.474123	-0.34975	1.138057	-0.30732	0.758596	0.961854	ENSMUSG0	D130062J1I
ENSMUSG0	441.1831	0.054741	0.178128	0.307316	0.758603	0.961854	ENSMUSG0	Sec22c
ENSMUSG0	444.7935	0.050176	0.163319	0.307229	0.758669	0.961854	ENSMUSG0	Pgap2
ENSMUSG0	297.5852	-0.0416	0.135439	-0.30711	0.758756	0.961854	ENSMUSG0	Zkscan14
ENSMUSG0	26.83922	-0.1228	0.399877	-0.3071	0.758768	0.961854	ENSMUSG0	I110017D1
ENSMUSG0	23.66836	-0.12856	0.418846	-0.30694	0.75889	0.961854	ENSMUSG0	Brd8dc
ENSMUSG0	24.10779	-0.1464	0.477018	-0.30692	0.758907	0.961854	ENSMUSG0	Gm28229
ENSMUSG0	44.38634	0.119115	0.388137	0.306889	0.758928	0.961854	ENSMUSG0	Nlgn1
ENSMUSG0	18.89607	0.157274	0.512617	0.306807	0.75899	0.961854	ENSMUSG0	Nod2
ENSMUSG0	2.934928	0.336826	1.098064	0.306746	0.759037	0.961854	ENSMUSG0	Htr2b
ENSMUSG0	5.332038	-0.337	1.098738	-0.30672	0.759059	0.961854	ENSMUSG0	Gm42969
ENSMUSG0	1058.199	-0.03291	0.107306	-0.30667	0.759098	0.961854	ENSMUSG0	Endod1
ENSMUSG0	5.267936	-0.22506	0.73404	-0.3066	0.759144	0.961854	ENSMUSG0	Cpa6
ENSMUSG0	172.811	0.106966	0.348925	0.306558	0.75918	0.961854	ENSMUSG0	Gja4
ENSMUSG0	125.2232	0.079495	0.259376	0.306484	0.759236	0.961854	ENSMUSG0	Tbc1d2
ENSMUSG0	6.205604	0.331462	1.081878	0.306376	0.759318	0.961854	ENSMUSG0	Itih3
ENSMUSG0	411.274	-0.04954	0.161692	-0.30636	0.759333	0.961854	ENSMUSG0	Rfxank
ENSMUSG0	422.7196	-0.05902	0.192701	-0.3063	0.759375	0.961854	ENSMUSG0	Gm20604
ENSMUSG0	2041.656	0.079069	0.258145	0.306296	0.759379	0.961854	ENSMUSG0	Zmiz2
ENSMUSG0	7.013847	0.212981	0.695383	0.306279	0.759393	0.961854	ENSMUSG0	Vinac1
ENSMUSG0	449.5988	0.060947	0.199138	0.306053	0.759565	0.962008	ENSMUSG0	Synj2
ENSMUSG0	684.4117	0.106115	0.346798	0.305985	0.759616	0.96201	ENSMUSG0	Uba7
ENSMUSG0	3.426453	0.338727	1.107912	0.305734	0.759807	0.962068	ENSMUSG0	Gm47857
ENSMUSG0	5.752986	0.243758	0.797548	0.305634	0.759883	0.962068	ENSMUSG0	Gm47621

ENSMUSG0	9.66059	0.274971	0.900467	0.305365	0.760088	0.962068	ENSMUSG0 Trbv1
ENSMUSG0	94.53847	0.329427	1.078954	0.305321	0.760122	0.962068	ENSMUSG0 Cyp1b1
ENSMUSG0	4.41592	0.253567	0.830788	0.305212	0.760204	0.962068	ENSMUSG0 Ppef2
ENSMUSG0	49.95373	0.115378	0.378037	0.305202	0.760212	0.962068	ENSMUSG0 Actrt3
ENSMUSG0	1963.406	0.05356	0.175552	0.305097	0.760292	0.962068	ENSMUSG0 Stx12
ENSMUSG0	4.32822	0.261936	0.858652	0.305055	0.760325	0.962068	ENSMUSG0 Gm43800
ENSMUSG0	158.765	-0.06315	0.207022	-0.30505	0.760325	0.962068	ENSMUSG02700097OC
ENSMUSG0	528.4501	0.097922	0.321233	0.30483	0.760496	0.962068	ENSMUSG0 Shprh
ENSMUSG0	581.45	-0.06577	0.215844	-0.30469	0.760599	0.962068	ENSMUSG0 Ppan
ENSMUSG0	3467.581	0.039355	0.129211	0.304584	0.760683	0.962068	ENSMUSG0 Cct8
ENSMUSG0	1861.555	-0.07873	0.258568	-0.30449	0.760758	0.962068	ENSMUSG0 Chtf8
ENSMUSG0	167.9753	-0.09279	0.305107	-0.30412	0.761039	0.962068	ENSMUSG0 R74862
ENSMUSG0	561.3463	-0.04886	0.160676	-0.30412	0.76104	0.962068	ENSMUSG0 Dnajc16
ENSMUSG0	8.393567	0.182998	0.601753	0.304108	0.761045	0.962068	ENSMUSG0 Dipk2b
ENSMUSG0	6.684313	0.204442	0.672818	0.30386	0.761235	0.962068	ENSMUSG0 Gm49706
ENSMUSG0	5.010772	0.276796	0.911225	0.303763	0.761309	0.962068	ENSMUSG0 Gm7600
ENSMUSG0	432.2072	0.056116	0.184743	0.303754	0.761315	0.962068	ENSMUSG0 Nop16
ENSMUSG0	143.1166	-0.05975	0.196776	-0.30363	0.761411	0.962068	ENSMUSG02900052L11
ENSMUSG0	369.1941	0.072762	0.239647	0.303622	0.761416	0.962068	ENSMUSG02010315B0
ENSMUSG0	491.3424	-0.07178	0.236423	-0.30362	0.761416	0.962068	ENSMUSG0 Sfi1
ENSMUSG0	21.62961	0.194614	0.641034	0.303594	0.761437	0.962068	ENSMUSG0 Gm47761
ENSMUSG0	721.8342	0.0497	0.16384	0.303344	0.761628	0.962068	ENSMUSG0 Map4k3
ENSMUSG0	21.4776	-0.12707	0.418986	-0.30329	0.761669	0.962068	ENSMUSG04930532G1
ENSMUSG0	13.54524	0.188165	0.620528	0.303234	0.761712	0.962068	ENSMUSG0 Gm10040
ENSMUSG0	96.47836	0.095356	0.314519	0.30318	0.761753	0.962068	ENSMUSG0 Slc2a6
ENSMUSG0	8.589885	0.162597	0.536694	0.30296	0.761921	0.962068	ENSMUSG0 Gm47644
ENSMUSG0	17.38344	0.147262	0.486211	0.302877	0.761984	0.962068	ENSMUSG0D530018E2
ENSMUSG0	528.8011	0.052363	0.172896	0.30286	0.761996	0.962068	ENSMUSG0 Pigm
ENSMUSG0	855.0065	0.09162	0.302532	0.302844	0.762009	0.962068	ENSMUSG0 Psd3
ENSMUSG0	645.3181	0.080314	0.265248	0.302789	0.762051	0.962068	ENSMUSG0 Ndufaf7
ENSMUSG0	509.8673	-0.07257	0.239729	-0.30273	0.762097	0.962068	ENSMUSG0 Znrd1
ENSMUSG0	286.0436	0.124245	0.410432	0.302718	0.762104	0.962068	ENSMUSG0 Fancm
ENSMUSG0	881.4732	0.046319	0.153023	0.302697	0.762121	0.962068	ENSMUSG0 Ppp2r1b
ENSMUSG0	327.6987	0.063387	0.209482	0.30259	0.762202	0.962068	ENSMUSG0 Plekha7
ENSMUSG0	1474.449	0.062258	0.205767	0.302563	0.762223	0.962068	ENSMUSG0 Plod3
ENSMUSG0	5150.025	0.052185	0.172483	0.302549	0.762234	0.962068	ENSMUSG0 Serbp1
ENSMUSG0	81.38116	0.060496	0.200058	0.302392	0.762353	0.962068	ENSMUSG0C530005A1
ENSMUSG0	3.66034	-0.26255	0.868274	-0.30238	0.762364	0.962068	ENSMUSG0 Gm12249
ENSMUSG0	176.9157	0.09816	0.324708	0.302303	0.762421	0.962068	ENSMUSG0 Zfp81
ENSMUSG0	11.78011	-0.32405	1.071982	-0.30229	0.762434	0.962068	ENSMUSG0 Ighv1-7
ENSMUSG0	1253.439	0.052051	0.172202	0.30227	0.762446	0.962068	ENSMUSG0 Dhx36
ENSMUSG0	2605.01	-0.05874	0.194333	-0.30225	0.762459	0.962068	ENSMUSG0 Rbm5
ENSMUSG0	693.8616	0.051267	0.169634	0.302222	0.762483	0.962068	ENSMUSG0 Kif2a
ENSMUSG0	236.2608	0.094906	0.314065	0.302185	0.762511	0.962068	ENSMUSG0 Ly6h
ENSMUSG0	30.09257	0.158227	0.523656	0.302158	0.762532	0.962068	ENSMUSG0 Gm37123
ENSMUSG0	9.082626	0.68411	2.264267	0.302133	0.762551	0.962068	ENSMUSG0 Gm49037
ENSMUSG0	15.3009	-0.14077	0.466066	-0.30205	0.762617	0.962068	ENSMUSG02700038G2
ENSMUSG0	209.933	0.093774	0.310503	0.302006	0.762647	0.962068	ENSMUSG0 Svpb
ENSMUSG0	1467.013	0.081339	0.26935	0.301984	0.762665	0.962068	ENSMUSG0 Zc3h4
ENSMUSG0	1094.513	-0.08435	0.279342	-0.30195	0.762687	0.962068	ENSMUSG0 Rfc2
ENSMUSG0	73.48399	0.176496	0.584627	0.301895	0.762732	0.962068	ENSMUSG0 Slfn8
ENSMUSG0	24.61784	-0.17832	0.590757	-0.30185	0.762768	0.962068	ENSMUSG0 Ms4a4d

ENSMUSG0	111.8456	-0.15343	0.508408	-0.30179	0.762813	0.962068	ENSMUSG0 Gm26532
ENSMUSG0	1586.384	0.048378	0.160308	0.301782	0.762818	0.962068	ENSMUSG0 Slc37a3
ENSMUSG0	1737.194	0.090518	0.300034	0.301692	0.762887	0.962068	ENSMUSG0 Col4a3bp
ENSMUSG0	635.8185	-0.07746	0.256764	-0.30167	0.762903	0.962068	ENSMUSG0 Kdm4c
ENSMUSG0	231.5983	-0.13722	0.45491	-0.30163	0.762931	0.962068	ENSMUSG0 Tmsb15b1
ENSMUSG0	5.616491	-0.24873	0.824699	-0.3016	0.762959	0.962068	ENSMUSG0 Gm43797
ENSMUSG0	650.3829	0.160586	0.532583	0.301523	0.763016	0.962068	ENSMUSG0 Adnp
ENSMUSG0	27.54232	-0.20586	0.682854	-0.30146	0.76306	0.962068	ENSMUSG0 Ccr6
ENSMUSG0	2794.121	-0.05039	0.167197	-0.30137	0.763131	0.962068	ENSMUSG0 Phc2
ENSMUSG0	28.84756	-0.13692	0.454373	-0.30134	0.763152	0.962068	ENSMUSG0 C6430590A0
ENSMUSG0	766.6615	-0.09977	0.331144	-0.30128	0.7632	0.962068	ENSMUSG0 Cryz12
ENSMUSG0	1283.828	-0.05084	0.16875	-0.30126	0.763216	0.962068	ENSMUSG0 Terf2
ENSMUSG0	2440.76	0.046638	0.154836	0.30121	0.763254	0.962068	ENSMUSG0 Clic4
ENSMUSG0	511.9328	-0.16541	0.549201	-0.30118	0.763274	0.962068	ENSMUSG0 Pax5
ENSMUSG0	2.945371	-0.31702	1.053047	-0.30105	0.763374	0.962068	ENSMUSG0 Gm48996
ENSMUSG0	5.896083	0.34793	1.155728	0.301048	0.763378	0.962068	ENSMUSG0 Trgc4
ENSMUSG0	101.3792	0.143297	0.476116	0.30097	0.763438	0.962068	ENSMUSG0 Cd84
ENSMUSG0	326.9258	-0.09815	0.326108	-0.30097	0.76344	0.962068	ENSMUSG0 Dgkh
ENSMUSG0	28.53385	-0.127	0.422097	-0.30088	0.763503	0.962068	ENSMUSG0 Trip13
ENSMUSG0	3.956076	0.265696	0.883113	0.300863	0.763519	0.962068	ENSMUSG0 Gm14027
ENSMUSG0	1453.393	-0.05127	0.17046	-0.30076	0.763601	0.962068	ENSMUSG0 Wdr11
ENSMUSG0	1365.911	-0.04543	0.15109	-0.30071	0.763634	0.962068	ENSMUSG0 Hs6st1
ENSMUSG0	12.92557	0.144905	0.48192	0.300682	0.763657	0.962068	ENSMUSG0 Gabrd
ENSMUSG0	8.877235	-0.20459	0.680485	-0.30065	0.763685	0.962068	ENSMUSG0 Lrrc2
ENSMUSG0	21.9465	0.153088	0.509202	0.300642	0.763687	0.962068	ENSMUSG0 Snx22
ENSMUSG0	453.5641	-0.07942	0.264186	-0.30061	0.763712	0.962068	ENSMUSG0 Bloc1s5
ENSMUSG0	26.37924	-0.14279	0.475152	-0.30052	0.76378	0.96209	ENSMUSG0 Mia
ENSMUSG0	3922.91	-0.05172	0.172156	-0.30044	0.76384	0.962103	ENSMUSG0 Emc10
ENSMUSG0	2152.214	-0.06084	0.202672	-0.30018	0.76404	0.962292	ENSMUSG0 Larp4b
ENSMUSG0	557.4971	-0.06448	0.214908	-0.30005	0.764136	0.962325	ENSMUSG0 Ino80
ENSMUSG0	17.73122	0.197901	0.659643	0.300013	0.764167	0.962325	ENSMUSG0 Hoxb3
ENSMUSG0	2393.998	-0.03854	0.128554	-0.29977	0.764351	0.962327	ENSMUSG0 Ube2z
ENSMUSG0	1726.225	0.05961	0.198887	0.299719	0.764392	0.962327	ENSMUSG0 Zdhhc20
ENSMUSG0	1215.651	-0.0897	0.299289	-0.29971	0.764396	0.962327	ENSMUSG0 Trappc1
ENSMUSG0	57.62187	0.113436	0.378499	0.2997	0.764406	0.962327	ENSMUSG0 Hmnr
ENSMUSG0	135.6188	0.128383	0.428433	0.299657	0.764439	0.962327	ENSMUSG0 Dlg2
ENSMUSG0	1106.902	0.08204	0.273815	0.299618	0.764468	0.962327	ENSMUSG0 Notch1
ENSMUSG0	5822.652	-0.0762	0.254407	-0.2995	0.764555	0.962373	ENSMUSG0 Abhd2
ENSMUSG0	628.3016	0.041566	0.138876	0.299302	0.764709	0.962504	ENSMUSG0 Arhgap23
ENSMUSG0	19.43945	0.190512	0.636675	0.29923	0.764765	0.962511	ENSMUSG0 C2900022M0
ENSMUSG0	759.8393	0.046483	0.155462	0.299	0.76494	0.962669	ENSMUSG0 Got1
ENSMUSG0	4101.835	0.029932	0.100172	0.298804	0.76509	0.962771	ENSMUSG0 Ap1b1
ENSMUSG0	1628.601	-0.07131	0.238709	-0.29871	0.765159	0.962771	ENSMUSG0 Chuk
ENSMUSG0	4663.544	-0.06136	0.205411	-0.2987	0.765172	0.962771	ENSMUSG0 Rnh1
ENSMUSG0	24.43928	0.105548	0.353502	0.298577	0.765263	0.962823	ENSMUSG0 C1700001C1
ENSMUSG0	638.1738	-0.07685	0.257466	-0.29848	0.765333	0.962848	ENSMUSG0 Zfp236
ENSMUSG0	197.3368	0.143683	0.481553	0.298374	0.765418	0.962892	ENSMUSG0 Blk
ENSMUSG0	499.7628	0.065929	0.221095	0.298191	0.765558	0.962945	ENSMUSG0 Elac1
ENSMUSG0	2.944798	0.336705	1.129174	0.298187	0.765561	0.962945	ENSMUSG0 Gm15513
ENSMUSG0	349.088	-0.0841	0.282121	-0.29809	0.765638	0.962979	ENSMUSG0 Nmi
ENSMUSG0	243.7954	-0.05544	0.186065	-0.29795	0.765739	0.963033	ENSMUSG0 Gmeb1
ENSMUSG0	250.8602	0.114427	0.384115	0.297899	0.76578	0.963033	ENSMUSG0 Rarres2

ENSMUSG0	20.18925	0.166198	0.558187	0.297746	0.765897	0.963085	ENSMUSG0 Gm37296
ENSMUSG0	797.0326	0.055659	0.186983	0.297669	0.765956	0.963085	ENSMUSG0 Polr2f
ENSMUSG0	1852.398	-0.05385	0.180911	-0.29765	0.765972	0.963085	ENSMUSG0 Maf1
ENSMUSG0	837.9135	-0.05313	0.178591	-0.29752	0.766069	0.963139	ENSMUSG0 Thumpd1
ENSMUSG0	104.9607	-0.09087	0.30558	-0.29737	0.766184	0.963139	ENSMUSG0 Gm32687
ENSMUSG0	1219.047	0.076553	0.257455	0.297343	0.766204	0.963139	ENSMUSG0 Atp11b
ENSMUSG0	60.29636	0.094166	0.316707	0.297329	0.766215	0.963139	ENSMUSG0 Gpr153
ENSMUSG0	608.732	-0.04833	0.162617	-0.29719	0.766322	0.96321	ENSMUSG0 Zdhhc4
ENSMUSG0	479.4993	0.060656	0.204236	0.296989	0.766475	0.963273	ENSMUSG0 Riok1
ENSMUSG0	149.3603	-0.10043	0.338302	-0.29687	0.766564	0.963273	ENSMUSG0 Gm15651
ENSMUSG0	6.242014	0.262335	0.883717	0.296854	0.766578	0.963273	ENSMUSG0 Gm37420
ENSMUSG0	6.825855	0.192846	0.649749	0.296801	0.766618	0.963273	ENSMUSG0 Gm12993
ENSMUSG0	19.08909	-0.16167	0.544829	-0.29674	0.766663	0.963273	ENSMUSG0 Gm43088
ENSMUSG0	3.383758	-0.37583	1.266563	-0.29673	0.766673	0.963273	ENSMUSG0 Gpr141
ENSMUSG0	39.68275	0.114422	0.385843	0.296551	0.766809	0.963382	ENSMUSG0 Pnma1
ENSMUSG0	131.4129	0.072463	0.244476	0.296401	0.766924	0.963463	ENSMUSG0 Them4
ENSMUSG0	92.1588	0.109206	0.368759	0.296145	0.76712	0.963596	ENSMUSG0 Atad5
ENSMUSG0	17.23323	-0.12238	0.413254	-0.29613	0.767129	0.963596	ENSMUSG0 Gm49745
ENSMUSG0	937.2496	-0.06459	0.218213	-0.296	0.767231	0.96366	ENSMUSG0 Plrg1
ENSMUSG0	21.82505	0.181144	0.61228	0.295851	0.767344	0.963683	ENSMUSG0 Ryr1
ENSMUSG0	926.3865	-0.0456	0.154147	-0.29579	0.767387	0.963683	ENSMUSG0 Ubl7
ENSMUSG0	3493.511	-0.05366	0.181437	-0.29578	0.767401	0.963683	ENSMUSG0 Clta
ENSMUSG0	511.2085	-0.05168	0.174793	-0.29564	0.767504	0.963683	ENSMUSG0 Arhgap39
ENSMUSG0	3290.761	-0.06972	0.235938	-0.29551	0.767608	0.963683	ENSMUSG0 Tusc3
ENSMUSG0	707.4739	-0.06586	0.222913	-0.29546	0.767646	0.963683	ENSMUSG0 Arhgap32
ENSMUSG0	2653.044	0.089361	0.302551	0.295357	0.767721	0.963683	ENSMUSG0 Ggnbp2
ENSMUSG0	4080.151	0.046696	0.158117	0.295325	0.767745	0.963683	ENSMUSG0 Pea15a
ENSMUSG0	312.8235	-0.05504	0.18638	-0.29531	0.767756	0.963683	ENSMUSG0 Fbxo4
ENSMUSG0	10.78741	-0.13827	0.46866	-0.29502	0.767975	0.963683	ENSMUSG0 Gm38336
ENSMUSG0	1606.106	-0.08508	0.288394	-0.29501	0.767984	0.963683	ENSMUSG0 Nudt16l1
ENSMUSG0	173.7558	-0.07087	0.240248	-0.29497	0.768016	0.963683	ENSMUSG0 Ddx60
ENSMUSG0	2080.432	0.081711	0.27711	0.294869	0.768094	0.963683	ENSMUSG0 Mapk8ip3
ENSMUSG0	10.01609	0.305213	1.03518	0.294841	0.768115	0.963683	ENSMUSG0 Aicda
ENSMUSG0	51.41809	0.090412	0.306728	0.294761	0.768176	0.963683	ENSMUSG0 Mcm8
ENSMUSG0	2075.661	-0.04601	0.15611	-0.29474	0.768193	0.963683	ENSMUSG0 Nfic
ENSMUSG0	6.427398	0.253467	0.86002	0.294723	0.768206	0.963683	ENSMUSG0 Cbln2
ENSMUSG0	502.1799	-0.04504	0.152815	-0.29472	0.768206	0.963683	ENSMUSG0 Dhx29
ENSMUSG0	1205.557	0.057379	0.194713	0.294685	0.768235	0.963683	ENSMUSG0 Ech1
ENSMUSG0	63.93491	0.127352	0.432368	0.294546	0.76834	0.963683	ENSMUSG0 Gm5914
ENSMUSG0	156.4103	0.057219	0.194271	0.294532	0.768352	0.963683	ENSMUSG0 Ppm1e
ENSMUSG0	6.926335	-0.20743	0.704735	-0.29434	0.768498	0.963683	ENSMUSG0 Gm10129
ENSMUSG0	538.2961	-0.07559	0.256898	-0.29423	0.768585	0.963683	ENSMUSG0 Mrto4
ENSMUSG0	368.899	0.148574	0.504982	0.294217	0.768592	0.963683	ENSMUSG0 Plac9b
ENSMUSG0	4.016461	-0.23474	0.798059	-0.29413	0.768656	0.963683	ENSMUSG0 Gm12743
ENSMUSG0	182.949	0.066131	0.22485	0.294114	0.768671	0.963683	ENSMUSG0 Txnrd3
ENSMUSG0	3.653851	0.216183	0.735115	0.294081	0.768696	0.963683	ENSMUSG0 Gm16378
ENSMUSG0	2587.966	-0.04414	0.150111	-0.29402	0.768739	0.963683	ENSMUSG0 Nomo1
ENSMUSG0	108.3358	-0.07285	0.247879	-0.29389	0.76884	0.963683	ENSMUSG0 Ccdc138
ENSMUSG0	440.9867	0.055624	0.189268	0.293891	0.768841	0.963683	ENSMUSG0 Crif2
ENSMUSG0	6.543494	-0.85489	2.909141	-0.29386	0.768861	0.963683	ENSMUSG0 Gm12161
ENSMUSG0	105.2402	-0.0707	0.240627	-0.29382	0.768898	0.963683	ENSMUSG0 Nim1k
ENSMUSG0	161.5331	0.058764	0.200078	0.293703	0.768985	0.963683	ENSMUSG0 Marchf3

ENSMUSG0	5.425691	0.253868	0.864442	0.293678	0.769004	0.963683	ENSMUSG09330121J05
ENSMUSG0	103.0598	-0.14663	0.499813	-0.29338	0.769233	0.963683	ENSMUSG0 Slc25a45
ENSMUSG0	705.0606	0.056273	0.191857	0.293309	0.769286	0.963683	ENSMUSG0 Cybc1
ENSMUSG0	182.9031	-0.05567	0.189822	-0.29328	0.769305	0.963683	ENSMUSG0 Polr3g
ENSMUSG0	222.6905	-0.11163	0.380656	-0.29327	0.769319	0.963683	ENSMUSG0 Mthfd2l
ENSMUSG0	1821.793	-0.0442	0.150719	-0.29324	0.769342	0.963683	ENSMUSG0 Acbd3
ENSMUSG0	664.2919	0.042516	0.145017	0.293179	0.769385	0.963683	ENSMUSG0 Snap29
ENSMUSG0	657.8504	0.043489	0.148366	0.293122	0.769429	0.963683	ENSMUSG0 Zbtb22
ENSMUSG0	3.190263	0.301342	1.028108	0.293104	0.769443	0.963683	ENSMUSG0 Gm16192
ENSMUSG0	27.76742	0.115756	0.394949	0.293091	0.769453	0.963683	ENSMUSG0 Pxmp2
ENSMUSG0	1122.038	-0.0373	0.127279	-0.29306	0.769474	0.963683	ENSMUSG0 Pes1
ENSMUSG0	1939.163	0.070052	0.23914	0.292934	0.769573	0.963683	ENSMUSG0 Arhgap35
ENSMUSG0	135.9113	0.163675	0.558855	0.292875	0.769617	0.963683	ENSMUSG0 Hbb-bt
ENSMUSG0	330.7677	-0.06185	0.211177	-0.29287	0.769618	0.963683	ENSMUSG0 Magi2
ENSMUSG0	2396.898	-0.03739	0.1277	-0.29283	0.769654	0.963683	ENSMUSG0 Pitpnb
ENSMUSG0	1207.777	0.046909	0.1603	0.292631	0.769804	0.963753	ENSMUSG0 Trafd1
ENSMUSG0	12.7014	0.152987	0.52285	0.292602	0.769826	0.963753	ENSMUSG0 Gm26549
ENSMUSG0	245.552	-0.07969	0.272381	-0.29256	0.76986	0.963753	ENSMUSG0 Scrt1
ENSMUSG0	3.740483	0.2285	0.781482	0.292393	0.769986	0.963848	ENSMUSG0 Gm10353
ENSMUSG0	321.3804	-0.0771	0.263804	-0.29228	0.770076	0.963853	ENSMUSG04933431K1
ENSMUSG0	50.64704	-0.10044	0.343678	-0.29226	0.77009	0.963853	ENSMUSG0 Adat3
ENSMUSG0	255.5571	-0.07685	0.263083	-0.29211	0.770205	0.963934	ENSMUSG0 Arhgap33
ENSMUSG0	16.97631	0.248041	0.84958	0.291957	0.770319	0.963999	ENSMUSG0 Slc10a6
ENSMUSG0	311.9898	-0.04493	0.153902	-0.29191	0.770357	0.963999	ENSMUSG0 Ccdc130
ENSMUSG0	1008.484	-0.06735	0.231098	-0.29141	0.770735	0.964032	ENSMUSG0 Dedd2
ENSMUSG0	493.6689	-0.06799	0.233331	-0.2914	0.770742	0.964032	ENSMUSG0 Fam45a
ENSMUSG0	3480.826	-0.05814	0.199552	-0.29134	0.770791	0.964032	ENSMUSG0 Paip2
ENSMUSG0	143.5355	0.134085	0.460346	0.291271	0.770844	0.964032	ENSMUSG0 Runx3
ENSMUSG0	4227.086	-0.06773	0.23255	-0.29125	0.770857	0.964032	ENSMUSG0 Prepl
ENSMUSG0	35.31126	0.764683	2.626092	0.291187	0.770909	0.964032	ENSMUSG0 Gm49342
ENSMUSG0	958.7504	0.061906	0.212649	0.29112	0.77096	0.964032	ENSMUSG0 Sema4d
ENSMUSG0	20.6766	-0.13475	0.462879	-0.29112	0.770961	0.964032	ENSMUSG0 Tas1r3
ENSMUSG0	1385.883	0.099779	0.342778	0.29109	0.770982	0.964032	ENSMUSG0 Mga
ENSMUSG0	434.1965	0.082318	0.282811	0.291071	0.770997	0.964032	ENSMUSG0 Rbm12b2
ENSMUSG0	10.76019	0.181405	0.623399	0.290993	0.771057	0.964032	ENSMUSG01700108N1
ENSMUSG0	609.3175	-0.0398	0.136806	-0.29095	0.77109	0.964032	ENSMUSG0 REXO4
ENSMUSG0	15.23609	-0.12975	0.445965	-0.29093	0.771103	0.964032	ENSMUSG0 Gm4787
ENSMUSG0	74.62767	-0.07757	0.266631	-0.29093	0.771105	0.964032	ENSMUSG0 Zfp54
ENSMUSG0	315.2892	0.066329	0.228069	0.290829	0.771182	0.964032	ENSMUSG0 Zbtb5
ENSMUSG0	773.012	-0.06013	0.20676	-0.29083	0.771185	0.964032	ENSMUSG0 Mapk10
ENSMUSG0	3.720973	-0.253	0.870503	-0.29063	0.771331	0.964152	ENSMUSG0 Gm3531
ENSMUSG0	717.8431	-0.05879	0.202376	-0.29048	0.771453	0.96424	ENSMUSG0 Slc45a4
ENSMUSG0	4.395528	-0.21536	0.741629	-0.29039	0.771521	0.964264	ENSMUSG0 Gm2238
ENSMUSG0	53.48104	-0.10264	0.353812	-0.29011	0.771733	0.964362	ENSMUSG0 Lrp2bp
ENSMUSG0	252.0151	0.060916	0.209984	0.2901	0.77174	0.964362	ENSMUSG0 Stk3
ENSMUSG0	8.619136	-0.16382	0.564713	-0.29009	0.77175	0.964362	ENSMUSG0 Cyp2r1
ENSMUSG0	49.9147	0.117377	0.404948	0.289857	0.771925	0.964368	ENSMUSG0 H3f3aos
ENSMUSG0	622.927	-0.06852	0.236383	-0.28985	0.771931	0.964368	ENSMUSG0 Cisd3
ENSMUSG0	2325.243	0.070824	0.244357	0.28984	0.771939	0.964368	ENSMUSG0 Bcap31
ENSMUSG0	832.9346	0.076031	0.262412	0.289741	0.772015	0.964368	ENSMUSG0 Wdr37
ENSMUSG0	430.2479	-0.05701	0.196807	-0.28965	0.772081	0.964368	ENSMUSG0 Rundc3b
ENSMUSG0	4.141445	0.358374	1.237252	0.289654	0.772081	0.964368	ENSMUSG0 Klra9

ENSMUSG0	464.0042	-0.11684	0.403426	-0.28962	0.772108	0.964368	ENSMUSG0 Cox20
ENSMUSG0	820.6769	0.076995	0.265908	0.289556	0.772156	0.964368	ENSMUSG0 Zfp646
ENSMUSG0	6218.06	-0.04638	0.16034	-0.28929	0.772361	0.964494	ENSMUSG0 Sdha
ENSMUSG0	6.96368	0.225138	0.778464	0.289208	0.772423	0.964494	ENSMUSG09330161L0!
ENSMUSG0	319.7132	-0.07947	0.274828	-0.28916	0.772457	0.964494	ENSMUSG0 Cetn4
ENSMUSG0	358.7613	0.073867	0.255472	0.289139	0.772475	0.964494	ENSMUSG0 Dact1
ENSMUSG0	4132.968	0.074213	0.256707	0.289096	0.772508	0.964494	ENSMUSG0 Skp1a
ENSMUSG0	2375.048	0.050979	0.176455	0.288906	0.772653	0.964554	ENSMUSG0 Oxct1
ENSMUSG0	3.794356	-0.40997	1.419069	-0.2889	0.772656	0.964554	ENSMUSG0 Gm49380
ENSMUSG0	580.3305	0.102584	0.355275	0.288744	0.772777	0.964585	ENSMUSG0 Ttbk2
ENSMUSG0	4.189543	0.547289	1.895489	0.288732	0.772786	0.964585	ENSMUSG0 Gm50216
ENSMUSG0	1962.026	-0.12466	0.431923	-0.28863	0.772867	0.964585	ENSMUSG0 Per1
ENSMUSG0	2080.725	-0.10479	0.36309	-0.28861	0.772881	0.964585	ENSMUSG0 Ndufb5
ENSMUSG0	4236.081	-0.05252	0.182043	-0.28849	0.77297	0.964593	ENSMUSG0 Qsox1
ENSMUSG0	1508.248	-0.09127	0.31638	-0.28847	0.772988	0.964593	ENSMUSG0 H2aj
ENSMUSG0	43.85922	0.167494	0.580894	0.288339	0.773087	0.964604	ENSMUSG0 Kcne4
ENSMUSG0	1449.142	0.064772	0.224736	0.288215	0.773182	0.964604	ENSMUSG0 Mecp2
ENSMUSG0	8.865062	-0.21862	0.758566	-0.2882	0.773191	0.964604	ENSMUSG0 Gm10286
ENSMUSG0	9.001499	-0.17132	0.594446	-0.2882	0.773197	0.964604	ENSMUSG06030442K2
ENSMUSG0	1786.766	-0.06556	0.22765	-0.28798	0.773366	0.964615	ENSMUSG0 Mklm1
ENSMUSG0	1696.45	0.059654	0.20716	0.28796	0.773377	0.964615	ENSMUSG0 Tshz2
ENSMUSG0	1637.383	0.090491	0.314255	0.287954	0.773382	0.964615	ENSMUSG0 Srp54b
ENSMUSG0	12.20331	0.160379	0.557024	0.287921	0.773407	0.964615	ENSMUSG0 Trim6
ENSMUSG0	163.6939	0.056238	0.195446	0.287742	0.773544	0.964723	ENSMUSG0 Fastkd5
ENSMUSG0	28.08343	-0.11671	0.406072	-0.2874	0.773803	0.964946	ENSMUSG0 Gm31718
ENSMUSG0	9.991492	-0.2303	0.801515	-0.28733	0.773858	0.964946	ENSMUSG0 Gm47525
ENSMUSG0	1075.665	0.063617	0.221507	0.287201	0.773958	0.964946	ENSMUSG0 HnrnpH2
ENSMUSG0	69.42771	0.08263	0.287743	0.287166	0.773985	0.964946	ENSMUSG0 Mtcp1
ENSMUSG0	1199.253	-0.05419	0.188709	-0.28715	0.773998	0.964946	ENSMUSG0 Strbp
ENSMUSG0	2171.249	0.047272	0.164686	0.287044	0.774079	0.964946	ENSMUSG0 Mgat3
ENSMUSG0	29.16074	-0.37176	1.295842	-0.28688	0.7742	0.964946	ENSMUSG0 Igkv6-17
ENSMUSG0	1570.386	-0.07118	0.248129	-0.28685	0.774228	0.964946	ENSMUSG0 Tsg101
ENSMUSG0	955.775	0.060903	0.21232	0.286846	0.77423	0.964946	ENSMUSG0 Pml
ENSMUSG0	341.963	0.050911	0.177547	0.286746	0.774307	0.964946	ENSMUSG0 Tchp
ENSMUSG0	12.42617	0.187791	0.654924	0.286737	0.774313	0.964946	ENSMUSG0 Avpr1a
ENSMUSG0	942.3923	0.048515	0.169205	0.286723	0.774324	0.964946	ENSMUSG0 Slc35g1
ENSMUSG0	1041.562	0.036802	0.128386	0.286655	0.774376	0.964948	ENSMUSG0 Ckap4
ENSMUSG0	231.0545	0.090395	0.315431	0.286576	0.774437	0.964961	ENSMUSG0 Cmtm7
ENSMUSG0	87.10591	0.140734	0.491205	0.286507	0.77449	0.964964	ENSMUSG0 Tnfaip8l2
ENSMUSG0	1506.291	0.042912	0.149913	0.286245	0.77469	0.964989	ENSMUSG0 Birc2
ENSMUSG0	2.962537	0.241428	0.84363	0.286177	0.774743	0.964989	ENSMUSG0 Rasl2-9
ENSMUSG0	486.5543	0.055779	0.194934	0.286141	0.77477	0.964989	ENSMUSG0 C9orf72
ENSMUSG0	2776.608	0.045034	0.157405	0.286105	0.774798	0.964989	ENSMUSG0 Pnrc1
ENSMUSG0	301.5842	0.058859	0.205742	0.286083	0.774815	0.964989	ENSMUSG0 Fcsc
ENSMUSG0	30.46372	-0.23371	0.817105	-0.28602	0.774861	0.964989	ENSMUSG0 Scara5
ENSMUSG0	426.6974	0.06672	0.233345	0.28593	0.774931	0.964989	ENSMUSG0 Zbtb1
ENSMUSG0	1383.842	-0.04865	0.170204	-0.28585	0.774995	0.964989	ENSMUSG0 Twf1
ENSMUSG0	758.5794	0.058626	0.205105	0.285835	0.775005	0.964989	ENSMUSG0 Nhirc2
ENSMUSG0	4011.667	0.054499	0.190709	0.285771	0.775053	0.964989	ENSMUSG0 Odc1
ENSMUSG0	132.2036	-0.06437	0.225273	-0.28576	0.775062	0.964989	ENSMUSG0 Nek3
ENSMUSG0	36.34132	0.138869	0.486095	0.285683	0.775121	0.965001	ENSMUSG0 Sec14l2
ENSMUSG0	1563.981	0.060072	0.210378	0.285544	0.775227	0.96504	ENSMUSG0 Tspan33

ENSMUSG0	926.6793	-0.10303	0.360866	-0.28551	0.775253	0.96504	ENSMUSG0 Tasor2
ENSMUSG0	2.995854	0.260809	0.91381	0.285408	0.775331	0.965055	ENSMUSG02610012C0
ENSMUSG0	111.2813	0.112062	0.3928	0.285291	0.775421	0.965055	ENSMUSG0 S1pr2
ENSMUSG0	1015.703	-0.12897	0.452094	-0.28527	0.775436	0.965055	ENSMUSG0 Fxyd3
ENSMUSG0	225.5208	0.123805	0.434075	0.285215	0.775479	0.965055	ENSMUSG0 Trim30a
ENSMUSG0	638.2788	-0.0601	0.210802	-0.28512	0.77555	0.965055	ENSMUSG0 Bcl7a
ENSMUSG0	15.41797	-0.13476	0.472762	-0.28505	0.775604	0.965055	ENSMUSG0 Slc22a2
ENSMUSG0	618.6943	-0.08799	0.308698	-0.28504	0.775616	0.965055	ENSMUSG0 Cpeb3
ENSMUSG0	404.0491	0.110415	0.387696	0.284798	0.775799	0.965157	ENSMUSG0 Ifi203
ENSMUSG0	1370.832	0.05583	0.196058	0.284764	0.775825	0.965157	ENSMUSG0 Nbeal2
ENSMUSG0	649.1196	-0.04267	0.149871	-0.28471	0.775869	0.965157	ENSMUSG0 Slc25a19
ENSMUSG0	317.9621	-0.07057	0.247948	-0.2846	0.77595	0.965157	ENSMUSG0 Snupn
ENSMUSG0	315.503	0.066633	0.234164	0.284558	0.775983	0.965157	ENSMUSG0 Zfp799
ENSMUSG0	89.41515	-0.09496	0.333748	-0.28454	0.775999	0.965157	ENSMUSG0 Ppil6
ENSMUSG0	302.2635	0.07399	0.260174	0.284388	0.776113	0.965209	ENSMUSG0 Zscan25
ENSMUSG0	258.8944	-0.1228	0.431867	-0.28435	0.776141	0.965209	ENSMUSG0 Clec2d
ENSMUSG0	1645.727	-0.04824	0.169718	-0.28425	0.776218	0.965217	ENSMUSG0 Ppp2cb
ENSMUSG0	731.5126	-0.05197	0.182878	-0.2842	0.77626	0.965217	ENSMUSG0 Cpsf2
ENSMUSG0	694.8261	-0.0437	0.153804	-0.28415	0.776298	0.965217	ENSMUSG0 Elmo2
ENSMUSG0	28.84687	0.160709	0.566018	0.283929	0.776465	0.965283	ENSMUSG05430427O1
ENSMUSG0	1150.884	-0.08402	0.295952	-0.28391	0.77648	0.965283	ENSMUSG0 Prpf39
ENSMUSG0	3.649278	0.463498	1.633006	0.283831	0.77654	0.965283	ENSMUSG0 Sirpb1b
ENSMUSG0	2.940734	-0.28171	0.993454	-0.28357	0.776741	0.965283	ENSMUSG0 Gm7701
ENSMUSG0	13.90345	0.569139	2.007819	0.283461	0.776823	0.965283	ENSMUSG0 Rmrp
ENSMUSG0	45.5809	-0.09601	0.338758	-0.28343	0.776847	0.965283	ENSMUSG0 Rpusd2
ENSMUSG0	109.8574	0.129386	0.456518	0.28342	0.776855	0.965283	ENSMUSG0 Birc5
ENSMUSG0	35.22285	-0.12797	0.45155	-0.28339	0.776876	0.965283	ENSMUSG0 Gm10399
ENSMUSG0	9.212847	0.135623	0.478585	0.283384	0.776883	0.965283	ENSMUSG0 Mss51
ENSMUSG0	964.2444	0.043766	0.154443	0.28338	0.776885	0.965283	ENSMUSG0 Zcchc7
ENSMUSG0	1210.808	-0.03571	0.126039	-0.28336	0.776904	0.965283	ENSMUSG0 Pik3r2
ENSMUSG0	615.1726	0.047457	0.16757	0.283209	0.777017	0.965302	ENSMUSG0 Zfp317
ENSMUSG0	51.3161	0.077469	0.273541	0.283206	0.777019	0.965302	ENSMUSG0 Zfp418
ENSMUSG0	1137.151	0.039871	0.14087	0.283036	0.77715	0.965342	ENSMUSG0 Slc39a6
ENSMUSG0	984.1682	-0.04316	0.152482	-0.28303	0.777152	0.965342	ENSMUSG0 Ing4
ENSMUSG0	307.3229	-0.08114	0.286875	-0.28283	0.777307	0.96545	ENSMUSG0 Zfp983
ENSMUSG0	356.5029	-0.08082	0.285811	-0.28278	0.777346	0.96545	ENSMUSG0 Pigg
ENSMUSG0	171.9341	0.100395	0.355188	0.282652	0.777444	0.96545	ENSMUSG0 Itga7
ENSMUSG0	745.6282	0.042224	0.149412	0.282601	0.777482	0.96545	ENSMUSG0 Tbk1
ENSMUSG0	496.3569	0.053466	0.189229	0.282549	0.777523	0.96545	ENSMUSG0 Ankrd13b
ENSMUSG0	4.215553	-0.20982	0.742653	-0.28253	0.777539	0.96545	ENSMUSG0 Eqtn
ENSMUSG0	228.6133	0.065259	0.231184	0.282282	0.777727	0.965604	ENSMUSG0 Mkcn2os
ENSMUSG0	5955.424	-0.07136	0.252912	-0.28214	0.777837	0.965604	ENSMUSG0 Ptov1
ENSMUSG0	11.45048	0.139251	0.493794	0.282002	0.777942	0.965604	ENSMUSG0 Pla2g5
ENSMUSG0	7.312313	0.22545	0.799971	0.281823	0.778079	0.965604	ENSMUSG0 Gm37879
ENSMUSG0	38.94064	0.216996	0.77002	0.281806	0.778092	0.965604	ENSMUSG0 Mcoln2
ENSMUSG0	576.2519	0.037464	0.132958	0.281776	0.778116	0.965604	ENSMUSG0 Hlcs
ENSMUSG0	5672.273	0.072108	0.255947	0.281731	0.77815	0.965604	ENSMUSG0 Sf3b1
ENSMUSG0	61.69373	0.141149	0.50111	0.281673	0.778194	0.965604	ENSMUSG0 Pcdha9
ENSMUSG0	2465.883	-0.06886	0.244499	-0.28165	0.778215	0.965604	ENSMUSG0 Psmb5
ENSMUSG0	3255.945	0.042055	0.149377	0.281539	0.778297	0.965604	ENSMUSG0 Dctn2
ENSMUSG0	4.513551	-0.22436	0.796917	-0.28153	0.7783	0.965604	ENSMUSG0 Gm9042
ENSMUSG0	545.8054	-0.06135	0.218	-0.28143	0.778381	0.965604	ENSMUSG0 Sephs1

ENSMUSG0	4.374062	0.367813	1.306978	0.281423	0.778386	0.965604	ENSMUSG0 Adamts13
ENSMUSG0	535.4707	-0.07205	0.256038	-0.28139	0.77841	0.965604	ENSMUSG0 Jam2
ENSMUSG0	1236.255	-0.0465	0.165245	-0.28138	0.778416	0.965604	ENSMUSG0 Angel2
ENSMUSG0	428.7246	0.058704	0.208686	0.281305	0.778476	0.965616	ENSMUSG0 Cd320
ENSMUSG0	394.3618	0.077845	0.27685	0.281183	0.77857	0.96564	ENSMUSG0 Polr1b
ENSMUSG0	174.7101	0.136804	0.486697	0.281086	0.778645	0.96564	ENSMUSG0 S100a4
ENSMUSG0	124.9762	0.125523	0.446653	0.281031	0.778687	0.96564	ENSMUSG0 Gm43079
ENSMUSG0	180.8833	0.110978	0.394915	0.281018	0.778697	0.96564	ENSMUSG0 Camk1d
ENSMUSG0	636.4233	-0.04926	0.175488	-0.28073	0.778918	0.965812	ENSMUSG0 Itpa
ENSMUSG0	3.277708	0.290737	1.035736	0.280706	0.778936	0.965812	ENSMUSG0 Mroh8
ENSMUSG0	1620.058	-0.05032	0.179325	-0.28061	0.779012	0.965821	ENSMUSG0 Itgb5
ENSMUSG0	450.5014	0.072388	0.258009	0.280565	0.779044	0.965821	ENSMUSG0 Fahd2a
ENSMUSG0	2060.859	-0.06857	0.24459	-0.28035	0.779208	0.965963	ENSMUSG0 Vkorc1
ENSMUSG0	5.156564	0.245629	0.876813	0.280138	0.779372	0.966053	ENSMUSG0 Gm16230
ENSMUSG0	459.4621	-0.12872	0.459501	-0.28013	0.779381	0.966053	ENSMUSG0 Rpl37rt
ENSMUSG0	358.6949	0.058997	0.210717	0.279981	0.779492	0.966116	ENSMUSG0 Gorab
ENSMUSG0	12.79806	-0.13366	0.477492	-0.27993	0.779532	0.966116	ENSMUSG0 Cbln3
ENSMUSG0	3.260703	-0.36055	1.288592	-0.2798	0.779627	0.966171	ENSMUSG0 Rpl19-ps7
ENSMUSG0	1678.757	0.039055	0.139674	0.279612	0.779775	0.966293	ENSMUSG0 Coa5
ENSMUSG0	33.38645	0.117776	0.42131	0.279546	0.779826	0.966293	ENSMUSG0 Gm37472
ENSMUSG0	9.063542	0.169729	0.607553	0.279366	0.779964	0.966345	ENSMUSG0 Apoc1
ENSMUSG0	7256.53	0.12777	0.457509	0.279274	0.780035	0.966345	ENSMUSG0 H2-Aa
ENSMUSG0	49.13568	0.15778	0.565012	0.279251	0.780052	0.966345	ENSMUSG0 Stx11
ENSMUSG0	220.0862	0.094695	0.339174	0.279194	0.780096	0.966345	ENSMUSG0 Brwd3
ENSMUSG0	981.1482	0.066561	0.238429	0.279164	0.780119	0.966345	ENSMUSG0 Daam1
ENSMUSG0	385.1301	0.039337	0.140944	0.279096	0.780171	0.966347	ENSMUSG0 Kat8
ENSMUSG0	3.410958	-0.25978	0.931096	-0.27901	0.78024	0.966371	ENSMUSG0 Gm49218
ENSMUSG0	925.1286	0.038858	0.139331	0.278891	0.780329	0.966418	ENSMUSG0 Scmh1
ENSMUSG0	34.98647	-0.14244	0.510946	-0.27879	0.780409	0.966435	ENSMUSG0 Gm12976
ENSMUSG0	526.2399	-0.05851	0.209908	-0.27873	0.780452	0.966435	ENSMUSG0 Zfp866
ENSMUSG0	459.1518	0.049436	0.177398	0.278676	0.780494	0.966435	ENSMUSG0 Cdkn2d
ENSMUSG0	12.58983	-0.19367	0.69549	-0.27847	0.780654	0.966528	ENSMUSG0 Gm20696
ENSMUSG0	1482.007	0.046795	0.168096	0.278384	0.780718	0.966528	ENSMUSG0 Rraga
ENSMUSG0	691.4154	0.04923	0.176843	0.278382	0.780719	0.966528	ENSMUSG0 Plekhn2
ENSMUSG0	30.6722	-0.18233	0.655185	-0.27829	0.780789	0.966552	ENSMUSG0 Gm43300
ENSMUSG0	664.6747	-0.05548	0.199491	-0.27809	0.78094	0.966622	ENSMUSG0 Fam83g
ENSMUSG0	2085.832	-0.09435	0.339296	-0.27808	0.780948	0.966622	ENSMUSG0 Ndufc2
ENSMUSG0	310.1323	-0.10378	0.373326	-0.27798	0.78103	0.966622	ENSMUSG0 Abcb6
ENSMUSG0	227.6551	-0.15382	0.55343	-0.27795	0.781052	0.966622	ENSMUSG0 Ptger3
ENSMUSG0	1080.37	0.060321	0.217068	0.277891	0.781096	0.966622	ENSMUSG0 Gtpbp2
ENSMUSG0	1294.122	-0.05187	0.186791	-0.27772	0.781231	0.966726	ENSMUSG0 Tufm
ENSMUSG0	3.771473	-0.23409	0.843558	-0.2775	0.781396	0.96684	ENSMUSG0 Gm12057
ENSMUSG0	62.03028	0.079429	0.286374	0.277362	0.781502	0.96684	ENSMUSG0 Plek2
ENSMUSG0	14.51147	-0.14451	0.521157	-0.27729	0.781557	0.96684	ENSMUSG0170010111
ENSMUSG0	28.4462	0.223088	0.804739	0.277217	0.781613	0.96684	ENSMUSG0 Nuggc
ENSMUSG0	397.0462	-0.04966	0.179135	-0.2772	0.781627	0.96684	ENSMUSG0 Snx11
ENSMUSG0	7.785536	-0.17807	0.642569	-0.27713	0.781682	0.96684	ENSMUSG01700001L1
ENSMUSG0	47.50209	0.088748	0.320256	0.277117	0.781691	0.96684	ENSMUSG0 Gm42595
ENSMUSG0	77.26235	-0.09832	0.354923	-0.27702	0.781765	0.96684	ENSMUSG0 Hcar1
ENSMUSG0	2704.225	-0.06566	0.237038	-0.27701	0.781775	0.96684	ENSMUSG0 Lin7c
ENSMUSG0	84.19457	0.152707	0.551427	0.276931	0.781833	0.966849	ENSMUSG0 Htra3
ENSMUSG0	1512.507	-0.03501	0.12648	-0.27683	0.781912	0.966884	ENSMUSG0 Gprin1

ENSMUSG0	1828.218	0.09174	0.331799	0.276492	0.78217	0.967105	ENSMUSG0 Bex1
ENSMUSG0	323.6421	-0.06043	0.218628	-0.2764	0.782239	0.967105	ENSMUSG0 Kazn
ENSMUSG0	4.928896	-0.1976	0.715072	-0.27634	0.782286	0.967105	ENSMUSG0 Gm36120
ENSMUSG0	12.69865	-0.26941	0.974993	-0.27632	0.782301	0.967105	ENSMUSG0 Gm44667
ENSMUSG0	588.7048	-0.04494	0.162666	-0.27625	0.782359	0.967105	ENSMUSG0 Tmem11
ENSMUSG0	3198.909	-0.09964	0.360823	-0.27614	0.782442	0.967105	ENSMUSG0 Atp5j2
ENSMUSG0	20.08243	0.161766	0.585817	0.276138	0.782442	0.967105	ENSMUSG02700099C1
ENSMUSG0	11313.87	-0.09755	0.353394	-0.27604	0.782519	0.967138	ENSMUSG0 Rps8
ENSMUSG0	3.773258	-0.25677	0.930725	-0.27588	0.782638	0.967172	ENSMUSG0 Gm48335
ENSMUSG0	175.2131	0.055332	0.200598	0.275835	0.782675	0.967172	ENSMUSG0 Slc27a3
ENSMUSG0	695.7885	0.075887	0.275243	0.275711	0.78277	0.967172	ENSMUSG0Tmem178b
ENSMUSG0	168.9051	0.08432	0.305835	0.275703	0.782776	0.967172	ENSMUSG0 Chaf1a
ENSMUSG0	521.4946	0.077447	0.281094	0.275518	0.782918	0.967172	ENSMUSG0 Id3
ENSMUSG0	944.2901	0.054073	0.196278	0.275492	0.782938	0.967172	ENSMUSG0 Slc25a22
ENSMUSG0	44.86055	-0.11168	0.405466	-0.27544	0.782978	0.967172	ENSMUSG0 Gm38366
ENSMUSG0	243.269	0.099802	0.362536	0.275287	0.783095	0.967172	ENSMUSG0 Cfh
ENSMUSG0	77.73187	0.080368	0.292187	0.275056	0.783273	0.967172	ENSMUSG0 Ammecn1
ENSMUSG0	30.10708	-0.13182	0.479321	-0.27501	0.783306	0.967172	ENSMUSG0 Lhx6
ENSMUSG0	912.5292	0.037477	0.136285	0.274988	0.783325	0.967172	ENSMUSG0 Naglu
ENSMUSG0	1622.261	0.046304	0.168402	0.274963	0.783344	0.967172	ENSMUSG0 Zfyve27
ENSMUSG0	2330.605	0.065755	0.239148	0.274954	0.783352	0.967172	ENSMUSG0 Ntrk2
ENSMUSG0	184.389	0.09738	0.35417	0.274952	0.783353	0.967172	ENSMUSG0 Zfp28
ENSMUSG0	201.4618	0.077825	0.283152	0.274854	0.783429	0.967172	ENSMUSG0 Axin2
ENSMUSG0	4.85369	0.210853	0.767248	0.274818	0.783456	0.967172	ENSMUSG0 Tmprss7
ENSMUSG0	13.38484	0.131684	0.479256	0.274767	0.783495	0.967172	ENSMUSG0 Ppp1r14c
ENSMUSG0	3.994868	0.218276	0.794409	0.274765	0.783497	0.967172	ENSMUSG0 Rps3a3
ENSMUSG0	320.5321	-0.07295	0.265491	-0.27476	0.783502	0.967172	ENSMUSG0 Bbc3
ENSMUSG0	84.24383	0.167126	0.608505	0.274649	0.783586	0.9672	ENSMUSG0 Car9
ENSMUSG0	87.65198	-0.13115	0.477598	-0.2746	0.783625	0.9672	ENSMUSG0 Anln
ENSMUSG0	49.16063	0.083863	0.305487	0.274523	0.783683	0.967209	ENSMUSG0 Gm11613
ENSMUSG0	2587.051	0.2517	0.917473	0.27434	0.783823	0.967229	ENSMUSG0 Lyz2
ENSMUSG0	7.57049	0.244548	0.891508	0.274308	0.783848	0.967229	ENSMUSG04930556M:
ENSMUSG0	651.4607	0.054545	0.198867	0.27428	0.783869	0.967229	ENSMUSG0 Usp3
ENSMUSG0	510.5971	0.050041	0.182473	0.27424	0.7839	0.967229	ENSMUSG0 Fbxo45
ENSMUSG0	13428.68	0.063326	0.231138	0.273973	0.784105	0.96742	ENSMUSG0 Gapdh
ENSMUSG0	13.74911	-0.12209	0.44587	-0.27383	0.784212	0.967443	ENSMUSG02810455OC
ENSMUSG0	14.17922	-0.16109	0.588315	-0.27382	0.784224	0.967443	ENSMUSG0 Gm44510
ENSMUSG0	5.340637	-0.27228	0.995224	-0.27358	0.784404	0.967602	ENSMUSG0 Rps12-ps1
ENSMUSG0	1416.193	0.047192	0.172584	0.273445	0.784512	0.967673	ENSMUSG0 Sae1
ENSMUSG0	1078.878	-0.07018	0.256782	-0.2733	0.784625	0.967696	ENSMUSG0 Uhrf1bp1l
ENSMUSG0	8.652369	-0.17913	0.655467	-0.27329	0.784631	0.967696	ENSMUSG0 Gm9895
ENSMUSG0	497.4015	0.041931	0.153487	0.27319	0.784707	0.967699	ENSMUSG0 Umad1
ENSMUSG0	306.1432	-0.08151	0.298723	-0.27287	0.78495	0.967699	ENSMUSG0 Sall4
ENSMUSG0	123.0643	-0.05916	0.216826	-0.27284	0.784976	0.967699	ENSMUSG0 Gm49284
ENSMUSG0	2212.863	0.049851	0.182716	0.272834	0.784981	0.967699	ENSMUSG0 Txlna
ENSMUSG0	54.60802	-0.16294	0.597434	-0.27273	0.785064	0.967699	ENSMUSG0 Agmo
ENSMUSG0	856.4839	-0.04288	0.157277	-0.27261	0.78515	0.967699	ENSMUSG0 Ppox
ENSMUSG0	303.7962	0.067978	0.24941	0.272554	0.785196	0.967699	ENSMUSG0 Lipa
ENSMUSG0	1303.08	0.064067	0.235133	0.272471	0.78526	0.967699	ENSMUSG0 Slc35g2
ENSMUSG0	856.171	-0.06419	0.235592	-0.27245	0.785279	0.967699	ENSMUSG0 Focad
ENSMUSG0	1763.999	0.060099	0.220615	0.272414	0.785304	0.967699	ENSMUSG0 Ppp3ca
ENSMUSG0	15.74601	-0.11205	0.411686	-0.27217	0.785491	0.967699	ENSMUSG01700001G1

ENSMUSG0	17.08156	0.120376	0.442369	0.272117	0.785532	0.967699	ENSMUSG0 Rgs6
ENSMUSG0	7.517895	-0.19978	0.734533	-0.27199	0.785633	0.967699	ENSMUSG0 Fgf7
ENSMUSG0	335.8748	0.043397	0.159582	0.271942	0.785666	0.967699	ENSMUSG0 Phf6
ENSMUSG0	17.68055	0.154513	0.568217	0.271927	0.785678	0.967699	ENSMUSG0 Tmem100
ENSMUSG0	4039.864	0.054377	0.19998	0.271911	0.78569	0.967699	ENSMUSG0 Rrp1
ENSMUSG0	296.6265	0.054836	0.201724	0.271839	0.785746	0.967699	ENSMUSG0 Tnip2
ENSMUSG0	27.99739	0.1764	0.648987	0.271809	0.785769	0.967699	ENSMUSG0 Slc1a3
ENSMUSG0	674.9109	0.042596	0.156714	0.271805	0.785772	0.967699	ENSMUSG0 Taf8
ENSMUSG0	174.1342	-0.07595	0.279495	-0.27175	0.785814	0.967699	ENSMUSG0 Tyw5
ENSMUSG0	1174.669	-0.04701	0.173032	-0.27166	0.785884	0.967699	ENSMUSG0 Nr1h2
ENSMUSG0	588.5333	-0.04664	0.171714	-0.27163	0.78591	0.967699	ENSMUSG0 Mrps18b
ENSMUSG0	13.96446	-0.19093	0.702921	-0.27162	0.785911	0.967699	ENSMUSG0 Gm19327
ENSMUSG0	7.046128	0.307607	1.132497	0.271618	0.785916	0.967699	ENSMUSG0 Ighv1-18
ENSMUSG0	95.44861	0.101745	0.374936	0.271366	0.78611	0.967699	ENSMUSG0 Gcnt4
ENSMUSG0	5.168887	0.24372	0.898124	0.271366	0.78611	0.967699	ENSMUSG0A530083I2C
ENSMUSG0	5819.189	0.038962	0.143596	0.27133	0.786137	0.967699	ENSMUSG0 Eif4h
ENSMUSG0	32.81007	0.120702	0.444971	0.271258	0.786193	0.967699	ENSMUSG0 Gm48754
ENSMUSG0	1116.802	0.048176	0.177648	0.271187	0.786247	0.967699	ENSMUSG0 Sbds
ENSMUSG0	1318.25	0.038566	0.142234	0.271142	0.786282	0.967699	ENSMUSG0 Rsl1d1
ENSMUSG0	4.941266	-0.26586	0.980862	-0.27104	0.786356	0.967699	ENSMUSG0 Gng8
ENSMUSG0	452.4212	-0.0518	0.191105	-0.27104	0.786358	0.967699	ENSMUSG0 Zfp553
ENSMUSG0	829.6943	-0.06657	0.245631	-0.27104	0.786363	0.967699	ENSMUSG0 Med15
ENSMUSG0	17.7117	-0.23485	0.866558	-0.27101	0.786382	0.967699	ENSMUSG0 Gm38372
ENSMUSG0	1363.49	-0.05281	0.19496	-0.27089	0.786477	0.967699	ENSMUSG0 Csnk2b
ENSMUSG0	950.4892	0.063787	0.235488	0.270873	0.786489	0.967699	ENSMUSG0 Ncoa5
ENSMUSG0	64.17965	0.113095	0.417531	0.270865	0.786495	0.967699	ENSMUSG0 Wdr62
ENSMUSG0	16.87184	0.151024	0.557948	0.270677	0.786639	0.967761	ENSMUSG0 Gm44168
ENSMUSG0	97.99605	-0.07426	0.274377	-0.27064	0.786668	0.967761	ENSMUSG0 Zfp965
ENSMUSG0	2910.372	-0.05715	0.211281	-0.2705	0.786775	0.967761	ENSMUSG0 Tardbp
ENSMUSG0	328.0317	0.07894	0.291846	0.270485	0.786787	0.967761	ENSMUSG0 Zfp329
ENSMUSG0	401.3189	0.048104	0.177866	0.270449	0.786815	0.967761	ENSMUSG0 Btbd10
ENSMUSG0	193.8608	0.070944	0.262412	0.270354	0.786888	0.967761	ENSMUSG0 Dpy19l1
ENSMUSG0	172.79	0.051567	0.190866	0.270173	0.787027	0.967761	ENSMUSG0 Gpr39
ENSMUSG0	125.7534	0.067921	0.251409	0.270163	0.787035	0.967761	ENSMUSG0Tmem147o
ENSMUSG0	789.9487	-0.05603	0.207403	-0.27016	0.78704	0.967761	ENSMUSG0 Higd2a
ENSMUSG0	1154.088	-0.07202	0.266724	-0.27004	0.787133	0.967761	ENSMUSG0 Ap3m1
ENSMUSG0	331.6009	0.065862	0.243906	0.270031	0.787136	0.967761	ENSMUSG0 Xrcc4
ENSMUSG0	15853.08	-0.0549	0.203373	-0.26995	0.787198	0.967761	ENSMUSG0 Rack1
ENSMUSG0	35.73422	-0.20628	0.76415	-0.26995	0.787198	0.967761	ENSMUSG0 Emilin2
ENSMUSG0	424.8538	-0.05692	0.211026	-0.26973	0.787366	0.967904	ENSMUSG0 Zfp414
ENSMUSG0	2.962982	0.230824	0.85677	0.269412	0.787613	0.968146	ENSMUSG0A830005F2
ENSMUSG0	6.308095	0.248277	0.922448	0.26915	0.787814	0.968271	ENSMUSG0 Etflb1
ENSMUSG0	4.730822	0.256979	0.954784	0.269149	0.787815	0.968271	ENSMUSG0 Slc36a3os
ENSMUSG0	11.31734	0.142502	0.529679	0.269034	0.787903	0.968318	ENSMUSG0 Gm9993
ENSMUSG0	1690.732	-0.0642	0.238745	-0.26891	0.788002	0.968326	ENSMUSG0 Brd1
ENSMUSG0	489.9997	-0.0662	0.246255	-0.26882	0.78807	0.968326	ENSMUSG0 Lgr4
ENSMUSG0	1341.5	-0.03065	0.114034	-0.26879	0.788092	0.968326	ENSMUSG0 Glib1
ENSMUSG0	1003.948	0.11142	0.414564	0.268764	0.788112	0.968326	ENSMUSG0 Mgp
ENSMUSG0	841.2292	-0.06871	0.255734	-0.26866	0.788193	0.968364	ENSMUSG0 Ltfl1
ENSMUSG0	7355.098	0.059745	0.222582	0.268417	0.788379	0.968531	ENSMUSG0 Igfbp7
ENSMUSG0	34.40224	-0.21616	0.805831	-0.26824	0.788514	0.968568	ENSMUSG0 Foxq1
ENSMUSG0	5284.115	-0.04745	0.176895	-0.26822	0.788527	0.968568	ENSMUSG0 Srsf3

ENSMUSG0	586.8258	0.046934	0.175035	0.26814	0.788592	0.968568	ENSMUSG0	Slc25a42
ENSMUSG0	933.6131	0.040412	0.150726	0.268115	0.788611	0.968568	ENSMUSG0	Hmg20a
ENSMUSG0	119.2282	0.088113	0.328846	0.267947	0.78874	0.968666	ENSMUSG0	Scarf1
ENSMUSG0	856.7946	0.05634	0.210474	0.267683	0.788944	0.968786	ENSMUSG0	Cers6
ENSMUSG0	50.24407	0.114135	0.426463	0.267632	0.788983	0.968786	ENSMUSG0	Mutyh
ENSMUSG0	3.667503	-0.27327	1.021426	-0.26754	0.789052	0.968786	ENSMUSG0	Gm44013
ENSMUSG0	4.004306	0.230729	0.862491	0.267515	0.789073	0.968786	ENSMUSG0	Gm5432
ENSMUSG0	1383.872	-0.06551	0.244886	-0.26749	0.78909	0.968786	ENSMUSG0	Echs1
ENSMUSG0	23.2973	0.121017	0.452642	0.267356	0.789195	0.968853	ENSMUSG0	Apol9b
ENSMUSG0	78.22242	0.124022	0.464204	0.267173	0.789336	0.968905	ENSMUSG0	Cyp27a1
ENSMUSG0	3.433076	0.261412	0.978722	0.267095	0.789396	0.968905	ENSMUSG0	Gm17039
ENSMUSG0	1251.107	-0.0822	0.307821	-0.26704	0.789436	0.968905	ENSMUSG0	Ndufb3
ENSMUSG0	1731.537	0.097004	0.363764	0.266668	0.789725	0.968905	ENSMUSG0	Edem3
ENSMUSG0	213.1969	0.090643	0.339932	0.266652	0.789737	0.968905	ENSMUSG0	Ap4e1
ENSMUSG0	936.0904	-0.04837	0.181432	-0.26662	0.789758	0.968905	ENSMUSG0	Mfap1a
ENSMUSG0	79.1177	-0.10525	0.394791	-0.2666	0.78978	0.968905	ENSMUSG0	Chtf18
ENSMUSG0	924.9918	-0.08773	0.329203	-0.26648	0.789867	0.968905	ENSMUSG0	Stk39
ENSMUSG0	6.043624	-0.21191	0.795433	-0.26641	0.789923	0.968905	ENSMUSG0	Gm48714
ENSMUSG0	27.4964	0.140932	0.529055	0.266385	0.789943	0.968905	ENSMUSG0	Gm29609
ENSMUSG0	3204.079	-0.0849	0.318827	-0.2663	0.790005	0.968905	ENSMUSG0	Arhgef12
ENSMUSG0	414.9603	-0.12778	0.479827	-0.2663	0.790012	0.968905	ENSMUSG0	Misp
ENSMUSG0	265.9597	-0.06647	0.249646	-0.26627	0.790031	0.968905	ENSMUSG0	Zfp641
ENSMUSG0	318.3529	0.034342	0.128978	0.266261	0.790038	0.968905	ENSMUSG0	Ddx20
ENSMUSG0	2217.988	-0.05546	0.208302	-0.26624	0.790057	0.968905	ENSMUSG0	Cic
ENSMUSG0	13.66257	0.148396	0.557872	0.266004	0.790236	0.968905	ENSMUSG0	Gm48653
ENSMUSG0	9.852989	0.12986	0.488216	0.265989	0.790248	0.968905	ENSMUSG0	Sbk3
ENSMUSG0	606.8348	-0.15608	0.587001	-0.26589	0.790321	0.968905	ENSMUSG0	Ly6d
ENSMUSG0	378.5142	0.047429	0.178387	0.265877	0.790334	0.968905	ENSMUSG0	Ercc4
ENSMUSG0	296.6252	-0.07927	0.2982	-0.26582	0.790377	0.968905	ENSMUSG0	Telo2
ENSMUSG0	1005.527	-0.07117	0.267826	-0.26574	0.790439	0.968905	ENSMUSG0	Mrpl12
ENSMUSG0	2627.715	-0.05001	0.188208	-0.2657	0.790471	0.968905	ENSMUSG0	Tmc4
ENSMUSG0	1419.327	-0.05714	0.215122	-0.26562	0.79053	0.968905	ENSMUSG0	Pcna
ENSMUSG0	229.6606	-0.05523	0.208072	-0.26546	0.790655	0.968905	ENSMUSG0	Bcdin3d
ENSMUSG0	1382.433	0.035905	0.135275	0.265424	0.790682	0.968905	ENSMUSG0	Xab2
ENSMUSG0	4132.381	-0.04348	0.163826	-0.2654	0.790705	0.968905	ENSMUSG0	Ppp2r5c
ENSMUSG0	3.426999	0.261715	0.986343	0.265338	0.790749	0.968905	ENSMUSG0	Gm2629
ENSMUSG0	7.651739	0.174907	0.659258	0.265309	0.790772	0.968905	ENSMUSG0	Gm2824
ENSMUSG0	351.8727	0.036319	0.136908	0.265279	0.790794	0.968905	ENSMUSG0	Lrrc57
ENSMUSG0	3794.249	-0.03691	0.139173	-0.2652	0.790854	0.968905	ENSMUSG0	9530068E0
ENSMUSG0	2780.931	-0.07338	0.276685	-0.2652	0.790856	0.968905	ENSMUSG0	Taldo1
ENSMUSG0	1535.965	-0.07152	0.269734	-0.26515	0.790896	0.968905	ENSMUSG0	Dpp8
ENSMUSG0	5.141151	-0.17497	0.660086	-0.26508	0.790949	0.968905	ENSMUSG0	Gm40617
ENSMUSG0	45.08391	0.126905	0.478749	0.265077	0.79095	0.968905	ENSMUSG0	B3gnt7
ENSMUSG0	2643.94	-0.20108	0.759049	-0.26491	0.791081	0.968986	ENSMUSG0	mt-Nd4l
ENSMUSG0	4.24071	-0.24409	0.921582	-0.26486	0.791117	0.968986	ENSMUSG0	Gm26760
ENSMUSG0	853.5701	-0.05945	0.224563	-0.26473	0.791218	0.969049	ENSMUSG0	Tpp2
ENSMUSG0	1744.772	-0.07853	0.296846	-0.26454	0.791363	0.969059	ENSMUSG0	Galnt2
ENSMUSG0	1064.14	0.046578	0.176104	0.26449	0.791402	0.969059	ENSMUSG0	Cdk5
ENSMUSG0	93.16501	-0.12221	0.462134	-0.26444	0.791439	0.969059	ENSMUSG0	A930004J1
ENSMUSG0	1128.417	-0.03704	0.140106	-0.26435	0.791509	0.969059	ENSMUSG0	Khdc4
ENSMUSG0	718.1241	0.05916	0.2238	0.264344	0.791514	0.969059	ENSMUSG0	Btbd3
ENSMUSG0	2681.493	0.063387	0.239816	0.264314	0.791538	0.969059	ENSMUSG0	Sdc4

ENSMUSG0	9.452873	-0.13148	0.49754	-0.26426	0.791579	0.969059	ENSMUSG0 Gm38387
ENSMUSG0	5173.273	-0.04966	0.187993	-0.26414	0.791672	0.96911	ENSMUSG0 Lamp2
ENSMUSG0	1571.305	-0.07853	0.297539	-0.26395	0.791821	0.969201	ENSMUSG0 Nav1
ENSMUSG0	5632.894	0.074441	0.282067	0.263911	0.791848	0.969201	ENSMUSG0 Slc7a2
ENSMUSG0	35.0695	0.153653	0.582353	0.263848	0.791897	0.969201	ENSMUSG0 Slc14a1
ENSMUSG0	838.8988	-0.06697	0.253965	-0.26368	0.792025	0.969237	ENSMUSG0 Fbxo8
ENSMUSG0	2019.003	0.034006	0.128981	0.263648	0.792051	0.969237	ENSMUSG0 Ergic1
ENSMUSG0	1366.727	0.034691	0.131635	0.263542	0.792133	0.969237	ENSMUSG0 Vps4a
ENSMUSG0	2347.529	0.047528	0.180376	0.263494	0.792169	0.969237	ENSMUSG0 Plekha1
ENSMUSG0	5130.532	0.069114	0.262385	0.263407	0.792237	0.969237	ENSMUSG0 Epcam
ENSMUSG0	88.78719	0.070705	0.268449	0.263384	0.792255	0.969237	ENSMUSG0 Gm10516
ENSMUSG0	3.438537	0.2637	1.001519	0.2633	0.792319	0.969237	ENSMUSG0 Gm47113
ENSMUSG0	5.842732	-0.24692	0.938026	-0.26323	0.79237	0.969237	ENSMUSG0 Klr1b1f
ENSMUSG0	35.92397	-0.12017	0.456537	-0.26322	0.79238	0.969237	ENSMUSG0 D730044K0
ENSMUSG0	342.3982	0.099008	0.376757	0.262791	0.792712	0.969392	ENSMUSG0 Ebf1
ENSMUSG0	1486.565	-0.03888	0.14796	-0.26277	0.792727	0.969392	ENSMUSG0 Tomm34
ENSMUSG0	3152.861	-0.03212	0.122272	-0.26271	0.792777	0.969392	ENSMUSG0 Ghitm
ENSMUSG0	3.959923	-0.19165	0.729622	-0.26267	0.792803	0.969392	ENSMUSG0 Tssk4
ENSMUSG0	331.3055	0.061877	0.23561	0.262625	0.79284	0.969392	ENSMUSG0 Stxbp4
ENSMUSG0	90.85774	0.074878	0.285144	0.262599	0.79286	0.969392	ENSMUSG0 Gm44509
ENSMUSG0	402.8145	-0.06845	0.260718	-0.26255	0.792897	0.969392	ENSMUSG0 Zfp507
ENSMUSG0	3.580835	0.246025	0.937117	0.262534	0.79291	0.969392	ENSMUSG0 9930004E1
ENSMUSG0	212.6247	-0.05147	0.19617	-0.26236	0.793044	0.969393	ENSMUSG0 Qrs1
ENSMUSG0	13.5018	0.142823	0.54445	0.262326	0.79307	0.969393	ENSMUSG0 Gm16299
ENSMUSG0	337.06	0.074776	0.285129	0.262253	0.793127	0.969393	ENSMUSG0 Usp54
ENSMUSG0	16.9541	0.121025	0.461539	0.26222	0.793152	0.969393	ENSMUSG0 Gm5466
ENSMUSG0	45.69766	-0.08887	0.3392	-0.26201	0.793314	0.969393	ENSMUSG0 Abca4
ENSMUSG0	1947.715	-0.07353	0.280695	-0.26195	0.793358	0.969393	ENSMUSG0 Fkbp1b
ENSMUSG0	24.19722	-0.15031	0.573929	-0.2619	0.793398	0.969393	ENSMUSG0 AC124502.1
ENSMUSG0	11.93235	-0.17802	0.679988	-0.26179	0.79348	0.969393	ENSMUSG0 Lipc
ENSMUSG0	96.30818	-0.11058	0.422527	-0.26171	0.793545	0.969393	ENSMUSG0 Gm37206
ENSMUSG0	1214.67	-0.07015	0.268067	-0.2617	0.793555	0.969393	ENSMUSG0 Eftud2
ENSMUSG0	22.20766	0.100824	0.385275	0.261695	0.793557	0.969393	ENSMUSG0 Gm5602
ENSMUSG0	8.823317	-0.17584	0.672114	-0.26163	0.79361	0.969393	ENSMUSG0 Gm2447
ENSMUSG0	1489.004	-0.06989	0.26716	-0.26159	0.793638	0.969393	ENSMUSG0 Tmem242
ENSMUSG0	3160.252	0.047652	0.182217	0.26151	0.793699	0.969393	ENSMUSG0 Maged2
ENSMUSG0	109.066	0.062021	0.237191	0.261483	0.79372	0.969393	ENSMUSG0 Tedc1
ENSMUSG0	355.1941	-0.04363	0.166875	-0.26143	0.793762	0.969393	ENSMUSG0 B3galnt2
ENSMUSG0	663.9929	0.039809	0.152279	0.261421	0.793768	0.969393	ENSMUSG0 Ccdc71
ENSMUSG0	449.6758	-0.05707	0.218502	-0.26119	0.793942	0.969516	ENSMUSG0 Invs
ENSMUSG0	809.4392	-0.03341	0.127951	-0.26109	0.794022	0.969516	ENSMUSG0 Klf7
ENSMUSG0	23.73903	-0.11875	0.454874	-0.26106	0.794047	0.969516	ENSMUSG0 Depdc1a
ENSMUSG0	6.608872	-0.1946	0.745519	-0.26102	0.794075	0.969516	ENSMUSG0 Gm47690
ENSMUSG0	2272.308	0.07698	0.294994	0.260956	0.794127	0.969516	ENSMUSG0 Zc3h15
ENSMUSG0	2272.924	0.043473	0.166649	0.260866	0.794196	0.969516	ENSMUSG0 Rab6a
ENSMUSG0	353.6656	-0.05207	0.199632	-0.26081	0.794241	0.969516	ENSMUSG0 Cnksr3
ENSMUSG0	3.836018	-0.26397	1.012312	-0.26076	0.794275	0.969516	ENSMUSG0 Gm43011
ENSMUSG0	2.927329	0.250071	0.959524	0.26062	0.794386	0.969516	ENSMUSG0 Gm28187
ENSMUSG0	353.8811	0.059778	0.229397	0.260587	0.794411	0.969516	ENSMUSG0 Fen1
ENSMUSG0	109.6824	0.066999	0.257149	0.260547	0.794442	0.969516	ENSMUSG0 Tmem221
ENSMUSG0	3.609783	-0.23637	0.90754	-0.26045	0.794513	0.969516	ENSMUSG0 Gm26583
ENSMUSG0	670.6912	-0.10709	0.41117	-0.26044	0.794524	0.969516	ENSMUSG0 Gm15387

ENSMUSG0	3.960393	0.23403	0.899465	0.260188	0.794719	0.969693	ENSMUSG0 Gm39321
ENSMUSG0	89.07695	-0.06382	0.24545	-0.26001	0.794854	0.969747	ENSMUSG0 Mzf1
ENSMUSG0	418.7109	0.069109	0.265803	0.26	0.794864	0.969747	ENSMUSG0 Ddx51
ENSMUSG0	26.19854	-0.39547	1.522388	-0.25977	0.795043	0.969904	ENSMUSG0 Gm47924
ENSMUSG0	98.10908	0.064768	0.249409	0.259687	0.795105	0.969918	ENSMUSG0 Ptrh1
ENSMUSG0	4450.074	0.042528	0.163823	0.259598	0.795174	0.969941	ENSMUSG0 Prkcsb
ENSMUSG0	10.81853	0.204657	0.789078	0.259363	0.795356	0.970101	ENSMUSG02900052N0
ENSMUSG0	9.814976	-0.22925	0.884992	-0.25904	0.795606	0.970154	ENSMUSG0 Igkv4-57-1
ENSMUSG0	46.89305	0.074047	0.285872	0.259022	0.795618	0.970154	ENSMUSG04921507P0
ENSMUSG0	5.015176	-0.2118	0.818191	-0.25887	0.795737	0.970154	ENSMUSG0 Ppm1n
ENSMUSG0	1590.401	-0.06062	0.234222	-0.25881	0.795783	0.970154	ENSMUSG0 Cfdp1
ENSMUSG0	403.5029	0.063552	0.245658	0.258703	0.795864	0.970154	ENSMUSG0 Ndufaf8
ENSMUSG0	3.020015	-0.24211	0.935908	-0.25869	0.795877	0.970154	ENSMUSG0 Gm6278
ENSMUSG0	49.64248	0.101132	0.391189	0.258524	0.796002	0.970154	ENSMUSG0 Tlcd2
ENSMUSG0	32.38229	0.16873	0.652839	0.258456	0.796055	0.970154	ENSMUSG0 Ch25h
ENSMUSG0	653.435	-0.10209	0.395017	-0.25845	0.796059	0.970154	ENSMUSG0 Lyst
ENSMUSG0	6.399108	0.282491	1.093477	0.258342	0.796143	0.970154	ENSMUSG0 Kcng4
ENSMUSG0	179.7799	-0.06491	0.251273	-0.25832	0.796157	0.970154	ENSMUSG0 Tamm41
ENSMUSG0	183.1353	0.073169	0.283517	0.258075	0.796349	0.970154	ENSMUSG0 Rabi2
ENSMUSG0	1673.55	0.061913	0.239983	0.257988	0.796416	0.970154	ENSMUSG0 Mink1
ENSMUSG0	386.2943	-0.06317	0.244888	-0.25794	0.79645	0.970154	ENSMUSG0 Khlh28
ENSMUSG0	80.7936	-0.07653	0.29672	-0.25793	0.79646	0.970154	ENSMUSG0 Zfp442
ENSMUSG0	3408.875	-0.06546	0.253841	-0.25789	0.796492	0.970154	ENSMUSG0 Sf1
ENSMUSG0	18.53199	-0.11042	0.428226	-0.25786	0.796516	0.970154	ENSMUSG0 Vcp-rs
ENSMUSG0	28.34572	-0.10096	0.391581	-0.25782	0.796548	0.970154	ENSMUSG0 Rprm
ENSMUSG0	3070.752	-0.05666	0.219785	-0.2578	0.796563	0.970154	ENSMUSG0 Hipk3
ENSMUSG0	272.6644	-0.0526	0.204062	-0.25778	0.796579	0.970154	ENSMUSG0 Usb1
ENSMUSG0	730.5939	-0.04875	0.189168	-0.25772	0.796623	0.970154	ENSMUSG0 Bop1
ENSMUSG0	2340.814	0.063845	0.247859	0.257584	0.796728	0.970154	ENSMUSG0 Fuca1
ENSMUSG0	29.27398	-0.21791	0.846582	-0.2574	0.796866	0.970154	ENSMUSG0 Col6a4
ENSMUSG0	840.3182	0.065358	0.253964	0.257353	0.796906	0.970154	ENSMUSG0 Alad
ENSMUSG0	5.003784	-0.19065	0.741072	-0.25726	0.796977	0.970154	ENSMUSG0 Gm10335
ENSMUSG0	2003.11	0.053411	0.207784	0.257049	0.797141	0.970154	ENSMUSG0 Aldh2
ENSMUSG0	915.4499	-0.03014	0.117436	-0.25662	0.79747	0.970154	ENSMUSG0 Dcaf12
ENSMUSG0	277.361	0.047789	0.186449	0.25631	0.797711	0.970154	ENSMUSG0 Reep4
ENSMUSG0	820.7784	0.070723	0.276042	0.256202	0.797795	0.970154	ENSMUSG0 Thoc1
ENSMUSG0	707.786	-0.05798	0.226292	-0.2562	0.797799	0.970154	ENSMUSG0 Samd8
ENSMUSG0	542.2805	-0.04147	0.161909	-0.25613	0.797848	0.970154	ENSMUSG0 Nkapd1
ENSMUSG0	222.0742	0.127089	0.496293	0.256075	0.797893	0.970154	ENSMUSG0 Ltbp2
ENSMUSG0	4359.354	-0.07523	0.293795	-0.25607	0.797899	0.970154	ENSMUSG0 Rpl37
ENSMUSG0	4369.089	0.039068	0.152624	0.255972	0.797972	0.970154	ENSMUSG0 Setd3
ENSMUSG0	26.50445	0.156573	0.611715	0.255957	0.797984	0.970154	ENSMUSG0 Gm10570
ENSMUSG0	64.11391	0.07176	0.280401	0.25592	0.798012	0.970154	ENSMUSG0 Krtap17-1
ENSMUSG0	843.709	-0.06978	0.272779	-0.25581	0.798097	0.970154	ENSMUSG0 Kcnc3
ENSMUSG0	1015.133	0.038938	0.152243	0.255759	0.798137	0.970154	ENSMUSG0 Mtmr2
ENSMUSG0	580.075	0.056427	0.220717	0.255651	0.79822	0.970154	ENSMUSG0 Rpl12
ENSMUSG0	2285.063	-0.05415	0.211831	-0.25562	0.798243	0.970154	ENSMUSG0 Psmc1
ENSMUSG0	525.3164	-0.03976	0.155574	-0.2556	0.798263	0.970154	ENSMUSG0 Pcsk7
ENSMUSG0	66.1194	0.181194	0.708954	0.255579	0.798276	0.970154	ENSMUSG0 Upk3b
ENSMUSG0	484.1373	-0.06437	0.251958	-0.25547	0.798359	0.970154	ENSMUSG0 Cyp2j6
ENSMUSG0	698.9218	0.044612	0.174649	0.255441	0.798383	0.970154	ENSMUSG0 Usp46
ENSMUSG0	1896.13	0.074177	0.290389	0.255439	0.798384	0.970154	ENSMUSG0 Psma5

ENSMUSG0	42.85045	0.090223	0.353216	0.255434	0.798388	0.970154	ENSMUSG0 Sbsn
ENSMUSG0	87.54341	0.07182	0.281202	0.255402	0.798413	0.970154	ENSMUSG0 Gm10699
ENSMUSG0	368.9881	0.04843	0.18965	0.255364	0.798442	0.970154	ENSMUSG0 Mapk7
ENSMUSG0	19.24055	-0.12917	0.505906	-0.25533	0.798466	0.970154	ENSMUSG0 Gm45553
ENSMUSG0	417.0492	-0.06609	0.258905	-0.25528	0.798506	0.970154	ENSMUSG0 Nek1
ENSMUSG0	252.3495	-0.05814	0.227852	-0.25515	0.798604	0.970154	ENSMUSG0 Wdr44
ENSMUSG0	2745.753	-0.04182	0.16393	-0.2551	0.798646	0.970154	ENSMUSG0 Supt6
ENSMUSG0	11.33488	0.124633	0.488677	0.255042	0.798691	0.970154	ENSMUSG0 Slfn3
ENSMUSG0	19.19271	-0.11981	0.469763	-0.25503	0.798697	0.970154	ENSMUSG0 Gm44430
ENSMUSG0	679.083	0.04097	0.160668	0.254997	0.798725	0.970154	ENSMUSG0 Hgsnat
ENSMUSG0	1520.181	-0.06034	0.236736	-0.25488	0.798818	0.970154	ENSMUSG0 Cdc42bpg
ENSMUSG0	1215.783	-0.07162	0.281011	-0.25487	0.798826	0.970154	ENSMUSG0 Prr15l
ENSMUSG0	608.6643	-0.07675	0.301143	-0.25485	0.798839	0.970154	ENSMUSG0 Zfp280d
ENSMUSG0	6.240841	-0.23641	0.927762	-0.25482	0.798865	0.970154	ENSMUSG0 Gm41396
ENSMUSG0	203.4493	0.113049	0.44373	0.254771	0.7989	0.970154	ENSMUSG0 Gm3055
ENSMUSG0	3842.657	0.05283	0.207378	0.254751	0.798915	0.970154	ENSMUSG0 Gabarapl1
ENSMUSG0	126.1273	0.049171	0.193032	0.25473	0.798932	0.970154	ENSMUSG0 Hyls1
ENSMUSG0	45.73348	0.089638	0.352086	0.254591	0.799039	0.970154	ENSMUSG0 Cenpw
ENSMUSG0	7.535668	-0.16077	0.631698	-0.2545	0.799108	0.970154	ENSMUSG0 Trim17
ENSMUSG0	1994.959	-0.05259	0.206689	-0.25446	0.799143	0.970154	ENSMUSG0 Ube2j1
ENSMUSG0	5.113693	0.18429	0.724508	0.254366	0.799213	0.970154	ENSMUSG0 H1f11-ps
ENSMUSG0	2254.875	-0.07023	0.276123	-0.25435	0.799228	0.970154	ENSMUSG0 Ndufa13
ENSMUSG0	1664.434	0.08427	0.331513	0.254199	0.799342	0.970154	ENSMUSG0 Erbin
ENSMUSG0	1199.21	0.052887	0.208121	0.254115	0.799407	0.970154	ENSMUSG0 Tob2
ENSMUSG0	48.72987	-0.11803	0.464645	-0.25403	0.799475	0.970154	ENSMUSG0 Gm49405
ENSMUSG0	275.2616	-0.06901	0.271658	-0.25402	0.799483	0.970154	ENSMUSG0 Myo7a
ENSMUSG0	28.90958	0.219059	0.862649	0.253937	0.799544	0.970154	ENSMUSG0 Zbtb32
ENSMUSG0	503.2495	0.070465	0.277494	0.253935	0.799546	0.970154	ENSMUSG0 Strn
ENSMUSG0	12.21018	0.231206	0.910579	0.253911	0.799564	0.970154	ENSMUSG0 Gm17024
ENSMUSG0	5.847806	0.291166	1.146915	0.253869	0.799597	0.970154	ENSMUSG0 Klra17
ENSMUSG0	3083.067	0.080194	0.315946	0.253823	0.799632	0.970154	ENSMUSG0 Hint1
ENSMUSG0	54.49978	-0.17073	0.672634	-0.25382	0.799634	0.970154	ENSMUSG0 Retnla
ENSMUSG0	7.128341	-0.15015	0.591694	-0.25376	0.799684	0.970154	ENSMUSG0 Gm46378
ENSMUSG0	19.6973	0.208551	0.822302	0.253618	0.79979	0.970154	ENSMUSG0 C130026l21
ENSMUSG0	758.2518	-0.03664	0.144489	-0.25357	0.799828	0.970154	ENSMUSG0 Ankmy2
ENSMUSG0	4857.772	-0.03634	0.143338	-0.25353	0.799862	0.970154	ENSMUSG0 Rac1
ENSMUSG0	644.3817	0.049452	0.195079	0.253495	0.799886	0.970154	ENSMUSG0 Eed
ENSMUSG0	485.6264	0.109133	0.430622	0.25343	0.799936	0.970154	ENSMUSG0 Plek
ENSMUSG0	498.5611	-0.07578	0.29906	-0.2534	0.799958	0.970154	ENSMUSG0 Mrpl57
ENSMUSG0	1517.902	-0.07219	0.284888	-0.2534	0.799959	0.970154	ENSMUSG0 Uqcr10
ENSMUSG0	3.947599	-0.30144	1.189604	-0.25339	0.799964	0.970154	ENSMUSG0 Gm25483
ENSMUSG0	741.9927	-0.0573	0.226179	-0.25334	0.800005	0.970154	ENSMUSG0 Ppp1r21
ENSMUSG0	737.6926	0.047507	0.187547	0.253307	0.800031	0.970154	ENSMUSG0 Dennd3
ENSMUSG0	2416.335	-0.06754	0.266694	-0.25324	0.800085	0.970154	ENSMUSG0 Psma7
ENSMUSG0	6.368113	0.182633	0.721396	0.253166	0.80014	0.970154	ENSMUSG0 Gm10076
ENSMUSG0	440.691	-0.05102	0.201538	-0.25314	0.800164	0.970154	ENSMUSG0 Nxt2
ENSMUSG0	291.3407	0.067363	0.266157	0.253096	0.800194	0.970154	ENSMUSG0 Simc1
ENSMUSG0	646.5019	-0.03714	0.146865	-0.25288	0.800359	0.970154	ENSMUSG0 Gfm1
ENSMUSG0	4.156379	-0.20435	0.808371	-0.2528	0.800426	0.970154	ENSMUSG0 Gm26810
ENSMUSG0	580.9839	0.066288	0.262242	0.252774	0.800443	0.970154	ENSMUSG0 C1qtnf4
ENSMUSG0	88.55913	0.065369	0.258619	0.25276	0.800454	0.970154	ENSMUSG0 Zfp11
ENSMUSG0	36788.32	-0.04325	0.171173	-0.25265	0.800541	0.970154	ENSMUSG0 Scg3

ENSMUSG0	10.98621	-0.16258	0.643523	-0.25264	0.800545	0.970154	ENSMUSG0 Ms4a6d
ENSMUSG0	537.5611	0.053958	0.213596	0.252618	0.800564	0.970154	ENSMUSG0 Tecpr2
ENSMUSG0	551.3502	-0.04464	0.176713	-0.25259	0.800585	0.970154	ENSMUSG0 Mkrrn2
ENSMUSG0	6154.987	0.076056	0.301143	0.252559	0.800609	0.970154	ENSMUSG0 Psmb4
ENSMUSG0	11.45439	0.144462	0.572175	0.252478	0.800672	0.970154	ENSMUSG0 Gm43162
ENSMUSG0	35.83525	0.141321	0.559884	0.25241	0.800724	0.970154	ENSMUSG0 Gm13212
ENSMUSG0	3513.486	-0.07805	0.309349	-0.2523	0.800813	0.970154	ENSMUSG0 Luc7l2
ENSMUSG0	1577.779	-0.03188	0.126407	-0.25223	0.800861	0.970154	ENSMUSG0 Btrc
ENSMUSG0	29.85786	-0.1084	0.429777	-0.25223	0.800864	0.970154	ENSMUSG0 Dnd1
ENSMUSG0	2495.84	-0.0543	0.215362	-0.25214	0.800932	0.970154	ENSMUSG0 Ocr1
ENSMUSG0	18.40366	0.159023	0.630715	0.252132	0.800939	0.970154	ENSMUSG0 Gm33869
ENSMUSG0	7.752211	-0.14003	0.555401	-0.25212	0.800947	0.970154	ENSMUSG0 Gm42515
ENSMUSG0	211.7254	-0.04972	0.197393	-0.25189	0.801127	0.970311	ENSMUSG0 Zfp438
ENSMUSG0	198.1223	-0.07987	0.31724	-0.25177	0.801217	0.970345	ENSMUSG0 Spaca6
ENSMUSG0	1314.529	0.081623	0.324446	0.251576	0.801369	0.970345	ENSMUSG0 Taok1
ENSMUSG0	5.561418	-0.17686	0.703404	-0.25143	0.801482	0.970345	ENSMUSG0 Gm39526
ENSMUSG0	7298.937	-0.08856	0.352245	-0.25141	0.801499	0.970345	ENSMUSG0 Rpl27a
ENSMUSG0	439.8728	0.07065	0.281033	0.251395	0.801509	0.970345	ENSMUSG0 Spred2
ENSMUSG0	8025.64	-0.08306	0.330489	-0.25131	0.801574	0.970345	ENSMUSG0 Eif3a
ENSMUSG0	218.0749	-0.06406	0.254933	-0.25129	0.801591	0.970345	ENSMUSG0 Fer
ENSMUSG0	858.2415	-0.03922	0.156064	-0.25128	0.801595	0.970345	ENSMUSG0 Zrsr1
ENSMUSG0	3.743878	0.460507	1.832989	0.251233	0.801634	0.970345	ENSMUSG0 Gm29719
ENSMUSG0	50.74987	0.110888	0.441433	0.2512	0.80166	0.970345	ENSMUSG0 Ncapg
ENSMUSG0	541.7255	-0.04955	0.197379	-0.25106	0.801768	0.970415	ENSMUSG0 Ddx39
ENSMUSG0	3.686443	-0.26328	1.049489	-0.25087	0.801916	0.970426	ENSMUSG0 A930028O1
ENSMUSG0	471.846	-0.0439	0.175047	-0.2508	0.801972	0.970426	ENSMUSG0 Rpp14
ENSMUSG0	469.5985	0.04657	0.185691	0.250794	0.801973	0.970426	ENSMUSG0 Nudcd2
ENSMUSG0	145.9883	0.054371	0.216802	0.250787	0.801979	0.970426	ENSMUSG0 Taf5
ENSMUSG0	1033.215	-0.08275	0.330219	-0.25058	0.80214	0.9705	ENSMUSG0 Map3k2
ENSMUSG0	368.9447	0.058635	0.233999	0.250578	0.802141	0.9705	ENSMUSG0 Kifc2
ENSMUSG0	23.43971	0.120891	0.482741	0.250426	0.802258	0.970564	ENSMUSG0 Mfsd7a
ENSMUSG0	1374.026	-0.06277	0.250745	-0.25034	0.802323	0.970564	ENSMUSG0 Nsmce4a
ENSMUSG0	828.5948	0.05208	0.208061	0.250313	0.802345	0.970564	ENSMUSG0 Mboat7
ENSMUSG0	990.9877	-0.0491	0.196191	-0.25025	0.802397	0.970565	ENSMUSG0 Cep63
ENSMUSG0	1377.472	-0.06649	0.265854	-0.25011	0.802506	0.970636	ENSMUSG0 Esyt2
ENSMUSG0	220.2769	-0.05441	0.217614	-0.25002	0.802575	0.970658	ENSMUSG0 Trps1
ENSMUSG0	253.9069	0.058663	0.234771	0.249874	0.802685	0.970725	ENSMUSG0 9530077C0
ENSMUSG0	2077.19	-0.06118	0.244887	-0.24982	0.80273	0.970725	ENSMUSG0 Clip1
ENSMUSG0	5.01891	0.192932	0.772728	0.249677	0.802837	0.970759	ENSMUSG0 Gm10226
ENSMUSG0	288.8589	0.055761	0.223359	0.249648	0.80286	0.970759	ENSMUSG0 Eogt
ENSMUSG0	3156.43	-0.03307	0.132605	-0.2494	0.803049	0.97078	ENSMUSG0 Cd47
ENSMUSG0	6995.21	0.054944	0.220361	0.249336	0.803101	0.97078	ENSMUSG0 Prpf8
ENSMUSG0	37.35917	-0.07952	0.319088	-0.24921	0.803197	0.97078	ENSMUSG0 Gm20163
ENSMUSG0	4422.562	-0.07891	0.316671	-0.24919	0.803212	0.97078	ENSMUSG0 Eif5b
ENSMUSG0	923.6845	0.060332	0.242135	0.249167	0.803232	0.97078	ENSMUSG0 Fmr1
ENSMUSG0	1974.585	-0.07081	0.284182	-0.24917	0.803233	0.97078	ENSMUSG0 Brd4
ENSMUSG0	61.82714	-0.06452	0.259033	-0.24907	0.803307	0.97078	ENSMUSG0 Gm47882
ENSMUSG0	579.8107	-0.03632	0.145848	-0.24905	0.803326	0.97078	ENSMUSG0 E2f6
ENSMUSG0	119.5075	0.113325	0.455192	0.248962	0.80339	0.97078	ENSMUSG0 Ms4a7
ENSMUSG0	19.87851	-0.19537	0.78521	-0.24881	0.803508	0.97078	ENSMUSG0 Adgra1
ENSMUSG0	903.3011	0.040625	0.163297	0.248778	0.803532	0.97078	ENSMUSG0 Krr1
ENSMUSG0	46.34697	-0.17645	0.709363	-0.24874	0.803562	0.97078	ENSMUSG0 Abcb11

ENSMUSG0	5624.297	-0.07181	0.288792	-0.24867	0.803613	0.97078	ENSMUSG0 Prdx1
ENSMUSG0	8.9861	-0.14739	0.593064	-0.24852	0.80373	0.97078	ENSMUSG0 Gm48600
ENSMUSG0	513.8071	-0.04011	0.161539	-0.2483	0.8039	0.97078	ENSMUSG0 Kyat1
ENSMUSG0	260.9127	-0.09143	0.368321	-0.24825	0.803945	0.97078	ENSMUSG0 Cd38
ENSMUSG0	1565.497	0.045526	0.183397	0.248238	0.80395	0.97078	ENSMUSG0 Mapk1ip1l
ENSMUSG0	5.81127	0.179592	0.724059	0.248035	0.804107	0.97078	ENSMUSG0 Gm42903
ENSMUSG0	1926.102	0.077678	0.313302	0.247932	0.804187	0.97078	ENSMUSG0 Impad1
ENSMUSG0	214.5649	-0.12793	0.515996	-0.24792	0.804196	0.97078	ENSMUSG0 Ly86
ENSMUSG0	230.7641	0.100296	0.404582	0.2479	0.804212	0.97078	ENSMUSG0 Cmc2
ENSMUSG0	3.589954	-0.3599	1.451849	-0.24789	0.804218	0.97078	ENSMUSG0 Rpl10-ps5
ENSMUSG0	2249.863	0.075394	0.304156	0.24788	0.804227	0.97078	ENSMUSG0 Nfat5
ENSMUSG0	721.1349	0.077659	0.313354	0.247833	0.804264	0.97078	ENSMUSG0 Nufip2
ENSMUSG0	2242.668	0.041816	0.168815	0.247704	0.804363	0.97078	ENSMUSG0 Elp2
ENSMUSG0	995.2357	-0.04618	0.186479	-0.24765	0.804402	0.97078	ENSMUSG0 Map3k4
ENSMUSG0	904.4547	-0.03714	0.149983	-0.24762	0.80443	0.97078	ENSMUSG0 Abcf2
ENSMUSG0	561.078	0.03344	0.135072	0.24757	0.804467	0.97078	ENSMUSG0 Osbpl3
ENSMUSG0	405.812	0.059038	0.238481	0.24756	0.804475	0.97078	ENSMUSG0 Msi1
ENSMUSG0	359.071	0.04145	0.167442	0.247548	0.804484	0.97078	ENSMUSG0 Sec61a2
ENSMUSG0	159.9655	0.089485	0.361535	0.247513	0.804511	0.97078	ENSMUSG0 Adamts6
ENSMUSG0	1174.092	-0.07876	0.318244	-0.24748	0.804534	0.97078	ENSMUSG0 Lmbrd2
ENSMUSG0	106.9183	-0.06683	0.270113	-0.24742	0.804579	0.97078	ENSMUSG0 Fignl2
ENSMUSG0	724.4918	0.047496	0.192033	0.247331	0.804652	0.97078	ENSMUSG0 Fam193a
ENSMUSG0	53.31447	-0.09993	0.404435	-0.24709	0.804841	0.97078	ENSMUSG0 Gm17092
ENSMUSG0	751.7201	-0.03648	0.147652	-0.24705	0.804873	0.97078	ENSMUSG0 Nit1
ENSMUSG0	651.8527	0.041813	0.169348	0.246905	0.804982	0.97078	ENSMUSG0 Med1
ENSMUSG0	1946.328	-0.08616	0.349006	-0.24688	0.804998	0.97078	ENSMUSG0 S100a11
ENSMUSG0	79.11993	-0.09543	0.386886	-0.24667	0.805166	0.97078	ENSMUSG0 Gm48368
ENSMUSG0	286.6248	0.055716	0.225879	0.246663	0.805169	0.97078	ENSMUSG0 Dnm3
ENSMUSG0	1240.479	-0.04932	0.199953	-0.24665	0.805182	0.97078	ENSMUSG0 Ube2e1
ENSMUSG0	663.3328	-0.04664	0.189121	-0.24662	0.805205	0.97078	ENSMUSG0 Cwc25
ENSMUSG0	539.6034	0.035459	0.143803	0.246582	0.805232	0.97078	ENSMUSG0 Exosc2
ENSMUSG0	195.4305	0.05571	0.225938	0.246572	0.805239	0.97078	ENSMUSG0 Aldh1b1
ENSMUSG0	9.274012	0.12976	0.526355	0.246525	0.805276	0.97078	ENSMUSG0 Gm44616
ENSMUSG0	817.6006	-0.05474	0.222182	-0.24639	0.80538	0.97078	ENSMUSG0 Hmces
ENSMUSG0	255.5339	0.073571	0.298641	0.246351	0.80541	0.97078	ENSMUSG0 9130016M:
ENSMUSG0	1101.922	0.07531	0.305802	0.24627	0.805473	0.97078	ENSMUSG0 Kdm6b
ENSMUSG0	14.80606	0.155729	0.632356	0.246268	0.805475	0.97078	ENSMUSG0 Gng13
ENSMUSG0	139.2651	0.71072	2.886554	0.246217	0.805514	0.97078	ENSMUSG0 Gm10443
ENSMUSG0	5145.324	0.052549	0.213456	0.246183	0.80554	0.97078	ENSMUSG0 Hmgb1
ENSMUSG0	13.55906	-0.16836	0.684213	-0.24607	0.805628	0.97078	ENSMUSG0 Gm11847
ENSMUSG0	575.5671	0.05741	0.233322	0.246056	0.805639	0.97078	ENSMUSG0 Il3ra
ENSMUSG0	537.3312	0.043175	0.175487	0.246028	0.805661	0.97078	ENSMUSG0 Sall2
ENSMUSG0	79.97333	-0.07192	0.292369	-0.24599	0.805688	0.97078	ENSMUSG0 Rpp25
ENSMUSG0	4147.3	-0.05725	0.232755	-0.24597	0.805703	0.97078	ENSMUSG0 Cltb
ENSMUSG0	3.225123	-0.22192	0.902726	-0.24584	0.805809	0.970847	ENSMUSG0 Slc17a8
ENSMUSG0	890.0684	-0.06835	0.278209	-0.24566	0.805945	0.970949	ENSMUSG0 Gng10
ENSMUSG0	29.36826	0.088027	0.358451	0.245576	0.80601	0.970968	ENSMUSG0 Sapcd1
ENSMUSG0	338.4673	0.044822	0.182573	0.245503	0.806067	0.970976	ENSMUSG0 Pyroxd1
ENSMUSG0	976.6853	-0.04016	0.163648	-0.24541	0.806139	0.971001	ENSMUSG0 Sh3bp5l
ENSMUSG0	5.63066	-0.23655	0.965467	-0.24502	0.806444	0.971129	ENSMUSG0 Gm38057
ENSMUSG0	98.5152	-0.05529	0.225752	-0.24491	0.806524	0.971129	ENSMUSG0 Catsper2
ENSMUSG0	14.35703	-0.10961	0.447617	-0.24488	0.806546	0.971129	ENSMUSG0 Gm15559

ENSMUSG0	641.6964	-0.07459	0.304774	-0.24474	0.806656	0.971129	ENSMUSG0 Kat6b
ENSMUSG0	67.10817	-0.08608	0.351867	-0.24463	0.806741	0.971129	ENSMUSG0C9530085L1
ENSMUSG0	2332.659	-0.0803	0.328424	-0.24451	0.806833	0.971129	ENSMUSG0 Cisd1
ENSMUSG0	547.2388	-0.03727	0.152427	-0.24449	0.806848	0.971129	ENSMUSG0 Snapc4
ENSMUSG0	2954.758	0.051938	0.212437	0.244487	0.806854	0.971129	ENSMUSG0 Gpat4
ENSMUSG0	3.56091	0.198735	0.81316	0.244398	0.806922	0.971129	ENSMUSG0 Gm44698
ENSMUSG0	7.070578	-0.17465	0.714742	-0.24435	0.806959	0.971129	ENSMUSG0 Gm23262
ENSMUSG0	4.971768	0.158649	0.649282	0.244346	0.806963	0.971129	ENSMUSG0 Gm41804
ENSMUSG0	298.473	-0.08758	0.358446	-0.24433	0.806972	0.971129	ENSMUSG0 Cmc1
ENSMUSG0	49.43182	0.158251	0.647927	0.244243	0.807043	0.971129	ENSMUSG0 Hs3st3b1
ENSMUSG0	398.3852	0.05537	0.226794	0.244143	0.80712	0.971129	ENSMUSG0 Homez
ENSMUSG0	4881.698	-0.06984	0.286136	-0.24407	0.80718	0.971129	ENSMUSG0 Psmd2
ENSMUSG0	91.45905	0.059053	0.242039	0.243982	0.807245	0.971129	ENSMUSG0 Zfp595
ENSMUSG0	1199.892	-0.04235	0.173622	-0.24393	0.807285	0.971129	ENSMUSG0 Ambra1
ENSMUSG0	1190.775	-0.04388	0.179942	-0.24388	0.807322	0.971129	ENSMUSG0 Ank3
ENSMUSG0	919.7904	0.1227	0.503215	0.243833	0.80736	0.971129	ENSMUSG0 Dcn
ENSMUSG0	1077.479	-0.03418	0.140288	-0.24367	0.807489	0.971129	ENSMUSG0 Crebzf
ENSMUSG0	648.9865	-0.06642	0.272695	-0.24356	0.807573	0.971129	ENSMUSG0 Lrp12
ENSMUSG0	18.66271	-0.1938	0.795717	-0.24355	0.807579	0.971129	ENSMUSG0 Xlr4c
ENSMUSG0	748.8644	0.036878	0.151426	0.243538	0.807588	0.971129	ENSMUSG0 Abhd17b
ENSMUSG0	510.9532	0.065411	0.268595	0.243531	0.807594	0.971129	ENSMUSG0 Pou2f1
ENSMUSG0	387.3653	-0.05643	0.231898	-0.24334	0.807742	0.971129	ENSMUSG0 AI987944
ENSMUSG0	579.5572	0.0526	0.216369	0.243105	0.807924	0.971129	ENSMUSG0 Zfp60
ENSMUSG0	1499.538	0.06407	0.263659	0.243005	0.808002	0.971129	ENSMUSG0 Akap8
ENSMUSG0	599.8456	0.029293	0.120558	0.242975	0.808025	0.971129	ENSMUSG0 Lmn2
ENSMUSG0	251.5854	0.071217	0.293194	0.2429	0.808083	0.971129	ENSMUSG0 Zfp862-ps
ENSMUSG0	1150.235	-0.05109	0.210322	-0.2429	0.808084	0.971129	ENSMUSG0 Rab25
ENSMUSG0	454.0786	0.052304	0.215423	0.242796	0.808163	0.971129	ENSMUSG0 Snrpa1
ENSMUSG0	2849.643	0.050526	0.208116	0.242778	0.808177	0.971129	ENSMUSG0 Zranb1
ENSMUSG0	1140.61	0.08137	0.335196	0.242753	0.808197	0.971129	ENSMUSG0 Arhgap21
ENSMUSG0	384.5921	-0.0324	0.133464	-0.24274	0.808207	0.971129	ENSMUSG0 Phka2
ENSMUSG0	5.343976	0.20427	0.841574	0.242724	0.80822	0.971129	ENSMUSG0D430041DC
ENSMUSG0	7.975445	0.168531	0.694813	0.242556	0.80835	0.971129	ENSMUSG0 Gm10785
ENSMUSG0	270.4071	-0.05631	0.232171	-0.24255	0.808354	0.971129	ENSMUSG0 Tusc1
ENSMUSG0	1102.065	-0.03242	0.133693	-0.24248	0.808407	0.971129	ENSMUSG0 Eif2ak1
ENSMUSG0	7.623777	0.162736	0.671184	0.242461	0.808423	0.971129	ENSMUSG02900060B1
ENSMUSG0	12.76623	0.122309	0.504721	0.24233	0.808525	0.971129	ENSMUSG0 Gm42670
ENSMUSG0	372.4217	-0.04504	0.185943	-0.24225	0.80859	0.971129	ENSMUSG0 Ptprr
ENSMUSG0	5.417918	-0.14593	0.602776	-0.2421	0.808704	0.971129	ENSMUSG0 Gm10658
ENSMUSG0	205.7271	-0.06701	0.276904	-0.242	0.80878	0.971129	ENSMUSG0 Exosc8
ENSMUSG0	2068.523	-0.04244	0.175404	-0.24198	0.808798	0.971129	ENSMUSG0 Mgrn1
ENSMUSG0	3.022097	0.290349	1.199996	0.241958	0.808813	0.971129	ENSMUSG0 Dlx6
ENSMUSG0	48.52539	-0.16703	0.690444	-0.24192	0.808843	0.971129	ENSMUSG0 Gm49015
ENSMUSG0	456.8907	0.050212	0.207563	0.241914	0.808847	0.971129	ENSMUSG0 Txlng
ENSMUSG0	202.0084	-0.0598	0.247234	-0.24187	0.808879	0.971129	ENSMUSG0 Gar1
ENSMUSG0	128.9606	0.0861	0.356051	0.241819	0.808921	0.971129	ENSMUSG0 Pih1d2
ENSMUSG0	318.3924	0.063193	0.261381	0.241765	0.808962	0.971129	ENSMUSG0 Ppil1
ENSMUSG0	20.09137	-0.0911	0.376898	-0.24172	0.808997	0.971129	ENSMUSG0 Gm10409
ENSMUSG0	18.55008	-0.145	0.600205	-0.24159	0.809097	0.971129	ENSMUSG0 Gm43843
ENSMUSG0	2739.946	-0.05788	0.239703	-0.24147	0.809189	0.971129	ENSMUSG0 Uqcrfs1
ENSMUSG0	5.228215	0.213998	0.886222	0.241473	0.809189	0.971129	ENSMUSG0 Gm8281
ENSMUSG0	48.89349	0.114579	0.474715	0.241365	0.809272	0.971129	ENSMUSG0 Kcnk6

ENSMUSG0	31.13017	0.110404	0.457455	0.241344	0.809289	0.971129	ENSMUSG0 Gm47210
ENSMUSG0	2107.446	-0.045	0.186484	-0.24128	0.809337	0.971129	ENSMUSG0 Uhmk1
ENSMUSG0	160.1952	0.061778	0.256046	0.241276	0.809341	0.971129	ENSMUSG0 Gm14305
ENSMUSG0	514.803	-0.03835	0.158995	-0.24122	0.809382	0.971129	ENSMUSG0 Nol11
ENSMUSG0	7.677395	0.169721	0.703682	0.24119	0.809408	0.971129	ENSMUSG0 Rnf212b
ENSMUSG0	11.34419	0.14994	0.621712	0.241173	0.809421	0.971129	ENSMUSG0 Eid3
ENSMUSG0	1065.295	-0.04855	0.201326	-0.24115	0.809436	0.971129	ENSMUSG0 Odr4
ENSMUSG0	83.12929	-0.08049	0.33399	-0.24099	0.809562	0.971129	ENSMUSG0 Sox6
ENSMUSG0	412.4347	0.044285	0.183776	0.240973	0.809576	0.971129	ENSMUSG0 Mapkapk3
ENSMUSG0	139.7271	-0.0647	0.268497	-0.24097	0.809577	0.971129	ENSMUSG0 Gm14410
ENSMUSG0	1435.429	-0.0293	0.121633	-0.24087	0.809656	0.971163	ENSMUSG0 Nup50
ENSMUSG0	594.885	-0.04618	0.191833	-0.24073	0.809767	0.971196	ENSMUSG0 Gfod2
ENSMUSG0	1738.055	-0.02854	0.118589	-0.2407	0.809784	0.971196	ENSMUSG0 Usp35
ENSMUSG0	82.59533	-0.05855	0.243446	-0.24052	0.809929	0.971309	ENSMUSG0 Gm26559
ENSMUSG0	972.9755	-0.03513	0.146154	-0.24039	0.810029	0.971328	ENSMUSG0 Casd1
ENSMUSG0	1863.915	-0.0576	0.23966	-0.24036	0.810052	0.971328	ENSMUSG0 Arfp2
ENSMUSG0	3.590416	0.187552	0.780566	0.240277	0.810116	0.971328	ENSMUSG0 Srrm4os
ENSMUSG0	1924.574	-0.06452	0.268584	-0.24024	0.810147	0.971328	ENSMUSG0 Baz2a
ENSMUSG0	4.986449	0.22173	0.923867	0.240002	0.810329	0.971444	ENSMUSG0 Gm38257
ENSMUSG0	11.53233	-0.69561	2.898614	-0.23998	0.810345	0.971444	ENSMUSG0 Zfp91
ENSMUSG0	248.6473	-0.04478	0.186691	-0.23984	0.810452	0.971461	ENSMUSG0 Rrp15
ENSMUSG0	148.0981	0.084431	0.352043	0.239832	0.81046	0.971461	ENSMUSG0 Bclaf3
ENSMUSG0	3.524341	-0.21043	0.877909	-0.23969	0.810568	0.971481	ENSMUSG0 Cabyr
ENSMUSG0	22.13933	-0.10356	0.432095	-0.23968	0.810578	0.971481	ENSMUSG0 Gm45330
ENSMUSG0	10.10195	-0.12127	0.506183	-0.23958	0.810655	0.971513	ENSMUSG0 Wif1
ENSMUSG0	4.885257	-0.64725	2.702301	-0.23952	0.810705	0.971513	ENSMUSG0 Nmu
ENSMUSG0	46.90586	-0.11064	0.462316	-0.23932	0.810858	0.971635	ENSMUSG0 Fmo4
ENSMUSG0	6.528212	0.202736	0.847655	0.239173	0.810971	0.9717	ENSMUSG0 Gm13710
ENSMUSG0	361.4435	-0.07034	0.294164	-0.23912	0.811013	0.9717	ENSMUSG0 Lsm7
ENSMUSG0	248.0837	0.073114	0.306091	0.238863	0.811212	0.971795	ENSMUSG0 Snhg14
ENSMUSG0	666.6751	0.043081	0.180381	0.238832	0.811236	0.971795	ENSMUSG0 Cep164
ENSMUSG0	129.4177	-0.06974	0.292077	-0.23878	0.811277	0.971795	ENSMUSG0 Mrm3
ENSMUSG0	48.70173	-0.12453	0.521602	-0.23874	0.811307	0.971795	ENSMUSG0 Trim66
ENSMUSG0	16.25009	0.19667	0.824405	0.23856	0.811447	0.971795	ENSMUSG0 Gm47483
ENSMUSG0	1466.648	0.0667	0.279751	0.238425	0.811551	0.971795	ENSMUSG0 Lats1
ENSMUSG0	1312.512	0.067893	0.284758	0.238424	0.811552	0.971795	ENSMUSG0 Zfp512b
ENSMUSG0	583.7458	-0.052	0.218189	-0.23831	0.811637	0.971795	ENSMUSG0 Vars2
ENSMUSG0	34.26953	-0.10793	0.452982	-0.23827	0.811674	0.971795	ENSMUSG0 Gm44850
ENSMUSG0	6.15268	-0.18295	0.76785	-0.23826	0.811681	0.971795	ENSMUSG0 C030015E2
ENSMUSG0	1727.683	0.049565	0.208051	0.238233	0.8117	0.971795	ENSMUSG0 Zzef1
ENSMUSG0	14.91227	0.116915	0.490869	0.23818	0.811741	0.971795	ENSMUSG0 Gm12002
ENSMUSG0	251.4798	-0.06914	0.290367	-0.2381	0.8118	0.971795	ENSMUSG0 Spice1
ENSMUSG0	4.024819	-0.16986	0.71339	-0.2381	0.811804	0.971795	ENSMUSG0 Gm15638
ENSMUSG0	1591.524	0.055842	0.234623	0.238007	0.811876	0.971795	ENSMUSG0 Anapc4
ENSMUSG0	325.8404	0.055073	0.231424	0.237975	0.8119	0.971795	ENSMUSG0 Rsad2
ENSMUSG0	21.34301	-0.15773	0.663246	-0.23781	0.812027	0.971886	ENSMUSG0 Gm43290
ENSMUSG0	10.79046	0.126665	0.533368	0.237482	0.812283	0.972019	ENSMUSG0 Gm13031
ENSMUSG0	8.113186	-0.15808	0.665932	-0.23738	0.812361	0.972019	ENSMUSG0 Lrrc74b
ENSMUSG0	848.0555	0.04014	0.169097	0.237378	0.812364	0.972019	ENSMUSG0 Esam
ENSMUSG0	8.227505	-0.1373	0.578453	-0.23736	0.812378	0.972019	ENSMUSG0 Gm14703
ENSMUSG0	15.6694	-0.13927	0.587312	-0.23712	0.81256	0.972019	ENSMUSG0 Gm42462
ENSMUSG0	452.1613	-0.05189	0.218954	-0.237	0.812655	0.972019	ENSMUSG0 Bysl

ENSMUSG0	773.0093	0.055397	0.233759	0.236983	0.81267	0.972019	ENSMUSG0 Pex16
ENSMUSG0	105.8144	-0.06745	0.284693	-0.23693	0.812709	0.972019	ENSMUSG0 Utp14b
ENSMUSG0	6.428746	0.23616	0.997014	0.236867	0.81276	0.972019	ENSMUSG0 Gm31105
ENSMUSG0	88.21021	0.110142	0.465012	0.236859	0.812766	0.972019	ENSMUSG0 BC034090
ENSMUSG0	813.0953	-0.09326	0.393777	-0.23685	0.812776	0.972019	ENSMUSG0 Pdk4
ENSMUSG0	1898.886	-0.05819	0.245721	-0.23683	0.812792	0.972019	ENSMUSG0 Naa15
ENSMUSG0	1449.314	0.057855	0.244298	0.236822	0.812795	0.972019	ENSMUSG0 Gdap1
ENSMUSG0	624.0882	-0.03347	0.141373	-0.23673	0.812865	0.972034	ENSMUSG0 Hdhd2
ENSMUSG0	856.6005	-0.03885	0.164215	-0.23658	0.812985	0.972034	ENSMUSG0 Snrpa
ENSMUSG0	57.2103	0.063826	0.269802	0.236565	0.812994	0.972034	ENSMUSG09030622O2
ENSMUSG0	531.2646	0.043033	0.18202	0.236416	0.81311	0.972034	ENSMUSG0 Heatr1
ENSMUSG0	598.8364	-0.04301	0.181922	-0.23639	0.813127	0.972034	ENSMUSG0 Hcfc2
ENSMUSG0	1255.181	-0.05002	0.211623	-0.23634	0.813167	0.972034	ENSMUSG0 Ube2j2
ENSMUSG0	2.937627	0.247917	1.049018	0.236333	0.813175	0.972034	ENSMUSG02900079G2
ENSMUSG0	2347.818	0.074635	0.315868	0.236285	0.813211	0.972034	ENSMUSG0 Myl12b
ENSMUSG0	17.62055	-0.14026	0.594926	-0.23576	0.813619	0.972305	ENSMUSG0 Gm38944
ENSMUSG0	1547.461	-0.03625	0.153761	-0.23575	0.813627	0.972305	ENSMUSG0 Podxl
ENSMUSG0	1204.817	-0.05206	0.220836	-0.23573	0.813642	0.972305	ENSMUSG0 Tgfbfr1
ENSMUSG0	21.99333	0.136677	0.579986	0.235655	0.8137	0.972305	ENSMUSG0 Ankle1
ENSMUSG0	10.19931	-0.13251	0.562331	-0.23565	0.813705	0.972305	ENSMUSG0C030013C2
ENSMUSG0	6.793146	0.185687	0.788179	0.23559	0.813751	0.972305	ENSMUSG0 Gm9873
ENSMUSG0	805.7123	0.069849	0.296587	0.235509	0.813814	0.972305	ENSMUSG0 Pgggt1b
ENSMUSG0	3922.799	0.054104	0.229771	0.235471	0.813843	0.972305	ENSMUSG0 Cmtm4
ENSMUSG0	334.6488	0.048658	0.206847	0.235236	0.814025	0.972407	ENSMUSG0 Optn
ENSMUSG0	24.26628	0.140538	0.597717	0.235124	0.814112	0.972407	ENSMUSG0 Gm45457
ENSMUSG0	833.0615	-0.43799	1.863296	-0.23506	0.81416	0.972407	ENSMUSG0 Gm8430
ENSMUSG0	2019.099	-0.03192	0.135852	-0.23498	0.814221	0.972407	ENSMUSG0 Mbd3
ENSMUSG0	410.2591	-0.08535	0.363248	-0.23497	0.814234	0.972407	ENSMUSG0 Dbt
ENSMUSG0	6.897673	0.142138	0.604926	0.234967	0.814234	0.972407	ENSMUSG0 Gm45705
ENSMUSG0	1466.155	-0.04337	0.184614	-0.2349	0.814288	0.972407	ENSMUSG0 Pum1
ENSMUSG0	13.18401	-0.15224	0.648251	-0.23484	0.814333	0.972407	ENSMUSG0 Gm4045
ENSMUSG0	162.1935	0.100719	0.429259	0.234635	0.814492	0.972443	ENSMUSG0 Emp3
ENSMUSG0	29.35339	-0.11895	0.506948	-0.23463	0.814496	0.972443	ENSMUSG0 Gm49785
ENSMUSG0	377.8917	0.042867	0.182719	0.234606	0.814515	0.972443	ENSMUSG0 Nxn
ENSMUSG0	4.053592	-0.21674	0.924222	-0.23451	0.814586	0.972467	ENSMUSG0 Efcab9
ENSMUSG0	93.35955	0.068828	0.293853	0.234226	0.814809	0.972674	ENSMUSG0 Zc3h12b
ENSMUSG0	1164.096	-0.04546	0.194215	-0.23408	0.814924	0.972746	ENSMUSG0 Trim39
ENSMUSG0	3.858364	-0.24011	1.02639	-0.23394	0.815033	0.972746	ENSMUSG0 Gm5518
ENSMUSG0	3278.967	-0.04562	0.19506	-0.23387	0.815089	0.972746	ENSMUSG0 Isca1
ENSMUSG0	586.2669	0.056401	0.241192	0.233843	0.815107	0.972746	ENSMUSG0 Kin
ENSMUSG0	22.73597	-0.13744	0.587789	-0.23382	0.815123	0.972746	ENSMUSG0 Gimap1os
ENSMUSG0	4.276313	-0.37833	1.619095	-0.23367	0.815243	0.972823	ENSMUSG0 Gm50238
ENSMUSG0	411.8724	-0.04154	0.177808	-0.23361	0.815291	0.972823	ENSMUSG0 Crcp
ENSMUSG0	339.1643	-0.04924	0.210879	-0.23352	0.815358	0.972823	ENSMUSG0 Leng1
ENSMUSG0	818.145	-0.04123	0.176601	-0.23348	0.81539	0.972823	ENSMUSG0 Armcx1
ENSMUSG0	1941.733	0.056488	0.242102	0.233323	0.815511	0.972865	ENSMUSG0 Robo2
ENSMUSG0	578.9956	-0.06286	0.26943	-0.2333	0.815526	0.972865	ENSMUSG0 Scaf4
ENSMUSG0	415.7114	-0.05206	0.223186	-0.23324	0.815576	0.972865	ENSMUSG0 Zfp628
ENSMUSG0	2782.837	-0.05043	0.216304	-0.23316	0.815634	0.972874	ENSMUSG0 Prrc2c
ENSMUSG0	548.2702	-0.05201	0.223202	-0.23304	0.81573	0.97288	ENSMUSG0 Kri1
ENSMUSG0	621.1884	-0.03903	0.167471	-0.23303	0.81574	0.97288	ENSMUSG0 Alyref
ENSMUSG0	2380.669	-0.02909	0.12488	-0.23294	0.815805	0.972897	ENSMUSG0 Ccny

ENSMUSG0	1459.852	0.074862	0.321585	0.232792	0.815923	0.972927	ENSMUSG0 Zfp445
ENSMUSG0	566.5341	-0.08251	0.354548	-0.23273	0.81597	0.972927	ENSMUSG0 Eml6
ENSMUSG0	207.2401	-0.04901	0.210641	-0.23269	0.816	0.972927	ENSMUSG0 Zcchc10
ENSMUSG0	1530.626	-0.04413	0.189799	-0.23252	0.816131	0.972927	ENSMUSG0 Mtmr6
ENSMUSG0	5.774353	0.202376	0.870977	0.232355	0.816263	0.972927	ENSMUSG0 Myom3
ENSMUSG0	28.94178	-0.1213	0.522061	-0.23235	0.816266	0.972927	ENSMUSG0 Rdh12
ENSMUSG0	167.0391	-0.10062	0.433113	-0.23231	0.8163	0.972927	ENSMUSG0 Pik3r5
ENSMUSG0	37.5941	-0.1135	0.488655	-0.23226	0.816336	0.972927	ENSMUSG0 Gm34574
ENSMUSG0	932.3994	-0.05213	0.224574	-0.23214	0.816429	0.972927	ENSMUSG0 Ppat
ENSMUSG0	2042.442	-0.06197	0.267183	-0.23194	0.816585	0.972927	ENSMUSG0 Gas5
ENSMUSG0	268.7029	0.039594	0.170763	0.231863	0.816645	0.972927	ENSMUSG0 Flvcr1
ENSMUSG0	1580.782	0.047954	0.206844	0.231835	0.816666	0.972927	ENSMUSG0 Myef2
ENSMUSG0	16.05565	-0.42165	1.819295	-0.23177	0.816719	0.972927	ENSMUSG0 1810009J06
ENSMUSG0	82.1776	-0.1437	0.620115	-0.23174	0.816742	0.972927	ENSMUSG0 Stat4
ENSMUSG0	13.81921	-0.1836	0.792572	-0.23165	0.816813	0.972927	ENSMUSG0 Tmem150b
ENSMUSG0	376.8265	0.044772	0.193327	0.231587	0.816859	0.972927	ENSMUSG0 Snx24
ENSMUSG0	643.9739	-0.05161	0.222916	-0.23152	0.816912	0.972927	ENSMUSG0 Paxx
ENSMUSG0	1222.496	-0.02951	0.127484	-0.23152	0.816914	0.972927	ENSMUSG0 Ilf2
ENSMUSG0	1640.058	-0.05297	0.228914	-0.2314	0.817003	0.972927	ENSMUSG0 Ppp4r3a
ENSMUSG0	52.5143	0.119073	0.51464	0.231372	0.817026	0.972927	ENSMUSG0 Mcm10
ENSMUSG0	304.2419	-0.0398	0.172036	-0.23134	0.817051	0.972927	ENSMUSG0 Tmem161b
ENSMUSG0	8.536075	-0.15857	0.685555	-0.2313	0.817079	0.972927	ENSMUSG0 Gm48655
ENSMUSG0	983.0495	-0.05807	0.25117	-0.23122	0.817147	0.972927	ENSMUSG0 Klf10
ENSMUSG0	3.498313	-0.34613	1.497097	-0.2312	0.817157	0.972927	ENSMUSG0 Gm25890
ENSMUSG0	25.64426	0.108502	0.469621	0.231041	0.817283	0.972927	ENSMUSG0 Cenpi
ENSMUSG0	7.312186	0.157965	0.683832	0.231	0.817315	0.972927	ENSMUSG0 Gm6030
ENSMUSG0	425.2386	0.061328	0.265518	0.230975	0.817334	0.972927	ENSMUSG0 Cyyr1
ENSMUSG0	4.397008	0.189566	0.820794	0.230954	0.817351	0.972927	ENSMUSG0 2810405F1
ENSMUSG0	418.7917	-0.05954	0.257842	-0.23091	0.817385	0.972927	ENSMUSG0 Mbd5
ENSMUSG0	4.344409	0.209205	0.906212	0.230856	0.817426	0.972927	ENSMUSG0 Gm38067
ENSMUSG0	369.3184	0.029893	0.129505	0.230829	0.817448	0.972927	ENSMUSG0 Nup54
ENSMUSG0	28.72016	0.065593	0.284207	0.230794	0.817475	0.972927	ENSMUSG0 Hrh3
ENSMUSG0	363.5793	0.032951	0.142914	0.230569	0.81765	0.972927	ENSMUSG0 Elmod3
ENSMUSG0	53.61125	0.078005	0.338451	0.230478	0.817721	0.972927	ENSMUSG0 A830073O2
ENSMUSG0	1045.333	-0.0545	0.236516	-0.23044	0.817748	0.972927	ENSMUSG0 Urm1
ENSMUSG0	13.38075	0.172754	0.749756	0.230414	0.81777	0.972927	ENSMUSG0 Ly6k
ENSMUSG0	68.72853	0.340374	1.478074	0.230282	0.817873	0.972927	ENSMUSG0 Cyt11
ENSMUSG0	789.1628	0.041352	0.179571	0.230281	0.817873	0.972927	ENSMUSG0 Cdh8
ENSMUSG0	77.67929	0.08304	0.360655	0.230247	0.8179	0.972927	ENSMUSG0 Calhm2
ENSMUSG0	1318.51	0.034709	0.150748	0.230246	0.8179	0.972927	ENSMUSG0 Edc4
ENSMUSG0	30.30406	0.212748	0.924018	0.230242	0.817904	0.972927	ENSMUSG0 Akr1b7
ENSMUSG0	1780.128	-0.04311	0.187353	-0.23008	0.818031	0.972947	ENSMUSG0 Ppp1r15b
ENSMUSG0	796.8166	0.044905	0.195192	0.230055	0.818049	0.972947	ENSMUSG0 Smchd1
ENSMUSG0	7.4272	-0.16374	0.71199	-0.22997	0.818116	0.972947	ENSMUSG0 Cdiptos
ENSMUSG0	3.389813	-0.35726	1.553944	-0.22991	0.818165	0.972947	ENSMUSG0 Col2a1
ENSMUSG0	662.9046	0.075441	0.328243	0.229834	0.818221	0.972947	ENSMUSG0 Jmy
ENSMUSG0	854.0624	0.040853	0.177752	0.22983	0.818224	0.972947	ENSMUSG0 Cnep1r1
ENSMUSG0	116.958	0.062922	0.274022	0.229625	0.818383	0.973076	ENSMUSG0 Trim13
ENSMUSG0	11.33824	-0.16172	0.704725	-0.22947	0.818501	0.97315	ENSMUSG0 Gpr6
ENSMUSG0	30.76127	-0.0814	0.354809	-0.22941	0.818547	0.97315	ENSMUSG0 Zfp879
ENSMUSG0	194.5204	-0.05868	0.256086	-0.22912	0.818772	0.973346	ENSMUSG0 Pde4a
ENSMUSG0	606.6897	0.077579	0.338668	0.229072	0.818813	0.973346	ENSMUSG0 Smc5

ENSMUSG0	2.927618	-0.29956	1.309855	-0.2287	0.819102	0.973515	ENSMUSG0 Gm37321
ENSMUSG0	791.3979	-0.04809	0.210323	-0.22863	0.819153	0.973515	ENSMUSG0 Ext1
ENSMUSG0	1912.714	0.045299	0.19822	0.22853	0.819234	0.973515	ENSMUSG0 Psmd7
ENSMUSG0	920.8685	-0.05399	0.236324	-0.22844	0.819303	0.973515	ENSMUSG0 Tbce
ENSMUSG0	4075.396	-0.03227	0.141313	-0.22836	0.819365	0.973515	ENSMUSG0 Bag6
ENSMUSG0	6245.925	0.039181	0.171625	0.228297	0.819415	0.973515	ENSMUSG0 Ccp1
ENSMUSG0	255.3452	-0.06298	0.275881	-0.22829	0.819419	0.973515	ENSMUSG0 Card6
ENSMUSG0	2216.389	0.043169	0.189129	0.228253	0.81945	0.973515	ENSMUSG0 Dbnl
ENSMUSG0	7.951202	0.122503	0.536849	0.228189	0.8195	0.973515	ENSMUSG0 Gm9870
ENSMUSG0	2356.522	-0.04012	0.175848	-0.22815	0.81953	0.973515	ENSMUSG0 Irf2bp1
ENSMUSG0	914.9382	0.033379	0.146316	0.228127	0.819548	0.973515	ENSMUSG0 Csnk1g3
ENSMUSG0	3478.848	-0.04922	0.215991	-0.22786	0.819756	0.973515	ENSMUSG0 Amd1
ENSMUSG0	5.400603	0.18743	0.822862	0.227779	0.819818	0.973515	ENSMUSG0 Npb
ENSMUSG0	659.2101	0.049257	0.216256	0.227772	0.819824	0.973515	ENSMUSG0 Kbtbd7
ENSMUSG0	126.7789	-0.05309	0.233138	-0.22772	0.819861	0.973515	ENSMUSG0 Gm49492
ENSMUSG0	27.4661	0.15922	0.699209	0.227714	0.819868	0.973515	ENSMUSG0 BC147527
ENSMUSG0	4118.888	-0.05755	0.25278	-0.22769	0.81989	0.973515	ENSMUSG0 Ddx6
ENSMUSG0	125.2622	-0.07893	0.346788	-0.2276	0.819959	0.973515	ENSMUSG0 Epha1
ENSMUSG0	1675.207	-0.04346	0.190932	-0.2276	0.819959	0.973515	ENSMUSG0 Strn4
ENSMUSG0	1809.23	-0.07366	0.323851	-0.22744	0.82008	0.973515	ENSMUSG0 Sptbn2
ENSMUSG0	631.6361	-0.04964	0.218278	-0.22742	0.820099	0.973515	ENSMUSG0 Plekhj1
ENSMUSG0	12.5293	-0.12774	0.561773	-0.22739	0.820118	0.973515	ENSMUSG0 Tssk6
ENSMUSG0	7835.03	-0.08425	0.370491	-0.22739	0.820119	0.973515	ENSMUSG0 Rps20
ENSMUSG0	153.2755	0.065318	0.287403	0.22727	0.820214	0.973567	ENSMUSG0 Eri2
ENSMUSG0	160.1715	0.058888	0.259357	0.227053	0.820383	0.973602	ENSMUSG0 Vsn1
ENSMUSG0	244.8736	0.07746	0.341209	0.227017	0.82041	0.973602	ENSMUSG0 Zfp942
ENSMUSG0	589.751	-0.04142	0.182499	-0.22694	0.820467	0.973602	ENSMUSG0 Dcaf15
ENSMUSG0	9.718884	-0.15868	0.699504	-0.22685	0.820539	0.973602	ENSMUSG0 Art5
ENSMUSG0	141.494	0.064633	0.284917	0.226849	0.820541	0.973602	ENSMUSG05330438D1
ENSMUSG0	1042.775	-0.04094	0.180472	-0.22684	0.820546	0.973602	ENSMUSG0 Zmym4
ENSMUSG0	5.791959	-0.16268	0.717522	-0.22672	0.820643	0.973656	ENSMUSG0 Pabpc4l
ENSMUSG0	9.173178	0.145593	0.642653	0.22655	0.820774	0.973751	ENSMUSG0 Pde6c
ENSMUSG0	12.20249	0.118395	0.522805	0.226462	0.820842	0.973758	ENSMUSG0 Gm12843
ENSMUSG0	77.10411	0.137792	0.608616	0.226402	0.820889	0.973758	ENSMUSG0 Edn1
ENSMUSG0	3.8746	-0.23822	1.052435	-0.22635	0.820931	0.973758	ENSMUSG0 Gm43984
ENSMUSG0	262.1302	-0.05709	0.252285	-0.22627	0.820989	0.973758	ENSMUSG0 Pstk
ENSMUSG0	281.0809	0.077459	0.342503	0.226157	0.82108	0.973758	ENSMUSG0 Galk1
ENSMUSG0	3199.834	0.038594	0.17074	0.226041	0.82117	0.973758	ENSMUSG0 Sumo3
ENSMUSG0	12.04242	0.209781	0.928086	0.226037	0.821173	0.973758	ENSMUSG0 Gm36161
ENSMUSG0	1640.766	-0.05119	0.226483	-0.22602	0.821185	0.973758	ENSMUSG0 Socs7
ENSMUSG0	448.962	-0.0815	0.36076	-0.22591	0.821274	0.973765	ENSMUSG0 Cpeb2
ENSMUSG0	140.5436	-0.07876	0.34866	-0.22588	0.821291	0.973765	ENSMUSG0 Gm14326
ENSMUSG0	112.9531	0.067313	0.298118	0.225794	0.821362	0.973788	ENSMUSG0 Spc24
ENSMUSG0	1073.761	-0.0732	0.3244	-0.22566	0.821468	0.973854	ENSMUSG0 Skil
ENSMUSG0	7.936777	0.198871	0.881957	0.225488	0.821599	0.973924	ENSMUSG0 Gm29394
ENSMUSG0	686.6118	-0.08088	0.358928	-0.22532	0.821727	0.973924	ENSMUSG0 Fcf1
ENSMUSG0	16.33506	-0.15075	0.669109	-0.2253	0.821747	0.973924	ENSMUSG0 Gm45222
ENSMUSG0	69.19166	0.140382	0.623112	0.225292	0.821752	0.973924	ENSMUSG0 Igkv1-110
ENSMUSG0	11.3666	-0.14157	0.628849	-0.22512	0.821885	0.973924	ENSMUSG0 Gm20517
ENSMUSG0	345.4688	0.031983	0.142094	0.225082	0.821915	0.973924	ENSMUSG0 Zfp35
ENSMUSG0	1193.104	-0.04302	0.191153	-0.22507	0.821922	0.973924	ENSMUSG0 Pdzd4
ENSMUSG0	190.1151	0.084828	0.376913	0.22506	0.821932	0.973924	ENSMUSG0 Nudt1

ENSMUSG0	4.803996	-0.1523	0.677	-0.22496	0.822007	0.973954	ENSMUSG0 Gm12915
ENSMUSG0	9.187962	0.141109	0.627587	0.224844	0.822101	0.974004	ENSMUSG0 Gm26590
ENSMUSG0	1751.205	-0.08001	0.356204	-0.22463	0.822267	0.974051	ENSMUSG0 Pwwp3a
ENSMUSG0	581.0582	-0.04952	0.220485	-0.2246	0.822292	0.974051	ENSMUSG0 Zfp386
ENSMUSG0	5.41896	-0.19137	0.852077	-0.2246	0.822292	0.974051	ENSMUSG01700105P0
ENSMUSG0	124.985	-0.05784	0.257681	-0.22445	0.822405	0.974121	ENSMUSG0 Apof
ENSMUSG0	501.9443	0.046882	0.209037	0.224277	0.822542	0.974121	ENSMUSG0 Mtx3
ENSMUSG0	621.8939	-0.04076	0.181834	-0.22418	0.822615	0.974121	ENSMUSG0 Skap2
ENSMUSG0	213.327	0.104604	0.466828	0.224073	0.822701	0.974121	ENSMUSG0 Rbp1
ENSMUSG0	812.2662	-0.08698	0.38836	-0.22398	0.822774	0.974121	ENSMUSG0 Mrpl13
ENSMUSG0	533.1058	-0.03345	0.149375	-0.22396	0.822788	0.974121	ENSMUSG0 Sgsh
ENSMUSG0	4.596674	-0.1751	0.782371	-0.22381	0.822908	0.974121	ENSMUSG0 Gm8730
ENSMUSG0	65.86701	0.073103	0.326637	0.223805	0.822909	0.974121	ENSMUSG0 Zfp296
ENSMUSG0	633.6368	0.037862	0.169184	0.223795	0.822917	0.974121	ENSMUSG0 Sh3gl2
ENSMUSG0	8.089691	0.15064	0.673222	0.22376	0.822944	0.974121	ENSMUSG0 Gm8355
ENSMUSG0	108.8362	-0.07633	0.341209	-0.22372	0.822978	0.974121	ENSMUSG0 DXBay18
ENSMUSG0	1082.81	-0.03437	0.153695	-0.22365	0.823032	0.974121	ENSMUSG0 Vps33a
ENSMUSG0	1356.976	-0.04082	0.182589	-0.22359	0.823079	0.974121	ENSMUSG0 Ero1l
ENSMUSG0	3.552393	-0.2289	1.023813	-0.22358	0.823087	0.974121	ENSMUSG0 Ppp1r2-ps6
ENSMUSG0	5.820543	0.194862	0.871864	0.2235	0.823146	0.974121	ENSMUSG04930553P1
ENSMUSG0	6049.656	-0.03336	0.149265	-0.22347	0.823167	0.974121	ENSMUSG0 Ap3d1
ENSMUSG0	353.9052	0.044808	0.200614	0.223356	0.823258	0.974121	ENSMUSG0 AW209491
ENSMUSG0	3.559364	0.220584	0.987611	0.223351	0.823263	0.974121	ENSMUSG0 Gm26596
ENSMUSG0	57.99141	0.084441	0.378196	0.223273	0.823323	0.974133	ENSMUSG0 Pygm
ENSMUSG0	697.5265	0.059749	0.26802	0.222926	0.823593	0.974348	ENSMUSG0 Fam43a
ENSMUSG0	3575.055	0.042866	0.192311	0.222897	0.823615	0.974348	ENSMUSG0 Tax1bp1
ENSMUSG0	452.0021	0.040995	0.183983	0.222821	0.823675	0.974348	ENSMUSG0 Rabif
ENSMUSG0	1210.267	-0.05329	0.239203	-0.22278	0.823708	0.974348	ENSMUSG0 Mier1
ENSMUSG0	104.4039	0.063893	0.286948	0.222664	0.823797	0.974368	ENSMUSG0 She
ENSMUSG0	315.7313	-0.05181	0.232743	-0.22263	0.823826	0.974368	ENSMUSG0 Slc25a37
ENSMUSG0	71.95092	0.049836	0.224004	0.222478	0.823942	0.974445	ENSMUSG01810019D2
ENSMUSG0	268.925	-0.10227	0.459889	-0.22238	0.824019	0.974476	ENSMUSG0 Sardh
ENSMUSG0	7.14238	0.166748	0.750456	0.222196	0.824162	0.974566	ENSMUSG0Hmgb1-ps8
ENSMUSG0	702.3197	0.042992	0.193683	0.221972	0.824336	0.974566	ENSMUSG0 Agps
ENSMUSG0	6.524958	0.212704	0.959075	0.22178	0.824485	0.974566	ENSMUSG0 Krt86
ENSMUSG0	5.513793	-0.14822	0.66832	-0.22178	0.824489	0.974566	ENSMUSG0 Gm29107
ENSMUSG0	5.903916	-0.15496	0.69878	-0.22175	0.824508	0.974566	ENSMUSG0 Gm13032
ENSMUSG0	370.8473	-0.02822	0.127277	-0.22171	0.824538	0.974566	ENSMUSG0 Chd1l
ENSMUSG0	94.29106	0.054973	0.247974	0.221689	0.824556	0.974566	ENSMUSG0 Rwd2a
ENSMUSG0	26.76917	0.079847	0.360303	0.221612	0.824616	0.974566	ENSMUSG0 Gm12758
ENSMUSG0	360.3776	0.057801	0.260936	0.221515	0.824691	0.974566	ENSMUSG0 Stat5a
ENSMUSG0	494.1487	-0.03436	0.155171	-0.22144	0.824752	0.974566	ENSMUSG0 Aatf
ENSMUSG0	241.0074	-0.03648	0.164757	-0.2214	0.824779	0.974566	ENSMUSG0 Fastkd1
ENSMUSG0	648.3739	0.030825	0.139239	0.221384	0.824793	0.974566	ENSMUSG0 Atg12
ENSMUSG0	2882.793	0.053311	0.240811	0.221379	0.824797	0.974566	ENSMUSG0 Usp34
ENSMUSG0	608.2914	-0.04532	0.204718	-0.22137	0.824804	0.974566	ENSMUSG0 D2hgdh
ENSMUSG0	17.65832	-0.64007	2.893994	-0.22117	0.824959	0.974689	ENSMUSG0 Gm6565
ENSMUSG0	7.82575	-0.19868	0.899367	-0.22091	0.825159	0.974836	ENSMUSG0 Tpo
ENSMUSG0	22935.68	-0.03634	0.164511	-0.22087	0.825193	0.974836	ENSMUSG0 Pkm
ENSMUSG0	704.4568	-0.03311	0.150063	-0.22062	0.825392	0.974836	ENSMUSG0 Trim11
ENSMUSG0	146.0499	-0.09919	0.449936	-0.22046	0.82551	0.974836	ENSMUSG0 Cyp4f18
ENSMUSG0	25.66025	0.083978	0.38106	0.22038	0.825575	0.974836	ENSMUSG0 Olfr558

ENSMUSG0	22.61505	-0.09392	0.426294	-0.22032	0.82562	0.974836	ENSMUSG01700040D1
ENSMUSG0	4.479792	0.22686	1.02987	0.22028	0.825653	0.974836	ENSMUSG0 Igkv4-86
ENSMUSG0	1062.148	0.037335	0.169519	0.220242	0.825683	0.974836	ENSMUSG0 Med24
ENSMUSG0	6.107421	-0.17772	0.807055	-0.2202	0.825712	0.974836	ENSMUSG0 Gm45205
ENSMUSG0	2143.19	0.062564	0.284157	0.220172	0.825737	0.974836	ENSMUSG0 Mepce
ENSMUSG0	29.11919	0.161706	0.734462	0.220169	0.82574	0.974836	ENSMUSG0 Igkv10-96
ENSMUSG0	1563.634	0.056151	0.255042	0.220165	0.825742	0.974836	ENSMUSG0 Otud4
ENSMUSG0	3.676358	-0.17084	0.776581	-0.21999	0.825879	0.974927	ENSMUSG0 Gm38056
ENSMUSG0	4.940797	-0.20167	0.916937	-0.21994	0.825921	0.974927	ENSMUSG0 Gm44190
ENSMUSG0	551.5247	-0.04988	0.227045	-0.21971	0.826097	0.975073	ENSMUSG0 Plcb4
ENSMUSG0	1043.824	0.0327	0.148911	0.219597	0.826185	0.975073	ENSMUSG0 Gabbr1
ENSMUSG0	1512.261	-0.05516	0.251211	-0.21958	0.826197	0.975073	ENSMUSG0 Phf3
ENSMUSG0	2401.967	-0.0464	0.211449	-0.21943	0.826311	0.975091	ENSMUSG0 Pbrm1
ENSMUSG0	107.7049	-0.10505	0.47874	-0.21943	0.826317	0.975091	ENSMUSG0 Iqcn
ENSMUSG0	113.9959	-0.10724	0.489072	-0.21928	0.826431	0.975091	ENSMUSG0 Kif22
ENSMUSG0	1055.547	0.050928	0.232287	0.219246	0.826458	0.975091	ENSMUSG0 Pdpd
ENSMUSG0	18.8604	0.083168	0.379352	0.219237	0.826465	0.975091	ENSMUSG0 Gm45133
ENSMUSG0	814.0127	-0.04784	0.218455	-0.21901	0.826642	0.97524	ENSMUSG0 Sf3b4
ENSMUSG0	762.015	0.063975	0.29246	0.21875	0.826845	0.975419	ENSMUSG0 Ncoa3
ENSMUSG0	564.1434	0.053452	0.244469	0.218644	0.826927	0.975457	ENSMUSG0 Rspo4
ENSMUSG0	1060.922	0.051079	0.233776	0.218494	0.827044	0.975512	ENSMUSG0 Cnot6
ENSMUSG0	22.00499	0.212886	0.974674	0.218418	0.827103	0.975512	ENSMUSG0 Il18rap
ENSMUSG0	8.135857	-0.19099	0.874547	-0.21839	0.827126	0.975512	ENSMUSG0 Gabrr2
ENSMUSG0	1495.664	0.025832	0.118356	0.218259	0.827227	0.975521	ENSMUSG0 Ppp1r13b
ENSMUSG0	99.3731	-0.11663	0.534407	-0.21825	0.827236	0.975521	ENSMUSG0 Lockd
ENSMUSG0	25.80856	-0.07884	0.361579	-0.21805	0.827393	0.975544	ENSMUSG0 Gm14168
ENSMUSG0	3702.31	-0.05603	0.256961	-0.21805	0.827394	0.975544	ENSMUSG0 Tulp4
ENSMUSG0	261.5645	-0.03668	0.168256	-0.21803	0.827407	0.975544	ENSMUSG0 Osbp11
ENSMUSG0	10.15079	-0.11215	0.514707	-0.21789	0.827518	0.975583	ENSMUSG0 Gm38012
ENSMUSG0	14.97948	-0.15008	0.689631	-0.21763	0.827718	0.975583	ENSMUSG0 Cysltr2
ENSMUSG0	62.85778	-0.09227	0.424127	-0.21755	0.827782	0.975583	ENSMUSG0 Gm14322
ENSMUSG0	4.900222	-0.2114	0.97199	-0.21749	0.827829	0.975583	ENSMUSG0 Gm44542
ENSMUSG0	1253.33	0.048287	0.222065	0.217446	0.827861	0.975583	ENSMUSG0 Usp8
ENSMUSG0	3821.494	-0.04308	0.198213	-0.21733	0.827951	0.975583	ENSMUSG0 Rbbp7
ENSMUSG0	6892.94	-0.07335	0.337592	-0.21727	0.828001	0.975583	ENSMUSG0 Rps29
ENSMUSG0	2802.851	0.059237	0.272786	0.217157	0.828086	0.975583	ENSMUSG0 Sltm
ENSMUSG0	218.1721	-0.05932	0.273231	-0.21711	0.828126	0.975583	ENSMUSG0 Zc3hav1l
ENSMUSG0	506.788	0.028544	0.131475	0.217103	0.828128	0.975583	ENSMUSG0 Il10rb
ENSMUSG0	239.1091	0.055801	0.257038	0.217092	0.828137	0.975583	ENSMUSG0 Dck
ENSMUSG0	4.748977	0.25457	1.172723	0.217076	0.828149	0.975583	ENSMUSG0 Gm8251
ENSMUSG0	322.7878	-0.05233	0.241081	-0.21707	0.82815	0.975583	ENSMUSG0 Noc3l
ENSMUSG0	3.579232	0.195267	0.8999	0.216988	0.828218	0.975603	ENSMUSG01700095J0:
ENSMUSG0	450.8666	-0.04509	0.207865	-0.2169	0.828284	0.975621	ENSMUSG0 Syt9
ENSMUSG0	1053.937	-0.04996	0.230731	-0.21655	0.828563	0.97589	ENSMUSG0 Itch
ENSMUSG0	196.5105	0.061856	0.285892	0.21636	0.828707	0.97597	ENSMUSG0 Accs
ENSMUSG0	320.7373	0.044853	0.207395	0.216267	0.82878	0.97597	ENSMUSG0 Zfp790
ENSMUSG0	18.00235	0.149446	0.691063	0.216255	0.828789	0.97597	ENSMUSG0 Slfn10-ps
ENSMUSG0	5.22617	-0.19268	0.891399	-0.21616	0.828863	0.97597	ENSMUSG0 Gm17021
ENSMUSG0	27.68837	0.080066	0.370449	0.216132	0.828885	0.97597	ENSMUSG04931440P2
ENSMUSG0	353.2603	0.040176	0.185955	0.21605	0.828949	0.975986	ENSMUSG0 Recql
ENSMUSG0	10.68981	0.121782	0.564001	0.215926	0.829046	0.97604	ENSMUSG0 Rps18-ps6
ENSMUSG0	291.309	-0.04607	0.213442	-0.21586	0.829099	0.976043	ENSMUSG0 Tmem191c

ENSMUSG0	46.06132	0.058185	0.269774	0.215679	0.829238	0.976045	ENSMUSG0 Ttl113
ENSMUSG0	895.9807	0.051656	0.239524	0.215661	0.829252	0.976045	ENSMUSG0 Kdm3b
ENSMUSG0	4105.109	-0.0543	0.251799	-0.21564	0.82927	0.976045	ENSMUSG0 Ran
ENSMUSG0	149.9213	-0.0682	0.31653	-0.21547	0.829399	0.976045	ENSMUSG0 Tst
ENSMUSG0	515.5347	-0.0449	0.208379	-0.21546	0.829406	0.976045	ENSMUSG0 Wdr83
ENSMUSG0	290.478	0.075267	0.349428	0.215402	0.829454	0.976045	ENSMUSG0 Stap2
ENSMUSG0	13.95156	-0.11195	0.519743	-0.2154	0.829455	0.976045	ENSMUSG0 Gm43759
ENSMUSG0	1572.258	-0.0422	0.196031	-0.21526	0.829561	0.976109	ENSMUSG0 Cdc16
ENSMUSG0	155432.7	0.064973	0.302006	0.215137	0.82966	0.976136	ENSMUSG0 Sst
ENSMUSG0	356.1852	0.09749	0.4535	0.214972	0.829789	0.976136	ENSMUSG0 Mndal
ENSMUSG0	849.8032	0.029544	0.137538	0.214807	0.829918	0.976136	ENSMUSG0 Nosip
ENSMUSG0	641.6381	-0.02983	0.138927	-0.21474	0.829972	0.976136	ENSMUSG0 Rab40c
ENSMUSG0	748.1551	-0.05897	0.2746	-0.21474	0.829972	0.976136	ENSMUSG0 Naa38
ENSMUSG0	217.5757	-0.05555	0.258746	-0.21467	0.830022	0.976136	ENSMUSG0 Ndufaf5
ENSMUSG0	6.068325	-0.19324	0.901226	-0.21442	0.830222	0.976136	ENSMUSG0 Ighv1-15
ENSMUSG0	8.340063	-0.14196	0.66212	-0.2144	0.830238	0.976136	ENSMUSG0 Gm4430
ENSMUSG0	1448.443	0.033248	0.155124	0.214335	0.830286	0.976136	ENSMUSG0 Zfp869
ENSMUSG0	50.24575	0.057137	0.266699	0.214236	0.830363	0.976136	ENSMUSG0 Pak7
ENSMUSG0	396.7409	-0.04435	0.207051	-0.21419	0.830396	0.976136	ENSMUSG0 Utp4
ENSMUSG0	2251.998	-0.05443	0.254263	-0.21406	0.830497	0.976136	ENSMUSG0 Psmd13
ENSMUSG0	15.37921	-0.13267	0.619903	-0.21402	0.830529	0.976136	ENSMUSG0 Gstm6
ENSMUSG0	473.417	-0.06592	0.308028	-0.214	0.830549	0.976136	ENSMUSG0 Ly6c1
ENSMUSG0	98.62095	0.052488	0.245303	0.213971	0.83057	0.976136	ENSMUSG0 Prim2
ENSMUSG0	991.5837	0.038239	0.179044	0.21357	0.830882	0.976136	ENSMUSG0 Cdadcl
ENSMUSG0	29.73704	-0.1348	0.6315	-0.21346	0.830972	0.976136	ENSMUSG0 Gm40309
ENSMUSG0	799.8024	-0.05298	0.24833	-0.21335	0.831052	0.976136	ENSMUSG0 Kif19a
ENSMUSG0	5.846714	0.212665	0.996832	0.213341	0.831061	0.976136	ENSMUSG0 Gm43196
ENSMUSG0	9.308732	-0.10624	0.498016	-0.21332	0.831076	0.976136	ENSMUSG0 Gm48420
ENSMUSG0	1257.505	-0.05818	0.272815	-0.21327	0.831114	0.976136	ENSMUSG0 Vps13b
ENSMUSG0	6547.329	0.038376	0.179945	0.213266	0.83112	0.976136	ENSMUSG0 Fkbp8
ENSMUSG0	85.19987	0.054229	0.254294	0.213252	0.831131	0.976136	ENSMUSG0 Ttc25
ENSMUSG0	6.043833	-0.22129	1.038137	-0.21316	0.8312	0.976136	ENSMUSG0 Gm48365
ENSMUSG0	274.6788	0.077175	0.36207	0.21315	0.83121	0.976136	ENSMUSG0 Irf7
ENSMUSG0	73.05303	-0.05437	0.255469	-0.21282	0.831468	0.976136	ENSMUSG0 933016201
ENSMUSG0	8.152239	0.129284	0.607626	0.21277	0.831507	0.976136	ENSMUSG0 Sec14l5
ENSMUSG0	28.81225	0.10863	0.510653	0.212728	0.831539	0.976136	ENSMUSG0 Nrnx3
ENSMUSG0	8.730886	-0.143	0.67223	-0.21272	0.831543	0.976136	ENSMUSG0 Gm43662
ENSMUSG0	2933.285	-0.03897	0.183233	-0.21265	0.831597	0.976136	ENSMUSG0 Atp6v1c1
ENSMUSG0	3.908056	-0.17154	0.806823	-0.21262	0.831626	0.976136	ENSMUSG0 Fam228a
ENSMUSG0	998.3775	-0.03892	0.183134	-0.21253	0.831695	0.976136	ENSMUSG0 Acss2
ENSMUSG0	919.3757	0.048898	0.230162	0.212452	0.831754	0.976136	ENSMUSG0 Dnajc2
ENSMUSG0	85.02337	-0.2521	1.186666	-0.21244	0.83176	0.976136	ENSMUSG0 Mme
ENSMUSG0	6028.029	-0.03844	0.181043	-0.21232	0.831856	0.976136	ENSMUSG0 Tmem30a
ENSMUSG0	75.44085	0.128421	0.605017	0.21226	0.831904	0.976136	ENSMUSG0 Evi2b
ENSMUSG0	26.19494	0.613735	2.891633	0.212245	0.831916	0.976136	ENSMUSG0 Gm10221
ENSMUSG0	648.492	-0.05355	0.252297	-0.21223	0.831927	0.976136	ENSMUSG0 Smcr8
ENSMUSG0	986.3588	-0.04911	0.231626	-0.21203	0.832082	0.976136	ENSMUSG0 Tasor
ENSMUSG0	2721.397	-0.04892	0.230754	-0.21202	0.832093	0.976136	ENSMUSG0 Sec24c
ENSMUSG0	1583.929	0.030581	0.144236	0.212017	0.832094	0.976136	ENSMUSG0 Hgs
ENSMUSG0	1181.825	-0.04139	0.19525	-0.21196	0.832135	0.976136	ENSMUSG0 Foxj3
ENSMUSG0	1535.449	0.030079	0.141923	0.21194	0.832154	0.976136	ENSMUSG0 Pex19
ENSMUSG0	8.769037	-0.12409	0.585615	-0.21189	0.832191	0.976136	ENSMUSG0 Tekt4

ENSMUSG0	23.65627	-0.10445	0.492979	-0.21187	0.832205	0.976136	ENSMUSG0 Angptl8
ENSMUSG0	880.8253	0.04602	0.217244	0.211836	0.832235	0.976136	ENSMUSG0 Nfatc3
ENSMUSG0	450.6993	-0.07273	0.343564	-0.21171	0.832336	0.976136	ENSMUSG0 Mycbp
ENSMUSG0	37.10856	0.090477	0.427437	0.211674	0.832361	0.976136	ENSMUSG0 6720489N1
ENSMUSG0	205.1763	0.048173	0.227717	0.211548	0.83246	0.976136	ENSMUSG0 Atxn7l2
ENSMUSG0	3.981198	0.21684	1.02592	0.211362	0.832605	0.976136	ENSMUSG0 G630016G0
ENSMUSG0	1640.663	0.049334	0.23353	0.211253	0.83269	0.976136	ENSMUSG0 Gsk3b
ENSMUSG0	665.195	0.041173	0.195012	0.211131	0.832785	0.976136	ENSMUSG0 Cstf3
ENSMUSG0	7.366404	-0.16798	0.796307	-0.21095	0.832928	0.976136	ENSMUSG0 Gm45853
ENSMUSG0	7366.329	-0.0406	0.192477	-0.21094	0.832932	0.976136	ENSMUSG0 Prrc2b
ENSMUSG0	869.198	0.039439	0.186987	0.210919	0.83295	0.976136	ENSMUSG0 Pdxk
ENSMUSG0	757.4584	0.037418	0.177427	0.210894	0.83297	0.976136	ENSMUSG0 Ostf1
ENSMUSG0	9855.779	0.032981	0.15648	0.210767	0.833069	0.976136	ENSMUSG0 Wdr6
ENSMUSG0	246.7618	-0.04232	0.200863	-0.21069	0.83313	0.976136	ENSMUSG0 Nlrx1
ENSMUSG0	135.869	0.06064	0.287875	0.210647	0.833163	0.976136	ENSMUSG0 Fam227a
ENSMUSG0	493.3685	-0.03413	0.162076	-0.21061	0.833193	0.976136	ENSMUSG0 Tnk1
ENSMUSG0	1108.887	-0.05254	0.249708	-0.21042	0.833338	0.976136	ENSMUSG0 Ccdc12
ENSMUSG0	1444.662	-0.04158	0.197617	-0.21042	0.833341	0.976136	ENSMUSG0 Ppp4r3b
ENSMUSG0	14865.08	0.053188	0.252778	0.210412	0.833346	0.976136	ENSMUSG0 Rps15
ENSMUSG0	391.5951	0.034277	0.162941	0.210363	0.833385	0.976136	ENSMUSG0 Zfp768
ENSMUSG0	287.7886	0.054054	0.256969	0.210352	0.833393	0.976136	ENSMUSG0 Lipe
ENSMUSG0	10.55951	0.10229	0.486688	0.210177	0.83353	0.976136	ENSMUSG0 Gm40466
ENSMUSG0	1819.673	0.049127	0.233812	0.210115	0.833578	0.976136	ENSMUSG0 Cops4
ENSMUSG0	4.744331	0.142191	0.676758	0.210106	0.833585	0.976136	ENSMUSG0 Gm26739
ENSMUSG0	6.612512	0.128114	0.609992	0.210026	0.833647	0.976136	ENSMUSG0 Pcdhb10
ENSMUSG0	655.3132	0.035317	0.16818	0.209995	0.833671	0.976136	ENSMUSG0 Ap3m2
ENSMUSG0	1634.525	-0.03861	0.183955	-0.2099	0.833742	0.976136	ENSMUSG0 Smu1
ENSMUSG0	556.7909	-0.03414	0.16265	-0.2099	0.833743	0.976136	ENSMUSG0 Tbp1l
ENSMUSG0	162.2166	-0.05237	0.249582	-0.20981	0.833814	0.976136	ENSMUSG0 H1f4
ENSMUSG0	946.2564	0.041038	0.195787	0.209604	0.833977	0.976136	ENSMUSG0 Ciao1
ENSMUSG0	559.3602	-0.03799	0.181283	-0.20955	0.834017	0.976136	ENSMUSG0 Alg11
ENSMUSG0	432.9902	-0.0364	0.173718	-0.20951	0.83405	0.976136	ENSMUSG0 Dlgap3
ENSMUSG0	10.01643	-0.11448	0.54641	-0.20951	0.834052	0.976136	ENSMUSG0 4930512B0
ENSMUSG0	940.7336	0.033835	0.16157	0.209412	0.834126	0.976136	ENSMUSG0 Trak2
ENSMUSG0	61.07354	0.093092	0.444541	0.20941	0.834128	0.976136	ENSMUSG0 Tyw3
ENSMUSG0	29.39445	0.066935	0.320129	0.209088	0.83438	0.976136	ENSMUSG0 Slc25a47
ENSMUSG0	897.0999	0.036721	0.175639	0.209073	0.834392	0.976136	ENSMUSG0 Spsb3
ENSMUSG0	1161.693	-0.03967	0.189766	-0.20903	0.834427	0.976136	ENSMUSG0 U2af1
ENSMUSG0	1463.633	-0.03301	0.158007	-0.20891	0.834522	0.976136	ENSMUSG0 Pigk
ENSMUSG0	10.25903	-0.11739	0.562146	-0.20882	0.834588	0.976136	ENSMUSG0 Gm17324
ENSMUSG0	715.443	-0.10903	0.522272	-0.20875	0.834641	0.976136	ENSMUSG0 Ighd
ENSMUSG0	48.90002	0.074994	0.359441	0.20864	0.834729	0.976136	ENSMUSG0 Gm527
ENSMUSG0	386.5335	-0.05749	0.275825	-0.20843	0.834896	0.976136	ENSMUSG0 Gpt2
ENSMUSG0	14718.67	0.032375	0.155333	0.208424	0.834898	0.976136	ENSMUSG0 Ptprn
ENSMUSG0	2205.166	-0.04361	0.209264	-0.20841	0.834911	0.976136	ENSMUSG0 Actr10
ENSMUSG0	708.6971	-0.03498	0.167925	-0.20833	0.834971	0.976136	ENSMUSG0 Rsbn1
ENSMUSG0	460.7747	-0.04192	0.201233	-0.20832	0.834978	0.976136	ENSMUSG0 Lrrc49
ENSMUSG0	234.786	0.034465	0.165501	0.208245	0.835038	0.976136	ENSMUSG0 Poglut3
ENSMUSG0	40.84151	0.092612	0.444805	0.208208	0.835067	0.976136	ENSMUSG0 Ephx3
ENSMUSG0	5035.193	0.047059	0.226056	0.208174	0.835093	0.976136	ENSMUSG0 Pfn1
ENSMUSG0	194.9274	-0.04265	0.204935	-0.2081	0.835151	0.976136	ENSMUSG0 Mtm1
ENSMUSG0	19.5104	-0.11975	0.575465	-0.20809	0.835157	0.976136	ENSMUSG0 9430034N1

ENSMUSG0	21.89918	-0.11243	0.540459	-0.20803	0.835205	0.976136	ENSMUSG0 Gm45501
ENSMUSG0	106.9496	0.051951	0.24974	0.208021	0.835213	0.976136	ENSMUSG04930526A2
ENSMUSG0	21.0379	-0.14139	0.680504	-0.20777	0.835405	0.976136	ENSMUSG0 Gm43389
ENSMUSG0	34.8383	-0.26242	1.263253	-0.20774	0.835435	0.976136	ENSMUSG0 Gm49325
ENSMUSG0	487.7181	0.058562	0.281953	0.207701	0.835462	0.976136	ENSMUSG0 Tbl1xr1
ENSMUSG0	505.9363	-0.03978	0.191575	-0.20766	0.835496	0.976136	ENSMUSG0 Wdr12
ENSMUSG0	1774.725	0.049697	0.239373	0.207615	0.83553	0.976136	ENSMUSG0 Ddx42
ENSMUSG0	3.920539	0.608663	2.931982	0.207594	0.835546	0.976136	ENSMUSG0 Pram1
ENSMUSG0	104.2166	0.044967	0.21676	0.207452	0.835657	0.976136	ENSMUSG0 Rbks
ENSMUSG0	25.65462	-0.11389	0.549096	-0.20742	0.835681	0.976136	ENSMUSG0 Gm44899
ENSMUSG0	5.102599	-0.23919	1.153388	-0.20738	0.835714	0.976136	ENSMUSG05830411N0
ENSMUSG0	1264.644	0.054363	0.262193	0.207338	0.835746	0.976136	ENSMUSG0 Gm2a
ENSMUSG0	3.917591	-0.22412	1.081301	-0.20727	0.835797	0.976136	ENSMUSG0 Dgki
ENSMUSG0	23.46647	0.102704	0.495502	0.207272	0.835798	0.976136	ENSMUSG0 Zfp558
ENSMUSG0	1503.253	0.037047	0.178999	0.206967	0.836036	0.976136	ENSMUSG0 Sphk2
ENSMUSG0	294.2371	0.063683	0.307788	0.206904	0.836085	0.976136	ENSMUSG0 Septin4
ENSMUSG0	338.8737	-0.04674	0.225944	-0.20688	0.836104	0.976136	ENSMUSG0 Cep83
ENSMUSG0	325.7031	-0.0712	0.344176	-0.20687	0.836112	0.976136	ENSMUSG0 Ttc27
ENSMUSG0	4.613545	0.174697	0.844724	0.20681	0.836159	0.976136	ENSMUSG0 Tekt1
ENSMUSG0	35.42123	0.133366	0.645574	0.206585	0.836334	0.976136	ENSMUSG0 Gm48111
ENSMUSG0	15.22007	0.12365	0.599226	0.20635	0.836518	0.976136	ENSMUSG0 Hoxb7
ENSMUSG0	12.07338	-0.12264	0.59443	-0.20632	0.836545	0.976136	ENSMUSG01700049E1
ENSMUSG0	8.022698	0.129721	0.628986	0.206238	0.836605	0.976136	ENSMUSG0 Gm24119
ENSMUSG0	317.631	0.044696	0.216735	0.206226	0.836614	0.976136	ENSMUSG0 Faim
ENSMUSG0	12.66739	0.105122	0.509827	0.206192	0.836641	0.976136	ENSMUSG0 Gm20337
ENSMUSG0	24.71265	-0.14438	0.700284	-0.20618	0.836651	0.976136	ENSMUSG0 Igkv6-15
ENSMUSG0	42.20723	-0.14287	0.692974	-0.20617	0.836655	0.976136	ENSMUSG0 Scn4b
ENSMUSG0	481.9814	-0.02968	0.143987	-0.20615	0.83667	0.976136	ENSMUSG0 Coq5
ENSMUSG0	1504.379	0.057709	0.279957	0.206137	0.836684	0.976136	ENSMUSG0 Nedd8
ENSMUSG0	21.41358	0.11393	0.552705	0.206132	0.836688	0.976136	ENSMUSG04930513N1
ENSMUSG0	1421.944	0.048798	0.236756	0.206109	0.836706	0.976136	ENSMUSG0 Syt5
ENSMUSG0	32.87302	-0.08898	0.431774	-0.20609	0.836722	0.976136	ENSMUSG0 Neil3
ENSMUSG0	355.2388	0.04888	0.237212	0.20606	0.836744	0.976136	ENSMUSG0 Mettl4
ENSMUSG0	991.0497	-0.05475	0.265795	-0.20597	0.836812	0.976136	ENSMUSG0 C1d
ENSMUSG0	1915.917	-0.03103	0.150656	-0.20597	0.836816	0.976136	ENSMUSG0 Capza2
ENSMUSG0	220.0482	-0.04959	0.240884	-0.20588	0.836883	0.976136	ENSMUSG0 Polg2
ENSMUSG0	1859.327	0.043725	0.212413	0.205847	0.836911	0.976136	ENSMUSG0 Sacm1l
ENSMUSG0	45.98057	0.081262	0.39497	0.205741	0.836993	0.976136	ENSMUSG0 Myl4
ENSMUSG0	19349.87	0.060847	0.295795	0.205706	0.837021	0.976136	ENSMUSG0 Rps9
ENSMUSG0	1355.443	0.030623	0.148889	0.205678	0.837042	0.976136	ENSMUSG0 Fech
ENSMUSG0	5.995734	-0.12992	0.631694	-0.20567	0.837047	0.976136	ENSMUSG0 Ankrd55
ENSMUSG0	4.124014	0.158572	0.771242	0.205606	0.837099	0.976136	ENSMUSG0 Gm48137
ENSMUSG0	2986.654	0.104565	0.508656	0.205571	0.837126	0.976136	ENSMUSG0 Crip1
ENSMUSG0	12.07125	0.11571	0.563173	0.20546	0.837213	0.976136	ENSMUSG0 Gm42559
ENSMUSG0	524.3431	0.036888	0.179761	0.205203	0.837414	0.976136	ENSMUSG0 Carmil1
ENSMUSG0	267.2469	-0.08484	0.414011	-0.20493	0.837629	0.976136	ENSMUSG02010204K1
ENSMUSG0	7.361965	-0.11513	0.561901	-0.20489	0.837654	0.976136	ENSMUSG0 Gm13199
ENSMUSG0	179.0881	-0.05431	0.26509	-0.20489	0.837657	0.976136	ENSMUSG0 Rai14
ENSMUSG0	8.254238	0.139017	0.678489	0.204891	0.837657	0.976136	ENSMUSG0 Gm26616
ENSMUSG0	529.4092	-0.05623	0.274503	-0.20483	0.837706	0.976136	ENSMUSG0 Tyk2
ENSMUSG0	312.9453	-0.03917	0.19127	-0.20476	0.837758	0.976136	ENSMUSG0 Ptrh2
ENSMUSG0	7.174253	0.222188	1.08541	0.204704	0.837804	0.976136	ENSMUSG01700061A0

ENSMUSG0	29.97625	-0.07761	0.379177	-0.20468	0.837821	0.976136	ENSMUSG0 Nr2f1
ENSMUSG0	9.328209	0.239846	1.171832	0.204676	0.837825	0.976136	ENSMUSG0 Gm12185
ENSMUSG0	295.6193	-0.04232	0.206887	-0.20457	0.837906	0.976136	ENSMUSG0 Sgf29
ENSMUSG0	3.069058	-0.22363	1.093753	-0.20446	0.837996	0.976136	ENSMUSG0 Gm13627
ENSMUSG0	112.3885	0.069092	0.337984	0.204424	0.838022	0.976136	ENSMUSG0 Nme5
ENSMUSG0	1441.225	0.040954	0.200341	0.204421	0.838024	0.976136	ENSMUSG0 Ctcf
ENSMUSG0	16.00264	0.10585	0.518394	0.204189	0.838206	0.976136	ENSMUSG0 Cdkn3
ENSMUSG0	18.22455	-0.10557	0.517202	-0.20412	0.838259	0.976136	ENSMUSG0 Gm43059
ENSMUSG0	857.7526	-0.03874	0.189919	-0.204	0.838355	0.976136	ENSMUSG0 Nkiras2
ENSMUSG0	7.554334	-0.131	0.642315	-0.20395	0.838392	0.976136	ENSMUSG0 B230112G1
ENSMUSG0	19065.73	-0.0493	0.241734	-0.20394	0.838402	0.976136	ENSMUSG0 Mrfap1
ENSMUSG0	3.442729	-0.17671	0.866495	-0.20394	0.838404	0.976136	ENSMUSG0 Cep295nl
ENSMUSG0	114.6232	0.085135	0.417534	0.2039	0.838431	0.976136	ENSMUSG0 Zfp189
ENSMUSG0	30.97062	0.099277	0.487023	0.203845	0.838475	0.976136	ENSMUSG0 Gm3365
ENSMUSG0	1980.765	-0.02312	0.113439	-0.20379	0.838518	0.976136	ENSMUSG0 Cdip1
ENSMUSG0	6143.063	0.05542	0.272016	0.203739	0.838558	0.976136	ENSMUSG0 Ddx17
ENSMUSG0	880.1005	0.043636	0.214207	0.203708	0.838581	0.976136	ENSMUSG0 Elf1
ENSMUSG0	319.9181	-0.04242	0.208314	-0.20365	0.838623	0.976136	ENSMUSG0 Fbxo46
ENSMUSG0	1369.286	-0.03248	0.159541	-0.2036	0.838666	0.976136	ENSMUSG0 Hibadh
ENSMUSG0	687.9484	0.051908	0.254985	0.203573	0.838687	0.976136	ENSMUSG0 Sipal1l
ENSMUSG0	74.41036	-0.06772	0.33265	-0.20357	0.838689	0.976136	ENSMUSG0 Fkbp7
ENSMUSG0	122.2193	0.048763	0.239575	0.203539	0.838714	0.976136	ENSMUSG0 Ccsap
ENSMUSG0	4.61835	0.292031	1.435049	0.203499	0.838745	0.976136	ENSMUSG0 Cd209f
ENSMUSG0	174.447	0.053671	0.263887	0.203387	0.838833	0.976136	ENSMUSG0 Il1rap
ENSMUSG0	1764.047	-0.05786	0.284589	-0.20333	0.838879	0.976136	ENSMUSG0 Golga3
ENSMUSG0	16.01414	0.201476	0.991234	0.203258	0.838934	0.976136	ENSMUSG0 Cubn
ENSMUSG0	1342.239	0.037544	0.184725	0.20324	0.838947	0.976136	ENSMUSG0 Sin3a
ENSMUSG0	12.56487	0.111848	0.550448	0.203195	0.838983	0.976136	ENSMUSG0 H3c7
ENSMUSG0	1631.889	0.055093	0.27115	0.203183	0.838992	0.976136	ENSMUSG0 Cpt2
ENSMUSG0	5.795597	-0.17366	0.855061	-0.20309	0.839062	0.976136	ENSMUSG0 A730061HC
ENSMUSG0	50.17908	-0.0822	0.40494	-0.20298	0.839148	0.976136	ENSMUSG0 Gm43858
ENSMUSG0	5.315093	0.224016	1.103687	0.202971	0.839158	0.976136	ENSMUSG0 Gm10478
ENSMUSG0	681.855	-0.05804	0.285964	-0.20296	0.839166	0.976136	ENSMUSG0 Pik3r3
ENSMUSG0	812.0402	-0.03248	0.160061	-0.2029	0.839212	0.976136	ENSMUSG0 Pcgf3
ENSMUSG0	27.59939	0.113173	0.557786	0.202897	0.839216	0.976136	ENSMUSG0 Tlr13
ENSMUSG0	7120.83	-0.02853	0.140615	-0.20288	0.839229	0.976136	ENSMUSG0 Csnk1a1
ENSMUSG0	904.7473	0.059699	0.294392	0.202787	0.839302	0.976136	ENSMUSG0 Zrsr2
ENSMUSG0	191.1032	-0.05616	0.277198	-0.2026	0.839451	0.976136	ENSMUSG0 Dock5
ENSMUSG0	67.31232	-0.0689	0.340258	-0.2025	0.839525	0.976136	ENSMUSG0 B230307C2
ENSMUSG0	1440.568	-0.05951	0.293939	-0.20247	0.839551	0.976136	ENSMUSG0 Cabin1
ENSMUSG0	6.595036	0.210491	1.039741	0.202446	0.839568	0.976136	ENSMUSG0 Gm37154
ENSMUSG0	1284.449	-0.05821	0.287602	-0.2024	0.839604	0.976136	ENSMUSG0 Ifi30
ENSMUSG0	1025.541	-0.03563	0.176044	-0.20238	0.839617	0.976136	ENSMUSG0 Fgf12
ENSMUSG0	1535.712	0.053392	0.263869	0.202342	0.839649	0.976136	ENSMUSG0 Far1
ENSMUSG0	1227.458	-0.06118	0.302424	-0.20229	0.839689	0.976136	ENSMUSG0 Rbm26
ENSMUSG0	532.2333	-0.03352	0.165757	-0.20225	0.83972	0.976136	ENSMUSG0 Nup133
ENSMUSG0	77.73685	0.144053	0.712558	0.202164	0.839789	0.976136	ENSMUSG0 Vcan
ENSMUSG0	326.3498	0.03885	0.192224	0.202107	0.839833	0.976136	ENSMUSG0 Marveld2
ENSMUSG0	50.42929	0.060671	0.300199	0.202103	0.839836	0.976136	ENSMUSG0 Etnk2
ENSMUSG0	775.4384	-0.03381	0.167338	-0.20206	0.839873	0.976136	ENSMUSG0 Dennd2d
ENSMUSG0	3.775292	0.235069	1.165066	0.201764	0.840101	0.976136	ENSMUSG0 Gm37589
ENSMUSG0	8.528635	0.130215	0.645393	0.201761	0.840104	0.976136	ENSMUSG0 Gm10101

ENSMUSG0	9.144752	0.121803	0.603789	0.201731	0.840127	0.976136	ENSMUSG0 Gm29675
ENSMUSG0	3192.385	-0.02367	0.117317	-0.20173	0.84013	0.976136	ENSMUSG0 Puf60
ENSMUSG0	9.47259	-0.14466	0.717175	-0.20171	0.840144	0.976136	ENSMUSG0 Gm46339
ENSMUSG0	43.54712	0.106013	0.526055	0.201524	0.840289	0.976136	ENSMUSG0 Il2ra
ENSMUSG0	5.789315	0.144314	0.716245	0.201487	0.840318	0.976136	ENSMUSG0 Cryba4
ENSMUSG0	738.7637	0.042454	0.210737	0.201453	0.840345	0.976136	ENSMUSG0 Git2
ENSMUSG0	614.653	-0.02782	0.138111	-0.20143	0.840359	0.976136	ENSMUSG0 4931406C0
ENSMUSG0	14.11937	0.110289	0.547642	0.201388	0.840395	0.976136	ENSMUSG0 Pcdhbb
ENSMUSG0	460.3589	-0.04658	0.231332	-0.20136	0.84042	0.976136	ENSMUSG0 Zfp281
ENSMUSG0	7.667476	-0.13083	0.649801	-0.20133	0.840437	0.976136	ENSMUSG0 BC049762
ENSMUSG0	4734.932	-0.05788	0.287605	-0.20125	0.840501	0.976136	ENSMUSG0 Rbp4
ENSMUSG0	30.04417	-0.07274	0.361636	-0.20114	0.840591	0.976136	ENSMUSG0 Neurl2
ENSMUSG0	829.9616	-0.02383	0.11849	-0.20112	0.840608	0.976136	ENSMUSG0 Tpra1
ENSMUSG0	1704.038	0.065832	0.3274	0.201075	0.84064	0.976136	ENSMUSG0 Lnpep
ENSMUSG0	117.7139	-0.06797	0.338239	-0.20095	0.840739	0.976136	ENSMUSG0 Rrm2
ENSMUSG0	2188.477	-0.04343	0.216106	-0.20095	0.840741	0.976136	ENSMUSG0 Prpf4b
ENSMUSG0	475.8056	0.053896	0.268472	0.20075	0.840894	0.976136	ENSMUSG0 Zfyve16
ENSMUSG0	706.3326	-0.03133	0.156211	-0.20059	0.841019	0.976136	ENSMUSG0 Crbn
ENSMUSG0	730.6892	-0.03247	0.161882	-0.20059	0.841021	0.976136	ENSMUSG0 Fam149b
ENSMUSG0	4.22273	-0.20107	1.003042	-0.20046	0.841122	0.976136	ENSMUSG0 Fbxl13
ENSMUSG0	527.5946	0.040527	0.202258	0.200374	0.841188	0.976136	ENSMUSG0 Dclk2
ENSMUSG0	4.957979	-0.1432	0.714879	-0.20031	0.841236	0.976136	ENSMUSG0 G430095P1
ENSMUSG0	9.066915	-0.47215	2.35762	-0.20027	0.841272	0.976136	ENSMUSG0 Ccl24
ENSMUSG0	3950.419	0.043344	0.216541	0.200165	0.841352	0.976136	ENSMUSG0 Caprin1
ENSMUSG0	904.8152	0.064108	0.320406	0.200083	0.841415	0.976136	ENSMUSG0 Fbxl20
ENSMUSG0	603.4057	-0.04672	0.2336	-0.20002	0.841465	0.976136	ENSMUSG0 Zfp326
ENSMUSG0	433.1771	0.031108	0.155527	0.200018	0.841467	0.976136	ENSMUSG0 Coq6
ENSMUSG0	2084.316	-0.04194	0.209751	-0.19996	0.84151	0.976136	ENSMUSG0 Psmc4
ENSMUSG0	1206.025	-0.07135	0.356813	-0.19996	0.841515	0.976136	ENSMUSG0 Hras
ENSMUSG0	1326.51	-0.04598	0.230009	-0.19992	0.841542	0.976136	ENSMUSG0 Cers2
ENSMUSG0	1413.088	-0.04722	0.23621	-0.1999	0.841561	0.976136	ENSMUSG0 Trp53i11
ENSMUSG0	1400.3	0.063973	0.320038	0.199891	0.841566	0.976136	ENSMUSG0 Ago2
ENSMUSG0	1400.687	0.05332	0.266846	0.199817	0.841623	0.976136	ENSMUSG0 Ralgapb
ENSMUSG0	114.3616	-0.05162	0.25836	-0.19979	0.841646	0.976136	ENSMUSG0 913001902
ENSMUSG0	739.6519	-0.03958	0.198193	-0.19972	0.841701	0.976136	ENSMUSG0 Kctd3
ENSMUSG0	352.1213	0.045653	0.228689	0.199628	0.841771	0.976136	ENSMUSG0 Gm12258
ENSMUSG0	621.6665	0.067191	0.336863	0.199462	0.841901	0.976136	ENSMUSG0 Abl2
ENSMUSG0	1564.834	0.033111	0.166023	0.19944	0.841919	0.976136	ENSMUSG0 Ric8a
ENSMUSG0	184.9583	-0.04012	0.201199	-0.19943	0.841928	0.976136	ENSMUSG0 Ccdc77
ENSMUSG0	1858.15	0.060624	0.304048	0.199389	0.841959	0.976136	ENSMUSG0 Pnn
ENSMUSG0	3232.136	0.0434	0.217755	0.199305	0.842025	0.976136	ENSMUSG0 Baz1b
ENSMUSG0	258.2892	-0.0434	0.217769	-0.1993	0.842031	0.976136	ENSMUSG0 Snx16
ENSMUSG0	1767.701	0.039025	0.195864	0.199248	0.842069	0.976136	ENSMUSG0 Usp22
ENSMUSG0	2077.196	0.061802	0.310211	0.199227	0.842085	0.976136	ENSMUSG0 Kdm5a
ENSMUSG0	3240.057	0.02248	0.112861	0.199186	0.842118	0.976136	ENSMUSG0 Ap2a1
ENSMUSG0	1472.743	0.041117	0.20653	0.199084	0.842197	0.97615	ENSMUSG0 Xpo7
ENSMUSG0	3.684471	-0.19183	0.964389	-0.19892	0.842329	0.97615	ENSMUSG0 Rpsa-ps7
ENSMUSG0	279.8491	0.101819	0.511966	0.198879	0.842357	0.97615	ENSMUSG0 Gpsm3
ENSMUSG0	4.75212	0.268096	1.348264	0.198845	0.842384	0.97615	ENSMUSG0 4930486L2
ENSMUSG0	1197.729	0.031809	0.160082	0.198706	0.842493	0.97615	ENSMUSG0 Hectd3
ENSMUSG0	671.6306	-0.03038	0.152874	-0.1987	0.8425	0.97615	ENSMUSG0 Zfp422
ENSMUSG0	5639.849	-0.05112	0.257293	-0.19868	0.842515	0.97615	ENSMUSG0 Ptpa

ENSMUSG0	8.911619	0.139996	0.704735	0.198651	0.842536	0.97615	ENSMUSG0	Gm42748
ENSMUSG0	867.178	-0.03622	0.182525	-0.19846	0.842688	0.97619	ENSMUSG0	Tpst1
ENSMUSG0	67.67158	-0.05087	0.256368	-0.19841	0.842722	0.97619	ENSMUSG0	Rdh5
ENSMUSG0	488.6335	-0.06973	0.351455	-0.19841	0.842722	0.97619	ENSMUSG0	Gmip
ENSMUSG0	4.78763	0.165569	0.835805	0.198095	0.842971	0.976419	ENSMUSG0	Gm42722
ENSMUSG0	400.749	0.040626	0.205395	0.197796	0.843204	0.976584	ENSMUSG0	Rabep2
ENSMUSG0	496.6403	-0.10357	0.523705	-0.19776	0.843234	0.976584	ENSMUSG0	Zdhhc22
ENSMUSG0	27.91697	0.070809	0.358198	0.197681	0.843295	0.976584	ENSMUSG0	Zfp773
ENSMUSG0	633.5242	-0.04397	0.222478	-0.19762	0.843344	0.976584	ENSMUSG0	Ehmt1
ENSMUSG0	567.7246	0.035777	0.181129	0.197522	0.843419	0.976584	ENSMUSG0	Trnt1
ENSMUSG0	1324.805	0.059378	0.30064	0.197504	0.843433	0.976584	ENSMUSG0	Pik3r1
ENSMUSG0	1256.611	0.062064	0.314407	0.197398	0.843516	0.976584	ENSMUSG0	S100a10
ENSMUSG0	1284.319	0.025132	0.12732	0.197394	0.843519	0.976584	ENSMUSG0	Fbxo38
ENSMUSG0	8.823858	-0.23644	1.199301	-0.19715	0.843714	0.976721	ENSMUSG0	Rpl3-ps1
ENSMUSG0	1116.184	0.064505	0.327299	0.197083	0.843763	0.976721	ENSMUSG0	Tmem123
ENSMUSG0	239.1792	0.032364	0.164244	0.197047	0.84379	0.976721	ENSMUSG0	Pola2
ENSMUSG0	25.43905	-0.06381	0.323946	-0.19698	0.843846	0.976726	ENSMUSG0	Gm43566
ENSMUSG0	16.73465	-0.07554	0.383771	-0.19683	0.843963	0.976803	ENSMUSG0	Gm47508
ENSMUSG0	365.3727	0.028576	0.145259	0.196721	0.844046	0.976839	ENSMUSG0	Arl15
ENSMUSG0	272.1838	0.035285	0.179423	0.196657	0.844096	0.976839	ENSMUSG0	Brf2
ENSMUSG0	17.63704	-0.0759	0.3865	-0.19638	0.844316	0.976864	ENSMUSG0	Gm13688
ENSMUSG0	11.4669	-0.11352	0.578082	-0.19637	0.844322	0.976864	ENSMUSG0	Gli3
ENSMUSG0	111.6506	0.054107	0.275641	0.196295	0.84438	0.976864	ENSMUSG0	Pms1
ENSMUSG0	2371.266	-0.0527	0.268572	-0.19623	0.84443	0.976864	ENSMUSG0	Smarca5
ENSMUSG0	6452.263	-0.02927	0.149155	-0.19621	0.844445	0.976864	ENSMUSG0	Eif5
ENSMUSG0	18.15767	0.11607	0.591622	0.19619	0.844461	0.976864	ENSMUSG0	P2ry10b
ENSMUSG0	4262.284	-0.03142	0.160186	-0.19618	0.844473	0.976864	ENSMUSG0	Hp1bp3
ENSMUSG0	219.1897	0.047584	0.242668	0.196087	0.844542	0.976883	ENSMUSG0	Elk1
ENSMUSG0	278.6491	0.054334	0.277178	0.196025	0.844591	0.976883	ENSMUSG0	Efna1
ENSMUSG0	24.47585	-0.17672	0.902116	-0.19589	0.844695	0.976945	ENSMUSG0	Serpina3f
ENSMUSG0	1472.207	-0.0683	0.349207	-0.19559	0.844933	0.9771	ENSMUSG0	Tmem131l
ENSMUSG0	3642.569	0.034415	0.175994	0.195548	0.844964	0.9771	ENSMUSG0	Nop53
ENSMUSG0	26.04762	-0.08694	0.444805	-0.19545	0.845044	0.9771	ENSMUSG0	Gm37660
ENSMUSG0	902.8754	0.033619	0.172118	0.195324	0.845139	0.9771	ENSMUSG0	Slc39a13
ENSMUSG0	8.342627	0.166413	0.852032	0.195313	0.845148	0.9771	ENSMUSG0	Rpl36a-ps1
ENSMUSG0	5.101939	-0.18433	0.943821	-0.1953	0.845157	0.9771	ENSMUSG0	Gm42856
ENSMUSG0	184.3406	0.058112	0.297603	0.195267	0.845184	0.9771	ENSMUSG0	Rsad1
ENSMUSG0	3.407991	-0.18142	0.92938	-0.1952	0.845235	0.9771	ENSMUSG0	Gm43560
ENSMUSG0	1359.254	0.071851	0.368334	0.195069	0.845339	0.977109	ENSMUSG0	Slk
ENSMUSG0	1061.695	-0.02459	0.126092	-0.19502	0.845381	0.977109	ENSMUSG0	Aco1
ENSMUSG0	16890.23	0.03591	0.184155	0.194997	0.845395	0.977109	ENSMUSG0	Rpl3
ENSMUSG0	459.5549	0.051173	0.262529	0.194922	0.845454	0.977118	ENSMUSG0	Ccdc90b
ENSMUSG0	66175.27	0.065058	0.334048	0.194757	0.845583	0.977208	ENSMUSG0	Pcsk1n
ENSMUSG0	2259.256	-0.04025	0.206788	-0.19465	0.845664	0.977232	ENSMUSG0	Lrpprc
ENSMUSG0	105.1329	0.054015	0.277566	0.194602	0.845705	0.977232	ENSMUSG0	Trim14
ENSMUSG0	1043.812	0.029901	0.153712	0.194525	0.845765	0.977242	ENSMUSG0	Cas21
ENSMUSG0	39.02307	-0.07207	0.370662	-0.19443	0.845839	0.977269	ENSMUSG0	Dapk2
ENSMUSG0	29.49772	-0.11799	0.607262	-0.1943	0.845941	0.97729	ENSMUSG0	Gm49768
ENSMUSG0	822.1015	0.033979	0.174897	0.194278	0.845958	0.97729	ENSMUSG0	Wdr34
ENSMUSG0	366.1341	-0.03282	0.169109	-0.19407	0.846117	0.977415	ENSMUSG0	Eefsec
ENSMUSG0	1660.663	-0.04883	0.252449	-0.19344	0.846612	0.977669	ENSMUSG0	2210016F1
ENSMUSG0	41.32794	-0.08241	0.426107	-0.19341	0.846638	0.977669	ENSMUSG0	Rgn

ENSMUSG0	230.8641	0.039491	0.204209	0.193387	0.846656	0.977669	ENSMUSG0 Sirt6
ENSMUSG0	105.8493	-0.0452	0.233736	-0.19338	0.846662	0.977669	ENSMUSG0 Alg13
ENSMUSG0	20.54659	0.163463	0.845315	0.193375	0.846665	0.977669	ENSMUSG0 Vmn2r29
ENSMUSG0	4.019232	0.194251	1.004725	0.193337	0.846695	0.977669	ENSMUSG0 Gucy2g
ENSMUSG0	4.118166	-0.19899	1.030198	-0.19316	0.846835	0.977669	ENSMUSG01700064M:
ENSMUSG0	837.0399	0.039784	0.206049	0.193078	0.846898	0.977669	ENSMUSG0 Naa20
ENSMUSG0	37.4129	0.065695	0.34026	0.193073	0.846902	0.977669	ENSMUSG0 Gm37397
ENSMUSG0	1217.741	-0.10111	0.523715	-0.19306	0.84691	0.977669	ENSMUSG0 Cd79b
ENSMUSG0	1387.081	-0.0406	0.210363	-0.19302	0.846947	0.977669	ENSMUSG0 Tnrc6c
ENSMUSG0	6460.316	-0.04464	0.231646	-0.19269	0.847199	0.977806	ENSMUSG0 Syt7
ENSMUSG0	1238.674	0.037078	0.192536	0.192579	0.847289	0.977806	ENSMUSG0 Hnrnp3
ENSMUSG0	1964.915	-0.05897	0.306419	-0.19244	0.847395	0.977806	ENSMUSG0 Pitpnm2
ENSMUSG0	5.380592	0.143045	0.743344	0.192434	0.847402	0.977806	ENSMUSG0 Gm31749
ENSMUSG0	1386.373	-0.0504	0.261911	-0.19243	0.847403	0.977806	ENSMUSG0 Gtf3c2
ENSMUSG0	122.5044	0.048387	0.251689	0.192249	0.847547	0.977806	ENSMUSG0 Gm49602
ENSMUSG0	4.505089	-0.16089	0.836935	-0.19224	0.847556	0.977806	ENSMUSG0 Acot3
ENSMUSG0	3566.581	-0.0506	0.263288	-0.19217	0.847611	0.977806	ENSMUSG0 Tprgl
ENSMUSG0	132.8663	-0.04964	0.258328	-0.19216	0.847615	0.977806	ENSMUSG0 AU041133
ENSMUSG0	1561.205	-0.02976	0.154967	-0.19204	0.847707	0.977806	ENSMUSG0 Ddx47
ENSMUSG0	3.281862	0.164453	0.856385	0.192032	0.847717	0.977806	ENSMUSG0 Gm10269
ENSMUSG0	2636.543	-0.03047	0.158685	-0.19202	0.847729	0.977806	ENSMUSG0 Becn1
ENSMUSG0	1288.998	0.044583	0.232266	0.191949	0.847782	0.977806	ENSMUSG0 Eml2
ENSMUSG0	1143.44	-0.04164	0.217149	-0.19176	0.847934	0.977806	ENSMUSG0 Slc66a2
ENSMUSG0	2295.261	-0.03539	0.184548	-0.19175	0.847936	0.977806	ENSMUSG0 Ykt6
ENSMUSG0	133.7721	-0.04972	0.259595	-0.19152	0.848118	0.977806	ENSMUSG05430416NC
ENSMUSG0	1734.184	-0.0354	0.184854	-0.1915	0.848137	0.977806	ENSMUSG0 Bnip3l
ENSMUSG0	3.320272	-0.19879	1.038253	-0.19146	0.848162	0.977806	ENSMUSG0 Gm43281
ENSMUSG0	3.37521	0.190151	0.993405	0.191413	0.848202	0.977806	ENSMUSG0 Gm37864
ENSMUSG0	8.550782	0.114661	0.599254	0.19134	0.848259	0.977806	ENSMUSG0 Gm15418
ENSMUSG0	3133.518	-0.05013	0.262039	-0.1913	0.84829	0.977806	ENSMUSG0 Nudt3
ENSMUSG0	3216.337	-0.05478	0.286599	-0.19112	0.848429	0.977806	ENSMUSG0 Grcc10
ENSMUSG0	189.4256	0.060657	0.317485	0.191056	0.848482	0.977806	ENSMUSG0 Arsk
ENSMUSG0	9.769098	-0.14205	0.743551	-0.19105	0.848489	0.977806	ENSMUSG0 Gm43484
ENSMUSG0	443.7601	0.035089	0.183727	0.190984	0.848538	0.977806	ENSMUSG0 Rnf26
ENSMUSG0	172.0767	0.040969	0.214581	0.190927	0.848582	0.977806	ENSMUSG0 B3gnt1l
ENSMUSG0	2310.369	0.021096	0.110502	0.190909	0.848597	0.977806	ENSMUSG0 Prkaca
ENSMUSG0	250.7873	0.052136	0.273265	0.190789	0.848691	0.977806	ENSMUSG04930503L1!
ENSMUSG0	678.8189	0.045836	0.240404	0.190663	0.848789	0.977806	ENSMUSG0 Rb1
ENSMUSG0	693.4425	-0.0263	0.137934	-0.19065	0.848802	0.977806	ENSMUSG0 Vps26a
ENSMUSG0	6057.503	0.065202	0.342061	0.190616	0.848827	0.977806	ENSMUSG0 Prdx2
ENSMUSG0	1060.613	-0.01811	0.095002	-0.1906	0.84884	0.977806	ENSMUSG0 Sppl3
ENSMUSG0	217.7038	-0.05411	0.283989	-0.19055	0.848877	0.977806	ENSMUSG0 Atad2
ENSMUSG0	5.119985	0.257512	1.351484	0.19054	0.848886	0.977806	ENSMUSG0 Umodl1
ENSMUSG0	6.46352	0.115464	0.606217	0.190467	0.848943	0.977806	ENSMUSG02810408111
ENSMUSG0	6.053821	0.134992	0.709123	0.190365	0.849023	0.977806	ENSMUSG0 Prmt8
ENSMUSG0	208.6512	0.033033	0.173528	0.190361	0.849026	0.977806	ENSMUSG0 Tmem117
ENSMUSG0	610.9167	-0.03372	0.177172	-0.19031	0.849063	0.977806	ENSMUSG0 Mfap3
ENSMUSG0	135.9209	-0.05696	0.299345	-0.19029	0.849078	0.977806	ENSMUSG0 Trim65
ENSMUSG0	399.1979	-0.03474	0.182572	-0.19027	0.849099	0.977806	ENSMUSG0 Zfp617
ENSMUSG0	370.8256	0.03902	0.205191	0.190166	0.849179	0.977829	ENSMUSG0 Katnal1
ENSMUSG0	1505.585	0.033467	0.176114	0.190032	0.849284	0.977829	ENSMUSG0 Grb7
ENSMUSG0	14.90084	-0.11796	0.620788	-0.19002	0.849294	0.977829	ENSMUSG0 Milr1

ENSMUSG0	438.9119	-0.06427	0.338549	-0.18984	0.849437	0.977829	ENSMUSG0 Zkscan8
ENSMUSG0	9.779535	-0.20078	1.057894	-0.18979	0.849473	0.977829	ENSMUSG0 Igkv10-94
ENSMUSG0	516.3247	-0.0386	0.20346	-0.18974	0.849511	0.977829	ENSMUSG0 Dolk
ENSMUSG0	49.27928	-0.05769	0.304064	-0.18974	0.849516	0.977829	ENSMUSG0 Zfp708
ENSMUSG0	1435.234	-0.03103	0.163697	-0.18958	0.849635	0.977829	ENSMUSG0 Ptdss1
ENSMUSG0	47.05359	0.08061	0.425245	0.189562	0.849652	0.977829	ENSMUSG01110046J04
ENSMUSG0	1613.909	0.043744	0.230852	0.189488	0.849711	0.977829	ENSMUSG0 Raf1
ENSMUSG0	109.1153	0.039607	0.209077	0.189436	0.849751	0.977829	ENSMUSG0 Thumpd2
ENSMUSG0	666.2444	0.052496	0.277188	0.189387	0.849789	0.977829	ENSMUSG0 Rnf214
ENSMUSG0	619.4893	0.048987	0.258728	0.189339	0.849827	0.977829	ENSMUSG02310033P0
ENSMUSG0	15.45211	0.117996	0.623504	0.189247	0.849899	0.977829	ENSMUSG02610028H2
ENSMUSG0	4.341823	-0.13383	0.707572	-0.18914	0.849986	0.977829	ENSMUSG0 Gm16853
ENSMUSG0	8344.473	0.026372	0.139586	0.188933	0.850145	0.977829	ENSMUSG0 Hap1
ENSMUSG0	201.0536	0.199651	1.056735	0.188932	0.850146	0.977829	ENSMUSG0 Serpina3g
ENSMUSG0	419.1793	-0.03276	0.173373	-0.18893	0.850149	0.977829	ENSMUSG0 Casp3
ENSMUSG0	18.67955	-0.08952	0.474181	-0.18879	0.850259	0.977829	ENSMUSG0 Gm34655
ENSMUSG0	608.8197	0.101033	0.535434	0.188694	0.850332	0.977829	ENSMUSG0 Ltb
ENSMUSG0	355.5842	0.027312	0.144746	0.188689	0.850336	0.977829	ENSMUSG0 Zfp952
ENSMUSG0	749.5238	0.035327	0.187402	0.188512	0.850475	0.977829	ENSMUSG0 Commd4
ENSMUSG0	1446.452	0.029907	0.158664	0.188495	0.850489	0.977829	ENSMUSG0 Ctr9
ENSMUSG0	19.16237	-0.07091	0.376248	-0.18846	0.850516	0.977829	ENSMUSG0 Gm49874
ENSMUSG0	1748.052	-0.05935	0.315066	-0.18839	0.850574	0.977829	ENSMUSG0 Ep400
ENSMUSG0	308.8073	-0.06406	0.340145	-0.18834	0.850611	0.977829	ENSMUSG0 Zbtb43
ENSMUSG0	49.24956	-0.06574	0.349218	-0.18824	0.850688	0.977829	ENSMUSG0 Gm21092
ENSMUSG0	6.098235	0.135372	0.719585	0.188125	0.850779	0.977829	ENSMUSG0 Gm16677
ENSMUSG0	6344.344	-0.04425	0.235221	-0.18812	0.850781	0.977829	ENSMUSG0 Rps19
ENSMUSG0	3239.918	0.031669	0.168346	0.188117	0.850785	0.977829	ENSMUSG0 Ubr5
ENSMUSG0	1306.871	-0.02784	0.148005	-0.18809	0.850806	0.977829	ENSMUSG0 Ythdf1
ENSMUSG0	2398.865	-0.05454	0.290094	-0.188	0.850875	0.977829	ENSMUSG0 Herc2
ENSMUSG0	1028.194	-0.02626	0.139722	-0.18796	0.850906	0.977829	ENSMUSG0 Fbxl14
ENSMUSG0	608.7822	-0.04778	0.254331	-0.18786	0.850988	0.977829	ENSMUSG0 Pde6d
ENSMUSG0	16.22693	0.100391	0.534642	0.187772	0.851056	0.977829	ENSMUSG0 Gm29427
ENSMUSG0	3.781335	-0.21907	1.167472	-0.18765	0.851155	0.977829	ENSMUSG0 Gm10115
ENSMUSG0	411.3624	0.048173	0.256839	0.187563	0.85122	0.977829	ENSMUSG0 Dph6
ENSMUSG0	729.1894	-0.03682	0.196324	-0.18754	0.85124	0.977829	ENSMUSG0 Dnajc9
ENSMUSG0	24.68186	-0.08613	0.459323	-0.18753	0.851249	0.977829	ENSMUSG0 Kank4
ENSMUSG0	911.9474	-0.04481	0.238966	-0.18751	0.851261	0.977829	ENSMUSG0 Pkig
ENSMUSG0	7600.632	-0.05468	0.291685	-0.18745	0.851305	0.977829	ENSMUSG0 Rps26
ENSMUSG0	395.7033	-0.0348	0.185735	-0.18735	0.851383	0.977861	ENSMUSG0 Zfp954
ENSMUSG0	30.18414	-0.06411	0.342619	-0.18711	0.851576	0.97788	ENSMUSG0 Zfp459
ENSMUSG0	1458.124	-0.04541	0.242741	-0.18707	0.851602	0.97788	ENSMUSG0 Avl9
ENSMUSG0	581.9543	0.048606	0.259891	0.187024	0.851642	0.97788	ENSMUSG0 Slc25a14
ENSMUSG0	711.233	-0.03921	0.209689	-0.18698	0.851679	0.97788	ENSMUSG02700081O1
ENSMUSG0	11.52475	-0.14409	0.771171	-0.18685	0.851777	0.97788	ENSMUSG0 BC016579
ENSMUSG0	12.69535	-0.10213	0.546752	-0.18679	0.851822	0.97788	ENSMUSG0 Gm37144
ENSMUSG0	8461.625	-0.06614	0.354203	-0.18672	0.851881	0.97788	ENSMUSG0 Rps21
ENSMUSG0	3442.262	-0.05552	0.29735	-0.18671	0.851885	0.97788	ENSMUSG0 Slc6a6
ENSMUSG0	1153.662	0.044599	0.239012	0.186596	0.851978	0.97788	ENSMUSG0 Zfp687
ENSMUSG0	873.8855	0.061732	0.331157	0.186413	0.852121	0.97788	ENSMUSG0 Gabpb2
ENSMUSG0	27.429	-0.08983	0.48203	-0.18636	0.85216	0.97788	ENSMUSG0 Palb2
ENSMUSG0	1404.395	-0.03896	0.209166	-0.18628	0.852224	0.97788	ENSMUSG0 Prdm2
ENSMUSG0	1927.863	-0.03263	0.175177	-0.18627	0.852235	0.97788	ENSMUSG0 Cab39

ENSMUSG0	1082.347	-0.04573	0.245572	-0.18623	0.852264	0.97788	ENSMUSG0 Parl
ENSMUSG0	11500.21	-0.03758	0.201793	-0.18623	0.852265	0.97788	ENSMUSG0 Rpl7a
ENSMUSG0	13.37694	-0.10731	0.576428	-0.18616	0.852319	0.97788	ENSMUSG01110003F1
ENSMUSG0	877.3684	0.048597	0.261133	0.186101	0.852366	0.97788	ENSMUSG0 Vcpip1
ENSMUSG0	2321.935	0.047878	0.257272	0.1861	0.852366	0.97788	ENSMUSG0 Pak3
ENSMUSG0	63.99765	0.061101	0.328652	0.185913	0.852513	0.977939	ENSMUSG0 Zfp455
ENSMUSG0	213.3886	0.099868	0.537198	0.185905	0.852519	0.977939	ENSMUSG0 Ifi47
ENSMUSG0	47.46996	-0.05787	0.311613	-0.18571	0.852671	0.978014	ENSMUSG0 Lrrc46
ENSMUSG0	303.1588	0.086375	0.465445	0.185576	0.852778	0.978014	ENSMUSG0 Ptpn18
ENSMUSG0	131.7797	-0.06456	0.34842	-0.18528	0.853009	0.978014	ENSMUSG0 F8
ENSMUSG0	98.22002	0.045339	0.244721	0.185269	0.853018	0.978014	ENSMUSG0 Lmcd1
ENSMUSG0	347.067	0.063137	0.340824	0.185249	0.853034	0.978014	ENSMUSG0 Slc43a3
ENSMUSG0	6.195932	0.147402	0.795713	0.185245	0.853037	0.978014	ENSMUSG0 Vpreb1
ENSMUSG0	3.071906	-0.19283	1.041981	-0.18506	0.853179	0.978014	ENSMUSG0 Gm16793
ENSMUSG0	982.2294	0.033878	0.183155	0.18497	0.853253	0.978014	ENSMUSG0 Glod4
ENSMUSG0	194.0639	0.031052	0.167938	0.1849	0.853308	0.978014	ENSMUSG0 Smim10l2a
ENSMUSG0	807.6437	-0.06553	0.354474	-0.18487	0.853329	0.978014	ENSMUSG0 Emc8
ENSMUSG0	3.430652	-0.2216	1.199179	-0.1848	0.85339	0.978014	ENSMUSG0 Gm42589
ENSMUSG0	4.378478	-0.16354	0.885004	-0.18479	0.85339	0.978014	ENSMUSG0 Gm42908
ENSMUSG0	282.3532	-0.05393	0.29186	-0.18478	0.853401	0.978014	ENSMUSG0 Cep295
ENSMUSG0	6535.3	-0.03892	0.210658	-0.18478	0.853405	0.978014	ENSMUSG0 Rtn4
ENSMUSG0	24.11123	-0.11	0.595376	-0.18475	0.853425	0.978014	ENSMUSG0 Ccr1
ENSMUSG0	22.30343	-0.0831	0.449816	-0.18474	0.853433	0.978014	ENSMUSG09530051G0
ENSMUSG0	826.4426	0.036212	0.196136	0.184624	0.853524	0.978014	ENSMUSG0 Zbtb38
ENSMUSG0	1789.681	0.022468	0.121694	0.184624	0.853524	0.978014	ENSMUSG0 SgtA
ENSMUSG0	3.707447	-0.17718	0.960894	-0.18439	0.853706	0.978014	ENSMUSG0 Gm20492
ENSMUSG0	210.9462	-0.07347	0.398457	-0.18438	0.853714	0.978014	ENSMUSG0 Lmo2
ENSMUSG0	479.6282	0.044422	0.240981	0.184339	0.853748	0.978014	ENSMUSG0 Mapk8
ENSMUSG0	1787.839	0.026264	0.142486	0.184329	0.853755	0.978014	ENSMUSG0 Ube2i
ENSMUSG0	11.04701	0.109048	0.592024	0.184196	0.85386	0.978014	ENSMUSG0 Gm5431
ENSMUSG0	7.799305	-0.11541	0.627243	-0.18399	0.854019	0.978014	ENSMUSG0 Gm10702
ENSMUSG0	19.22938	-0.07925	0.430719	-0.18399	0.85402	0.978014	ENSMUSG06430503K0
ENSMUSG0	598.6103	-0.03678	0.19994	-0.18395	0.854051	0.978014	ENSMUSG0 Erich3
ENSMUSG0	2094.984	0.024322	0.1323	0.183843	0.854137	0.978014	ENSMUSG0 Khdrbs1
ENSMUSG0	2896.66	0.0534	0.290521	0.183808	0.854164	0.978014	ENSMUSG0 Kmt2a
ENSMUSG0	588.1601	0.040252	0.218997	0.183799	0.854171	0.978014	ENSMUSG0 Prkdc
ENSMUSG0	3.33894	0.167139	0.909458	0.183779	0.854187	0.978014	ENSMUSG0 Rpl5-ps2
ENSMUSG0	24.92154	-0.37246	2.026856	-0.18376	0.854198	0.978014	ENSMUSG0 Gm48275
ENSMUSG0	2.967394	0.190191	1.035577	0.183657	0.854283	0.978014	ENSMUSG0 Gm49600
ENSMUSG0	1120.584	-0.04298	0.23421	-0.18351	0.854398	0.978014	ENSMUSG0 Eif3j1
ENSMUSG0	308.2252	-0.04339	0.236451	-0.18349	0.854417	0.978014	ENSMUSG0 Gpn3
ENSMUSG0	605.1306	-0.03849	0.209813	-0.18346	0.854434	0.978014	ENSMUSG0 Commd8
ENSMUSG0	73.51609	-0.07674	0.41829	-0.18345	0.854444	0.978014	ENSMUSG0 Dynlrb2
ENSMUSG0	137.1606	-0.07403	0.403825	-0.18333	0.85454	0.978014	ENSMUSG0 Rfc4
ENSMUSG0	233.7077	0.04346	0.237205	0.183217	0.854628	0.978014	ENSMUSG0 Narf
ENSMUSG0	198.5654	-0.05591	0.305223	-0.18318	0.85466	0.978014	ENSMUSG0 Gstt3
ENSMUSG0	862.679	0.032277	0.176234	0.183148	0.854682	0.978014	ENSMUSG0 Cc2d1a
ENSMUSG0	1852.398	-0.0419	0.228778	-0.18313	0.854694	0.978014	ENSMUSG0 Atp13a2
ENSMUSG0	10.58309	-0.10108	0.552481	-0.18296	0.854831	0.978014	ENSMUSG0 Gm15918
ENSMUSG0	1148.634	0.02526	0.138091	0.18292	0.854861	0.978014	ENSMUSG0 Habp4
ENSMUSG0	5378.129	0.041654	0.22793	0.182751	0.854993	0.978014	ENSMUSG0 Zbtb20
ENSMUSG0	931.6099	-0.05258	0.28772	-0.18273	0.855008	0.978014	ENSMUSG0 Tdrd7

ENSMUSG0	38.52116	-0.05464	0.299147	-0.18264	0.855081	0.978014	ENSMUSG0 Gm50012
ENSMUSG0	1046.855	-0.04609	0.252404	-0.18261	0.855108	0.978014	ENSMUSG0 Csnk2a2
ENSMUSG0	188.717	0.04403	0.241156	0.182579	0.855128	0.978014	ENSMUSG0 Spata2l
ENSMUSG0	118.7177	-0.04774	0.261472	-0.18256	0.855141	0.978014	ENSMUSG0 Prickle3
ENSMUSG0	185.6073	0.060446	0.331325	0.182436	0.85524	0.978014	ENSMUSG0 Nme7
ENSMUSG0	709.96	-0.02679	0.146876	-0.18241	0.855265	0.978014	ENSMUSG0 Fbxo25
ENSMUSG0	1002.845	-0.02744	0.150459	-0.18237	0.855294	0.978014	ENSMUSG0 Pqbp1
ENSMUSG0	1033.184	0.043547	0.238906	0.182277	0.855365	0.978014	ENSMUSG0 Ctps2
ENSMUSG0	8.76926	0.125293	0.687993	0.182114	0.855494	0.978014	ENSMUSG0 Pilrb2
ENSMUSG0	589.9354	0.037708	0.207084	0.182092	0.855511	0.978014	ENSMUSG0 St6galnac4
ENSMUSG0	27.07349	-0.13619	0.748096	-0.18206	0.855539	0.978014	ENSMUSG0 Slc9a2
ENSMUSG0	191.737	0.040077	0.220148	0.182048	0.855545	0.978014	ENSMUSG0 Zfp984
ENSMUSG0	201.6943	-0.04279	0.235183	-0.18193	0.85564	0.978014	ENSMUSG0 C2
ENSMUSG0	2024.044	-0.04874	0.268055	-0.18183	0.85572	0.978014	ENSMUSG0 Nenf
ENSMUSG0	1466.95	-0.04823	0.265464	-0.18167	0.855844	0.978014	ENSMUSG0 Psma4
ENSMUSG0	703.209	0.04049	0.222903	0.18165	0.855858	0.978014	ENSMUSG0 Lrrc45
ENSMUSG0	20783.59	-0.07358	0.405162	-0.1816	0.855895	0.978014	ENSMUSG0 Fosb
ENSMUSG0	720.4092	0.036616	0.201653	0.181577	0.855915	0.978014	ENSMUSG0 Emc2
ENSMUSG0	6.495577	-0.11185	0.61613	-0.18154	0.85594	0.978014	ENSMUSG0 Gm3488
ENSMUSG0	722.2812	0.03996	0.220131	0.181528	0.855953	0.978014	ENSMUSG0 Kremen1
ENSMUSG0	105.603	-0.05191	0.286056	-0.18145	0.856012	0.978014	ENSMUSG0 Ttc23
ENSMUSG0	126.0974	0.039921	0.220034	0.181429	0.856031	0.978014	ENSMUSG0 Tmem81
ENSMUSG0	1535.625	-0.03142	0.173187	-0.18141	0.856042	0.978014	ENSMUSG0 Smarcd2
ENSMUSG0	113.0921	0.119064	0.656597	0.181335	0.856105	0.978028	ENSMUSG0 Gm14391
ENSMUSG0	5.780982	-0.1375	0.759215	-0.18111	0.856278	0.978168	ENSMUSG0 C430014B1
ENSMUSG0	11.29211	0.153319	0.847625	0.18088	0.856461	0.978319	ENSMUSG0 Ranbp3l
ENSMUSG0	2049.072	0.036856	0.203877	0.180774	0.856545	0.978356	ENSMUSG0 Ppp4c
ENSMUSG0	1824.352	0.036349	0.201399	0.180484	0.856773	0.978485	ENSMUSG0 Snw1
ENSMUSG0	195.0867	0.045601	0.252698	0.180456	0.856795	0.978485	ENSMUSG0 Cyp4b1
ENSMUSG0	1731.795	-0.0262	0.145257	-0.18039	0.856845	0.978485	ENSMUSG0 Tspan31
ENSMUSG0	127.2453	0.040606	0.225188	0.180321	0.856901	0.978485	ENSMUSG0 Trim45
ENSMUSG0	1307.416	-0.04515	0.250618	-0.18017	0.85702	0.978485	ENSMUSG0 Ddi2
ENSMUSG0	89.82816	0.176603	0.980868	0.180047	0.857115	0.978485	ENSMUSG0 Aadac
ENSMUSG0	396176.2	0.072397	0.402119	0.180038	0.857123	0.978485	ENSMUSG0 Gcg
ENSMUSG0	1321.54	0.038422	0.213479	0.179982	0.857167	0.978485	ENSMUSG0 Vps53
ENSMUSG0	107.9122	-0.15668	0.870558	-0.17998	0.857171	0.978485	ENSMUSG0 Gm14434
ENSMUSG0	1062.437	0.031737	0.17635	0.179967	0.857179	0.978485	ENSMUSG0 Tbc1d13
ENSMUSG0	472.6865	0.046857	0.260658	0.179764	0.857338	0.978485	ENSMUSG0 Tipin
ENSMUSG0	914.2187	-0.04647	0.258524	-0.17976	0.85734	0.978485	ENSMUSG0 Tcf20
ENSMUSG0	245.5561	-0.02545	0.141617	-0.17971	0.85738	0.978485	ENSMUSG0 Yju2
ENSMUSG0	1097.177	0.037849	0.210681	0.179651	0.857426	0.978485	ENSMUSG0 Pdcd11
ENSMUSG0	229.522	-0.03484	0.193992	-0.17962	0.857453	0.978485	ENSMUSG0 Prdm10
ENSMUSG0	2607.349	-0.05124	0.28556	-0.17945	0.857582	0.978485	ENSMUSG0 Atxn2l
ENSMUSG0	3667.124	0.022017	0.12274	0.17938	0.85764	0.978485	ENSMUSG0 Hdgf
ENSMUSG0	676.6234	-0.02972	0.165693	-0.17935	0.857667	0.978485	ENSMUSG0 Zw10
ENSMUSG0	865.3699	0.042751	0.238389	0.179334	0.857675	0.978485	ENSMUSG0 Rcor1
ENSMUSG0	282.3566	-0.04844	0.27026	-0.17923	0.85776	0.978524	ENSMUSG0 Fkbp1
ENSMUSG0	45.90588	0.147258	0.822202	0.179102	0.857858	0.978573	ENSMUSG0 Cd7
ENSMUSG0	1695.419	-0.0514	0.287265	-0.17894	0.857988	0.978573	ENSMUSG0 Anapc11
ENSMUSG0	10.50875	-0.13	0.726562	-0.17893	0.857996	0.978573	ENSMUSG0 Gm15809
ENSMUSG0	5.021251	0.329112	1.839509	0.178913	0.858006	0.978573	ENSMUSG0 Gm10552
ENSMUSG0	1296.234	0.04444	0.248501	0.178832	0.858069	0.978587	ENSMUSG0 Eif1b

ENSMUSG0	14217.64	-0.04479	0.250597	-0.17875	0.858135	0.978604	ENSMUSG0 Rpl18
ENSMUSG0	1117.159	0.032906	0.184248	0.178596	0.858255	0.978629	ENSMUSG0 Cnst
ENSMUSG0	8.349367	-0.09498	0.531804	-0.17859	0.858259	0.978629	ENSMUSG0 Gm44116
ENSMUSG0	177.2102	-0.05785	0.324067	-0.1785	0.858329	0.978651	ENSMUSG0 Dmrtc1a
ENSMUSG0	1182.617	0.026696	0.149799	0.178212	0.858557	0.978777	ENSMUSG0 Usp15
ENSMUSG0	121.5664	-0.05119	0.287357	-0.17814	0.85861	0.978777	ENSMUSG0 Cip2a
ENSMUSG0	7923.644	-0.03614	0.202923	-0.17812	0.858632	0.978777	ENSMUSG0 Dync1h1
ENSMUSG0	1432.617	0.033885	0.19036	0.178005	0.858719	0.978777	ENSMUSG0 AW549877
ENSMUSG0	2668.682	-0.04713	0.264919	-0.17791	0.858796	0.978777	ENSMUSG0 Serpinb6a
ENSMUSG0	3850.608	0.040682	0.228711	0.177876	0.858821	0.978777	ENSMUSG0 Plvap
ENSMUSG0	1760.015	-0.02752	0.154764	-0.17783	0.858859	0.978777	ENSMUSG0 Snrk
ENSMUSG0	19.1044	0.099701	0.561338	0.177613	0.859027	0.978777	ENSMUSG04930539J05
ENSMUSG0	597.0517	-0.04532	0.255183	-0.1776	0.859034	0.978777	ENSMUSG0 Ercc6l2
ENSMUSG0	73.46853	0.069663	0.39233	0.177562	0.859067	0.978777	ENSMUSG0 Mybl2
ENSMUSG0	354.2404	0.051293	0.288978	0.177499	0.859116	0.978777	ENSMUSG0 Mrps25
ENSMUSG0	1397.657	-0.06891	0.38821	-0.1775	0.859118	0.978777	ENSMUSG0 Mpc2
ENSMUSG0	277.6748	0.030839	0.173811	0.177427	0.859173	0.978777	ENSMUSG0 Mcu
ENSMUSG0	1625.623	-0.02781	0.156747	-0.17739	0.859202	0.978777	ENSMUSG0 Hcfc1
ENSMUSG0	1774.434	-0.07505	0.423111	-0.17738	0.859212	0.978777	ENSMUSG0 Polr2l
ENSMUSG0	35.71472	-0.09017	0.508493	-0.17732	0.859254	0.978777	ENSMUSG0 F13a1
ENSMUSG0	3.29722	0.352267	1.990378	0.176985	0.85952	0.978813	ENSMUSG0 Gm21860
ENSMUSG0	990.4443	0.047998	0.271238	0.176959	0.859541	0.978813	ENSMUSG0 Dnajc12
ENSMUSG0	2448.263	-0.03502	0.197894	-0.17694	0.859552	0.978813	ENSMUSG0 Bclaf1
ENSMUSG0	36.57845	0.08463	0.478294	0.176942	0.859554	0.978813	ENSMUSG0 Trp53cor1
ENSMUSG0	131.9801	0.045935	0.259674	0.176896	0.85959	0.978813	ENSMUSG0 Ubtd1
ENSMUSG0	505.968	0.036425	0.205973	0.176844	0.859631	0.978813	ENSMUSG0 Smpd4
ENSMUSG0	237.4308	-0.03376	0.190921	-0.17683	0.859643	0.978813	ENSMUSG0 Pibf1
ENSMUSG0	864.894	-0.03593	0.203427	-0.17664	0.859794	0.978813	ENSMUSG0 Bmyc
ENSMUSG0	102.6977	0.104843	0.593774	0.176571	0.859846	0.978813	ENSMUSG0 Cd48
ENSMUSG0	526.7398	-0.03902	0.221182	-0.17643	0.85996	0.978813	ENSMUSG0 Oaf
ENSMUSG0	49.48075	0.10105	0.573442	0.176216	0.860124	0.978813	ENSMUSG0 Gm14308
ENSMUSG0	34.38278	-0.05699	0.323498	-0.17615	0.860172	0.978813	ENSMUSG0 Bvht
ENSMUSG0	39.60169	0.146539	0.832967	0.175924	0.860354	0.978813	ENSMUSG0 Cd27
ENSMUSG0	4.395057	-0.15731	0.89421	-0.17592	0.86036	0.978813	ENSMUSG0 Gm37563
ENSMUSG0	551.3945	-0.03345	0.190155	-0.17591	0.860367	0.978813	ENSMUSG0 Senp1
ENSMUSG0	1549.267	-0.0384	0.218279	-0.1759	0.860372	0.978813	ENSMUSG0 Clns1a
ENSMUSG0	3.067993	-0.1989	1.130779	-0.1759	0.860373	0.978813	ENSMUSG0 Akap14
ENSMUSG0	4105.31	0.047298	0.269252	0.175663	0.860559	0.978813	ENSMUSG0 Plekha6
ENSMUSG0	216.214	-0.05577	0.317523	-0.17565	0.860568	0.978813	ENSMUSG0 Zfp526
ENSMUSG0	290.0951	0.03151	0.179574	0.17547	0.86071	0.978813	ENSMUSG09030025P2
ENSMUSG0	536.8577	-0.05378	0.306517	-0.17545	0.860723	0.978813	ENSMUSG0 Gxylt1
ENSMUSG0	10.92861	0.173617	0.989869	0.175394	0.86077	0.978813	ENSMUSG0 Tigit
ENSMUSG0	51.60668	0.081701	0.465858	0.175378	0.860783	0.978813	ENSMUSG0 Ttc39aos1
ENSMUSG0	11.53981	0.104802	0.597964	0.175264	0.860872	0.978813	ENSMUSG0 Gm47175
ENSMUSG0	796.5682	0.029642	0.169216	0.175175	0.860942	0.978813	ENSMUSG0 Lrch1
ENSMUSG0	4.723338	-0.15353	0.876477	-0.17517	0.860948	0.978813	ENSMUSG0 Gm37320
ENSMUSG0	753.724	-0.03309	0.188955	-0.17514	0.860972	0.978813	ENSMUSG0 Mast1
ENSMUSG0	1763.958	0.028043	0.160483	0.174745	0.86128	0.978813	ENSMUSG0 Dars
ENSMUSG0	372.8705	0.049972	0.286026	0.174712	0.861306	0.978813	ENSMUSG0 Rab11fip1
ENSMUSG0	78.41751	-0.04076	0.233432	-0.17463	0.861373	0.978813	ENSMUSG0 Frg2f1
ENSMUSG0	9215.063	-0.06611	0.378655	-0.17459	0.861403	0.978813	ENSMUSG0 Rpl35a
ENSMUSG0	12.72089	-0.11352	0.650321	-0.17456	0.861429	0.978813	ENSMUSG0 Gm45286

ENSMUSG0	1356.484	-0.04314	0.247147	-0.17455	0.861432	0.978813	ENSMUSG0 Surf1
ENSMUSG0	7.116218	-0.13624	0.78057	-0.17454	0.861438	0.978813	ENSMUSG0 Gm44518
ENSMUSG0	1487.647	0.028984	0.166166	0.174431	0.861527	0.978813	ENSMUSG0 Gatad2a
ENSMUSG0	1451.813	0.030437	0.174504	0.174419	0.861536	0.978813	ENSMUSG0 Fbh1
ENSMUSG0	85.46016	0.066637	0.382162	0.174368	0.861576	0.978813	ENSMUSG0 Nrm
ENSMUSG0	1519.244	-0.02101	0.120531	-0.1743	0.861628	0.978813	ENSMUSG0 Ufd1
ENSMUSG0	1008.739	-0.03301	0.18939	-0.17428	0.861648	0.978813	ENSMUSG0 Btbd2
ENSMUSG0	11.05791	-0.08377	0.481077	-0.17414	0.861755	0.978813	ENSMUSG0 Gm44901
ENSMUSG0	3.442527	-0.15629	0.897712	-0.1741	0.86179	0.978813	ENSMUSG01700003F1
ENSMUSG0	9030.76	0.03332	0.1914	0.174085	0.861799	0.978813	ENSMUSG0 Sdf4
ENSMUSG0	2179.45	0.024815	0.142575	0.174051	0.861825	0.978813	ENSMUSG0 Ranbp3
ENSMUSG0	2666.29	-0.02203	0.126783	-0.17379	0.862029	0.978813	ENSMUSG0 Foxo1
ENSMUSG0	714.1156	0.03633	0.209109	0.173737	0.862072	0.978813	ENSMUSG0 Daxx
ENSMUSG0	3.708159	-0.13992	0.806129	-0.17357	0.8622	0.978813	ENSMUSG0 Gm15937
ENSMUSG0	3.684829	0.16098	0.928776	0.173324	0.862396	0.978813	ENSMUSG0 Igkv12-98
ENSMUSG0	316.5998	-0.03544	0.204494	-0.17329	0.86242	0.978813	ENSMUSG0 Rassf8
ENSMUSG0	1644.311	-0.02894	0.167036	-0.17327	0.862438	0.978813	ENSMUSG0 Dhx40
ENSMUSG0	104.9891	-0.05287	0.305113	-0.17327	0.862439	0.978813	ENSMUSG04930524OC
ENSMUSG0	144.197	0.055941	0.323138	0.173117	0.86256	0.978813	ENSMUSG0 Rtp4
ENSMUSG0	30.79341	0.078166	0.451533	0.173113	0.862563	0.978813	ENSMUSG0 Nsl1
ENSMUSG0	390.1698	-0.05125	0.296131	-0.17308	0.862591	0.978813	ENSMUSG0 Galnt7
ENSMUSG0	1049.517	0.02474	0.142996	0.173013	0.862641	0.978813	ENSMUSG0 Rnf216
ENSMUSG0	675.6542	-0.0407	0.23522	-0.17301	0.862642	0.978813	ENSMUSG0 Cwf19I2
ENSMUSG0	16804.68	0.044665	0.258198	0.172988	0.862661	0.978813	ENSMUSG0 Syp
ENSMUSG0	498.1201	0.037621	0.217524	0.172951	0.86269	0.978813	ENSMUSG0 Fbxl18
ENSMUSG0	195.6427	0.060613	0.350544	0.172911	0.862722	0.978813	ENSMUSG0 Bcar3
ENSMUSG0	59.35967	0.116739	0.675272	0.172878	0.862748	0.978813	ENSMUSG0 Gpr171
ENSMUSG0	6.223382	-0.10985	0.635745	-0.1728	0.862813	0.978813	ENSMUSG0 Gm10827
ENSMUSG0	1686.555	-0.04356	0.252099	-0.17278	0.862825	0.978813	ENSMUSG0 Fryl
ENSMUSG0	67.55669	-0.04873	0.282056	-0.17276	0.862843	0.978813	ENSMUSG0 Pinx1
ENSMUSG0	5.608372	0.12057	0.698234	0.172678	0.862904	0.978813	ENSMUSG0 Nxpe1-ps
ENSMUSG0	414.5807	-0.05492	0.318125	-0.17265	0.862929	0.978813	ENSMUSG0 Psmg3
ENSMUSG0	659.41	-0.04314	0.249954	-0.17259	0.862973	0.978813	ENSMUSG0 Capn15
ENSMUSG0	1789.833	-0.02432	0.140953	-0.17257	0.862987	0.978813	ENSMUSG0 Aagab
ENSMUSG0	199.1347	0.060859	0.352756	0.172524	0.863026	0.978813	ENSMUSG0 Alox5ap
ENSMUSG0	311.6527	0.036773	0.213183	0.172498	0.863046	0.978813	ENSMUSG0 Clcn2
ENSMUSG0	1346.761	-0.05111	0.29633	-0.17248	0.863064	0.978813	ENSMUSG0 Glis3
ENSMUSG0	2180.141	0.033499	0.194352	0.172365	0.863151	0.978813	ENSMUSG0 Oxr1
ENSMUSG0	20.16767	-0.11239	0.652058	-0.17236	0.863157	0.978813	ENSMUSG0A530058N1
ENSMUSG0	338.6191	0.036626	0.212623	0.172258	0.863235	0.978813	ENSMUSG0 Traf3ip2
ENSMUSG0	1747.598	0.025829	0.149948	0.172255	0.863237	0.978813	ENSMUSG0 Necap1
ENSMUSG0	8.179104	0.121677	0.706652	0.172188	0.86329	0.978813	ENSMUSG0 Rdh9
ENSMUSG0	1570.575	-0.0371	0.2155	-0.17214	0.863326	0.978813	ENSMUSG0 Khgrp
ENSMUSG0	16.1189	0.10698	0.621505	0.17213	0.863335	0.978813	ENSMUSG0 Gm43071
ENSMUSG0	2988.811	0.05577	0.324164	0.172043	0.863404	0.978813	ENSMUSG0 Polr2a
ENSMUSG0	1351.534	-0.05055	0.293897	-0.17199	0.863446	0.978813	ENSMUSG0 Ascc3
ENSMUSG0	186.0864	0.036004	0.209382	0.171954	0.863474	0.978813	ENSMUSG0 Zbtb25
ENSMUSG0	69.73693	0.048466	0.281949	0.171895	0.86352	0.978813	ENSMUSG0 Wipf3
ENSMUSG0	4.951361	-0.18181	1.058319	-0.1718	0.863598	0.978813	ENSMUSG0 Rnu3a
ENSMUSG0	5.127256	0.129777	0.755442	0.17179	0.863603	0.978813	ENSMUSG0E030037K0
ENSMUSG0	1862.131	-0.04662	0.27149	-0.17172	0.863657	0.978813	ENSMUSG0 Rnf7
ENSMUSG0	862.8938	-0.03579	0.208428	-0.17171	0.863662	0.978813	ENSMUSG0 Cdk10

ENSMUSG0	1667.295	0.038535	0.22441	0.171715	0.863662	0.978813	ENSMUSG0 Bmpr1a
ENSMUSG0	1239.711	-0.03857	0.224769	-0.17158	0.863769	0.978824	ENSMUSG0 Ift46
ENSMUSG0	9.454138	0.104954	0.611724	0.171571	0.863774	0.978824	ENSMUSG0 Gm3791
ENSMUSG0	4.17328	-0.12996	0.757733	-0.17151	0.863824	0.978824	ENSMUSG0 Gm13680
ENSMUSG0	1379.668	0.028583	0.166935	0.171222	0.864049	0.978998	ENSMUSG0 Smarcb1
ENSMUSG0	63.50416	-0.10068	0.588162	-0.17118	0.864079	0.978998	ENSMUSG0 Gpr18
ENSMUSG0	26000.64	-0.05823	0.340321	-0.17111	0.864134	0.979002	ENSMUSG0 Rps3a1
ENSMUSG0	190.6433	-0.02971	0.173708	-0.17102	0.864207	0.979028	ENSMUSG0 Sspn
ENSMUSG0	876.7351	-0.03416	0.200067	-0.17076	0.864412	0.979203	ENSMUSG0 Zkscan1
ENSMUSG0	3.314156	0.154414	0.905299	0.170567	0.864565	0.979297	ENSMUSG0 Gm48865
ENSMUSG0	682.639	0.039203	0.229896	0.170524	0.864598	0.979297	ENSMUSG0 Vsig10
ENSMUSG0	282.4024	0.419605	2.462608	0.17039	0.864703	0.979313	ENSMUSG0 H2ac19
ENSMUSG0	10.65912	-0.11006	0.646194	-0.17032	0.864759	0.979313	ENSMUSG0 Gm33378
ENSMUSG0	313.1082	0.026084	0.153195	0.170265	0.864801	0.979313	ENSMUSG0 Coil
ENSMUSG0	173.6661	0.064828	0.380988	0.170158	0.864886	0.979313	ENSMUSG0 Fbp1
ENSMUSG0	738.4877	0.029539	0.173807	0.169953	0.865047	0.979313	ENSMUSG0 Cmpk2
ENSMUSG0	353.2926	-0.07254	0.426871	-0.16993	0.865063	0.979313	ENSMUSG0 Tmsb15l
ENSMUSG0	1664.371	0.02754	0.16212	0.169876	0.865107	0.979313	ENSMUSG0 Snx4
ENSMUSG0	340.4405	0.040783	0.240207	0.169783	0.865181	0.979313	ENSMUSG0 Zbtb6
ENSMUSG0	19.70216	-0.14641	0.862462	-0.16976	0.865197	0.979313	ENSMUSG0 Lrrc31
ENSMUSG0	3.558315	-0.18873	1.111746	-0.16976	0.865201	0.979313	ENSMUSG0 Gm4841
ENSMUSG0	182.3173	0.051007	0.300516	0.16973	0.865222	0.979313	ENSMUSG0 Cep135
ENSMUSG0	6.478192	-0.11198	0.660368	-0.16958	0.865343	0.979392	ENSMUSG0 G6330576A1
ENSMUSG0	34.15054	-0.0525	0.309978	-0.16938	0.865498	0.979437	ENSMUSG0 Pcdhb11
ENSMUSG0	208.1903	-0.03341	0.19738	-0.16925	0.865603	0.979437	ENSMUSG0 Dglucy
ENSMUSG0	920.2203	-0.03206	0.189474	-0.16923	0.865619	0.979437	ENSMUSG0 Alkbh6
ENSMUSG0	453.3138	0.038008	0.224616	0.169214	0.865628	0.979437	ENSMUSG0 Nhp2
ENSMUSG0	3.468381	-0.21772	1.28677	-0.1692	0.865637	0.979437	ENSMUSG0 Gm3081
ENSMUSG0	20.72595	0.089735	0.53066	0.169101	0.865717	0.979469	ENSMUSG0 Gm26621
ENSMUSG0	74.60445	0.085867	0.508255	0.168945	0.86584	0.979551	ENSMUSG0 Il9r
ENSMUSG0	4.714449	0.140296	0.830966	0.168835	0.865927	0.979559	ENSMUSG0 Ighv1-76
ENSMUSG0	36.39436	0.072076	0.427204	0.168716	0.86602	0.979559	ENSMUSG0 Zan
ENSMUSG0	76.5378	0.061232	0.363005	0.168681	0.866048	0.979559	ENSMUSG0 A630072M
ENSMUSG0	503.0414	0.023902	0.141702	0.168676	0.866051	0.979559	ENSMUSG0 Abhd14a
ENSMUSG0	3.525418	0.157958	0.937933	0.168411	0.86626	0.979663	ENSMUSG0 AC122821
ENSMUSG0	531.3893	0.033075	0.196454	0.168359	0.866301	0.979663	ENSMUSG0 Zfp771
ENSMUSG0	9.615789	0.112946	0.671099	0.1683	0.866347	0.979663	ENSMUSG0 Robo3
ENSMUSG0	14.23628	-0.13312	0.79221	-0.16804	0.86655	0.979745	ENSMUSG0 2610020C0
ENSMUSG0	927.2281	0.053735	0.319832	0.16801	0.866576	0.979745	ENSMUSG0 Mrpl52
ENSMUSG0	56.96548	-0.11937	0.710608	-0.16798	0.866596	0.979745	ENSMUSG0 Adgrd1
ENSMUSG0	8.120005	-0.09909	0.589988	-0.16795	0.866623	0.979745	ENSMUSG0 B230317F2
ENSMUSG0	701.664	-0.04001	0.238441	-0.16781	0.866735	0.979814	ENSMUSG0 Rdh14
ENSMUSG0	1216.164	-0.03126	0.186532	-0.16757	0.866918	0.979964	ENSMUSG0 Cdc37l1
ENSMUSG0	933.1716	-0.03364	0.201137	-0.16724	0.867182	0.980106	ENSMUSG0 Pdia5
ENSMUSG0	2013.06	-0.03428	0.20509	-0.16716	0.867244	0.980106	ENSMUSG0 Senp6
ENSMUSG0	51.51638	0.092682	0.554608	0.167112	0.867282	0.980106	ENSMUSG0 Calml4
ENSMUSG0	58.2884	0.083133	0.497504	0.1671	0.867291	0.980106	ENSMUSG0 Gm38020
ENSMUSG0	80.35135	-0.06616	0.396032	-0.16706	0.867324	0.980106	ENSMUSG0 Pcdhga12
ENSMUSG0	60.67005	0.068933	0.412709	0.167025	0.86735	0.980106	ENSMUSG0 Irak3
ENSMUSG0	5.576815	0.18363	1.099976	0.16694	0.867417	0.980124	ENSMUSG0 Arsi
ENSMUSG0	1108.779	0.036522	0.218999	0.166769	0.867552	0.980175	ENSMUSG0 Aebp2
ENSMUSG0	28.62347	0.065287	0.391571	0.166731	0.867582	0.980175	ENSMUSG0 Gm12033

ENSMUSG0	690.8785	-0.02899	0.174065	-0.16652	0.867748	0.980175	ENSMUSG0 Rbm4
ENSMUSG0	805.4966	0.019188	0.115232	0.166512	0.867754	0.980175	ENSMUSG0 Rbm22
ENSMUSG0	2255.388	0.029092	0.174717	0.16651	0.867756	0.980175	ENSMUSG0 Psmc3
ENSMUSG0	12.5277	-0.08479	0.509451	-0.16644	0.867814	0.980175	ENSMUSG0 Spata17
ENSMUSG0	12.78353	-0.09234	0.555384	-0.16627	0.867947	0.980175	ENSMUSG0 Scp2-ps2
ENSMUSG0	96.3704	-0.05768	0.346961	-0.16624	0.867972	0.980175	ENSMUSG0 Dlec1
ENSMUSG0	744.7161	-0.03239	0.194843	-0.16621	0.867989	0.980175	ENSMUSG0 Bag4
ENSMUSG0	1186.317	-0.04739	0.285226	-0.16615	0.868041	0.980175	ENSMUSG0 Adam15
ENSMUSG0	17.88962	-0.06381	0.384057	-0.16615	0.868042	0.980175	ENSMUSG0 Gm43062
ENSMUSG0	1309.034	0.033537	0.202057	0.165978	0.868175	0.980175	ENSMUSG0 Wbp1l
ENSMUSG0	836.2413	-0.04018	0.242171	-0.16591	0.868231	0.980175	ENSMUSG0 Foxn3
ENSMUSG0	2343.187	0.038866	0.234303	0.165877	0.868254	0.980175	ENSMUSG0Tmem106b
ENSMUSG0	67.44634	0.165065	0.995246	0.165853	0.868272	0.980175	ENSMUSG0 Gm2026
ENSMUSG0	33.6679	-0.08541	0.514979	-0.16585	0.868277	0.980175	ENSMUSG0 Angptl7
ENSMUSG0	184.4463	-0.06356	0.383661	-0.16567	0.868421	0.980224	ENSMUSG0 Klhdc1
ENSMUSG0	831.72	0.043786	0.26431	0.165662	0.868423	0.980224	ENSMUSG0 Cir1
ENSMUSG0	3.766964	-0.16538	0.999995	-0.16538	0.868645	0.9803	ENSMUSG05430414B1
ENSMUSG0	307.9836	0.072321	0.437447	0.165326	0.868687	0.9803	ENSMUSG0 Pla2g2d
ENSMUSG0	2.96959	-0.15124	0.914955	-0.1653	0.868708	0.9803	ENSMUSG0 Gm12207
ENSMUSG0	621.4528	0.0229	0.138578	0.165246	0.86875	0.9803	ENSMUSG0 Adnp2
ENSMUSG0	4.059587	0.187051	1.132051	0.165232	0.868762	0.9803	ENSMUSG0 Gm28693
ENSMUSG0	358.0635	0.0276	0.167116	0.165157	0.86882	0.9803	ENSMUSG0 Ntmt1
ENSMUSG0	27.29407	0.06001	0.363567	0.165059	0.868898	0.9803	ENSMUSG0 Mc4r
ENSMUSG0	621.5457	0.036596	0.221961	0.164876	0.869042	0.9803	ENSMUSG0 Nprl2
ENSMUSG0	65.9464	-0.06984	0.423573	-0.16488	0.869042	0.9803	ENSMUSG0 Chrna1os
ENSMUSG0	3.056115	0.158945	0.964824	0.16474	0.869149	0.9803	ENSMUSG0 Gm21691
ENSMUSG0	3.139359	0.176689	1.072544	0.164739	0.86915	0.9803	ENSMUSG0 Trbv17
ENSMUSG0	33.76214	-0.07612	0.462351	-0.16464	0.86923	0.9803	ENSMUSG0 Gm49741
ENSMUSG0	9.641429	-0.09307	0.565355	-0.16462	0.869239	0.9803	ENSMUSG0 Gm43863
ENSMUSG0	412.861	0.043989	0.267223	0.164615	0.869247	0.9803	ENSMUSG0 Taf13
ENSMUSG0	74.24017	0.048367	0.294035	0.164496	0.869341	0.9803	ENSMUSG0 Zfp947
ENSMUSG0	1046.894	-0.02693	0.163802	-0.16441	0.869407	0.9803	ENSMUSG0 Ccdc124
ENSMUSG0	165.962	-0.0312	0.189836	-0.16436	0.869451	0.9803	ENSMUSG0 Gm16973
ENSMUSG0	238.7237	0.031937	0.194545	0.164165	0.869601	0.9803	ENSMUSG0 Mindy4
ENSMUSG0	21.37455	0.088839	0.541179	0.164158	0.869607	0.9803	ENSMUSG0 Cenpu
ENSMUSG0	3.53059	-0.16754	1.020609	-0.16415	0.869611	0.9803	ENSMUSG0 Gm14149
ENSMUSG0	191.2459	-0.06081	0.370596	-0.16408	0.86967	0.9803	ENSMUSG0 Gprin3
ENSMUSG0	7.525749	-0.12601	0.768412	-0.16399	0.86974	0.9803	ENSMUSG0 Nxn12
ENSMUSG0	898.7513	-0.0277	0.169011	-0.16391	0.8698	0.9803	ENSMUSG0 Fbxo44
ENSMUSG0	554.309	-0.0436	0.265999	-0.1639	0.869808	0.9803	ENSMUSG0 Rnf111
ENSMUSG0	11.43644	-0.19871	1.212536	-0.16388	0.869825	0.9803	ENSMUSG0 Gm12191
ENSMUSG0	5.863108	-0.10203	0.62285	-0.16381	0.869883	0.9803	ENSMUSG0 Fbxo48
ENSMUSG0	20.62723	0.093342	0.569932	0.163778	0.869906	0.9803	ENSMUSG0 Pcdhb8
ENSMUSG0	3.292982	-0.16986	1.03725	-0.16376	0.869917	0.9803	ENSMUSG0 Gm45537
ENSMUSG0	365.7512	0.02678	0.163621	0.163673	0.869989	0.980324	ENSMUSG0 Gabpb1
ENSMUSG0	65.24631	0.121528	0.743355	0.163486	0.870136	0.980407	ENSMUSG0 Gm3219
ENSMUSG0	1660.844	0.022363	0.136871	0.16339	0.870212	0.980407	ENSMUSG0 Trappc9
ENSMUSG0	637.7681	-0.02122	0.130063	-0.16319	0.87037	0.980407	ENSMUSG0 Mcmbp
ENSMUSG0	13.3119	0.13108	0.803353	0.163166	0.870388	0.980407	ENSMUSG0 Trem14
ENSMUSG0	1784.206	-0.02721	0.166818	-0.16314	0.870412	0.980407	ENSMUSG0 Cluh
ENSMUSG0	1002.838	-0.03959	0.242964	-0.16293	0.870572	0.980407	ENSMUSG0 Zfp592
ENSMUSG0	537.7014	0.032924	0.202167	0.162855	0.870633	0.980407	ENSMUSG0 Mtf2

ENSMUSG0	624.1373	-0.0304	0.18671	-0.16282	0.870656	0.980407	ENSMUSG0 Klhdc4
ENSMUSG0	173.724	0.047053	0.288985	0.162821	0.870659	0.980407	ENSMUSG0 Myrip
ENSMUSG0	102.304	0.163993	1.007218	0.162818	0.870662	0.980407	ENSMUSG0 Ctse
ENSMUSG0	18.82512	0.111807	0.686763	0.162802	0.870674	0.980407	ENSMUSG0 Igkv9-120
ENSMUSG0	72.9616	0.074817	0.459561	0.162802	0.870674	0.980407	ENSMUSG0 Procr
ENSMUSG0	479.6181	-0.03641	0.224028	-0.16252	0.870899	0.980562	ENSMUSG0 Mrpl45
ENSMUSG0	6.763355	-0.11805	0.726466	-0.1625	0.870914	0.980562	ENSMUSG0 4930590J08
ENSMUSG0	1306.854	0.021776	0.134179	0.16229	0.871078	0.980684	ENSMUSG0 Cse1l
ENSMUSG0	1468.418	0.030559	0.188501	0.162115	0.871215	0.980684	ENSMUSG0 As3mt
ENSMUSG0	431.6661	0.052313	0.322816	0.162054	0.871264	0.980684	ENSMUSG0 Mpp1
ENSMUSG0	189.4958	-0.04748	0.293025	-0.16205	0.871269	0.980684	ENSMUSG0 Ccdc61
ENSMUSG0	466.5825	0.118414	0.731016	0.161986	0.871317	0.980684	ENSMUSG0 Cd53
ENSMUSG0	1019.075	0.03006	0.185762	0.161821	0.871447	0.980684	ENSMUSG0 Jmjd6
ENSMUSG0	9.738134	0.137598	0.850522	0.161781	0.871478	0.980684	ENSMUSG0 Gm42634
ENSMUSG0	668.7862	0.055186	0.341158	0.161762	0.871493	0.980684	ENSMUSG0 Foxk1
ENSMUSG0	3.377796	0.130471	0.806671	0.161739	0.871511	0.980684	ENSMUSG0 Gm10544
ENSMUSG0	371.5895	0.035493	0.21971	0.161545	0.871664	0.980684	ENSMUSG0 Ankrd39
ENSMUSG0	2052.188	0.033306	0.206238	0.161494	0.871705	0.980684	ENSMUSG0 Sin3b
ENSMUSG0	117.0121	0.037543	0.232477	0.16149	0.871708	0.980684	ENSMUSG0 Zfp580
ENSMUSG0	1603.353	-0.0545	0.337506	-0.16148	0.871712	0.980684	ENSMUSG0 Zmiz1
ENSMUSG0	379.453	-0.02296	0.142194	-0.16144	0.871747	0.980684	ENSMUSG0 Actr5
ENSMUSG0	52.21708	0.057673	0.357545	0.161304	0.871854	0.980684	ENSMUSG0 Gm16023
ENSMUSG0	833.3119	-0.04096	0.254022	-0.16124	0.871902	0.980684	ENSMUSG0 Rif1
ENSMUSG0	565.4404	0.035606	0.220844	0.161226	0.871915	0.980684	ENSMUSG0 Gkap1
ENSMUSG0	163.7056	-0.03565	0.221185	-0.1612	0.87194	0.980684	ENSMUSG0 Arid3a
ENSMUSG0	6.644824	0.153155	0.950844	0.161073	0.872036	0.980735	ENSMUSG0 Gm43041
ENSMUSG0	474.641	-0.02893	0.180068	-0.16066	0.872363	0.980929	ENSMUSG0 Abhd10
ENSMUSG0	6.167736	0.127263	0.792233	0.160638	0.872378	0.980929	ENSMUSG0 Cfap53
ENSMUSG0	1041.822	0.024173	0.150557	0.16056	0.87244	0.980929	ENSMUSG0 Tbc1d22a
ENSMUSG0	700.0387	0.050736	0.316075	0.160518	0.872473	0.980929	ENSMUSG0 Sos1
ENSMUSG0	112.1505	-0.0459	0.286014	-0.16048	0.872504	0.980929	ENSMUSG0 Aurka
ENSMUSG0	355.4625	0.025996	0.162003	0.160465	0.872515	0.980929	ENSMUSG0 Tigd2
ENSMUSG0	16.89419	0.080567	0.502921	0.160198	0.872725	0.981016	ENSMUSG0 Lrmda
ENSMUSG0	108.2817	0.047971	0.299623	0.160106	0.872798	0.981016	ENSMUSG0 Dbf4
ENSMUSG0	76.7602	0.079805	0.498771	0.160004	0.872878	0.981016	ENSMUSG0 Trim30d
ENSMUSG0	358.8441	-0.03861	0.241337	-0.15996	0.872909	0.981016	ENSMUSG0 Rap2c
ENSMUSG0	2091.551	-0.02434	0.152185	-0.15994	0.872927	0.981016	ENSMUSG0 Nfx1
ENSMUSG0	3.366298	0.147649	0.923529	0.159875	0.87298	0.981016	ENSMUSG0 Gm12922
ENSMUSG0	223.592	-0.04754	0.297398	-0.15986	0.872988	0.981016	ENSMUSG0 Ndufaf1
ENSMUSG0	313.6318	0.030956	0.193658	0.159848	0.873	0.981016	ENSMUSG0 Tmed1
ENSMUSG0	537.9882	0.032323	0.202343	0.159744	0.873082	0.981051	ENSMUSG0 Pou6f1
ENSMUSG0	701.6211	-0.05204	0.325941	-0.15966	0.873146	0.981065	ENSMUSG0 Tbc1d8b
ENSMUSG0	4.540548	0.165243	1.035845	0.159525	0.873255	0.98113	ENSMUSG0 Rskr
ENSMUSG0	2.952041	0.139187	0.873354	0.159371	0.873377	0.981154	ENSMUSG0 Gm6012
ENSMUSG0	3.394076	0.134736	0.845459	0.159364	0.873382	0.981154	ENSMUSG0 Gm29093
ENSMUSG0	5.148436	0.224956	1.412114	0.159304	0.873429	0.981154	ENSMUSG0 Nat8f5
ENSMUSG0	7.500976	-0.13777	0.865613	-0.15915	0.873547	0.981191	ENSMUSG0 Gm42872
ENSMUSG0	811.2911	-0.03051	0.191744	-0.15913	0.873564	0.981191	ENSMUSG0 Acsl4
ENSMUSG0	76.68717	-0.05263	0.330844	-0.15907	0.873616	0.981192	ENSMUSG0 9330104G0
ENSMUSG0	704.2312	-0.0307	0.193189	-0.15893	0.873722	0.981253	ENSMUSG0 Rbm12
ENSMUSG0	14.81585	-0.10269	0.647402	-0.15862	0.873966	0.98147	ENSMUSG0 Hs6st2
ENSMUSG0	1118.842	0.033795	0.213202	0.158511	0.874054	0.981513	ENSMUSG0 Syn1

ENSMUSG0	443.2542	-0.03205	0.202512	-0.15829	0.874232	0.981636	ENSMUSG0 Rtca
ENSMUSG0	431.8455	0.031248	0.197548	0.158179	0.874316	0.981636	ENSMUSG0 Rrp12
ENSMUSG0	1831.017	0.055368	0.350098	0.158151	0.874338	0.981636	ENSMUSG0 Tjp1
ENSMUSG0	289.5548	0.083898	0.530802	0.158059	0.874411	0.981636	ENSMUSG0 Tbc1d10c
ENSMUSG0	166.2579	-0.04248	0.268843	-0.15801	0.874451	0.981636	ENSMUSG0 Pisd-ps2
ENSMUSG0	52.21018	-0.08697	0.550829	-0.15789	0.874545	0.981636	ENSMUSG0 Actn2
ENSMUSG0	3.184778	-0.22043	1.396297	-0.15787	0.874559	0.981636	ENSMUSG0 Klra1
ENSMUSG0	3712.137	0.037771	0.239277	0.157853	0.874573	0.981636	ENSMUSG0 Sdhc
ENSMUSG0	27.33028	0.112202	0.711329	0.157736	0.874665	0.981648	ENSMUSG0 Gm10553
ENSMUSG0	12.48474	-0.10725	0.680043	-0.15771	0.874685	0.981648	ENSMUSG0 E330011M1
ENSMUSG0	184.4698	0.06751	0.428426	0.157577	0.87479	0.981708	ENSMUSG0 Slc7a7
ENSMUSG0	705.3245	0.040381	0.256501	0.15743	0.874906	0.981763	ENSMUSG0 Usp18
ENSMUSG0	21.79336	0.054505	0.346315	0.157385	0.874942	0.981763	ENSMUSG0 Slc38a8
ENSMUSG0	950.9732	-0.0426	0.270775	-0.15732	0.874992	0.981763	ENSMUSG0 Slc23a2
ENSMUSG0	670.0426	0.042032	0.267342	0.157222	0.87507	0.981793	ENSMUSG0 Ncbp3
ENSMUSG0	10.49167	-0.08009	0.510336	-0.15693	0.875301	0.981817	ENSMUSG0 Gm15608
ENSMUSG0	4.987078	-0.1944	1.239024	-0.1569	0.875323	0.981817	ENSMUSG0 Gm44802
ENSMUSG0	90.50928	-0.03296	0.210068	-0.15688	0.87534	0.981817	ENSMUSG0 Nmrk1
ENSMUSG0	771.6947	-0.04106	0.261757	-0.15687	0.875346	0.981817	ENSMUSG0 Ano10
ENSMUSG0	3.124819	0.145908	0.930238	0.15685	0.875363	0.981817	ENSMUSG0 8430419K0
ENSMUSG0	347.2815	0.258549	1.649478	0.156746	0.875445	0.981817	ENSMUSG0 Ighg1
ENSMUSG0	3.006169	0.156169	0.998136	0.15646	0.87567	0.981817	ENSMUSG0 Gm49266
ENSMUSG0	507.8182	0.022185	0.141838	0.15641	0.87571	0.981817	ENSMUSG0 Prmt9
ENSMUSG0	246.0453	-0.04783	0.305809	-0.15641	0.87571	0.981817	ENSMUSG0 Nanp
ENSMUSG0	3.798186	-0.14079	0.900644	-0.15633	0.875775	0.981817	ENSMUSG0 Gm4366
ENSMUSG0	495.8874	-0.03173	0.203192	-0.15618	0.87589	0.981817	ENSMUSG0 Thap3
ENSMUSG0	150.7492	0.037638	0.241042	0.156146	0.875918	0.981817	ENSMUSG0 Tert
ENSMUSG0	25.92084	-0.08371	0.536155	-0.15614	0.875924	0.981817	ENSMUSG0 Gm50303
ENSMUSG0	11.88034	-0.07754	0.496745	-0.15609	0.87596	0.981817	ENSMUSG0 Gm26614
ENSMUSG0	541.0521	-0.03293	0.21103	-0.15603	0.876012	0.981817	ENSMUSG0 Snrpb2
ENSMUSG0	3.530929	-0.14887	0.95415	-0.15602	0.876017	0.981817	ENSMUSG0 Gm11724
ENSMUSG0	15.15137	0.062629	0.401466	0.156002	0.876032	0.981817	ENSMUSG0 C78859
ENSMUSG0	243.3171	-0.03979	0.255303	-0.15587	0.876134	0.981817	ENSMUSG0 Rgs12
ENSMUSG0	1116.087	0.046958	0.301437	0.155781	0.876205	0.981817	ENSMUSG0 Sugt1
ENSMUSG0	3.030235	0.1561	1.002379	0.15573	0.876246	0.981817	ENSMUSG0 Gm14029
ENSMUSG0	510.0591	0.032899	0.211354	0.155658	0.876302	0.981817	ENSMUSG0 Rara
ENSMUSG0	558.1916	-0.04654	0.299026	-0.15564	0.876315	0.981817	ENSMUSG0 Cdk12
ENSMUSG0	6.089702	0.106972	0.687298	0.155641	0.876316	0.981817	ENSMUSG0 Gm37943
ENSMUSG0	1032.153	-0.03225	0.207359	-0.15554	0.876397	0.981823	ENSMUSG0 Fam216a
ENSMUSG0	13.99494	-0.07121	0.457945	-0.1555	0.876424	0.981823	ENSMUSG0 5033403F0
ENSMUSG0	6.926353	0.152866	0.984597	0.155257	0.876618	0.981984	ENSMUSG0 Mypopos
ENSMUSG0	20.7909	0.116332	0.750376	0.155032	0.876796	0.982107	ENSMUSG0 Bmx
ENSMUSG0	450.6169	0.030872	0.199191	0.154988	0.87683	0.982107	ENSMUSG0 Tmem102
ENSMUSG0	245.0826	-0.03399	0.219668	-0.15474	0.877027	0.982258	ENSMUSG0 Tmem67
ENSMUSG0	3673.609	0.028088	0.181608	0.154662	0.877088	0.982258	ENSMUSG0 Dctn1
ENSMUSG0	279.7032	-0.03101	0.200597	-0.15459	0.877145	0.982258	ENSMUSG0 Tmem204
ENSMUSG0	95.45292	-0.03796	0.245798	-0.15444	0.877267	0.982258	ENSMUSG0 Gm43254
ENSMUSG0	1013.093	-0.04931	0.31931	-0.15443	0.877268	0.982258	ENSMUSG0 Zfp292
ENSMUSG0	211.6987	0.038715	0.250859	0.154328	0.877351	0.982258	ENSMUSG0 Pik3cb
ENSMUSG0	1106.649	0.029782	0.193005	0.154307	0.877368	0.982258	ENSMUSG0 Dock7
ENSMUSG0	1274.793	0.050072	0.324562	0.154274	0.877393	0.982258	ENSMUSG0 Trim56
ENSMUSG0	67.46538	-0.03365	0.218234	-0.1542	0.877455	0.982258	ENSMUSG0 Tomm6os

ENSMUSG0	1244.745	-0.02731	0.177169	-0.15417	0.877476	0.982258	ENSMUSG0 Mrps34
ENSMUSG0	9.530312	-0.09232	0.599323	-0.15404	0.877577	0.982314	ENSMUSG0 Gm15672
ENSMUSG0	13.41022	0.101557	0.660007	0.153872	0.87771	0.982343	ENSMUSG0 Ighv1-82
ENSMUSG0	274.5598	0.045167	0.29362	0.153829	0.877745	0.982343	ENSMUSG0 Atxn3
ENSMUSG0	3344.826	-0.04304	0.279834	-0.15381	0.877756	0.982343	ENSMUSG0 Eif3m
ENSMUSG0	150.8532	0.070752	0.460391	0.153678	0.877864	0.982388	ENSMUSG0 Lat2
ENSMUSG0	3.109435	-0.19406	1.263118	-0.15363	0.877898	0.982388	ENSMUSG0 Gm30055
ENSMUSG0	1161.437	0.029327	0.191196	0.153389	0.878091	0.982514	ENSMUSG0 Exoc6b
ENSMUSG0	148.9395	0.030426	0.198448	0.153319	0.878147	0.982514	ENSMUSG0 Slc2a4rg-ps
ENSMUSG0	31.22368	0.122337	0.79828	0.153251	0.878201	0.982514	ENSMUSG0 Gm45899
ENSMUSG0	11.99165	0.074069	0.483402	0.153225	0.878221	0.982514	ENSMUSG0 Ttc30a2
ENSMUSG0	1505.69	0.02556	0.166944	0.153105	0.878315	0.982514	ENSMUSG0 Faf2
ENSMUSG0	365.708	0.034076	0.222571	0.153103	0.878317	0.982514	ENSMUSG0 Ccdc28a
ENSMUSG0	660.7774	0.032099	0.20997	0.152873	0.878498	0.98266	ENSMUSG0 Rfx5
ENSMUSG0	125.6936	-0.04636	0.303567	-0.15273	0.878609	0.982718	ENSMUSG0 Gstm7
ENSMUSG0	3787.984	-0.04471	0.292955	-0.15261	0.878707	0.982718	ENSMUSG0 Atrx
ENSMUSG0	436.5892	0.032624	0.213978	0.152464	0.878821	0.982718	ENSMUSG0 Mphosph6
ENSMUSG0	808.1232	-0.02811	0.184484	-0.15236	0.878905	0.982718	ENSMUSG0 Shmt2
ENSMUSG0	1238.701	-0.02291	0.15044	-0.15229	0.878955	0.982718	ENSMUSG0 Ccdc127
ENSMUSG0	734.4532	0.034147	0.224241	0.15228	0.878966	0.982718	ENSMUSG0 Epc1
ENSMUSG0	4992.816	0.133058	0.874299	0.152188	0.879039	0.982718	ENSMUSG0 Igkc
ENSMUSG0	11.68333	-0.1014	0.666304	-0.15218	0.879045	0.982718	ENSMUSG0 Gm37780
ENSMUSG0	470.6896	-0.04274	0.280845	-0.15217	0.879051	0.982718	ENSMUSG0 Zbtb21
ENSMUSG0	341.5237	0.04616	0.3037	0.151991	0.879194	0.982718	ENSMUSG0 Usp53
ENSMUSG0	44.62723	0.058511	0.385406	0.151818	0.879331	0.982718	ENSMUSG0 A230072E1
ENSMUSG0	1062.806	-0.04588	0.302666	-0.15158	0.879516	0.982718	ENSMUSG0 Nudt21
ENSMUSG0	34.81021	-0.08778	0.579364	-0.15152	0.879569	0.982718	ENSMUSG0 Gm21981
ENSMUSG0	220.0003	0.030489	0.201419	0.151371	0.879683	0.982718	ENSMUSG0 Zfp30
ENSMUSG0	443.0495	0.047729	0.315557	0.151254	0.879776	0.982718	ENSMUSG0 Osbpl6
ENSMUSG0	279.0863	0.042355	0.280817	0.150827	0.880112	0.982718	ENSMUSG0 Sntg1
ENSMUSG0	2407.677	-0.01801	0.119397	-0.15081	0.880125	0.982718	ENSMUSG0 Ctdsp1
ENSMUSG0	1253.177	-0.03919	0.259919	-0.15078	0.880151	0.982718	ENSMUSG0 Ddx21
ENSMUSG0	77.07985	0.041345	0.274212	0.150777	0.880152	0.982718	ENSMUSG0 Gm11131
ENSMUSG0	1397.733	0.028399	0.188359	0.150774	0.880154	0.982718	ENSMUSG0 Marchf7
ENSMUSG0	2.995177	-0.16077	1.066336	-0.15077	0.88016	0.982718	ENSMUSG0 Gm43809
ENSMUSG0	1096.047	-0.02615	0.173588	-0.15067	0.88024	0.982718	ENSMUSG0 Trim8
ENSMUSG0	51.76093	0.07746	0.514402	0.150582	0.880305	0.982718	ENSMUSG0 Acy3
ENSMUSG0	1620.018	-0.02911	0.193316	-0.15056	0.880324	0.982718	ENSMUSG0 Asna1
ENSMUSG0	2021.733	-0.04077	0.270814	-0.15056	0.880326	0.982718	ENSMUSG0 Gdap1l1
ENSMUSG0	2200.497	-0.03012	0.200093	-0.15055	0.880332	0.982718	ENSMUSG0 Kif1c
ENSMUSG0	1300.342	-0.03929	0.260998	-0.15054	0.880337	0.982718	ENSMUSG0 Klf11
ENSMUSG0	8.664726	-0.09581	0.637097	-0.15038	0.880462	0.982718	ENSMUSG0 Rps11-ps1
ENSMUSG0	684.7525	0.045201	0.300601	0.15037	0.880473	0.982718	ENSMUSG0 Snrpg
ENSMUSG0	25.31828	0.088709	0.590081	0.150334	0.880501	0.982718	ENSMUSG0 Kcnk10
ENSMUSG0	1854.489	-0.02007	0.133537	-0.15033	0.880504	0.982718	ENSMUSG0 Gga1
ENSMUSG0	29.2209	-0.39747	2.644862	-0.15028	0.880543	0.982718	ENSMUSG0 Rsc1a1
ENSMUSG0	35.06418	0.044794	0.298098	0.150266	0.880554	0.982718	ENSMUSG0 Sp6
ENSMUSG0	12.31085	-0.083	0.552719	-0.15017	0.88063	0.982718	ENSMUSG0 Gm14057
ENSMUSG0	117.8205	0.043738	0.291272	0.150161	0.880637	0.982718	ENSMUSG0 Zfp937
ENSMUSG0	5.443952	-0.11408	0.75992	-0.15012	0.880668	0.982718	ENSMUSG0 Gm49085
ENSMUSG0	1436.349	-0.04656	0.310233	-0.1501	0.88069	0.982718	ENSMUSG0 Pmpcb
ENSMUSG0	5743.477	-0.04515	0.300917	-0.15003	0.880743	0.982718	ENSMUSG0 Rbm25

ENSMUSG0	722.9969	-0.03922	0.261584	-0.14995	0.880808	0.982718	ENSMUSG0 Ndufaf3
ENSMUSG0	29.64918	0.079681	0.531491	0.149919	0.880829	0.982718	ENSMUSG0 Liph
ENSMUSG0	779.8015	-0.04336	0.289378	-0.14984	0.880892	0.982718	ENSMUSG0 Trpm7
ENSMUSG0	391.6902	-0.06138	0.409813	-0.14977	0.880944	0.982718	ENSMUSG0 Nes
ENSMUSG0	88.81161	-0.05452	0.364067	-0.14974	0.880966	0.982718	ENSMUSG0 AU021092
ENSMUSG0	39.47189	-0.08111	0.542067	-0.14963	0.881054	0.982718	ENSMUSG0 Adap2
ENSMUSG0	622.1282	-0.03695	0.246984	-0.1496	0.881077	0.982718	ENSMUSG0 Atg101
ENSMUSG0	884.7937	-0.03987	0.266562	-0.14958	0.881095	0.982718	ENSMUSG0 Setd1a
ENSMUSG0	4.336406	-0.14266	0.954238	-0.1495	0.88116	0.982718	ENSMUSG0 Htra4
ENSMUSG0	1630.131	0.029265	0.195803	0.149462	0.881189	0.982718	ENSMUSG0 Bin1
ENSMUSG0	500.7714	-0.03018	0.202032	-0.14941	0.881233	0.982718	ENSMUSG0 Orc5
ENSMUSG0	13.46936	0.081711	0.547195	0.149326	0.881296	0.982718	ENSMUSG0 Chrdl2
ENSMUSG0	2246.73	0.035218	0.235946	0.149263	0.881346	0.982718	ENSMUSG0 Chmp3
ENSMUSG0	218.1182	-0.03319	0.222416	-0.14921	0.881388	0.982718	ENSMUSG0 AA414768
ENSMUSG0	1946.658	-0.02529	0.169807	-0.14893	0.881612	0.982718	ENSMUSG0 Rnf145
ENSMUSG0	1353.32	-0.03806	0.255595	-0.14892	0.88162	0.982718	ENSMUSG0 Smg7
ENSMUSG0	3.529365	-0.11481	0.772172	-0.14868	0.881807	0.982718	ENSMUSG0 Skor1
ENSMUSG0	2663.285	0.03408	0.229242	0.148664	0.881819	0.982718	ENSMUSG0 Sorbs2
ENSMUSG0	30.73177	0.063668	0.428387	0.148623	0.881851	0.982718	ENSMUSG0 Tmem26
ENSMUSG0	4498.888	-0.03009	0.202674	-0.14847	0.881973	0.982718	ENSMUSG0 Sfpq
ENSMUSG0	14.48553	-0.08854	0.596417	-0.14846	0.881982	0.982718	ENSMUSG0 Gm42735
ENSMUSG0	31.53141	0.06587	0.443803	0.148422	0.88201	0.982718	ENSMUSG0 Gm17655
ENSMUSG0	485.6233	-0.03539	0.238567	-0.14835	0.882067	0.982718	ENSMUSG0 Ttll4
ENSMUSG0	33.50547	0.061757	0.416338	0.148335	0.882078	0.982718	ENSMUSG0 Siglece
ENSMUSG0	6.196403	0.114242	0.770338	0.148301	0.882105	0.982718	ENSMUSG0 Gm39929
ENSMUSG0	761.7991	-0.02365	0.159579	-0.14819	0.882192	0.982718	ENSMUSG0 Tatdn2
ENSMUSG0	10.30184	0.089495	0.604454	0.148059	0.882296	0.982718	ENSMUSG0 Gjc2
ENSMUSG0	8.270343	-0.11654	0.787227	-0.14803	0.882316	0.982718	ENSMUSG0 Gm10775
ENSMUSG0	1280.726	-0.04275	0.289003	-0.14794	0.882392	0.982718	ENSMUSG0 Rab3b
ENSMUSG0	231.4533	-0.03142	0.212437	-0.14792	0.882407	0.982718	ENSMUSG0 Timm10
ENSMUSG0	14.17838	-0.08071	0.545757	-0.14788	0.882434	0.982718	ENSMUSG0 Gm43692
ENSMUSG0	23.60932	0.062651	0.423962	0.147776	0.88252	0.982718	ENSMUSG0 Gm47572
ENSMUSG0	17.95797	0.080724	0.546501	0.147711	0.882571	0.982718	ENSMUSG0 Shd
ENSMUSG0	845.1618	0.023979	0.162351	0.147699	0.882581	0.982718	ENSMUSG0 Vwa5a
ENSMUSG0	943.3771	-0.02702	0.182982	-0.14767	0.8826	0.982718	ENSMUSG0 Bfar
ENSMUSG0	1785.146	-0.04374	0.296226	-0.14766	0.88261	0.982718	ENSMUSG0 Atpif1
ENSMUSG0	789.5013	-0.04166	0.282154	-0.14766	0.882614	0.982718	ENSMUSG0 Nsrp1
ENSMUSG0	217.9111	0.029037	0.196719	0.147605	0.882655	0.982718	ENSMUSG0 Taf1a
ENSMUSG0	1413.242	-0.03101	0.210175	-0.14756	0.882693	0.982718	ENSMUSG0 Ipo9
ENSMUSG0	2853.04	0.043576	0.295335	0.147546	0.882701	0.982718	ENSMUSG0 Psmb7
ENSMUSG0	5.235954	-0.18575	1.259276	-0.1475	0.882734	0.982718	ENSMUSG0 Gm24265
ENSMUSG0	426.1438	-0.0318	0.215605	-0.14749	0.882741	0.982718	ENSMUSG0 Yes1
ENSMUSG0	6.065137	-0.10118	0.686159	-0.14746	0.882766	0.982718	ENSMUSG0 Ssxb3
ENSMUSG0	22.27281	0.072659	0.493025	0.147373	0.882837	0.982718	ENSMUSG0 543040201
ENSMUSG0	47.99654	-0.10256	0.695954	-0.14737	0.882842	0.982718	ENSMUSG0 Gm15344
ENSMUSG0	4585.299	-0.02027	0.137639	-0.14724	0.882942	0.98277	ENSMUSG0 Akt1
ENSMUSG0	9.168548	-0.10401	0.706707	-0.14718	0.882991	0.98277	ENSMUSG0 Gm49064
ENSMUSG0	15.26251	0.108282	0.736208	0.147081	0.883068	0.982799	ENSMUSG0 Shisa8
ENSMUSG0	1616.844	-0.01844	0.125605	-0.14678	0.883306	0.982831	ENSMUSG0 Wrnip1
ENSMUSG0	1107.138	-0.02632	0.179322	-0.14676	0.883319	0.982831	ENSMUSG0 C2cd5
ENSMUSG0	1269.139	0.024337	0.165892	0.146705	0.883365	0.982831	ENSMUSG0 Atg4b
ENSMUSG0	30.56891	0.244288	1.665299	0.146693	0.883374	0.982831	ENSMUSG0 S100a8

ENSMUSG0	3.993781	0.147814	1.007822	0.146667	0.883395	0.982831	ENSMUSG0 Gm14487
ENSMUSG0	1362.907	-0.04418	0.301263	-0.14666	0.883404	0.982831	ENSMUSG0 Jmjd1c
ENSMUSG0	105.8253	-0.0459	0.313133	-0.14657	0.883468	0.982845	ENSMUSG0 Setdb2
ENSMUSG0	832.1246	0.0214	0.146132	0.14644	0.883574	0.982845	ENSMUSG0 Capn10
ENSMUSG0	1103.552	-0.02877	0.19648	-0.14641	0.883599	0.982845	ENSMUSG0 Thoc3
ENSMUSG0	1238.389	0.027302	0.186699	0.146236	0.883735	0.982845	ENSMUSG0 Ppp1r14b
ENSMUSG0	10052.45	-0.02737	0.187211	-0.14619	0.88377	0.982845	ENSMUSG0 Akr1a1
ENSMUSG0	280.3628	0.036601	0.250394	0.146174	0.883784	0.982845	ENSMUSG0 Sgtb
ENSMUSG0	125.3256	0.085942	0.588079	0.146141	0.88381	0.982845	ENSMUSG0 Rnase6
ENSMUSG0	918.6094	0.02224	0.1522	0.146123	0.883825	0.982845	ENSMUSG0 Fam53c
ENSMUSG0	119.7371	-0.0508	0.347931	-0.146	0.883925	0.9829	ENSMUSG0 Tmem240
ENSMUSG0	3144.755	0.031967	0.219395	0.145707	0.884152	0.983044	ENSMUSG0 Hmgn1
ENSMUSG0	1020.753	0.034988	0.240147	0.145693	0.884164	0.983044	ENSMUSG0 2210016L2
ENSMUSG0	754.6369	0.03304	0.227033	0.14553	0.884293	0.983044	ENSMUSG0 Hdgfl3
ENSMUSG0	420.3836	0.06438	0.442422	0.145518	0.884302	0.983044	ENSMUSG0 Soga1
ENSMUSG0	407.4282	-0.02923	0.20106	-0.14538	0.884408	0.983044	ENSMUSG0 Fgf1
ENSMUSG0	180.381	0.02997	0.206205	0.145342	0.884441	0.983044	ENSMUSG0 Ccdc159
ENSMUSG0	776.559	0.024868	0.171108	0.145335	0.884446	0.983044	ENSMUSG0 Socs5
ENSMUSG0	716.859	0.03403	0.234361	0.145202	0.884551	0.983044	ENSMUSG0 Trnau1ap
ENSMUSG0	9613.283	0.024216	0.166995	0.145008	0.884705	0.983044	ENSMUSG0 Ctnnb1
ENSMUSG0	278.4959	-0.08138	0.561297	-0.14498	0.884725	0.983044	ENSMUSG0 Ntn1
ENSMUSG0	2315.965	-0.04269	0.29446	-0.14498	0.884727	0.983044	ENSMUSG0 Cldn7
ENSMUSG0	506.66	-0.02624	0.181022	-0.14497	0.884731	0.983044	ENSMUSG0 Fbxl4
ENSMUSG0	9.528418	-0.10353	0.714317	-0.14494	0.884762	0.983044	ENSMUSG0 5430437J1C
ENSMUSG0	578.9129	-0.03843	0.265299	-0.14487	0.884815	0.983044	ENSMUSG0 Nt5c
ENSMUSG0	1640.543	0.017719	0.122401	0.144766	0.884896	0.983044	ENSMUSG0 Atic
ENSMUSG0	4.586784	0.11335	0.78328	0.144712	0.884938	0.983044	ENSMUSG0 Zfp987
ENSMUSG0	1906.192	-0.01635	0.113047	-0.14461	0.885015	0.983044	ENSMUSG0 Nploc4
ENSMUSG0	381.6612	0.042285	0.292661	0.144484	0.885119	0.983044	ENSMUSG0 Pcdhga5
ENSMUSG0	1753.681	-0.0312	0.216083	-0.14438	0.885199	0.983044	ENSMUSG0 Nek7
ENSMUSG0	22.68684	-0.06838	0.473602	-0.14438	0.885204	0.983044	ENSMUSG0 BC055308
ENSMUSG0	797.8433	-0.03565	0.247001	-0.14432	0.885245	0.983044	ENSMUSG0 Rexo1
ENSMUSG0	717.6303	-0.03026	0.209659	-0.14431	0.885252	0.983044	ENSMUSG0 Exoc1
ENSMUSG0	5897.007	-0.01789	0.124039	-0.14421	0.885338	0.983044	ENSMUSG0 Gnb1
ENSMUSG0	1153.951	0.03515	0.243919	0.144107	0.885416	0.983044	ENSMUSG0 Zfp704
ENSMUSG0	4.823363	0.103174	0.717109	0.143875	0.8856	0.983044	ENSMUSG0 Gm13054
ENSMUSG0	512.7661	0.029752	0.206866	0.143825	0.885639	0.983044	ENSMUSG0 Gskip
ENSMUSG0	128.7095	0.053483	0.371897	0.14381	0.88565	0.983044	ENSMUSG0 Snhg6
ENSMUSG0	424.9371	-0.02852	0.198359	-0.1438	0.885657	0.983044	ENSMUSG0 Wdr46
ENSMUSG0	426.8146	-0.02776	0.193237	-0.14367	0.885762	0.983044	ENSMUSG0 Exoc8
ENSMUSG0	17.41946	-0.06645	0.462675	-0.14362	0.8858	0.983044	ENSMUSG0 F2rl3
ENSMUSG0	22.97892	0.089873	0.625986	0.14357	0.88584	0.983044	ENSMUSG0 Pkd1l1
ENSMUSG0	789.9035	-0.03735	0.260321	-0.14346	0.885927	0.983044	ENSMUSG0 Rbm28
ENSMUSG0	1226.925	-0.02854	0.199015	-0.14343	0.885951	0.983044	ENSMUSG0 Map3k11
ENSMUSG0	275.1214	-0.02093	0.145949	-0.14338	0.885987	0.983044	ENSMUSG0 Phykpl
ENSMUSG0	972.8115	-0.02599	0.181268	-0.14336	0.886004	0.983044	ENSMUSG0 Vps26c
ENSMUSG0	5.725285	-0.10007	0.698149	-0.14334	0.886025	0.983044	ENSMUSG0 Gm15983
ENSMUSG0	1065.405	-0.02072	0.144725	-0.14316	0.886165	0.983044	ENSMUSG0 Tmem222
ENSMUSG0	83.3876	0.047475	0.331649	0.143147	0.886174	0.983044	ENSMUSG0 Mex3b
ENSMUSG0	80.10915	-0.08916	0.623079	-0.1431	0.886214	0.983044	ENSMUSG0 Gimap7
ENSMUSG0	5.411651	0.145918	1.019967	0.143061	0.886242	0.983044	ENSMUSG0 C230053D1
ENSMUSG0	2.958146	0.121036	0.846414	0.142999	0.886291	0.983044	ENSMUSG0 Lrrc10

ENSMUSG0	295.6104	-0.02432	0.170141	-0.14293	0.886346	0.983044	ENSMUSG0 Pcgf6
ENSMUSG0	504.3928	-0.03356	0.234886	-0.14287	0.886394	0.983044	ENSMUSG0 Mospd2
ENSMUSG0	11.35736	0.09426	0.659856	0.142849	0.88641	0.983044	ENSMUSG0 Cckbr
ENSMUSG0	1558.199	-0.02345	0.16423	-0.14282	0.886434	0.983044	ENSMUSG0 Ilf3
ENSMUSG0	1270.959	-0.03083	0.215907	-0.14278	0.886467	0.983044	ENSMUSG0 Dapk1
ENSMUSG0	2361.809	-0.06519	0.456989	-0.14264	0.886573	0.983044	ENSMUSG0 Cops9
ENSMUSG0	676.0133	0.026608	0.186674	0.142539	0.886654	0.983044	ENSMUSG0 Gss
ENSMUSG0	888.535	0.023965	0.168163	0.142512	0.886676	0.983044	ENSMUSG0 Fam214a
ENSMUSG0	19.89067	-0.08392	0.589284	-0.14241	0.886756	0.983044	ENSMUSG0 Gm48082
ENSMUSG0	464.6618	0.038126	0.267753	0.142391	0.886771	0.983044	ENSMUSG0 Gpr161
ENSMUSG0	3.577016	0.128814	0.90486	0.142358	0.886797	0.983044	ENSMUSG0 Gm26850
ENSMUSG0	530.443	0.021767	0.152912	0.14235	0.886804	0.983044	ENSMUSG0 Parp2
ENSMUSG0	1556.223	-0.03987	0.280094	-0.14233	0.886821	0.983044	ENSMUSG0 Rbm15b
ENSMUSG0	74.2288	-0.04188	0.294512	-0.14221	0.886916	0.983044	ENSMUSG0 Pigw
ENSMUSG0	2131.055	0.019435	0.136697	0.142174	0.886942	0.983044	ENSMUSG0 Nacc1
ENSMUSG0	92.17175	0.085116	0.598866	0.142128	0.886979	0.983044	ENSMUSG0 Best3
ENSMUSG0	1747.546	0.040484	0.28501	0.142045	0.887044	0.983044	ENSMUSG0 Atn1
ENSMUSG0	446.2314	0.028809	0.202862	0.142013	0.88707	0.983044	ENSMUSG0 Snapin
ENSMUSG0	8.819291	-0.09564	0.675092	-0.14167	0.887344	0.983224	ENSMUSG0 Gm12925
ENSMUSG0	6.867351	-0.0965	0.681663	-0.14157	0.887418	0.983224	ENSMUSG0AC154200.:
ENSMUSG0	31.67571	-0.08315	0.587841	-0.14145	0.887517	0.983224	ENSMUSG0 Gm19951
ENSMUSG0	48.31233	0.048253	0.34126	0.141396	0.887557	0.983224	ENSMUSG0 Saxo2
ENSMUSG0	11.2491	0.075788	0.536058	0.141381	0.887569	0.983224	ENSMUSG0 Dhhrs13os
ENSMUSG0	4.220926	-0.19127	1.354218	-0.14124	0.887682	0.983224	ENSMUSG0 Gm49858
ENSMUSG0	4.150537	0.142668	1.011906	0.14099	0.887878	0.983224	ENSMUSG0 Gm45925
ENSMUSG0	185.5268	-0.0451	0.31994	-0.14095	0.887906	0.983224	ENSMUSG02700046G0
ENSMUSG0	4.01691	-0.11985	0.850478	-0.14092	0.887931	0.983224	ENSMUSG0 Gm43872
ENSMUSG0	50.1075	0.050698	0.360015	0.140822	0.88801	0.983224	ENSMUSG08430422M:
ENSMUSG0	28.49155	-0.08582	0.609643	-0.14077	0.888054	0.983224	ENSMUSG0 Fbn2
ENSMUSG0	18.13048	-0.05591	0.397299	-0.14072	0.888094	0.983224	ENSMUSG0 Fcgr4
ENSMUSG0	1168.222	-0.03446	0.245198	-0.14055	0.888223	0.983224	ENSMUSG0 Cdc123
ENSMUSG0	3629.872	0.030022	0.213601	0.140552	0.888224	0.983224	ENSMUSG0 Stub1
ENSMUSG0	3994.155	0.027784	0.197799	0.140463	0.888294	0.983224	ENSMUSG0 Kidins220
ENSMUSG0	4.033552	0.163013	1.161889	0.1403	0.888423	0.983224	ENSMUSG0 Gm44699
ENSMUSG0	3.261801	0.14171	1.010172	0.140283	0.888436	0.983224	ENSMUSG0 Gm45632
ENSMUSG0	4.458436	-0.09926	0.707712	-0.14026	0.888453	0.983224	ENSMUSG0 Gm37339
ENSMUSG0	172.1605	0.040146	0.286313	0.140217	0.888489	0.983224	ENSMUSG0 Akip1
ENSMUSG0	113.3765	0.034329	0.244942	0.140152	0.88854	0.983224	ENSMUSG0 Acot6
ENSMUSG0	10337.88	-0.0421	0.300482	-0.1401	0.888577	0.983224	ENSMUSG0 Rps12
ENSMUSG0	175.5387	0.032159	0.229543	0.1401	0.888581	0.983224	ENSMUSG0 Mcph1
ENSMUSG0	403.8552	-0.0433	0.309092	-0.14009	0.888588	0.983224	ENSMUSG0 Odf2l
ENSMUSG0	8445.696	-0.02611	0.186504	-0.13999	0.888669	0.983224	ENSMUSG0 Morf4l2
ENSMUSG0	1814.29	-0.04142	0.296107	-0.13988	0.888755	0.983224	ENSMUSG0 Htatsf1
ENSMUSG0	988.9822	-0.03798	0.271551	-0.13987	0.888764	0.983224	ENSMUSG0 Suz12
ENSMUSG0	8752.383	-0.04641	0.331902	-0.13982	0.888804	0.983224	ENSMUSG0 Rpl23a
ENSMUSG0	7.763101	0.104425	0.747059	0.139782	0.888832	0.983224	ENSMUSG0AC132288.:
ENSMUSG0	344.852	0.023255	0.166386	0.139767	0.888844	0.983224	ENSMUSG0 Wwox
ENSMUSG0	125.9203	-0.04314	0.308675	-0.13976	0.888852	0.983224	ENSMUSG0 Rwdd3
ENSMUSG0	1397.63	-0.02012	0.143987	-0.13973	0.888876	0.983224	ENSMUSG0 Mib2
ENSMUSG0	150.1441	0.027925	0.200056	0.139584	0.888989	0.983224	ENSMUSG0 Gon7
ENSMUSG0	4.726762	0.184996	1.325801	0.139535	0.889027	0.983224	ENSMUSG0 Vxn
ENSMUSG0	1843.176	0.03018	0.216391	0.139468	0.88908	0.983224	ENSMUSG0 Kdr

ENSMUSG0	3.113743	-0.13421	0.962367	-0.13946	0.889086	0.983224	ENSMUSG0 Gm43496
ENSMUSG0	41.22196	0.104432	0.74893	0.139442	0.889101	0.983224	ENSMUSG0 Duxbl2
ENSMUSG0	2625.548	0.025846	0.185477	0.139347	0.889176	0.983224	ENSMUSG0 Itfg1
ENSMUSG0	2069.103	-0.02549	0.182987	-0.13929	0.889223	0.983224	ENSMUSG0 B3gat3
ENSMUSG0	14.69945	-0.07358	0.528311	-0.13928	0.889226	0.983224	ENSMUSG01700066B1
ENSMUSG0	1093.528	0.037492	0.26936	0.139188	0.889301	0.983242	ENSMUSG0 Mat2a
ENSMUSG0	335.6578	0.035871	0.258038	0.139014	0.889439	0.983242	ENSMUSG0 Mxra8
ENSMUSG0	1812.124	0.028315	0.203714	0.138994	0.889455	0.983242	ENSMUSG0 Zdhhc8
ENSMUSG0	413.5701	0.042986	0.309281	0.138988	0.88946	0.983242	ENSMUSG0 Dzip3
ENSMUSG0	91.82329	-0.03669	0.264263	-0.13882	0.889589	0.983242	ENSMUSG0 Ccdc14
ENSMUSG0	641.7501	-0.03638	0.262214	-0.13876	0.88964	0.983242	ENSMUSG0 Socs4
ENSMUSG0	575.1451	0.039177	0.282427	0.138716	0.889675	0.983242	ENSMUSG0 Hps5
ENSMUSG0	5.06945	-0.09966	0.718482	-0.13871	0.889677	0.983242	ENSMUSG0 H4c2
ENSMUSG0	4748.727	-0.01992	0.14373	-0.13861	0.88976	0.983242	ENSMUSG0 Fam120a
ENSMUSG0	130.3831	-0.04501	0.324698	-0.13861	0.88976	0.983242	ENSMUSG0 Gm50253
ENSMUSG0	1767.297	0.031311	0.225986	0.138552	0.889804	0.983242	ENSMUSG0 Tacc1
ENSMUSG0	82.27151	0.063426	0.45865	0.138288	0.890013	0.983329	ENSMUSG0 Hk2
ENSMUSG0	1549.337	-0.05557	0.402144	-0.13818	0.890095	0.983329	ENSMUSG0 Il11ra1
ENSMUSG0	637.0897	-0.02407	0.174157	-0.13818	0.890097	0.983329	ENSMUSG0 Gltf
ENSMUSG0	1126.738	-0.02565	0.185836	-0.13805	0.8902	0.983329	ENSMUSG0 Ikbkb
ENSMUSG0	1507.072	0.015774	0.114288	0.138024	0.890222	0.983329	ENSMUSG0 Dda1
ENSMUSG0	10.05135	0.144917	1.050278	0.13798	0.890256	0.983329	ENSMUSG0 Ccl7
ENSMUSG0	3.606444	-0.13475	0.977169	-0.1379	0.890322	0.983329	ENSMUSG0 Gm43466
ENSMUSG0	1234.716	0.026274	0.190717	0.137766	0.890425	0.983329	ENSMUSG0 Emc1
ENSMUSG0	3539.069	-0.04695	0.340882	-0.13773	0.890453	0.983329	ENSMUSG0 Tspyl4
ENSMUSG0	617.9737	0.034794	0.25263	0.137728	0.890455	0.983329	ENSMUSG0 Ppil4
ENSMUSG0	4.927222	0.119188	0.865712	0.137676	0.890497	0.983329	ENSMUSG0 Gm29642
ENSMUSG0	3.164057	0.164674	1.19681	0.137594	0.890561	0.983344	ENSMUSG0 Gm28651
ENSMUSG0	74.8555	0.041205	0.299817	0.137434	0.890687	0.983427	ENSMUSG04732491K2
ENSMUSG0	245.7062	0.024357	0.177365	0.137325	0.890774	0.983466	ENSMUSG0 Aifm2
ENSMUSG0	4.269083	0.114966	0.838608	0.137091	0.890959	0.983473	ENSMUSG0 Snora73b
ENSMUSG0	21.04074	-0.05975	0.435918	-0.13706	0.89098	0.983473	ENSMUSG0 Gm17530
ENSMUSG0	215.1107	0.032917	0.240198	0.137042	0.890998	0.983473	ENSMUSG0 Slc18b1
ENSMUSG0	6.936851	0.105518	0.770102	0.137018	0.891016	0.983473	ENSMUSG0 Gnrh1
ENSMUSG0	393.8785	0.024843	0.181347	0.136991	0.891038	0.983473	ENSMUSG0 F3
ENSMUSG0	12.86738	-0.06813	0.497751	-0.13687	0.891132	0.983473	ENSMUSG0 Mas1
ENSMUSG0	15.9525	-0.08558	0.62576	-0.13677	0.891216	0.983473	ENSMUSG01520401A0
ENSMUSG0	8.309469	-0.0894	0.653801	-0.13673	0.891242	0.983473	ENSMUSG0 Gm26935
ENSMUSG0	311.2295	0.033183	0.242768	0.136684	0.891281	0.983473	ENSMUSG0 Cerkl
ENSMUSG0	1957.959	0.026629	0.194914	0.136617	0.891333	0.983473	ENSMUSG0 Pak2
ENSMUSG0	1066.696	-0.03007	0.220094	-0.13661	0.891342	0.983473	ENSMUSG0 Pxx
ENSMUSG0	507.8688	-0.02473	0.181186	-0.13649	0.891435	0.983519	ENSMUSG02310022A1
ENSMUSG0	2627.209	0.029953	0.219966	0.13617	0.891687	0.98365	ENSMUSG0 Lsr
ENSMUSG0	16.46734	-0.08051	0.591225	-0.13617	0.891689	0.98365	ENSMUSG0 Gm37499
ENSMUSG0	307.4099	0.025117	0.184772	0.135936	0.891872	0.98365	ENSMUSG0 Uxs1
ENSMUSG0	5275.284	0.041506	0.305345	0.135932	0.891875	0.98365	ENSMUSG0 Rpl10a-ps1
ENSMUSG0	350.8109	-0.02097	0.154365	-0.13587	0.891923	0.98365	ENSMUSG0 Thoc6
ENSMUSG0	633.1885	-0.02018	0.148535	-0.13584	0.891949	0.98365	ENSMUSG0 Grb14
ENSMUSG0	93.73909	0.043661	0.321987	0.1356	0.892138	0.98365	ENSMUSG0 Trdmt1
ENSMUSG0	1472.689	0.017203	0.126946	0.135515	0.892204	0.98365	ENSMUSG0 Acp2
ENSMUSG0	337.985	0.031042	0.229165	0.135458	0.89225	0.98365	ENSMUSG0 Nudcd1
ENSMUSG0	3.158737	-0.1644	1.214515	-0.13536	0.892323	0.98365	ENSMUSG0 Gm45418

ENSMUSG0	682.279	0.023994	0.177295	0.135333	0.892349	0.98365	ENSMUSG0 Gdap2
ENSMUSG0	590.775	-0.03068	0.22677	-0.1353	0.892377	0.98365	ENSMUSG0 Slc4a1ap
ENSMUSG0	2696.077	0.020528	0.151825	0.135211	0.892445	0.98365	ENSMUSG0 Tmem184a
ENSMUSG0	7.814244	0.093048	0.688265	0.135193	0.89246	0.98365	ENSMUSG0 Gm38380
ENSMUSG0	1016.125	-0.02876	0.212988	-0.13505	0.89257	0.98365	ENSMUSG0 Gm42742
ENSMUSG0	52.06369	0.228979	1.696287	0.134988	0.892621	0.98365	ENSMUSG0 Sms-ps
ENSMUSG0	186.1592	0.040447	0.299689	0.134962	0.892642	0.98365	ENSMUSG0 Rbms2
ENSMUSG0	1241.148	-0.02092	0.155029	-0.13494	0.892658	0.98365	ENSMUSG0 Zfand6
ENSMUSG0	1078.327	0.023241	0.172357	0.134844	0.892735	0.98365	ENSMUSG0 Fam8a1
ENSMUSG0	428.7031	-0.03304	0.245037	-0.13482	0.892753	0.98365	ENSMUSG0 Eef1akmt2
ENSMUSG0	6.593511	-0.12897	0.956792	-0.1348	0.892773	0.98365	ENSMUSG0 Fgfbp1
ENSMUSG0	4.586688	-0.11261	0.835417	-0.1348	0.892774	0.98365	ENSMUSG0 Gm43965
ENSMUSG0	996.0064	-0.02082	0.15453	-0.13475	0.892806	0.98365	ENSMUSG0 Kdm4b
ENSMUSG0	73.72655	0.04193	0.311234	0.134723	0.892831	0.98365	ENSMUSG0 Yy2
ENSMUSG0	3.135747	0.144553	1.073245	0.134687	0.892859	0.98365	ENSMUSG0 4930568G1
ENSMUSG0	718.4945	0.038481	0.28598	0.134559	0.89296	0.983655	ENSMUSG0 Relt
ENSMUSG0	6.444589	0.190563	1.417058	0.134478	0.893024	0.983655	ENSMUSG0 Fam205a2
ENSMUSG0	865.2944	-0.03781	0.281432	-0.13436	0.893122	0.983655	ENSMUSG0 Ptch1
ENSMUSG0	362.3744	-0.02192	0.163253	-0.13427	0.89319	0.983655	ENSMUSG0 Tmem268
ENSMUSG0	915.4405	-0.03002	0.22359	-0.13424	0.893211	0.983655	ENSMUSG0 Ipo13
ENSMUSG0	950.3124	-0.02224	0.165852	-0.13411	0.893312	0.983655	ENSMUSG0 Ugp2
ENSMUSG0	45.75114	0.055771	0.415909	0.134095	0.893328	0.983655	ENSMUSG0 Meig1
ENSMUSG0	141.6027	0.05108	0.38117	0.13401	0.893395	0.983655	ENSMUSG0 Pcdhgb2
ENSMUSG0	6.667733	0.095069	0.709544	0.133986	0.893414	0.983655	ENSMUSG0 Gm7420
ENSMUSG0	342.8068	0.03408	0.25467	0.133822	0.893543	0.983655	ENSMUSG0 Lig4
ENSMUSG0	11.36535	0.132083	0.987537	0.13375	0.893601	0.983655	ENSMUSG0 Trdc
ENSMUSG0	455.5908	0.034643	0.25909	0.13371	0.893632	0.983655	ENSMUSG0 Krtcap3
ENSMUSG0	61.52836	0.055212	0.413232	0.133611	0.89371	0.983655	ENSMUSG0 Spag5
ENSMUSG0	25.80338	0.094413	0.707766	0.133395	0.893881	0.983655	ENSMUSG0 Pcdha5
ENSMUSG0	1574.059	0.024528	0.183924	0.13336	0.893909	0.983655	ENSMUSG0 Parp1
ENSMUSG0	81.40084	0.060642	0.454759	0.133349	0.893917	0.983655	ENSMUSG0 Tk1
ENSMUSG0	68.23639	0.205068	1.537875	0.133345	0.893921	0.983655	ENSMUSG0 Cxcl9
ENSMUSG0	458.6213	0.033973	0.254857	0.133304	0.893953	0.983655	ENSMUSG0 Hinfp
ENSMUSG0	112.58	0.03399	0.255017	0.133285	0.893968	0.983655	ENSMUSG0 Cep41
ENSMUSG0	20728.15	-0.03897	0.292536	-0.1332	0.894033	0.983655	ENSMUSG0 Rps4x
ENSMUSG0	788.4063	0.041218	0.309698	0.133091	0.894122	0.983655	ENSMUSG0 Pigyl
ENSMUSG0	570.6118	-0.03635	0.273387	-0.13296	0.894229	0.983655	ENSMUSG0 Med10
ENSMUSG0	51.64486	0.041166	0.309718	0.132914	0.894262	0.983655	ENSMUSG0 Zfp647
ENSMUSG0	365.4994	-0.03257	0.245143	-0.13288	0.894288	0.983655	ENSMUSG0 Nup160
ENSMUSG0	11.86657	-0.15084	1.135717	-0.13282	0.89434	0.983655	ENSMUSG0 Rmrp
ENSMUSG0	3.116287	0.166107	1.251261	0.132752	0.89439	0.983655	ENSMUSG0 Gm44270
ENSMUSG0	96.58514	0.03648	0.2748	0.13275	0.894391	0.983655	ENSMUSG0 Paqr3
ENSMUSG0	1256.28	0.031761	0.239382	0.132678	0.894448	0.983655	ENSMUSG0 Tut7
ENSMUSG0	1289.516	-0.02484	0.187478	-0.13252	0.894573	0.983655	ENSMUSG0 Metap1
ENSMUSG0	404.714	-0.02989	0.225669	-0.13247	0.894616	0.983655	ENSMUSG0 Cdk7
ENSMUSG0	2272.208	-0.01383	0.104485	-0.13236	0.894697	0.983655	ENSMUSG0 Sf3b3
ENSMUSG0	88.11909	-0.12505	0.944969	-0.13233	0.894723	0.983655	ENSMUSG0 A530040E1
ENSMUSG0	44.36494	0.058304	0.440626	0.132321	0.894731	0.983655	ENSMUSG0 Myadml2
ENSMUSG0	783.3046	-0.03282	0.248065	-0.1323	0.894746	0.983655	ENSMUSG0 Dnajc6
ENSMUSG0	642.2769	-0.03054	0.230871	-0.13229	0.894755	0.983655	ENSMUSG0 Ccnh
ENSMUSG0	4.456232	0.120597	0.911695	0.132278	0.894764	0.983655	ENSMUSG0 Gm15753
ENSMUSG0	780.9577	-0.02242	0.169539	-0.13226	0.89478	0.983655	ENSMUSG0 Prkab1

ENSMUSG0	711.9229	0.029462	0.223445	0.131852	0.895101	0.983706	ENSMUSG0 Fam110a
ENSMUSG0	3660.883	-0.02724	0.206741	-0.13177	0.895166	0.983706	ENSMUSG0 Celf3
ENSMUSG0	20.5839	-0.05332	0.404901	-0.13168	0.895235	0.983706	ENSMUSG0 Neto2
ENSMUSG0	2889.07	-0.02204	0.167391	-0.13168	0.895239	0.983706	ENSMUSG0 Tbc1d9b
ENSMUSG0	253.3906	-0.02639	0.200478	-0.13164	0.895269	0.983706	ENSMUSG0 Dleu2
ENSMUSG0	25.20099	0.085516	0.650015	0.13156	0.895332	0.983706	ENSMUSG0 Fam83b
ENSMUSG0	649.4299	-0.02513	0.19109	-0.13153	0.895355	0.983706	ENSMUSG0 Pdc13
ENSMUSG0	5.381247	-0.1039	0.790885	-0.13137	0.895485	0.983706	ENSMUSG0 Nccrp1
ENSMUSG0	11.50677	0.107167	0.815992	0.131334	0.895511	0.983706	ENSMUSG0 Spag4
ENSMUSG0	163.9172	-0.05634	0.429145	-0.1313	0.895542	0.983706	ENSMUSG0 Gm6158
ENSMUSG0	285.6227	0.030491	0.232258	0.131282	0.895552	0.983706	ENSMUSG0 Ss1811
ENSMUSG0	1539.345	0.024398	0.18601	0.131166	0.895644	0.983706	ENSMUSG0 Zhx1
ENSMUSG0	874.0461	-0.01558	0.118759	-0.13115	0.895657	0.983706	ENSMUSG0 Usp38
ENSMUSG0	1844.287	-0.03002	0.228987	-0.13108	0.895714	0.983706	ENSMUSG0 Pip5k1c
ENSMUSG0	1073.372	-0.0395	0.30167	-0.13093	0.895827	0.983706	ENSMUSG0 Sarnp
ENSMUSG0	5.485884	0.134182	1.025102	0.130897	0.895857	0.983706	ENSMUSG0 Gm28729
ENSMUSG0	135.8638	-0.03428	0.262002	-0.13084	0.895906	0.983706	ENSMUSG0 Tmem71
ENSMUSG0	9.678922	-0.10445	0.798343	-0.13083	0.895908	0.983706	ENSMUSG0B130021K2
ENSMUSG0	1145.894	-0.02302	0.17615	-0.1307	0.896009	0.983706	ENSMUSG0 Pias1
ENSMUSG0	1203.072	0.024789	0.189734	0.130649	0.896053	0.983706	ENSMUSG0 Mfap1b
ENSMUSG0	407.3043	0.034498	0.264207	0.130573	0.896113	0.983706	ENSMUSG0 Pacrg
ENSMUSG0	381.8781	0.065982	0.505352	0.130567	0.896118	0.983706	ENSMUSG0 Ehbp111
ENSMUSG0	4357.195	0.023524	0.180213	0.130534	0.896144	0.983706	ENSMUSG0 Pafah1b1
ENSMUSG0	631.1452	-0.0247	0.189281	-0.13051	0.896164	0.983706	ENSMUSG0 Krba1
ENSMUSG0	618.6912	0.033693	0.25822	0.13048	0.896187	0.983706	ENSMUSG0 Ttf1
ENSMUSG0	239.5902	0.050634	0.388146	0.13045	0.89621	0.983706	ENSMUSG0 Trim12a
ENSMUSG0	5.372197	0.130849	1.00381	0.130353	0.896287	0.983706	ENSMUSG0C6720464F2
ENSMUSG0	13.90151	-0.06184	0.474416	-0.13035	0.896288	0.983706	ENSMUSG01600023N1
ENSMUSG0	373.2306	-0.06808	0.522843	-0.1302	0.896405	0.983706	ENSMUSG0 Mkks
ENSMUSG0	32.2262	0.076963	0.591732	0.130064	0.896515	0.983706	ENSMUSG0 Cyp26b1
ENSMUSG0	53.69729	0.062312	0.479138	0.130051	0.896526	0.983706	ENSMUSG0 Kcnab1
ENSMUSG0	7038.977	0.023348	0.179539	0.130046	0.89653	0.983706	ENSMUSG0 Srsf5
ENSMUSG0	14789.58	-0.04038	0.310649	-0.12999	0.896574	0.983706	ENSMUSG0 Sez6l2
ENSMUSG0	1021.528	0.042877	0.330182	0.129858	0.896679	0.983706	ENSMUSG0 Kdm6a
ENSMUSG0	27.18339	-0.05629	0.433758	-0.12978	0.896742	0.983706	ENSMUSG0 Crispld1
ENSMUSG0	2586.305	-0.03824	0.294719	-0.12975	0.896763	0.983706	ENSMUSG0 Lrrc58
ENSMUSG0	3.843777	0.175462	1.352823	0.129701	0.896803	0.983706	ENSMUSG0Smarca5-ps
ENSMUSG0	967.914	-0.01836	0.141632	-0.12966	0.896837	0.983706	ENSMUSG0 Patz1
ENSMUSG0	239.2419	-0.02414	0.186257	-0.12961	0.896871	0.983706	ENSMUSG0 Ubox5
ENSMUSG0	1532.258	-0.01612	0.124503	-0.12951	0.896952	0.983706	ENSMUSG0 Colgalt1
ENSMUSG0	462.7792	0.040536	0.313046	0.129488	0.896972	0.983706	ENSMUSG0 Bsn
ENSMUSG0	165.5085	0.061303	0.473621	0.129435	0.897013	0.983706	ENSMUSG0 Fcrl1
ENSMUSG0	7.42568	0.103491	0.799766	0.129402	0.89704	0.983706	ENSMUSG0 Cyp1a1
ENSMUSG0	81.85481	0.040237	0.311063	0.129354	0.897077	0.983706	ENSMUSG0 Ccdc103
ENSMUSG0	4.985818	0.116114	0.898222	0.129271	0.897143	0.983708	ENSMUSG04930599N2
ENSMUSG0	17.32284	-0.05763	0.446249	-0.12915	0.897241	0.983708	ENSMUSG0 Cfap77
ENSMUSG0	57.89529	0.042012	0.325394	0.129111	0.89727	0.983708	ENSMUSG0 Zfp607b
ENSMUSG0	44.01097	0.078707	0.609934	0.129041	0.897325	0.983708	ENSMUSG0 Gabrg3
ENSMUSG0	204.355	-0.02637	0.204418	-0.12901	0.897347	0.983708	ENSMUSG0 Dph2
ENSMUSG0	3.293167	-0.12626	0.978997	-0.12896	0.897386	0.983708	ENSMUSG0 Ube2u
ENSMUSG0	1051.677	-0.0265	0.205778	-0.12879	0.897526	0.983775	ENSMUSG0 Dlat
ENSMUSG0	1334.524	-0.02633	0.204516	-0.12874	0.897567	0.983775	ENSMUSG0 Rxra

ENSMUSG0	21.15119	-0.07611	0.591788	-0.12862	0.897661	0.983775	ENSMUSG0	Klr1b1b
ENSMUSG0	4.436279	0.11574	0.901328	0.128411	0.897824	0.983775	ENSMUSG0	Gm6981
ENSMUSG0	14.45931	-0.0537	0.418568	-0.12829	0.897917	0.983775	ENSMUSG0	Gm3248
ENSMUSG0	1577.039	0.020517	0.159944	0.128275	0.897931	0.983775	ENSMUSG0	Wdtdc1
ENSMUSG0	2788.452	-0.02904	0.226582	-0.12817	0.898017	0.983775	ENSMUSG0	Edf1
ENSMUSG0	32631.59	-0.04208	0.32844	-0.12812	0.898057	0.983775	ENSMUSG0	Rpl41
ENSMUSG0	1173.792	0.025727	0.200882	0.128068	0.898095	0.983775	ENSMUSG0	Tpcn1
ENSMUSG0	2829.436	0.026319	0.205564	0.128031	0.898125	0.983775	ENSMUSG0	Gnl1
ENSMUSG0	962.0514	0.030743	0.240295	0.12794	0.898197	0.983775	ENSMUSG0	Phkb
ENSMUSG0	19.82326	0.047454	0.37129	0.12781	0.8983	0.983775	ENSMUSG0	Gm47920
ENSMUSG0	1916.555	0.029427	0.230242	0.127808	0.898301	0.983775	ENSMUSG0	Ccn11
ENSMUSG0	101.7506	0.029278	0.229118	0.127784	0.89832	0.983775	ENSMUSG0	Mis18a
ENSMUSG0	1193.934	-0.02146	0.168102	-0.12768	0.898403	0.983775	ENSMUSG0	Aggf1
ENSMUSG0	94.31962	-0.06823	0.534395	-0.12767	0.89841	0.983775	ENSMUSG0	Fam107a
ENSMUSG0	3152.781	-0.03642	0.285365	-0.12761	0.898454	0.983775	ENSMUSG0	Thrap3
ENSMUSG0	104.1926	0.063656	0.499778	0.127369	0.898648	0.983775	ENSMUSG0	Rgs14
ENSMUSG0	214.5293	0.03798	0.298351	0.127299	0.898704	0.983775	ENSMUSG0	1110002L0
ENSMUSG0	356.5183	0.032067	0.252183	0.127157	0.898816	0.983775	ENSMUSG0	Rrp1b
ENSMUSG0	167.5733	-0.03843	0.302561	-0.12702	0.898924	0.983775	ENSMUSG0	Trex1
ENSMUSG0	2646.428	0.033026	0.260065	0.126992	0.898947	0.983775	ENSMUSG0	Esd
ENSMUSG0	24.91361	0.067326	0.53041	0.126932	0.898994	0.983775	ENSMUSG0	CA030005L1
ENSMUSG0	5.200598	0.113337	0.892949	0.126924	0.899001	0.983775	ENSMUSG0	Fam229a
ENSMUSG0	159.8565	0.041732	0.329121	0.126799	0.8991	0.983775	ENSMUSG0	Cdc42ep5
ENSMUSG0	2225.521	-0.03077	0.242789	-0.12674	0.899148	0.983775	ENSMUSG0	Herc1
ENSMUSG0	1267.468	-0.03851	0.303948	-0.12669	0.899185	0.983775	ENSMUSG0	Eloc
ENSMUSG0	1540.164	0.025545	0.201775	0.126602	0.899255	0.983775	ENSMUSG0	Gapvd1
ENSMUSG0	2687.924	0.018782	0.148463	0.126508	0.89933	0.983775	ENSMUSG0	Srrt
ENSMUSG0	357.3667	0.028554	0.225778	0.126468	0.899362	0.983775	ENSMUSG0	Ppt2
ENSMUSG0	773.4492	0.017556	0.138945	0.126353	0.899452	0.983775	ENSMUSG0	Prune1
ENSMUSG0	772.1506	-0.02054	0.162591	-0.12633	0.899473	0.983775	ENSMUSG0	Pnkd
ENSMUSG0	55.15753	0.057193	0.452764	0.126321	0.899478	0.983775	ENSMUSG0	Gm379
ENSMUSG0	11.86373	0.129165	1.022595	0.126311	0.899485	0.983775	ENSMUSG0	Acaa1b
ENSMUSG0	4.562364	0.099008	0.783898	0.126302	0.899493	0.983775	ENSMUSG0	Gm47594
ENSMUSG0	651.6221	0.024504	0.194152	0.126212	0.899564	0.983775	ENSMUSG0	Slc36a4
ENSMUSG0	564.3481	-0.0258	0.204474	-0.12618	0.899592	0.983775	ENSMUSG0	Bud23
ENSMUSG0	194.3298	0.026845	0.212853	0.126119	0.899638	0.983775	ENSMUSG0	Mad2l1bp
ENSMUSG0	1026.533	0.028952	0.22986	0.125953	0.899769	0.983775	ENSMUSG0	Haghl
ENSMUSG0	5.88099	0.088083	0.699471	0.125929	0.899788	0.983775	ENSMUSG0	Gm19345
ENSMUSG0	2369.326	-0.0246	0.195428	-0.12588	0.89983	0.983775	ENSMUSG0	Ndst1
ENSMUSG0	388.7306	-0.03312	0.263172	-0.12584	0.899858	0.983775	ENSMUSG0	1700123O2
ENSMUSG0	92.7844	-0.04322	0.343655	-0.12577	0.899914	0.983775	ENSMUSG0	Gk5
ENSMUSG0	2120.414	0.016967	0.13491	0.125764	0.899918	0.983775	ENSMUSG0	Septin2
ENSMUSG0	52.80091	0.058329	0.463962	0.125719	0.899955	0.983775	ENSMUSG0	Pla1a
ENSMUSG0	1156.492	-0.02994	0.238204	-0.1257	0.899972	0.983775	ENSMUSG0	Arl3
ENSMUSG0	1269.449	-0.04349	0.346066	-0.12568	0.899983	0.983775	ENSMUSG0	Dnajc13
ENSMUSG0	437.2213	0.033403	0.265978	0.125585	0.90006	0.983775	ENSMUSG0	Bak1
ENSMUSG0	596.8148	0.016818	0.134105	0.125408	0.9002	0.983775	ENSMUSG0	Mrps5
ENSMUSG0	1099.58	-0.0231	0.184296	-0.12534	0.900253	0.983775	ENSMUSG0	Brf1
ENSMUSG0	2.945356	0.135254	1.079642	0.125277	0.900305	0.983775	ENSMUSG0	Gm47611
ENSMUSG0	610.798	-0.03105	0.247879	-0.12527	0.900307	0.983775	ENSMUSG0	Slc4a8
ENSMUSG0	2147.844	0.029341	0.234368	0.125191	0.900372	0.983775	ENSMUSG0	Pnlsr
ENSMUSG0	401.1726	0.029576	0.236286	0.125169	0.90039	0.983775	ENSMUSG0	Tfpt

ENSMUSG0	11205.72	0.027336	0.21843	0.12515	0.900405	0.983775	ENSMUSG0 Ywhae
ENSMUSG0	8774.502	0.024933	0.199228	0.12515	0.900405	0.983775	ENSMUSG0 Sf3b2
ENSMUSG0	176.6312	-0.03086	0.246645	-0.12512	0.900429	0.983775	ENSMUSG0 Mad2l1
ENSMUSG0	373.7334	-0.03851	0.308115	-0.12499	0.90053	0.983775	ENSMUSG0 Fsd1l
ENSMUSG0	186.4309	0.032289	0.258463	0.124929	0.90058	0.983775	ENSMUSG0 Brdt
ENSMUSG0	744.2874	0.024632	0.197199	0.124911	0.900594	0.983775	ENSMUSG0 Top3b
ENSMUSG0	4.602374	0.100961	0.808343	0.124899	0.900604	0.983775	ENSMUSG0 Gm7265
ENSMUSG0	12.75452	-0.07785	0.623421	-0.12488	0.900618	0.983775	ENSMUSG0 Gm50039
ENSMUSG0	480.4659	0.02422	0.194171	0.124737	0.900732	0.983844	ENSMUSG0 Tox
ENSMUSG0	622.4817	0.027439	0.220295	0.124556	0.900875	0.983937	ENSMUSG0 Nadk2
ENSMUSG0	34.0968	-0.04721	0.379222	-0.1245	0.900919	0.983937	ENSMUSG05033421B0
ENSMUSG0	749.1272	0.023213	0.186661	0.124357	0.901033	0.983952	ENSMUSG0 Pptc7
ENSMUSG0	290.1862	-0.03284	0.264145	-0.12432	0.901061	0.983952	ENSMUSG0 Ankrd26
ENSMUSG0	1792.189	-0.0301	0.242238	-0.12426	0.901106	0.983952	ENSMUSG0 Snu13
ENSMUSG0	471.0112	-0.03483	0.280413	-0.12419	0.901161	0.983952	ENSMUSG0 Pold1
ENSMUSG0	22.32708	0.073501	0.592524	0.124047	0.901278	0.983952	ENSMUSG0 Mlf1
ENSMUSG0	64.72682	0.040207	0.324136	0.124045	0.90128	0.983952	ENSMUSG0 Fam83f
ENSMUSG0	123.116	-0.02269	0.183121	-0.1239	0.901393	0.983952	ENSMUSG0 Ercc8
ENSMUSG0	16.65878	0.047793	0.386009	0.123812	0.901464	0.983952	ENSMUSG0 Gm15743
ENSMUSG0	76.78351	0.056151	0.453722	0.123755	0.901509	0.983952	ENSMUSG0 Gna14
ENSMUSG0	3.828162	0.174026	1.406646	0.123717	0.90154	0.983952	ENSMUSG0 Gm37334
ENSMUSG0	23.85466	-0.04467	0.361352	-0.12363	0.901611	0.983952	ENSMUSG0 Zbp
ENSMUSG0	11.81623	0.065865	0.532835	0.123612	0.901623	0.983952	ENSMUSG08430406P1
ENSMUSG0	1455.743	-0.02216	0.179372	-0.12354	0.901676	0.983952	ENSMUSG0 Ankrd13a
ENSMUSG0	3.651712	-0.13982	1.132237	-0.12349	0.901721	0.983952	ENSMUSG0 Gm12592
ENSMUSG0	768.5083	0.023829	0.193088	0.123412	0.901781	0.983952	ENSMUSG0 Orc3
ENSMUSG0	9.813844	-0.06933	0.561937	-0.12337	0.901811	0.983952	ENSMUSG0B230334C0
ENSMUSG0	4.063838	0.119059	0.966146	0.123231	0.901924	0.983952	ENSMUSG0 Gm48961
ENSMUSG0	931.4368	0.029452	0.239052	0.123204	0.901946	0.983952	ENSMUSG0 Camsap1
ENSMUSG0	724.417	-0.02455	0.199378	-0.12312	0.902009	0.983952	ENSMUSG0 Sap30bp
ENSMUSG0	587.0258	-0.03957	0.322188	-0.12283	0.902241	0.983952	ENSMUSG0 Ilvbl
ENSMUSG0	2837.355	-0.01732	0.141042	-0.12283	0.902241	0.983952	ENSMUSG0 Smpd1
ENSMUSG0	23.27093	-0.04486	0.36532	-0.12281	0.902259	0.983952	ENSMUSG0 Ccdc89
ENSMUSG0	10.74876	-0.08337	0.678859	-0.1228	0.902263	0.983952	ENSMUSG0 Gm45846
ENSMUSG0	500.3635	0.029824	0.242887	0.122788	0.902275	0.983952	ENSMUSG0 Mrpl18
ENSMUSG0	470.9226	0.017856	0.145494	0.122727	0.902323	0.983952	ENSMUSG0 Ttl12
ENSMUSG0	1257.531	0.023142	0.18869	0.122647	0.902387	0.983952	ENSMUSG0 Phf23
ENSMUSG0	4.456674	-0.11873	0.968519	-0.12259	0.902432	0.983952	ENSMUSG0 Gm14122
ENSMUSG0	7.057044	0.102117	0.83327	0.12255	0.902464	0.983952	ENSMUSG0 Gm37289
ENSMUSG0	3.784006	-0.12673	1.03609	-0.12232	0.902645	0.983952	ENSMUSG0 Gm45795
ENSMUSG0	23.22561	-0.05392	0.441017	-0.12225	0.902698	0.983952	ENSMUSG0 Vwa3b
ENSMUSG0	707.7295	-0.02302	0.188268	-0.12225	0.902703	0.983952	ENSMUSG0 Isy1
ENSMUSG0	673.1357	0.020197	0.165298	0.122184	0.902754	0.983952	ENSMUSG0 Ints10
ENSMUSG0	8.67604	0.076522	0.626553	0.122132	0.902794	0.983952	ENSMUSG0 Ascl4
ENSMUSG0	18.08769	0.049982	0.409927	0.121928	0.902956	0.983952	ENSMUSG0B930036N1
ENSMUSG0	211.8506	-0.01905	0.156274	-0.12191	0.902967	0.983952	ENSMUSG0 Srrd
ENSMUSG0	83.90682	0.044937	0.368686	0.121884	0.902991	0.983952	ENSMUSG0 Rpp40
ENSMUSG0	1331.287	0.043823	0.359588	0.121872	0.903001	0.983952	ENSMUSG0 Spen
ENSMUSG0	1183.534	0.020664	0.169613	0.121829	0.903035	0.983952	ENSMUSG0 Ddx56
ENSMUSG0	3.307166	-0.12172	0.999839	-0.12174	0.903109	0.983952	ENSMUSG0 Papolb
ENSMUSG0	102.2264	0.063538	0.522406	0.121625	0.903196	0.983952	ENSMUSG0 Matn4
ENSMUSG0	57.23938	-0.04708	0.388045	-0.12132	0.90344	0.983952	ENSMUSG0 Zfp971

ENSMUSG0	643.3314	0.01842	0.151877	0.121284	0.903466	0.983952	ENSMUSG0 Mtmr9
ENSMUSG0	5.121445	0.094269	0.7776	0.12123	0.903509	0.983952	ENSMUSG0 Gm43935
ENSMUSG0	134.6146	0.037326	0.307904	0.121225	0.903513	0.983952	ENSMUSG0 Tbx2a2r
ENSMUSG0	1019.489	-0.02774	0.229004	-0.12115	0.903573	0.983952	ENSMUSG0 Hmgcl
ENSMUSG0	44.87469	0.046328	0.382464	0.12113	0.903588	0.983952	ENSMUSG01700010114
ENSMUSG0	12.49977	0.119781	0.989529	0.121049	0.903652	0.983952	ENSMUSG0 Ifit1bl2
ENSMUSG0	1096.224	0.022908	0.18936	0.120977	0.903709	0.983952	ENSMUSG0 Pds5b
ENSMUSG0	3176.336	-0.02629	0.217468	-0.1209	0.903772	0.983952	ENSMUSG0 Eif3k
ENSMUSG0	1433.909	-0.03395	0.280968	-0.12084	0.903817	0.983952	ENSMUSG0 Setd7
ENSMUSG0	101.5706	0.026263	0.217382	0.120817	0.903836	0.983952	ENSMUSG0 Sugct
ENSMUSG0	10.87932	0.10107	0.837362	0.1207	0.903928	0.983952	ENSMUSG0 Gm42572
ENSMUSG0	523.4482	0.02042	0.169322	0.120599	0.904009	0.983952	ENSMUSG0 Tbc1d10a
ENSMUSG0	30578.34	-0.03043	0.252304	-0.12059	0.904015	0.983952	ENSMUSG0 Rpsa
ENSMUSG0	338.1992	-0.02358	0.195629	-0.12053	0.904063	0.983952	ENSMUSG0 Cmtr2
ENSMUSG0	17.27835	-0.07486	0.621684	-0.12042	0.904154	0.983952	ENSMUSG0 Gm47087
ENSMUSG0	10.53394	-0.07691	0.639472	-0.12027	0.904271	0.983952	ENSMUSG0 Gm6723
ENSMUSG0	1333.013	0.023176	0.192748	0.12024	0.904293	0.983952	ENSMUSG0 Clasp2
ENSMUSG0	1159.146	0.023913	0.198905	0.120224	0.904305	0.983952	ENSMUSG0 Pla2g15
ENSMUSG0	1987.772	0.017131	0.142625	0.120114	0.904393	0.983952	ENSMUSG0 Pcnp
ENSMUSG0	169.7664	-0.02374	0.197815	-0.12002	0.904465	0.983952	ENSMUSG0 Rel12
ENSMUSG0	7.099302	0.094087	0.784194	0.119979	0.9045	0.983952	ENSMUSG0 Orc1
ENSMUSG0	676.7611	-0.03197	0.266698	-0.11989	0.904569	0.983952	ENSMUSG0 Tbcc
ENSMUSG0	632.8935	-0.01978	0.16504	-0.11985	0.904599	0.983952	ENSMUSG0 Xpc
ENSMUSG0	11.52646	0.059675	0.498363	0.119743	0.904687	0.983952	ENSMUSG0 Fgb
ENSMUSG0	3.082698	-0.12466	1.04178	-0.11967	0.904748	0.983952	ENSMUSG08030445P1
ENSMUSG0	152.1202	0.062835	0.525381	0.119599	0.904801	0.983952	ENSMUSG0 H2-Eb2
ENSMUSG0	2394.124	-0.02595	0.217065	-0.11955	0.904839	0.983952	ENSMUSG0 Ubxn1
ENSMUSG0	7.520838	-0.12139	1.015392	-0.11955	0.90484	0.983952	ENSMUSG0 Klr13-ps
ENSMUSG0	198.7558	0.023681	0.198094	0.119543	0.904845	0.983952	ENSMUSG0 Pdss2
ENSMUSG0	40.40544	-0.06183	0.517256	-0.11954	0.904849	0.983952	ENSMUSG0 Cd33
ENSMUSG0	4.01818	0.117179	0.98052	0.119507	0.904874	0.983952	ENSMUSG01700084C0
ENSMUSG0	477.1956	-0.03781	0.316597	-0.11943	0.904932	0.983952	ENSMUSG0 Siva1
ENSMUSG0	311.4984	0.027032	0.226339	0.11943	0.904935	0.983952	ENSMUSG0 Arrdc2
ENSMUSG0	331.8492	0.020102	0.168366	0.119393	0.904964	0.983952	ENSMUSG0 Strada
ENSMUSG0	999.3812	-0.02092	0.175284	-0.11936	0.904992	0.983952	ENSMUSG0 Pan3
ENSMUSG0	880.9995	-0.03461	0.2903	-0.11921	0.905111	0.983952	ENSMUSG0 Xiap
ENSMUSG0	48.14889	-0.19411	1.629242	-0.11914	0.905163	0.983952	ENSMUSG0 Gm49320
ENSMUSG0	57.37919	0.030584	0.256735	0.119127	0.905174	0.983952	ENSMUSG0 Zfp128
ENSMUSG0	632.032	-0.01933	0.162432	-0.11902	0.905259	0.983952	ENSMUSG0 Kihl12
ENSMUSG0	6.727195	0.069427	0.583948	0.118893	0.90536	0.983952	ENSMUSG0 Il1bos
ENSMUSG0	2124.079	0.021758	0.183129	0.118811	0.905425	0.983952	ENSMUSG0 Lonp2
ENSMUSG0	18.57471	-0.08423	0.709684	-0.11868	0.905527	0.983952	ENSMUSG0 Serpinc1
ENSMUSG0	91.48102	0.041297	0.348056	0.11865	0.905552	0.983952	ENSMUSG0 Zfp951
ENSMUSG0	4.961743	0.10953	0.923934	0.118548	0.905634	0.983952	ENSMUSG06030460B2
ENSMUSG0	742005.7	-0.03207	0.270639	-0.1185	0.905671	0.983952	ENSMUSG0 Chga
ENSMUSG0	275.4476	-0.02848	0.240566	-0.11839	0.905757	0.983952	ENSMUSG0 Tacc3
ENSMUSG0	457.9226	-0.0394	0.333344	-0.1182	0.905912	0.983952	ENSMUSG0 Fam162a
ENSMUSG0	7.498485	-0.07944	0.672441	-0.11814	0.905957	0.983952	ENSMUSG0 Gm35215
ENSMUSG0	8.108672	0.111547	0.944672	0.11808	0.906004	0.983952	ENSMUSG0 Ltb4r1
ENSMUSG0	728.6255	-0.01715	0.145308	-0.11802	0.906052	0.983952	ENSMUSG0 Zhx2
ENSMUSG0	35.84634	-0.07286	0.617641	-0.11797	0.906094	0.983952	ENSMUSG09630013D2
ENSMUSG0	270.8544	-0.01782	0.151132	-0.11794	0.906112	0.983952	ENSMUSG0 Med4

ENSMUSG0	168.3005	-0.04089	0.346935	-0.11787	0.906171	0.983952	ENSMUSG0 Gng11
ENSMUSG0	154.4343	0.036745	0.311802	0.117846	0.90619	0.983952	ENSMUSG0 Gm4924
ENSMUSG0	1109.04	-0.0321	0.272779	-0.11767	0.906326	0.983952	ENSMUSG0 Nsd2
ENSMUSG0	226.0202	-0.06668	0.566981	-0.1176	0.906384	0.983952	ENSMUSG0 Gmfg
ENSMUSG0	2460.59	-0.02092	0.178063	-0.11749	0.906472	0.983952	ENSMUSG0 Mgat1
ENSMUSG0	1141.148	0.017194	0.146385	0.117458	0.906497	0.983952	ENSMUSG0 Sesn1
ENSMUSG0	1128.32	-0.02377	0.202433	-0.11743	0.906523	0.983952	ENSMUSG0 Creld1
ENSMUSG0	211.1619	-0.02576	0.219377	-0.1174	0.906542	0.983952	ENSMUSG0 Rbl1
ENSMUSG0	204.6195	-0.02518	0.214521	-0.1174	0.906546	0.983952	ENSMUSG0 Echdc3
ENSMUSG0	97.73398	0.040156	0.342108	0.117378	0.90656	0.983952	ENSMUSG0 Hhat
ENSMUSG0	615.0539	0.042632	0.363395	0.117315	0.90661	0.983952	ENSMUSG0 Ccdc167
ENSMUSG0	411.1698	0.015873	0.135428	0.117208	0.906695	0.983952	ENSMUSG0 Ess2
ENSMUSG0	224.1624	0.027156	0.231701	0.117203	0.906699	0.983952	ENSMUSG0 Fam189a2
ENSMUSG0	555.8849	-0.03128	0.26699	-0.11716	0.906736	0.983952	ENSMUSG0 Sde2
ENSMUSG0	68.26089	0.038846	0.331634	0.117134	0.906754	0.983952	ENSMUSG0 Stk32b
ENSMUSG0	2831.982	-0.01684	0.143801	-0.11713	0.906761	0.983952	ENSMUSG0 Rnf14
ENSMUSG0	2741.617	0.027353	0.233661	0.117062	0.906811	0.983952	ENSMUSG0 Rogdi
ENSMUSG0	1453.739	0.024514	0.209462	0.117034	0.906833	0.983952	ENSMUSG0 Msl2
ENSMUSG0	55.86235	-0.03264	0.27914	-0.11694	0.90691	0.983952	ENSMUSG0 Nhs
ENSMUSG0	206.6068	-0.03316	0.283753	-0.11686	0.906974	0.983952	ENSMUSG0 Kank3
ENSMUSG0	10.49302	-0.09054	0.774887	-0.11685	0.90698	0.983952	ENSMUSG0 Kctd16
ENSMUSG0	924.2874	0.032376	0.277317	0.116746	0.907061	0.983952	ENSMUSG0 Zmym5
ENSMUSG0	731.1511	0.014061	0.120442	0.116742	0.907064	0.983952	ENSMUSG0 Ruvbl2
ENSMUSG0	4559.356	0.021207	0.181665	0.116737	0.907069	0.983952	ENSMUSG0 Srp54a
ENSMUSG0	19.11521	0.110195	0.944415	0.116681	0.907113	0.983952	ENSMUSG0 Adgre4
ENSMUSG0	55.60942	-0.05922	0.508335	-0.11649	0.907264	0.983952	ENSMUSG0 Cd300a
ENSMUSG0	28.9252	-0.0355	0.304728	-0.11649	0.907265	0.983952	ENSMUSG0 Gm43667
ENSMUSG0	238.1166	0.030323	0.260351	0.116468	0.907281	0.983952	ENSMUSG0 Avpi1
ENSMUSG0	4818.678	-0.02704	0.232468	-0.11632	0.907401	0.983952	ENSMUSG0 Nucb2
ENSMUSG0	630.7201	-0.03208	0.27598	-0.11624	0.907459	0.983952	ENSMUSG0 Idnk
ENSMUSG0	572.1184	0.039517	0.340019	0.11622	0.907478	0.983952	ENSMUSG0 Cep131
ENSMUSG0	12.97903	-0.06779	0.58356	-0.11617	0.90752	0.983952	ENSMUSG0 Gm42919
ENSMUSG0	310.3363	0.021793	0.187889	0.115987	0.907663	0.983952	ENSMUSG0 Sufu
ENSMUSG0	833.7213	0.02867	0.247187	0.115985	0.907665	0.983952	ENSMUSG0 Smurf2
ENSMUSG0	3.249333	0.137621	1.187556	0.115886	0.907743	0.983952	ENSMUSG0 Gm37900
ENSMUSG0	1097.056	0.034051	0.293948	0.115841	0.907779	0.983952	ENSMUSG0 Fcho2
ENSMUSG0	450.5793	0.025112	0.216829	0.115812	0.907801	0.983952	ENSMUSG0 Gemin5
ENSMUSG0	2855.549	0.034469	0.297683	0.11579	0.907819	0.983952	ENSMUSG0 Ap2s1
ENSMUSG0	4.16311	-0.11535	0.997874	-0.11559	0.907975	0.983952	ENSMUSG0 Gm50481
ENSMUSG0	1767.171	0.019069	0.16518	0.115443	0.908094	0.983952	ENSMUSG0 Fam32a
ENSMUSG0	3.141895	-0.17304	1.500791	-0.1153	0.908206	0.983952	ENSMUSG0 Snord17
ENSMUSG0	1218.774	-0.0143	0.124054	-0.11526	0.908239	0.983952	ENSMUSG0 Zdhhc1
ENSMUSG0	14.10539	0.098932	0.858663	0.115216	0.908274	0.983952	ENSMUSG0 Snhg9
ENSMUSG0	57.04089	-0.02989	0.259491	-0.1152	0.908289	0.983952	ENSMUSG0 2610037D0
ENSMUSG0	1199.058	-0.02201	0.191055	-0.11518	0.908302	0.983952	ENSMUSG0 Cers5
ENSMUSG0	1822.759	-0.02811	0.244063	-0.11517	0.908307	0.983952	ENSMUSG0 Ipo7
ENSMUSG0	2053.252	-0.01222	0.106169	-0.11508	0.908382	0.983952	ENSMUSG0 Rab21
ENSMUSG0	357.4565	0.051329	0.446051	0.115075	0.908386	0.983952	ENSMUSG0 Zfp729a
ENSMUSG0	6.836332	-0.06895	0.599665	-0.11498	0.908463	0.983952	ENSMUSG0 Fam71f2
ENSMUSG0	583.7532	0.017325	0.150763	0.114913	0.908514	0.983952	ENSMUSG0 Mettl3
ENSMUSG0	1582.303	0.025604	0.222894	0.114871	0.908548	0.983952	ENSMUSG0 Ell2
ENSMUSG0	315.5451	-0.02388	0.207983	-0.11484	0.908576	0.983952	ENSMUSG0 Tfcp2

ENSMUSG0	5.002286	0.110149	0.959321	0.11482	0.908588	0.983952	ENSMUSG0 Gm47826
ENSMUSG0	6.112388	-0.08724	0.760536	-0.1147	0.90868	0.983952	ENSMUSG0 Gm3362
ENSMUSG0	9.441985	-0.07177	0.625688	-0.1147	0.90868	0.983952	ENSMUSG0 1700008OC
ENSMUSG0	5.490941	-0.07912	0.689807	-0.1147	0.908682	0.983952	ENSMUSG0 Gm42966
ENSMUSG0	1637.765	0.017062	0.148861	0.114614	0.908751	0.983952	ENSMUSG0 Stat5b
ENSMUSG0	26.53203	0.042535	0.371136	0.114609	0.908755	0.983952	ENSMUSG0 Lrrc6
ENSMUSG0	502.8014	-0.02862	0.249775	-0.11458	0.908779	0.983952	ENSMUSG0 Snrpd1
ENSMUSG0	657.465	-0.03627	0.316668	-0.11454	0.908811	0.983952	ENSMUSG0 Psmg1
ENSMUSG0	14.56888	0.090129	0.787582	0.114438	0.908891	0.983984	ENSMUSG0 Igkv3-4
ENSMUSG0	104.4507	-0.03211	0.280911	-0.11432	0.908981	0.984026	ENSMUSG0 Arhgap10
ENSMUSG0	64.5159	0.048631	0.425942	0.114173	0.909101	0.984051	ENSMUSG0 Oas1g
ENSMUSG0	733.8041	0.019812	0.173637	0.1141	0.909158	0.984051	ENSMUSG0 Rps6ka4
ENSMUSG0	215.2919	0.03225	0.282724	0.114068	0.909184	0.984051	ENSMUSG0 Orai1
ENSMUSG0	336.903	-0.02894	0.25412	-0.1139	0.909316	0.984051	ENSMUSG0 Cd274
ENSMUSG0	224.2402	0.024573	0.215769	0.113887	0.909327	0.984051	ENSMUSG0 Cry1
ENSMUSG0	6.615426	0.064812	0.569568	0.113792	0.909403	0.984051	ENSMUSG0 4833422C1
ENSMUSG0	449.6079	0.023974	0.210896	0.113677	0.909494	0.984051	ENSMUSG0 Ehd3
ENSMUSG0	213.2679	-0.03801	0.334463	-0.11364	0.909523	0.984051	ENSMUSG0 Gm1673
ENSMUSG0	3393.559	-0.03679	0.324089	-0.11353	0.909614	0.984051	ENSMUSG0 Tomm6
ENSMUSG0	235.0456	0.033304	0.293583	0.113441	0.909681	0.984051	ENSMUSG0 Ggct
ENSMUSG0	9.914663	-0.07929	0.698953	-0.11344	0.909684	0.984051	ENSMUSG0 Gm50230
ENSMUSG0	12.04706	0.082653	0.728927	0.11339	0.909721	0.984051	ENSMUSG0 Plb1
ENSMUSG0	31.13102	0.048985	0.432074	0.113371	0.909736	0.984051	ENSMUSG0 Abhd1
ENSMUSG0	28.96716	0.052596	0.46449	0.113233	0.909846	0.984051	ENSMUSG0 Gm49204
ENSMUSG0	1596.353	0.02696	0.238201	0.113183	0.909886	0.984051	ENSMUSG0 Fnta
ENSMUSG0	429.6602	-0.01572	0.138907	-0.11317	0.909895	0.984051	ENSMUSG0 Zup1
ENSMUSG0	160.8184	-0.03495	0.308974	-0.11312	0.909937	0.984051	ENSMUSG0 Zfp948
ENSMUSG0	20.70494	-0.07011	0.619844	-0.11311	0.909943	0.984051	ENSMUSG0 Rps13-ps4
ENSMUSG0	135.5401	0.02463	0.217828	0.113069	0.909976	0.984051	ENSMUSG0 Trmt44
ENSMUSG0	1839.868	0.026601	0.235902	0.112761	0.91022	0.984141	ENSMUSG0 Casc4
ENSMUSG0	127.3777	-0.10469	0.929053	-0.11268	0.910285	0.984141	ENSMUSG0 Ugt1a7c
ENSMUSG0	10.10892	0.058228	0.517171	0.11259	0.910356	0.984141	ENSMUSG0 Gm6545
ENSMUSG0	5.085113	0.081481	0.723838	0.112568	0.910373	0.984141	ENSMUSG0 Kcnab3os
ENSMUSG0	11.38796	0.054343	0.48293	0.112528	0.910404	0.984141	ENSMUSG0 Gm49594
ENSMUSG0	1221.26	0.02193	0.195005	0.112459	0.910459	0.984141	ENSMUSG0 Map2k7
ENSMUSG0	1299.941	-0.01839	0.163728	-0.11234	0.910552	0.984141	ENSMUSG0 Rnf5
ENSMUSG0	39.57546	0.062165	0.55339	0.112335	0.910558	0.984141	ENSMUSG0 Slamf1
ENSMUSG0	757.5152	-0.0324	0.288509	-0.11232	0.910571	0.984141	ENSMUSG0 Rps6kb1
ENSMUSG0	187.3714	0.023756	0.211922	0.112099	0.910745	0.984178	ENSMUSG0 Rfc3
ENSMUSG0	176.4386	0.05481	0.489002	0.112086	0.910755	0.984178	ENSMUSG0 Ctxn2
ENSMUSG0	586.9505	-0.03677	0.328088	-0.11208	0.910759	0.984178	ENSMUSG0 Mrpl41
ENSMUSG0	2707.97	-0.01144	0.102181	-0.11199	0.91083	0.9842	ENSMUSG0 Dtx3
ENSMUSG0	542.492	-0.01762	0.157526	-0.11187	0.910927	0.984249	ENSMUSG0 Fbxo34
ENSMUSG0	764.5673	-0.03661	0.328194	-0.11154	0.911187	0.984438	ENSMUSG0 Mrtfb
ENSMUSG0	375.3211	-0.04228	0.379977	-0.11127	0.911399	0.984438	ENSMUSG0 Fastkd2
ENSMUSG0	5.974925	0.092643	0.832822	0.11124	0.911426	0.984438	ENSMUSG0 Gm43279
ENSMUSG0	3.409302	-0.11834	1.064408	-0.11118	0.911477	0.984438	ENSMUSG0 Gm128
ENSMUSG0	1874.968	-0.02047	0.184242	-0.11109	0.911544	0.984438	ENSMUSG0 Gpbp1
ENSMUSG0	158.5917	-0.04077	0.36705	-0.11108	0.911552	0.984438	ENSMUSG0 Donson
ENSMUSG0	6.38854	0.131775	1.186762	0.111037	0.911587	0.984438	ENSMUSG0 Gm47585
ENSMUSG0	547.4358	-0.02727	0.245975	-0.11088	0.91171	0.984438	ENSMUSG0 Tfdp2
ENSMUSG0	409.9369	-0.02125	0.191729	-0.11084	0.911747	0.984438	ENSMUSG0 Tmem170

ENSMUSG0	51.89188	0.034705	0.313439	0.110724	0.911835	0.984438	ENSMUSG0 Cpne4
ENSMUSG0	56.268	-0.05103	0.46112	-0.11066	0.911882	0.984438	ENSMUSG0 Gm19938
ENSMUSG0	420.7989	-0.02922	0.264471	-0.11047	0.912033	0.984438	ENSMUSG0 Apba3
ENSMUSG0	13.22176	-0.11015	0.998091	-0.11036	0.912123	0.984438	ENSMUSG0 Cd163
ENSMUSG0	649.5486	0.027821	0.252231	0.110299	0.912172	0.984438	ENSMUSG00610010K1
ENSMUSG0	1893.067	-0.02606	0.236478	-0.11019	0.912257	0.984438	ENSMUSG0 Celf4
ENSMUSG0	22.52126	-0.04925	0.446946	-0.11019	0.912258	0.984438	ENSMUSG0 Gm16835
ENSMUSG0	3.910117	-0.11984	1.088936	-0.11006	0.912365	0.984438	ENSMUSG0 Gm18029
ENSMUSG0	345.729	0.035524	0.322856	0.110031	0.912385	0.984438	ENSMUSG0 Lmbr1l
ENSMUSG0	1414.914	0.018228	0.165675	0.110022	0.912392	0.984438	ENSMUSG0 Fam120b
ENSMUSG0	108.9841	-0.06095	0.554196	-0.10998	0.912428	0.984438	ENSMUSG0 Isg15
ENSMUSG0	3.464681	-0.09369	0.852061	-0.10995	0.912447	0.984438	ENSMUSG0 Rps18-ps5
ENSMUSG0	3.667227	-0.10436	0.949401	-0.10992	0.91247	0.984438	ENSMUSG0 Gm50323
ENSMUSG0	3454.92	-0.03236	0.294467	-0.1099	0.912488	0.984438	ENSMUSG0 Drap1
ENSMUSG0	133.7168	-0.16733	1.523093	-0.10987	0.912516	0.984438	ENSMUSG0 Gm9794
ENSMUSG0	109.0575	0.030754	0.28026	0.109734	0.91262	0.984438	ENSMUSG0 Kif20a
ENSMUSG0	98.98773	-0.04437	0.404392	-0.10972	0.912628	0.984438	ENSMUSG0 Ecscr
ENSMUSG0	12445.71	0.037141	0.338571	0.109699	0.912648	0.984438	ENSMUSG0 Rplp2
ENSMUSG0	1365.587	-0.01264	0.115302	-0.10966	0.912677	0.984438	ENSMUSG0 Psme3
ENSMUSG0	8.33731	0.056733	0.517568	0.109615	0.912715	0.984438	ENSMUSG0 Vmn2r57
ENSMUSG0	530.2319	-0.02205	0.201172	-0.10961	0.912721	0.984438	ENSMUSG0 Gpn1
ENSMUSG0	685.8938	-0.0266	0.242879	-0.10952	0.912791	0.984438	ENSMUSG0 Tenm2
ENSMUSG0	254.988	-0.0248	0.226506	-0.10949	0.912817	0.984438	ENSMUSG0 Spryd4
ENSMUSG0	6.499523	-0.08824	0.806097	-0.10947	0.912831	0.984438	ENSMUSG0 Dnase2b
ENSMUSG0	297.5299	-0.02305	0.210598	-0.10945	0.912842	0.984438	ENSMUSG0 Zbtb2
ENSMUSG0	34.08547	-0.08703	0.796611	-0.10925	0.913003	0.984491	ENSMUSG0 Ptafr
ENSMUSG0	5.677216	-0.07893	0.723061	-0.10917	0.913071	0.984491	ENSMUSG09530056K1
ENSMUSG0	1478.287	0.031454	0.288133	0.109166	0.913071	0.984491	ENSMUSG0 Alg10b
ENSMUSG0	165.1966	-0.04741	0.434385	-0.10914	0.913095	0.984491	ENSMUSG0 Tram2
ENSMUSG0	346.5062	0.026752	0.245371	0.109025	0.913183	0.984526	ENSMUSG0 Ccnq
ENSMUSG0	985.9102	0.01692	0.155275	0.108965	0.91323	0.984526	ENSMUSG0 Topors
ENSMUSG0	2140.538	0.026787	0.246043	0.108871	0.913305	0.984551	ENSMUSG0 Gpd2
ENSMUSG0	3999.536	0.016478	0.151498	0.108765	0.913389	0.984553	ENSMUSG0 Tubb4b
ENSMUSG0	4.772064	-0.11531	1.060559	-0.10872	0.913423	0.984553	ENSMUSG0 Dbil5
ENSMUSG0	1220.843	0.021887	0.201495	0.108625	0.9135	0.984553	ENSMUSG0 Rpl7l1
ENSMUSG0	4.326634	0.104303	0.96034	0.108611	0.913511	0.984553	ENSMUSG0 Rarres1
ENSMUSG0	4.750966	-0.08788	0.810486	-0.10843	0.913657	0.984553	ENSMUSG0 Gm37963
ENSMUSG0	1552.281	-0.02129	0.196386	-0.10842	0.913663	0.984553	ENSMUSG0 Ano6
ENSMUSG0	792.7651	0.018223	0.168079	0.108418	0.913665	0.984553	ENSMUSG0 Ola1
ENSMUSG0	525.0816	-0.02748	0.253905	-0.10824	0.913806	0.984595	ENSMUSG0 Snrpd3
ENSMUSG0	242.006	-0.02807	0.25981	-0.10804	0.913966	0.984595	ENSMUSG01110038B1
ENSMUSG0	5.584463	0.091624	0.849066	0.107912	0.914066	0.984595	ENSMUSG0 Gm10472
ENSMUSG0	20558.26	0.022911	0.212338	0.1079	0.914075	0.984595	ENSMUSG0 Itm2b
ENSMUSG0	54.07455	0.042724	0.395989	0.107891	0.914082	0.984595	ENSMUSG0 Cccr2
ENSMUSG0	3.436848	-0.10634	0.986316	-0.10782	0.914141	0.984595	ENSMUSG0 Gm42604
ENSMUSG0	3.130198	-0.14975	1.388978	-0.10781	0.914147	0.984595	ENSMUSG0 Gm28040
ENSMUSG0	431.1023	-0.02973	0.275743	-0.1078	0.914151	0.984595	ENSMUSG0 Zmat1
ENSMUSG0	196.0763	-0.02566	0.238219	-0.10773	0.914212	0.984595	ENSMUSG0 Zfp955a
ENSMUSG0	31.15598	-0.04021	0.374041	-0.10749	0.914398	0.984629	ENSMUSG0 Hist1h4n
ENSMUSG0	10.95455	-0.12273	1.141989	-0.10747	0.914414	0.984629	ENSMUSG0 Gm26083
ENSMUSG0	972.7242	-0.02062	0.191948	-0.10742	0.914455	0.984629	ENSMUSG0 Ppid
ENSMUSG0	5.435149	0.114369	1.06528	0.10736	0.914503	0.984629	ENSMUSG0 Ighv1-19

ENSMUSG0	838.3653	-0.02779	0.258892	-0.10736	0.914503	0.984629	ENSMUSG0	Acap2
ENSMUSG0	361.3578	0.020306	0.189316	0.107259	0.914584	0.984632	ENSMUSG0	Prkra
ENSMUSG0	323.079	-0.04086	0.381068	-0.10722	0.914617	0.984632	ENSMUSG0	Gm9803
ENSMUSG0	737.3225	-0.03327	0.31045	-0.10716	0.91466	0.984632	ENSMUSG0	Mdc1
ENSMUSG0	607.9803	-0.0219	0.204466	-0.10709	0.914714	0.984636	ENSMUSG0	Eif2b1
ENSMUSG0	12140.24	0.037053	0.346288	0.107001	0.914788	0.98466	ENSMUSG0	Myl6
ENSMUSG0	2593.85	-0.02296	0.214861	-0.10686	0.914903	0.984674	ENSMUSG0	Eif3i
ENSMUSG0	81.18683	0.030103	0.281715	0.106856	0.914904	0.984674	ENSMUSG0	Spsb4
ENSMUSG0	3615.296	0.027458	0.257255	0.106736	0.914999	0.984722	ENSMUSG0	Hnrnpul2
ENSMUSG0	15.16164	0.061311	0.574958	0.106636	0.915078	0.984752	ENSMUSG0	Hrh2
ENSMUSG0	6.068279	-0.07991	0.749924	-0.10656	0.915139	0.984763	ENSMUSG0	1700013F0
ENSMUSG0	606.1133	-0.04931	0.463986	-0.10628	0.915357	0.984895	ENSMUSG0	Fcmr
ENSMUSG0	5.866317	0.142638	1.342563	0.106243	0.915389	0.984895	ENSMUSG0	Fam83a
ENSMUSG0	7.291275	0.099823	0.939868	0.10621	0.915416	0.984895	ENSMUSG0	Gm6204
ENSMUSG0	839.4806	-0.03045	0.287465	-0.10594	0.91563	0.985071	ENSMUSG0	Ppip5k2
ENSMUSG0	2373.806	0.016592	0.156734	0.105863	0.915691	0.985081	ENSMUSG0	Clint1
ENSMUSG0	39.35872	-0.06136	0.580685	-0.10567	0.915845	0.985121	ENSMUSG0	Terb1
ENSMUSG0	115.5722	-0.03607	0.341551	-0.10561	0.915893	0.985121	ENSMUSG0	2900005J1
ENSMUSG0	680.1123	-0.02382	0.22576	-0.10553	0.915956	0.985121	ENSMUSG0	D430042O
ENSMUSG0	1550.422	0.021095	0.199943	0.105503	0.915977	0.985121	ENSMUSG0	Fbxl3
ENSMUSG0	179.5959	0.028682	0.271887	0.105492	0.915985	0.985121	ENSMUSG0	Cspg4
ENSMUSG0	3.811256	-0.10456	0.992182	-0.10539	0.916069	0.985121	ENSMUSG0	Gm39460
ENSMUSG0	3263.545	-0.02391	0.227159	-0.10528	0.916156	0.985121	ENSMUSG0	Hprt
ENSMUSG0	10.54952	-0.06161	0.585219	-0.10527	0.916161	0.985121	ENSMUSG0	Gm13830
ENSMUSG0	8167.817	0.026867	0.255443	0.105177	0.916235	0.985121	ENSMUSG0	Fau
ENSMUSG0	27.90041	-0.0983	0.934685	-0.10517	0.916241	0.985121	ENSMUSG0	Gm4767
ENSMUSG0	248.0718	-0.02886	0.274814	-0.10502	0.916363	0.985194	ENSMUSG0	Lymr2
ENSMUSG0	209.7751	0.048413	0.461268	0.104956	0.916411	0.985194	ENSMUSG0	Gdpd5
ENSMUSG0	3274.704	-0.02244	0.214014	-0.10483	0.916508	0.985222	ENSMUSG0	Marchf6
ENSMUSG0	395.0164	0.038122	0.363975	0.104739	0.916583	0.985222	ENSMUSG0	Sema7a
ENSMUSG0	222.0666	0.021233	0.202742	0.10473	0.91659	0.985222	ENSMUSG0	Terf1
ENSMUSG0	107.1737	-0.02388	0.228437	-0.10455	0.916731	0.985318	ENSMUSG0	Kcnj6
ENSMUSG0	127.8729	-0.03182	0.30482	-0.1044	0.916848	0.985381	ENSMUSG0	Rnf113a1
ENSMUSG0	1261.339	0.016913	0.162244	0.104245	0.916975	0.985381	ENSMUSG0	Stau1
ENSMUSG0	30936.28	-0.03395	0.326439	-0.10401	0.917165	0.985381	ENSMUSG0	Rpl13a
ENSMUSG0	198.0182	-0.02269	0.218199	-0.10398	0.917187	0.985381	ENSMUSG0	Gm5113
ENSMUSG0	4848.854	-0.0171	0.164746	-0.1038	0.917326	0.985381	ENSMUSG0	Iqgap1
ENSMUSG0	596.5947	-0.03997	0.385048	-0.1038	0.917327	0.985381	ENSMUSG0	Sdhaf4
ENSMUSG0	30.38884	-0.04713	0.454336	-0.10374	0.917376	0.985381	ENSMUSG0	Gm15501
ENSMUSG0	205.8902	-0.03109	0.299826	-0.10368	0.917424	0.985381	ENSMUSG0	Zfp143
ENSMUSG0	483.7364	0.023645	0.228075	0.103672	0.917429	0.985381	ENSMUSG0	Cd3eap
ENSMUSG0	4847.492	0.022873	0.22067	0.103653	0.917445	0.985381	ENSMUSG0	Slc43a2
ENSMUSG0	103.1	-0.05034	0.485676	-0.10365	0.917446	0.985381	ENSMUSG0	Zfp882
ENSMUSG0	201.1417	-0.02106	0.203211	-0.10365	0.917449	0.985381	ENSMUSG0	4632404H1
ENSMUSG0	122.5814	-0.03686	0.355695	-0.10364	0.917455	0.985381	ENSMUSG0	1810055G0
ENSMUSG0	1817.676	0.024262	0.234341	0.103533	0.91754	0.98541	ENSMUSG0	Zfp740
ENSMUSG0	493.4496	0.038283	0.36997	0.103476	0.917585	0.98541	ENSMUSG0	Notch4
ENSMUSG0	11.61845	-0.05906	0.574178	-0.10286	0.918071	0.985469	ENSMUSG0	4930470G0
ENSMUSG0	2761.534	0.032616	0.317273	0.102802	0.91812	0.985469	ENSMUSG0	Psma3
ENSMUSG0	207.681	0.018125	0.176312	0.102799	0.918123	0.985469	ENSMUSG0	Actr6
ENSMUSG0	4403.151	0.016051	0.156224	0.102741	0.918168	0.985469	ENSMUSG0	Numa1
ENSMUSG0	879.7858	0.013943	0.135749	0.102713	0.918191	0.985469	ENSMUSG0	Uimc1

ENSMUSG0	2426.244	-0.03449	0.335842	-0.10271	0.918195	0.985469	ENSMUSG0 Ccar1
ENSMUSG0	25.95314	0.053934	0.525212	0.10269	0.918209	0.985469	ENSMUSG0 Plekhf1
ENSMUSG0	1148.074	0.028003	0.272856	0.102628	0.918259	0.985469	ENSMUSG0 Kmt5b
ENSMUSG0	775.4992	-0.1168	1.138371	-0.1026	0.91828	0.985469	ENSMUSG0 Gm47283
ENSMUSG0	8.90652	0.06321	0.616075	0.1026	0.91828	0.985469	ENSMUSG0 TtlI9
ENSMUSG0	1781.859	-0.02447	0.238716	-0.10253	0.91834	0.985469	ENSMUSG0 Irf1
ENSMUSG0	1020.691	-0.01954	0.190775	-0.10243	0.918411	0.985469	ENSMUSG0 Ltn1
ENSMUSG0	70.97573	-0.07383	0.720989	-0.1024	0.918443	0.985469	ENSMUSG0 Ifi213
ENSMUSG0	814.2833	-0.02697	0.263436	-0.10238	0.918455	0.985469	ENSMUSG0 Hnf4a
ENSMUSG0	3198.575	0.021506	0.210154	0.102335	0.918491	0.985469	ENSMUSG0 Lrrn1
ENSMUSG0	18.66816	0.044334	0.43333	0.10231	0.918511	0.985469	ENSMUSG0 Gm12405
ENSMUSG0	1288.371	0.019484	0.19087	0.102078	0.918695	0.985501	ENSMUSG0 Kansl3
ENSMUSG0	695.8712	0.031746	0.311406	0.101944	0.918801	0.985501	ENSMUSG0 Dot1l
ENSMUSG0	44.39764	-0.04812	0.472504	-0.10184	0.918886	0.985501	ENSMUSG0 Ndc80
ENSMUSG0	631.0433	0.047063	0.462347	0.101792	0.918922	0.985501	ENSMUSG0 Hbb-bs
ENSMUSG0	100.2126	0.021092	0.207269	0.10176	0.918947	0.985501	ENSMUSG0 Med18
ENSMUSG0	326.8333	0.01813	0.178281	0.101696	0.918998	0.985501	ENSMUSG0 Haus2
ENSMUSG0	477.708	-0.02846	0.279933	-0.10165	0.919035	0.985501	ENSMUSG0 Psmd10
ENSMUSG0	30.67224	0.036717	0.361215	0.101649	0.919035	0.985501	ENSMUSG0 Gm32856
ENSMUSG0	842.0636	0.016516	0.162598	0.101575	0.919094	0.985501	ENSMUSG0 Zfp746
ENSMUSG0	265.026	-0.02024	0.199239	-0.10157	0.919099	0.985501	ENSMUSG0 Pus3
ENSMUSG0	672.4402	0.016226	0.159816	0.101527	0.919132	0.985501	ENSMUSG0 Gtpbp6
ENSMUSG0	6.04027	0.140407	1.383362	0.101497	0.919156	0.985501	ENSMUSG0 InsI3
ENSMUSG0	1173.458	-0.01371	0.135205	-0.10143	0.91921	0.985505	ENSMUSG0 Stk40
ENSMUSG0	463.7212	-0.03518	0.347908	-0.10111	0.919466	0.985512	ENSMUSG0 Itgb8
ENSMUSG0	5.57988	0.144165	1.426392	0.10107	0.919495	0.985512	ENSMUSG0 Zfhx2os
ENSMUSG0	6.51601	-0.07077	0.700314	-0.10105	0.919509	0.985512	ENSMUSG0 Styxl1
ENSMUSG0	363.8002	0.032498	0.321801	0.100988	0.91956	0.985512	ENSMUSG0 Nid2
ENSMUSG0	6.097874	0.0812	0.80416	0.100975	0.919571	0.985512	ENSMUSG0 Gm17807
ENSMUSG0	1292.968	0.021846	0.216458	0.100927	0.919609	0.985512	ENSMUSG0 Tnpo2
ENSMUSG0	203.9037	0.029705	0.294382	0.100907	0.919624	0.985512	ENSMUSG0 Frmd5
ENSMUSG0	750.2719	-0.01575	0.156173	-0.10087	0.919656	0.985512	ENSMUSG0 Ints5
ENSMUSG0	594.2002	0.031145	0.308958	0.100807	0.919704	0.985512	ENSMUSG0 Smyd3
ENSMUSG0	378.3949	0.029647	0.294233	0.100759	0.919741	0.985512	ENSMUSG0 Smim11
ENSMUSG0	66.89178	0.025837	0.256703	0.10065	0.919829	0.985512	ENSMUSG0 Gm5577
ENSMUSG0	153.5935	0.032061	0.318556	0.100646	0.919831	0.985512	ENSMUSG0 Epb41laos
ENSMUSG0	925.1707	-0.01529	0.152352	-0.10034	0.920072	0.985603	ENSMUSG0 Senp3
ENSMUSG0	190.6114	-0.03849	0.38399	-0.10025	0.92015	0.985603	ENSMUSG0 Haus1
ENSMUSG0	1344.389	0.019569	0.195397	0.100148	0.920227	0.985603	ENSMUSG0 Urod
ENSMUSG0	1428.873	-0.01871	0.187012	-0.10004	0.920313	0.985603	ENSMUSG0 Zer1
ENSMUSG0	5.738554	-0.07841	0.784028	-0.10001	0.920336	0.985603	ENSMUSG0 Rab33a
ENSMUSG0	306.4701	-0.02031	0.203061	-0.1	0.920347	0.985603	ENSMUSG0 Bloc1s4
ENSMUSG0	1594.881	-0.01897	0.189789	-0.09997	0.920367	0.985603	ENSMUSG0 Rabep1
ENSMUSG0	347.2685	-0.02286	0.22866	-0.09996	0.920378	0.985603	ENSMUSG0 Zdhhc13
ENSMUSG0	1445.264	0.021722	0.217551	0.099846	0.920467	0.98561	ENSMUSG0 Ccnd3
ENSMUSG0	517.6623	-0.02771	0.277684	-0.09979	0.920507	0.98561	ENSMUSG0 Mrpl16
ENSMUSG0	2450.8	-0.01294	0.129748	-0.09976	0.920538	0.98561	ENSMUSG0 Bcar1
ENSMUSG0	1787.149	0.016526	0.165832	0.099655	0.920618	0.985641	ENSMUSG0 Babam1
ENSMUSG0	2009.376	0.015723	0.158402	0.09926	0.920931	0.985829	ENSMUSG0 Pfkml
ENSMUSG0	17.61429	-0.04111	0.414614	-0.09916	0.921009	0.985829	ENSMUSG0 Gm48194
ENSMUSG0	3.336144	-0.07679	0.775448	-0.09902	0.921119	0.985829	ENSMUSG0 B230220B1
ENSMUSG0	990.8771	-0.02649	0.267583	-0.099	0.921136	0.985829	ENSMUSG0 Cyb5a

ENSMUSG0	133.218	-0.01852	0.187166	-0.09896	0.921169	0.985829	ENSMUSG0 Cep57l1
ENSMUSG0	8255.412	-0.02083	0.210488	-0.09896	0.921169	0.985829	ENSMUSG0 H3f3b
ENSMUSG0	269.5621	0.014877	0.150397	0.098919	0.921203	0.985829	ENSMUSG0 Atat1
ENSMUSG0	232.4683	-0.02898	0.292967	-0.09892	0.921204	0.985829	ENSMUSG0 2310009B1
ENSMUSG0	83.47163	0.046911	0.475758	0.098603	0.921453	0.985956	ENSMUSG0 Aspn
ENSMUSG0	1642.716	0.02121	0.215266	0.098528	0.921513	0.985956	ENSMUSG0 Mrpl17
ENSMUSG0	57.53928	0.047275	0.479872	0.098516	0.921523	0.985956	ENSMUSG0 1700016P0
ENSMUSG0	848.791	0.012491	0.126829	0.098485	0.921547	0.985956	ENSMUSG0 Rab3ip
ENSMUSG0	1617.491	-0.01146	0.116457	-0.09845	0.921578	0.985956	ENSMUSG0 Prmt1
ENSMUSG0	1331.164	-0.02269	0.230705	-0.09837	0.921642	0.985968	ENSMUSG0 Chd2
ENSMUSG0	512.9909	0.032529	0.331042	0.098262	0.921725	0.986002	ENSMUSG0 4931406P1
ENSMUSG0	331.7219	-0.01572	0.160199	-0.09813	0.921828	0.986058	ENSMUSG0 Mettl6
ENSMUSG0	1507.058	-0.04473	0.456497	-0.098	0.921936	0.986119	ENSMUSG0 Pdyn
ENSMUSG0	30.85884	0.04128	0.42164	0.097903	0.922009	0.986142	ENSMUSG0 Gm9910
ENSMUSG0	89.88125	-0.03317	0.339111	-0.09781	0.92208	0.986163	ENSMUSG0 Gm42547
ENSMUSG0	5.718216	-0.08285	0.848983	-0.09759	0.92226	0.986183	ENSMUSG0 Gm45477
ENSMUSG0	324.5125	-0.02432	0.249408	-0.0975	0.922332	0.986183	ENSMUSG0 Zfp830
ENSMUSG0	604.0008	0.028643	0.293887	0.097462	0.92236	0.986183	ENSMUSG0 Fbxl15
ENSMUSG0	1253.866	0.021411	0.219753	0.097434	0.922382	0.986183	ENSMUSG0 Ptptrj
ENSMUSG0	84.84601	0.02293	0.235754	0.097261	0.922519	0.986183	ENSMUSG0 Fbxo5
ENSMUSG0	660.2546	-0.02246	0.230927	-0.09724	0.922534	0.986183	ENSMUSG0 Slc30a4
ENSMUSG0	727.3942	0.018275	0.188099	0.097158	0.922601	0.986183	ENSMUSG0 Stard5
ENSMUSG0	1078.898	0.019851	0.204551	0.097046	0.92269	0.986183	ENSMUSG0 Plaat3
ENSMUSG0	1778.329	0.029897	0.308351	0.096959	0.922759	0.986183	ENSMUSG0 Suco
ENSMUSG0	493.785	-0.02055	0.212081	-0.0969	0.922807	0.986183	ENSMUSG0 H2-M3
ENSMUSG0	260.6007	-0.02078	0.214636	-0.0968	0.922884	0.986183	ENSMUSG0 Bend3
ENSMUSG0	10.75811	-0.06932	0.716243	-0.09679	0.922896	0.986183	ENSMUSG0 Gm6254
ENSMUSG0	2698.215	-0.02395	0.247859	-0.09665	0.923008	0.986183	ENSMUSG0 Usp4
ENSMUSG0	17879.26	-0.04251	0.440041	-0.09661	0.923035	0.986183	ENSMUSG0 Rpl37a
ENSMUSG0	24.05747	0.061028	0.632114	0.096546	0.923087	0.986183	ENSMUSG0 Gm16136
ENSMUSG0	3752.059	-0.02418	0.25053	-0.09654	0.923095	0.986183	ENSMUSG0 Ddx24
ENSMUSG0	157.1876	-0.03997	0.414546	-0.09643	0.92318	0.986183	ENSMUSG0 Slc12a8
ENSMUSG0	404.9913	-0.01509	0.156542	-0.09642	0.923189	0.986183	ENSMUSG0 Fdxr
ENSMUSG0	3.183182	-0.08049	0.83533	-0.09635	0.923239	0.986183	ENSMUSG0 Gm38014
ENSMUSG0	362.5401	-0.01435	0.14897	-0.09635	0.923244	0.986183	ENSMUSG0 Ints12
ENSMUSG0	228.1935	0.023249	0.241504	0.096266	0.923309	0.986183	ENSMUSG0 Gdgd1
ENSMUSG0	210.3042	-0.02969	0.308457	-0.09626	0.923312	0.986183	ENSMUSG0 Tmem41a
ENSMUSG0	615.1972	0.03287	0.341542	0.096239	0.923331	0.986183	ENSMUSG0 Chd1
ENSMUSG0	343.0457	-0.01743	0.181263	-0.09619	0.923373	0.986183	ENSMUSG0 Zscan21
ENSMUSG0	3.977906	0.084624	0.879887	0.096177	0.92338	0.986183	ENSMUSG0 Gm44834
ENSMUSG0	810.8738	0.029148	0.303279	0.096108	0.923435	0.986186	ENSMUSG0 Usp31
ENSMUSG0	1112.96	-0.01371	0.142926	-0.09594	0.923566	0.986254	ENSMUSG0 Iars2
ENSMUSG0	1405.808	-0.02419	0.252209	-0.0959	0.923601	0.986254	ENSMUSG0 Fbl
ENSMUSG0	69.12644	-0.02689	0.280683	-0.0958	0.923678	0.986282	ENSMUSG0 Catspere2
ENSMUSG0	570.0405	0.02853	0.298188	0.095678	0.923777	0.986284	ENSMUSG0 Ift74
ENSMUSG0	472.1585	-0.01898	0.198436	-0.09564	0.923804	0.986284	ENSMUSG0 Bcap29
ENSMUSG0	882.7794	-0.01965	0.20604	-0.09539	0.924002	0.986284	ENSMUSG0 Stk38l
ENSMUSG0	1815.697	0.025965	0.272272	0.095366	0.924024	0.986284	ENSMUSG0 Fdps
ENSMUSG0	754.8154	-0.01284	0.134631	-0.09535	0.924033	0.986284	ENSMUSG0 Zpr1
ENSMUSG0	3.311296	0.081749	0.857551	0.095328	0.924054	0.986284	ENSMUSG0 A930027P0
ENSMUSG0	1753.51	-0.01093	0.114634	-0.09531	0.924069	0.986284	ENSMUSG0 Rnps1
ENSMUSG0	363.87	-0.01759	0.184594	-0.09527	0.924098	0.986284	ENSMUSG0 Pde12

ENSMUSG0	2378.803	0.012652	0.132967	0.095154	0.924192	0.986284	ENSMUSG0 Pdha1
ENSMUSG0	25.74839	0.045945	0.483554	0.095014	0.924303	0.986284	ENSMUSG0 Trem2
ENSMUSG0	12.92364	-0.07936	0.835501	-0.09499	0.924324	0.986284	ENSMUSG0 Gm37084
ENSMUSG0	13.78584	-0.05203	0.547767	-0.09498	0.92433	0.986284	ENSMUSG0D230022J0
ENSMUSG0	944.5726	0.015901	0.167544	0.094907	0.924389	0.986284	ENSMUSG0 Fundc1
ENSMUSG0	2977.101	-0.01286	0.135486	-0.0949	0.924398	0.986284	ENSMUSG0 Anxa7
ENSMUSG0	2590.816	0.012741	0.134552	0.094689	0.924562	0.986329	ENSMUSG0 G3bp1
ENSMUSG0	10281.17	0.022047	0.232898	0.094665	0.924581	0.986329	ENSMUSG0 Rian
ENSMUSG0	5.26398	-0.09223	0.975078	-0.09458	0.924647	0.986329	ENSMUSG0 Gm5831
ENSMUSG0	331.935	0.019639	0.207756	0.094531	0.924687	0.986329	ENSMUSG0 Sirt5
ENSMUSG0	1060.657	0.018011	0.190745	0.094426	0.924771	0.986329	ENSMUSG0 Sh2b1
ENSMUSG0	976.2766	-0.02187	0.231632	-0.09441	0.92478	0.986329	ENSMUSG0 Farp1
ENSMUSG0	84.87431	-0.03417	0.361995	-0.09439	0.924799	0.986329	ENSMUSG0 Apoa2
ENSMUSG0	1460.091	-0.02009	0.213041	-0.09428	0.924885	0.986367	ENSMUSG0 Wdr13
ENSMUSG0	1303.243	-0.01963	0.208523	-0.09415	0.924992	0.986425	ENSMUSG0 Cacul1
ENSMUSG0	1624.874	-0.02053	0.218423	-0.09399	0.925114	0.986459	ENSMUSG0 Fbrs
ENSMUSG0	1183.986	0.025388	0.270147	0.093979	0.925126	0.986459	ENSMUSG0 Fkbp3
ENSMUSG0	385.5985	-0.02128	0.226644	-0.0939	0.92519	0.986473	ENSMUSG0 Rab9
ENSMUSG0	3.34492	0.081921	0.873113	0.093826	0.925247	0.986479	ENSMUSG0 Gm33782
ENSMUSG0	236.0614	0.034406	0.367967	0.093504	0.925503	0.986666	ENSMUSG02610021A0
ENSMUSG0	77.79083	-0.03582	0.383147	-0.09348	0.925525	0.986666	ENSMUSG0 Zfp239
ENSMUSG0	571.0924	0.013562	0.145189	0.09341	0.925578	0.986667	ENSMUSG0 Naa25
ENSMUSG0	1690.8	-0.01512	0.162161	-0.09324	0.925714	0.986758	ENSMUSG0 Ginm1
ENSMUSG0	13704.93	0.017264	0.185329	0.093153	0.925782	0.986775	ENSMUSG0 Eef1g
ENSMUSG0	2792.115	0.017192	0.184683	0.09309	0.925832	0.986775	ENSMUSG0 Chmp1a
ENSMUSG0	8.863046	0.049341	0.530412	0.093024	0.925884	0.986776	ENSMUSG0 Gm12846
ENSMUSG0	18.11253	0.062877	0.676551	0.092938	0.925953	0.986794	ENSMUSG0 Tpbp
ENSMUSG0	1683.174	0.021104	0.227568	0.092736	0.926113	0.98691	ENSMUSG0 Galnt1
ENSMUSG0	941.3712	0.012503	0.134944	0.092656	0.926177	0.986923	ENSMUSG0 Tmcc2
ENSMUSG0	156.6928	0.041777	0.452759	0.092273	0.926481	0.987193	ENSMUSG0 Fcgr2b
ENSMUSG0	598.492	-0.01546	0.167853	-0.09211	0.926612	0.987196	ENSMUSG0 Atf7
ENSMUSG0	7.763825	-0.06083	0.660468	-0.0921	0.92662	0.987196	ENSMUSG04833407H1
ENSMUSG0	9.981919	0.054204	0.588691	0.092076	0.926638	0.987196	ENSMUSG0 Gm43274
ENSMUSG0	100907.6	0.014735	0.160772	0.091653	0.926974	0.987494	ENSMUSG0 Pcsk2
ENSMUSG0	905.8051	-0.02113	0.230648	-0.09159	0.92702	0.987494	ENSMUSG0 Rnf31
ENSMUSG0	6261.236	-0.01925	0.211577	-0.09096	0.927521	0.987943	ENSMUSG0 Slc16a10
ENSMUSG0	7.3583	-0.06683	0.73496	-0.09093	0.927549	0.987943	ENSMUSG0 BC037039
ENSMUSG0	146.8238	0.030744	0.338335	0.09087	0.927596	0.987943	ENSMUSG0 Kctd14
ENSMUSG0	3.079369	0.113359	1.24989	0.090695	0.927735	0.98799	ENSMUSG0 Slfn4
ENSMUSG0	41.81242	0.039029	0.431048	0.090545	0.927854	0.98799	ENSMUSG0 Acot4
ENSMUSG0	217.9846	-0.01997	0.220524	-0.09054	0.927856	0.98799	ENSMUSG0 Nsun5
ENSMUSG0	284.923	0.017979	0.198627	0.090515	0.927878	0.98799	ENSMUSG0 Cdkn2c
ENSMUSG0	444.4547	0.013228	0.146233	0.090459	0.927923	0.98799	ENSMUSG0 Taf1c
ENSMUSG0	1815.942	0.016107	0.178145	0.090416	0.927956	0.98799	ENSMUSG0 Arhgef2
ENSMUSG0	3513.941	-0.0209	0.23209	-0.09003	0.928262	0.98799	ENSMUSG0 Mtdh
ENSMUSG0	1698.711	-0.02145	0.238274	-0.09001	0.928281	0.98799	ENSMUSG0 Nelfb
ENSMUSG0	848.3174	0.021103	0.234681	0.089923	0.928348	0.98799	ENSMUSG0 Trim33
ENSMUSG0	551.7594	0.017845	0.198602	0.089855	0.928403	0.98799	ENSMUSG0 Ehbp1
ENSMUSG0	229.6107	-0.01768	0.196935	-0.08978	0.928466	0.98799	ENSMUSG0 Snx7
ENSMUSG0	2488.389	-0.01385	0.154385	-0.08972	0.928509	0.98799	ENSMUSG0 Hnrnpd
ENSMUSG0	360.9907	0.033446	0.372787	0.089719	0.92851	0.98799	ENSMUSG02810025M:
ENSMUSG0	4.798576	-0.11058	1.233909	-0.08961	0.928594	0.98799	ENSMUSG0 Gm14412

ENSMUSG0	198.6495	-0.01852	0.206701	-0.0896	0.928607	0.98799	ENSMUSG0 Casp6
ENSMUSG0	37.70798	-0.03777	0.421645	-0.08957	0.928631	0.98799	ENSMUSG0 Spin4
ENSMUSG0	115.0826	-0.03525	0.393659	-0.08954	0.928649	0.98799	ENSMUSG0 Vash1
ENSMUSG0	453.9408	-0.01559	0.174137	-0.08954	0.928651	0.98799	ENSMUSG0 Hps3
ENSMUSG0	582.0875	0.020262	0.226359	0.089515	0.928673	0.98799	ENSMUSG0 Pex3
ENSMUSG0	1814.245	-0.01299	0.145169	-0.0895	0.928682	0.98799	ENSMUSG0 Cdc42se1
ENSMUSG0	4.785363	0.074645	0.836513	0.089234	0.928896	0.98799	ENSMUSG0 Acr
ENSMUSG0	25.36372	0.031145	0.349504	0.089113	0.928992	0.98799	ENSMUSG0 Rnf165
ENSMUSG0	298.2979	0.030322	0.340572	0.089032	0.929057	0.98799	ENSMUSG0 Alms1
ENSMUSG0	612.84	-0.01351	0.151775	-0.08902	0.929066	0.98799	ENSMUSG0 Zmym6
ENSMUSG0	13.89643	-0.07639	0.858938	-0.08894	0.929132	0.98799	ENSMUSG0 Phf11a
ENSMUSG0	66.36349	-0.03877	0.435954	-0.08892	0.929143	0.98799	ENSMUSG0 Zfp458
ENSMUSG0	37.96456	-0.03481	0.391857	-0.08884	0.929209	0.98799	ENSMUSG0 Melk
ENSMUSG0	603.3254	0.023745	0.267408	0.088798	0.929243	0.98799	ENSMUSG0 Cluap1
ENSMUSG0	6006.632	0.026354	0.296914	0.088759	0.929273	0.98799	ENSMUSG0 Selenom
ENSMUSG0	59.55865	0.03712	0.418518	0.088693	0.929326	0.98799	ENSMUSG0 Arntl2
ENSMUSG0	3.149437	-0.08109	0.915457	-0.08858	0.929415	0.98799	ENSMUSG0 Gm37694
ENSMUSG0	596.316	-0.01564	0.176578	-0.08858	0.92942	0.98799	ENSMUSG0 Phf13
ENSMUSG0	2.972785	0.085203	0.962894	0.088487	0.92949	0.98799	ENSMUSG0 Dmrta1
ENSMUSG0	484.707	0.029919	0.33816	0.088476	0.929498	0.98799	ENSMUSG0 Tiparp
ENSMUSG0	595.6264	-0.01954	0.220943	-0.08845	0.929522	0.98799	ENSMUSG0 Pogk
ENSMUSG0	6.420399	-0.06762	0.765419	-0.08834	0.929605	0.98799	ENSMUSG0 Gm37285
ENSMUSG0	52.62211	0.025339	0.286868	0.088329	0.929615	0.98799	ENSMUSG0 Gm26660
ENSMUSG0	2844.162	0.018311	0.207368	0.0883	0.929639	0.98799	ENSMUSG0 Cpq
ENSMUSG0	7.307866	0.099995	1.132529	0.088294	0.929643	0.98799	ENSMUSG0 Gm2606
ENSMUSG0	2902.178	-0.01523	0.172884	-0.08812	0.929782	0.988056	ENSMUSG0 Rab5b
ENSMUSG0	30.38657	-0.02982	0.338487	-0.08809	0.929808	0.988056	ENSMUSG0 Gm43379
ENSMUSG0	899.6331	-0.01507	0.171292	-0.08797	0.929898	0.988097	ENSMUSG0 Leprot
ENSMUSG0	157.3862	0.031429	0.357984	0.087794	0.930041	0.988186	ENSMUSG0 Fam135b
ENSMUSG0	3.297103	-0.09548	1.08876	-0.0877	0.930119	0.988186	ENSMUSG01700016A0
ENSMUSG0	796.0934	0.023996	0.273694	0.087674	0.930136	0.988186	ENSMUSG0 Gpatch8
ENSMUSG0	8.326058	0.056767	0.649372	0.087418	0.930339	0.988347	ENSMUSG0A130012E1
ENSMUSG0	256.1254	-0.03193	0.365696	-0.08731	0.930428	0.98835	ENSMUSG0 Faxc
ENSMUSG0	128.2615	0.034415	0.394489	0.08724	0.930481	0.98835	ENSMUSG0 Zfp976
ENSMUSG0	537.5909	-0.01396	0.160261	-0.08713	0.930565	0.98835	ENSMUSG0 Rhobtb2
ENSMUSG0	4.412978	-0.09008	1.033841	-0.08713	0.930566	0.98835	ENSMUSG0 Gm44744
ENSMUSG0	162.0048	0.019264	0.221452	0.086991	0.930679	0.98835	ENSMUSG0 Kif9
ENSMUSG0	851.3899	-0.01414	0.1626	-0.08699	0.930679	0.98835	ENSMUSG0 Eif4enif1
ENSMUSG0	15.87045	0.041226	0.474062	0.086963	0.930701	0.98835	ENSMUSG0 Rps2-ps6
ENSMUSG0	99.28639	0.158876	1.828487	0.086889	0.93076	0.988357	ENSMUSG0 Ighv1-11
ENSMUSG0	174.4442	0.250142	2.88625	0.086667	0.930936	0.988441	ENSMUSG0 Gm10052
ENSMUSG0	1001.748	-0.02815	0.325234	-0.08656	0.93102	0.988441	ENSMUSG0 Bola2
ENSMUSG0	1413.073	-0.01413	0.163228	-0.08654	0.931035	0.988441	ENSMUSG0 Dalrd3
ENSMUSG0	27.96231	0.03969	0.4589	0.08649	0.931077	0.988441	ENSMUSG0 Fanci
ENSMUSG0	279.0766	-0.02638	0.305106	-0.08647	0.931096	0.988441	ENSMUSG0 Ebpl
ENSMUSG0	5.627464	-0.06564	0.760379	-0.08632	0.931212	0.98851	ENSMUSG02810442N1
ENSMUSG0	14.35848	0.065181	0.755877	0.086232	0.931282	0.98853	ENSMUSG0 Igkv14-111
ENSMUSG0	13.21512	0.051522	0.598135	0.086138	0.931356	0.988531	ENSMUSG0 Ska1
ENSMUSG0	26.25652	0.069095	0.802477	0.086102	0.931385	0.988531	ENSMUSG0 Ccl2
ENSMUSG0	83.40107	0.030781	0.3588	0.085789	0.931634	0.98874	ENSMUSG0 Plcx3
ENSMUSG0	53.10642	-0.11008	1.284698	-0.08568	0.931717	0.988746	ENSMUSG0 Cyp2c65
ENSMUSG0	996.5219	0.014261	0.166574	0.085615	0.931773	0.988746	ENSMUSG0 Sptlc2

ENSMUSG0	3.128968	-0.08825	1.033411	-0.0854	0.931942	0.988746	ENSMUSG0 Gm6210
ENSMUSG0	4.449429	-0.09839	1.152912	-0.08534	0.931993	0.988746	ENSMUSG0 Siglecf
ENSMUSG0	12.44024	-0.08377	0.981982	-0.08531	0.932019	0.988746	ENSMUSG0 Ttn
ENSMUSG0	2081.986	0.022167	0.260403	0.085125	0.932162	0.988746	ENSMUSG0 Tap2
ENSMUSG0	483.7761	0.009153	0.107564	0.08509	0.93219	0.988746	ENSMUSG0 Slc35f6
ENSMUSG0	167.0514	-0.02149	0.252623	-0.08508	0.932199	0.988746	ENSMUSG0 Sec14l4
ENSMUSG0	114.8193	-0.03614	0.424873	-0.08505	0.932219	0.988746	ENSMUSG0 D16Ert47
ENSMUSG0	861.5572	-0.01503	0.176784	-0.08503	0.932235	0.988746	ENSMUSG0 Aldh4a1
ENSMUSG0	962.9068	0.020862	0.246042	0.08479	0.932428	0.988746	ENSMUSG0 Pogz
ENSMUSG0	1163.473	-0.01332	0.157155	-0.08479	0.93243	0.988746	ENSMUSG0 Vps26b
ENSMUSG0	368.0614	0.017074	0.201374	0.084787	0.93243	0.988746	ENSMUSG0 Trib2
ENSMUSG0	462.9992	-0.02422	0.285798	-0.08475	0.932463	0.988746	ENSMUSG0 Bloc1s2
ENSMUSG0	80.14084	-0.03344	0.395087	-0.08464	0.932546	0.988746	ENSMUSG0 Gcnt1
ENSMUSG0	938.3658	0.016401	0.194266	0.084426	0.932717	0.988746	ENSMUSG0 Exoc4
ENSMUSG0	96.14957	-0.02928	0.346917	-0.0844	0.93274	0.988746	ENSMUSG0 Gm37859
ENSMUSG0	7.521489	-0.09421	1.116629	-0.08437	0.932762	0.988746	ENSMUSG0 Igkv13-84
ENSMUSG0	473.4006	-0.0171	0.20282	-0.08433	0.932797	0.988746	ENSMUSG0 Stam
ENSMUSG0	269.9484	0.024496	0.290492	0.084326	0.932797	0.988746	ENSMUSG0 Mettl5
ENSMUSG0	409.7425	-0.01431	0.169725	-0.0843	0.932815	0.988746	ENSMUSG0 C0610030E2
ENSMUSG0	477.3702	-0.01612	0.191259	-0.08427	0.932842	0.988746	ENSMUSG0 Gas8
ENSMUSG0	136.3236	0.02508	0.298303	0.084075	0.932997	0.988746	ENSMUSG0 Pik3c2g
ENSMUSG0	628.8914	0.018441	0.219583	0.083981	0.933071	0.988746	ENSMUSG0 Ifnar2
ENSMUSG0	228.6873	0.01503	0.178978	0.083977	0.933074	0.988746	ENSMUSG0 Mettl21a
ENSMUSG0	21.91341	-0.0301	0.358535	-0.08396	0.933091	0.988746	ENSMUSG0 Gm45743
ENSMUSG0	17.73634	0.094191	1.12195	0.083953	0.933094	0.988746	ENSMUSG0 Mcemp1
ENSMUSG0	1871.457	-0.01668	0.198741	-0.08392	0.933118	0.988746	ENSMUSG0 Mff
ENSMUSG0	3.134367	-0.07026	0.837406	-0.08391	0.933131	0.988746	ENSMUSG0 Wnt3
ENSMUSG0	6549.023	-0.02428	0.289721	-0.08381	0.933209	0.988775	ENSMUSG0 Ubr4
ENSMUSG0	1222.747	0.017892	0.213751	0.083706	0.93329	0.988807	ENSMUSG0 Las1l
ENSMUSG0	147.9369	0.022055	0.264023	0.083533	0.933427	0.988897	ENSMUSG0 Tmc7
ENSMUSG0	712.7651	0.023893	0.286561	0.083377	0.933552	0.988929	ENSMUSG0 Rnf38
ENSMUSG0	68.9343	0.054898	0.658552	0.083361	0.933564	0.988929	ENSMUSG0 Gm7488
ENSMUSG0	480.8688	0.016907	0.202979	0.083294	0.933618	0.988929	ENSMUSG0 Zfp738
ENSMUSG0	713.374	0.016128	0.193891	0.083181	0.933708	0.988929	ENSMUSG0 Plscr1
ENSMUSG0	646.3346	-0.01552	0.186727	-0.08314	0.933738	0.988929	ENSMUSG0 Tulp3
ENSMUSG0	4067.823	-0.01414	0.170148	-0.08311	0.933766	0.988929	ENSMUSG0 Ywhab
ENSMUSG0	730.7921	-0.01804	0.217861	-0.08279	0.934021	0.989073	ENSMUSG0 Pde4b
ENSMUSG0	386.8466	0.027407	0.331285	0.08273	0.934066	0.989073	ENSMUSG0 Ndor1
ENSMUSG0	336.1126	0.01709	0.206614	0.082716	0.934077	0.989073	ENSMUSG0 Fam184a
ENSMUSG0	1550.896	-0.02091	0.252968	-0.08265	0.934127	0.989073	ENSMUSG0 Actn1
ENSMUSG0	67.04168	0.046961	0.568629	0.082587	0.93418	0.989073	ENSMUSG0 Rpgrip1
ENSMUSG0	1621.001	0.012483	0.151371	0.082464	0.934278	0.989073	ENSMUSG0 Cops2
ENSMUSG0	164.3376	0.017486	0.212469	0.082297	0.93441	0.989073	ENSMUSG0 Pfkfb4
ENSMUSG0	8.295891	-0.04615	0.561715	-0.08217	0.934514	0.989073	ENSMUSG0 Gm47512
ENSMUSG0	617.3905	-0.01359	0.1657	-0.08203	0.934619	0.989073	ENSMUSG0 Atad3a
ENSMUSG0	1668.172	-0.0196	0.238965	-0.08203	0.934627	0.989073	ENSMUSG0 Mllt6
ENSMUSG0	1754.986	0.017526	0.214221	0.081812	0.934797	0.989073	ENSMUSG0 Syncrip
ENSMUSG0	2114.013	0.011378	0.13931	0.081674	0.934906	0.989073	ENSMUSG0 Arfgap2
ENSMUSG0	768.3808	0.019794	0.242395	0.081658	0.934919	0.989073	ENSMUSG0 Zfp142
ENSMUSG0	9074.006	-0.02354	0.288415	-0.08162	0.934947	0.989073	ENSMUSG0 Hnrnpa2b1
ENSMUSG0	226.6285	-0.02279	0.279449	-0.08155	0.935003	0.989073	ENSMUSG0 Gtbbp10
ENSMUSG0	11846.5	-0.00999	0.122766	-0.08141	0.935119	0.989073	ENSMUSG0 Vcp

ENSMUSG0	910.1328	0.036035	0.442722	0.081393	0.935129	0.989073	ENSMUSG0 Srgn
ENSMUSG0	3.177337	0.085694	1.053979	0.081306	0.935199	0.989073	ENSMUSG0 Adra1a
ENSMUSG0	14.05436	-0.03716	0.457113	-0.0813	0.935201	0.989073	ENSMUSG0 Gm21284
ENSMUSG0	29.85915	-0.04933	0.607301	-0.08123	0.935262	0.989073	ENSMUSG0 Gm973
ENSMUSG0	490.214	-0.01322	0.16288	-0.08115	0.93532	0.989073	ENSMUSG0 Mfsd13a
ENSMUSG0	881.317	0.013953	0.171952	0.081142	0.935329	0.989073	ENSMUSG0 Ddx55
ENSMUSG0	7691.339	-0.01684	0.207581	-0.08114	0.935329	0.989073	ENSMUSG0 Atp6ap2
ENSMUSG0	863.8119	0.017919	0.221372	0.080946	0.935485	0.989073	ENSMUSG0 Oip5os1
ENSMUSG0	3.574514	0.08536	1.054988	0.080911	0.935512	0.989073	ENSMUSG0 Gm38200
ENSMUSG0	45307.66	-0.01458	0.180147	-0.08091	0.935515	0.989073	ENSMUSG0 Eef2
ENSMUSG0	1139.038	0.01917	0.237009	0.080882	0.935536	0.989073	ENSMUSG0 Rnf213
ENSMUSG0	8.881298	-0.08393	1.037881	-0.08087	0.935545	0.989073	ENSMUSG0 Gm33167
ENSMUSG0	1442.239	0.011267	0.139425	0.080811	0.935592	0.989073	ENSMUSG0 Trim27
ENSMUSG0	3.080433	0.085606	1.059516	0.080798	0.935603	0.989073	ENSMUSG0 Gm10252
ENSMUSG0	6.254273	0.056881	0.704475	0.080743	0.935647	0.989073	ENSMUSG0 Npm2
ENSMUSG0	971.781	-0.01744	0.216014	-0.08074	0.935648	0.989073	ENSMUSG0 Zfp24
ENSMUSG0	2219.611	0.01109	0.137563	0.080621	0.935743	0.989073	ENSMUSG0 Tuba4a
ENSMUSG0	472.8709	-0.01819	0.225634	-0.08062	0.935747	0.989073	ENSMUSG0 Gpalpp1
ENSMUSG0	4.164968	-0.09028	1.119986	-0.08061	0.935752	0.989073	ENSMUSG0 Ano2
ENSMUSG0	1234.431	0.026439	0.328738	0.080427	0.935898	0.989131	ENSMUSG0 Cetn2
ENSMUSG0	229.2502	0.016513	0.205359	0.080411	0.935911	0.989131	ENSMUSG0 Tmem138
ENSMUSG0	6.4805	0.047969	0.597495	0.080284	0.936012	0.989135	ENSMUSG0 1700047K1
ENSMUSG0	683.4556	-0.01782	0.222236	-0.08019	0.936086	0.989135	ENSMUSG0 Bcl7c
ENSMUSG0	607.045	-0.01648	0.205779	-0.0801	0.936154	0.989135	ENSMUSG0 Sike1
ENSMUSG0	1358.201	-0.0115	0.143573	-0.08007	0.93618	0.989135	ENSMUSG0 Rtf2
ENSMUSG0	933.7552	0.026674	0.333242	0.080044	0.936202	0.989135	ENSMUSG0 Dmxl1
ENSMUSG0	1137.668	0.018004	0.224997	0.080019	0.936222	0.989135	ENSMUSG0 Inafm1
ENSMUSG0	1292.855	0.02637	0.330467	0.079795	0.936401	0.989198	ENSMUSG0 Dynll1
ENSMUSG0	6.179663	-0.07907	0.99224	-0.07969	0.936481	0.989198	ENSMUSG0 Cxcr2
ENSMUSG0	16.07963	0.072429	0.908937	0.079685	0.936488	0.989198	ENSMUSG0 Timp4
ENSMUSG0	112.4254	0.01897	0.238665	0.079483	0.936648	0.989263	ENSMUSG0 2810029C0
ENSMUSG0	7.939157	-0.04954	0.623502	-0.07945	0.936672	0.989263	ENSMUSG0 Gm17552
ENSMUSG0	1827.754	-0.01457	0.183522	-0.07941	0.936704	0.989263	ENSMUSG0 Eps8l2
ENSMUSG0	262.444	0.017716	0.224005	0.079087	0.936963	0.9894	ENSMUSG0 Zfp280c
ENSMUSG0	173.0386	-0.02199	0.278364	-0.07899	0.937039	0.9894	ENSMUSG0 Gm10138
ENSMUSG0	161.8665	-0.15529	1.969437	-0.07885	0.937151	0.9894	ENSMUSG0 Gm45837
ENSMUSG0	18.83731	0.04381	0.556618	0.078707	0.937266	0.9894	ENSMUSG0 Gm47798
ENSMUSG0	132.5648	-0.0279	0.354453	-0.0787	0.937268	0.9894	ENSMUSG0 Dse
ENSMUSG0	749.8304	-0.02503	0.318038	-0.0787	0.937268	0.9894	ENSMUSG0 583041711C
ENSMUSG0	35.18285	0.061642	0.784047	0.078621	0.937334	0.9894	ENSMUSG0 Gm42428
ENSMUSG0	166.7824	0.025938	0.330101	0.078576	0.93737	0.9894	ENSMUSG0 Tmem88
ENSMUSG0	579.8381	-0.01101	0.140302	-0.0785	0.937432	0.9894	ENSMUSG0 Ralb
ENSMUSG0	1604.554	0.032814	0.418104	0.078484	0.937443	0.9894	ENSMUSG0 Srcap
ENSMUSG0	347.1067	-0.01344	0.171209	-0.07848	0.937444	0.9894	ENSMUSG0 Pcyox1l
ENSMUSG0	4.072161	-0.0923	1.176221	-0.07847	0.937451	0.9894	ENSMUSG0 Gm48639
ENSMUSG0	793.5048	-0.01618	0.206726	-0.07826	0.937619	0.989407	ENSMUSG0 Phf8
ENSMUSG0	2591.759	-0.01322	0.169071	-0.07821	0.937664	0.989407	ENSMUSG0 Usp33
ENSMUSG0	141.4102	0.025775	0.329607	0.0782	0.937669	0.989407	ENSMUSG0 Zfp97
ENSMUSG0	1364.72	0.025423	0.325312	0.078149	0.937709	0.989407	ENSMUSG0 Med13
ENSMUSG0	5134.712	-0.01063	0.136143	-0.07807	0.93777	0.989407	ENSMUSG0 Ndr1
ENSMUSG0	428.5568	-0.01942	0.248843	-0.07805	0.937789	0.989407	ENSMUSG0 Zmynd19
ENSMUSG0	1295.072	-0.01815	0.232808	-0.07795	0.937866	0.989407	ENSMUSG0 Mrs2

ENSMUSG0	143.989	-0.02587	0.332107	-0.0779	0.937906	0.989407	ENSMUSG0 Hpse
ENSMUSG0	2174.995	-0.01094	0.140437	-0.07788	0.93792	0.989407	ENSMUSG0 Acox1
ENSMUSG0	369.5463	0.01712	0.22073	0.077562	0.938177	0.989573	ENSMUSG0 Senp7
ENSMUSG0	722.0691	-0.02846	0.366945	-0.07756	0.938181	0.989573	ENSMUSG0 Ifitm3
ENSMUSG0	1873.49	-0.01332	0.172283	-0.07731	0.938377	0.98962	ENSMUSG0 Ppp2r5b
ENSMUSG0	1139.562	-0.01941	0.251067	-0.07731	0.938378	0.98962	ENSMUSG0 Arl2
ENSMUSG0	354.9708	-0.0209	0.270385	-0.07731	0.938379	0.98962	ENSMUSG0 Rbm15
ENSMUSG0	5978.401	-0.02079	0.269232	-0.07721	0.93846	0.989651	ENSMUSG0 Eif3f
ENSMUSG0	19.32397	0.050296	0.652154	0.077122	0.938526	0.989666	ENSMUSG0 InsI6
ENSMUSG0	1631.841	0.024711	0.322286	0.076674	0.938883	0.989701	ENSMUSG0 Mphosph8
ENSMUSG0	500.0856	-0.02228	0.291152	-0.07654	0.93899	0.989701	ENSMUSG08030462N1
ENSMUSG0	157.7944	-0.11985	1.566261	-0.07652	0.939007	0.989701	ENSMUSG0 Gm12338
ENSMUSG0	1366.099	0.0195	0.254937	0.076488	0.939031	0.989701	ENSMUSG0 Unc93b1
ENSMUSG0	1117.567	0.024135	0.315839	0.076416	0.939088	0.989701	ENSMUSG0 Susd6
ENSMUSG0	3282.817	-0.01347	0.176388	-0.07634	0.939146	0.989701	ENSMUSG0 Ergic3
ENSMUSG0	959.5676	-0.01758	0.230373	-0.07631	0.93917	0.989701	ENSMUSG0 Gtf3c4
ENSMUSG0	254.6678	-0.02423	0.317565	-0.07629	0.939189	0.989701	ENSMUSG0 Raph1
ENSMUSG0	5.073793	0.061268	0.803474	0.076254	0.939217	0.989701	ENSMUSG0 Krt78
ENSMUSG0	2343.37	-0.00834	0.109471	-0.07619	0.939266	0.989701	ENSMUSG0 Vps11
ENSMUSG0	1640.669	-0.01431	0.188021	-0.07613	0.939315	0.989701	ENSMUSG0 Rnf103
ENSMUSG0	4.398875	0.099433	1.308138	0.076011	0.93941	0.989701	ENSMUSG0 Gm21119
ENSMUSG0	1474.748	-0.01634	0.215113	-0.07598	0.939433	0.989701	ENSMUSG0 Arpc3
ENSMUSG0	3.549693	-0.07125	0.939031	-0.07588	0.939518	0.989701	ENSMUSG0 Gm5475
ENSMUSG0	612.8903	0.020495	0.27016	0.075861	0.93953	0.989701	ENSMUSG0 Tmem184c
ENSMUSG0	1621.374	0.008294	0.109403	0.075816	0.939565	0.989701	ENSMUSG0 Lmbrd1
ENSMUSG0	818.7271	0.012822	0.169237	0.075762	0.939609	0.989701	ENSMUSG0 Hs2st1
ENSMUSG0	44.76001	-0.16361	2.1597	-0.07576	0.939613	0.989701	ENSMUSG0 Gm9531
ENSMUSG0	725.7401	0.013338	0.176205	0.075698	0.939659	0.989701	ENSMUSG0 Pkia
ENSMUSG0	759.4846	0.015061	0.199013	0.07568	0.939674	0.989701	ENSMUSG0 Mettl16
ENSMUSG0	16.42832	-0.05564	0.73616	-0.07559	0.939747	0.989701	ENSMUSG0 Cbr2
ENSMUSG0	19.48921	-0.07059	0.934264	-0.07556	0.93977	0.989701	ENSMUSG0 Gxylt2
ENSMUSG0	596.4842	0.018092	0.239598	0.07551	0.939809	0.989701	ENSMUSG0 Lemd3
ENSMUSG0	107.7459	-0.02181	0.28895	-0.07547	0.939844	0.989701	ENSMUSG0 Zfp677
ENSMUSG0	108.4237	-0.0206	0.273861	-0.07521	0.940044	0.989701	ENSMUSG0 Zfp760
ENSMUSG0	1586.989	-0.02067	0.274797	-0.0752	0.940053	0.989701	ENSMUSG0 Sbf1
ENSMUSG0	402.8386	-0.01352	0.180153	-0.07503	0.940188	0.989701	ENSMUSG0 Wrap53
ENSMUSG0	3403.472	-0.01319	0.176339	-0.0748	0.940373	0.989701	ENSMUSG0 Gpx1
ENSMUSG0	9096.957	-0.02135	0.285702	-0.07474	0.940422	0.989701	ENSMUSG0 Eef1b2
ENSMUSG0	607.4539	-0.01428	0.19114	-0.07472	0.940436	0.989701	ENSMUSG0 Ddx27
ENSMUSG0	584.5933	-0.01893	0.253381	-0.0747	0.94045	0.989701	ENSMUSG0 Csgalnact2
ENSMUSG0	863.0456	0.022546	0.301913	0.074678	0.940471	0.989701	ENSMUSG0 Tet3
ENSMUSG0	712.4009	-0.01431	0.192056	-0.07449	0.94062	0.989701	ENSMUSG0 Tspan9
ENSMUSG0	4.617324	-0.07243	0.972414	-0.07449	0.940623	0.989701	ENSMUSG00610038B2
ENSMUSG0	35.33879	0.027733	0.372555	0.07444	0.94066	0.989701	ENSMUSG0C730034F0
ENSMUSG0	670.7127	0.015053	0.202382	0.074377	0.94071	0.989701	ENSMUSG0 Ptpdc1
ENSMUSG0	4.4489	-0.05398	0.726224	-0.07433	0.940745	0.989701	ENSMUSG0 Gm43398
ENSMUSG0	1415.204	0.025225	0.339442	0.074312	0.940762	0.989701	ENSMUSG0 Hectd4
ENSMUSG0	434.9008	0.025513	0.344004	0.074164	0.94088	0.989701	ENSMUSG0Tmem170b
ENSMUSG0	782.3045	-0.01227	0.165649	-0.07408	0.94095	0.989701	ENSMUSG0 Phactr4
ENSMUSG0	6181.194	0.019129	0.258295	0.074058	0.940964	0.989701	ENSMUSG0 Fndc3a
ENSMUSG0	7.033368	0.053743	0.726465	0.073979	0.941027	0.989701	ENSMUSG0 Platr27
ENSMUSG0	44.52127	-0.02356	0.318422	-0.07398	0.94103	0.989701	ENSMUSG0 Pcdhb16

ENSMUSG0	690.8331	-0.01891	0.255949	-0.07386	0.941119	0.989701	ENSMUSG0 Arg1
ENSMUSG0	445.1695	0.019501	0.26432	0.073779	0.941186	0.989701	ENSMUSG0 Fam169a
ENSMUSG0	96.01232	0.020036	0.271683	0.073747	0.941212	0.989701	ENSMUSG0 Slamf9
ENSMUSG0	60.4952	0.02587	0.350906	0.073724	0.94123	0.989701	ENSMUSG0 Gm7467
ENSMUSG0	4.452586	0.053818	0.730319	0.073691	0.941256	0.989701	ENSMUSG0 Gm9996
ENSMUSG0	429.8409	0.012577	0.170901	0.073594	0.941334	0.989701	ENSMUSG0 Dipk1b
ENSMUSG0	281.1489	0.018375	0.250105	0.073469	0.941433	0.989701	ENSMUSG0 Rbbp8
ENSMUSG0	33.94872	0.042301	0.576218	0.073412	0.941478	0.989701	ENSMUSG0 Pcdh9
ENSMUSG0	19.96002	-0.04834	0.658931	-0.07336	0.941521	0.989701	ENSMUSG0 Plcd4
ENSMUSG0	1007.16	-0.01703	0.232248	-0.07334	0.941539	0.989701	ENSMUSG0 Rbm43
ENSMUSG0	374.4395	-0.01795	0.244834	-0.07332	0.94155	0.989701	ENSMUSG0 Uchl5
ENSMUSG0	681.145	0.027841	0.379843	0.073296	0.94157	0.989701	ENSMUSG0 Dock10
ENSMUSG0	8.509713	-0.05623	0.768028	-0.07322	0.941632	0.989701	ENSMUSG0 9330136K2
ENSMUSG0	672.1171	-0.02499	0.341373	-0.07321	0.941635	0.989701	ENSMUSG0 Fyco1
ENSMUSG0	254.3952	0.018084	0.247007	0.073214	0.941636	0.989701	ENSMUSG0 B4galnt4
ENSMUSG0	31.45429	-0.02534	0.346448	-0.07315	0.94169	0.989701	ENSMUSG0 A230072C0
ENSMUSG0	7703.884	-0.01481	0.202876	-0.07302	0.941788	0.989701	ENSMUSG0 Chd4
ENSMUSG0	2106.818	0.01331	0.182506	0.072932	0.941861	0.989701	ENSMUSG0 Tsn
ENSMUSG0	276.8004	0.013695	0.187885	0.072892	0.941892	0.989701	ENSMUSG0 Moccs1
ENSMUSG0	615.9119	-0.01454	0.199797	-0.07276	0.941994	0.989701	ENSMUSG0 Vps13a
ENSMUSG0	570.3704	0.014645	0.20135	0.072734	0.942018	0.989701	ENSMUSG0 Tmem126b
ENSMUSG0	427.5948	0.013625	0.187481	0.072673	0.942067	0.989701	ENSMUSG0 Zbtb45
ENSMUSG0	54.66208	0.042982	0.591729	0.072638	0.942094	0.989701	ENSMUSG0 Ms4a6c
ENSMUSG0	375.9807	-0.01756	0.241866	-0.0726	0.942123	0.989701	ENSMUSG0 Cyp4f17
ENSMUSG0	7627.207	-0.01987	0.273818	-0.07257	0.942151	0.989701	ENSMUSG0 Serf2
ENSMUSG0	182.1693	-0.0147	0.202512	-0.07257	0.942151	0.989701	ENSMUSG0 Mroh7
ENSMUSG0	204.4777	0.018565	0.255881	0.072554	0.942161	0.989701	ENSMUSG0 Dok1
ENSMUSG0	376.9293	0.025284	0.348983	0.072452	0.942242	0.989733	ENSMUSG0 Atad2b
ENSMUSG0	42.45524	-0.03276	0.453227	-0.07229	0.942373	0.989805	ENSMUSG0 Cks2
ENSMUSG0	85.91543	0.02654	0.367727	0.072172	0.942465	0.989805	ENSMUSG0 Olfm3
ENSMUSG0	6.146788	-0.03994	0.553501	-0.07215	0.94248	0.989805	ENSMUSG0 5430400D1
ENSMUSG0	3.704042	-0.05934	0.822939	-0.07211	0.942518	0.989805	ENSMUSG0 Gm47797
ENSMUSG0	3249.69	0.024676	0.343823	0.07177	0.942785	0.990032	ENSMUSG0 Hsph1
ENSMUSG0	160.0318	0.034118	0.476441	0.07161	0.942912	0.990083	ENSMUSG0 Lyl1
ENSMUSG0	143.1071	-0.01631	0.228049	-0.07154	0.942968	0.990083	ENSMUSG0 Hspbap1
ENSMUSG0	724.4797	-0.01654	0.231238	-0.07151	0.942988	0.990083	ENSMUSG0 Kdm3a
ENSMUSG0	249.4163	-0.02011	0.281529	-0.07143	0.943054	0.990099	ENSMUSG0 Mrm2
ENSMUSG0	1342.749	0.013455	0.189267	0.07109	0.943326	0.990195	ENSMUSG0 Ddx54
ENSMUSG0	60.93467	-0.02516	0.354067	-0.07107	0.94334	0.990195	ENSMUSG0 Grk4
ENSMUSG0	16.59747	0.034241	0.48208	0.071027	0.943376	0.990195	ENSMUSG0 Gm48062
ENSMUSG0	27.05466	0.03993	0.562447	0.070993	0.943403	0.990195	ENSMUSG0 Sgo2a
ENSMUSG0	225.8516	0.020166	0.286193	0.070463	0.943825	0.990487	ENSMUSG0 2610306M0
ENSMUSG0	253.9848	0.018909	0.268581	0.070404	0.943872	0.990487	ENSMUSG0 Mrps6
ENSMUSG0	550.8832	-0.0136	0.193174	-0.07039	0.943884	0.990487	ENSMUSG0 Mirg
ENSMUSG0	357.4648	-0.01551	0.220348	-0.07038	0.943893	0.990487	ENSMUSG0 Grwd1
ENSMUSG0	30.15178	-0.03504	0.498315	-0.07032	0.943939	0.990487	ENSMUSG0 Serpind1
ENSMUSG0	275.4855	0.014395	0.205588	0.07002	0.944178	0.990643	ENSMUSG0 Znhit6
ENSMUSG0	1683.423	-0.0166	0.237136	-0.07	0.94419	0.990643	ENSMUSG0 Cmtr1
ENSMUSG0	476.7408	0.014363	0.20566	0.069841	0.94432	0.990725	ENSMUSG0 Rfx1
ENSMUSG0	796.6827	-0.01313	0.188252	-0.06977	0.944374	0.990725	ENSMUSG0 Tcof1
ENSMUSG0	1900.461	0.018801	0.269691	0.069712	0.944423	0.990725	ENSMUSG0 Zc3h7a
ENSMUSG0	13.27403	-0.03243	0.466314	-0.06954	0.944557	0.990746	ENSMUSG0 Tsx

ENSMUSG0	983.8171	-0.00925	0.133102	-0.0695	0.94459	0.990746	ENSMUSG0 Uck1
ENSMUSG0	3.420646	0.072309	1.04093	0.069466	0.944619	0.990746	ENSMUSG0 Gm20684
ENSMUSG0	805.1954	0.013052	0.188743	0.069154	0.944867	0.990746	ENSMUSG0 Phax
ENSMUSG0	707.9975	-0.01894	0.274092	-0.06911	0.944898	0.990746	ENSMUSG0 Ntan1
ENSMUSG0	826.5211	-0.01211	0.175237	-0.06908	0.944924	0.990746	ENSMUSG0 Asb8
ENSMUSG0	980.2025	0.014825	0.214642	0.069067	0.944937	0.990746	ENSMUSG0 Slc9a3r1
ENSMUSG0	413.5321	0.021131	0.307043	0.068822	0.945131	0.990746	ENSMUSG0 Med6
ENSMUSG0	26.44879	0.025759	0.375224	0.06865	0.945268	0.990746	ENSMUSG0 Gm15853
ENSMUSG0	588.4026	-0.01704	0.248675	-0.0685	0.945384	0.990746	ENSMUSG0 Hyi
ENSMUSG0	25.36272	0.032735	0.478141	0.068462	0.945418	0.990746	ENSMUSG0 Gm36298
ENSMUSG0	1341.37	-0.01672	0.244555	-0.06837	0.945493	0.990746	ENSMUSG0 Rbm33
ENSMUSG0	8.142587	0.039652	0.580236	0.068337	0.945517	0.990746	ENSMUSG0 Wbscr25
ENSMUSG0	866.4022	0.015667	0.229932	0.068138	0.945676	0.990746	ENSMUSG0 Als2
ENSMUSG0	420.6968	0.066482	0.976445	0.068086	0.945717	0.990746	ENSMUSG0 Gm45140
ENSMUSG0	1178.644	0.011659	0.17126	0.068079	0.945722	0.990746	ENSMUSG0 Ccdc97
ENSMUSG0	1219.403	0.020661	0.303746	0.06802	0.94577	0.990746	ENSMUSG0 Vps16
ENSMUSG0	919.6476	-0.01277	0.188055	-0.06793	0.94584	0.990746	ENSMUSG0 Adprhl2
ENSMUSG0	1085.01	0.015003	0.22101	0.067884	0.945878	0.990746	ENSMUSG0 Slc9a3r2
ENSMUSG0	878.5676	0.013216	0.194766	0.067856	0.945901	0.990746	ENSMUSG0 Wdr43
ENSMUSG0	244.1445	0.017652	0.260157	0.06785	0.945905	0.990746	ENSMUSG0 Tex9
ENSMUSG0	89.76447	0.016382	0.241643	0.067792	0.945951	0.990746	ENSMUSG0 Clec11a
ENSMUSG0	705.9392	-0.02143	0.316326	-0.06775	0.945982	0.990746	ENSMUSG0 Magoh
ENSMUSG0	700.0938	-0.01359	0.200594	-0.06773	0.946	0.990746	ENSMUSG0 Cryz11
ENSMUSG0	684.1175	-0.01004	0.148427	-0.06762	0.946085	0.990746	ENSMUSG0 Lsg1
ENSMUSG0	769.1349	0.021184	0.313798	0.067509	0.946177	0.990746	ENSMUSG0 Zfas1
ENSMUSG0	115.0976	0.067403	0.99883	0.067482	0.946198	0.990746	ENSMUSG0 Ig1c1
ENSMUSG0	287.5095	-0.01059	0.157036	-0.06745	0.946221	0.990746	ENSMUSG0 Smn1
ENSMUSG0	5.828596	-0.05016	0.744231	-0.06739	0.946269	0.990746	ENSMUSG0 F420014N2
ENSMUSG0	59.51852	0.036563	0.542898	0.067347	0.946305	0.990746	ENSMUSG0 Ifi204
ENSMUSG0	30.97148	-0.03087	0.459083	-0.06724	0.946387	0.990746	ENSMUSG0 Rad51ap1
ENSMUSG0	161.2005	0.020831	0.310025	0.067193	0.946428	0.990746	ENSMUSG0 Zfp52
ENSMUSG0	1154.174	0.013012	0.193867	0.067118	0.946488	0.990746	ENSMUSG0 Dapk3
ENSMUSG0	452.3268	-0.01324	0.197333	-0.06711	0.946493	0.990746	ENSMUSG0 AI597479
ENSMUSG0	16.64141	0.029099	0.433732	0.067089	0.946511	0.990746	ENSMUSG0 Gm6483
ENSMUSG0	371.801	-0.01604	0.239042	-0.06708	0.946516	0.990746	ENSMUSG0 2410004B1
ENSMUSG0	633.6509	-0.01017	0.151675	-0.06708	0.946519	0.990746	ENSMUSG0 Ercc2
ENSMUSG0	4.907482	-0.05104	0.761014	-0.06707	0.946526	0.990746	ENSMUSG0 Gm7785
ENSMUSG0	475.0922	-0.01626	0.242449	-0.06707	0.946527	0.990746	ENSMUSG0 Yeats2
ENSMUSG0	736.8869	-0.01343	0.200388	-0.06704	0.946552	0.990746	ENSMUSG0 Slc35a5
ENSMUSG0	64.04478	-0.02511	0.375615	-0.06685	0.946698	0.990746	ENSMUSG0 Asf1b
ENSMUSG0	680.6426	-0.01145	0.17128	-0.06684	0.946707	0.990746	ENSMUSG0 Tprkb
ENSMUSG0	1830.996	-0.01274	0.190738	-0.06681	0.946731	0.990746	ENSMUSG0 Cyth2
ENSMUSG0	456.8839	-0.01135	0.169923	-0.06679	0.946745	0.990746	ENSMUSG0 Zbed3
ENSMUSG0	6.244868	0.078123	1.170734	0.06673	0.946797	0.990746	ENSMUSG0 Aoah
ENSMUSG0	473.2581	-0.0161	0.24155	-0.06666	0.946852	0.990746	ENSMUSG0 Eef2k
ENSMUSG0	12.32329	-0.03264	0.49005	-0.0666	0.946904	0.990746	ENSMUSG0 Slc23a3
ENSMUSG0	2460.931	-0.02939	0.44144	-0.06658	0.946915	0.990746	ENSMUSG0 Gm10288
ENSMUSG0	151.6208	0.014029	0.211197	0.066428	0.947037	0.99077	ENSMUSG0 Fam57a
ENSMUSG0	95.83062	-0.01746	0.262835	-0.06642	0.947042	0.99077	ENSMUSG0 Chaf1b
ENSMUSG0	641.4858	0.010731	0.162144	0.066183	0.947232	0.990888	ENSMUSG0 Kihl26
ENSMUSG0	640.933	-0.01595	0.241412	-0.06607	0.947325	0.990888	ENSMUSG0 Dpy19l4
ENSMUSG0	103.0075	0.024246	0.367193	0.066032	0.947353	0.990888	ENSMUSG0 Pcdhga9

ENSMUSG0	8.242776	0.191622	2.904089	0.065984	0.947391	0.990888	ENSMUSG0 Gm13597
ENSMUSG0	2910.909	-0.00746	0.113147	-0.06595	0.947419	0.990888	ENSMUSG0 Csnk1d
ENSMUSG0	153.0734	0.017854	0.271136	0.06585	0.947498	0.990888	ENSMUSG0 Rnf24
ENSMUSG0	2704.462	0.017509	0.26624	0.065762	0.947567	0.990888	ENSMUSG0 Stag2
ENSMUSG0	18.66393	-0.03246	0.493579	-0.06576	0.947569	0.990888	ENSMUSG0D630033AC
ENSMUSG0	4.532353	-0.06352	0.970527	-0.06544	0.94782	0.990888	ENSMUSG0 Gm2387
ENSMUSG0	2836.79	-0.01	0.15296	-0.06536	0.947884	0.990888	ENSMUSG0 Ccnl2
ENSMUSG0	603.096	-0.01493	0.228489	-0.06535	0.947899	0.990888	ENSMUSG02410006H1
ENSMUSG0	1394.674	-0.01323	0.202615	-0.06529	0.94794	0.990888	ENSMUSG0 Zc3hav1
ENSMUSG0	316.8117	0.011193	0.1715	0.065264	0.947964	0.990888	ENSMUSG0 Slc30a6
ENSMUSG0	772.7524	0.014689	0.225224	0.065219	0.947999	0.990888	ENSMUSG0 Cfap97
ENSMUSG0	18.65911	0.029206	0.448044	0.065186	0.948026	0.990888	ENSMUSG0 Gm47439
ENSMUSG0	1430.395	-0.01768	0.271285	-0.06516	0.94805	0.990888	ENSMUSG0 Pla2g12a
ENSMUSG0	5.66078	0.080244	1.232235	0.065121	0.948078	0.990888	ENSMUSG0 Tcte3
ENSMUSG0	184.0902	-0.0143	0.220046	-0.06497	0.9482	0.990888	ENSMUSG0 Slc25a13
ENSMUSG0	1227.632	-0.01136	0.175033	-0.06491	0.948246	0.990888	ENSMUSG0 Eml1
ENSMUSG0	331.6502	-0.01438	0.221939	-0.0648	0.948329	0.990888	ENSMUSG0 Xxylt1
ENSMUSG0	6.590334	0.048902	0.754728	0.064795	0.948338	0.990888	ENSMUSG0 Gm11707
ENSMUSG0	999.238	-0.01419	0.219161	-0.06476	0.948369	0.990888	ENSMUSG0 Spg21
ENSMUSG0	1780.485	-0.01708	0.264024	-0.0647	0.948413	0.990888	ENSMUSG0 Ddx46
ENSMUSG0	1092.093	-0.01017	0.157479	-0.06461	0.948483	0.990888	ENSMUSG0 Ube2m
ENSMUSG0	189.7026	-0.01722	0.266579	-0.0646	0.948489	0.990888	ENSMUSG0 Gtdc1
ENSMUSG0	6.609351	0.061379	0.950462	0.064578	0.94851	0.990888	ENSMUSG0 Ly6m
ENSMUSG0	1491.181	0.012508	0.193977	0.064484	0.948585	0.990888	ENSMUSG0 Opa1
ENSMUSG0	3.591616	0.056635	0.878467	0.06447	0.948596	0.990888	ENSMUSG0D7Ert443e
ENSMUSG0	22.12938	-0.02258	0.351492	-0.06424	0.948781	0.991018	ENSMUSG0 Tsacc
ENSMUSG0	432.8609	0.020881	0.326163	0.06402	0.948954	0.991018	ENSMUSG0 Dennd5b
ENSMUSG0	3685.504	-0.01795	0.28048	-0.064	0.948969	0.991018	ENSMUSG0 Park7
ENSMUSG0	14.43696	-0.02645	0.413872	-0.06392	0.949035	0.991018	ENSMUSG0 Gm35025
ENSMUSG0	6830.66	0.012291	0.192372	0.063892	0.949056	0.991018	ENSMUSG0 Cyfip2
ENSMUSG0	213.3585	-0.01183	0.185194	-0.06388	0.949064	0.991018	ENSMUSG0Tmem198b
ENSMUSG0	10.19296	-0.03101	0.48616	-0.06378	0.949146	0.991018	ENSMUSG0 Fcor
ENSMUSG0	5.826543	-0.06167	0.967211	-0.06376	0.949163	0.991018	ENSMUSG0 Gm44231
ENSMUSG0	14.62832	0.042695	0.67031	0.063694	0.949214	0.991018	ENSMUSG0 Clec4a2
ENSMUSG0	1479.995	0.014901	0.234087	0.063654	0.949246	0.991018	ENSMUSG0 Lamtor2
ENSMUSG0	596.4381	0.018283	0.287736	0.06354	0.949337	0.991018	ENSMUSG0 Cd300lg
ENSMUSG0	107.7839	0.024967	0.393227	0.063494	0.949373	0.991018	ENSMUSG0 Pcdhgb1
ENSMUSG0	328.6542	0.01411	0.222783	0.063337	0.949498	0.991018	ENSMUSG0 Zfp160
ENSMUSG0	1067.193	-0.01135	0.179188	-0.06333	0.949504	0.991018	ENSMUSG0 Relch
ENSMUSG0	395.6716	-0.02174	0.343688	-0.06325	0.949567	0.991018	ENSMUSG0 Fmc1
ENSMUSG0	137.9188	0.01939	0.306563	0.06325	0.949567	0.991018	ENSMUSG0 Ccdc173
ENSMUSG0	308.5895	0.013046	0.206751	0.063098	0.949688	0.991018	ENSMUSG0 Kctd18
ENSMUSG0	3099.093	0.020267	0.321752	0.06299	0.949774	0.991018	ENSMUSG0 Nme1
ENSMUSG0	14529.55	-0.02329	0.369854	-0.06297	0.949792	0.991018	ENSMUSG0 Rps27a
ENSMUSG0	15.90242	-0.05074	0.807305	-0.06285	0.949882	0.991018	ENSMUSG0 Gm37827
ENSMUSG0	9.179625	-0.04556	0.725225	-0.06282	0.949909	0.991018	ENSMUSG0 Gm48882
ENSMUSG0	539.2359	0.016974	0.270584	0.06273	0.949982	0.991018	ENSMUSG0 Ifitm2
ENSMUSG0	397.8345	0.012667	0.20203	0.062698	0.950007	0.991018	ENSMUSG0 Dtx1
ENSMUSG0	758.9084	-0.00976	0.155745	-0.06268	0.95002	0.991018	ENSMUSG0 Ppp2r5d
ENSMUSG0	801.5442	0.032005	0.511649	0.062553	0.950122	0.991018	ENSMUSG0 Ms4a1
ENSMUSG0	682.0979	-0.02049	0.32765	-0.06253	0.950144	0.991018	ENSMUSG0 Fam126b
ENSMUSG0	570.8332	-0.01219	0.195452	-0.06239	0.950252	0.991018	ENSMUSG0 Nfyb

ENSMUSG0	7.321215	-0.05929	0.950633	-0.06237	0.950265	0.991018	ENSMUSG0 Gm48493
ENSMUSG0	50.27086	-0.03633	0.582521	-0.06236	0.950272	0.991018	ENSMUSG0 Dock3
ENSMUSG0	7518.267	-0.00992	0.159157	-0.06233	0.950299	0.991018	ENSMUSG0 Os9
ENSMUSG0	11.39556	-0.03031	0.48639	-0.06231	0.950318	0.991018	ENSMUSG0 Gm31834
ENSMUSG0	483.5817	0.008794	0.14147	0.062159	0.950436	0.991087	ENSMUSG0 Ubac2
ENSMUSG0	492.4126	0.017995	0.290251	0.061998	0.950564	0.991167	ENSMUSG0 Lclat1
ENSMUSG0	888.1444	-0.0111	0.179256	-0.06191	0.950632	0.991184	ENSMUSG0 Stk24
ENSMUSG0	1672.974	-0.00743	0.120675	-0.06158	0.9509	0.991192	ENSMUSG0 Pi4k2a
ENSMUSG0	6.602617	-0.03689	0.599157	-0.06156	0.950911	0.991192	ENSMUSG0 Gm26542
ENSMUSG0	77.99727	-0.05983	0.974281	-0.06141	0.951031	0.991192	ENSMUSG0 Fcna
ENSMUSG0	121.3635	0.029241	0.476335	0.061388	0.95105	0.991192	ENSMUSG0 Pabpc1l
ENSMUSG0	344.8593	0.013516	0.220597	0.061271	0.951143	0.991192	ENSMUSG0 Lnpk
ENSMUSG0	7.164366	-0.04737	0.774125	-0.06119	0.951209	0.991192	ENSMUSG0 Gm46447
ENSMUSG0	394.2525	-0.01203	0.196612	-0.06117	0.951224	0.991192	ENSMUSG0 Mfsd12
ENSMUSG0	149.9536	-0.01774	0.290235	-0.06111	0.95127	0.991192	ENSMUSG0 Oas1a
ENSMUSG0	1211.733	0.010796	0.176973	0.061001	0.951358	0.991192	ENSMUSG0 Dab2ip
ENSMUSG0	27.14654	-0.04529	0.743256	-0.06093	0.951411	0.991192	ENSMUSG0 Gm42664
ENSMUSG0	1593.74	-0.01411	0.231982	-0.06084	0.951485	0.991192	ENSMUSG0 Tmem131
ENSMUSG0	4594.368	-0.01201	0.197731	-0.06075	0.95156	0.991192	ENSMUSG0 Wnk1
ENSMUSG0	111.6217	0.175363	2.886745	0.060748	0.95156	0.991192	ENSMUSG0 Gm45062
ENSMUSG0	1420.351	0.010816	0.178095	0.060733	0.951572	0.991192	ENSMUSG0 Slc39a1
ENSMUSG0	9.155647	-0.04049	0.667108	-0.06069	0.951605	0.991192	ENSMUSG0 2900018N2
ENSMUSG0	2473.597	0.009533	0.157129	0.060668	0.951624	0.991192	ENSMUSG0 Syndig1l
ENSMUSG0	4.396489	0.046709	0.771177	0.060568	0.951703	0.991192	ENSMUSG0 Gm42577
ENSMUSG0	1425.801	-0.0178	0.294005	-0.06053	0.951736	0.991192	ENSMUSG0 Arpp19
ENSMUSG0	76.81595	-0.02079	0.344471	-0.06036	0.95187	0.991192	ENSMUSG0 Fam13a
ENSMUSG0	905.6095	0.012574	0.20842	0.060332	0.951891	0.991192	ENSMUSG0 Sos2
ENSMUSG0	4341.001	0.016499	0.273583	0.060306	0.951912	0.991192	ENSMUSG0 Anp32b
ENSMUSG0	741.2994	-0.01519	0.252279	-0.06022	0.951983	0.991192	ENSMUSG0 Iqce
ENSMUSG0	1037.483	-0.01506	0.250352	-0.06014	0.952043	0.991192	ENSMUSG0 Dido1
ENSMUSG0	912.163	0.012191	0.202942	0.060069	0.952101	0.991192	ENSMUSG0 Eps15l1
ENSMUSG0	165.1237	-0.01445	0.240872	-0.05997	0.95218	0.991192	ENSMUSG0 Cmss1
ENSMUSG0	759.7507	0.011048	0.184282	0.059954	0.952192	0.991192	ENSMUSG0 Pikfyve
ENSMUSG0	330.9619	-0.01841	0.307704	-0.05983	0.952289	0.991192	ENSMUSG0 Dcxr
ENSMUSG0	8.716991	-0.03559	0.595275	-0.05979	0.952323	0.991192	ENSMUSG0 5730521K0
ENSMUSG0	7.759782	-0.0509	0.853866	-0.05962	0.952462	0.991192	ENSMUSG0 Cfap43
ENSMUSG0	415.6145	0.011063	0.186527	0.059311	0.952704	0.991192	ENSMUSG0 Dgkq
ENSMUSG0	2073.663	-0.00979	0.165163	-0.0593	0.952717	0.991192	ENSMUSG0 Trak1
ENSMUSG0	1784.922	-0.0099	0.167151	-0.05921	0.952782	0.991192	ENSMUSG0 Pds5a
ENSMUSG0	351.0082	0.007284	0.123521	0.058969	0.952976	0.991192	ENSMUSG0 Eri1
ENSMUSG0	1285.381	0.011229	0.190423	0.058966	0.952979	0.991192	ENSMUSG0 Ak2
ENSMUSG0	8.635183	-0.04629	0.785706	-0.05892	0.953017	0.991192	ENSMUSG0 Mir142hg
ENSMUSG0	7.978112	-0.04539	0.772195	-0.05878	0.953127	0.991192	ENSMUSG0 Albfbm1
ENSMUSG0	97.72713	-0.03322	0.565881	-0.0587	0.953191	0.991192	ENSMUSG0 Cxcl10
ENSMUSG0	944.3035	0.01148	0.195707	0.058662	0.953222	0.991192	ENSMUSG0 Myo1b
ENSMUSG0	11.25495	0.056615	0.966027	0.058606	0.953266	0.991192	ENSMUSG0 2900089D1
ENSMUSG0	586.0956	0.018488	0.315687	0.058565	0.953299	0.991192	ENSMUSG0 Plcb3
ENSMUSG0	11.38356	-0.02692	0.461261	-0.05835	0.953468	0.991192	ENSMUSG0 Zbp2
ENSMUSG0	2093.795	-0.0181	0.310457	-0.05831	0.953504	0.991192	ENSMUSG0 Pomp
ENSMUSG0	221.4795	-0.01958	0.336041	-0.05827	0.953532	0.991192	ENSMUSG0 Ccl2
ENSMUSG0	32.2415	-0.02683	0.460659	-0.05825	0.95355	0.991192	ENSMUSG0 Gm48045
ENSMUSG0	15.57333	0.030789	0.530483	0.05804	0.953717	0.991192	ENSMUSG0 Gm44775

ENSMUSG0	1881.22	0.008503	0.146621	0.057993	0.953754	0.991192	ENSMUSG0 Ndufs1
ENSMUSG0	6.623541	0.049512	0.855177	0.057897	0.953831	0.991192	ENSMUSG0 Gm10406
ENSMUSG0	261.521	-0.01174	0.202891	-0.05785	0.953868	0.991192	ENSMUSG0 Emc9
ENSMUSG0	167.9164	0.01341	0.231804	0.057849	0.953869	0.991192	ENSMUSG0 Hilpda
ENSMUSG0	5.72881	-0.04415	0.763277	-0.05785	0.953871	0.991192	ENSMUSG04930458D0
ENSMUSG0	964.653	0.010068	0.174206	0.057793	0.953914	0.991192	ENSMUSG0 Parp12
ENSMUSG0	121.3321	0.034819	0.60257	0.057784	0.95392	0.991192	ENSMUSG0 Gm8369
ENSMUSG0	671.4419	-0.01017	0.176331	-0.05768	0.954002	0.991192	ENSMUSG0 Fam83h
ENSMUSG0	1489.147	-0.01816	0.315116	-0.05764	0.954039	0.991192	ENSMUSG0 Cops5
ENSMUSG0	8.10073	-0.0358	0.621253	-0.05763	0.954043	0.991192	ENSMUSG0 Zfp114
ENSMUSG0	1353.506	0.007598	0.131857	0.057625	0.954047	0.991192	ENSMUSG0 Patj
ENSMUSG0	1282.9	-0.01141	0.198467	-0.05751	0.954143	0.991192	ENSMUSG0 Rbm6
ENSMUSG0	895.9182	-0.01981	0.344725	-0.05746	0.954177	0.991192	ENSMUSG0 Frg1
ENSMUSG0	358.8415	0.022767	0.396462	0.057426	0.954205	0.991192	ENSMUSG0 Stab1
ENSMUSG0	539.0721	0.013189	0.229899	0.057369	0.954251	0.991192	ENSMUSG0 Sirt1
ENSMUSG0	595.1685	-0.00984	0.171769	-0.05731	0.954295	0.991192	ENSMUSG0 Traf2
ENSMUSG0	1772.423	-0.0097	0.169324	-0.0573	0.954309	0.991192	ENSMUSG0 Glo1
ENSMUSG0	20.28129	-0.02529	0.441957	-0.05723	0.954365	0.991192	ENSMUSG0 Prdm5
ENSMUSG0	42710.72	0.009741	0.170489	0.057133	0.954439	0.991192	ENSMUSG0 Hsp90ab1
ENSMUSG0	1049.325	0.012749	0.223234	0.057112	0.954456	0.991192	ENSMUSG0 Ppa1
ENSMUSG0	854.3068	-0.01254	0.219695	-0.0571	0.954465	0.991192	ENSMUSG0 Ppp1r9a
ENSMUSG0	6.920436	0.03201	0.560588	0.0571	0.954465	0.991192	ENSMUSG0 Synpo2l
ENSMUSG0	58.1119	0.022089	0.387045	0.057071	0.954489	0.991192	ENSMUSG0 Clec1a
ENSMUSG0	166.0453	0.02392	0.419336	0.057042	0.954512	0.991192	ENSMUSG0 Gm42067
ENSMUSG0	1262.961	0.016065	0.281706	0.057027	0.954523	0.991192	ENSMUSG0 Nop58
ENSMUSG0	706.0959	-0.01243	0.217918	-0.05702	0.954527	0.991192	ENSMUSG0 Stard4
ENSMUSG0	85.53014	-0.01372	0.241105	-0.05692	0.954612	0.991192	ENSMUSG0 Zfp960
ENSMUSG0	426.385	-0.01224	0.215222	-0.05689	0.954635	0.991192	ENSMUSG0 AU022252
ENSMUSG0	1360.914	0.007866	0.138388	0.056841	0.954672	0.991192	ENSMUSG0 Tnfaip1
ENSMUSG0	6.109713	-0.04987	0.877728	-0.05681	0.954693	0.991192	ENSMUSG0A230059L0
ENSMUSG0	1094.043	-0.01278	0.224947	-0.0568	0.954704	0.991192	ENSMUSG0 Aimp1
ENSMUSG0	6.073376	-0.04724	0.833071	-0.05671	0.954777	0.991192	ENSMUSG0 Ccno
ENSMUSG0	9.897777	0.047681	0.845432	0.056399	0.955024	0.991192	ENSMUSG0 Gm45220
ENSMUSG0	616.6298	-0.00861	0.152855	-0.05633	0.955076	0.991192	ENSMUSG0 Trmt2b
ENSMUSG0	589.7652	0.016598	0.294985	0.056266	0.95513	0.991192	ENSMUSG0 Msrb2
ENSMUSG0	52.71377	0.02517	0.44755	0.056239	0.955151	0.991192	ENSMUSG0 Gm14399
ENSMUSG0	69.71729	-0.02427	0.431666	-0.05623	0.955161	0.991192	ENSMUSG0 Lilrb4a
ENSMUSG0	62.00948	-0.02012	0.358673	-0.05611	0.955255	0.991192	ENSMUSG0 Cox4i2
ENSMUSG0	49.47637	-0.02052	0.365936	-0.05608	0.95528	0.991192	ENSMUSG0A930015DC
ENSMUSG0	280.5863	-0.0115	0.205067	-0.05606	0.955298	0.991192	ENSMUSG0 Zfp593
ENSMUSG0	5327.355	-0.01023	0.183007	-0.05589	0.955427	0.991192	ENSMUSG0 Tspan3
ENSMUSG0	2092.977	-0.01817	0.32562	-0.05581	0.955497	0.991192	ENSMUSG0 Ndubf7
ENSMUSG0	19721.62	0.009754	0.175497	0.05558	0.955677	0.991192	ENSMUSG0 Eif4g2
ENSMUSG0	599.5998	-0.01136	0.204738	-0.05551	0.955734	0.991192	ENSMUSG0 Vrk1
ENSMUSG0	6.925919	0.038096	0.688234	0.055353	0.955857	0.991192	ENSMUSG0 Raet1e
ENSMUSG0	994.9446	-0.01338	0.242015	-0.0553	0.955896	0.991192	ENSMUSG0 Otud7b
ENSMUSG0	909.0111	-0.00983	0.177795	-0.05527	0.955925	0.991192	ENSMUSG0 Tbc1d8
ENSMUSG0	73.46094	-0.02891	0.523342	-0.05525	0.955943	0.991192	ENSMUSG0 Oasl1
ENSMUSG0	1656.716	-0.0103	0.186661	-0.0552	0.955981	0.991192	ENSMUSG0 Pcmt2
ENSMUSG0	1346.885	-0.00871	0.158063	-0.05512	0.956044	0.991192	ENSMUSG0 Shoc2
ENSMUSG0	2541.393	0.006948	0.126148	0.055079	0.956076	0.991192	ENSMUSG0 Tsyp11
ENSMUSG0	3458.389	0.011741	0.213304	0.055044	0.956103	0.991192	ENSMUSG0 Ctsf

ENSMUSG0	3.484486	0.063244	1.151448	0.054925	0.956198	0.991192	ENSMUSG0 Gm3095
ENSMUSG0	378.678	0.012934	0.235499	0.05492	0.956202	0.991192	ENSMUSG0 Tank
ENSMUSG0	195.2373	-0.01211	0.220537	-0.05489	0.956225	0.991192	ENSMUSG05730480H0
ENSMUSG0	1072.611	0.008916	0.162481	0.054875	0.956238	0.991192	ENSMUSG0 Atp9b
ENSMUSG0	20.90206	0.023307	0.425067	0.054831	0.956273	0.991192	ENSMUSG0 Gm17494
ENSMUSG0	903.8748	0.008464	0.154653	0.05473	0.956354	0.991192	ENSMUSG0 Krit1
ENSMUSG0	2992.455	0.013648	0.249655	0.054666	0.956404	0.991192	ENSMUSG0 EglN2
ENSMUSG0	5.880095	0.158289	2.896937	0.05464	0.956425	0.991192	ENSMUSG0 Ighv3-5
ENSMUSG0	801.1984	-0.01517	0.278035	-0.05455	0.9565	0.991192	ENSMUSG0 Ssna1
ENSMUSG0	1149.686	-0.01568	0.287561	-0.05453	0.956512	0.991192	ENSMUSG0 Mef2a
ENSMUSG0	56.11479	-0.0229	0.420957	-0.0544	0.956615	0.991192	ENSMUSG0 AI182371
ENSMUSG0	184.8561	-0.01619	0.297645	-0.05439	0.956626	0.991192	ENSMUSG0 Ppih
ENSMUSG0	1171.271	-0.01039	0.191072	-0.05436	0.956647	0.991192	ENSMUSG0 Synj1
ENSMUSG0	1963.269	0.015449	0.284243	0.054353	0.956654	0.991192	ENSMUSG0 Arid4b
ENSMUSG0	1175.084	-0.01132	0.208433	-0.0543	0.956695	0.991192	ENSMUSG0 Nfxl1
ENSMUSG0	903.4162	-0.00986	0.181694	-0.05429	0.956708	0.991192	ENSMUSG0 Spag7
ENSMUSG0	568.4532	0.010947	0.201698	0.054274	0.956717	0.991192	ENSMUSG0 Fam219b
ENSMUSG0	498.9005	0.012892	0.237548	0.054271	0.956719	0.991192	ENSMUSG0 Dhx33
ENSMUSG0	563.7145	-0.01135	0.209204	-0.05426	0.956726	0.991192	ENSMUSG0 Itsn1
ENSMUSG0	5.787339	0.034084	0.628159	0.054261	0.956728	0.991192	ENSMUSG0 Gm37986
ENSMUSG0	2706.928	0.011756	0.216984	0.05418	0.956792	0.991192	ENSMUSG0 Mef2d
ENSMUSG0	1149.722	-0.02401	0.443403	-0.05414	0.956823	0.991192	ENSMUSG0 Mrpl33
ENSMUSG0	463.2924	-0.01594	0.295477	-0.05393	0.956988	0.99131	ENSMUSG0 Csnk1g1
ENSMUSG0	1974.723	-0.02046	0.383268	-0.05338	0.957426	0.991608	ENSMUSG0 Romo1
ENSMUSG0	4296.514	0.009	0.168781	0.053322	0.957475	0.991608	ENSMUSG0 Hnrnpf
ENSMUSG0	3.131718	-0.04527	0.850223	-0.05324	0.957538	0.991608	ENSMUSG0 Kbtbd12
ENSMUSG0	3.356346	-0.04933	0.928162	-0.05315	0.957616	0.991608	ENSMUSG0A730013GC
ENSMUSG0	387.5387	-0.01035	0.195018	-0.05307	0.957673	0.991608	ENSMUSG0 Cep68
ENSMUSG0	4.93004	0.054656	1.032107	0.052956	0.957767	0.991608	ENSMUSG0 Hs3st5
ENSMUSG0	832.513	-0.01385	0.262375	-0.0528	0.957893	0.991608	ENSMUSG0 Xpr1
ENSMUSG0	4225.53	0.009256	0.175443	0.05276	0.957923	0.991608	ENSMUSG0 Ilrun
ENSMUSG0	3.087407	0.052475	0.994894	0.052745	0.957935	0.991608	ENSMUSG0 Gm48627
ENSMUSG0	877.2524	0.009371	0.177876	0.052685	0.957983	0.991608	ENSMUSG0 Fbxo28
ENSMUSG0	174.8349	-0.01692	0.321146	-0.05268	0.957984	0.991608	ENSMUSG0 Gm10451
ENSMUSG0	710.326	0.009793	0.186072	0.052628	0.958028	0.991608	ENSMUSG0 Plekhn1
ENSMUSG0	677.7025	-0.00902	0.171375	-0.05262	0.958032	0.991608	ENSMUSG0 Ciapin1
ENSMUSG0	376.0079	-0.01374	0.261411	-0.05256	0.95808	0.991608	ENSMUSG0 Pdlm7
ENSMUSG0	335.2635	-0.01289	0.24583	-0.05245	0.958168	0.991608	ENSMUSG0 Apold1
ENSMUSG0	533.3697	-0.01249	0.238198	-0.05244	0.958176	0.991608	ENSMUSG0 Nup188
ENSMUSG0	14.52515	-0.03398	0.648372	-0.0524	0.958208	0.991608	ENSMUSG0 Gpr3
ENSMUSG0	274.5835	-0.02823	0.539607	-0.05231	0.958282	0.991608	ENSMUSG0 H2-Oa
ENSMUSG0	25.59578	-0.0299	0.572384	-0.05223	0.958342	0.991608	ENSMUSG0 Gm27029
ENSMUSG0	21.07713	0.0228	0.436495	0.052235	0.958342	0.991608	ENSMUSG0 Ska3
ENSMUSG0	68.09272	-0.03266	0.626221	-0.05216	0.958401	0.991608	ENSMUSG0 Ccl9
ENSMUSG0	341.4198	0.007498	0.143875	0.052117	0.958436	0.991608	ENSMUSG0 Trit1
ENSMUSG0	912.6924	-0.00649	0.124659	-0.05208	0.958461	0.991608	ENSMUSG0 Atmin
ENSMUSG0	5.216394	-0.04667	0.897453	-0.052	0.958531	0.991626	ENSMUSG0 Klra8
ENSMUSG0	238.3153	-0.01441	0.278236	-0.0518	0.958688	0.991736	ENSMUSG02610035D1
ENSMUSG0	270.1938	0.015496	0.300298	0.051603	0.958845	0.991806	ENSMUSG0 Prdm15
ENSMUSG0	2618.005	-0.01671	0.324005	-0.05156	0.958878	0.991806	ENSMUSG0 Timp3
ENSMUSG0	18.70424	0.036035	0.69943	0.05152	0.958911	0.991806	ENSMUSG0 Nnmt
ENSMUSG0	911.9086	0.011558	0.225214	0.051321	0.95907	0.991887	ENSMUSG0 Serpini1

ENSMUSG0	1175.291	-0.00852	0.166244	-0.05126	0.959119	0.991887	ENSMUSG0 Aktip
ENSMUSG0	844.1199	0.007932	0.154958	0.051188	0.959176	0.991887	ENSMUSG0 Lgals8
ENSMUSG0	70.66996	-0.02134	0.417299	-0.05113	0.959218	0.991887	ENSMUSG0 9430081H0
ENSMUSG0	65.44789	-0.02034	0.398098	-0.0511	0.959247	0.991887	ENSMUSG0 9230114K1
ENSMUSG0	4709.025	-0.00676	0.132808	-0.05093	0.959383	0.991964	ENSMUSG0 Mprip
ENSMUSG0	82.21888	0.024613	0.48449	0.050802	0.959484	0.991964	ENSMUSG0 A630001G2
ENSMUSG0	4.373106	0.044283	0.87324	0.050711	0.959556	0.991964	ENSMUSG0 Gm10561
ENSMUSG0	1338.47	0.016434	0.324253	0.050682	0.959579	0.991964	ENSMUSG0 Celsr3
ENSMUSG0	553.6937	0.007708	0.152435	0.050569	0.959669	0.991964	ENSMUSG0 Bmt2
ENSMUSG0	3.468645	0.052079	1.030077	0.050559	0.959677	0.991964	ENSMUSG0 2610028D0
ENSMUSG0	711.3443	-0.00672	0.132886	-0.05055	0.959682	0.991964	ENSMUSG0 Crtc3
ENSMUSG0	1424.926	-0.01248	0.247718	-0.05037	0.95983	0.992055	ENSMUSG0 Nelfe
ENSMUSG0	228.3585	-0.01764	0.350599	-0.05031	0.959874	0.992055	ENSMUSG0 AV356131
ENSMUSG0	168.0637	-0.01555	0.310336	-0.05012	0.96003	0.992128	ENSMUSG0 Acyp2
ENSMUSG0	414.8886	0.013306	0.265617	0.050095	0.960047	0.992128	ENSMUSG0 Npat
ENSMUSG0	600.0311	-0.01074	0.214787	-0.05	0.960125	0.992133	ENSMUSG0 Endov
ENSMUSG0	1598.459	-0.00936	0.187543	-0.04993	0.960182	0.992133	ENSMUSG0 Clpx
ENSMUSG0	3.592953	-0.04902	0.983261	-0.04985	0.960239	0.992133	ENSMUSG0 BC048644
ENSMUSG0	1135.258	-0.00711	0.142594	-0.04983	0.960258	0.992133	ENSMUSG0 Fam207a
ENSMUSG0	17.13493	-0.03564	0.718534	-0.04961	0.960436	0.992257	ENSMUSG0 Gm45033
ENSMUSG0	688.1865	0.013161	0.266186	0.049444	0.960566	0.992257	ENSMUSG0 Snapc2
ENSMUSG0	1366.442	0.005998	0.121588	0.049329	0.960657	0.992257	ENSMUSG0 Xpo6
ENSMUSG0	1306.017	0.013029	0.264375	0.049282	0.960695	0.992257	ENSMUSG0 Faap20
ENSMUSG0	600.9785	0.007046	0.143955	0.048945	0.960963	0.992257	ENSMUSG0 Stard3
ENSMUSG0	418.7075	-0.01209	0.247015	-0.04893	0.960971	0.992257	ENSMUSG0 Rrs1
ENSMUSG0	3.009043	-0.05973	1.221039	-0.04892	0.960986	0.992257	ENSMUSG0 Gm49395
ENSMUSG0	3340.371	0.009365	0.191471	0.048913	0.960989	0.992257	ENSMUSG0 Psip1
ENSMUSG0	1165.6	-0.01143	0.23367	-0.04891	0.960993	0.992257	ENSMUSG0 Sart3
ENSMUSG0	7.409178	0.043423	0.887947	0.048903	0.960997	0.992257	ENSMUSG0 Gm42611
ENSMUSG0	503.7236	0.011857	0.242576	0.04888	0.961015	0.992257	ENSMUSG0 Rnf169
ENSMUSG0	226.6423	0.024109	0.495803	0.048627	0.961217	0.992257	ENSMUSG0 Ifi209
ENSMUSG0	113.1672	-0.01844	0.379862	-0.04855	0.961282	0.992257	ENSMUSG0 Hdc
ENSMUSG0	104.8295	0.019721	0.406643	0.048497	0.96132	0.992257	ENSMUSG0 Urah
ENSMUSG0	246.9269	-0.01015	0.20931	-0.04848	0.961334	0.992257	ENSMUSG0 Smyd5
ENSMUSG0	10.64391	-0.02619	0.540185	-0.04848	0.961335	0.992257	ENSMUSG0 A530088E0
ENSMUSG0	460.3227	-0.00719	0.148336	-0.04844	0.961367	0.992257	ENSMUSG0 Mri1
ENSMUSG0	1598.558	0.011967	0.247159	0.048417	0.961384	0.992257	ENSMUSG0 Cylid
ENSMUSG0	818.2195	-0.01144	0.2363	-0.0484	0.961398	0.992257	ENSMUSG0 Upp1
ENSMUSG0	372.8737	0.012847	0.265516	0.048384	0.96141	0.992257	ENSMUSG0 Arap3
ENSMUSG0	6808.516	0.013542	0.280299	0.048314	0.961466	0.992261	ENSMUSG0 Usp9x
ENSMUSG0	4.622704	-0.0421	0.872782	-0.04823	0.961532	0.992275	ENSMUSG0 2900009J06
ENSMUSG0	16.0579	-0.02427	0.50439	-0.04813	0.961616	0.992275	ENSMUSG0 Vmn1r4
ENSMUSG0	229.8956	0.012656	0.263192	0.048086	0.961648	0.992275	ENSMUSG0 Hus1
ENSMUSG0	132.0246	0.010802	0.224858	0.048038	0.961686	0.992275	ENSMUSG0 Vcpkmt
ENSMUSG0	209.7228	-0.00867	0.18108	-0.04788	0.96181	0.99235	ENSMUSG0 Rad52
ENSMUSG0	6.370218	0.040145	0.840263	0.047776	0.961894	0.992384	ENSMUSG0 Gm36723
ENSMUSG0	8.763573	0.052248	1.099714	0.047511	0.962106	0.992497	ENSMUSG0 Defb42
ENSMUSG0	7.614193	-0.02855	0.601813	-0.04744	0.962162	0.992497	ENSMUSG0 Gm48889
ENSMUSG0	12.02549	-0.02637	0.556439	-0.0474	0.962195	0.992497	ENSMUSG0 Wee2
ENSMUSG0	15781.7	0.011769	0.24839	0.04738	0.96221	0.992497	ENSMUSG0 Rpl19
ENSMUSG0	5.765834	-0.05999	1.27613	-0.04701	0.962505	0.992679	ENSMUSG0 Gm16759
ENSMUSG0	789.8134	-0.00981	0.209163	-0.04688	0.962605	0.992679	ENSMUSG0 Tcf12

ENSMUSG0	5.12027	-0.03473	0.741452	-0.04684	0.962637	0.992679	ENSMUSG0 Gm37639
ENSMUSG0	7080.448	0.019613	0.419923	0.046706	0.962748	0.992679	ENSMUSG0 Atp5l
ENSMUSG0	21.01717	-0.05026	1.077872	-0.04663	0.962807	0.992679	ENSMUSG0 Il6
ENSMUSG0	847.8458	-0.01094	0.234861	-0.04658	0.962849	0.992679	ENSMUSG0 Arl6ip4
ENSMUSG0	3.871852	0.046316	0.995323	0.046533	0.962885	0.992679	ENSMUSG0 Gm14537
ENSMUSG0	1763.685	-0.0098	0.210989	-0.04646	0.962946	0.992679	ENSMUSG0 Dnajb2
ENSMUSG0	5.493653	-0.03112	0.670886	-0.04638	0.963006	0.992679	ENSMUSG0 Iqch
ENSMUSG0	79.73029	-0.02404	0.520147	-0.04621	0.963143	0.992679	ENSMUSG0 Capn9
ENSMUSG0	202.9224	0.015263	0.330439	0.046191	0.963158	0.992679	ENSMUSG0 Tet1
ENSMUSG0	519.2139	0.008615	0.186864	0.046103	0.963228	0.992679	ENSMUSG0 Polr3b
ENSMUSG0	421.9756	-0.00772	0.167696	-0.04606	0.963259	0.992679	ENSMUSG0 Asb7
ENSMUSG0	396.3223	0.009887	0.215016	0.045984	0.963323	0.992679	ENSMUSG0 Mcc
ENSMUSG0	12.65408	-0.04043	0.880645	-0.04591	0.963382	0.992679	ENSMUSG0 H2ac7
ENSMUSG0	2333.749	0.01054	0.229723	0.045881	0.963405	0.992679	ENSMUSG0 Arap1
ENSMUSG0	13.62309	-0.03225	0.703892	-0.04581	0.963459	0.992679	ENSMUSG0 Rgs18
ENSMUSG0	9.454153	-0.02978	0.650531	-0.04578	0.963485	0.992679	ENSMUSG0 Gm47140
ENSMUSG0	9303.843	0.00806	0.176703	0.045615	0.963617	0.992679	ENSMUSG0 Tgln1
ENSMUSG0	559.028	0.010755	0.235838	0.045603	0.963627	0.992679	ENSMUSG0 Ift88
ENSMUSG0	159.1705	-0.01211	0.266628	-0.04541	0.963784	0.992679	ENSMUSG0 Pcdhb22
ENSMUSG0	70.37253	0.013355	0.294245	0.045387	0.963799	0.992679	ENSMUSG0 Pus7l
ENSMUSG0	11.88209	-0.02218	0.489681	-0.04529	0.963872	0.992679	ENSMUSG0 Lrrc70
ENSMUSG0	3.496127	-0.04268	0.942545	-0.04528	0.963881	0.992679	ENSMUSG0 9230111E0
ENSMUSG0	912.3496	0.008569	0.189397	0.045244	0.963913	0.992679	ENSMUSG0 Otulin
ENSMUSG0	1269.662	-0.00888	0.196793	-0.04513	0.964006	0.992679	ENSMUSG0 Dvl1
ENSMUSG0	1804.975	-0.00998	0.22182	-0.04501	0.9641	0.992679	ENSMUSG0 Xpo1
ENSMUSG0	145.1678	-0.01055	0.234415	-0.045	0.964105	0.992679	ENSMUSG0 BC002059
ENSMUSG0	4.815005	-0.04367	0.97275	-0.04489	0.964191	0.992679	ENSMUSG0 Gm43480
ENSMUSG0	13.30364	0.026467	0.589901	0.044867	0.964213	0.992679	ENSMUSG0 Gm42870
ENSMUSG0	28.69182	0.019049	0.42516	0.044803	0.964264	0.992679	ENSMUSG0 Gm28557
ENSMUSG0	1328.163	0.009349	0.208831	0.044768	0.964292	0.992679	ENSMUSG0 Spty2d1
ENSMUSG0	26.60119	0.018786	0.419687	0.044762	0.964297	0.992679	ENSMUSG0 2500002B1
ENSMUSG0	6.755009	0.031064	0.69605	0.044629	0.964403	0.992679	ENSMUSG0 Cby3
ENSMUSG0	30.83424	0.015309	0.343686	0.044543	0.964472	0.992679	ENSMUSG0 Gm21986
ENSMUSG0	41.54251	-0.02661	0.597921	-0.0445	0.964508	0.992679	ENSMUSG0 Gm47739
ENSMUSG0	234.7982	-0.01041	0.234093	-0.04448	0.964518	0.992679	ENSMUSG0 Fgd1
ENSMUSG0	3196.991	-0.02125	0.479183	-0.04434	0.96463	0.992679	ENSMUSG0 Gm4332
ENSMUSG0	1140.947	0.012573	0.284475	0.044197	0.964747	0.992679	ENSMUSG0 Phf5a
ENSMUSG0	2406.432	-0.00683	0.154862	-0.04412	0.964808	0.992679	ENSMUSG0 Gcn1
ENSMUSG0	996.4906	0.010021	0.227518	0.044047	0.964867	0.992679	ENSMUSG0 Slmap
ENSMUSG0	1591.02	0.008835	0.200644	0.044032	0.964879	0.992679	ENSMUSG0 Upf1
ENSMUSG0	352.5567	-0.00942	0.213846	-0.04403	0.96488	0.992679	ENSMUSG0 Uchl3
ENSMUSG0	130.4907	0.013216	0.300297	0.04401	0.964896	0.992679	ENSMUSG0 Nphp3
ENSMUSG0	16745.64	0.011177	0.254296	0.043954	0.964941	0.992679	ENSMUSG0 Scg5
ENSMUSG0	18.57802	-0.02629	0.598738	-0.04392	0.964971	0.992679	ENSMUSG0 Capza1-ps1
ENSMUSG0	14.67553	0.021396	0.487216	0.043914	0.964973	0.992679	ENSMUSG0 A330041J2
ENSMUSG0	1845.092	-0.01799	0.409757	-0.04391	0.964979	0.992679	ENSMUSG0 Atp5mpl
ENSMUSG0	1027.937	0.009471	0.215751	0.043896	0.964987	0.992679	ENSMUSG0 Creb1
ENSMUSG0	423.005	0.015217	0.347417	0.0438	0.965064	0.992679	ENSMUSG0 Cttnbp2
ENSMUSG0	2.962568	0.065167	1.489689	0.043745	0.965108	0.992679	ENSMUSG0 AU022754
ENSMUSG0	956.1031	0.010795	0.246869	0.043727	0.965122	0.992679	ENSMUSG0 Gm46620
ENSMUSG0	1236.179	0.023655	0.542271	0.043623	0.965205	0.992695	ENSMUSG0 Rps13-ps2
ENSMUSG0	3188.53	0.017385	0.398941	0.043578	0.965241	0.992695	ENSMUSG0 Ndufa2

ENSMUSG0	6.948847	-0.02965	0.692947	-0.04279	0.965867	0.993286	ENSMUSG04732419C1
ENSMUSG0	483.659	-0.00684	0.160084	-0.04272	0.965927	0.993294	ENSMUSG0 Dcakd
ENSMUSG0	1750.494	0.005832	0.136759	0.042647	0.965983	0.993299	ENSMUSG0Tmem229b
ENSMUSG0	170.9399	-0.01222	0.287218	-0.04255	0.966058	0.993323	ENSMUSG0 Rpa3
ENSMUSG0	318.2333	-0.06849	1.625297	-0.04214	0.966385	0.993607	ENSMUSG0 Igkv8-16
ENSMUSG0	656.7563	0.006784	0.161554	0.041992	0.966505	0.993677	ENSMUSG0 Smarcd1
ENSMUSG0	432.9474	0.011198	0.267141	0.041919	0.966563	0.993683	ENSMUSG0 Rsph9
ENSMUSG0	811.3033	-0.01193	0.285199	-0.04183	0.966637	0.993697	ENSMUSG0 Ctnnbip1
ENSMUSG0	1663.478	-0.00512	0.122714	-0.04169	0.966746	0.993697	ENSMUSG0 Trappc11
ENSMUSG0	301.766	-0.00794	0.190497	-0.04167	0.966762	0.993697	ENSMUSG0 Lmbr1
ENSMUSG0	8.827441	-0.03646	0.880262	-0.04142	0.966957	0.993697	ENSMUSG0 Gm19585
ENSMUSG0	62.33788	0.013028	0.314725	0.041396	0.96698	0.993697	ENSMUSG0 Gm42984
ENSMUSG0	80.81708	-0.00942	0.227601	-0.04139	0.966987	0.993697	ENSMUSG05330413P1
ENSMUSG0	101.4514	0.01786	0.431635	0.041379	0.966994	0.993697	ENSMUSG0 Gm609
ENSMUSG0	2649.987	0.006389	0.155439	0.041103	0.967213	0.993697	ENSMUSG0 Nap1l4
ENSMUSG0	2416.788	0.007146	0.173887	0.041098	0.967217	0.993697	ENSMUSG0 Bcr
ENSMUSG0	1298.24	-0.00861	0.209682	-0.04106	0.967246	0.993697	ENSMUSG0 Hdgfl2
ENSMUSG0	975.243	0.004606	0.112419	0.040975	0.967316	0.993697	ENSMUSG0 Fbxw2
ENSMUSG0	258.8487	0.021613	0.529416	0.040824	0.967436	0.993697	ENSMUSG0 Acp5
ENSMUSG0	727.7811	0.007312	0.179434	0.040753	0.967493	0.993697	ENSMUSG0 Rfx7
ENSMUSG0	115818.8	-0.00639	0.156862	-0.04073	0.967509	0.993697	ENSMUSG0 Eef1a1
ENSMUSG0	3.611096	0.037064	0.910988	0.040685	0.967547	0.993697	ENSMUSG0 Gm29773
ENSMUSG0	55.53582	-0.01099	0.270299	-0.04067	0.967561	0.993697	ENSMUSG0D930048N1
ENSMUSG0	1568.846	0.016413	0.404837	0.040543	0.96766	0.993697	ENSMUSG0 Tbcdb
ENSMUSG0	4.723112	0.038642	0.954199	0.040497	0.967697	0.993697	ENSMUSG0 Gm29358
ENSMUSG0	4.820758	0.03899	0.96388	0.040451	0.967733	0.993697	ENSMUSG0 Sh3rf2
ENSMUSG0	946.3685	-0.00919	0.227626	-0.04036	0.967805	0.993697	ENSMUSG0 Taf3
ENSMUSG0	22.12266	-0.02184	0.541156	-0.04035	0.96781	0.993697	ENSMUSG0 Zfp69
ENSMUSG0	6.937683	-0.03121	0.773969	-0.04033	0.967833	0.993697	ENSMUSG0 Tfr2
ENSMUSG0	2.935709	-0.05772	1.432682	-0.04029	0.967864	0.993697	ENSMUSG0 Nts
ENSMUSG0	978.7512	-0.00699	0.173611	-0.04027	0.96788	0.993697	ENSMUSG0 Cops6
ENSMUSG0	4.685097	-0.03456	0.859029	-0.04023	0.96791	0.993697	ENSMUSG0 Mc1r
ENSMUSG0	3683.237	0.0091	0.226487	0.04018	0.96795	0.993697	ENSMUSG0 Cadps
ENSMUSG0	7512.397	0.012002	0.298905	0.040153	0.967971	0.993697	ENSMUSG0 Sod1
ENSMUSG0	7.904336	-0.02627	0.65769	-0.03994	0.96814	0.993705	ENSMUSG01700124L1l
ENSMUSG0	7768.024	-0.00939	0.235087	-0.03993	0.968145	0.993705	ENSMUSG0 Nap1l1
ENSMUSG0	391.6287	-0.00595	0.148996	-0.03991	0.968168	0.993705	ENSMUSG0 Tango2
ENSMUSG0	451.5285	0.006801	0.170837	0.039812	0.968243	0.993705	ENSMUSG0 Brat1
ENSMUSG0	128.8421	-0.01046	0.263241	-0.03973	0.968311	0.993705	ENSMUSG0 Zfp39
ENSMUSG0	53.65747	0.014489	0.364893	0.039709	0.968325	0.993705	ENSMUSG0 Mir99ahg
ENSMUSG0	248.0448	0.008685	0.21912	0.039638	0.968382	0.993705	ENSMUSG0 Limk1
ENSMUSG0	474.0882	0.006916	0.17458	0.039613	0.968401	0.993705	ENSMUSG0 U2af1l4
ENSMUSG0	747.3779	-0.01006	0.254342	-0.03956	0.968445	0.993705	ENSMUSG0 Plxna2
ENSMUSG0	225.9454	-0.00951	0.240872	-0.0395	0.968495	0.993705	ENSMUSG0 Zfp141
ENSMUSG0	307.5548	-0.0078	0.198269	-0.03935	0.968615	0.993774	ENSMUSG0 Lrrc20
ENSMUSG0	932.4737	-0.00846	0.215916	-0.03919	0.968736	0.993846	ENSMUSG0 Rnf168
ENSMUSG0	4.335995	0.034646	0.888867	0.038977	0.968909	0.993945	ENSMUSG0 Necab3
ENSMUSG0	201.6292	-0.01075	0.276077	-0.03894	0.968939	0.993945	ENSMUSG0Tmem106a
ENSMUSG0	777.9319	-0.00682	0.175677	-0.03881	0.969043	0.993945	ENSMUSG0 Ikbkg
ENSMUSG0	328.5482	-0.00902	0.232939	-0.03873	0.969107	0.993945	ENSMUSG0 Gtpbp8
ENSMUSG0	57.7432	0.014397	0.372523	0.038647	0.969172	0.993945	ENSMUSG0 Pimreg
ENSMUSG0	373.9891	0.004925	0.127809	0.038537	0.969259	0.993945	ENSMUSG0 Bbs9

ENSMUSG0	154.1639	-0.01069	0.277701	-0.03849	0.9693	0.993945	ENSMUSG0A530017D2
ENSMUSG0	4.317729	-0.02731	0.710908	-0.03842	0.969354	0.993945	ENSMUSG02210039B0
ENSMUSG0	30.68976	-0.02029	0.528446	-0.0384	0.969371	0.993945	ENSMUSG0Tmem72
ENSMUSG0	5.820113	0.028692	0.747555	0.038381	0.969384	0.993945	ENSMUSG0Ccde177
ENSMUSG0	857.3147	-0.00557	0.145214	-0.03835	0.969406	0.993945	ENSMUSG0Kat5
ENSMUSG0	188.4694	0.008454	0.220774	0.038294	0.969453	0.993945	ENSMUSG0Panx2
ENSMUSG0	465.4175	-0.00494	0.130407	-0.03787	0.969795	0.994243	ENSMUSG0Dnaaf5
ENSMUSG0	1536.599	-0.00808	0.215111	-0.03757	0.970031	0.994428	ENSMUSG0Arfp1
ENSMUSG0	32.98152	0.017486	0.466453	0.037486	0.970097	0.994428	ENSMUSG0Armc2
ENSMUSG0	7423.71	0.01234	0.330924	0.037289	0.970254	0.994428	ENSMUSG0Dusp1
ENSMUSG0	434.9165	0.010045	0.269806	0.037229	0.970303	0.994428	ENSMUSG0Zscan29
ENSMUSG0	842.3883	0.005932	0.160313	0.037002	0.970484	0.994428	ENSMUSG0Rfc1
ENSMUSG0	613.4611	-0.00755	0.204642	-0.03689	0.970574	0.994428	ENSMUSG0Gtf2ird1
ENSMUSG0	24.14596	0.016702	0.455228	0.036689	0.970733	0.994428	ENSMUSG0Gm43681
ENSMUSG0	5.256624	0.038562	1.051105	0.036687	0.970734	0.994428	ENSMUSG0Gm38375
ENSMUSG0	486.3048	-0.00557	0.152104	-0.03662	0.970791	0.994428	ENSMUSG0Bloc1s6
ENSMUSG0	3.52644	0.039479	1.081642	0.036499	0.970885	0.994428	ENSMUSG0Il12rb2
ENSMUSG0	688.2297	0.012098	0.331566	0.036489	0.970893	0.994428	ENSMUSG0Pwwp3b
ENSMUSG0	612.0739	0.013528	0.37124	0.036441	0.97093	0.994428	ENSMUSG0Psmb9
ENSMUSG0	14.97339	0.038362	1.053085	0.036428	0.970941	0.994428	ENSMUSG0Gm3892
ENSMUSG0	1242.543	0.00616	0.169238	0.036401	0.970963	0.994428	ENSMUSG0Mzt1
ENSMUSG0	2855.291	-0.00675	0.185676	-0.03633	0.971017	0.994428	ENSMUSG0Eif3h
ENSMUSG0	6.065444	-0.04461	1.228551	-0.03631	0.971032	0.994428	ENSMUSG0Ighv5-4
ENSMUSG0	1086.237	0.006691	0.184392	0.036287	0.971054	0.994428	ENSMUSG0N4bp1
ENSMUSG0	2048.981	-0.00952	0.262768	-0.03621	0.971114	0.994428	ENSMUSG0Rheb
ENSMUSG0	338.4848	0.009267	0.256901	0.036072	0.971225	0.994428	ENSMUSG0Sc1t1
ENSMUSG0	13015.68	0.012465	0.345764	0.036049	0.971243	0.994428	ENSMUSG0Ppia
ENSMUSG0	39.79107	-0.01001	0.277839	-0.03603	0.971258	0.994428	ENSMUSG0Gm3604
ENSMUSG0	189.4021	0.014228	0.394913	0.036027	0.971261	0.994428	ENSMUSG0Tcea3
ENSMUSG0	5.899384	0.026527	0.736464	0.036019	0.971267	0.994428	ENSMUSG0Catsper3
ENSMUSG0	5205.588	-0.01477	0.410769	-0.03596	0.971318	0.994428	ENSMUSG0Rps12-ps3
ENSMUSG0	7635.674	0.005734	0.15947	0.035954	0.971319	0.994428	ENSMUSG0Fkbp9
ENSMUSG0	15.06547	0.019035	0.529432	0.035953	0.971319	0.994428	ENSMUSG04930519K1
ENSMUSG0	633.1397	0.01331	0.372646	0.035718	0.971507	0.994567	ENSMUSG0Hipk2
ENSMUSG0	159.1879	-0.00747	0.209964	-0.03557	0.971623	0.99463	ENSMUSG0Irak4
ENSMUSG0	1055.919	0.007987	0.22492	0.035511	0.971672	0.99463	ENSMUSG0Tsr2
ENSMUSG0	563.2774	0.008435	0.238692	0.03534	0.971808	0.994691	ENSMUSG0Zfand2a
ENSMUSG0	1173.653	0.010557	0.299006	0.035306	0.971835	0.994691	ENSMUSG0Nt5dc3
ENSMUSG0	1720.836	-0.00645	0.184222	-0.03499	0.972086	0.994719	ENSMUSG0Wac
ENSMUSG0	482.2072	-0.00928	0.265715	-0.03493	0.972139	0.994719	ENSMUSG0Perp
ENSMUSG0	740.3521	0.008089	0.231704	0.034912	0.97215	0.994719	ENSMUSG0Ppp2r3a
ENSMUSG0	14.68845	0.01653	0.475418	0.034769	0.972264	0.994719	ENSMUSG0Gm42815
ENSMUSG0	16.5257	0.020722	0.598139	0.034644	0.972364	0.994719	ENSMUSG05830444F1
ENSMUSG0	236.7336	0.006947	0.201207	0.034528	0.972456	0.994719	ENSMUSG0Tmem38b
ENSMUSG0	85.7122	-0.00982	0.2847	-0.03448	0.972498	0.994719	ENSMUSG0Efcab7
ENSMUSG0	3.770609	-0.02755	0.801294	-0.03438	0.97257	0.994719	ENSMUSG0Gm10282
ENSMUSG0	204.9254	0.007331	0.213887	0.034276	0.972657	0.994719	ENSMUSG0Slx4ip
ENSMUSG0	3363.811	0.008841	0.25814	0.03425	0.972678	0.994719	ENSMUSG0Cct3
ENSMUSG0	315.4448	0.005176	0.151573	0.034151	0.972757	0.994719	ENSMUSG0Osgin2
ENSMUSG0	144.6578	-0.01181	0.346702	-0.03407	0.972818	0.994719	ENSMUSG0Xaf1
ENSMUSG0	2265.066	0.005127	0.150889	0.033977	0.972895	0.994719	ENSMUSG0Cmas
ENSMUSG0	835.6865	0.008207	0.242326	0.033866	0.972984	0.994719	ENSMUSG0Acaca

ENSMUSG0	1115.934	-0.00437	0.129008	-0.03385	0.972995	0.994719	ENSMUSG0 Elmo3
ENSMUSG0	40.16931	-0.09777	2.889106	-0.03384	0.973005	0.994719	ENSMUSG0 Gm7332
ENSMUSG0	2088.676	0.00775	0.229356	0.03379	0.973044	0.994719	ENSMUSG0 Neo1
ENSMUSG0	4.263841	-0.0324	0.962714	-0.03365	0.973154	0.994719	ENSMUSG0 Gm49971
ENSMUSG0	3604.451	-0.00564	0.168362	-0.03353	0.973255	0.994719	ENSMUSG0 Enpp5
ENSMUSG0	10.07387	0.029314	0.876821	0.033432	0.97333	0.994719	ENSMUSG0 Rpl10-ps6
ENSMUSG0	754.2998	0.009173	0.27445	0.033425	0.973336	0.994719	ENSMUSG0 Golph3l
ENSMUSG0	1998.271	0.007438	0.222584	0.033418	0.973341	0.994719	ENSMUSG0 Psmc5
ENSMUSG0	205.6762	0.007444	0.223272	0.033341	0.973403	0.994719	ENSMUSG0 Prim1
ENSMUSG0	6.090126	0.028634	0.860744	0.033266	0.973462	0.994719	ENSMUSG0 Tcap
ENSMUSG0	1517.796	0.012008	0.361413	0.033225	0.973495	0.994719	ENSMUSG0 H2az2
ENSMUSG0	5.583016	0.021151	0.636928	0.033208	0.973509	0.994719	ENSMUSG0A530064N1
ENSMUSG0	8.405553	-0.01696	0.513782	-0.03301	0.973664	0.994719	ENSMUSG0 Gm37940
ENSMUSG0	279.1444	-0.00574	0.174042	-0.03296	0.973706	0.994719	ENSMUSG0 Rnpc3
ENSMUSG0	1546.246	0.005751	0.174484	0.032958	0.973708	0.994719	ENSMUSG0 Cdkn1b
ENSMUSG0	25.90867	0.012877	0.390938	0.032939	0.973724	0.994719	ENSMUSG0 Gm16001
ENSMUSG0	1043.929	-0.00752	0.228249	-0.03294	0.973724	0.994719	ENSMUSG0 Tmem130
ENSMUSG0	2063.182	-0.00819	0.24864	-0.03292	0.973736	0.994719	ENSMUSG0 Zbtb7a
ENSMUSG0	71.97304	0.009029	0.274581	0.032882	0.973769	0.994719	ENSMUSG0 Zfp964
ENSMUSG0	105.85	0.007424	0.225977	0.032854	0.973791	0.994719	ENSMUSG0 Ube2n-ps1
ENSMUSG0	5.362786	0.02415	0.735474	0.032836	0.973806	0.994719	ENSMUSG0 Gm44189
ENSMUSG0	210.7325	-0.0103	0.313939	-0.03282	0.973818	0.994719	ENSMUSG0 Col11a2
ENSMUSG0	22215.3	0.006393	0.194939	0.032793	0.97384	0.994719	ENSMUSG0 Rpl8
ENSMUSG0	341.6374	-0.00914	0.278832	-0.03279	0.97384	0.994719	ENSMUSG0 Rida
ENSMUSG0	693.4681	-0.00666	0.203837	-0.03268	0.97393	0.994719	ENSMUSG0 Ngdn
ENSMUSG0	107.6252	0.010079	0.309454	0.032571	0.974016	0.994719	ENSMUSG0 Ccnj
ENSMUSG0	8908.176	-0.00588	0.180519	-0.03255	0.97403	0.994719	ENSMUSG0 Cltc
ENSMUSG0	17.78931	0.013362	0.410814	0.032527	0.974052	0.994719	ENSMUSG0 Gm12992
ENSMUSG0	49.07102	0.011377	0.350406	0.032467	0.9741	0.994719	ENSMUSG0A930012O1
ENSMUSG0	250.5872	0.006046	0.186692	0.032383	0.974166	0.994719	ENSMUSG0 Mbip
ENSMUSG0	3731.805	0.004269	0.132151	0.032304	0.97423	0.994719	ENSMUSG0 Scarb2
ENSMUSG0	347.0093	0.009882	0.306128	0.032282	0.974248	0.994719	ENSMUSG0 Cblc
ENSMUSG0	376.6112	0.005656	0.175534	0.03222	0.974297	0.994719	ENSMUSG0 Ccdc43
ENSMUSG0	6.241396	0.021027	0.655331	0.032086	0.974403	0.994719	ENSMUSG0 Gm47097
ENSMUSG0	847.3709	0.009306	0.290125	0.032075	0.974412	0.994719	ENSMUSG0 Pum3
ENSMUSG0	13.41327	-0.0196	0.615967	-0.03183	0.974611	0.994719	ENSMUSG0 Gm5559
ENSMUSG0	4.540065	-0.0269	0.847677	-0.03173	0.974685	0.994719	ENSMUSG0 Gm34388
ENSMUSG0	31.39742	0.014552	0.459185	0.031691	0.974719	0.994719	ENSMUSG01700007K1
ENSMUSG0	247.5195	0.009373	0.295827	0.031684	0.974724	0.994719	ENSMUSG0 Pdik1l
ENSMUSG0	1736.189	0.005294	0.167565	0.031595	0.974795	0.994719	ENSMUSG0 Prr12
ENSMUSG0	26.71878	-0.01329	0.420697	-0.03158	0.974804	0.994719	ENSMUSG0 Aqp8
ENSMUSG0	41.32342	-0.01033	0.327384	-0.03154	0.97484	0.994719	ENSMUSG0 Tnfrsf26
ENSMUSG0	288.7355	-0.0048	0.153983	-0.03116	0.975141	0.994719	ENSMUSG0 Pomt1
ENSMUSG0	1675.192	-0.00623	0.20055	-0.03107	0.975212	0.994719	ENSMUSG0 Zfp207
ENSMUSG0	162.8824	-0.00572	0.184765	-0.03095	0.975313	0.994719	ENSMUSG0 Comtd1
ENSMUSG0	763.2694	0.005667	0.183138	0.030941	0.975316	0.994719	ENSMUSG0 Med23
ENSMUSG0	474.9505	-0.00412	0.133452	-0.03087	0.975372	0.994719	ENSMUSG0 Usp39
ENSMUSG0	212.5383	0.005226	0.16942	0.030846	0.975392	0.994719	ENSMUSG0 Abcd4
ENSMUSG0	24.61361	-0.01351	0.439113	-0.03076	0.975464	0.994719	ENSMUSG02310043P1
ENSMUSG0	1289.838	-0.00577	0.187742	-0.03075	0.975469	0.994719	ENSMUSG0 Camk2n2
ENSMUSG0	3157.564	0.008508	0.276686	0.03075	0.975469	0.994719	ENSMUSG0 Cirbp
ENSMUSG0	224.7234	0.009666	0.315228	0.030663	0.975539	0.994719	ENSMUSG0 Zfp420

ENSMUSG0	37.08219	-0.00934	0.304637	-0.03066	0.97554	0.994719	ENSMUSG03830408C2
ENSMUSG0	13.99601	-0.01811	0.592419	-0.03056	0.975617	0.994719	ENSMUSG0C230035116
ENSMUSG0	3.784126	0.037563	1.23054	0.030525	0.975648	0.994719	ENSMUSG01700047M1
ENSMUSG0	40.18796	-0.01425	0.467697	-0.03047	0.975695	0.994719	ENSMUSG0E330034L1
ENSMUSG0	5.099112	-0.03157	1.037705	-0.03043	0.975726	0.994719	ENSMUSG0 Gm42869
ENSMUSG0	503.4082	0.008491	0.279245	0.030407	0.975742	0.994719	ENSMUSG0 Ppp1r35
ENSMUSG0	3.476356	0.029276	0.963695	0.030379	0.975765	0.994719	ENSMUSG0 Gm20541
ENSMUSG0	499.6852	-0.00702	0.231157	-0.03037	0.975774	0.994719	ENSMUSG0 Tnik
ENSMUSG0	3909.944	-0.00376	0.123976	-0.03034	0.975793	0.994719	ENSMUSG0 Plid3
ENSMUSG0	6.13604	0.038629	1.279196	0.030198	0.975909	0.994739	ENSMUSG0 Gm13394
ENSMUSG0	1348.803	0.003642	0.120757	0.030158	0.975941	0.994739	ENSMUSG0 Impa1
ENSMUSG0	1043.487	-0.00494	0.164322	-0.03004	0.976032	0.994739	ENSMUSG0 Mtf1
ENSMUSG0	975.195	-0.00739	0.246662	-0.02998	0.976086	0.994739	ENSMUSG0 Mpdu1
ENSMUSG0	277.3534	-0.0071	0.237452	-0.02992	0.976134	0.994739	ENSMUSG0 Nln
ENSMUSG0	450.6218	0.007142	0.239154	0.029864	0.976175	0.994739	ENSMUSG0 Rgs17
ENSMUSG0	2835.342	-0.008	0.270172	-0.02963	0.976363	0.994739	ENSMUSG0 Zfp106
ENSMUSG0	171.4015	-0.01168	0.394522	-0.02961	0.976377	0.994739	ENSMUSG0 Ccna2
ENSMUSG0	505.8109	0.006003	0.202792	0.029603	0.976383	0.994739	ENSMUSG0 Ing5
ENSMUSG0	1313.592	0.005571	0.188288	0.029587	0.976397	0.994739	ENSMUSG0 Tbc1d9
ENSMUSG0	10.226	-0.03132	1.060683	-0.02953	0.976444	0.994739	ENSMUSG0C730027H1
ENSMUSG0	2429.101	0.006672	0.226032	0.029518	0.976451	0.994739	ENSMUSG0 Picalm
ENSMUSG0	1255.051	0.005449	0.185322	0.029405	0.976542	0.994739	ENSMUSG0 Scaf8
ENSMUSG0	4023.246	-0.00542	0.184399	-0.0294	0.976542	0.994739	ENSMUSG0 Arpc2
ENSMUSG0	1070.889	-0.00401	0.136652	-0.02934	0.976592	0.994739	ENSMUSG0 Acadl
ENSMUSG0	1011.259	0.006306	0.215835	0.029215	0.976693	0.994739	ENSMUSG0 Zcchc14
ENSMUSG0	1138.938	-0.00419	0.143972	-0.02912	0.976771	0.994739	ENSMUSG0 Cnppd1
ENSMUSG0	186.4487	0.004791	0.164901	0.029055	0.97682	0.994739	ENSMUSG0 Sco1
ENSMUSG0	2312.146	0.006795	0.233865	0.029054	0.976822	0.994739	ENSMUSG0 Kdm2a
ENSMUSG0	340.881	-0.00776	0.267254	-0.02902	0.976847	0.994739	ENSMUSG0 Pign
ENSMUSG0	18.46949	-0.01532	0.530188	-0.0289	0.976948	0.99479	ENSMUSG0 Fxyd2
ENSMUSG0	732.1613	-0.00776	0.271739	-0.02857	0.977211	0.995005	ENSMUSG0 Cyb561a3
ENSMUSG0	1115.47	-0.0055	0.1932	-0.02847	0.977286	0.995028	ENSMUSG0 Psmd14
ENSMUSG0	233.7071	-0.0067	0.236942	-0.0283	0.977425	0.995118	ENSMUSG0 Hcn3
ENSMUSG0	16497.65	-0.00459	0.163131	-0.02814	0.977554	0.995132	ENSMUSG0 Spock2
ENSMUSG0	530.6913	-0.00477	0.169737	-0.02811	0.977576	0.995132	ENSMUSG0 Numbl
ENSMUSG0	3.527963	0.021345	0.761858	0.028017	0.977648	0.995132	ENSMUSG04933425D2
ENSMUSG0	387.7104	-0.00584	0.20864	-0.028	0.977659	0.995132	ENSMUSG0 Ints14
ENSMUSG0	58.13066	0.01224	0.43988	0.027826	0.977801	0.995132	ENSMUSG0 Gm44597
ENSMUSG0	1877	0.007557	0.272358	0.027746	0.977865	0.995132	ENSMUSG0 Epm2aip1
ENSMUSG0	387.7851	0.004744	0.1712	0.027712	0.977892	0.995132	ENSMUSG0 Susd4
ENSMUSG0	274.2719	0.008744	0.316629	0.027616	0.977968	0.995132	ENSMUSG0 Slc9a7
ENSMUSG0	4.410059	-0.03925	1.422371	-0.0276	0.977983	0.995132	ENSMUSG0 Tfec
ENSMUSG0	11.97616	0.022103	0.801565	0.027574	0.978002	0.995132	ENSMUSG0 Gm20394
ENSMUSG0	34.48163	-0.01364	0.494788	-0.02757	0.978008	0.995132	ENSMUSG0 Gm22009
ENSMUSG0	3.074247	-0.02786	1.013478	-0.02749	0.978072	0.995144	ENSMUSG0 Slc16a4
ENSMUSG0	3.593335	-0.03309	1.210482	-0.02734	0.978189	0.99521	ENSMUSG0 Gm37357
ENSMUSG0	107.5074	0.006473	0.239103	0.027073	0.978402	0.995374	ENSMUSG0 Hexim2
ENSMUSG0	28.12101	0.00802	0.298082	0.026906	0.978535	0.995438	ENSMUSG0 Gm15879
ENSMUSG0	3.730914	-0.02687	1.000264	-0.02686	0.978568	0.995438	ENSMUSG0 Gm27252
ENSMUSG0	384.0599	-0.00519	0.194842	-0.02662	0.978759	0.99558	ENSMUSG0 Fbxl12
ENSMUSG0	61.25996	-0.00869	0.328085	-0.02648	0.978878	0.995605	ENSMUSG0 Gpr4
ENSMUSG0	1797.018	-0.00351	0.13303	-0.02641	0.978928	0.995605	ENSMUSG0 Rnf220

ENSMUSG0	3521.7	-0.0046	0.174426	-0.02636	0.978967	0.995605	ENSMUSG0 Jak1
ENSMUSG0	85.04436	0.008307	0.31544	0.026334	0.978991	0.995605	ENSMUSG0 Gm14295
ENSMUSG0	500.5065	0.0039	0.148661	0.026236	0.979069	0.995632	ENSMUSG0 Sppl2b
ENSMUSG0	216.6906	-0.00632	0.241669	-0.02615	0.97914	0.995638	ENSMUSG0 Nipa1
ENSMUSG0	963.4152	0.00792	0.303576	0.026089	0.979187	0.995638	ENSMUSG0 Ccdc186
ENSMUSG0	461.31	0.007089	0.272303	0.026034	0.97923	0.995638	ENSMUSG01700030C1
ENSMUSG0	94.33211	0.0078	0.301175	0.025898	0.979339	0.995696	ENSMUSG0 Poc1a
ENSMUSG0	542.528	0.004061	0.157562	0.025776	0.979436	0.995729	ENSMUSG0 Armh3
ENSMUSG0	490.6511	0.009258	0.362965	0.025508	0.97965	0.995729	ENSMUSG0 Ric1
ENSMUSG0	56.44846	0.008203	0.321765	0.025493	0.979661	0.995729	ENSMUSG0 Zfp820
ENSMUSG0	23.06471	0.009416	0.369667	0.025472	0.979679	0.995729	ENSMUSG0 Gm12474
ENSMUSG0	1992.065	0.006389	0.25106	0.025448	0.979698	0.995729	ENSMUSG0 Smc3
ENSMUSG0	3.462221	-0.03169	1.246159	-0.02543	0.979709	0.995729	ENSMUSG0 Atp2a1
ENSMUSG0	1187.934	-0.00444	0.17488	-0.0254	0.979734	0.995729	ENSMUSG0 Gatd3a
ENSMUSG0	29.82328	-0.00998	0.394104	-0.02533	0.979792	0.995735	ENSMUSG0 Cenpk
ENSMUSG0	21.77773	-0.02369	0.939703	-0.02521	0.979884	0.995738	ENSMUSG0 Gm2663
ENSMUSG0	104.463	-0.00709	0.281714	-0.02518	0.979908	0.995738	ENSMUSG0 Abraxas1
ENSMUSG0	25.66269	-0.01604	0.638279	-0.02513	0.97995	0.995738	ENSMUSG0 Gm13092
ENSMUSG0	98.26765	-0.01472	0.589947	-0.02496	0.980088	0.995799	ENSMUSG0 Fbln1
ENSMUSG0	559.6905	0.008387	0.337704	0.024836	0.980186	0.995799	ENSMUSG0 Scnm1
ENSMUSG0	45.09462	0.008583	0.347477	0.024701	0.980293	0.995799	ENSMUSG0 Gm47694
ENSMUSG0	247.7788	0.006267	0.254232	0.024651	0.980333	0.995799	ENSMUSG0 Nubpl
ENSMUSG0	24.39778	0.012506	0.507554	0.02464	0.980342	0.995799	ENSMUSG0 Gm30238
ENSMUSG0	15.02464	0.012739	0.517766	0.024604	0.980371	0.995799	ENSMUSG0 Fbln7
ENSMUSG0	9.68341	-0.02396	0.974036	-0.0246	0.980375	0.995799	ENSMUSG0 Calcb
ENSMUSG0	1902.378	-0.0072	0.293485	-0.02454	0.980424	0.995799	ENSMUSG0 Lhfp14
ENSMUSG0	2742.764	-0.00301	0.123633	-0.02438	0.980549	0.995828	ENSMUSG0 Wdr1
ENSMUSG0	13571.62	0.009121	0.374707	0.024341	0.980581	0.995828	ENSMUSG0 Rpl14
ENSMUSG0	718.7384	0.005633	0.23176	0.024307	0.980608	0.995828	ENSMUSG0 Nicn1
ENSMUSG0	4.35582	0.019014	0.785019	0.024221	0.980676	0.995845	ENSMUSG0 Gm10420
ENSMUSG0	10.73605	0.029023	1.205803	0.024069	0.980797	0.995915	ENSMUSG0 Pira2
ENSMUSG0	528.3853	0.006716	0.280272	0.023962	0.980883	0.99595	ENSMUSG0 Gm37494
ENSMUSG0	1291.339	0.003692	0.154532	0.023893	0.980938	0.995953	ENSMUSG0 Pygo2
ENSMUSG0	982.0761	0.005009	0.211285	0.023708	0.981085	0.99605	ENSMUSG0 Mfn1
ENSMUSG0	336.2666	-0.00762	0.324762	-0.02348	0.98127	0.996137	ENSMUSG0 Polr2h
ENSMUSG0	2983.015	-0.00376	0.16038	-0.02347	0.981275	0.996137	ENSMUSG0 Psmd1
ENSMUSG0	297.8367	0.005031	0.215382	0.023361	0.981363	0.996174	ENSMUSG0 Gpr146
ENSMUSG0	11.82012	-0.01612	0.696327	-0.02314	0.981535	0.99618	ENSMUSG0 Gm11762
ENSMUSG0	1264.341	0.002914	0.125945	0.023136	0.981542	0.99618	ENSMUSG0 Cflar
ENSMUSG0	560.2187	0.007253	0.314107	0.023091	0.981578	0.99618	ENSMUSG0B230118HC
ENSMUSG0	102.4163	-0.0068	0.296186	-0.02295	0.981694	0.99618	ENSMUSG0 Nsun6
ENSMUSG0	310.2014	0.00471	0.206064	0.022856	0.981765	0.99618	ENSMUSG0 Ddx28
ENSMUSG0	25.44313	-0.00982	0.429506	-0.02285	0.981767	0.99618	ENSMUSG0 Gm10767
ENSMUSG0	7.232228	0.014662	0.642643	0.022816	0.981797	0.99618	ENSMUSG0 Gm37820
ENSMUSG0	30.68142	-0.01683	0.73892	-0.02277	0.981831	0.99618	ENSMUSG0 Exo1
ENSMUSG0	1634.886	-0.00492	0.216408	-0.02275	0.98185	0.99618	ENSMUSG0 Ppp1r12a
ENSMUSG0	33.56262	-0.02768	1.219258	-0.0227	0.981887	0.99618	ENSMUSG0 Calb2
ENSMUSG0	248.0159	-0.00694	0.306371	-0.02264	0.98194	0.996181	ENSMUSG0 Meox1
ENSMUSG0	323.8882	0.012565	0.561871	0.022362	0.982159	0.996233	ENSMUSG0 Pou2af1
ENSMUSG0	6193.976	0.053486	2.396669	0.022317	0.982195	0.996233	ENSMUSG0 Gm28439
ENSMUSG0	22.40937	-0.0122	0.554573	-0.02199	0.982453	0.996233	ENSMUSG0 Phf11c
ENSMUSG0	676.303	0.007274	0.331526	0.02194	0.982495	0.996233	ENSMUSG0 Polrmt

ENSMUSG0	19.59672	-0.00853	0.38872	-0.02193	0.9825	0.996233	ENSMUSG0 Pkd2l2
ENSMUSG0	1795.168	0.002813	0.128554	0.021879	0.982544	0.996233	ENSMUSG0 Hbs1l
ENSMUSG0	247.1485	-0.0068	0.310978	-0.02187	0.982552	0.996233	ENSMUSG0 Fgf9
ENSMUSG0	1953.019	0.003637	0.16769	0.021687	0.982698	0.996233	ENSMUSG0 Hdac2
ENSMUSG0	5.028623	0.017605	0.812268	0.021674	0.982708	0.996233	ENSMUSG0 Gm49125
ENSMUSG0	135.5717	0.003864	0.178743	0.021618	0.982752	0.996233	ENSMUSG01700066M:
ENSMUSG0	18.60458	0.008576	0.398088	0.021542	0.982813	0.996233	ENSMUSG0 Ntf3
ENSMUSG0	1238.515	-0.00326	0.151556	-0.02148	0.982864	0.996233	ENSMUSG0 Pex5
ENSMUSG0	12.29208	-0.02009	0.935763	-0.02147	0.98287	0.996233	ENSMUSG01810006JO:
ENSMUSG0	710.2785	0.004513	0.211153	0.021373	0.982948	0.996233	ENSMUSG0 Csf2ra
ENSMUSG0	2021.046	0.00466	0.218077	0.021369	0.982951	0.996233	ENSMUSG0 Flii
ENSMUSG0	736.956	0.004486	0.210312	0.021332	0.982981	0.996233	ENSMUSG0 Zfx
ENSMUSG0	3.591178	-0.0213	1.001268	-0.02128	0.983025	0.996233	ENSMUSG0 Gm15413
ENSMUSG0	10.24515	0.014109	0.66449	0.021232	0.98306	0.996233	ENSMUSG0 Gm11821
ENSMUSG0	60.86829	-0.00728	0.344085	-0.02117	0.983109	0.996233	ENSMUSG0 Dnajc22
ENSMUSG0	13.95553	-0.01086	0.51285	-0.02117	0.983111	0.996233	ENSMUSG0 Gm8899
ENSMUSG0	607.6857	0.003283	0.155373	0.021132	0.98314	0.996233	ENSMUSG0 Asrgl1
ENSMUSG0	14.94997	-0.00862	0.408516	-0.02109	0.983171	0.996233	ENSMUSG02900045O2
ENSMUSG0	1618.972	-0.00397	0.18873	-0.02102	0.983226	0.996233	ENSMUSG0 Cpsf7
ENSMUSG0	12.71158	0.014338	0.682945	0.020994	0.983251	0.996233	ENSMUSG0 Gm21982
ENSMUSG0	1718.337	-0.00408	0.194592	-0.02095	0.983285	0.996233	ENSMUSG0 Rnf40
ENSMUSG0	796.0813	0.004555	0.219045	0.020795	0.983409	0.996269	ENSMUSG0 Scaper
ENSMUSG0	76.66508	0.008387	0.40506	0.020704	0.983481	0.996269	ENSMUSG0 Gm49748
ENSMUSG0	1573.055	-0.00367	0.177729	-0.02063	0.983538	0.996269	ENSMUSG0 Sfr1
ENSMUSG0	6347.21	0.004016	0.1948	0.020617	0.983551	0.996269	ENSMUSG0 Tm9sf3
ENSMUSG0	21.49652	0.011049	0.538492	0.020519	0.98363	0.996269	ENSMUSG0 Ugt1a9
ENSMUSG0	977.8891	-0.00467	0.227984	-0.02047	0.983666	0.996269	ENSMUSG0 Elf2
ENSMUSG0	627.0641	0.006081	0.297348	0.020451	0.983683	0.996269	ENSMUSG0 Tspan17
ENSMUSG0	107806.6	-0.00419	0.205839	-0.02035	0.983767	0.996291	ENSMUSG0 Scg2
ENSMUSG0	1306.857	-0.00551	0.271507	-0.02028	0.983817	0.996291	ENSMUSG0 Eea1
ENSMUSG0	962.3028	0.003086	0.152543	0.020229	0.983861	0.996291	ENSMUSG0 Cep120
ENSMUSG0	10.90318	-0.01181	0.589343	-0.02004	0.984008	0.996388	ENSMUSG0 Gm11839
ENSMUSG0	11.62072	0.014756	0.74088	0.019917	0.984109	0.996438	ENSMUSG0 Gm37303
ENSMUSG0	282.3615	0.005241	0.264461	0.019819	0.984188	0.996465	ENSMUSG0 Urb2
ENSMUSG0	326.0031	0.00682	0.346408	0.019687	0.984293	0.996519	ENSMUSG0 Hddc2
ENSMUSG0	1276.984	-0.00821	0.420445	-0.01953	0.984419	0.996566	ENSMUSG0 Ndufs4
ENSMUSG0	394.2192	-0.00404	0.206976	-0.0195	0.984443	0.996566	ENSMUSG0 Tfb2m
ENSMUSG0	10.10062	-0.01342	0.700443	-0.01916	0.98471	0.996784	ENSMUSG0 Dnajb13
ENSMUSG0	365.5031	-0.00388	0.205095	-0.01891	0.984913	0.996936	ENSMUSG0 H2bc21
ENSMUSG0	994.2668	0.006408	0.34106	0.018789	0.985009	0.996974	ENSMUSG0 Asxl2
ENSMUSG0	1190.307	-0.00284	0.152397	-0.01865	0.985117	0.996974	ENSMUSG0 Pnp0
ENSMUSG0	576.7538	-0.00429	0.230132	-0.01864	0.985128	0.996974	ENSMUSG0 Lig3
ENSMUSG0	1514.384	-0.00322	0.173609	-0.01856	0.985193	0.996974	ENSMUSG0 Syf2
ENSMUSG0	1039.414	0.002931	0.158623	0.018481	0.985255	0.996974	ENSMUSG0 Ubqln4
ENSMUSG0	2732.467	0.004334	0.234593	0.018474	0.985261	0.996974	ENSMUSG0 Trim44
ENSMUSG0	30.0651	0.006179	0.336579	0.01836	0.985352	0.996983	ENSMUSG0 Fgf11
ENSMUSG0	150.9045	-0.01106	0.603435	-0.01833	0.985373	0.996983	ENSMUSG0 Ncf4
ENSMUSG0	42.26552	0.007487	0.41021	0.018253	0.985437	0.996995	ENSMUSG0 Gm21811
ENSMUSG0	530.9767	-0.00219	0.120794	-0.0181	0.985559	0.997066	ENSMUSG0 Ap4b1
ENSMUSG0	24.1523	-0.0093	0.518235	-0.01794	0.985684	0.99714	ENSMUSG0 Gm960
ENSMUSG0	306.9451	0.005896	0.331688	0.017777	0.985817	0.997186	ENSMUSG0 Cnih4
ENSMUSG0	1087.777	0.003081	0.173826	0.017725	0.985858	0.997186	ENSMUSG0 Vps18

ENSMUSG0	15.76384	0.01224	0.694127	0.017633	0.985932	0.997186	ENSMUSG0 Zfp973
ENSMUSG0	809.6609	0.004389	0.250231	0.01754	0.986006	0.997186	ENSMUSG0 Tnfsf12
ENSMUSG0	1596.025	-0.00441	0.252934	-0.01744	0.986087	0.997186	ENSMUSG0 B230219D2
ENSMUSG0	433.0715	-0.00373	0.214101	-0.01741	0.986112	0.997186	ENSMUSG0 Cntln
ENSMUSG0	20.59482	0.010505	0.604416	0.01738	0.986133	0.997186	ENSMUSG0 Ccdc155
ENSMUSG0	20.09199	0.016467	0.948202	0.017367	0.986144	0.997186	ENSMUSG0 Alms1-ps2
ENSMUSG0	1024.04	-0.00375	0.217075	-0.01729	0.986207	0.997197	ENSMUSG0 Phf21a
ENSMUSG0	1251.271	-0.00342	0.199321	-0.01714	0.986324	0.997212	ENSMUSG0 Pitpnm3
ENSMUSG0	1058.999	0.003556	0.20746	0.01714	0.986325	0.997212	ENSMUSG0 Tusc2
ENSMUSG0	384.2169	-0.00381	0.223995	-0.01702	0.986423	0.997253	ENSMUSG0 Yae1d1
ENSMUSG0	15.76866	0.009404	0.55452	0.016958	0.98647	0.997253	ENSMUSG0 Gm15697
ENSMUSG0	13.11681	-0.01161	0.691267	-0.01679	0.986604	0.997336	ENSMUSG0 Gm47808
ENSMUSG0	7.960942	0.013053	0.789705	0.016528	0.986813	0.997404	ENSMUSG0 Acpp
ENSMUSG0	1345.842	0.004396	0.265996	0.016527	0.986814	0.997404	ENSMUSG0 Gm48161
ENSMUSG0	767.531	-0.00327	0.198179	-0.01649	0.98684	0.997404	ENSMUSG0 Zfp574
ENSMUSG0	330.2927	0.003741	0.227478	0.016447	0.986878	0.997404	ENSMUSG0 Dock1
ENSMUSG0	827.4443	-0.00311	0.193148	-0.01611	0.987146	0.997591	ENSMUSG0 Zfp451
ENSMUSG0	117.2454	-0.03202	1.999462	-0.01602	0.987222	0.997591	ENSMUSG0 Gm49388
ENSMUSG0	123.1411	0.006514	0.407564	0.015982	0.987248	0.997591	ENSMUSG0 Fcer1g
ENSMUSG0	3.231592	-0.02369	1.485197	-0.01595	0.987271	0.997591	ENSMUSG0 Gm9522
ENSMUSG0	1026.737	-0.00239	0.151685	-0.01573	0.987446	0.997673	ENSMUSG0 Pisd
ENSMUSG0	2890.25	-0.0033	0.209964	-0.01572	0.987456	0.997673	ENSMUSG0 Adcy6
ENSMUSG0	15.21974	-0.00842	0.540559	-0.01558	0.987566	0.997732	ENSMUSG0 Il1a
ENSMUSG0	7.446218	-0.01209	0.780273	-0.01549	0.987639	0.997753	ENSMUSG0 Mir124a-1f
ENSMUSG0	661.3842	0.004797	0.312227	0.015365	0.987741	0.997804	ENSMUSG0 Igsf9b
ENSMUSG0	6.771664	0.011025	0.72287	0.015252	0.987831	0.997843	ENSMUSG0 Gm8399
ENSMUSG0	25.78392	-0.00717	0.47985	-0.01494	0.988081	0.997927	ENSMUSG0 Rilp
ENSMUSG0	395.0203	0.004301	0.287981	0.014936	0.988083	0.997927	ENSMUSG0 Maoa
ENSMUSG0	9268.6	0.003814	0.256174	0.014887	0.988122	0.997927	ENSMUSG0 Rpl11
ENSMUSG0	1956.304	-0.00168	0.114359	-0.01472	0.988256	0.997927	ENSMUSG0 Lztr1
ENSMUSG0	1340.155	-0.00374	0.255608	-0.01464	0.988322	0.997927	ENSMUSG0 Lpp
ENSMUSG0	81.68497	-0.00725	0.495609	-0.01463	0.988324	0.997927	ENSMUSG0 C130036L2
ENSMUSG0	238.7026	-0.00467	0.322233	-0.01449	0.988437	0.997927	ENSMUSG0 Calcr1
ENSMUSG0	15.4093	-0.00806	0.562232	-0.01433	0.988568	0.997927	ENSMUSG0 Olfr920
ENSMUSG0	1084.696	-0.00505	0.355001	-0.01423	0.988647	0.997927	ENSMUSG0 Taf15
ENSMUSG0	7.427772	0.011618	0.816595	0.014228	0.988648	0.997927	ENSMUSG0 Acoxl
ENSMUSG0	2219.426	0.001861	0.130992	0.014208	0.988664	0.997927	ENSMUSG0 Ppm1a
ENSMUSG0	6.737728	-0.00822	0.581785	-0.01413	0.988728	0.997927	ENSMUSG0 H1f1
ENSMUSG0	2116.281	-0.004	0.285064	-0.01404	0.988796	0.997927	ENSMUSG0 Vdac3
ENSMUSG0	2482.018	0.002991	0.215567	0.013877	0.988928	0.997927	ENSMUSG0 Prkaa1
ENSMUSG0	2409.58	0.004045	0.29169	0.013868	0.988935	0.997927	ENSMUSG0 Eml5
ENSMUSG0	74.3799	-0.01297	0.936691	-0.01385	0.988951	0.997927	ENSMUSG0 Ifi206
ENSMUSG0	611.9297	-0.00239	0.172677	-0.01382	0.988976	0.997927	ENSMUSG0 Tada1
ENSMUSG0	341.4549	0.002792	0.203679	0.013709	0.989062	0.997927	ENSMUSG0 Zfp868
ENSMUSG0	1435.537	-0.00167	0.122347	-0.01368	0.989083	0.997927	ENSMUSG0 Dlgap4
ENSMUSG0	233.0752	-0.0039	0.285541	-0.01367	0.989091	0.997927	ENSMUSG0 Proser1
ENSMUSG0	3183.081	0.002524	0.185188	0.013631	0.989124	0.997927	ENSMUSG0 Trim35
ENSMUSG0	7216.372	-0.00438	0.324414	-0.01351	0.989218	0.997927	ENSMUSG0 Ncl
ENSMUSG0	4.864812	0.011442	0.849641	0.013466	0.989256	0.997927	ENSMUSG0 Rgs1
ENSMUSG0	3.073957	0.01603	1.194189	0.013423	0.98929	0.997927	ENSMUSG0 Gm38009
ENSMUSG0	1011.039	0.002993	0.223362	0.013401	0.989308	0.997927	ENSMUSG0 Morc2a
ENSMUSG0	291.3476	0.002835	0.212875	0.013319	0.989374	0.997927	ENSMUSG0 Mmab

ENSMUSG0	50.37491	-0.00706	0.531558	-0.01329	0.989399	0.997927	ENSMUSG0 Fcgr3
ENSMUSG0	1617.206	-0.00237	0.178293	-0.01328	0.989407	0.997927	ENSMUSG0 Tmco3
ENSMUSG0	2006.913	-0.00221	0.168804	-0.01307	0.989568	0.997927	ENSMUSG0 Gm20716
ENSMUSG0	151.5424	-0.00501	0.383158	-0.01307	0.989573	0.997927	ENSMUSG0 Wdr89
ENSMUSG0	477.6821	-0.01384	1.081476	-0.0128	0.98979	0.997927	ENSMUSG0 Cxcl13
ENSMUSG0	2615.161	0.00239	0.187485	0.012749	0.989828	0.997927	ENSMUSG0 Lpgat1
ENSMUSG0	71.61947	-0.0032	0.252192	-0.0127	0.989867	0.997927	ENSMUSG0 Gm3854
ENSMUSG0	1777.682	0.001516	0.119842	0.012651	0.989906	0.997927	ENSMUSG0 Cdv3
ENSMUSG0	15.11803	-0.00585	0.464689	-0.01258	0.989959	0.997927	ENSMUSG0 Gm16244
ENSMUSG0	3.221973	0.01356	1.078064	0.012578	0.989965	0.997927	ENSMUSG0 Gm42907
ENSMUSG0	427.9694	0.006593	0.525295	0.01255	0.989987	0.997927	ENSMUSG0 Slfn2
ENSMUSG0	682.26	-0.00309	0.247861	-0.01248	0.990043	0.997927	ENSMUSG0 Dennd1a
ENSMUSG0	1148.09	-0.00152	0.121598	-0.01246	0.990058	0.997927	ENSMUSG0 Tomm40
ENSMUSG0	3.307849	-0.01117	0.901047	-0.0124	0.990106	0.997927	ENSMUSG0 Gm5103
ENSMUSG0	52.75042	-0.00657	0.530646	-0.01238	0.990121	0.997927	ENSMUSG0 Cped1
ENSMUSG0	1171.473	0.002954	0.239749	0.01232	0.99017	0.997927	ENSMUSG0 C6820431F2I
ENSMUSG0	236.24	-0.00312	0.255216	-0.01221	0.990255	0.997927	ENSMUSG0 Ccdc189
ENSMUSG0	560.601	-0.00412	0.339574	-0.01214	0.990314	0.997927	ENSMUSG0 Zfp62
ENSMUSG0	22.46088	-0.01067	0.878831	-0.01214	0.990317	0.997927	ENSMUSG0 Gm36989
ENSMUSG0	1002.228	-0.00256	0.210788	-0.01213	0.99032	0.997927	ENSMUSG0 H2ax
ENSMUSG0	2.97664	-0.01392	1.151098	-0.01209	0.990353	0.997927	ENSMUSG0 1700104B1
ENSMUSG0	3.603501	0.011289	0.940465	0.012004	0.990423	0.997945	ENSMUSG0 Gm16133
ENSMUSG0	2.964176	-0.01124	0.956648	-0.01175	0.990624	0.998046	ENSMUSG0 Slco4c1
ENSMUSG0	5.387469	0.008256	0.702708	0.011748	0.990627	0.998046	ENSMUSG0 Gm10517
ENSMUSG0	3.193532	-0.01073	0.938804	-0.01143	0.990881	0.99825	ENSMUSG0 Gm5881
ENSMUSG0	4185.987	0.0025	0.220627	0.011333	0.990958	0.998251	ENSMUSG0 Set
ENSMUSG0	702.3717	-0.00199	0.176156	-0.0113	0.990986	0.998251	ENSMUSG0 Slc25a32
ENSMUSG0	341.6765	0.001789	0.160873	0.011123	0.991125	0.998262	ENSMUSG0 Tmem185b
ENSMUSG0	108.7282	-0.00334	0.303976	-0.01099	0.991231	0.998262	ENSMUSG0 Ranbp17
ENSMUSG0	942.7146	0.00239	0.21776	0.010975	0.991244	0.998262	ENSMUSG0 Mea1
ENSMUSG0	52.97479	-0.00345	0.314778	-0.01097	0.991247	0.998262	ENSMUSG0 Gm43263
ENSMUSG0	872.6589	0.002063	0.188607	0.010939	0.991272	0.998262	ENSMUSG0 Atg2a
ENSMUSG0	318.4518	-0.00249	0.228519	-0.01089	0.991308	0.998262	ENSMUSG0 Pnpt1
ENSMUSG0	5.712268	-0.01036	0.962904	-0.01076	0.991419	0.99831	ENSMUSG0 Gm42913
ENSMUSG0	1209.482	-0.00308	0.287402	-0.0107	0.99146	0.99831	ENSMUSG0 Tmed5
ENSMUSG0	1511.811	0.003493	0.333274	0.01048	0.991638	0.998437	ENSMUSG0 Trp53inp1
ENSMUSG0	7.304517	-0.00766	0.74262	-0.01032	0.991769	0.998462	ENSMUSG0 Slc36a2
ENSMUSG0	3.446547	-0.01173	1.139093	-0.0103	0.991783	0.998462	ENSMUSG0 Gm20662
ENSMUSG0	36.41252	-0.00462	0.455746	-0.01013	0.991915	0.998462	ENSMUSG0 Ttc36
ENSMUSG0	5.77813	-0.0101	1.007543	-0.01002	0.992001	0.998462	ENSMUSG0 Gm36070
ENSMUSG0	3.784489	0.009585	0.960102	0.009983	0.992035	0.998462	ENSMUSG0 Ankrd2
ENSMUSG0	537.0532	0.001961	0.196485	0.009981	0.992037	0.998462	ENSMUSG0 Mapkbp1
ENSMUSG0	6.710565	0.006257	0.632539	0.009893	0.992107	0.998462	ENSMUSG0 Hoxa2
ENSMUSG0	124.4984	0.002338	0.239545	0.009759	0.992214	0.998462	ENSMUSG0 Vrk2
ENSMUSG0	6.403796	0.008127	0.834058	0.009744	0.992226	0.998462	ENSMUSG0 Gm42679
ENSMUSG0	12.29235	0.006341	0.65313	0.009708	0.992254	0.998462	ENSMUSG0 Gm11427
ENSMUSG0	8.021283	0.013211	1.364217	0.009684	0.992273	0.998462	ENSMUSG0 Aox3
ENSMUSG0	1239.468	0.001375	0.142208	0.009669	0.992286	0.998462	ENSMUSG0 Ddx19a
ENSMUSG0	1818.129	-0.00309	0.327186	-0.00945	0.992458	0.998538	ENSMUSG0 1500011B0
ENSMUSG0	2127.378	-0.00215	0.227203	-0.00944	0.992465	0.998538	ENSMUSG0 Ncaph2
ENSMUSG0	766.1488	-0.0018	0.192264	-0.00937	0.992527	0.998549	ENSMUSG0 Plpp1
ENSMUSG0	237.6443	-0.0044	0.472908	-0.0093	0.992583	0.998553	ENSMUSG0 Ephx2

ENSMUSG0	1335.699	-0.00215	0.235361	-0.00914	0.992707	0.998625	ENSMUSG0 Sfswap
ENSMUSG0	1897.099	-0.00219	0.242085	-0.00905	0.992783	0.998645	ENSMUSG0 Abat
ENSMUSG0	57.9043	-0.00687	0.765154	-0.00897	0.992839	0.998645	ENSMUSG0 Il33
ENSMUSG0	457.5605	0.001412	0.158252	0.00892	0.992883	0.998645	ENSMUSG0 Ankra2
ENSMUSG0	3.221243	0.00974	1.117853	0.008713	0.993048	0.998723	ENSMUSG0 Twist2
ENSMUSG0	967.4757	-0.0019	0.219999	-0.00862	0.993121	0.998723	ENSMUSG0 Rnf146
ENSMUSG0	58.48774	-0.00433	0.504004	-0.0086	0.993141	0.998723	ENSMUSG0 Pianp
ENSMUSG0	630.2057	0.002761	0.322785	0.008554	0.993175	0.998723	ENSMUSG0 Pcdcd5
ENSMUSG0	3.513975	0.010216	1.209369	0.008447	0.99326	0.998723	ENSMUSG0 Pla2g4f
ENSMUSG0	4262.705	-0.00132	0.156624	-0.00843	0.993272	0.998723	ENSMUSG0 Hnrnp1
ENSMUSG0	1930.21	-0.0013	0.157558	-0.00824	0.993426	0.998826	ENSMUSG0 Mid1ip1
ENSMUSG0	437.1378	-0.00204	0.253171	-0.00806	0.993572	0.998865	ENSMUSG0 Tmem237
ENSMUSG0	154.5743	0.001839	0.229645	0.008006	0.993612	0.998865	ENSMUSG0 Fam221a
ENSMUSG0	381.4077	0.00181	0.228353	0.007925	0.993677	0.998865	ENSMUSG0 Ing3
ENSMUSG0	704.262	-0.00213	0.274816	-0.00776	0.993807	0.998865	ENSMUSG0 Gabpa
ENSMUSG0	3.055527	0.008842	1.143264	0.007734	0.993829	0.998865	ENSMUSG0 Gm10505
ENSMUSG0	5075.46	0.001068	0.139313	0.007663	0.993886	0.998865	ENSMUSG0 BC005537
ENSMUSG0	395.1195	-0.00118	0.154761	-0.00764	0.993901	0.998865	ENSMUSG0 Zbtb39
ENSMUSG0	7.872487	0.004305	0.566592	0.007599	0.993937	0.998865	ENSMUSG0 Spef1l
ENSMUSG0	102.4044	-0.00191	0.255485	-0.00748	0.994028	0.998865	ENSMUSG0 Adssl1
ENSMUSG0	1007.606	0.002274	0.307861	0.007385	0.994107	0.998865	ENSMUSG0 Hook3
ENSMUSG0	760.4453	0.001174	0.161353	0.007275	0.994196	0.998865	ENSMUSG0 Cldnd1
ENSMUSG0	4.935318	0.005719	0.787785	0.00726	0.994207	0.998865	ENSMUSG0 Gm42771
ENSMUSG0	4.978864	0.006122	0.846665	0.007231	0.99423	0.998865	ENSMUSG0 Gm45698
ENSMUSG0	827.2227	0.002746	0.380564	0.007216	0.994242	0.998865	ENSMUSG0 Ino80d
ENSMUSG0	722.8407	-0.0019	0.269461	-0.00706	0.994367	0.998865	ENSMUSG0 Rec8
ENSMUSG0	3594.057	-0.00203	0.288537	-0.00705	0.994374	0.998865	ENSMUSG0 Tnpo1
ENSMUSG0	18.27679	-0.01095	1.55602	-0.00704	0.994383	0.998865	ENSMUSG0 Gm29253
ENSMUSG0	1113.985	0.00216	0.314928	0.006858	0.994528	0.998865	ENSMUSG0 Ccdc9
ENSMUSG0	558.1805	-0.00199	0.290637	-0.00686	0.99453	0.998865	ENSMUSG0 Rlf
ENSMUSG0	3442.306	0.001187	0.173277	0.006848	0.994536	0.998865	ENSMUSG0 Msl1
ENSMUSG0	372.7799	0.001614	0.238364	0.006772	0.994597	0.998865	ENSMUSG0 Polr2d
ENSMUSG0	4.163389	0.005067	0.762176	0.006648	0.994696	0.998865	ENSMUSG0 Gm43266
ENSMUSG0	11.50617	0.005369	0.808797	0.006638	0.994703	0.998865	ENSMUSG0 Gm13012
ENSMUSG0	22.5127	-0.00394	0.598798	-0.00657	0.994754	0.998865	ENSMUSG0 Gpr35
ENSMUSG0	54.6814	-0.00282	0.429756	-0.00656	0.994762	0.998865	ENSMUSG0 Gm50144
ENSMUSG0	1493.124	-0.00125	0.192824	-0.0065	0.994815	0.998865	ENSMUSG0 Smg5
ENSMUSG0	135.339	0.001605	0.253392	0.006333	0.994947	0.998943	ENSMUSG0 Acrbp
ENSMUSG0	7.705373	-0.00369	0.58769	-0.00627	0.994996	0.998943	ENSMUSG0 Gm18760
ENSMUSG0	6.188908	-0.005	0.818444	-0.00611	0.995121	0.998971	ENSMUSG0 B230119M
ENSMUSG0	28.56027	0.002442	0.410677	0.005945	0.995256	0.998971	ENSMUSG0 Gm34294
ENSMUSG0	140.7594	0.00321	0.541254	0.00593	0.995269	0.998971	ENSMUSG0 Gimap5
ENSMUSG0	4044.927	0.001534	0.263644	0.005817	0.995358	0.998971	ENSMUSG0 Eef1d
ENSMUSG0	110.3404	0.001664	0.287405	0.005789	0.995381	0.998971	ENSMUSG0 Pcdha2
ENSMUSG0	46.99993	0.002324	0.40207	0.005781	0.995388	0.998971	ENSMUSG0 Gm5141
ENSMUSG0	132.522	-0.00153	0.271394	-0.00563	0.995512	0.999017	ENSMUSG0 C3110056K0
ENSMUSG0	6.180651	0.004954	0.893753	0.005543	0.995577	0.999017	ENSMUSG0 Efcab5
ENSMUSG0	20.05658	0.002235	0.407788	0.005482	0.995626	0.999017	ENSMUSG0 Cdh9
ENSMUSG0	3046.912	0.00118	0.217934	0.005416	0.995679	0.999017	ENSMUSG0 Mcrip1
ENSMUSG0	34.02069	-0.00317	0.590799	-0.00536	0.99572	0.999017	ENSMUSG0 Mlx
ENSMUSG0	572.9184	-0.00129	0.245834	-0.00526	0.995799	0.999017	ENSMUSG0 Cramp1l
ENSMUSG0	577.2624	-0.00096	0.185855	-0.00516	0.995883	0.999017	ENSMUSG0 Ints8

ENSMUSG0	16.75205	0.002477	0.480384	0.005156	0.995886	0.999017	ENSMUSG0 Gm10614
ENSMUSG0	11.56952	-0.00324	0.630401	-0.00514	0.995901	0.999017	ENSMUSG0 Cyp4f41-ps
ENSMUSG0	6.588029	-0.00374	0.768285	-0.00486	0.996119	0.999184	ENSMUSG0 Bcas1os1
ENSMUSG0	1489.923	0.001655	0.353293	0.004683	0.996263	0.999276	ENSMUSG0 Ash1l
ENSMUSG0	1108.712	-0.00098	0.216343	-0.00453	0.996384	0.999341	ENSMUSG0 Wbp4
ENSMUSG0	5.405894	-0.00323	0.725434	-0.00446	0.996443	0.999341	ENSMUSG0 Gm44696
ENSMUSG0	251.5547	0.001332	0.30515	0.004365	0.996517	0.999341	ENSMUSG0 Zbed4
ENSMUSG0	698.8857	-0.00114	0.265916	-0.00427	0.996593	0.999341	ENSMUSG0 Epc2
ENSMUSG0	5.227392	-0.00318	0.748735	-0.00425	0.996607	0.999341	ENSMUSG0A230083N1
ENSMUSG0	6.087035	0.00351	0.833508	0.004212	0.99664	0.999341	ENSMUSG0 Slc6a11
ENSMUSG0	55.64767	0.001158	0.281023	0.004121	0.996712	0.999361	ENSMUSG0 Gm28523
ENSMUSG0	1438.713	0.000523	0.129237	0.00405	0.996769	0.999361	ENSMUSG0 Afg3l2
ENSMUSG0	18.17208	-0.00228	0.581689	-0.00392	0.99687	0.999361	ENSMUSG0 Cntf
ENSMUSG0	509.5114	0.000625	0.160846	0.003885	0.9969	0.999361	ENSMUSG0 Zfp263
ENSMUSG0	41.40733	0.001463	0.378837	0.003861	0.996919	0.999361	ENSMUSG0 Shox2
ENSMUSG0	853.9175	-0.00075	0.20193	-0.00373	0.99702	0.99941	ENSMUSG0 Acadm
ENSMUSG0	302.0572	0.00075	0.208145	0.003602	0.997126	0.999464	ENSMUSG0 Cep97
ENSMUSG0	26.84677	-0.00176	0.496992	-0.00353	0.997181	0.999467	ENSMUSG0 Vsig1
ENSMUSG0	122.8248	0.001451	0.425454	0.00341	0.997279	0.99951	ENSMUSG0 Art3
ENSMUSG0	2655.236	0.000855	0.258245	0.003311	0.997358	0.99951	ENSMUSG0 Hsbp1
ENSMUSG0	916.1297	0.000396	0.12072	0.003284	0.99738	0.99951	ENSMUSG0 Mthfr
ENSMUSG0	1647.189	-0.0005	0.15912	-0.00313	0.997504	0.999525	ENSMUSG0 Zranb2
ENSMUSG0	3191.665	-0.00056	0.178471	-0.00312	0.997507	0.999525	ENSMUSG0 Snx5
ENSMUSG0	2911.689	0.000372	0.12103	0.00307	0.99755	0.999525	ENSMUSG0 Tollip
ENSMUSG0	548.2493	0.00068	0.229797	0.00296	0.997638	0.999542	ENSMUSG0 Ptbp2
ENSMUSG0	362.7092	0.000839	0.287369	0.002918	0.997672	0.999542	ENSMUSG0 G2e3
ENSMUSG0	31.643	0.001051	0.36919	0.002846	0.997729	0.999548	ENSMUSG0 Gm15265
ENSMUSG0	1234.31	-0.00096	0.366338	-0.00261	0.997919	0.99958	ENSMUSG0 Churc1
ENSMUSG0	7.785607	-0.00169	0.655771	-0.00257	0.997947	0.99958	ENSMUSG04930413F2l
ENSMUSG0	200.3351	-0.00146	0.569687	-0.00257	0.997951	0.99958	ENSMUSG0 Al662270
ENSMUSG0	18.64448	-0.00149	0.596938	-0.00249	0.998012	0.99958	ENSMUSG0 Gm30211
ENSMUSG0	36.98667	0.001432	0.577414	0.00248	0.998021	0.99958	ENSMUSG0 Styk1
ENSMUSG0	531.3031	-0.00055	0.245892	-0.00225	0.998204	0.999643	ENSMUSG0 Mon1b
ENSMUSG0	10.39886	-0.00178	0.814327	-0.00219	0.998256	0.999643	ENSMUSG0 C5ar1
ENSMUSG0	1143.565	-0.00059	0.286927	-0.00207	0.998348	0.999643	ENSMUSG0 Czib
ENSMUSG0	825.9165	-0.00058	0.295442	-0.00198	0.998422	0.999643	ENSMUSG0 Bcl2l13
ENSMUSG0	182.4116	0.000391	0.198282	0.001973	0.998425	0.999643	ENSMUSG0 Armc7
ENSMUSG0	353.7975	0.000316	0.160732	0.001966	0.998431	0.999643	ENSMUSG0 Utp14a
ENSMUSG0	1737.043	-0.00032	0.164108	-0.00195	0.998447	0.999643	ENSMUSG0 Ccng1
ENSMUSG0	171.1375	-0.00078	0.426342	-0.00182	0.998549	0.999693	ENSMUSG0 Nr5a2
ENSMUSG0	5.333373	0.001228	0.734462	0.001672	0.998666	0.999757	ENSMUSG0 Akap3
ENSMUSG0	4105.121	0.000272	0.170558	0.001594	0.998728	0.99976	ENSMUSG0 Ube2d2a
ENSMUSG0	513.762	-0.00026	0.17762	-0.00144	0.998854	0.99976	ENSMUSG0 Ccdc174
ENSMUSG0	22.94851	0.000981	0.74619	0.001314	0.998951	0.99976	ENSMUSG0 Prkcg
ENSMUSG0	1284.473	-0.00022	0.171322	-0.0013	0.99896	0.99976	ENSMUSG0 Cxxc1
ENSMUSG0	335.654	-0.0004	0.311429	-0.00128	0.998979	0.99976	ENSMUSG0 Cyp39a1
ENSMUSG0	2116.284	-0.00034	0.285107	-0.0012	0.999042	0.99976	ENSMUSG0 Txndc12
ENSMUSG0	1523.705	0.000178	0.187717	0.000951	0.999241	0.99976	ENSMUSG0 Cuedc1
ENSMUSG0	193.8847	-0.00022	0.229208	-0.00094	0.999248	0.99976	ENSMUSG0 Dnajc28
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ENSMUSG0	503.3638	-0.00015	0.174236	-0.00087	0.999303	0.99976	ENSMUSG0D10Wsu10
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ENSMUSG0	623.141	8.63E-05	0.167348	0.000516	0.999589	0.999854	ENSMUSG0 Pgs1
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ENSMUSG0	17.9021	-9.58E-05	0.503038	-0.00019	0.999848	0.999993	ENSMUSG0 Rtl4
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ENSMUSG0	932.2966	2.66E-06	0.30294	8.77E-06	0.999993	0.999993	ENSMUSG0 Xrn1

All detected genes are shown

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MKX
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INTS8

GM10614
CYP4F41-PS
BCAS1OS1
ASH1L
WBP4
GM44696
ZBED4
EPC2
A230083N12RIK
SLC6A11
GM28523
AFG3L2
CNTF
ZFP263
SHOX2
ACADM
CEP97
VSIG1
ART3
HSBP1
MTHFR
ZRANB2
SNX5
TOLLIP
PTBP2
G2E3
GM15265
CHURC1
4930413F20RIK
AI662270
GM30211
STYK1
MON1B
C5AR1
CZIB
BCL2L13
ARMC7
UTP14A
CCNG1
NR5A2
AKAP3
UBE2D2A
CCDC174
PRKCG
CXXC1
CYP39A1
TXNDC12
CUEDC1
DNAJC28
GM43321
IGF2R
MX2

D10WSU102E
GM5345
IL23A
PGS1
INTS13
PRPF38B
RTL4
PTDSS2
GM43339
XRN1

Supplemental Table 5. Mienturnet Enrichment results TargetScan

Seed	miRNA family	p-value
CCCUGAG	mmu-miR-125a-5p/mmu-miR-125b-5p/mmu-miR-351-5p/mmu-n	0.000339423
GGAAGAC	mmu-miR-7a-5p/mmu-miR-7b-5p	0.00908458
AAAGAAU	mmu-miR-186-5p	0.395430745
AAAGCAC	mmu-miR-330-3p.2	0.940942741
AAAGCUG	mmu-miR-320-3p	0.62597598
AAAGUGC	mmu-miR-106a-5p/mmu-miR-106b-5p/mmu-miR-17-5p/mmu-mi	0.869392251
AACAAAC	mmu-miR-1192/mmu-miR-495-3p	0.891589371
AACACUG	mmu-miR-141-3p/mmu-miR-200a-3p	0.648736989
AACAGUC	mmu-miR-132-3p/mmu-miR-212-3p	0.900083234
AACAUUC	mmu-miR-543-3p	0.375511001
AACCUGG	mmu-miR-490-3p	0.038849256
AAGGCAC	mmu-miR-124-3p.1	0.78568291
AAGGUGC	mmu-miR-18a-5p/mmu-miR-18b-5p	0.950730083
AAGUCAC	mmu-miR-224-5p	0.520803771
AAGUGCU	mmu-miR-291a-3p/mmu-miR-294-3p/mmu-miR-295-3p/mmu-mi	0.495568138
AAGUUGU	mmu-miR-382-5p	0.578150276
AAUACUG	mmu-miR-200b-3p/mmu-miR-200c-3p/mmu-miR-429-3p	0.395911454
AAUCUCA	mmu-miR-216a-5p	0.561733049
AAUCUCU	mmu-miR-216b-5p	0.821913838
AAUGCCC	mmu-miR-365-3p	0.444197715
AAUGUUG	mmu-miR-409-3p	0.214496207
ACACACC	mmu-miR-329-3p/mmu-miR-362-3p	0.980128851
ACAGUAC	mmu-miR-101a-3p.1	0.98069
ACAGUAU	mmu-miR-144-3p	0.983810214
ACAUAGA	mmu-miR-376c-3p	0.595406003
ACAUUAC	mmu-miR-323-3p	0.765429445
ACAUUCA	mmu-miR-181a-5p/mmu-miR-181b-5p/mmu-miR-181c-5p/mmu-	0.969694202
ACCACAG	mmu-miR-140-3p.2/mmu-miR-497b	0.353822704
ACCCGUA	mmu-miR-100-5p/mmu-miR-99a-5p/mmu-miR-99b-5p	0.260946814
ACCCUGU	mmu-miR-10a-5p/mmu-miR-10b-5p	0.978025114
ACUAGAU	mmu-miR-28a-3p	0.724440848
ACUCCUC	mmu-miR-483-3p.1	0.55490308
ACUGCAU	mmu-miR-217-5p	0.438374395
ACUGGCC	mmu-miR-193a-3p/mmu-miR-193b-3p	0.939256672
ACUGUUU	mmu-miR-452-5p	0.833241582
AGAUCAG	mmu-miR-383-5p.2	0.878919906
AGCACCA	mmu-miR-29a-3p/mmu-miR-29b-3p/mmu-miR-29c-3p	0.101064734
AGCAGCA	mmu-miR-15a-5p/mmu-miR-15b-5p/mmu-miR-16-5p/mmu-miR-	0.965761087
AGCAGCG	mmu-miR-503-5p	0.944835558
AGCCCUU	mmu-miR-129-1-3p/mmu-miR-129-2-3p	0.841322445
AGCUGCC	mmu-miR-22-3p	0.819299264
AGCUUUAU	mmu-miR-21a-5p/mmu-miR-21c/mmu-miR-590-5p	0.980785842
AGGACAC	mmu-miR-1197-3p	0.80899226
AGGAGCU	mmu-miR-28a-5p/mmu-miR-708-5p	0.719208546
AGGGUUG	mmu-miR-296-3p	0.148900069
AGGUAGU	mmu-miR-196a-5p/mmu-miR-196b-5p	0.938736349
AGGUCAC	mmu-miR-1193-3p/mmu-miR-370-5p	0.630484715
AGGUUAU	mmu-miR-154-5p	0.524732527
AGUAGAC	mmu-miR-411-5p/mmu-miR-7229-5p	0.55490308
AGUGCAA	mmu-miR-130a-3p/mmu-miR-130b-3p/mmu-miR-130c/mmu-miF	0.902054399

AGUGCUU mmu-miR-302c-3p	0.556658935
AGUGGUU mmu-miR-140-5p/mmu-miR-876-3p	0.294481785
AUAAAGU mmu-miR-142a-5p	0.94726074
AUAAUAC mmu-miR-369-3p	0.998958573
AUACAAG mmu-miR-381-3p/mmu-miR-539-3p	0.900272762
AUACCUC mmu-miR-875-5p	0.576915894
AUAUAAC mmu-miR-344d-3p/mmu-miR-344e-3p/mmu-miR-410-3p	0.971575663
AUCAUUC mmu-miR-382-3p	0.592969067
AUCCUUG mmu-miR-362-5p/mmu-miR-500-5p	0.501161349
AUGCCUU mmu-miR-532-5p/mmu-miR-6339/mmu-miR-6386	0.786530118
AUGGCAC mmu-miR-183-5p	0.821740674
AUGGCUU mmu-miR-135a-5p/mmu-miR-135b-5p	0.155538663
AUGUAAC mmu-miR-379-3p/mmu-miR-411-3p	0.520447585
AUGUGCC mmu-miR-455-5p/mmu-miR-5129-3p	0.816025319
AUGUGGG mmu-miR-299a-3p/mmu-miR-299b-3p	0.462271752
AUUGCAC mmu-miR-25-3p/mmu-miR-32-5p/mmu-miR-363-3p/mmu-miR-3	0.939919859
CAAAGCA mmu-miR-330-3p.1/mmu-miR-6240	0.932945167
CAAGAGC mmu-miR-335-5p	0.956732841
CACAGUG mmu-miR-128-3p/mmu-miR-6539	0.435762738
CACCUCC mmu-miR-1306-5p	0.66875317
CACUCCU mmu-miR-483-3p.2	0.161870173
CAGGAAC mmu-miR-6370/mmu-miR-7220-3p/mmu-miR-873a-5p.1	0.087629077
CAGUAAC mmu-miR-802-5p	0.729148302
CAGUAGU mmu-miR-199a-3p/mmu-miR-199b-3p	0.794653153
CAGUCCA mmu-miR-455-3p.1	0.365721247
CAGUGCA mmu-miR-148a-3p/mmu-miR-148b-3p/mmu-miR-152-3p	0.93114121
CCACAGG mmu-miR-140-3p.1	0.908582486
CCAGCAU mmu-miR-338-3p	0.284967779
CCAGGAG mmu-miR-665-3p	0.111311715
CCAGUGU mmu-miR-199a-5p/mmu-miR-199b-5p	0.395739903
CCCCUGG mmu-miR-331-3p	0.742478869
CCCUGUC mmu-miR-339-5p	0.527984826
CCUGUAC mmu-miR-486a-5p/mmu-miR-486b-5p	0.529373606
CCUUCAU mmu-miR-205-5p	0.95712874
CCUUGGC mmu-miR-212-5p	0.973312405
CUACAGU mmu-miR-139-5p	0.620494434
CUCAAAC mmu-miR-290a-5p/mmu-miR-292a-5p/mmu-miR-293-5p	0.77632405
CUCACAC mmu-miR-342-3p	0.963259076
CUCCCAA mmu-miR-150-5p/mmu-miR-5127	0.986981926
CUCCCAC mmu-miR-532-3p	0.800926421
CUCUAGC mmu-miR-1251-5p	0.543144706
CUCUGGG mmu-miR-326-3p/mmu-miR-330-5p	0.430238101
CUGGACU mmu-miR-378a-3p/mmu-miR-378c	0.134590682
CUGGCUC mmu-miR-149-5p	0.443738327
CUGGCUG mmu-miR-3064-5p/mmu-miR-3085-3p	0.092726227
CUUGUUA mmu-miR-544-5p	0.355692839
CUUUGGU mmu-miR-9-5p	0.590960585
GAAACAU mmu-miR-494-3p	0.974236891
GAAAUGU mmu-miR-203-3p.1	0.773136848
GAAGGUC mmu-miR-493-3p	0.32507264
GAAUUGU mmu-miR-219a-2-3p	0.828748656
GAGAACU mmu-miR-146a-5p/mmu-miR-146b-5p	0.481079096

GAGAUGA mmu-miR-143-3p	0.721377869
GAGGCUG mmu-miR-1962/mmu-miR-485-5p	0.300279806
GAGGGGC mmu-miR-423-5p/mmu-miR-6921-5p	0.227739295
GAGGUAG mmu-let-7a-5p/mmu-let-7b-5p/mmu-let-7c-5p/mmu-let-7d-5p/n	0.82428358
GAGUAAU mmu-miR-496a-3p.1	0.031715179
GAUAUGU mmu-miR-190a-5p/mmu-miR-190b-5p	0.058340931
GAUCAGA mmu-miR-383-5p.1	0.191761124
GAUUGUC mmu-miR-219a-5p	0.751628014
GCAGCAU mmu-miR-103-3p/mmu-miR-107-3p	0.795048099
GCAGGAA mmu-miR-6901-5p/mmu-miR-873a-5p.2	0.261629496
GCAUCCC mmu-miR-324-5p	0.048623467
GCCUGUC mmu-miR-214-5p	0.873242375
GCGGGGC mmu-miR-744-5p	0.246765215
GCUACAU mmu-miR-1928/mmu-miR-221-3p/mmu-miR-222-3p	0.242960528
GCUGGUG mmu-miR-138-5p	0.543475213
GGAAUGU mmu-miR-1957b/mmu-miR-1a-3p/mmu-miR-206-3p/mmu-miR-6	0.6426416
GGAGAGA mmu-miR-185-5p/mmu-miR-3473a/mmu-miR-882	0.365721247
GGAGUGU mmu-miR-122-5p	0.781252829
GGAUUUC mmu-miR-876-5p	0.372723925
GGCAAGA mmu-miR-31-5p	0.902326388
GGCAGUG mmu-miR-34a-5p/mmu-miR-34b-5p/mmu-miR-34c-5p/mmu-miR	0.891244171
GGCUCAG mmu-miR-24-3p/mmu-miR-5124b/mmu-miR-6361/mmu-miR-636	0.494738716
GGCUCUG mmu-miR-7239-3p/mmu-miR-760-3p	0.151045423
GGGCCCC mmu-miR-296-5p	0.188867166
GGGUCUU mmu-miR-193a-5p	0.828748656
GGUAGAC mmu-miR-1193-5p/mmu-miR-379-5p	0.576915894
GGUUUAC mmu-miR-299a-5p	0.767591171
GUAACA mmu-miR-30a-5p/mmu-miR-30b-5p/mmu-miR-30c-5p/mmu-miR	0.221716937
GUAACAG mmu-miR-194-5p	0.305216511
GUAGUGU mmu-miR-142a-3p.1	0.849958524
GUAUUAC mmu-miR-496a-3p.2	0.738202942
GUCAACA mmu-miR-505-3p.1	0.956732841
GUCACUC mmu-miR-668-3p	0.620641973
GUCUGCC mmu-miR-346-5p	0.699167798
GUCUUGC mmu-miR-431-5p	0.031715179
GUGACAG mmu-miR-542-3p	0.583264881
GUGACUG mmu-miR-134-5p	0.917868024
GUGCAAA mmu-miR-19a-3p/mmu-miR-19b-3p	0.925913774
GUGGGGA mmu-miR-491-5p/mmu-miR-7003-5p	0.581883427
UAAGACG mmu-miR-208a-3p/mmu-miR-208b-3p	0.475125601
UAAGACU mmu-miR-499-5p	0.033569158
UAAGGCA mmu-miR-124-3p.2/mmu-miR-5624-3p/mmu-miR-6540-5p	0.942276975
UAAUACA mmu-miR-374c-5p	0.992173234
UAAUGCU mmu-miR-155-5p	0.57850287
UACAGUA mmu-miR-101a-3p.2/mmu-miR-101b-3p.1/mmu-miR-101b-3p.2	0.859380846
UACAGUU mmu-miR-582-5p	0.69141976
UAGACUG mmu-miR-151-3p	0.674959924
UAGAGGA mmu-miR-877-5p	0.739465153
UAGUGUU mmu-miR-142a-3p.2	0.815102932
UAUAAAAG mmu-miR-340-5p	0.838664404
UAUAAUA mmu-miR-374b-5p	0.994581198
UAUUGCU mmu-miR-137-3p	0.334825735

UCAACAC	mmu-miR-505-3p.2	0.780677285
UCAACAG	mmu-miR-421-3p	0.774921178
UCAAGUA	mmu-miR-26a-5p/mmu-miR-26b-5p	0.967168907
UCACACA	mmu-miR-377-3p	0.923279914
UCACAGU	mmu-miR-27a-3p/mmu-miR-27b-3p	0.949815145
UCACAUU	mmu-miR-23a-3p/mmu-miR-23b-3p	0.973768159
UCAUGAU	mmu-miR-433-3p	0.093209404
UCCAGUU	mmu-miR-145a-5p/mmu-miR-145b	0.173345019
UCCCUUU	mmu-miR-204-5p/mmu-miR-211-5p/mmu-miR-7670-3p	0.812955977
UCCUAUG	mmu-miR-202-5p	0.943032208
UGAAACA	mmu-miR-653-5p	0.674991397
UGAAAGG	mmu-miR-488-3p	0.538613724
UGAAAUG	mmu-miR-203-3p.2	0.563123676
UGACCUA	mmu-miR-192-5p/mmu-miR-215-5p	0.841030501
UGCAUAG	mmu-miR-153-3p	0.489792802
UGCAUUA	mmu-miR-448-3p	0.379987641
UGCAUUG	mmu-miR-33-5p	0.951664208
UGCCCUG	mmu-miR-874-3p	0.393196208
UGGCACU	mmu-miR-183-5p.2	0.379198213
UGGCCCU	mmu-miR-328-3p/mmu-miR-6395	0.911163522
UGGUCCC	mmu-miR-133a-3p.1	0.723950582
UGUACAU	mmu-miR-493-5p	0.468427212
UGUGCUU	mmu-miR-218-5p/mmu-miR-7002-3p	0.21632997
UUAUUGA	mmu-miR-325-3p	0.886165553
UUCCUAG	mmu-miR-384-3p	0.811657429
UUCCUCA	mmu-miR-670-3p	0.625001413
UUGGCAA	mmu-miR-182-5p	0.402316285
UUGGCAC	mmu-miR-96-5p	0.461821985
UUGGUCC	mmu-miR-133a-3p.2/mmu-miR-133b-3p/mmu-miR-133c	0.293007038
UUGUGAC	mmu-miR-153-5p/mmu-miR-758-3p	0.72880057
UUGUUCG	mmu-miR-375-3p	0.66875317
UUUUUGC	mmu-miR-129-5p	0.683245641

FDR	Odd ratio	Number of interactions
0.067545125	0.52020626	31
0.90391575	0.541147055	18
0.998958573	0.916164083	16
0.998958573	1.509704975	10
0.998958573	1.061114187	12
0.998958573	1.256966189	17
0.998958573	1.363794554	11
0.998958573	1.074275997	14
0.998958573	1.578327928	5
0.998958573	0.891511873	13
0.998958573	0.478931029	8
0.998958573	1.133125928	27
0.998958573	2.344617575	2
0.998958573	0.969435374	7
0.998958573	0.973429302	15
0.998958573	1.01028237	4
0.998958573	0.929496089	21
0.998958573	1.003928393	6
0.998958573	1.415348414	4
0.998958573	0.889556804	6
0.998958573	0.694398933	7
0.998958573	2.868820691	2
0.998958573	1.820414459	8
0.998958573	1.798175539	9
0.998958573	1.036969074	5
0.998958573	1.233579282	7
0.998958573	1.523592954	14
0.998958573	0.847196956	9
0.998958573	0.495610219	2
0.998958573	2.811634897	2
0.998958573	1.267618445	2
0.998958573	0.924503678	2
0.998958573	0.905441746	8
0.998958573	2.22071502	2
0.998958573	1.399145772	5
0.998958573	1.801352527	2
0.998958573	0.769808772	26
0.998958573	1.485559862	15
0.998958573	2.277900815	2
0.998958573	1.381990034	6
0.998958573	1.315273274	7
0.998958573	2.887882623	2
0.998958573	1.43599884	3
0.998958573	1.232671571	3
0.998958573	0.444778402	3
0.998958573	1.976086899	3
0.998958573	1.078905323	5
0.998958573	0.921326689	3
0.998958573	0.924503678	2
0.998958573	1.384589388	11

0.998958573	1.008376177	10
0.998958573	0.786304675	8
0.998958573	1.504159686	11
0.998958573	3.628120963	3
0.998958573	1.401051966	10
0.998958573	0.962627541	2
0.998958573	1.874423265	6
0.998958573	1.029344301	4
0.998958573	0.889556804	3
0.998958573	1.378813045	3
0.998958573	1.343866171	6
0.998958573	0.77094923	18
0.998958573	0.962627541	6
0.998958573	1.455060771	3
0.998958573	0.838724986	3
0.998958573	1.479899046	11
0.998958573	1.459104211	11
0.998958573	2.420865301	2
0.998958573	0.951363672	22
0.998958573	1.134184924	4
0.998958573	0.575670331	5
0.998958573	0.611888001	10
0.998958573	1.212338844	5
0.998958573	1.296211342	6
0.998958573	0.84587321	8
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0.998958573	0.792129154	9
0.998958573	0.658503088	11
0.998958573	0.894177878	11
0.998958573	1.253321996	4
0.998958573	0.948331092	4
0.998958573	0.927680667	3
0.998958573	1.849007356	5
0.998958573	2.338263598	3
0.998958573	1.064745031	7
0.998958573	1.28858657	5
0.998958573	2.516174958	2
0.998958573	3.107094835	2
0.998958573	1.367693585	4
0.998958573	0.946742598	3
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0.998958573	0.917090705	9
0.998958573	0.675337002	14
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0.998958573	1.029344301	23
0.998958573	2.001502808	5
0.998958573	1.34704316	3
0.998958573	0.719587914	4
0.998958573	1.582140315	2
0.998958573	0.924503678	6

0.998958573	1.176393487	7
0.998958573	0.815850668	10
0.998958573	0.683052546	6
0.998958573	1.206508135	17
0.998958573	0.430255025	7
0.998958573	0.492887086	7
0.998958573	0.644928683	6
0.998958573	1.229494582	6
0.998958573	1.233306968	10
0.998958573	0.785351578	10
0.998958573	0.438424425	6
0.998958573	1.77275963	2
0.998958573	0.476548288	2
0.998958573	0.770102033	10
0.998958573	1.000751404	12
0.998958573	1.071867071	13
0.998958573	0.84587321	8
0.998958573	1.366105091	3
0.998958573	0.822840043	6
0.998958573	1.585952701	5
0.998958573	1.404228954	9
0.998958573	0.969225902	13
0.998958573	0.735245929	14
0.998958573	0.641751694	6
0.998958573	1.582140315	2
0.998958573	0.962627541	2
0.998958573	1.334335205	3
0.998958573	0.863505497	30
0.998958573	0.819663055	10
0.998958573	1.486830657	4
0.998958573	1.270795434	3
0.998958573	2.420865301	2
0.998958573	1.061114187	3
0.998958573	1.194547708	3
0.998958573	0.430255025	7
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0.998958573	2.039626671	2
0.998958573	1.369917477	15
0.998958573	1.015047853	4
0.998958573	0.886379815	4
0.998958573	0.549619025	12
0.998958573	1.393903741	16
0.998958573	2.085919933	7
0.998958573	1.024578818	8
0.998958573	1.271703145	14
0.998958573	1.122747766	10
0.998958573	1.153246856	2
0.998958573	1.305742308	2
0.998958573	1.289063118	8
0.998958573	1.202807878	20
0.998958573	2.281077803	6
0.998958573	0.905441746	24

0.998958573	1.296211342	5
0.998958573	1.264441456	6
0.998958573	1.589071926	11
0.998958573	1.554908984	7
0.998958573	1.414157043	16
0.998958573	1.568943593	13
0.998958573	0.619512774	10
0.998958573	0.778175321	17
0.998958573	1.256181286	10
0.998958573	2.258838883	2
0.998958573	1.111946004	9
0.998958573	0.985774172	7
0.998958573	1.012400362	9
0.998958573	1.629795144	2
0.998958573	0.968073807	14
0.998958573	0.894444478	13
0.998958573	1.920489599	4
0.998958573	0.841901975	6
0.998958573	0.898633914	14
0.998958573	1.991971842	2
0.998958573	1.169926046	8
0.998958573	0.956908961	15
0.998958573	0.834392729	22
0.998958573	1.187446204	34
0.998958573	1.391521	4
0.998958573	1.067468164	8
0.998958573	0.936520983	23
0.998958573	0.963081396	21
0.998958573	0.842809686	14
0.998958573	1.229494582	4
0.998958573	1.134184924	4
0.998958573	1.115122993	10

Target Gene 1	Target Gene 2	Target Gene 3	Target Gene 4	Target Gene 5
Ggt7	Lrrc10b	Sstr3	Gga2	Neu1
Ggt7	Pax6	Tmed9	Hadh	Lss
Phf21b	Egfr	Mcf2d	Jph3	Eif4e3
Tram1	Adipor1	Gatm	Nars2	Ube3c
Elovl2	Esyt1	Adipor1	Brp	Ina
Kcnb1	Bhlhe41	Slc40a1	Slc22a23	Camk2n1
Josd1	F2	Kdm2b	Cited2	Camk2n1
Tmem135	Mnx1	Tmed9	Harbi1	Egfr
Papola	Kcnj12	B3gat2	Cited2	Cerk
Nudt5	Fam76a	Eif4e3	Prkar2b	Lmo1
Papola	Rnf115	Hspa12a	Camk2n1	Paxip1
Vamp3	Gga2	Ppp1r3d	Rnpepl1	Pard3
Camk2n1	D030025P21Rik			
Pctp	Vwa5b1	Pcsk9	Gch1	Syt2
Slc22a23	Kcnb1	Camk2n1	Josd1	Slc40a1
MLxipl	Abcb10	Sirpa	Cxxc4	
Phactr3	Rims3	Tbc1d22b	Cited2	Cnot4
Adipor1	Krt80	Cux2	Cnot4	Fer1l6
Cux2	Asb11	Nme6	Cxxc4	
Tram1	Pax6	Grip1	Eif4e3	Slc22a23
Bpnt1	Rars2	Cited2	Trp53inp2	Phactr3
Trp53inp2	Tmed9			
Tspan5	Phactr3	Socs2	Fam217b	Asic1
Socs2	Tspan5	Cxxc4	Neurod1	B3gat2
Adipor1	Grip1	Tmem135	B3gat2	Glp1r
Jph3	Nudt5	Adipor1	Slc22a23	Kcng3
Ttc39a	Mnx1	Cntnap2	Rims3	Bhlhe41
Sox12	Nqo1	Neu1	Glul	At12
Ttc39a	Insm1			
Prnt3	Tram1			
Bhlhe41	Syt14			
Ggt7	Phactr3			
Tmem135	Eif4e3	Rab37	Tmed9	Cnot4
Fhdc1	Cxxc4			
Prkar2b	Adra2a	B3gat2	Mnx1	Cxxc4
Syt2	Vipas39			
Dnmt3b	Ina	Svil	Iffo1	Grip1
Tram1	Tspan5	Gga2	Mlycd	Rab3d
Tram1	Bhlhe41			
Camk2n1	Rims3	Syt2	Elovl2	Kcnb1
Nudt5	Gatm	Camk2n1	Socs2	Ftl1
Rtkn2	Kdm2b			
Eif4e3	Fhdc1	Slc29a1		
Asns	Impdh1	Slc29a1		
Ggt7	Mt2	Desi1		
Tox3	Sox12	Cpm		
Hs1bp3	Klf9	Kcnb1	Car15	Fer1l6
Adipor1	Harbi1	Cnot4		
Nudt5	Mnx1			
Npepl1	Bhlhe41	Tshz1	Neurod1	Klhdc8a

Kcnb1	Slc22a23	Tram1	Camk2n1	B3gat2
Klf9	Camk2n1	Tbc1d22b	Ttyh2	Creb3l1
Bhlhe41	Slc22a23	Kcnb1	Cntnap2	Ube3c
Paxip1	Pax6	Desi1		
Elovl2	Jph3	4833439L19Rik	Insig1	R3hdm2
Wdr45b	B3gat2			
Ldlr	Prkar2b	Camk2n1	Bhlhe41	Syt2
Eif4ebp1	Pax6	Bhlhe41	Rnf128	
B3gat2	Flad1	Tmem167		
Nudt5	Camk2n1	Tmem167		
Slc22a23	Gjd2	Tram1	Atl2	Kctd15
Syt2	Kcnb1	Kcnab3	Josd1	Cux2
Tram1	Kdm2b	Kcnb1	Tshz1	Tmed9
R3hdm2	Wdr45b	Kctd15		
Paxip1	Por	Lrrc10b		
Pkdcc	Josd1	Pcsk9	Ppp1r37	Ttc28
Pxmp4	Jph3	Ldlr	Azgp1	Fras1
Kdm2b	Kdelr1			
Ttc39a	Car10	Hcn4	Gns	Syt2
Fras1	Mbd2	Bhlhe41	Desi1	
Egfr	Hcn4	Ttc39a	Vipas39	Phactr3
Mlxip1	Gcgr	Rnpepl1	Neurod1	Cplx3
Car10	Tmed9	Neurod1	Nmt2	Glul
Vamp3	Pon2	Cited2	Mcf2	Slc7a5
Sox12	Vwa5b1	Camk2n1	Otub2	Pax6
Npepl1	Kdm2b	Jph3	Slc25a44	Rnpepl1
Sec61a1	Sox12	Fam174b	Naga	Glp1r
Vipas39	Hspa12a	Pigo	Ttc39a	Vamp3
Wdr45b	Pla2g2f	Asb11	Coro2b	Sstr3
Tspan5	Ppp1r1a	Jph3	Tox3	Brp
Slc18a1	Msln1	Rab37	Adora1	
Josd1	Adra2a	Rims3	Glp1r	
B3gat2	Cdh7	Sox12		
Klf9	Ffar1	Flad1	Ttc28	Slc25a44
Kdm2b	Bhlhe41	Flad1		
Kctd15	Cplx3	Atl2	Tmem167	Socs2
Hadh	Neurod1	Cerk	Siah2	R3hdm2
Nkx2-2	Rtkn2			
Adora1	B3galt5			
Neu1	Hspa12a	Glp1r	Sox12	
Phf21b	Brp	Glp1r		
Ggt7	Pla2g2f	Hpgds	Coro2b	Sstr3
Neurod1	Hspa12a	Nmt2	Mpp3	R3hdm2
Josd1	Kdm2b	Cln6	Tmem135	Rab37
Josd1	Tmem135	Trp53inp2	Gpr119	Adora1
Phf21b	Rars2	Eif4e3	Slc22a23	Pcsk9
Ube3c	Esyt1	Tram1	Vamp3	Kcnb1
4833439L19Rik	Dusp23	Lmo1	Prkcb	Cxxc4
Josd1	Insig1	Dnmt3b		
Kdm2b	B3gat2	Fam174b	Slc25a44	
Cerk	Chpt1			
Kdm2b	Siah2	Kctd15	Cxxc4	Cln6

Gns	Kcnb1	Svil	Gga2	Kcnj12
Naga	Dusp23	Vamp3	Slc22a23	Ttyh2
Cyp4f39	Adora1	Ceacam1	Eva1b	D030025P21Rik
Fras1	Slc22a23	Npepl1	Syt2	Klf9
Gcgr	Nudt5	Hcn4	Polr2j	Rims3
Kcnb1	Pax6	Neurod1	Phf21b	Nkx6-1
Lss	Tmed9	Trp53inp2	Neurod1	Tshz1
Cxxc4	Fam210b	Atl2	Insig1	Klf9
Nudt5	Gns	Tram1	Rims3	Coro2b
Eif4e3	Pcsk9	Camk2n1	Kcng3	Diras2
Ggt7	Gga2	6430571L13Rik	Trp53inp2	Rab37
Bhlhe41	Slc29a1			
Eva1b	Sox12			
Rims3	Galnt18	Adipor1	Tbc1d22b	Pkdcc
Sox12	Eif4ebp1	Josd1	Trp53inp2	Neurod1
Josd1	Bpnt1	Cited2	Tmem135	Sec61a1
Slc22a23	Tmem135	Coro2b	Adora1	Car10
Papola	Vamp3	Bhlhe41		
Rfk	Klhdc8a	Ttc39a	Pax6	Rtkn2
Kdm2b	Lman2	Atl2	Rims3	Glul
Fam76a	Cntnap2	Klhdc8a	Rims3	Sox12
Grip1	Svip	Pkdcc	Cdh7	Insig1
Gcgr	Rnf115	Brp	Slc22a23	Kcnb1
Tmem135	Cplx3	Ffar1	Lypla2	Kctd15
Prkcb	Kctd15			
Socs2	Kcnb1			
Slc2a2	Brp	Bhlhe41		
Josd1	Adra2a	Camk2n1	Nudt5	Sox12
Trp53inp2	Slc40a1	Bmp1	Kdm2b	Slc7a5
Vamp3	Ppp1r37	Trp53inp2	Josd1	
Phf21b	Tox3	Cntnap2		
Rnf115	Syt2			
Tmem231	Tox3	Cnot4		
6430571L13Rik	Trp53inp2	Dcaf12l1		
Egfr	Gadd45g	Josd1	Gcgr	Tmem231
Galnt14	Nudt5	Sec61a1	R3hdm2	Bhlhe41
Rnpepl1	Camk2n1			
Neurod1	Impdh1	Wdr45b	Npepl1	Jph3
Lman2	Josd1	Vipas39	Syt2	
Bhlhe41	Phf21b	Tbc1d22b	Eif4e3	
Bhlhe41	Phf21b	Tbc1d22b	Eif4e3	Cntnap2
Pard3	Gga2	Vamp3	Fut10	Kcng3
Paxip1	Elovl2	Trp53inp2	Camk2n1	Pax6
Papola	Pcsk9	6430571L13Rik	Phf21b	Grip1
Mbd2	Socs2	Tspan5	Cxxc4	Neurod1
Grip1	Galnt18	Camk2n1	Kcng3	Kcnb1
Slc2a2	Kdm2b			
Vwa5b1	Mpp3			
Vamp3	Nudt5	Trp53inp2	Wdr45b	Kdelr1
Rars2	Gga2	Fras1	Prkar2b	Coq10a
Paxip1	Cda	Neurod1	Cerk	Nkx2-2
Kcnb1	Lrrc10b	Pard3	Ttc28	Prkar2b

Cited2	Trp53inp2	Sirpa	Glp1r	Gm4791
Egfr	Elovl2	Rnf182	Vipas39	Sirpa
Slc22a23	Ttc28	Bhlhe41	Brap	Mnx1
Rnf115	Nkx2-2	Kcnj12	Harbi1	Ubxn10
Hcn4	Ttc39a	Syt2	Slc22a23	Gns
Tox3	Lman2	B3gat2	Sirpa	Adra2a
Elovl2	Wdr45b	Ggt7	Fam76a	Grip1
Coro2b	Nudt5	Cited2	Tmem167	Ggt7
Fras1	Abcb10	Rtkn2	Tox3	Gga2
Pcsk9	Fut10			
Lman2	4833439L19Rik	Klf9	Cplx3	Klhdc8a
Nudt5	Slc40a1	Eif4e3	Coq10a	Trp53inp2
Josd1	Kcnb1	Dnmt3b	Insig1	Ina
Tmem167	Ppp1r3d			
Ttc28	Trp53inp2	Neurod1	Cux2	Grip1
Socs2	Jph3	Tram1	Fam210b	Prkar2b
Ttc28	Desi1	Rnf115	Adra2a	
Bmp1	Grip1	Trp53inp2	Cplx3	Cntnap2
Slc22a23	Camk2n1	Prrt3	Ggt7	Gga2
Gga2	Kctd15			
Tmem167	Tram1	Gch1	Plk3	Adora1
Egfr	Kdm2b	Cited2	Slc22a23	Nkx6-1
Kcnb1	Nmt2	Rims3	Asic1	Sec61a1
Th	Mlxipl	Gng4	Bmp1	Galnt14
Cpm	Pcsk9	Fancf	Otub2	
Frzb	Hcn4	Klf9	Camk2n1	Kcng3
Vamp3	Rims3	Tox3	Kdm2b	Pyroxd2
Vamp3	Camk2n1	Slc22a23	Prrt3	Gga2
Syt2	Tmem167	Kcnj12	Vamp3	Esyt1
Josd1	Prkar2b	Hepacam2	Camk2n1	
Pax6	Sox12	Ggt7	Insm1	
Socs2	Tram1	Kdm2b	Sec61a1	Lss

Target Gene 6	Target Gene 7	Target Gene 8	Target Gene 9	Target Gene 10
Galnt14	Phactr3	Pctp	Qsox2	Eif4ebp1
Slc22a23	Kcnb1	Prkcb	Mbd2	Foxo6
Prkar2b	Klf9	Slc22a23	Amigo2	Diras2
Pcsk9	Siah2	Mpp3	Syt2	Ttc28
Gns	Plk3	Gjd2	Qsox2	Ftl1
Ube3c	Rnf128	Papola	Coro2b	Josd1
Kcng3	Prkcb	Nmt2	R3hdm2	Tmed9
Tram1	Kdm2b	Ttyh2	Tox3	Bmp1
Kcng3	Hspa12a	Nmt2	Kcnj12	Bhlhe41
Ggt7	Fam76a	B3gat2	Papss2	Svil
Kcnj12	Hadh	Trp53inp2		
Papola	Otub2			
Trp53inp2	Neurod1	Tox3	Papola	6430571L13Rik
Rab37	Prkar2b	R3hdm2	Atl2	Kctd15
Cxxc4				
Plk3				
Glp1r	Parp6			
Cxxc4	Neurod1	Sult1d1		
Phactr3	Egfr	Trp53inp2	Mcf2l	
Kcnb1	Hspa12a			
Nmt2	Socs2	Elovl2	Nudt5	Lmo1
Glp1r	Syt2	Sirpa	G6pc2	
Neurod1	Kdm2b	B3gat2		
Fras1	Kctd15	Slc25a44	Sox12	Josd1
Slc22a23	Rims3	Tmem135	Krt80	Glp1r
Tbc1d22b				
Flad1	Sytl4			
Impdh1	Slc25a44	Tram1	Mbd2	Rnpepl1

Hcn4	Mbd2	Papola	Sirpa	Vamp3
Mcoln3	Fras1	Mpp3		
Rnf128	Mbd2	Eif4e3	Syt2	Rars2
Kctd15	Cux2	Mnx1	Papola	Cxxc4
Mnx1				
Pctp				
Elovl2	Desi1	Diras2	Pard3	Wdr45b
Sox12				
Prkar2b	Pard3	Desi1	Syt2	Insig1
Adra2a	Klf9	Diras2	B3gat2	Rims3
Adora2b	Slc22a23	Klhdc8a	Tbc1d22b	Sec61a1
Tshz1	Harbi1	Bhlhe41	Cntnap2	Otub2
B3gat2				
Tox3	Parp6	Josd1		
Gjd2	Cdh7	Cxxc4		
Prkcb	Por			
Eif4e3	Neurod1	Flad1	G6pc2	
Rab37	Glp1r	Syt2	Impdh1	Slc29a1
Tmem135	Phf21b	Desi1	Hspa12a	Pi4ka
Egfr	Tspan5			
Hspa12a	Mpp3	Ubxn10	Syt2	Sox12
Nme6	Papola			
Cntnap2	Syt2	Flad1	Pkdcc	
Mpp3	Ubxn10	Car10	Kctd15	Cntnap2
Rtkn2				
Asic1	Gch1	Atl2	Rims3	Mpp3
Ceacam1				

Coro2b	Slc25a44			
Ninj1	Syt2	Ttc28	Slc25a44	Sox12
Sox12				
Cpm	Nme6	Gatm	Tspan5	Trabd
Pax6	Parp6			
Kcng3	Cxxc4			
Syt2				
Uox				
Tspan5	Gga2	Rtkn2	Iffo1	Jph3
Tshz1	Hamp2	Nmt2	Parp6	Slc25a44
Fhdc1				
Slc2a2	Eif4e3	Rfk	Ttc28	Ina
Vstm2l	Tram1	Ina	Rims3	Camk2n1
Pi4ka	Nmt2	Fras1	Fam210b	Gch1
Tox3	Glp1r	Lrrc10b		
Sox12				
Fam210b	Trp53inp2	Syt2	Tmem231	
Angel1	Rims3	Plk3	Neurod1	Slc25a44
D630039A03Rik	Hspa12a	Dnmt3b	Adora1	B3galt5
Sox12				
Ttc39a	Brap	Ube3c	6430571L13Rik	Atl2
Tmed9	Prss53	Socs2	Cerk	Eif4e3
Ttc39a	Slc25a44			
Cux2				
Prrt3	Mbd2	Vamp3	Pon2	Nmt2
Jph3	Tram1	Slc22a23	Fam217b	Tox3
Ggt7	Trabd	Kcnj12	Neurod1	Elovl2
Atl2	Pard3			
Nudt5	Ttc28	Mlycd		
Klf9	Galnt18	Camk2n1	R3hdm2	Phactr3
Mbd2	Insm1	R3hdm2	Gm4791	Cxxc4
Elovl2	4833439L19Rik	Klf9		
Galnt18	Pcsk9	Kcng3	Slc35d3	Kcnb1
Desi1				
Desi1	Cxxc4	Neurod1	Grip1	Tox3

Cnot4				
Trp53inp2	Tram1	Kcng3	Syt2	Dnmt3b
Kctd15	Atf2			
Adora2b	Car10	Cntnap2	Asic1	Prkcb
Kcnb1	Hspa12a	Phf21b	Insm1	Diras2
Kcng3	Prkcb	Nmt2	Foxo6	Slc25a44
Kdm2b	Mbd2	Neurod1	Tmem135	Brap
Slc18a1	Hspa12a	Cntnap2	Flad1	Fancf
Dnmt3b	Insm1	Syt14	Cxxc4	
Pyroxd2	Pdx1			
Slc22a23	Tshz1	Elovl2	Syt2	
B3gat2	Prkar2b	Kcnb1	Socs2	Tshz1
Trp53inp2	Kcnb1	B3gat2	Prkcb	Hspa12a
Sox12				
Vamp3	Gjd2	Ina	Cplx3	Cdh7
Nkx2-2	Phf21b	Otub2		
Tbc1d22b	Camk2n1	B3gat2	Hspa12a	Rims3
Tspan5	B3gat2	Cntnap2	Klhdc8a	Slc22a23
F2	Fam210b	Hcn4	Prkar2b	Cited2
B3gat2	Rims3	Cntnap2		
Trp53inp2	Phf21b	Camk2n1	Slc22a23	Prrt3
Esyt1	Phf21b	Rims3	Cdh7	Tox3
Gch1	Bhlhe41	Egfr	Ftl1	Sec61a1
Camk2n1	Tshz1	Rims3	Glul	Pax6

Target Gene 11	Target Gene 12	Target Gene 13	Target Gene 14
Kcnb1	Rab3d	Tmed9	Cpm
Trp53inp2	Adh1	Socs2	Gga2
Insm1	Mpp3	Kdelr1	Phactr3
Cnot4	Fancf		
Trp53inp2	Klf9	Ldlr	Nkx2-2
Bhlhe41			
Svil	Mcoln3	Eif4ebp1	Kcng3
Atl2	Fer1l6	Gm4791	
Gch1	Tshz1	Rab3d	Svip
Mbd2	Coro2b	Sirpa	Pxmp4
Krt80	Fam217b	Klf9	Bhlhe41
Ube3c	Gm4791	Rnf182	Siah2
Ttyh2	Vamp3	Kcnj12	Tmed9
Ubxn10	Desi1	Tmem167	Bhlhe41
Socs2			

Fam217b

Adra2a

Fam210b

Tram1

Fancf

Bhlhe41
Papola

Cited2

Insm1

Diras2

Trabd

Pkdcc
Slc25a44

Syt2

Tmem167

Lrrc10b

Sox12

Nmt2

Gjd2

Prmt3

Ttyh2

Mbd2	Slc2a2	Tmem167	Kcng3
Kctd15 Dcaf12l1	Azgp1 Ninj1	Galr1	
B3galt5 Lrfn4	Prkcb Cntnap2	Fam210b Rab3d	Syt2
Neurod1	Glp1r	Papola	Slc22a23
R3hdm2	Adipor1	Sox12	Fras1
Tmed9 Ppp1r3d	Comt Slc40a1	Rnf128	Dcaf12l1
Trp53inp2	Ina	Tox3	Hcn4
Insm1	Mpp3	Foxo6	Kdelr1
Kcnab3	Ube3c	Diras2	Fam210b

Tspan5

Slc25a44
Mcf2Ldlr
PkdccJosd1
Pigo

Rtkn2

Kcnj12

Eif4e3

Insig1

Abrac1

Cited2
Nmt2Nmt2
Kctd15Fam210b
Ttc28

Gatm

Tbc1d22b

Coro2b

Dusp18

G6pc2

Mbd2
Papola
Coq10aKctd15
Tox3
Galnt18Tox3
Siah2
Pcsk9Bhlhe41
Diras2
Camk2n1Esyt1
Pax6
Cxxc4Pax6
Coro2b
Seph2Ubxn10
Pyroxd2
Nkx2-2Kdelr1
Tbc1d22b
Prkcb

Target Gene 15	Target Gene 16	Target Gene 17	Target Gene 18
Hcn4	Ppp1r37	Esyt1	Coro2b
Hcn4	Klf9	Npepl1	Chpt1
Cntnap2	Lrrc10b		
Siah2	Slc25a44	Parp6	
Kcng3	Ggt7	Slc29a1	Neurod1
Parp6			
Sox12	Kcnb1	Desi1	Grip1
Emid1	Impdh1	Syt2	Insig1
Chpt1			

Kcng3

Rars2

Asns

Otub2

Ttc28

Josd1

Rims3

Lrrc10b

Kcng3

Rnf128

Insig1

Slc22a23

Lrfn4

Tmem231

Ubxn10

Siah2

Nkx2-2

Fam210b

Kcnj12

Slc22a23

Sox12

Rnpepl1

Kctd15

Bhlhe41

Cntnap2

Svil

Elovl2

Slc22a23

Mbd2

Ogdhl

Rims3	Egfr		
Galnt14	B3gat2	Ddc	
Cxxc4			
Grip1	Klf9	Phf21b	Prkar2b
Kcng3	Sstr3	Mbd2	Msln
Nkx2-2	Bhlhe41	Cited2	Hadh
Kdelr1	Trp53inp2	Ubxn10	Hcn4

Target Gene 19	Target Gene 20	Target Gene 21	Target Gene 22
Kcnj12	At12	Svip	Cln6
Rnf128	Fras1	Sox12	Aldh9a1
Papola	Trp53inp2	Phf21b	
Ppp1r3d	Rnpepl1	Tmem167	Gjd2

Mcf2l	Cplx3	Acad12	Nme6
Eif4e3	Slc2a2	9130230L23Rik	Amigo2

Vamp3

Pon2

Klf9

B3gat2

Desi1

Lrrc10b

Ppp1r37

Rims3

Papss2

Insig1

Trp53inp2
Pyroxd2

Dnmt3b
Adora1

Kcng3
Efcab1

Hcn4
Flcn

Insig1
Cpm

Grip1
Galr1

Ube3c
G6pc2

Creb3l1

Target Gene 23 Asic1	Target Gene 24 Elovl2	Target Gene 25 Siah2	Target Gene 26 Pyroxd2
Phactr3	Fam174b	Fam76a	Insm1
Asic1	Otub2	Eva1b	Mfap5

Bhlhe41

Ceacam1

Fam217b

Mcf2l

Car10

B3galt5

Efcab1

Ubxn10	Car10	Tmed9	Cutc
Ldlr			

Target Gene 27	Target Gene 28	Target Gene 29	Target Gene 30
Glp1r	Kctd15	Lypla2	Sox12

Hepacam2

Frzb

Gatm

Galr1

Mfap5

G6pc2

Cdh7

Syt14

Lnx1

Target Gene 31
Gcgr

Target Gene 32

Target Gene 33

Target Gene 34

Glp1r

Cntnap2

Desi1

Pard3

Supplemental Table 6. DAVID clustering analysis of transcripts significantly down-regulated in MIR125B-
Annotation Enrichment Score: 3.4027137167837767

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_BGO:003202		8	2.614379	6.57E-06	GLP1R, UCN	259	50	18082
GOTERM_BGO:000974		9	2.941176	1.53E-05	NEUROD1,	259	78	18082
KEGG_PATImmu04911		8	2.614379	6.82E-04	GLP1R, KCM	134	86	7691
GOTERM_BGO:003007		5	1.633987	0.001497	NEUROD1,	259	35	18082
GOTERM_BGO:000721		4	1.30719	0.094756	GLP1R, UCN	259	76	18082

Annotation Enrichment Score: 2.830687870135445

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_BGO:003101		9	2.941176	9.80E-08	NEUROD1,	259	41	18082
KEGG_PATImmu04950		8	2.614379	2.63E-07	NEUROD1,	134	27	7691
GOTERM_BGO:004259		12	3.921569	3.28E-06	NEUROD1,	259	133	18082
GOTERM_BGO:000974		9	2.941176	1.53E-05	NEUROD1,	259	78	18082
GOTERM_BGO:000330		4	1.30719	2.26E-04	PDX1, PAX6	259	9	18082
GOTERM_BGO:000722		6	1.960784	0.003443	IFT172, PDZ	259	71	18082
GOTERM_BGO:000551		79	25.81699	0.007031	CNTNAP2, I	259	4092	17446
GOTERM_BGO:000332		3	0.980392	0.021332	INSM1, NKX	259	16	18082
GOTERM_BGO:000368		14	4.575163	0.021776	CITED2, PRI	259	466	17446
GOTERM_BGO:004249		11	3.594771	0.024158	NEUROD1,	259	339	18082
GOTERM_BGO:000635		12	3.921569	0.027748	MLXIPL, DB	259	397	18082
GOTERM_BGO:004559		4	1.30719	0.027778	NEUROD1,	259	46	18082
GOTERM_BGO:000107		6	1.960784	0.042807	MLXIPL, CU	259	129	17446
UP_KEYWORDDevelopme		20	6.535948	0.050257	PKDCC, CITI	295	976	22680
GOTERM_BGO:004566		5	1.633987	0.060018	SOCS2, NEL	259	103	18082
GOTERM_BGO:000727		22	7.189542	0.064848	PKDCC, CITI	259	1029	18082

Annotation Enrichment Score: 2.822109679909371

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWORDGlycoprote		82	26.79739	2.40E-06	GLP1R, CPA	295	3815	22680
GOTERM_CGO:001602		130	42.48366	2.88E-05	GALNT14, C	272	6998	19662
GOTERM_CGO:000578		37	12.0915	7.18E-05	GUCY2C, TF	272	1323	19662
UP_KEYWORDMembrane		137	44.77124	0.003018	GALNT14, C	295	8683	22680
UP_KEYWORDTransport		39	12.7451	0.005002	HCN4, TRAI	295	1901	22680
GOTERM_BGO:000681		40	13.0719	0.006626	HCN4, TRAI	259	1822	18082
UP_KEYWORDTransmembr		106	34.64052	0.035211	GALNT14, k	295	6955	22680
UP_KEYWORDTransmembr		105	34.31373	0.043311	GALNT14, k	295	6938	22680
GOTERM_CGO:001602		109	35.62092	0.052636	GALNT14, C	272	6878	19662

Annotation Enrichment Score: 2.3907658698789507

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWORDGolgi appar		24	7.843137	1.39E-04	PLK3, B3GA	295	753	22680
UP_KEYWORDTransferase		39	12.7451	4.24E-04	GALNT14, F	295	1654	22680
GOTERM_CGO:000013		15	4.901961	0.001488	B3GALNT1,	272	403	19662
GOTERM_BGO:001674		37	12.0915	0.001903	GALNT14, F	259	1472	17446
GOTERM_CGO:000579		30	9.803922	0.002094	CNTNAP2, C	272	1190	19662
GOTERM_BGO:000648		6	1.960784	0.025405	B3GALNT1,	259	116	18082
UP_KEYWORDGlycosyltra		8	2.614379	0.027865	PARP6, B3G	295	225	22680
GOTERM_BGO:000837		3	0.980392	0.034743	B3GALNT1,	259	20	17446
GOTERM_BGO:001675		8	2.614379	0.035378	PARP6, B3G	259	208	17446

Annotation Enrichment Score: 2.3863434195903883

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYW	Lipid metabolite	15	4.901961	0.001174	PLA2G2F, L	295	417	22680
GOTERM_BGO:	000663	9	2.941176	0.001822	LYPLA2, HP	259	156	18082
GOTERM_BGO:	000662	16	5.228758	0.002524	PLA2G2F, L	259	459	18082
UP_KEYW	Fatty acid n	7	2.287582	0.005624	LYPLA2, HP	295	124	22680
GOTERM_BGO:	000820	5	1.633987	0.038553	INSIG1, PCS	259	89	18082

Annotation Enrichment Score: 2.359045089108157

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:	000578	37	12.0915	7.18E-05	GUCY2C, TF	272	1323	19662
UP_KEYW	Golgi appar	24	7.843137	1.39E-04	PLK3, B3GA	295	753	22680
UP_KEYW	Endoplasmic	27	8.823529	6.02E-04	GUCY2C, TF	295	997	22680
GOTERM_CGO:	000579	30	9.803922	0.002094	CNTNAP2, C	272	1190	19662
GOTERM_CGO:	000578	20	6.535948	0.004669	GUCY2C, TF	272	710	19662
UP_KEYW	Transport	39	12.7451	0.005002	HCN4, TRAI	295	1901	22680
GOTERM_BGO:	000681	40	13.0719	0.006626	HCN4, TRAI	259	1822	18082
GOTERM_CGO:	000579	5	1.633987	0.014429	TMED9, MC	272	68	19662
GOTERM_BGO:	001503	16	5.228758	0.02321	BBS2, TRAN	259	592	18082
GOTERM_CGO:	003141	16	5.228758	0.035284	SYT2, GCH1	272	646	19662
UP_KEYW	Protein tra	14	4.575163	0.038609	BBS2, TRAN	295	577	22680
UP_KEYW	Cytoplasmic	12	3.921569	0.055248	GRIP1, CEA	295	489	22680

Annotation Enrichment Score: 2.3104935551105847

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
KEGG_PATImm	01100	41	13.39869	6.24E-05	CDA, GALN	134	1269	7691
GOTERM_CGO:	000573	35	11.43791	0.021036	CERK, RAB3	272	1721	19662
UP_KEYW	Acetylation	50	16.33987	0.089153	RAB3D, IFT	295	3125	22680

Annotation Enrichment Score: 2.2962235184659345

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
KEGG_PATImm	01100	41	13.39869	6.24E-05	CDA, GALN	134	1269	7691
UP_KEYW	Hydrolase	35	11.43791	0.004853	OTUB2, CD	295	1646	22680
GOTERM_IGO:	000382	16	5.228758	0.005265	CDA, DDC, C	259	479	17446
GOTERM_BGO:	000815	15	4.901961	0.006906	GSTM2, GC	259	463	18082
GOTERM_IGO:	001678	33	10.78431	0.029623	OTUB2, CD	259	1533	17446
UP_KEYW	Protease	13	4.248366	0.051162	OTUB2, CPI	295	542	22680

Annotation Enrichment Score: 2.1760098013296694

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_BGO:	001584	3	0.980392	0.001194	DDC, TH, SL	259	4	18082
KEGG_PATImm	05031	6	1.960784	0.005877	DDC, TH, PF	134	67	7691
KEGG_PATImm	05030	5	1.633987	0.009927	DDC, TH, CF	134	49	7691
KEGG_PATImm	04728	7	2.287582	0.028379	DDC, TH, GI	134	134	7691

Annotation Enrichment Score: 1.985604052043045

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_IGO:	000382	16	5.228758	0.005265	CDA, DDC, C	259	479	17446
UP_KEYW	Lyase	7	2.287582	0.012086	GUCY2C, DI	295	146	22680
GOTERM_IGO:	001682	7	2.287582	0.017358	GUCY2C, DI	259	139	17446

Annotation Enrichment Score: 1.8319016156233738

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWOC	Flavoprotei	8	2.614379	0.001558	POR, FLAD1	295	130	22680
UP_KEYWOC	FAD	7	2.287582	0.004425	POR, FLAD1	295	118	22680
UP_KEYWOC	Oxidoreduc	17	5.555556	0.009571	KDM2B, DIK	295	639	22680
GOTERM_CGO:	000573	35	11.43791	0.021036	CERK, RAB3	272	1721	19662
GOTERM_BGO:	005511	17	5.555556	0.033604	KDM2B, DIK	259	676	18082
GOTERM_IGO:	001649	16	5.228758	0.035452	KDM2B, DIK	259	604	17446
GOTERM_IGO:	005066	4	1.30719	0.090839	POR, GSR, F	259	72	17446

Annotation Enrichment Score: 1.6609775259850887

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWOC	Ligase	11	3.594771	0.011327	RARS2, CNC	295	330	22680
GOTERM_IGO:	001687	12	3.921569	0.019168	RARS2, CNC	259	362	17446
GOTERM_IGO:	000827	24	7.843137	0.047905	BRAP, CDA,	259	1075	17446

Annotation Enrichment Score: 1.4801378286559157

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWOC	Transport	39	12.7451	0.005002	HCN4, TRAI	295	1901	22680
GOTERM_BGO:	000681	40	13.0719	0.006626	HCN4, TRAI	259	1822	18082
GOTERM_CGO:	004302	15	4.901961	0.016605	HCN4, PLK3	272	534	19662
UP_KEYWOC	Potassium	6	1.960784	0.020171	HCN4, KCN	295	120	22680
UP_KEYWOC	Voltage-gat	6	1.960784	0.032327	HCN4, KCN	295	136	22680
GOTERM_BGO:	003476	6	1.960784	0.044355	HCN4, KCN	259	135	18082
GOTERM_IGO:	000524	6	1.960784	0.048999	HCN4, KCN	259	134	17446
UP_KEYWOC	Potassium t	5	1.633987	0.050682	HCN4, KCN	295	107	22680
UP_KEYWOC	Ion channe	9	2.941176	0.072341	HCN4, KCN	295	336	22680
GOTERM_BGO:	005508	10	3.267974	0.077925	HCN4, SLC2	259	364	18082
GOTERM_IGO:	000524	4	1.30719	0.085138	HCN4, KCN	259	70	17446
GOTERM_CGO:	004520	12	3.921569	0.09124	GRIP1, SYT2	272	505	19662

-Tg islets vs Controls (padj <0.1). Enriched UniProtein Keywords, Gene Ontology Terms and KEGGs Pathw

Fold Enrich	Bonferroni	Benjamini	FDR
11.17035	0.009048	0.003028	0.003008
8.055539	0.020898	0.005276	0.005242
5.339118	0.124508	0.044308	0.044308
9.973525	0.874299	0.229018	0.227527
3.674456	1	1	0.994211

Fold Enrich	Bonferroni	Benjamini	FDR
15.32517	1.36E-04	1.36E-04	1.35E-04
17.00608	5.12E-05	5.12E-05	5.12E-05
6.299068	0.004531	0.002269	0.002254
8.055539	0.020898	0.005276	0.005242
31.02874	0.268951	0.062602	0.062195
5.899831	0.991546	0.317426	0.315361
1.300432	0.973204	0.901687	0.901687
13.09025	1	1	0.994211
2.023663	0.999988	1	1
2.265373	1	1	0.994211
2.110267	1	1	0.994211
6.070841	1	1	0.994211
3.13298	1	1	1
1.575438	0.999998	0.401546	0.382942
3.389062	1	1	0.994211
1.492636	1	1	0.994211

Fold Enrich	Bonferroni	Benjamini	FDR
1.652496	6.20E-04	6.23E-04	5.94E-04
1.342852	0.007708	0.007737	0.007709
2.021625	0.01914	0.009663	0.009627
1.213031	0.5415	0.097705	0.093178
1.577261	0.725789	0.117784	0.112326
1.532704	0.999899	0.561832	0.558176
1.171736	0.999904	0.379988	0.362383
1.163526	0.999989	0.401546	0.382942
1.145574	1	0.832893	0.829797

Fold Enrich	Bonferroni	Benjamini	FDR
2.450402	0.035244	0.018008	0.017174
1.812801	0.103628	0.0366	0.034904
2.690574	0.330005	0.133396	0.1329
1.693129	0.623622	0.488115	0.488115
1.822355	0.43107	0.140852	0.140328
3.611104	1	1	0.994211
2.733559	0.999318	0.379842	0.362243
10.10386	1	1	1
2.590734	1	1	1

Fold Enrich	Bonferroni	Benjamini	FDR
2.765516	0.261393	0.052594	0.050157
4.02777	0.919807	0.229018	0.227527
2.433627	0.969747	0.249373	0.24775
4.340077	0.766645	0.121393	0.115769
3.922173	1	1	0.994211

Fold Enrich	Bonferroni	Benjamini	FDR
2.021625	0.01914	0.009663	0.009627
2.450402	0.035244	0.018008	0.017174
2.082043	0.143898	0.03898	0.037174
1.822355	0.43107	0.140852	0.140328
2.036247	0.716071	0.251218	0.250284
1.577261	0.725789	0.117784	0.112326
1.532704	0.999899	0.561832	0.558176
5.315203	0.979953	0.590942	0.588745
1.886883	1	1	0.994211
1.790384	0.999936	0.736741	0.734002
1.865406	0.999961	0.39833	0.379874
1.886659	1	0.42086	0.40136

Fold Enrich	Bonferroni	Benjamini	FDR
1.854386	0.012101	0.006087	0.006087
1.470097	0.996717	0.612068	0.609793
1.230102	1	0.607651	0.579498

Fold Enrich	Bonferroni	Benjamini	FDR
1.854386	0.012101	0.006087	0.006087
1.63478	0.71495	0.117784	0.112326
2.24999	0.933344	0.900358	0.900358
2.261814	0.999932	0.561832	0.558176
1.45	1	1	1
1.844018	0.999999	0.401546	0.382942

Fold Enrich	Bonferroni	Benjamini	FDR
52.361	0.808616	0.206412	0.205068
5.139898	0.683155	0.229192	0.229192
5.856686	0.857083	0.322637	0.322637
2.998274	0.996353	0.625969	0.625969

Fold Enrich	Bonferroni	Benjamini	FDR
2.24999	0.933344	0.900358	0.900358
3.686092	0.956592	0.195637	0.186573
3.392184	0.999874	1	1

Fold Enrich	Bonferroni	Benjamini	FDR
4.73116	0.331219	0.057649	0.054978
4.560758	0.681487	0.117784	0.112326
2.045357	0.916357	0.177063	0.168859
1.470097	0.996717	0.612068	0.609793
1.755694	1	1	0.994211
1.784346	1	1	1
3.742171	1	1	1

Fold Enrich	Bonferroni	Benjamini	FDR
2.562712	0.947077	0.195571	0.18651
2.232897	0.999951	1	1
1.50383	1	1	1

Fold Enrich	Bonferroni	Benjamini	FDR
1.577261	0.725789	0.117784	0.112326
1.532704	0.999899	0.561832	0.558176
2.030527	0.988938	0.590942	0.588745
3.844068	0.994791	0.29024	0.276792
3.391825	0.999792	0.379988	0.362383
3.102874	1	1	0.994211
3.016078	1	1	1
3.592587	0.999999	0.401546	0.382942
2.059322	1	0.506385	0.482924
1.917985	1	1	0.994211
3.84909	1	1	1
1.717705	1	1	1

ways were semantically clustered.

Supplemental Table 6. DAVID clustering analysis of transcripts significantly up-regulated in MIR125B-Tg
 Annotation Enrichment Score: 7.605458034478096

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWOC	Phosphoprotein	203	52.18509	2.41E-14	APP, KLHDC	388	7617	22680
GOTERM_CGO:000551		139	35.73265	1.75E-12	APP, RAB3C	343	4092	17446
GOTERM_CGO:000573		169	43.44473	1.13E-06	APP, WWC1	369	6631	19662
UP_KEYWOC	Cytoplasm	106	27.24936	1.26E-04	WWC1, PLEKHA7	388	4404	22680
GOTERM_CGO:000582		52	13.36761	0.001563	RAB3C, CDH1	369	1784	19662

Annotation Enrichment Score: 5.315027173001744

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:003042		31	7.969152	1.79E-11	ACHE, APP, RAB3C	369	370	19662
UP_KEYWOC	Lipoprotein	30	7.712082	8.11E-05	RAB3C, ACHE	388	780	22680
UP_KEYWOC	Palmitate	10	2.570694	0.078164	SMPD3, RGL1	388	304	22680

Annotation Enrichment Score: 5.115710092008734

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWOC	Glycoprotein	133	34.19023	3.99E-17	SEMA5A, APP	388	3815	22680
GOTERM_CGO:001602		201	51.67095	9.93E-14	APP, SERPINF1	369	6998	19662
UP_KEYWOC	Disulfide bond	109	28.02057	1.61E-13	SEMA5A, APP	388	3124	22680
GOTERM_BGO:000715		34	8.74036	2.37E-10	LAMA5, COL1A1	344	485	18082
UP_KEYWOC	Secreted	66	16.96658	4.49E-10	SNED1, COL1A1	388	1685	22680
GOTERM_CGO:000557		26	6.683805	1.52E-09	LAMA5, COL1A1	369	316	19662
UP_KEYWOC	Cell adhesion	30	7.712082	1.72E-09	LAMA5, COL1A1	388	459	22680
GOTERM_CGO:000557		69	17.73779	5.30E-09	SNED1, COL1A1	369	1753	19662
GOTERM_CGO:000588		141	36.24679	9.22E-09	APP, RAB3C	369	4874	19662
UP_KEYWOC	Signal	124	31.87661	2.51E-08	SEMA5A, APP	388	4543	22680
GOTERM_CGO:000560		14	3.598972	3.16E-08	LAMA5, COL1A1	369	97	19662
UP_KEYWOC	Membrane	201	51.67095	4.72E-08	APP, PLEKH	388	8683	22680
GOTERM_CGO:007006		87	22.36504	2.21E-07	SEMA5A, SNED1	369	2674	19662
UP_KEYWOC	Extracellular	18	4.627249	6.65E-07	LAMA5, COL1A1	388	235	22680
GOTERM_BGO:003019		13	3.341902	1.75E-06	LAMA5, APP	344	114	18082
UP_KEYWOC	Cell membrane	101	25.96401	2.06E-06	RAB3C, WWC1	388	3759	22680
GOTERM_CGO:003101		20	5.141388	3.12E-06	LAMA5, COL1A1	369	294	19662
UP_KEYWOC	EGF-like domain	16	4.113111	7.74E-06	NOTCH2, SNED1	388	224	22680
UP_KEYWOC	Development	36	9.254499	3.08E-05	SEMA5A, NRP1	388	976	22680
UP_KEYWOC	Basement membrane	6	1.542416	3.00E-04	LAMA5, LAIR1	388	35	22680
GOTERM_BGO:000727		37	9.511568	3.05E-04	SEMA5A, NRP1	344	1029	18082
GOTERM_CGO:000560		5	1.285347	3.75E-04	LAMA5, AC	369	19	19662
KEGG_PATH	Immune system	9	2.313625	4.81E-04	LAMA5, COL1A1	162	88	7691
KEGG_PATH	Immune system	9	2.313625	4.81E-04	KCNK5, COL1A1	162	88	7691
KEGG_PATH	Immune system	20	5.141388	5.64E-04	APC2, LAMA5	162	395	7691
KEGG_PATH	Immune system	18	4.627249	0.001032	LAMA5, MIF	162	351	7691
GOTERM_CGO:000561		46	11.82519	0.001209	LAMA5, COL1A1	369	1504	19662
GOTERM_CGO:000588		37	9.511568	0.001238	KCNK5, NOTCH2	369	1126	19662
KEGG_PATH	Immune system	13	3.341902	0.001296	LAMA5, MIF	162	207	7691
UP_KEYWOC	Laminin	5	1.285347	0.001824	LAMA5, LAIR1	388	31	22680
GOTERM_CGO:000561		3	0.771208	0.002045	LAMA5, LAIR1	369	4	19662
KEGG_PATH	Immune system	9	2.313625	0.003064	LAMA5, TG	162	117	7691
GOTERM_BGO:000752		5	1.285347	0.005649	LAMB2, ERI	344	38	18082
KEGG_PATH	Immune system	7	1.799486	0.008127	LAMA5, CD	162	84	7691
UP_KEYWOC	Transmembrane	141	36.24679	0.011055	SEMA5A, APP	388	6955	22680

UP_KEYWORDTransmembr	140	35.98972	0.013447	SEMA5A, A	388	6938	22680
UP_KEYWORDCollagen	6	1.542416	0.015199	COL18A1, S	388	85	22680
GOTERM_BGO:000828	19	4.884319	0.015783	NOTCH2, V	344	542	18082
GOTERM_CGO:000558	6	1.542416	0.019772	COL18A1, S	369	83	19662
KEGG_PATHImmuno05145	7	1.799486	0.022543	LAMA5, TG	162	105	7691
GOTERM_BGO:003032	7	1.799486	0.030921	LAMA5, MM	344	124	18082
GOTERM_IGO:000517	6	1.542416	0.046895	LAMA5, MM	343	100	17446

Annotation Enrichment Score: 4.759109207538803

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_BGO:000741		19	4.884319	4.78E-10	SEMA5A, SI	344	149	18082
GOTERM_IGO:004549		10	2.570694	1.32E-09	SEMA5A, SI	343	27	17446
GOTERM_BGO:003033		19	4.884319	6.63E-08	SEMA6C, C	344	203	18082
GOTERM_IGO:003021		7	1.799486	2.30E-06	SEMA5A, SI	343	21	17446
KEGG_PATHImmuno04360		14	3.598972	2.63E-06	SEMA5A, SI	162	129	7691
GOTERM_BGO:000175		9	2.313625	3.54E-06	SEMA5A, L	344	49	18082
GOTERM_BGO:004884		7	1.799486	7.45E-06	SEMA5A, SI	344	26	18082
GOTERM_BGO:000739		22	5.655527	1.16E-05	SEMA5A, SI	344	377	18082
UP_KEYWORDDifferentiat		28	7.197943	1.95E-05	SEMA5A, N	388	646	22680
GOTERM_BGO:004884		5	1.285347	2.44E-05	ALCAM, SV	344	10	18082
UP_KEYWORDNeurogene		16	4.113111	2.46E-05	SEMA5A, SI	388	247	22680
UP_KEYWORDDevelopme		36	9.254499	3.08E-05	SEMA5A, N	388	976	22680
GOTERM_BGO:003015		33	8.48329	3.66E-05	SEMA5A, N	344	780	18082
GOTERM_BGO:007152		7	1.799486	3.83E-05	SEMA5A, SI	344	34	18082
GOTERM_BGO:005091		6	1.542416	1.13E-04	SEMA3C, SI	344	26	18082
GOTERM_BGO:000176		11	2.827763	1.27E-04	GJA1, SEMA	344	124	18082
UP_KEYWORDImmunoglo		21	5.398458	2.52E-04	MYBPC2, P	388	481	22680
GOTERM_BGO:000727		37	9.511568	3.05E-04	SEMA5A, N	344	1029	18082
GOTERM_IGO:003819		3	0.771208	0.009923	SEMA3C, SI	343	8	17446
GOTERM_BGO:004867		4	1.028278	0.012734	SEMA5A, D	344	26	18082
GOTERM_BGO:002195		3	0.771208	0.020885	DCX, SLIT2,	344	12	18082

Annotation Enrichment Score: 4.6823816145377855

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:003042		31	7.969152	1.79E-11	ACHE, APP,	369	370	19662
GOTERM_CGO:004302		28	7.197943	3.24E-06	ACHE, NRSF	369	534	19662
GOTERM_CGO:003042		26	6.683805	6.47E-06	ACHE, KCN	369	490	19662
GOTERM_CGO:004520		26	6.683805	1.09E-05	ACHE, SDC2	369	505	19662
GOTERM_CGO:004300		20	5.141388	3.87E-04	APP, ACHE,	369	420	19662
UP_KEYWORDSynapse		13	3.341902	0.020287	GABRP, ACI	388	357	22680
GOTERM_CGO:004273		5	1.285347	0.052092	ACHE, SYT1	369	75	19662

Annotation Enrichment Score: 4.3741962281497715

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_IGO:004549		10	2.570694	1.32E-09	SEMA5A, SI	343	27	17446
GOTERM_CGO:000561		46	11.82519	0.001209	LAMA5, CO	369	1504	19662
UP_KEYWORDLeucine-ricl		10	2.570694	0.047177	CARMIL2, F	388	275	22680

Annotation Enrichment Score: 3.999878549536939

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWORDCell junctio		33	8.48329	1.38E-07	ACHE, KCN	388	661	22680
GOTERM_CGO:000592		25	6.426735	3.96E-07	CD81, CD9	369	391	19662

UP_KEYWORDCell project	32	8.226221	7.43E-07	TENM4, WI	388	678	22680
GOTERM_CGO:003005	35	8.997429	7.45E-07	ACHE, KCN	369	718	19662
GOTERM_CGO:001406	17	4.37018	1.21E-05	DMTN, ARF	369	239	19662
GOTERM_CGO:004299	32	8.226221	1.26E-05	TENM4, WI	369	712	19662
GOTERM_CGO:003002	12	3.084833	2.72E-04	CARMIL2, P	369	164	19662
GOTERM_CGO:000591	13	3.341902	4.24E-04	APP, CARM	369	201	19662
GOTERM_CGO:004319	8	2.056555	0.02156	TIAM1, APF	369	148	19662
GOTERM_CGO:006017	4	1.028278	0.038586	EVC2, EVC,	369	40	19662
GOTERM_BGO:003209	5	1.285347	0.040169	TIAM1, CAL	344	68	18082
GOTERM_CGO:003017	5	1.285347	0.056373	ARL4C, PAL	369	77	19662

Annotation Enrichment Score: 3.5237846606617587

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWORDCell junctio		33	8.48329	1.38E-07	ACHE, KCN	388	661	22680
GOTERM_CGO:003005		35	8.997429	7.45E-07	ACHE, KCN	369	718	19662
GOTERM_CGO:004520		26	6.683805	1.09E-05	ACHE, SDC2	369	505	19662
GOTERM_CGO:004521		12	3.084833	0.003206	GABRP, ACI	369	222	19662
UP_KEYWORDSynapse		13	3.341902	0.020287	GABRP, ACI	388	357	22680
GOTERM_BGO:001405		3	0.771208	0.032009	SYT1, KCNA	344	15	18082
GOTERM_BGO:005080		3	0.771208	0.092342	SYT1, NCS1	344	27	18082

Annotation Enrichment Score: 3.426421635606743

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWORDCell junctio		33	8.48329	1.38E-07	ACHE, KCN	388	661	22680
GOTERM_CGO:000592		25	6.426735	3.96E-07	CD81, CD99	369	391	19662
GOTERM_CGO:003005		35	8.997429	7.45E-07	ACHE, KCN	369	718	19662
GOTERM_CGO:003002		12	3.084833	2.72E-04	CARMIL2, P	369	164	19662
GOTERM_CGO:000591		13	3.341902	4.24E-04	APP, CARM	369	201	19662
GOTERM_CGO:001562		13	3.341902	4.24E-04	CARMIL2, C	369	201	19662
UP_KEYWORDCytoskeletc		34	8.74036	8.43E-04	CRMP1, EVI	388	1073	22680
GOTERM_CGO:000585		35	8.997429	0.003506	CRMP1, EVI	369	1113	19662
GOTERM_BGO:009860		10	2.570694	0.010198	FLRT3, EFHD	344	189	18082
GOTERM_CGO:000591		13	3.341902	0.016365	LAMA3, PPI	369	316	19662
GOTERM_BGO:003021		5	1.285347	0.078211	MAP2K1, SI	344	85	18082
GOTERM_BGO:009864		10	2.570694	0.099241	EFHD2, PAK	343	279	17446

Annotation Enrichment Score: 3.1195621936993243

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:003042		13	3.341902	4.67E-05	APP, NRSN	369	159	19662
GOTERM_CGO:004300		20	5.141388	3.87E-04	APP, ACHE,	369	420	19662
GOTERM_BGO:005088		5	1.285347	0.0242	APP, ALDH1	344	58	18082

Annotation Enrichment Score: 2.5357859360430246

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:000579		43	11.05398	5.85E-05	ACHE, APP,	369	1190	19662
UP_KEYWORDGolgi appar		24	6.169666	0.005434	APC2, SCAR	388	753	22680
GOTERM_CGO:000013		13	3.341902	0.077699	SCARA3, PA	369	403	19662

Annotation Enrichment Score: 2.5265662870795746

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:004512		16	4.113111	1.33E-04	APP, KIRREI	369	262	19662
GOTERM_CGO:000590		7	1.799486	0.005525	ADCYAP1R	369	86	19662

GOTERM_CGO:003141 20 5.141388 0.035726 APP, DMTN 369 646 19662

Annotation Enrichment Score: 2.4963111893153997

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_BGO:000750		16	4.113111	1.47E-04	DNAH11, T	344	261	18082
GOTERM_BGO:001062		17	4.37018	0.004169	TGFB2, MA	344	399	18082
GOTERM_BGO:000150		6	1.542416	0.053081	TGFB2, SM	344	107	18082

Annotation Enrichment Score: 2.382903447387747

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:001562		13	3.341902	4.24E-04	CARMIL2, C	369	201	19662
UP_KEYWCMethylation		29	7.455013	0.004289	RAB3C, PHL	388	960	22680
UP_KEYWCell shape		4	1.028278	0.00958	CDC42EP4,	388	26	22680
GOTERM_BGO:000836		8	2.056555	0.01689	STRIP2, DM	344	139	18082

Annotation Enrichment Score: 2.288745605811435

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:001406		17	4.37018	1.21E-05	DMTN, ARF	369	239	19662
UP_KEYWOCytoskeleton		34	8.74036	8.43E-04	CRMP1, EV	388	1073	22680
GOTERM_CGO:000585		35	8.997429	0.003506	CRMP1, EV	369	1113	19662
GOTERM_IGO:000801		10	2.570694	0.017386	REEP1, TIA	343	200	17446
UP_KEYWCMicrotubul		10	2.570694	0.038003	APC2, TUBE	388	264	22680
GOTERM_CGO:000587		12	3.084833	0.044795	APC2, TIA	369	327	19662
GOTERM_CGO:000587		3	0.771208	0.090272	MAP1A, M	369	27	19662

Annotation Enrichment Score: 2.2358636413618718

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_BGO:005101		6	1.542416	4.85E-04	DMTN, CAL	344	35	18082
GOTERM_IGO:000377		16	4.113111	0.002874	DMTN, MY	343	338	17446
GOTERM_CGO:000588		6	1.542416	0.008891	APC2, DMT	369	68	19662
UP_KEYWCActin-binding		11	2.827763	0.011672	MYO1E, DN	388	252	22680
GOTERM_IGO:005101		7	1.799486	0.045745	MYO1E, PL	343	132	17446

Annotation Enrichment Score: 2.1114828603047564

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_BGO:003033		19	4.884319	6.63E-08	SEMA6C, C	344	203	18082
GOTERM_BGO:001647		17	4.37018	7.74E-07	APC2, LAM	344	191	18082
GOTERM_BGO:000828		24	6.169666	1.30E-06	NOTCH2, T	344	384	18082
GOTERM_BGO:003019		13	3.341902	1.75E-06	LAMA5, AP	344	114	18082
KEGG_PATImmu05205		15	3.856041	8.43E-05	TGFB2, MA	162	203	7691
UP_KEYWCCleavage of		15	3.856041	1.00E-04	GDF10, TGF	388	248	22680
KEGG_PATImmu04390		12	3.084833	3.09E-04	APC2, WW	162	151	7691
KEGG_PATImmu05200		20	5.141388	5.64E-04	APC2, LAM	162	395	7691
GOTERM_BGO:003030		10	2.570694	6.36E-04	TRO, TGFB2	344	125	18082
KEGG_PATImmu04151		18	4.627249	0.001032	LAMA5, M	162	351	7691
KEGG_PATImmu04510		13	3.341902	0.001296	LAMA5, M	162	207	7691
GOTERM_IGO:004698		22	5.655527	0.001297	CENPT, TGF	343	514	17446
GOTERM_BGO:005178		6	1.542416	0.001564	TGFB2, TGF	344	45	18082
GOTERM_BGO:005068		7	1.799486	0.002434	TGFB2, CDK	344	72	18082
GOTERM_BGO:007037		5	1.285347	0.002671	PKHD1, TIA	344	31	18082
GOTERM_BGO:000194		6	1.542416	0.002987	LAMA5, TG	344	52	18082
GOTERM_BGO:004867		5	1.285347	0.003008	MAP2K1, FI	344	32	18082

KEGG_PATImmu04014	13	3.341902	0.003026	MAP2K1, G	162	229	7691
UP_KEYWCMitogen	5	1.285347	0.003194	TGFB2, TGF	388	36	22680
GOTERM_BGO:004341	8	2.056555	0.003669	CAV2, WW	344	104	18082
GOTERM_BGO:000471	6	1.542416	0.00405	ERBB3, ERB	343	54	17446
GOTERM_BGO:006034	6	1.542416	0.004128	MMP14, SH	344	56	18082
GOTERM_BGO:001062	17	4.37018	0.004169	TGFB2, MA	344	399	18082
GOTERM_BGO:004212	12	3.084833	0.004176	LAMA5, TG	344	227	18082
GOTERM_BGO:000705	7	1.799486	0.004389	NOTCH2, T	344	81	18082
GOTERM_BGO:004340	6	1.542416	0.005167	GDF10, TGF	344	59	18082
KEGG_PATImmu04015	12	3.084833	0.005174	TIAM1, DO	162	214	7691
GOTERM_BGO:000164	8	2.056555	0.005777	GDF10, WV	344	113	18082
GOTERM_BGO:000152	12	3.084833	0.006106	COL18A1, M	344	239	18082
UP_KEYWCGrowth fac	8	2.056555	0.006205	GDF10, TGF	388	127	22680
GOTERM_BGO:004881	6	1.542416	0.006824	GJA1, MAP	344	63	18082
GOTERM_BGO:001406	6	1.542416	0.00729	TGFB2, PDC	344	64	18082
GOTERM_BGO:003030	7	1.799486	0.007312	TGFB2, MM	344	90	18082
GOTERM_BGO:004814	6	1.542416	0.007777	TGIF1, CDK	344	65	18082
KEGG_PATImmu04012	7	1.799486	0.009594	MAP2K1, C	162	87	7691
GOTERM_BGO:004521	4	1.028278	0.010192	TGFB2, GJA	344	24	18082
KEGG_PATImmu05219	5	1.285347	0.01026	MAP2K1, C	162	41	7691
GOTERM_BGO:000516	5	1.285347	0.010631	GDF10, TGF	343	44	17446
GOTERM_BGO:000166	10	2.570694	0.011226	TGFB2, MM	344	192	18082
KEGG_PATImmu05212	6	1.542416	0.011365	TGFB2, MA	162	65	7691
GOTERM_BGO:000170	13	3.341902	0.012102	NOTCH2, SI	344	299	18082
GOTERM_BGO:000012	24	6.169666	0.01225	TLE4, NOTC	344	729	18082
GOTERM_BGO:000165	5	1.285347	0.012848	SMAD3, SD	344	48	18082
UP_KEYWCTyrosine-pr	7	1.799486	0.013029	MAP2K1, E	388	113	22680
GOTERM_BGO:000018	6	1.542416	0.014711	MAP2K1, T	344	76	18082
GOTERM_BGO:000828	19	4.884319	0.015783	NOTCH2, W	344	542	18082
GOTERM_BGO:000510	16	4.113111	0.016335	LAMA5, AP	343	412	17446
KEGG_PATImmu05144	5	1.285347	0.017618	TGFB2, TGF	162	48	7691
GOTERM_BGO:000808	8	2.056555	0.024315	GDF10, TGF	343	145	17446
GOTERM_BGO:001071	4	1.028278	0.026234	WWTR1, TC	344	34	18082
GOTERM_BGO:003028	4	1.028278	0.028301	PTN, FGFR3	344	35	18082
GOTERM_BGO:003106	4	1.028278	0.028301	TGFB2, SM	344	35	18082
GOTERM_BGO:000471	7	1.799486	0.031981	MAP2K1, E	343	121	17446
KEGG_PATImmu04350	6	1.542416	0.032436	TGIF1, TGFI	162	85	7691
GOTERM_BGO:004206	6	1.542416	0.033299	NOTCH2, T	344	94	18082
GOTERM_BGO:004883	5	1.285347	0.036594	TGFB2, TGF	344	66	18082
KEGG_PATImmu05215	6	1.542416	0.036878	MAP2K1, C	162	88	7691
KEGG_PATImmu04010	11	2.827763	0.037637	TGFB2, MA	162	251	7691
GOTERM_BGO:009719	4	1.028278	0.04245	TGFB2, SM	344	41	18082
KEGG_PATImmu05210	5	1.285347	0.0446	APC2, TGFB	162	64	7691
KEGG_PATImmu05230	5	1.285347	0.0446	MAP2K1, E	162	64	7691
GOTERM_BGO:004856	4	1.028278	0.045094	SMO, TGFB	344	42	18082
KEGG_PATImmu04110	7	1.799486	0.04546	TGFB2, CDK	162	124	7691
KEGG_PATImmu04144	11	2.827763	0.047003	EPN3, SMA	162	261	7691
GOTERM_BGO:004516	5	1.285347	0.047893	ONECUT2, '	344	72	18082
GOTERM_BGO:000717	4	1.028278	0.053503	ERBB3, GAE	344	45	18082
KEGG_PATImmu05211	5	1.285347	0.053667	TGFB2, MA	162	68	7691
GOTERM_BGO:000988	6	1.542416	0.056619	NOTCH2, L	344	109	18082
GOTERM_BGO:001701	3	0.771208	0.057723	TIAM1, MA	343	20	17446

GOTERM_BGO:006039	5	1.285347	0.058622	GDF10, TGF	344	77	18082
GOTERM_BGO:004677	8	2.056555	0.060442	NEK6, ERBE	344	183	18082
UP_KEYWCKinase	19	4.884319	0.060655	MAP2K1, C	388	707	22680
KEGG_PATImmu05218	5	1.285347	0.061076	MAP2K1, C	162	71	7691
GOTERM_BGO:001086	4	1.028278	0.062606	GDF10, TGF	344	48	18082
KEGG_PATImmu05220	5	1.285347	0.063661	TGFB2, MA	162	72	7691
GOTERM_BGO:001062	10	2.570694	0.066451	TGIF1, TGFI	344	265	18082
GOTERM_BGO:007037	8	2.056555	0.067502	NDRG4, MA	344	188	18082
KEGG_PATImmu04550	7	1.799486	0.069265	APC2, MAP	162	138	7691
GOTERM_BGO:000759	5	1.285347	0.075603	SERPINE2, F	344	84	18082
KEGG_PATImmu04810	9	2.313625	0.078207	APC2, TIAM	162	213	7691
GOTERM_BGO:006002	5	1.285347	0.078211	TGFB2, TGF	344	85	18082
GOTERM_BGO:004340	4	1.028278	0.082779	PDGFD, ER	344	54	18082
GOTERM_BGO:000646	17	4.37018	0.083188	APP, TGFB2	344	576	18082
GOTERM_BGO:007037	3	0.771208	0.086549	MAP2K1, S	344	26	18082

Annotation Enrichment Score: 2.100036409070547

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:003159		6	1.542416	0.006908	APP, ACHE,	369	64	19662
UP_KEYWCHeparin-bir		6	1.542416	0.007309	APP, SERPII	388	71	22680
GOTERM_IGO:000820		9	2.313625	0.009924	APP, SERPII	343	151	17446

Annotation Enrichment Score: 2.059658044696904

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWCLipoprotein		30	7.712082	8.11E-05	RAB3C, ACH	388	780	22680
GOTERM_BGO:000726		10	2.570694	0.036619	ARL4C, TIAI	344	236	18082
GOTERM_CGO:000562		41	10.53985	0.0368	RAB3C, DO	369	1599	19662
UP_KEYWCPrenylation		7	1.799486	0.052852	RAB3C, RAE	388	157	22680

Annotation Enrichment Score: 1.9887139926513049

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
UP_KEYWCHeparan su		4	1.028278	0.00234	SDC2, SPOC	388	16	22680
GOTERM_CGO:000579		4	1.028278	0.006734	SDC2, SDC1	369	21	19662
UP_KEYWCProteoglyca		5	1.285347	0.007166	SDC2, SPOC	388	45	22680
GOTERM_BGO:000602		3	0.771208	0.098245	SDC2, SDC1	344	28	18082

Annotation Enrichment Score: 1.8503884373203443

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:000588		37	9.511568	0.001238	KCNK5, NO	369	1126	19662
UP_KEYWCLon channe		15	3.856041	0.002029	KCNK5, GAI	388	336	22680
GOTERM_IGO:000525		5	1.285347	0.003383	KCNQ1, KCI	343	32	17446
GOTERM_IGO:000526		7	1.799486	0.004835	KCNQ1, KCI	343	80	17446
UP_KEYWCPotassium c		6	1.542416	0.005729	KCNQ1, KCI	388	67	22680
UP_KEYWCVoltage-gat		8	2.056555	0.008909	TMEM37, K	388	136	22680
GOTERM_IGO:000551		10	2.570694	0.009878	MYO1E, SY	343	182	17446
UP_KEYWCPotassium f		7	1.799486	0.010138	KCNQ1, KCI	388	107	22680
UP_KEYWCLon transpo		20	5.141388	0.010387	KCNK5, ATF	388	619	22680
GOTERM_BGO:000681		8	2.056555	0.010697	KCNQ1, KCI	344	127	18082
GOTERM_IGO:000524		6	1.542416	0.012037	KCNK5, KCN	343	70	17446
GOTERM_CGO:000807		6	1.542416	0.016295	DPP10, KCN	369	79	19662
UP_KEYWCPotassium		7	1.799486	0.017079	KCNQ1, KCI	388	120	22680
GOTERM_CGO:003470		3	0.771208	0.017184	KCNA2, KCN	369	11	19662

GOTERM_BGO:007180	6	1.542416	0.028316	KCNQ1, KC	344	90	18082
GOTERM_BGO:000681	19	4.884319	0.030422	ATP6V1A, C	344	584	18082
GOTERM_BGO:003032	3	0.771208	0.032009	KCNK5, KC	344	15	18082
UP_KEYWOCalmodulin	7	1.799486	0.032227	MYO1E, KC	388	139	22680
GOTERM_BGO:003476	7	1.799486	0.043919	TMEM37, K	344	135	18082
GOTERM_IGO:000524	7	1.799486	0.048588	TMEM37, K	343	134	17446
GOTERM_IGO:004432	6	1.542416	0.087314	KCNQ1, AR	343	120	17446
KEGG_PATImmu04725	6	1.542416	0.087973	SLC5A7, AC	162	113	7691

Annotation Enrichment Score: 1.7645601419948125

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_BGO:003090		7	1.799486	0.005878	APP, NFIB, I	344	86	18082
GOTERM_BGO:000012		24	6.169666	0.01225	TLE4, NOTC	344	729	18082
UP_KEYWOCActivator		17	4.37018	0.070625	NOTCH2, W	388	624	22680

Annotation Enrichment Score: 1.5550666652078493

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_CGO:000578		24	6.169666	0.007978	RNF43, NDI	369	710	19662
UP_KEYWOLipid metabol		15	3.856041	0.013156	PLD1, CPT1	388	417	22680
UP_KEYWOOxidoreduc		20	5.141388	0.014104	VAT1, P3H2	388	639	22680
GOTERM_CGO:000578		37	9.511568	0.015446	RTN1, MYR	369	1323	19662
GOTERM_IGO:001649		21	5.398458	0.016091	VAT1, P3H2	343	604	17446
UP_KEYWOCopper		5	1.285347	0.017181	APP, SOD3,	388	58	22680
GOTERM_BGO:005511		22	5.655527	0.018877	VAT1, P3H2	344	676	18082
UP_KEYWOCEndoplasmic		26	6.683805	0.03616	RTN1, MYR	388	997	22680
GOTERM_IGO:000443		3	0.771208	0.042926	PLCE1, PLCI	343	17	17446
GOTERM_BGO:000662		15	3.856041	0.056152	PLD1, CPT1	344	459	18082
UP_KEYWOFatty acid b		4	1.028278	0.064635	FADS3, FAC	388	54	22680
KEGG_PATImmu04919		6	1.542416	0.090536	NOTCH2, N	162	114	7691
GOTERM_CGO:003109		5	1.285347	0.099952	FLRT2, CYP	369	94	19662

Annotation Enrichment Score: 1.3507720789218147

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total
GOTERM_IGO:003027		5	1.285347	0.012396	SYT1, DOC2	343	46	17446
GOTERM_IGO:000554		4	1.028278	0.064356	SYT1, ANXA	343	47	17446
GOTERM_BGO:000690		4	1.028278	0.06579	SYT1, CAV2	344	49	18082
GOTERM_BGO:001715		3	0.771208	0.075315	SYT1, DOC2	344	24	18082

islets vs Controls (padj <0.1). Enriched UniProtein Keywords, Gene Ontology Terms and KEGGs Pathway

Fold Enrich	Bonferroni	Benjamini	FDR
1.557842	6.55E-12	3.30E-12	2.82E-12
1.72775	9.75E-10	9.75E-10	9.62E-10
1.358029	3.99E-04	3.33E-05	2.96E-05
1.406922	0.03374	0.001813	0.001554
1.553137	0.425155	0.017846	0.01588

Fold Enrich	Bonferroni	Benjamini	FDR
4.464381	6.34E-09	3.17E-09	2.82E-09
2.248216	0.021806	0.001302	0.001116
1.922816	1	0.374366	0.320885

Fold Enrich	Bonferroni	Benjamini	FDR
2.037832	1.09E-14	1.09E-14	9.34E-15
1.530465	3.52E-11	3.52E-11	3.13E-11
2.039515	4.37E-11	1.46E-11	1.25E-11
3.684896	5.04E-07	5.04E-07	5.00E-07
2.289578	1.22E-07	3.07E-08	2.63E-08
4.384172	5.36E-07	1.79E-07	1.59E-07
3.820497	4.67E-07	9.37E-08	8.03E-08
2.097338	1.88E-06	4.69E-07	4.17E-07
1.541469	3.26E-06	6.53E-07	5.81E-07
1.595476	6.83E-06	1.14E-06	9.79E-07
7.690554	1.12E-05	1.87E-06	1.66E-06
1.353124	1.29E-05	1.84E-06	1.58E-06
1.733641	7.82E-05	1.12E-05	9.94E-06
4.477298	1.81E-04	2.02E-05	1.73E-05
5.994135	0.003711	6.19E-04	6.15E-04
1.570581	5.61E-04	5.12E-05	4.39E-05
3.6248	0.001102	8.20E-05	7.30E-05
4.175258	0.002104	1.63E-04	1.39E-04
2.156076	0.008346	5.26E-04	4.51E-04
10.02062	0.078432	0.003903	0.003346
1.890055	0.477544	0.040551	0.040245
14.02225	0.12419	0.005271	0.00469
4.855429	0.093961	0.019282	0.018247
4.855429	0.093961	0.019282	0.018247
2.403813	0.109277	0.019282	0.018247
2.434631	0.190817	0.030232	0.028609
1.629714	0.348342	0.014608	0.012999
1.750913	0.355004	0.014608	0.012999
2.981541	0.233403	0.033203	0.031421
9.428001	0.391434	0.020751	0.017786
39.96341	0.515435	0.021932	0.019516
3.651947	0.466894	0.062807	0.059437
6.91631	0.999994	0.288317	0.286146
3.956276	0.812291	0.138838	0.131388
1.185041	0.951377	0.07942	0.068074

1.179519	0.974838	0.087406	0.074919
4.126137	0.984483	0.094301	0.08083
1.842648	1	0.465806	0.462299
3.851895	0.999149	0.139988	0.124565
3.165021	0.990668	0.271846	0.25726
2.96732	1	0.647808	0.642931
3.051778	1	0.684076	0.675479

Fold Enrich	Bonferroni	Benjamini	FDR
6.702786	1.02E-06	5.08E-07	5.05E-07
18.83814	7.36E-07	3.68E-07	3.64E-07
4.919779	1.41E-04	4.70E-05	4.66E-05
16.95432	0.00128	4.27E-04	4.21E-04
5.152359	5.39E-04	5.40E-04	5.11E-04
9.654604	0.007492	0.001074	0.001066
14.15183	0.015715	0.001979	0.001964
3.067393	0.024296	0.002732	0.002711
2.533593	0.005294	3.81E-04	3.26E-04
26.28198	0.050577	0.005188	0.005148
3.786469	0.00667	4.48E-04	3.84E-04
2.156076	0.008346	5.26E-04	4.51E-04
2.22386	0.074777	0.006782	0.00673
10.82199	0.078192	0.006782	0.00673
12.13014	0.213635	0.018478	0.018338
4.662931	0.237398	0.019348	0.019202
2.552029	0.066239	0.003439	0.002948
1.890055	0.477544	0.040551	0.040245
19.07362	0.99613	0.32516	0.321074
8.086762	1	0.413683	0.410568
13.14099	1	0.534702	0.530676

Fold Enrich	Bonferroni	Benjamini	FDR
4.464381	6.34E-09	3.17E-09	2.82E-09
2.793947	0.001147	8.20E-05	7.30E-05
2.827344	0.002286	1.53E-04	1.36E-04
2.743363	0.003845	2.41E-04	2.14E-04
2.53736	0.128095	0.005271	0.00469
2.128563	0.996208	0.117837	0.101003
3.552304	1	0.292705	0.260458

Fold Enrich	Bonferroni	Benjamini	FDR
18.83814	7.36E-07	3.68E-07	3.64E-07
1.629714	0.348342	0.014608	0.012999
2.125586	0.999998	0.252534	0.216458

Fold Enrich	Bonferroni	Benjamini	FDR
2.918259	3.76E-05	4.72E-06	4.05E-06
3.406941	1.40E-04	1.40E-05	1.25E-05

2.758872	2.02E-04	2.03E-05	1.74E-05
2.597436	2.64E-04	2.40E-05	2.13E-05
3.790115	0.004261	2.48E-04	2.21E-04
2.394811	0.004457	2.48E-04	2.21E-04
3.89887	0.091897	0.004016	0.003574
3.446265	0.139306	0.005357	0.004766
2.880246	0.999554	0.14965	0.133163
5.328455	0.999999	0.227659	0.202578
3.864997	1	0.734589	0.729058
3.460036	1	0.307017	0.273193

Fold Enrich	Bonferroni	Benjamini	FDR
2.918259	3.76E-05	4.72E-06	4.05E-06
2.597436	2.64E-04	2.40E-05	2.13E-05
2.743363	0.003845	2.41E-04	2.14E-04
2.880246	0.679101	0.033377	0.0297
2.128563	0.996208	0.117837	0.101003
10.51279	1	0.647808	0.642931
5.840439	1	0.9434	0.936297

Fold Enrich	Bonferroni	Benjamini	FDR
2.918259	3.76E-05	4.72E-06	4.05E-06
3.406941	1.40E-04	1.40E-05	1.25E-05
2.597436	2.64E-04	2.40E-05	2.13E-05
3.89887	0.091897	0.004016	0.003574
3.446265	0.139306	0.005357	0.004766
3.446265	0.139306	0.005357	0.004766
1.852211	0.204985	0.010461	0.008967
1.675615	0.711537	0.035457	0.031551
2.781162	1	0.380191	0.377328
2.192086	0.997094	0.120689	0.107393
3.091997	1	0.918228	0.911315
1.823046	1	0.789672	0.779748

Fold Enrich	Bonferroni	Benjamini	FDR
4.356599	0.016408	8.71E-04	7.75E-04
2.53736	0.128095	0.005271	0.00469
4.531375	1	0.588639	0.584207

Fold Enrich	Bonferroni	Benjamini	FDR
1.925408	0.020493	9.86E-04	8.77E-04
1.863063	0.77285	0.051157	0.043849
1.718857	1	0.411503	0.366168

Fold Enrich	Bonferroni	Benjamini	FDR
3.254018	0.046115	0.002146	0.001909
4.337115	0.859297	0.050146	0.044621

1.649677 0.999997 0.220949 0.196607

Fold Enrich	Bonferroni	Benjamini	FDR
3.222311	0.267789	0.020768	0.020611
2.239567	0.999861	0.259056	0.257106
2.947511	1	0.846257	0.839885

Fold Enrich	Bonferroni	Benjamini	FDR
3.446265	0.139306	0.005357	0.004766
1.765786	0.689346	0.041816	0.035843
8.992863	0.92708	0.074726	0.064051
3.025264	1	0.480099	0.476484

Fold Enrich	Bonferroni	Benjamini	FDR
3.790115	0.004261	2.48E-04	2.21E-04
1.852211	0.204985	0.010461	0.008967
1.675615	0.711537	0.035457	0.031551
2.543149	0.999943	0.403493	0.398422
2.214152	0.999973	0.207495	0.177853
1.955396	1	0.255767	0.227589
5.920506	1	0.45652	0.406225

Fold Enrich	Bonferroni	Benjamini	FDR
9.010963	0.643528	0.060633	0.060177
2.407715	0.798702	0.200083	0.197568
4.701578	0.957637	0.071532	0.063651
2.551546	0.95897	0.081704	0.070032
2.697279	1	0.684076	0.675479

Fold Enrich	Bonferroni	Benjamini	FDR
4.919779	1.41E-04	4.70E-05	4.66E-05
4.678467	0.001644	4.11E-04	4.08E-04
3.285247	0.00277	5.54E-04	5.50E-04
5.994135	0.003711	6.19E-04	6.15E-04
3.508028	0.01713	0.008639	0.008175
3.5355	0.026894	0.00152	0.001303
3.772872	0.061379	0.019282	0.018247
2.403813	0.109277	0.019282	0.018247
4.205116	0.741579	0.071163	0.070627
2.434631	0.190817	0.030232	0.028609
2.981541	0.233403	0.033203	0.031421
2.177014	0.514725	0.103224	0.101927
7.008527	0.964117	0.15274	0.15159
5.110384	0.99438	0.213433	0.211826
8.478057	0.996609	0.21832	0.216676
6.065072	0.998269	0.228269	0.22655
8.213118	0.998345	0.228269	0.22655

2.695105	0.462779	0.062807	0.059437
8.118557	0.581128	0.032296	0.027682
4.043381	0.999596	0.259056	0.257106
5.651442	0.895694	0.212088	0.209423
5.631852	0.999848	0.259056	0.257106
2.239567	0.999861	0.259056	0.257106
2.778711	0.999863	0.259056	0.257106
4.542564	0.999913	0.259056	0.257106
5.345487	0.999984	0.278585	0.276488
2.662167	0.65471	0.09642	0.091246
3.721342	0.999996	0.288317	0.286146
2.639194	0.999998	0.288317	0.286146
3.682117	0.816041	0.054645	0.046838
5.006091	1	0.310741	0.308401
4.927871	1	0.310741	0.308401
4.088307	1	0.310741	0.308401
4.852057	1	0.32405	0.32161
3.819852	0.861424	0.150231	0.14217
8.760659	1	0.380191	0.377328
5.789672	0.879257	0.150231	0.14217
5.779883	0.997402	0.328956	0.324822
2.737706	1	0.404341	0.401297
4.382336	0.903978	0.155322	0.146988
2.285389	1	0.41318	0.410069
1.730501	1	0.41318	0.410069
5.475412	1	0.413683	0.410568
3.62102	0.971765	0.087406	0.074919
4.149786	1	0.446596	0.443233
1.842648	1	0.465806	0.462299
1.975261	0.999896	0.395587	0.390615
4.945345	0.973851	0.225734	0.213621
2.806233	0.999999	0.520909	0.514362
6.183995	1	0.619423	0.614759
6.007309	1	0.626784	0.622065
6.007309	1	0.626784	0.622065
2.942486	1	0.593787	0.586325
3.351198	0.99884	0.369408	0.349586
3.355146	1	0.66131	0.656331
3.982118	1	0.707405	0.702079
3.236953	0.999548	0.38578	0.365079
2.080591	0.999616	0.38578	0.365079
5.128191	1	0.751715	0.746055
3.709008	0.999913	0.401488	0.379945
3.709008	0.999913	0.401488	0.379945
5.006091	1	0.785451	0.779537
2.680058	0.999928	0.401488	0.379945
2.000875	0.999948	0.401488	0.379945
3.650275	1	0.803507	0.797457
4.672351	1	0.846257	0.839885
3.490832	0.999988	0.440072	0.416458
2.893429	1	0.847298	0.840919
7.629446	1	0.684076	0.675479

3.413244	1	0.860064	0.853589
2.297878	1	0.867828	0.861294
1.570889	1	0.306643	0.262837
3.343332	0.999998	0.481564	0.455724
4.380329	1	0.875249	0.868659
3.296896	0.999999	0.483351	0.457415
1.983545	1	0.893718	0.886989
2.236764	1	0.897526	0.890768
2.408168	1	0.507119	0.479907
3.128807	1	0.897526	0.890768
2.005999	1	0.55284	0.523175
3.091997	1	0.918228	0.911315
3.893626	1	0.930391	0.923386
1.551367	1	0.930391	0.923386
6.065072	1	0.9434	0.936297

Fold Enrich	Bonferroni	Benjamini	FDR
4.995427	0.91403	0.058221	0.051807
4.939742	0.864045	0.060468	0.05183
3.031568	0.996133	0.32516	0.321074

Fold Enrich	Bonferroni	Benjamini	FDR
2.248216	0.021806	0.001302	0.001116
2.227286	1	0.707405	0.702079
1.366271	0.999998	0.220949	0.196607
2.606212	1	0.272236	0.233345

Fold Enrich	Bonferroni	Benjamini	FDR
14.6134	0.47129	0.024573	0.021063
10.14944	0.908543	0.058221	0.051807
6.494845	0.858607	0.060468	0.05183
5.631852	1	0.994147	0.986662

Fold Enrich	Bonferroni	Benjamini	FDR
1.750913	0.355004	0.014608	0.012999
2.609536	0.424511	0.02216	0.018994
7.94734	0.848537	0.209358	0.206727
4.45051	0.932768	0.224423	0.221602
5.234651	0.790428	0.052131	0.044684
3.438448	0.912314	0.071531	0.061312
2.794669	0.996031	0.32516	0.321074
3.824068	0.937441	0.076642	0.065693
1.888646	0.941583	0.076642	0.065693
3.311115	1	0.391929	0.388978
4.359683	0.998824	0.330939	0.32678
4.046928	0.99702	0.120689	0.107393
3.409794	0.990772	0.101965	0.087398
14.53215	0.997837	0.124148	0.110471

3.504264	1	0.626784	0.622065
1.710129	1	0.647808	0.642931
10.51279	1	0.647808	0.642931
2.943707	0.999865	0.18329	0.157106
2.725538	1	0.771311	0.765503
2.657021	1	0.684076	0.675479
2.543149	1	0.772091	0.762387
2.520813	1	0.598705	0.566579

Fold Enrich	Bonferroni	Benjamini	FDR
4.278461	0.999996	0.288317	0.286146
1.730501	1	0.41318	0.410069
1.592486	1	0.344298	0.295112

Fold Enrich	Bonferroni	Benjamini	FDR
1.801168	0.941311	0.065678	0.058443
2.102648	0.972736	0.087406	0.074919
1.829534	0.979007	0.089544	0.076752
1.490195	0.995956	0.118868	0.105773
1.768415	0.999881	0.395587	0.390615
5.039104	0.991029	0.101965	0.087398
1.710661	1	0.502355	0.498572
1.524367	0.999955	0.201463	0.172682
8.975819	1	0.684076	0.675479
1.717776	1	0.846257	0.839885
4.329897	1	0.320827	0.274995
2.4987	1	0.598705	0.566579
2.834285	1	0.498352	0.443449

Fold Enrich	Bonferroni	Benjamini	FDR
5.528584	0.999039	0.330939	0.32678
4.328764	1	0.731555	0.722361
4.290935	1	0.890469	0.883764
6.570494	1	0.897526	0.890768

's were semantically clustered.

Supplemental Table 7. Genes up-regulated (p-value <0.05, baseMean >10 RPKM) in human islets infected with

Gene.stable.ID.version	baseMean	log2FoldCh	lfcSE	stat	pvalue
ENSG00000202198.1	196.8393781	8.912222	3.193221	2.790982	0.005255
ENSG00000207971.1	159.7053032	8.665893	3.867434	2.240735	0.025043
ENSG00000268173.3	17.67561014	8.025052	3.84793	2.08555	0.037019
ENSG00000286169.2	74.0017878	6.92968	2.735327	2.533401	0.011296
ENSG00000269242.1	39.98300281	6.379264	2.640774	2.415679	0.015706
ENSG00000256463.8	10.12901147	6.311084	1.766639	3.572367	0.000354
ENSG00000256349.1	24.7301057	5.594986	2.634376	2.123837	0.033684
ENSG00000260596.5	46.03019037	5.572887	1.050551	5.304725	1.13E-07
ENSG00000225173.1	139.6974963	5.478083	0.893939	6.12803	8.90E-10
ENSG00000178722.13	15.08416216	5.288231	1.507842	3.507153	0.000453
ENSG00000082293.13	15.52613948	5.180208	1.321633	3.91955	8.87E-05
ENSG00000280356.1	10.68134273	4.893499	1.668749	2.932435	0.003363
ENSG00000222036.8	11.18203924	4.874986	1.669782	2.919535	0.003506
ENSG00000270316.1	23.14410875	4.754137	1.328345	3.578993	0.000345
ENSG00000261116.1	11.12727264	4.749593	1.571285	3.022744	0.002505
ENSG00000232827.3	10.04423055	4.57314	1.595859	2.865628	0.004162
ENSG00000159307.19	18.90360373	4.429303	1.290621	3.431917	0.000599
ENSG00000105492.16	15.90408379	4.394089	1.523294	2.884596	0.003919
ENSG00000215182.8	11.14022997	4.392452	1.669138	2.631569	0.008499
ENSG00000236333.4	12.39774056	4.196098	1.502321	2.793077	0.005221
ENSG00000248473.2	24.8486601	4.149271	1.319407	3.1448	0.001662
ENSG00000228876.4	10.24024357	4.108859	1.55261	2.646421	0.008135
ENSG00000234663.7	28.66302894	4.103701	1.126381	3.643264	0.000269
ENSG00000186960.12	14.2188522	4.09387	1.686105	2.428004	0.015182
ENSG00000286032.1	13.29836304	4.082963	1.498359	2.724956	0.006431
ENSG00000169876.14	14.46177766	4.07849	1.227341	3.323029	0.00089
ENSG00000154451.14	15.89668901	4.051021	1.406755	2.879691	0.003981
ENSG00000205746.9	19.51022135	4.037425	1.296185	3.114852	0.00184
ENSG00000205056.8	10.50340107	3.998208	1.619372	2.468987	0.01355
ENSG00000176798.2	10.49096944	3.98094	1.728117	2.303629	0.021243
ENSG00000186652.10	12.164754	3.947825	1.46294	2.698557	0.006964
ENSG00000165309.14	11.02710772	3.941557	1.355908	2.906949	0.00365
ENSG00000134539.17	24.51074477	3.935719	1.204407	3.267766	0.001084
ENSG00000286105.1	16.18295247	3.918303	1.357867	2.885632	0.003906
ENSG00000278000.1	10.76537331	3.908063	1.518422	2.573766	0.01006
ENSG00000261889.1	47.24052812	3.868783	1.028321	3.762232	0.000168
ENSG00000173262.11	10.26600021	3.864861	1.81287	2.131902	0.033015
ENSG00000161405.17	17.91688368	3.803818	1.415432	2.687391	0.007201
ENSG00000236824.2	330.542854	3.758721	0.637757	5.893657	3.78E-09
ENSG00000176884.16	13.43191061	3.755512	1.412195	2.659343	0.007829
ENSG00000186417.14	16.33571227	3.73445	1.272969	2.933653	0.00335
ENSG00000230453.9	10.34873229	3.727771	1.548554	2.40726	0.016073
ENSG00000145794.17	18.49721496	3.666096	1.20956	3.030935	0.002438
ENSG00000236444.5	19.91760602	3.657201	1.245481	2.936376	0.003321
ENSG00000227827.3	12.94834012	3.651866	1.536234	2.377155	0.017447
ENSG00000140795.13	13.50529493	3.631823	1.255985	2.891614	0.003833
ENSG00000133863.9	11.26420567	3.631235	1.396123	2.600943	0.009297
ENSG00000211891.6	17.83744796	3.584692	1.369135	2.618217	0.008839
ENSG00000278920.1	69.77646479	3.572076	0.828568	4.311144	1.62E-05
ENSG00000285565.1	20.83458755	3.552283	1.325045	2.680876	0.007343

ENSG00000251493.5	13.28888185	3.514388	1.331685	2.639053	0.008314
ENSG00000141338.14	12.46811517	3.514234	1.324971	2.65231	0.007994
ENSG00000140538.16	27.95834715	3.494525	1.11265	3.140724	0.001685
ENSG00000180385.8	41.74342319	3.467059	0.780795	4.440424	8.98E-06
ENSG00000198156.10	11.22649397	3.463929	1.49714	2.313698	0.020684
ENSG00000254859.1	11.33728167	3.455984	1.393865	2.479425	0.013159
ENSG00000279442.1	17.11038377	3.448621	1.291855	2.669512	0.007596
ENSG00000134207.17	13.40045842	3.440062	1.191182	2.887939	0.003878
ENSG00000154162.15	17.76581	3.420687	1.241365	2.755585	0.005859
ENSG00000087237.12	11.37988292	3.37551	1.499499	2.251092	0.02438
ENSG00000183117.19	15.77413191	3.374188	1.3136	2.568657	0.010209
ENSG00000196218.13	26.04430187	3.370932	1.372586	2.455899	0.014053
ENSG00000171502.15	13.26465234	3.351808	1.383627	2.42248	0.015415
ENSG00000279217.1	23.08500028	3.349848	1.081898	3.096271	0.00196
ENSG00000214562.14	18.72714188	3.326849	1.226548	2.712368	0.00668
ENSG00000232855.7	13.8303416	3.298127	1.291378	2.553959	0.010651
ENSG00000237949.2	10.45558792	3.27124	1.458177	2.243377	0.024873
ENSG00000226476.6	10.91623685	3.267146	1.42153	2.298331	0.021543
ENSG00000172000.7	14.03937519	3.249858	1.213111	2.678945	0.007385
ENSG00000240405.7	10.69773704	3.239945	1.466199	2.209758	0.027122
ENSG00000177238.14	10.97976809	3.229096	1.460299	2.211257	0.027018
ENSG00000101203.16	13.67978776	3.222421	1.552706	2.075359	0.037953
ENSG00000122012.14	13.95842425	3.214506	1.317592	2.439683	0.0147
ENSG00000257524.6	17.30080991	3.20587	1.176594	2.724704	0.006436
ENSG00000287001.1	520.8448733	3.184648	1.306868	2.436855	0.014816
ENSG00000079841.18	13.22812202	3.174427	1.328658	2.389197	0.016885
ENSG00000251372.6	23.16084857	3.139631	1.266568	2.478848	0.013181
ENSG00000279337.1	16.47171892	3.139556	1.128708	2.781548	0.00541
ENSG00000182575.8	15.59216881	3.118794	1.207074	2.583764	0.009773
ENSG00000224924.7	15.96466545	3.113759	1.218952	2.554456	0.010635
ENSG00000108231.14	10.12211876	3.084614	1.455353	2.119496	0.034049
ENSG00000236334.2	10.17198085	3.080208	1.422016	2.166085	0.030305
ENSG00000225783.8	20.36705985	3.070939	1.007513	3.048039	0.002303
ENSG00000184956.16	11.87746843	3.070016	1.188295	2.583548	0.009779
ENSG00000087128.10	11.9374561	3.066414	1.546249	1.983131	0.047353
ENSG00000162367.11	11.08635684	3.061683	1.318633	2.321861	0.02024
ENSG00000273540.4	11.52295623	3.043457	1.536362	1.980951	0.047597
ENSG00000225684.4	21.93182719	3.006832	1.128563	2.664301	0.007715
ENSG00000279091.1	11.79517082	2.989065	1.338772	2.232691	0.025569
ENSG00000004777.18	19.44970405	2.984924	1.073504	2.780542	0.005427
ENSG00000261519.3	11.00647663	2.984442	1.39253	2.143179	0.032099
ENSG00000066294.15	14.71401766	2.976394	1.226015	2.427698	0.015195
ENSG00000236138.4	31.97274828	2.976122	1.053787	2.824216	0.00474
ENSG00000168453.15	12.42583063	2.952604	1.419202	2.080467	0.037483
ENSG00000277128.2	11.66517927	2.949733	1.422409	2.073758	0.038102
ENSG00000196361.10	10.25180314	2.945286	1.445394	2.037704	0.04158
ENSG00000237505.8	15.3367026	2.94064	1.150352	2.556296	0.010579
ENSG00000150637.9	14.85540299	2.89705	1.21055	2.39317	0.016704
ENSG00000259834.1	17.61078461	2.88479	1.126647	2.560509	0.010452
ENSG00000257335.8	17.1501103	2.86695	1.117968	2.56443	0.010335
ENSG00000283384.1	14.78964965	2.854306	1.057921	2.698034	0.006975
ENSG00000279742.1	12.43180273	2.83863	1.34366	2.11261	0.034634

ENSG00000280011.1	16.24738857	2.818734	1.227206	2.296872	0.021626
ENSG00000065618.21	17.38344247	2.81165	1.132354	2.483014	0.013028
ENSG00000285108.1	10.76211328	2.803897	1.341642	2.089899	0.036627
ENSG00000182272.12	15.63566574	2.801892	1.137799	2.462555	0.013795
ENSG00000259345.7	10.18659542	2.792639	1.388943	2.010622	0.044365
ENSG00000204072.3	38.59817466	2.765141	0.904344	3.057623	0.002231
ENSG00000281591.1	31.69911539	2.762418	1.007301	2.742397	0.006099
ENSG00000251131.2	14.85154399	2.749364	1.280792	2.146612	0.031824
ENSG00000235033.7	13.79008551	2.74251	1.180528	2.323122	0.020173
ENSG00000258130.8	11.08213481	2.736802	1.255298	2.180202	0.029243
ENSG00000203620.2	17.86296184	2.715677	0.993505	2.733431	0.006268
ENSG00000253452.6	14.89825748	2.703488	1.326226	2.038483	0.041502
ENSG00000090971.5	23.50421032	2.682254	0.950889	2.820787	0.004791
ENSG00000245526.11	12.00987458	2.679679	1.233059	2.173197	0.029766
ENSG00000253552.8	12.1359305	2.676492	1.337607	2.000955	0.045397
ENSG00000149527.18	15.62909806	2.668289	1.109049	2.405925	0.016132
ENSG00000140807.7	35.40515085	2.653846	0.88034	3.014568	0.002573
ENSG00000242512.9	20.85021465	2.647192	0.971204	2.725681	0.006417
ENSG00000210107.1	46.29605022	2.642803	1.04406	2.531276	0.011365
ENSG00000144285.22	19.58906384	2.62877	1.261409	2.083995	0.037161
ENSG00000279573.1	46.60449507	2.625992	0.824523	3.184862	0.001448
ENSG00000181652.19	15.45626015	2.622337	1.167655	2.245815	0.024716
ENSG00000241163.8	34.800265	2.618884	0.914815	2.862746	0.0042
ENSG00000286042.1	24.34399383	2.61565	1.087916	2.404276	0.016205
ENSG00000175643.10	16.49691998	2.608497	1.143449	2.281253	0.022533
ENSG00000266074.9	42.38616613	2.606018	0.764109	3.410534	0.000648
ENSG00000152954.12	10.41374196	2.596894	1.232129	2.107647	0.035062
ENSG00000253877.6	23.62566441	2.586104	0.936124	2.762565	0.005735
ENSG00000103449.12	58.53615746	2.581941	0.697407	3.702199	0.000214
ENSG00000172482.5	14.82497209	2.578729	1.133872	2.274268	0.02295
ENSG00000215196.5	15.41379628	2.567626	1.175946	2.183455	0.029002
ENSG00000169668.11	12.52493695	2.554891	1.23987	2.060612	0.03934
ENSG00000224271.7	16.28143148	2.551031	1.164613	2.190453	0.028491
ENSG00000206337.12	94.71431274	2.550955	0.640456	3.983031	6.80E-05
ENSG00000266340.1	40.47619082	2.518334	0.795594	3.165353	0.001549
ENSG00000181143.15	31.95487949	2.49906	1.10441	2.262802	0.023648
ENSG00000081189.16	48.4679903	2.496389	0.626664	3.983617	6.79E-05
ENSG00000169896.18	12.75713482	2.496297	1.231816	2.026518	0.042712
ENSG00000286891.1	17.15837151	2.484246	1.146699	2.166432	0.030278
ENSG00000196620.10	12.81112775	2.47147	1.241358	1.99094	0.046487
ENSG00000132749.11	23.34021337	2.439635	1.072127	2.27551	0.022875
ENSG00000254681.6	32.29165808	2.423228	1.105615	2.191746	0.028398
ENSG00000237596.7	14.28927036	2.415885	1.10476	2.186795	0.028757
ENSG00000121743.4	21.42689161	2.411035	1.014586	2.376372	0.017484
ENSG00000255794.9	14.5076559	2.402644	1.069314	2.246903	0.024646
ENSG00000185942.12	24.58497661	2.388685	0.961905	2.483285	0.013018
ENSG00000170074.19	14.10073994	2.366915	1.158909	2.042365	0.041115
ENSG00000260886.2	54.69291926	2.359709	0.776816	3.037668	0.002384
ENSG00000242590.1	32.02630871	2.341021	0.988018	2.36941	0.017816
ENSG00000273802.2	18.43951604	2.330259	0.948597	2.456533	0.014028
ENSG00000274979.1	22.94414927	2.329235	1.092339	2.132338	0.032979
ENSG00000103522.16	25.22688935	2.300737	1.014604	2.267622	0.023352

ENSG00000187627.16	43.35796316	2.28011	0.881943	2.585327	0.009729
ENSG00000122966.16	39.47024168	2.272961	0.879619	2.58403	0.009765
ENSG00000259417.3	32.79185775	2.266515	0.935872	2.421823	0.015443
ENSG00000187323.12	17.49915485	2.258067	1.026141	2.200542	0.027768
ENSG00000272078.1	25.1297437	2.252369	0.885216	2.54443	0.010946
ENSG00000130487.9	26.41119707	2.232844	0.925968	2.411362	0.015893
ENSG00000272455.1	22.40916562	2.231606	0.96917	2.302595	0.021302
ENSG00000165730.16	12.49398742	2.219469	1.13025	1.963697	0.049565
ENSG00000210194.1	17.62938578	2.210401	1.112141	1.98752	0.046865
ENSG00000183935.5	15.28633821	2.210174	1.078767	2.048796	0.040482
ENSG00000270885.2	27.94164449	2.203093	0.926395	2.378136	0.0174
ENSG00000166450.13	29.31857879	2.160826	0.987495	2.188189	0.028656
ENSG00000175262.14	19.52747147	2.151539	0.910803	2.362244	0.018165
ENSG00000111052.7	24.75626915	2.147111	0.876104	2.450749	0.014256
ENSG00000164107.9	22.71374309	2.119287	0.911407	2.32529	0.020056
ENSG00000082482.14	19.53501348	2.118049	0.966529	2.191398	0.028423
ENSG00000238098.9	18.41617981	2.112569	0.975865	2.164817	0.030402
ENSG00000284540.1	29.55078813	2.103691	0.928359	2.266033	0.023449
ENSG00000143226.15	34.55860518	2.102141	0.92618	2.26969	0.023226
ENSG00000198108.4	22.07121701	2.079474	0.9861	2.108786	0.034963
ENSG00000272636.4	24.13609272	2.069385	0.959528	2.156671	0.031031
ENSG00000278233.1	61.50149951	2.051617	0.845253	2.427222	0.015215
ENSG00000233750.3	38.86704225	2.045848	0.807457	2.533692	0.011287
ENSG00000249378.6	24.58051741	2.034741	0.96148	2.116259	0.034323
ENSG00000151322.19	19.45807984	2.018314	0.926888	2.177515	0.029442
ENSG00000257591.6	31.30333351	2.014442	1.025548	1.964259	0.0495
ENSG00000186185.14	38.24822268	2.012946	0.818044	2.460684	0.013867
ENSG00000042781.14	22.20903857	1.996029	0.865617	2.305902	0.021116
ENSG00000127528.6	35.72510706	1.97571	0.743626	2.656859	0.007887
ENSG00000184261.5	27.08774063	1.946936	0.871161	2.234876	0.025426
ENSG00000284820.1	48.39271599	1.946773	0.738194	2.637211	0.008359
ENSG00000007174.18	25.93476259	1.945155	0.849389	2.290065	0.022018
ENSG00000180900.20	147.7052084	1.928106	0.482417	3.996763	6.42E-05
ENSG00000142694.6	41.80264651	1.918928	0.724507	2.648599	0.008083
ENSG00000274012.1	106.7015524	1.916775	0.77287	2.480073	0.013136
ENSG00000249992.2	123.8202839	1.915316	0.488262	3.922719	8.76E-05
ENSG00000105298.14	56.89285577	1.912133	0.623369	3.067419	0.002159
ENSG00000281344.1	238.6497197	1.895411	0.606216	3.126628	0.001768
ENSG00000130758.8	27.79181396	1.894815	0.859254	2.205185	0.027441
ENSG00000091262.15	21.15618585	1.892519	0.927501	2.04045	0.041306
ENSG00000152463.15	46.36395452	1.89211	0.71952	2.629684	0.008546
ENSG00000253123.4	44.20486583	1.883665	0.744721	2.529357	0.011427
ENSG00000177839.7	19.77498289	1.871669	0.915818	2.043714	0.040982
ENSG00000129514.8	27.86350405	1.85707	0.822977	2.256529	0.024038
ENSG00000253948.2	27.60286449	1.854466	0.9067	2.045291	0.040826
ENSG00000123572.17	19.59962587	1.834751	0.913674	2.008102	0.044632
ENSG00000188613.7	24.43201026	1.831545	0.841807	2.175729	0.029575
ENSG00000253716.6	38.10609544	1.830325	0.745532	2.455059	0.014086
ENSG00000108106.14	94.63676059	1.82873	0.519536	3.51993	0.000432
ENSG00000137834.15	25.22758014	1.818202	0.892169	2.037957	0.041554
ENSG00000156218.13	36.41020336	1.817463	0.717475	2.533136	0.011305
ENSG00000257084.1	59.72733611	1.805307	0.654992	2.75623	0.005847

ENSG00000115602.17	48.25255927	1.804025	0.78119	2.309329	0.020925
ENSG00000266993.3	29.63522465	1.784069	0.865557	2.06118	0.039286
ENSG00000091704.10	80.1863653	1.777122	0.683812	2.598844	0.009354
ENSG00000184897.6	77.72685369	1.765048	0.52642	3.352928	0.0008
ENSG00000114315.4	189.9776724	1.759621	0.661894	2.658464	0.00785
ENSG00000125895.5	54.34468531	1.753251	0.704949	2.487062	0.01288
ENSG00000185163.10	52.49727517	1.747191	0.623228	2.803453	0.005056
ENSG00000113212.7	52.57547265	1.730997	0.773038	2.239214	0.025142
ENSG00000145936.9	23.03316397	1.728288	0.875356	1.974383	0.048338
ENSG00000214193.11	55.99410281	1.712239	0.623205	2.747473	0.006006
ENSG00000267815.1	52.1385208	1.708469	0.662285	2.579658	0.00989
ENSG00000121068.14	64.09805341	1.702958	0.706599	2.410078	0.015949
ENSG00000072818.12	41.49106823	1.672983	0.691846	2.418144	0.0156
ENSG00000129968.16	37.31113657	1.670321	0.700773	2.383539	0.017147
ENSG00000225096.3	31.99570853	1.667714	0.820409	2.032783	0.042075
ENSG00000184206.12	36.20990062	1.659658	0.75906	2.186466	0.028782
ENSG00000115252.18	38.21360838	1.630753	0.740282	2.202881	0.027603
ENSG00000008382.16	37.65580696	1.621819	0.688125	2.356868	0.01843
ENSG00000156381.9	74.0131339	1.617328	0.643705	2.512531	0.011987
ENSG00000167614.14	39.32462475	1.614014	0.800749	2.015629	0.043839
ENSG00000136492.9	55.619463	1.60461	0.660068	2.430975	0.015058
ENSG00000130600.19	42.68942149	1.601436	0.793431	2.018368	0.043553
ENSG00000128918.15	49.9220017	1.599054	0.723428	2.210386	0.027078
ENSG00000152495.11	43.98817579	1.58859	0.79194	2.005948	0.044862
ENSG00000284874.1	115.3205111	1.586329	0.615502	2.577291	0.009958
ENSG00000105373.19	201.1182232	1.586219	0.511479	3.101241	0.001927
ENSG00000123080.12	34.62955777	1.584339	0.774223	2.046361	0.040721
ENSG00000172006.12	44.93819496	1.575985	0.650297	2.423484	0.015372
ENSG00000277203.1	46.31369109	1.574303	0.634058	2.4829	0.013032
ENSG00000269929.3	62.4628365	1.570861	0.623627	2.518911	0.011772
ENSG00000197530.12	50.60214014	1.551342	0.64763	2.395414	0.016602
ENSG00000188163.8	32.71054036	1.540863	0.738739	2.085801	0.036997
ENSG00000233117.4	40.08179423	1.540687	0.777047	1.982745	0.047396
ENSG00000185112.6	47.82587341	1.540403	0.693422	2.221452	0.02632
ENSG00000180914.10	86.9028322	1.537516	0.585443	2.626245	0.008633
ENSG00000138180.16	43.96880516	1.537277	0.690911	2.224999	0.026081
ENSG00000184207.9	83.53228844	1.534012	0.59826	2.564125	0.010344
ENSG00000144908.14	49.34248267	1.533637	0.747545	2.051564	0.040212
ENSG00000186222.5	31.49713483	1.529551	0.730071	2.095072	0.036165
ENSG00000183684.8	80.06369544	1.525378	0.574262	2.656239	0.007902
ENSG00000241743.4	226.4902233	1.525191	0.571935	2.666719	0.00766
ENSG00000068137.15	47.53881849	1.521091	0.645641	2.355938	0.018476
ENSG00000172216.6	125.6662968	1.520468	0.558659	2.721637	0.006496
ENSG00000171450.6	62.24180862	1.509446	0.661649	2.281339	0.022528
ENSG00000281398.4	39.12051533	1.506759	0.685092	2.199352	0.027853
ENSG00000196876.18	36.65402456	1.504424	0.724031	2.077845	0.037724
ENSG00000244491.1	88.31488741	1.493036	0.539342	2.768253	0.005636
ENSG00000175467.15	212.9528402	1.49296	0.414463	3.602151	0.000316
ENSG00000173546.7	40.16339662	1.471634	0.697867	2.108759	0.034965
ENSG00000137507.11	86.06010616	1.470637	0.543918	2.703786	0.006855
ENSG00000187713.7	53.4959861	1.469559	0.619468	2.372294	0.017678
ENSG00000169020.10	773.6599393	1.463828	0.378467	3.867788	0.00011

ENSG00000162894.12	196.9777577	1.450958	0.554691	2.615797	0.008902
ENSG00000141837.21	133.8973846	1.438624	0.46683	3.081687	0.002058
ENSG00000025708.14	302.13145	1.434724	0.510799	2.808783	0.004973
ENSG00000183856.11	56.78420502	1.433945	0.677141	2.117646	0.034205
ENSG00000253522.6	54.42467516	1.424233	0.697833	2.040939	0.041257
ENSG00000104936.19	59.20384292	1.423245	0.596436	2.38625	0.017021
ENSG00000142634.13	182.7850447	1.418042	0.447779	3.166831	0.001541
ENSG00000176022.7	112.393481	1.415658	0.468725	3.020233	0.002526
ENSG00000131037.15	134.7609163	1.411921	0.474866	2.973303	0.002946
ENSG00000116649.10	289.3661481	1.408327	0.462621	3.044232	0.002333
ENSG00000145934.16	47.80288343	1.401401	0.652482	2.147801	0.03173
ENSG00000258366.9	81.95252717	1.397551	0.60339	2.316164	0.020549
ENSG00000185262.9	67.56286037	1.395969	0.61224	2.280104	0.022602
ENSG00000287916.1	344.6940988	1.383157	0.378485	3.654456	0.000258
ENSG00000225972.1	47.50379685	1.382507	0.664815	2.079537	0.037568
ENSG00000276168.1	140.4921205	1.376346	0.636713	2.161643	0.030646
ENSG00000064687.13	61.26525018	1.37241	0.577825	2.375129	0.017543
ENSG00000103266.11	483.0079339	1.366854	0.390083	3.504006	0.000458
ENSG00000185361.9	41.43377204	1.358726	0.676262	2.009172	0.044519
ENSG00000104852.15	149.8768355	1.357019	0.506672	2.6783	0.0074
ENSG00000146826.17	63.70132608	1.34813	0.595412	2.264195	0.023562
ENSG00000146006.8	48.55900934	1.34536	0.635123	2.118269	0.034152
ENSG00000250479.9	114.114086	1.343215	0.463466	2.898196	0.003753
ENSG00000140988.16	2658.149477	1.342801	0.384479	3.492518	0.000478
ENSG00000116774.12	46.16317673	1.342438	0.6835	1.964062	0.049523
ENSG00000117691.10	104.5371019	1.340916	0.489202	2.741024	0.006125
ENSG00000173457.11	321.4922985	1.335865	0.440826	3.030369	0.002443
ENSG00000142279.13	91.23340389	1.33362	0.502707	2.652877	0.007981
ENSG00000049540.17	432.5721092	1.328459	0.451749	2.9407	0.003275
ENSG00000164825.4	89.32053419	1.325403	0.600952	2.205505	0.027419
ENSG00000181409.14	88.00847851	1.324403	0.521833	2.537981	0.011149
ENSG00000080493.17	144.9299086	1.317162	0.470231	2.801098	0.005093
ENSG00000198482.14	76.33858473	1.309344	0.547818	2.390109	0.016843
ENSG00000080573.7	153.1062411	1.306444	0.590481	2.212508	0.026932
ENSG00000234616.9	68.1913726	1.301749	0.560604	2.322048	0.02023
ENSG00000274422.1	98.43922104	1.299268	0.589473	2.204119	0.027516
ENSG00000141577.14	63.75927346	1.293732	0.580387	2.229084	0.025808
ENSG00000060491.16	73.59297591	1.292751	0.586752	2.203232	0.027578
ENSG00000074047.22	71.03920093	1.292424	0.648228	1.99378	0.046176
ENSG00000131747.15	463.9018126	1.290387	0.51216	2.519501	0.011752
ENSG00000175602.4	143.9948425	1.289088	0.511353	2.520935	0.011704
ENSG00000242732.4	83.52920635	1.284978	0.639692	2.008743	0.044564
ENSG00000182472.9	144.7792743	1.279379	0.467646	2.735783	0.006223
ENSG00000159335.18	257.9486222	1.278156	0.385384	3.316575	0.000911
ENSG00000287160.1	178.9489041	1.277812	0.52758	2.422024	0.015434
ENSG00000168807.16	183.8680959	1.271856	0.464582	2.737636	0.006188
ENSG00000125503.13	125.0724715	1.266517	0.50418	2.512032	0.012004
ENSG00000197182.14	44.65487974	1.265355	0.638635	1.981342	0.047553
ENSG00000103260.9	72.23775358	1.255225	0.60367	2.079325	0.037588
ENSG00000154124.5	162.0327406	1.248051	0.55565	2.24611	0.024697
ENSG00000006016.11	83.64141814	1.246334	0.534683	2.330976	0.019755
ENSG00000060069.17	65.5271537	1.244815	0.581243	2.141642	0.032222

ENSG00000174749.6	61.20290632	1.231381	0.581738	2.11673	0.034283
ENSG00000248690.8	69.03414377	1.22911	0.586652	2.095127	0.03616
ENSG00000176788.9	130.8909664	1.227982	0.496827	2.471651	0.013449
ENSG00000077150.20	310.0757486	1.225454	0.382749	3.201714	0.001366
ENSG00000100968.14	130.0989466	1.220275	0.446148	2.735134	0.006235
ENSG00000138778.13	138.9381849	1.218846	0.513901	2.371752	0.017704
ENSG00000261716.2	64.04702006	1.218417	0.611443	1.992692	0.046295
ENSG00000167978.17	738.1523068	1.210191	0.37933	3.190339	0.001421
ENSG00000228315.12	108.4912671	1.203069	0.4822	2.49496	0.012597
ENSG00000148426.13	103.7875308	1.202358	0.549901	2.1865	0.028779
ENSG00000159210.10	218.6687133	1.202184	0.443337	2.711669	0.006695
ENSG00000133107.15	71.47575507	1.196941	0.589513	2.030389	0.042317
ENSG00000151150.22	86.48615138	1.195811	0.527589	2.266558	0.023417
ENSG00000182512.5	70.67548992	1.192486	0.543016	2.196041	0.028089
ENSG00000164713.10	284.0080794	1.188876	0.40337	2.947361	0.003205
ENSG00000104059.4	78.91653372	1.188319	0.526968	2.255014	0.024132
ENSG00000255031.5	67.52672823	1.183528	0.550077	2.15157	0.031431
ENSG00000125817.8	221.5782495	1.183187	0.433559	2.729012	0.006352
ENSG00000110046.13	172.6432351	1.156875	0.461499	2.506778	0.012184
ENSG00000162783.11	160.6640199	1.154853	0.585479	1.972492	0.048553
ENSG00000134905.17	122.0360319	1.154567	0.464561	2.485288	0.012945
ENSG00000184368.16	80.77437199	1.152971	0.554909	2.077765	0.037731
ENSG00000114270.17	450.7564447	1.150187	0.395022	2.911706	0.003595
ENSG00000104824.17	269.451075	1.15	0.421948	2.725454	0.006421
ENSG00000182636.8	84.83930433	1.147697	0.541614	2.119033	0.034088
ENSG00000154229.12	220.0990068	1.145954	0.394792	2.902681	0.0037
ENSG00000198816.7	102.6625033	1.145351	0.473953	2.41659	0.015667
ENSG00000140832.10	61.62597525	1.144956	0.563871	2.030527	0.042303
ENSG00000136830.12	998.9031602	1.143655	0.356407	3.208845	0.001333
ENSG00000203727.4	114.9237001	1.141293	0.456906	2.497874	0.012494
ENSG00000167615.16	210.346175	1.139362	0.401711	2.836276	0.004564
ENSG00000007520.4	120.4153177	1.136381	0.51813	2.193235	0.02829
ENSG00000180543.5	111.2958445	1.135639	0.499056	2.275573	0.022872
ENSG00000197694.18	1161.905889	1.130855	0.392202	2.883345	0.003935
ENSG00000198840.2	451.3522973	1.127097	0.465758	2.419919	0.015524
ENSG00000210151.2	69.96304055	1.126731	0.572843	1.966911	0.049193
ENSG00000117676.14	132.7506507	1.123056	0.455781	2.464027	0.013739
ENSG00000226479.4	127.0117983	1.122826	0.495736	2.264969	0.023515
ENSG00000076382.17	187.9683262	1.121079	0.506673	2.21263	0.026923
ENSG00000244306.11	121.3654495	1.121005	0.558675	2.006545	0.044798
ENSG00000051128.19	167.2619627	1.118961	0.42722	2.619168	0.008814
ENSG00000116641.18	402.8072302	1.11529	0.377672	2.953069	0.003146
ENSG00000242265.5	912.4724411	1.102458	0.362816	3.038611	0.002377
ENSG00000065534.19	1352.684414	1.101981	0.408027	2.700753	0.006918
ENSG00000110917.8	1020.342898	1.101225	0.367729	2.994663	0.002747
ENSG00000277701.5	84.4699089	1.097126	0.533902	2.054921	0.039887
ENSG00000132464.13	97.50943982	1.097	0.552996	1.983741	0.047285
ENSG00000213741.11	575.3652251	1.086714	0.44513	2.441341	0.014633
ENSG00000237988.5	123.3329973	1.086469	0.520671	2.086671	0.036918
ENSG00000099804.9	199.6991574	1.084566	0.448865	2.416241	0.015682
ENSG00000130522.6	250.200428	1.083487	0.449685	2.409437	0.015977
ENSG00000141858.12	106.8271249	1.083347	0.487783	2.22096	0.026354

ENSG00000185340.15	76.48672457	1.082117	0.545359	1.984228	0.04723
ENSG00000103196.12	672.326502	1.081803	0.4143	2.611155	0.009024
ENSG00000196275.14	96.32026059	1.08152	0.536128	2.017281	0.043666
ENSG00000136167.15	505.1590303	1.079908	0.463191	2.331451	0.01973
ENSG00000111490.15	80.87155423	1.076436	0.51107	2.106239	0.035184
ENSG00000115808.12	154.4911946	1.069116	0.529672	2.01845	0.043544
ENSG00000264364.3	135.9984762	1.068366	0.469278	2.276619	0.022809
ENSG00000214753.4	124.9633886	1.066852	0.469252	2.273517	0.022995
ENSG00000244380.1	97.2650537	1.066575	0.491934	2.168125	0.030149
ENSG00000130511.16	92.05662746	1.066566	0.488083	2.185215	0.028873
ENSG00000229833.10	290.1788436	1.064268	0.382532	2.782164	0.0054
ENSG00000158747.15	590.3515181	1.064251	0.383192	2.777329	0.005481
ENSG00000172037.14	485.8677611	1.06303	0.418667	2.539084	0.011114
ENSG00000090470.15	99.52993265	1.061251	0.538006	1.972565	0.048545
ENSG00000145919.11	164.578781	1.060703	0.49549	2.140713	0.032297
ENSG00000109805.10	154.0680006	1.057281	0.502578	2.103713	0.035403
ENSG00000286190.2	284.411347	1.055243	0.44195	2.387697	0.016954
ENSG00000164040.18	280.3592145	1.053444	0.394046	2.673403	0.007509
ENSG00000170004.17	498.4341759	1.052273	0.412437	2.551356	0.01073
ENSG00000183963.18	799.592099	1.051287	0.418863	2.509862	0.012078
ENSG00000125730.17	757.1813252	1.048099	0.357722	2.929927	0.00339
ENSG00000198535.5	339.922601	1.045551	0.454608	2.299897	0.021454
ENSG00000160256.13	82.77739475	1.03907	0.529525	1.962268	0.049731
ENSG00000182325.11	111.2900305	1.036521	0.501529	2.066722	0.03876
ENSG00000141582.15	113.6913923	1.036077	0.494519	2.095122	0.03616
ENSG00000123144.11	305.2205746	1.035499	0.397661	2.603977	0.009215
ENSG00000118094.12	100.4201921	1.035426	0.48039	2.155386	0.031132
ENSG00000258232.2	446.9601088	1.030594	0.34994	2.945065	0.003229
ENSG00000180921.7	77.32225013	1.029631	0.522629	1.970098	0.048827
ENSG00000233927.5	420.4694629	1.027678	0.450962	2.278857	0.022676
ENSG00000152082.15	187.1335696	1.026304	0.406501	2.524727	0.011579
ENSG00000141052.18	130.0851064	1.022916	0.503113	2.033172	0.042035
ENSG00000110107.9	152.1180777	1.020434	0.434144	2.350449	0.018751
ENSG00000214022.11	234.2443128	1.016822	0.404691	2.512591	0.011985
ENSG00000141759.15	200.960514	1.009343	0.429003	2.352765	0.018634
ENSG00000147324.11	360.9582462	1.009232	0.44433	2.271359	0.023125
ENSG00000173020.11	220.2957336	1.009192	0.426074	2.368581	0.017856
ENSG00000240342.3	262.1013554	1.006912	0.40738	2.471676	0.013448
ENSG00000204394.13	397.0523063	1.005788	0.383103	2.625371	0.008655
ENSG00000171992.13	239.585525	1.004574	0.457077	2.197823	0.027962
ENSG00000116871.15	327.0150763	0.999118	0.383121	2.607843	0.009111
ENSG00000006118.15	509.1277459	0.997078	0.367496	2.713166	0.006664
ENSG00000204388.7	2885.70363	0.985002	0.482455	2.041643	0.041187
ENSG00000115457.10	298.7891545	0.981747	0.370581	2.649208	0.008068
ENSG00000171241.9	241.1879507	0.978463	0.468626	2.087937	0.036803
ENSG00000144554.11	103.4129739	0.972924	0.491906	1.977865	0.047944
ENSG00000213923.13	412.2657772	0.962141	0.389183	2.472209	0.013428
ENSG00000169627.9	240.711676	0.961477	0.394362	2.438059	0.014766
ENSG00000073350.14	273.7384502	0.953832	0.394655	2.416874	0.015654
ENSG00000196739.15	136.6692151	0.953797	0.454668	2.097791	0.035924
ENSG00000141524.16	106.3637076	0.953585	0.485032	1.966025	0.049296
ENSG00000185000.12	102.7281237	0.951808	0.480536	1.980722	0.047622

ENSG00000121774.18	503.5087383	0.950734	0.352987	2.693399	0.007073
ENSG00000123143.13	691.7235733	0.950175	0.449091	2.115774	0.034364
ENSG00000062822.15	171.7157901	0.949892	0.468187	2.028871	0.042471
ENSG00000099821.14	281.8914034	0.946757	0.472594	2.00332	0.045143
ENSG00000179403.12	216.4344842	0.944725	0.438959	2.152194	0.031382
ENSG00000185129.8	378.4793531	0.944492	0.379098	2.491418	0.012723
ENSG00000156802.13	264.1693779	0.940942	0.438229	2.147147	0.031782
ENSG00000169926.11	194.1603598	0.939025	0.457458	2.052701	0.040102
ENSG00000253368.4	198.1878273	0.937747	0.402482	2.329913	0.019811
ENSG00000171853.16	117.2207325	0.937071	0.468367	2.00072	0.045423
ENSG00000128564.7	949.6810994	0.933842	0.319472	2.923085	0.003466
ENSG00000168268.11	484.6090154	0.931739	0.458952	2.030147	0.042342
ENSG00000196924.18	5219.140888	0.929489	0.343263	2.707803	0.006773
ENSG00000161618.10	159.6494494	0.92707	0.430353	2.154208	0.031224
ENSG00000265784.1	125.3128386	0.926215	0.470263	1.969568	0.048888
ENSG00000175826.12	365.8396509	0.922352	0.403212	2.287514	0.022166
ENSG00000158545.16	199.229309	0.921358	0.461747	1.995374	0.046002
ENSG00000019144.19	328.4772769	0.919869	0.421492	2.182411	0.029079
ENSG00000171858.18	535.682289	0.916616	0.442181	2.072942	0.038178
ENSG00000111786.9	452.1769097	0.910774	0.359355	2.534467	0.011262
ENSG00000142173.16	1835.638446	0.90966	0.350809	2.593036	0.009513
ENSG00000271383.7	615.6102397	0.908146	0.378301	2.400594	0.016368
ENSG00000164889.14	715.4816759	0.903559	0.389006	2.322739	0.020193
ENSG00000187942.12	647.8768293	0.901582	0.425448	2.119133	0.034079
ENSG00000116396.15	132.7569058	0.899508	0.448305	2.006464	0.044807
ENSG00000197451.12	311.1279143	0.896911	0.377863	2.373641	0.017614
ENSG00000133030.22	872.7640957	0.895034	0.373289	2.3977	0.016498
ENSG00000183648.11	236.2745108	0.894159	0.386181	2.315386	0.020592
ENSG00000126709.15	217.6843257	0.888856	0.430889	2.062843	0.039128
ENSG00000065882.16	293.2040167	0.883598	0.404586	2.183953	0.028966
ENSG00000172809.13	1056.09611	0.879807	0.358959	2.450995	0.014246
ENSG00000169718.18	173.3745191	0.876893	0.4353	2.014458	0.043962
ENSG00000105357.18	265.2690531	0.87629	0.382602	2.290343	0.022001
ENSG00000032444.17	642.0542905	0.874144	0.377225	2.317303	0.020487
ENSG00000164292.13	763.7234273	0.873605	0.362911	2.407213	0.016075
ENSG00000138668.19	600.1963622	0.868039	0.34327	2.528733	0.011447
ENSG00000149418.11	522.3342409	0.867042	0.339326	2.55519	0.010613
ENSG00000197785.14	242.4453122	0.864783	0.404356	2.138666	0.032463
ENSG00000196642.19	347.8362592	0.862465	0.399913	2.156629	0.031035
ENSG00000102882.12	174.5678564	0.860918	0.416527	2.066896	0.038744
ENSG00000125755.19	408.4693999	0.86005	0.382028	2.251275	0.024368
ENSG00000125995.16	1155.551757	0.855958	0.355264	2.409357	0.015981
ENSG00000184110.15	3217.292675	0.852009	0.35563	2.395776	0.016585
ENSG00000175416.15	567.4990592	0.849684	0.365521	2.324584	0.020094
ENSG00000142599.19	310.6444793	0.845033	0.426548	1.981097	0.04758
ENSG00000267795.6	314.7960873	0.843486	0.395892	2.130596	0.033122
ENSG00000164880.16	376.7301563	0.84287	0.391397	2.153492	0.03128
ENSG00000161091.13	232.2974533	0.836644	0.394583	2.120324	0.033979
ENSG00000176407.18	403.473738	0.836321	0.375541	2.226975	0.025949
ENSG00000148411.8	187.734108	0.834687	0.403693	2.067629	0.038675
ENSG00000170906.16	460.3091959	0.834496	0.348524	2.394371	0.016649
ENSG00000112769.20	368.1717498	0.82991	0.401761	2.065683	0.038858

ENSG00000214655.11	285.0307115	0.828929	0.386477	2.144833	0.031966
ENSG00000126822.17	439.5689398	0.828802	0.379647	2.183083	0.02903
ENSG00000168028.14	2858.885449	0.82784	0.39794	2.080313	0.037497
ENSG00000089280.19	1008.889992	0.823088	0.328686	2.50418	0.012274
ENSG00000099331.13	254.5069075	0.818823	0.387833	2.111278	0.034748
ENSG00000182087.14	256.5395079	0.818583	0.379192	2.158754	0.030869
ENSG00000167658.16	7651.397439	0.814684	0.357879	2.276419	0.022821
ENSG00000167193.8	701.2500521	0.814327	0.377905	2.154844	0.031174
ENSG00000108424.10	2533.015063	0.81268	0.321921	2.524468	0.011587
ENSG00000198517.10	181.4950501	0.812306	0.406694	1.997341	0.045788
ENSG00000126247.11	802.4445895	0.81217	0.375615	2.162242	0.0306
ENSG00000179818.14	1262.132018	0.812129	0.402786	2.016278	0.043771
ENSG00000063660.9	303.7385437	0.811875	0.398657	2.036522	0.041698
ENSG00000080371.6	568.0730849	0.811531	0.410549	1.976699	0.048076
ENSG00000100836.10	301.4520369	0.811112	0.395449	2.051114	0.040256
ENSG00000197756.10	1414.812403	0.804057	0.379383	2.119378	0.034059
ENSG00000148677.7	3190.376773	0.787345	0.386478	2.037231	0.041627
ENSG00000051620.11	357.728641	0.780049	0.388483	2.007935	0.04465
ENSG00000104960.15	342.0141887	0.776035	0.380397	2.040066	0.041344
ENSG00000143537.14	392.6400266	0.775654	0.358072	2.166194	0.030296
ENSG00000125648.15	264.7084154	0.774383	0.393128	1.969798	0.048862
ENSG00000169871.13	504.8674729	0.757057	0.347645	2.177671	0.029431
ENSG00000177469.13	1905.4602	0.754548	0.33291	2.266521	0.023419
ENSG00000100242.15	478.1652214	0.751271	0.351257	2.138804	0.032452
ENSG00000071655.18	479.6189119	0.750052	0.361648	2.073986	0.038081
ENSG00000168488.18	417.3948952	0.743236	0.346032	2.147885	0.031723
ENSG00000130726.12	904.669023	0.738221	0.368301	2.004397	0.045028
ENSG00000170144.20	1186.008223	0.733085	0.369158	1.98583	0.047052
ENSG00000162614.19	562.1775634	0.724334	0.348669	2.077426	0.037762
ENSG00000141753.7	708.0685074	0.712894	0.343164	2.077413	0.037763
ENSG00000114353.17	949.7230951	0.711572	0.323059	2.202608	0.027622
ENSG00000184216.14	883.3749165	0.707231	0.338016	2.092302	0.036412
ENSG00000103495.14	522.9774206	0.702918	0.351851	1.997771	0.045742
ENSG00000127616.19	1053.882597	0.696027	0.343395	2.026898	0.042673
ENSG00000232112.3	1720.248844	0.695818	0.341568	2.037131	0.041637
ENSG00000161671.17	714.4779103	0.683067	0.343425	1.988985	0.046703
ENSG00000238045.9	449.9903261	0.681005	0.346453	1.965646	0.049339
ENSG00000179218.14	4110.729649	0.63006	0.315801	1.995117	0.04603

th pAd-MIR125B versus control

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0.999937 ENSG000001000000 SNRNP70
0.999937 ENSG000001000000 MAP11
0.999937 ENSG000001000000 LRRTM2
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0.706851 ENSG000001000000 RPS2
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0.999937 ENSG000001000000 PPP1R14B
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0.999937 ENSG00000108072 MAPK3
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0.999937 ENSG00000108075 EIF3C
0.999937 ENSG00000108076 CLTB
0.999937 ENSG00000108077 RERE
0.999937 ENSG00000108078 SMIM22
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0.999937 ENSG00000108081 KCMF1
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Supplemental Table 7. Genes down-regulated (p-value <0.05, baseMean >10 RPKM) in human islets infected

Gene.stable.ID.version	baseMean	log2FoldCh	lfcSE	stat	pvalue
ENSG00000283809.1	10.76162606	-4.11055	1.585786	-2.59212	0.009539
ENSG00000188629.13	12.06544391	-4.34742	1.525232	-2.85033	0.004367
ENSG00000203761.5	12.45082707	-2.6928	1.244923	-2.16302	0.030539
ENSG00000261611.6	13.01485406	-2.54914	1.215247	-2.09763	0.035938
ENSG00000163736.4	14.39151905	-3.55474	1.285173	-2.76596	0.005676
ENSG00000270882.2	15.71259642	-3.68426	1.542389	-2.38867	0.016909
ENSG00000179978.11	17.45409967	-2.37141	1.139304	-2.08146	0.037392
ENSG00000260404.3	17.69792658	-3.53218	1.092295	-3.23372	0.001222
ENSG00000135477.11	18.48383	-2.32011	1.181657	-1.96343	0.049596
ENSG00000250111.3	20.35751422	-8.00394	3.846928	-2.08061	0.03747
ENSG00000286053.2	20.98393293	-3.14155	1.060288	-2.96292	0.003047
ENSG00000249481.7	21.27255026	-2.73418	1.090412	-2.50747	0.01216
ENSG00000259075.6	26.53387217	-2.07548	1.055597	-1.96616	0.04928
ENSG00000283765.1	26.60315676	-3.22965	1.144648	-2.82152	0.00478
ENSG00000254806.5	27.23633042	-3.78435	1.040641	-3.63656	0.000276
ENSG00000165325.13	28.67532495	-2.0854	0.927426	-2.24858	0.024539
ENSG00000234851.4	29.57537349	-2.99075	1.037436	-2.88282	0.003941
ENSG00000267308.3	29.63685556	-2.90199	1.145569	-2.53323	0.011302
ENSG00000213963.6	30.96247982	-1.77007	0.83031	-2.13181	0.033022
ENSG00000214435.8	31.38579448	-2.61902	0.985863	-2.65657	0.007894
ENSG00000253816.3	32.41912756	-2.05073	0.892516	-2.2977	0.021579
ENSG00000257529.5	34.34567077	-6.49991	2.601571	-2.49846	0.012474
ENSG00000118690.13	34.6957341	-2.00729	0.784382	-2.55907	0.010495
ENSG00000286239.1	36.45351614	-5.43641	1.202929	-4.51931	6.20E-06
ENSG00000224831.3	41.11374506	-2.40001	0.862897	-2.78135	0.005413
ENSG00000262633.2	41.21441792	-2.89242	0.847302	-3.41368	0.000641
ENSG00000275163.1	41.73992358	-2.76935	0.920494	-3.00855	0.002625
ENSG00000283886.3	42.05584484	-2.64122	0.990775	-2.66581	0.00768
ENSG00000284292.1	44.49877149	-1.66903	0.834755	-1.99943	0.045562
ENSG00000261553.5	44.50357097	-1.30386	0.632219	-2.06236	0.039174
ENSG00000134297.6	47.0840328	-1.43023	0.640199	-2.23404	0.02548
ENSG00000143382.15	48.5421248	-1.33838	0.6606	-2.02601	0.042764
ENSG00000175449.14	49.16275721	-1.73196	0.642046	-2.69755	0.006985
ENSG00000241313.3	49.75476007	-1.41532	0.629923	-2.24682	0.024652
ENSG00000131944.10	50.64715911	-1.20811	0.612859	-1.97128	0.048692
ENSG00000170356.9	51.42489371	-1.5005	0.635798	-2.36003	0.018273
ENSG00000171817.17	51.51289474	-1.51701	0.622443	-2.43718	0.014802
ENSG00000108984.15	55.61957191	-1.42681	0.594319	-2.40074	0.016362
ENSG00000135537.17	57.21003045	-1.70206	0.660512	-2.57688	0.00997
ENSG00000183621.15	57.74183299	-1.29476	0.619246	-2.09087	0.03654
ENSG00000270117.1	57.7908364	-2.14424	0.711307	-3.0145	0.002574
ENSG00000121316.11	57.81014656	-1.33624	0.644076	-2.07465	0.038019
ENSG00000124208.16	59.80728069	-9.69708	3.845204	-2.52186	0.011673
ENSG00000138030.13	59.91274784	-1.2295	0.584651	-2.10297	0.035468
ENSG00000227232.5	60.3312598	-1.64277	0.744971	-2.20515	0.027444
ENSG00000256034.1	62.00310594	-1.67292	0.640725	-2.61098	0.009028
ENSG00000243406.6	63.20561759	-1.25759	0.571986	-2.19863	0.027904
ENSG00000169220.18	63.76997848	-1.22585	0.597132	-2.0529	0.040082
ENSG00000127081.14	67.9950905	-1.40863	0.553351	-2.54564	0.010908
ENSG00000204711.9	70.88211087	-1.25214	0.63663	-1.96682	0.049204

ENSG00000137101.13	71.91219014	-1.239	0.579394	-2.13844	0.032481
ENSG00000170425.3	75.6234546	-1.12397	0.551621	-2.03758	0.041592
ENSG00000185250.16	77.79078302	-1.32234	0.537282	-2.46118	0.013848
ENSG00000204179.10	79.2644543	-1.21326	0.544897	-2.22658	0.025976
ENSG00000216937.13	79.31786888	-1.12704	0.549333	-2.05165	0.040204
ENSG00000135472.9	80.27193302	-1.08138	0.551305	-1.96148	0.049823
ENSG00000136943.11	80.45536557	-1.37427	0.585819	-2.3459	0.018981
ENSG00000259924.1	80.90709444	-1.23046	0.610374	-2.01592	0.043809
ENSG00000145416.13	81.28891143	-1.26305	0.51062	-2.47356	0.013378
ENSG00000185304.15	82.10346283	-4.34935	1.890828	-2.30024	0.021435
ENSG00000122585.8	83.87181439	-1.34186	0.672375	-1.99571	0.045966
ENSG00000283761.1	84.53344426	-1.81823	0.526799	-3.45148	0.000558
ENSG00000188611.15	84.74498332	-1.579	0.606133	-2.60505	0.009186
ENSG00000182141.10	88.27466154	-1.73641	0.583223	-2.97727	0.002908
ENSG00000265590.10	89.11779431	-1.67305	0.647279	-2.58474	0.009745
ENSG00000108924.14	91.27248837	-1.51746	0.503655	-3.01289	0.002588
ENSG00000241489.8	92.06544963	-1.32325	0.623617	-2.1219	0.033846
ENSG00000237440.9	97.61570494	-1.28815	0.48112	-2.67741	0.007419
ENSG00000115137.12	99.43455744	-1.88111	0.573897	-3.27778	0.001046
ENSG00000169239.13	100.2330499	-1.12584	0.504288	-2.23253	0.02558
ENSG00000141542.11	101.3533709	-1.1381	0.493616	-2.30563	0.021131
ENSG00000241316.8	103.4425051	-1.09894	0.483803	-2.27146	0.023119
ENSG00000227220.1	106.3553061	-1.18013	0.538189	-2.19278	0.028323
ENSG00000163293.12	106.70799	-1.25234	0.513934	-2.43677	0.014819
ENSG00000124205.18	112.8043709	-1.21376	0.52087	-2.33026	0.019792
ENSG00000115112.8	113.1524007	-1.10704	0.460984	-2.40147	0.016329
ENSG00000279457.4	117.9775165	-1.28843	0.519101	-2.48204	0.013063
ENSG00000161277.11	118.2106118	-1.01426	0.50559	-2.00609	0.044847
ENSG00000182986.14	121.6443388	-0.94761	0.449951	-2.10602	0.035202
ENSG00000165115.15	122.050829	-1.20011	0.461657	-2.59956	0.009334
ENSG00000175106.16	123.3420046	-0.95552	0.474482	-2.01381	0.044029
ENSG00000168255.20	124.9883937	-1.11914	0.54253	-2.06281	0.03913
ENSG00000102796.11	126.2997531	-1.33342	0.565288	-2.35884	0.018332
ENSG00000159208.16	136.080922	-1.1413	0.472127	-2.41737	0.015633
ENSG00000184584.13	137.0705045	-0.97184	0.45677	-2.12764	0.033367
ENSG00000243232.6	137.7373307	-1.24585	0.555072	-2.24449	0.024801
ENSG00000126814.7	142.5437615	-1.11226	0.439536	-2.53052	0.011389
ENSG00000162374.18	142.9016587	-1.06062	0.468863	-2.26212	0.02369
ENSG00000187266.14	145.4186164	-1.01342	0.465429	-2.1774	0.029451
ENSG00000040731.10	146.7421454	-0.99116	0.485653	-2.04089	0.041262
ENSG00000214013.9	146.9368913	-0.98062	0.431603	-2.27205	0.023083
ENSG00000171522.6	148.947457	-1.02172	0.464775	-2.19831	0.027927
ENSG00000113966.10	150.3737519	-1.07935	0.434567	-2.48373	0.013002
ENSG00000186106.11	153.0536139	-1.13027	0.482139	-2.34427	0.019064
ENSG00000065609.14	156.085998	-1.15758	0.443564	-2.60973	0.009061
ENSG00000137720.8	156.72541	-0.87502	0.433326	-2.01931	0.043455
ENSG00000125703.15	160.0955814	-0.84375	0.425786	-1.98163	0.047521
ENSG00000196227.11	165.3654699	-1.71897	0.434009	-3.96066	7.47E-05
ENSG00000108599.15	169.1791535	-0.95046	0.418064	-2.27349	0.022997
ENSG00000123600.20	170.0858937	-1.06351	0.469182	-2.26673	0.023406
ENSG00000185875.13	170.402377	-1.01895	0.465657	-2.18821	0.028654
ENSG00000164074.15	174.5552201	-1.3189	0.456822	-2.88712	0.003888

ENSG00000169629.12	177.0111631	-1.22521	0.588617	-2.08151	0.037387
ENSG00000039139.9	180.3459055	-1.29976	0.547356	-2.37461	0.017567
ENSG00000154917.11	181.2925473	-1.06739	0.485717	-2.19754	0.027982
ENSG00000111358.14	181.5946384	-1.04228	0.412366	-2.52756	0.011486
ENSG00000138036.18	183.1568497	-0.84833	0.423617	-2.0026	0.04522
ENSG00000149260.18	184.5750145	-1.13208	0.443881	-2.55042	0.010759
ENSG00000171100.15	184.6691037	-1.04903	0.491351	-2.13499	0.032762
ENSG00000157107.14	185.0998592	-1.1012	0.410406	-2.68319	0.007292
ENSG00000057704.13	187.6180697	-1.12047	0.441971	-2.53517	0.011239
ENSG00000184702.20	190.0568357	-1.51853	0.477458	-3.18044	0.001471
ENSG00000198001.14	194.646496	-1.09662	0.46313	-2.36784	0.017892
ENSG00000131910.5	194.9620631	-0.93978	0.437774	-2.14672	0.031816
ENSG00000163960.12	195.8535211	-0.98193	0.445414	-2.20454	0.027487
ENSG00000102547.19	196.1971647	-0.94418	0.464306	-2.03353	0.041999
ENSG00000141179.14	196.274909	-1.17109	0.473266	-2.47449	0.013343
ENSG00000188428.20	198.6896424	-1.04561	0.431777	-2.42163	0.015451
ENSG00000067646.12	198.737149	-0.81449	0.402169	-2.02525	0.042842
ENSG00000163071.11	199.7015474	-0.8079	0.398274	-2.0285	0.042509
ENSG00000152056.17	201.9279625	-1.01399	0.491286	-2.06395	0.039022
ENSG00000143363.17	205.8639636	-0.9944	0.43327	-2.29509	0.021728
ENSG00000124939.6	209.1378156	-1.21352	0.492726	-2.46286	0.013783
ENSG00000118402.6	209.6399682	-0.99823	0.507957	-1.96519	0.049392
ENSG00000078237.7	210.1711094	-1.57334	0.640657	-2.45583	0.014056
ENSG00000154874.15	211.4914453	-0.95396	0.446309	-2.13745	0.032562
ENSG00000176148.16	218.0652664	-0.88939	0.416932	-2.13318	0.03291
ENSG00000256664.1	219.5492516	-1.22234	0.490345	-2.49282	0.012673
ENSG00000119965.13	226.0246677	-0.96288	0.488545	-1.97091	0.048734
ENSG00000155657.27	231.2534084	-1.43111	0.405511	-3.52915	0.000417
ENSG00000119616.11	236.5077782	-0.90532	0.420675	-2.15207	0.031392
ENSG00000107201.10	241.6199918	-0.78357	0.396598	-1.97574	0.048184
ENSG00000135709.12	242.1516016	-0.96257	0.432299	-2.22663	0.025972
ENSG00000119929.13	243.2733784	-0.82977	0.40198	-2.0642	0.038999
ENSG00000169255.15	243.9963555	-1.08941	0.499196	-2.18232	0.029086
ENSG00000163281.12	246.0659083	-0.99991	0.456589	-2.18995	0.028528
ENSG00000152382.6	246.6317044	-0.88755	0.415114	-2.1381	0.032509
ENSG00000104427.12	248.4217463	-0.89026	0.425777	-2.09092	0.036536
ENSG00000002587.10	254.7993717	-1.09179	0.479989	-2.27461	0.022929
ENSG00000139350.12	256.5829347	-0.86704	0.432579	-2.00435	0.045032
ENSG00000079385.22	258.4360698	-0.95439	0.441058	-2.16387	0.030474
ENSG00000078124.12	261.5916411	-1.12935	0.404036	-2.79516	0.005187
ENSG00000198018.7	263.9286154	-0.80019	0.389945	-2.05207	0.040163
ENSG00000259976.3	265.2605587	-11.7504	3.843638	-3.05711	0.002235
ENSG00000146414.16	266.849624	-0.83379	0.394923	-2.11127	0.034749
ENSG00000135828.11	269.927309	-0.81332	0.408963	-1.98874	0.04673
ENSG00000145868.17	270.9333121	-0.76424	0.375976	-2.03268	0.042085
ENSG00000113916.18	275.5643119	-1.29093	0.533815	-2.41831	0.015593
ENSG00000260912.1	276.2316353	-1.51227	0.452748	-3.3402	0.000837
ENSG00000011105.14	276.5810287	-0.91333	0.423276	-2.15777	0.030945
ENSG00000132768.14	280.4162936	-0.81697	0.39557	-2.06531	0.038894
ENSG00000137075.18	280.5465984	-0.81688	0.396752	-2.05892	0.039502
ENSG00000122484.9	281.5980401	-1.45312	0.532865	-2.72699	0.006392
ENSG00000204524.7	281.8186675	-0.79208	0.374277	-2.11631	0.034319

ENSG00000179178.11	282.0441883	-0.76914	0.389855	-1.9729	0.048507
ENSG00000170088.14	286.8436179	-0.99353	0.432534	-2.29699	0.021619
ENSG00000189050.16	287.6265942	-0.76971	0.383018	-2.00959	0.044475
ENSG00000082213.18	296.4425833	-0.92731	0.430355	-2.15475	0.031181
ENSG00000197563.11	297.1559896	-0.82576	0.389329	-2.12099	0.033922
ENSG00000174943.11	297.754414	-0.84336	0.408467	-2.06469	0.038952
ENSG00000040341.18	299.3837243	-0.86539	0.375943	-2.30191	0.02134
ENSG00000157823.17	303.9480488	-0.89899	0.439063	-2.04751	0.040608
ENSG00000132952.12	304.4879183	-0.97362	0.37222	-2.6157	0.008904
ENSG00000169122.11	308.0728552	-0.8704	0.393958	-2.20937	0.027149
ENSG00000187193.9	309.5635119	-1.18326	0.502229	-2.35601	0.018472
ENSG00000114904.13	316.4398276	-0.84919	0.380005	-2.23469	0.025438
ENSG00000111110.12	316.6821928	-1.31373	0.403032	-3.25961	0.001116
ENSG00000197892.13	318.3574744	-0.87342	0.437566	-1.9961	0.045923
ENSG00000205133.12	320.6299457	-0.96543	0.413641	-2.33398	0.019597
ENSG00000140463.14	322.3034369	-0.97915	0.382987	-2.55662	0.010569
ENSG00000254858.10	322.8036908	-0.82464	0.386312	-2.13466	0.032789
ENSG00000164073.11	322.9116328	-0.86408	0.407128	-2.12237	0.033807
ENSG00000170381.14	323.4131585	-1.41132	0.417923	-3.37698	0.000733
ENSG00000177917.11	323.6831232	-0.86316	0.389206	-2.21773	0.026573
ENSG00000101871.16	323.9694344	-1.055	0.388838	-2.71321	0.006663
ENSG00000164331.10	324.0184214	-0.85663	0.427408	-2.00424	0.045044
ENSG00000134758.14	325.4945147	-1.06312	0.389101	-2.73224	0.00629
ENSG00000147894.17	326.709702	-0.93132	0.395094	-2.3572	0.018413
ENSG00000107669.17	328.6816934	-0.85391	0.372073	-2.295	0.021733
ENSG00000088451.11	329.4873537	-0.91247	0.406546	-2.24445	0.024803
ENSG00000108306.13	329.670132	-0.83225	0.402713	-2.0666	0.038772
ENSG00000108963.18	333.266803	-0.79811	0.379006	-2.1058	0.035221
ENSG00000151806.14	333.4116971	-0.91624	0.394361	-2.32334	0.020161
ENSG00000103111.15	334.9233629	-0.80529	0.407764	-1.97489	0.048281
ENSG00000178425.14	337.3832146	-1.08685	0.46189	-2.35306	0.01862
ENSG00000197329.12	338.1906804	-0.93414	0.402293	-2.32203	0.020231
ENSG00000116141.16	338.5901058	-0.88958	0.421866	-2.10868	0.034972
ENSG00000162976.13	340.2047556	-0.84442	0.410959	-2.05474	0.039904
ENSG00000119328.12	342.2240186	-0.88854	0.388367	-2.28788	0.022144
ENSG00000213066.13	344.4169449	-0.72334	0.364486	-1.98455	0.047195
ENSG00000203880.12	345.6674793	-0.84492	0.416283	-2.02967	0.04239
ENSG00000147421.18	348.6431807	-0.84197	0.385053	-2.18663	0.02877
ENSG00000158092.7	349.3843217	-0.78924	0.385029	-2.04983	0.040381
ENSG00000035664.11	351.9385381	-0.91997	0.382116	-2.40757	0.016059
ENSG00000156103.16	353.1307177	-0.85803	0.364537	-2.35376	0.018585
ENSG00000005801.18	354.8786117	-1.18039	0.399726	-2.95299	0.003147
ENSG00000257181.1	356.6206181	-0.98998	0.418566	-2.36516	0.018022
ENSG00000101928.13	362.5843568	-0.87052	0.432462	-2.01293	0.044122
ENSG00000163558.13	364.064432	-0.79964	0.372982	-2.14391	0.03204
ENSG00000136710.10	365.2340259	-0.9007	0.382684	-2.35365	0.01859
ENSG00000173226.17	367.5104181	-0.92956	0.385977	-2.40832	0.016026
ENSG00000113638.14	371.9465353	-0.94627	0.393409	-2.4053	0.016159
ENSG00000153132.13	372.851219	-0.91074	0.436367	-2.08711	0.036879
ENSG00000182923.18	377.3145255	-0.7916	0.389231	-2.03374	0.041978
ENSG00000135953.11	377.9404677	-1.11377	0.389424	-2.86005	0.004236
ENSG00000179387.10	378.7781876	-0.79326	0.399838	-1.98395	0.047262

ENSG00000155903.13	381.3752281	-1.0828	0.399305	-2.7117	0.006694
ENSG00000256043.3	385.0686086	-1.22001	0.515547	-2.36643	0.017961
ENSG00000136490.9	385.3654203	-0.92108	0.436118	-2.11198	0.034688
ENSG00000180776.16	385.7969143	-0.86155	0.406101	-2.12151	0.033879
ENSG00000165322.18	386.2821355	-0.9475	0.38231	-2.47835	0.013199
ENSG00000143457.11	386.5123273	-0.84506	0.385837	-2.1902	0.02851
ENSG00000120925.16	389.1624716	-0.91259	0.39132	-2.33207	0.019697
ENSG00000117479.15	391.7559829	-0.86262	0.363284	-2.3745	0.017573
ENSG00000066855.16	393.3541067	-0.79816	0.375457	-2.12585	0.033516
ENSG00000076067.13	397.3784697	-0.81761	0.368542	-2.21851	0.02652
ENSG00000156171.14	398.2279318	-1.14453	0.441518	-2.59226	0.009535
ENSG00000152942.19	398.2905424	-1.08979	0.391595	-2.78295	0.005387
ENSG00000214049.8	402.1474236	-1.21023	0.523862	-2.31021	0.020876
ENSG00000114742.14	403.053934	-0.87329	0.373097	-2.34064	0.019251
ENSG00000183597.16	407.831025	-0.84186	0.376171	-2.23798	0.025222
ENSG00000107798.18	408.5061478	-0.8669	0.42691	-2.03063	0.042293
ENSG00000169242.12	411.2926256	-0.70176	0.356669	-1.96752	0.049123
ENSG00000128965.13	414.8029876	-0.92559	0.38721	-2.3904	0.01683
ENSG00000140386.13	417.0192895	-0.756	0.374909	-2.0165	0.043748
ENSG00000151881.14	417.0333329	-0.77533	0.385842	-2.00946	0.044489
ENSG00000161533.12	422.2782884	-0.72202	0.366309	-1.97106	0.048717
ENSG00000061918.14	424.7971091	-0.91934	0.401306	-2.29088	0.02197
ENSG00000175354.20	425.867629	-0.7926	0.377575	-2.09917	0.035802
ENSG00000135678.12	426.6744057	-0.83756	0.349209	-2.39845	0.016465
ENSG00000259583.3	427.4940914	-1.0195	0.425745	-2.39463	0.016637
ENSG00000107295.10	427.7067506	-1.19316	0.493698	-2.41677	0.015659
ENSG00000000003.15	431.5961158	-0.79415	0.391266	-2.0297	0.042387
ENSG00000107537.14	433.8969086	-0.8207	0.384759	-2.13302	0.032923
ENSG00000164168.8	438.8975951	-0.88598	0.394603	-2.24524	0.024753
ENSG00000144468.17	444.9857772	-1.04605	0.38387	-2.72501	0.00643
ENSG00000087338.5	447.5343429	-0.89987	0.366371	-2.45616	0.014043
ENSG00000125398.8	448.0118188	-0.82844	0.375211	-2.20793	0.027249
ENSG00000157349.17	456.7010226	-0.75132	0.372463	-2.01717	0.043678
ENSG00000059758.8	458.3561272	-0.87892	0.368107	-2.38768	0.016955
ENSG00000069667.16	459.0263749	-1.06311	0.38006	-2.79722	0.005154
ENSG00000026103.22	459.3004565	-0.84683	0.393865	-2.15006	0.03155
ENSG00000133103.17	459.5739185	-0.84047	0.406324	-2.06847	0.038595
ENSG00000100532.12	460.11823	-0.75218	0.374692	-2.00747	0.044699
ENSG00000065615.14	461.3738987	-0.93418	0.449562	-2.07797	0.037712
ENSG00000080546.13	463.1754489	-0.82407	0.381256	-2.16145	0.030661
ENSG00000071073.13	464.5595511	-1.14919	0.418888	-2.74344	0.00608
ENSG00000101493.11	468.0660206	-1.03613	0.358962	-2.88647	0.003896
ENSG00000109586.12	470.8358434	-0.78253	0.382797	-2.04424	0.040929
ENSG00000177888.8	473.1305409	-0.9529	0.356333	-2.67419	0.007491
ENSG00000008405.12	474.6826931	-0.88848	0.41979	-2.11648	0.034304
ENSG00000155849.15	476.6734889	-1.21763	0.574387	-2.11988	0.034016
ENSG00000071189.21	477.3775388	-0.96576	0.437041	-2.20978	0.027121
ENSG00000105879.12	479.6223549	-0.94207	0.364381	-2.5854	0.009727
ENSG00000166407.14	482.1299469	-0.92634	0.454025	-2.04029	0.041321
ENSG00000204977.10	482.9722302	-0.74215	0.362604	-2.04672	0.040685
ENSG00000148516.21	485.9258207	-0.88187	0.413876	-2.13075	0.03311
ENSG00000096060.15	488.7846171	-0.71285	0.360083	-1.97968	0.04774

ENSG00000163131.11	496.1100721	-0.77901	0.385092	-2.02291	0.043082
ENSG00000196730.13	500.9926975	-0.95914	0.423405	-2.2653	0.023494
ENSG00000146476.11	502.4935452	-0.86421	0.427902	-2.01966	0.043419
ENSG00000110422.12	504.1177303	-0.74224	0.371106	-2.00009	0.045491
ENSG00000125772.14	505.9267458	-1.05086	0.373789	-2.81138	0.004933
ENSG00000170006.12	506.010357	-1.17481	0.375597	-3.12785	0.001761
ENSG00000173889.16	508.0329031	-0.93002	0.378533	-2.45692	0.014014
ENSG00000167005.14	510.5331863	-0.94854	0.441997	-2.14602	0.031871
ENSG00000128923.11	512.882327	-1.09335	0.338571	-3.22932	0.001241
ENSG00000119402.17	516.7318908	-0.78423	0.360232	-2.17701	0.02948
ENSG00000196505.11	519.1812661	-0.93514	0.403904	-2.31526	0.020599
ENSG00000143437.21	523.3009313	-0.84118	0.427846	-1.96609	0.049289
ENSG00000174197.16	532.4375131	-0.77407	0.354617	-2.18282	0.029049
ENSG00000119004.16	532.8414369	-1.01685	0.385692	-2.63643	0.008378
ENSG00000165102.15	533.3453977	-0.7604	0.34942	-2.17617	0.029543
ENSG00000179454.14	536.9366772	-1.02442	0.361827	-2.83125	0.004637
ENSG00000035115.22	537.4227925	-0.8504	0.398921	-2.13175	0.033027
ENSG00000054654.19	537.4249902	-0.85527	0.34857	-2.45364	0.014142
ENSG00000085449.15	540.1842046	-0.78557	0.388849	-2.02025	0.043358
ENSG00000141446.11	541.2002013	-0.86531	0.378239	-2.28773	0.022153
ENSG00000197601.13	547.4196858	-0.74599	0.37116	-2.00989	0.044443
ENSG00000131437.15	548.5366432	-0.89377	0.435715	-2.05126	0.040241
ENSG00000176142.13	550.4616381	-1.29114	0.386866	-3.33743	0.000846
ENSG00000170145.5	550.7955083	-0.7657	0.375517	-2.03907	0.041443
ENSG00000136021.19	551.5301168	-0.73987	0.339304	-2.18056	0.029216
ENSG00000168297.16	555.3262357	-0.76427	0.365741	-2.08964	0.03665
ENSG00000062725.10	559.8258072	-1.13157	0.467846	-2.41869	0.015577
ENSG00000169155.10	560.0499971	-1.05904	0.376738	-2.81107	0.004938
ENSG00000104368.18	561.9093382	-0.85312	0.35796	-2.38327	0.017159
ENSG00000028839.10	561.9223576	-0.68462	0.345413	-1.98204	0.047474
ENSG00000115947.14	562.6403182	-0.98386	0.430804	-2.28378	0.022384
ENSG00000258757.1	563.3724216	-1.50309	0.554872	-2.70889	0.006751
ENSG00000134852.15	566.5449924	-0.68563	0.347831	-1.97117	0.048704
ENSG00000095777.17	569.9110908	-1.21074	0.506754	-2.38921	0.016885
ENSG00000156136.10	570.2641197	-1.03883	0.418884	-2.47999	0.013139
ENSG00000104231.11	571.5510008	-0.68381	0.339276	-2.0155	0.043852
ENSG00000134152.11	571.8637427	-0.84561	0.396881	-2.13064	0.033119
ENSG00000134339.9	575.2649815	-1.07015	0.396185	-2.70113	0.00691
ENSG00000118263.15	576.5986406	-0.67402	0.336578	-2.00256	0.045224
ENSG00000086300.16	582.0510881	-0.67458	0.333841	-2.02065	0.043316
ENSG00000053770.12	587.7917881	-0.79724	0.39336	-2.02675	0.042688
ENSG00000165959.12	590.4639222	-0.76176	0.359082	-2.12142	0.033886
ENSG00000163681.16	599.3844236	-0.73264	0.369177	-1.98452	0.047198
ENSG00000140274.14	600.3509699	-1.73285	0.544572	-3.18205	0.001462
ENSG00000100596.7	601.7923577	-0.74173	0.360681	-2.05647	0.039737
ENSG00000143815.15	602.604593	-0.88973	0.391194	-2.27439	0.022943
ENSG00000219481.10	606.462076	-0.86869	0.339771	-2.55668	0.010568
ENSG00000171564.12	611.3818096	-1.0219	0.410588	-2.48886	0.012815
ENSG00000105778.19	611.5195557	-0.84308	0.410535	-2.05362	0.040013
ENSG00000165434.8	615.3334425	-0.87385	0.353606	-2.47124	0.013464
ENSG00000117859.19	616.9869459	-0.78326	0.375021	-2.08857	0.036746
ENSG00000118518.16	619.5223949	-0.71316	0.356405	-2.00098	0.045394

ENSG00000163512.14	619.9076291	-0.76057	0.345303	-2.2026	0.027623
ENSG00000006715.16	620.5684775	-1.04432	0.386218	-2.70395	0.006852
ENSG00000120937.9	620.9055754	-0.73684	0.336338	-2.19077	0.028469
ENSG00000134709.12	621.8089142	-1.19069	0.361761	-3.29138	0.000997
ENSG00000198887.9	624.6817846	-0.72364	0.346926	-2.08586	0.036991
ENSG00000164031.17	624.6829306	-1.08301	0.423243	-2.55883	0.010502
ENSG00000152749.8	629.6095663	-0.88281	0.375625	-2.35024	0.018761
ENSG00000132639.13	632.4597221	-1.02116	0.476909	-2.1412	0.032258
ENSG00000154153.13	635.6664428	-1.4	0.388933	-3.5996	0.000319
ENSG00000100744.15	636.0323386	-0.90024	0.42067	-2.14002	0.032353
ENSG00000156711.17	638.2386601	-0.72937	0.366594	-1.98958	0.046638
ENSG00000117155.16	641.4352449	-0.8111	0.391374	-2.07244	0.038225
ENSG00000166128.13	644.8500453	-0.87906	0.405087	-2.17006	0.030002
ENSG00000136052.9	645.4933428	-1.05972	0.353626	-2.99673	0.002729
ENSG00000143469.20	646.0573844	-1.54977	0.403224	-3.84345	0.000121
ENSG00000164219.10	646.5364588	-1.05052	0.409496	-2.56541	0.010305
ENSG00000169902.15	647.4193558	-0.80929	0.377368	-2.14456	0.031988
ENSG00000105855.10	649.5908597	-0.88758	0.416334	-2.13189	0.033016
ENSG00000101966.13	651.3991418	-1.42517	0.474004	-3.00666	0.002641
ENSG00000147457.14	656.4297801	-0.69289	0.339953	-2.03819	0.041531
ENSG00000082258.13	657.4356576	-0.72371	0.342929	-2.11037	0.034827
ENSG00000082996.20	658.4089998	-0.98434	0.433353	-2.27146	0.023119
ENSG00000104320.14	660.0881974	-0.81543	0.397389	-2.05198	0.040172
ENSG00000104343.21	666.9144987	-0.77625	0.348728	-2.22595	0.026017
ENSG00000234456.8	677.3728912	-0.8391	0.377817	-2.22091	0.026357
ENSG00000142892.15	683.5708147	-0.85134	0.39797	-2.1392	0.032419
ENSG00000163171.8	688.7219339	-0.82007	0.356738	-2.2988	0.021516
ENSG00000140262.18	690.609747	-1.30957	0.39267	-3.33504	0.000853
ENSG00000170525.21	692.8257447	-0.66968	0.334921	-1.99953	0.045551
ENSG00000107551.21	697.7434247	-1.25179	0.354756	-3.52859	0.000418
ENSG00000123836.15	699.618664	-1.18748	0.404894	-2.93281	0.003359
ENSG00000135549.15	701.6502526	-0.8764	0.38127	-2.29864	0.021525
ENSG00000107643.16	702.1221854	-0.91835	0.369199	-2.48741	0.012868
ENSG00000114120.14	704.8182932	-1.06298	0.331835	-3.20333	0.001358
ENSG00000146282.18	705.2496577	-0.73021	0.351695	-2.07625	0.037871
ENSG00000172269.19	713.1158588	-0.86967	0.376004	-2.31294	0.020726
ENSG00000167244.21	717.227689	-1.1449	0.494084	-2.31721	0.020492
ENSG00000173432.12	718.656954	-1.00729	0.377667	-2.66715	0.00765
ENSG00000119314.16	729.2323847	-1.2831	0.413192	-3.10533	0.001901
ENSG00000164134.13	733.3987732	-0.68067	0.343725	-1.98027	0.047673
ENSG00000099968.18	735.7136718	-0.89627	0.394546	-2.27164	0.023108
ENSG00000114796.16	747.4303208	-1.06585	0.387256	-2.75233	0.005917
ENSG00000148926.10	747.9928917	-0.99892	0.483762	-2.0649	0.038933
ENSG00000134107.5	751.7282503	-0.82086	0.388878	-2.11084	0.034786
ENSG00000164209.17	753.4202882	-0.83985	0.422301	-1.98876	0.046728
ENSG00000140443.15	753.5203591	-1.06715	0.335601	-3.17983	0.001474
ENSG00000172466.16	761.5583872	-0.8345	0.372548	-2.23998	0.025092
ENSG00000155508.13	761.7633996	-0.74943	0.336922	-2.22434	0.026125
ENSG00000166847.10	765.6589635	-0.64855	0.330321	-1.96339	0.049601
ENSG00000156298.13	773.7981227	-1.11439	0.496862	-2.24286	0.024906
ENSG00000152377.14	785.7148507	-1.0166	0.396709	-2.56259	0.010389
ENSG00000177426.22	788.900936	-1.029	0.364078	-2.82632	0.004709

ENSG00000182985.17	789.1343001	-1.21785	0.402496	-3.02575	0.00248
ENSG00000109184.15	789.6188521	-0.85533	0.338411	-2.52748	0.011488
ENSG00000184203.8	789.7029586	-0.80752	0.384254	-2.10152	0.035595
ENSG00000113658.18	794.3064166	-0.72467	0.343238	-2.11129	0.034748
ENSG00000106460.19	805.8961337	-0.96569	0.357548	-2.70088	0.006916
ENSG00000114857.18	812.179427	-0.7982	0.370236	-2.15591	0.03109
ENSG00000080815.19	813.1985627	-0.96948	0.362553	-2.67403	0.007495
ENSG00000076053.11	815.701504	-0.92388	0.398196	-2.32016	0.020332
ENSG00000114520.11	820.4483875	-0.74766	0.345593	-2.16342	0.030509
ENSG00000136960.13	822.0247833	-1.04673	0.433745	-2.41324	0.015811
ENSG00000116539.13	822.5248643	-0.74868	0.344958	-2.17036	0.02998
ENSG00000186577.14	835.5735103	-0.83241	0.409586	-2.03232	0.042121
ENSG00000014824.14	842.2673874	-1.04894	0.386715	-2.71245	0.006679
ENSG00000186469.8	843.3530212	-0.76763	0.376268	-2.04012	0.041338
ENSG00000185658.13	853.6059202	-0.79592	0.348212	-2.28572	0.02227
ENSG00000136709.12	858.9399857	-1.07556	0.378537	-2.84136	0.004492
ENSG00000117394.24	879.2146485	-0.84604	0.38762	-2.18264	0.029062
ENSG00000175387.16	880.3546353	-0.71927	0.33281	-2.16122	0.030679
ENSG00000152332.16	880.8595875	-0.84088	0.394643	-2.13073	0.033111
ENSG00000213626.13	882.347808	-0.79767	0.405639	-1.96645	0.049246
ENSG00000075292.19	885.3266684	-0.6639	0.335597	-1.97826	0.0479
ENSG00000176840.12	891.7527914	-1.15081	0.443906	-2.59246	0.009529
ENSG00000048392.12	894.553913	-0.70805	0.342276	-2.06866	0.038578
ENSG00000153561.13	906.981916	-0.97911	0.328838	-2.97747	0.002906
ENSG00000135778.12	910.2309251	-0.76535	0.341386	-2.24189	0.024968
ENSG00000110429.14	912.395674	-0.7465	0.379918	-1.9649	0.049425
ENSG00000138207.14	924.0942009	-1.50354	0.509617	-2.95033	0.003174
ENSG00000137831.15	924.7522641	-0.75633	0.385068	-1.96415	0.049513
ENSG00000134109.11	935.2683054	-0.81012	0.347056	-2.33426	0.019582
ENSG00000120756.13	954.6450259	-1.09524	0.419233	-2.61249	0.008988
ENSG00000189067.13	961.9959336	-0.71708	0.353644	-2.02768	0.042593
ENSG00000135069.14	965.7541243	-0.88805	0.402926	-2.20401	0.027524
ENSG00000144369.13	966.0407503	-1.10768	0.518775	-2.13519	0.032746
ENSG00000198399.14	969.2232233	-0.68485	0.325587	-2.10344	0.035427
ENSG00000106638.17	970.804324	-0.80102	0.34412	-2.32773	0.019926
ENSG00000169490.17	974.1584899	-0.75438	0.332309	-2.27012	0.0232
ENSG00000006652.15	976.1520691	-0.73858	0.353879	-2.08709	0.03688
ENSG00000150593.18	977.7667549	-0.92513	0.404179	-2.28891	0.022084
ENSG00000147533.17	983.1761242	-0.62628	0.318186	-1.96828	0.049036
ENSG00000101290.14	984.2329018	-0.97517	0.40881	-2.38539	0.017061
ENSG00000076685.19	993.1495236	-0.70253	0.326865	-2.1493	0.031611
ENSG00000177311.11	999.7748649	-0.8267	0.373906	-2.21099	0.027037
ENSG00000143324.14	1000.43532	-0.85718	0.411273	-2.08421	0.037141
ENSG00000136754.17	1001.419701	-0.74911	0.374182	-2.002	0.045285
ENSG00000163875.16	1001.734171	-0.90361	0.380735	-2.37332	0.017629
ENSG00000007372.23	1004.444505	-1.00066	0.412222	-2.42747	0.015205
ENSG00000139793.18	1009.67095	-0.92006	0.34273	-2.68452	0.007263
ENSG00000003147.19	1013.614384	-1.0381	0.364227	-2.85014	0.00437
ENSG00000137500.9	1031.877442	-0.72185	0.352662	-2.04686	0.040672
ENSG00000196233.14	1040.801121	-0.84308	0.323542	-2.60578	0.009167
ENSG00000011009.11	1041.951555	-0.86809	0.424391	-2.0455	0.040806
ENSG00000164305.19	1045.980406	-1.0232	0.391122	-2.61607	0.008895

ENSG00000197702.14	1054.479904	-0.67839	0.332061	-2.04296	0.041056
ENSG00000142166.13	1058.210775	-0.78136	0.396182	-1.97221	0.048585
ENSG00000122042.10	1065.395792	-0.81359	0.361259	-2.2521	0.024316
ENSG00000156030.13	1068.749213	-0.65647	0.323422	-2.02975	0.042382
ENSG00000178860.8	1078.623477	-0.76546	0.370376	-2.0667	0.038762
ENSG00000008282.8	1082.116849	-0.86404	0.377703	-2.28763	0.022159
ENSG00000177200.17	1084.933965	-0.83986	0.358621	-2.34192	0.019185
ENSG00000085365.18	1098.772553	-1.01472	0.399013	-2.54308	0.010988
ENSG00000085719.13	1098.870048	-0.79721	0.354479	-2.24897	0.024515
ENSG00000027697.15	1101.855847	-0.98294	0.404239	-2.43158	0.015033
ENSG00000125851.10	1108.443469	-0.88011	0.439996	-2.00026	0.045472
ENSG00000057252.13	1110.800735	-1.15095	0.414209	-2.77867	0.005458
ENSG00000139329.5	1117.491214	-1.0963	0.509857	-2.15022	0.031538
ENSG00000155975.10	1130.491482	-0.83945	0.393104	-2.13543	0.032726
ENSG00000166340.17	1132.542132	-0.69617	0.350203	-1.98789	0.046824
ENSG00000136997.20	1141.876604	-0.81743	0.369575	-2.21181	0.026979
ENSG00000013588.9	1163.789404	-0.97376	0.479879	-2.02918	0.04244
ENSG00000184254.17	1169.580262	-1.06142	0.373332	-2.8431	0.004468
ENSG00000102471.14	1187.710201	-0.74575	0.368667	-2.02284	0.04309
ENSG00000133026.13	1203.676351	-0.75449	0.384206	-1.96376	0.049558
ENSG00000158769.18	1228.427353	-0.91584	0.399319	-2.2935	0.021819
ENSG00000071282.12	1228.757772	-0.77906	0.381524	-2.04197	0.041155
ENSG00000081087.15	1229.975201	-0.76528	0.359901	-2.12636	0.033473
ENSG00000139146.14	1231.774127	-0.73148	0.321145	-2.27772	0.022743
ENSG00000112759.19	1240.781165	-0.80493	0.366051	-2.19895	0.027882
ENSG00000170248.15	1254.72698	-0.99341	0.42575	-2.33331	0.019632
ENSG00000120875.9	1260.487538	-0.73867	0.355319	-2.07889	0.037627
ENSG00000108176.15	1264.938755	-1.4272	0.478567	-2.98224	0.002861
ENSG00000164949.8	1274.684656	-1.18491	0.435224	-2.72252	0.006479
ENSG00000156875.14	1279.576913	-0.93546	0.426228	-2.19475	0.028182
ENSG00000166974.13	1286.385031	-1.00754	0.376117	-2.67879	0.007389
ENSG00000109854.13	1293.155513	-0.77001	0.359302	-2.14306	0.032108
ENSG00000260916.7	1298.096517	-0.76176	0.367662	-2.07189	0.038275
ENSG00000111371.16	1314.417154	-0.83691	0.32636	-2.56439	0.010336
ENSG00000078018.20	1315.832282	-0.80185	0.356994	-2.24612	0.024696
ENSG00000050130.18	1335.743169	-0.77741	0.396139	-1.96246	0.049709
ENSG00000197045.13	1339.738721	-0.91957	0.331055	-2.7777	0.005475
ENSG00000023318.8	1351.54736	-0.69652	0.339142	-2.05378	0.039997
ENSG00000111711.10	1383.543531	-0.82748	0.331184	-2.49855	0.01247
ENSG00000184575.12	1406.485261	-1.01534	0.367117	-2.76571	0.00568
ENSG00000158201.10	1437.431848	-0.90988	0.407404	-2.23336	0.025525
ENSG00000184205.14	1456.908086	-0.74942	0.318608	-2.35216	0.018665
ENSG00000085117.12	1462.039517	-0.75238	0.371943	-2.02283	0.04309
ENSG00000145423.5	1463.355486	-0.76964	0.376039	-2.04669	0.040688
ENSG00000107679.14	1475.753772	-1.18633	0.373862	-3.17317	0.001508
ENSG00000106537.8	1491.640934	-0.85137	0.375136	-2.2695	0.023238
ENSG00000165507.9	1495.137854	-1.40521	0.430606	-3.26333	0.001101
ENSG00000114439.19	1511.897065	-0.69252	0.3148	-2.19988	0.027815
ENSG00000182149.21	1517.069078	-0.70493	0.337068	-2.09137	0.036495
ENSG00000285976.2	1521.899761	-0.82532	0.376604	-2.19149	0.028417
ENSG00000138600.10	1565.357822	-0.68351	0.327372	-2.08786	0.03681
ENSG00000204386.11	1616.180428	-0.72572	0.346705	-2.09319	0.036333

ENSG00000131238.18	1648.608926	-0.85002	0.394134	-2.15668	0.03103
ENSG00000205302.7	1657.803217	-0.70572	0.346508	-2.03668	0.041682
ENSG00000113083.14	1677.818593	-0.99509	0.380401	-2.6159	0.008899
ENSG00000117335.20	1687.429626	-1.08444	0.430992	-2.51615	0.011864
ENSG00000155304.6	1690.145209	-0.73916	0.354281	-2.08637	0.036945
ENSG00000104763.20	1693.692165	-0.83926	0.368555	-2.27717	0.022776
ENSG00000099194.6	1725.36627	-0.91281	0.459928	-1.98469	0.047179
ENSG00000113328.19	1731.087892	-0.81115	0.360553	-2.24973	0.024466
ENSG00000175582.20	1763.759539	-0.86445	0.357042	-2.42116	0.015471
ENSG00000139921.13	1791.508393	-0.89956	0.430933	-2.08748	0.036845
ENSG00000100852.13	1793.930354	-0.73626	0.337778	-2.17971	0.029279
ENSG00000013375.16	1810.739934	-0.67195	0.325133	-2.06669	0.038763
ENSG00000198843.13	1811.729249	-0.77374	0.377176	-2.05141	0.040227
ENSG00000104112.9	1833.069445	-1.1027	0.459409	-2.40026	0.016383
ENSG00000177565.18	1879.541455	-0.8656	0.415129	-2.08514	0.037057
ENSG00000163683.12	1928.548452	-0.90885	0.342923	-2.65031	0.008042
ENSG00000146072.6	1955.798818	-0.85667	0.394831	-2.16971	0.030029
ENSG00000117143.13	1969.83062	-0.94039	0.366914	-2.56297	0.010378
ENSG00000086619.14	1998.148525	-1.41505	0.416733	-3.39557	0.000685
ENSG00000056097.16	2037.219833	-0.79999	0.377765	-2.11769	0.034201
ENSG00000132824.14	2040.145209	-0.73494	0.349896	-2.10045	0.035689
ENSG00000269926.1	2057.585761	-0.98838	0.35038	-2.82088	0.004789
ENSG00000077232.18	2086.378837	-0.95217	0.369573	-2.57639	0.009984
ENSG00000158985.13	2154.586445	-0.81515	0.367558	-2.21776	0.026571
ENSG00000248223.1	2164.519372	-1.0015	0.407481	-2.45778	0.01398
ENSG00000169116.11	2180.193073	-0.90228	0.444427	-2.03022	0.042334
ENSG00000122861.16	2232.168701	-0.90291	0.38919	-2.31997	0.020343
ENSG00000005893.16	2285.70823	-0.92216	0.397393	-2.32052	0.020313
ENSG00000186340.15	2373.542041	-0.71535	0.322617	-2.21732	0.026601
ENSG00000169903.7	2394.907399	-1.28702	0.448705	-2.86829	0.004127
ENSG00000214548.18	2431.600925	-0.79528	0.384503	-2.06834	0.038608
ENSG00000136842.14	2443.779823	-1.08733	0.404326	-2.68925	0.007161
ENSG00000113575.10	2503.536638	-1.03084	0.454167	-2.26974	0.023224
ENSG00000171928.14	2519.524222	-0.86	0.342375	-2.51185	0.01201
ENSG00000181722.17	2529.917806	-0.71978	0.331092	-2.17397	0.029707
ENSG00000101255.11	2597.983292	-0.90862	0.37136	-2.44674	0.014416
ENSG00000183283.16	2656.423228	-0.69027	0.347331	-1.98736	0.046883
ENSG00000198898.14	2744.36907	-0.92209	0.414855	-2.22269	0.026237
ENSG00000112245.12	2977.549922	-1.03882	0.388877	-2.67134	0.007555
ENSG00000115963.13	2978.592909	-0.74462	0.325932	-2.2846	0.022336
ENSG00000111897.7	2992.762601	-0.75115	0.356693	-2.10587	0.035216
ENSG00000128590.5	2992.816784	-0.70681	0.337134	-2.09652	0.036036
ENSG00000084733.11	3134.723952	-0.61695	0.314296	-1.96296	0.049651
ENSG00000140105.18	3198.963626	-0.7621	0.32016	-2.38037	0.017295
ENSG00000163814.8	3223.21231	-0.73494	0.350092	-2.09927	0.035793
ENSG00000151914.20	3276.025977	-0.664	0.310123	-2.14109	0.032267
ENSG00000116285.13	3498.49564	-0.75929	0.342993	-2.21371	0.026849
ENSG00000133872.14	3588.663098	-0.69885	0.346097	-2.01923	0.043463
ENSG00000182670.13	3654.367862	-0.74697	0.355014	-2.10405	0.035374
ENSG00000159200.18	3714.393338	-1.29319	0.408733	-3.16391	0.001557
ENSG00000137575.12	3767.754308	-0.91503	0.364841	-2.50802	0.012141
ENSG00000166922.8	3899.967773	-0.83994	0.405934	-2.06914	0.038533

ENSG00000076554.15	3926.544484	-0.93673	0.383214	-2.44441	0.014509
ENSG00000070081.17	3996.493275	-0.75319	0.360273	-2.0906	0.036564
ENSG00000138449.11	4169.955183	-1.32216	0.445437	-2.96823	0.002995
ENSG00000113369.9	4177.777138	-0.71274	0.315626	-2.25817	0.023935
ENSG00000177606.7	4216.485512	-0.98671	0.498473	-1.97947	0.047764
ENSG00000010404.18	4296.734023	-0.90308	0.372371	-2.42521	0.0153
ENSG00000112697.17	4647.586629	-0.76282	0.38128	-2.00068	0.045427
ENSG00000004799.8	4730.220626	-1.64319	0.486383	-3.37839	0.000729
ENSG00000023445.16	5072.430777	-0.70069	0.33075	-2.11847	0.034135
ENSG00000067167.8	5242.352157	-0.88169	0.37546	-2.3483	0.018859
ENSG00000116209.12	5262.785787	-0.67808	0.342692	-1.9787	0.04785
ENSG00000104635.14	5408.259119	-0.97522	0.335836	-2.90387	0.003686
ENSG00000168209.5	5465.252949	-1.07086	0.343238	-3.11988	0.001809
ENSG00000115828.17	5519.142951	-1.08748	0.41554	-2.61703	0.00887
ENSG00000067082.15	5580.927168	-1.00611	0.362763	-2.77347	0.005546
ENSG00000105835.12	5767.484393	-1.07187	0.343342	-3.12187	0.001797
ENSG00000163430.12	6338.899767	-0.73606	0.370988	-1.98406	0.047249
ENSG00000185650.10	6879.409924	-0.94796	0.389614	-2.43308	0.014971
ENSG00000131711.15	7881.359574	-0.97953	0.399654	-2.45095	0.014248
ENSG00000163734.4	7943.055517	-0.64761	0.314534	-2.05897	0.039497
ENSG00000130066.16	8221.273496	-0.92311	0.349121	-2.6441	0.008191
ENSG00000204592.9	8321.914794	-0.68226	0.341716	-1.99656	0.045873
ENSG00000118785.14	8386.768386	-0.73099	0.325935	-2.24274	0.024914
ENSG00000051108.15	9186.685136	-0.73787	0.309226	-2.38617	0.017025
ENSG00000127022.15	9193.962626	-0.70109	0.341228	-2.0546	0.039917
ENSG00000113140.11	10655.38684	-0.80748	0.374772	-2.15459	0.031194
ENSG00000164733.21	10902.31275	-0.78296	0.38576	-2.02966	0.042391
ENSG00000124762.14	12630.17067	-0.83013	0.329442	-2.51979	0.011742
ENSG00000118271.12	13434.07959	-0.97795	0.458728	-2.13188	0.033017
ENSG00000254647.7	14191.14584	-1.09084	0.434053	-2.51315	0.011966
ENSG00000167004.13	14796.79394	-0.72196	0.330797	-2.18249	0.029073
ENSG00000089199.10	18895.86305	-0.7716	0.376217	-2.05093	0.040273
ENSG00000106366.9	19703.49835	-0.77698	0.364494	-2.13168	0.033033
ENSG00000161011.20	20250.18605	-0.85904	0.390706	-2.19869	0.0279
ENSG00000167996.16	120293.103	-0.92134	0.426358	-2.16096	0.030698
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with pAd-MIR125B versus control

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Supplemental Table 7. Differential Gene expression (Fold change) in human islets infected with pAd-MIR125I

Gene.stable.ID.version	baseMean	log2FoldCh	lfcSE	stat	pvalue
ENSG00000273520.5	10.00097945	-1.63716	1.396921	-1.17198	0.241206
ENSG00000185736.16	10.00143923	1.794198	1.219135	1.471698	0.141103
ENSG00000002726.21	10.00914936	-0.45165	1.229846	-0.36724	0.713438
ENSG00000287978.1	10.0148128	0.367233	1.217563	0.301613	0.762947
ENSG00000287679.1	10.0184734	1.148445	1.322767	0.868214	0.385277
ENSG00000230805.8	10.01895717	-0.49189	1.215402	-0.40471	0.68569
ENSG00000281195.1	10.02002882	-0.76935	1.185514	-0.64896	0.516366
ENSG00000283757.1	10.02023035	0.052704	1.19446	0.044124	0.964806
ENSG00000263798.2	10.0217469	0.081307	3.850221	0.021117	0.983152
ENSG00000237883.2	10.02424756	-1.07715	1.190802	-0.90456	0.365699
ENSG00000145217.14	10.03058669	0.374896	1.405017	0.266827	0.789603
ENSG00000238133.6	10.0325429	0.956457	1.215374	0.786966	0.431302
ENSG00000221836.3	10.03479941	1.438706	1.411921	1.018971	0.308217
ENSG00000268555.2	10.0424644	-0.48804	1.212355	-0.40256	0.687275
ENSG00000232827.3	10.04423055	4.57314	1.595859	2.865628	0.004162
ENSG00000275964.1	10.04609364	-0.5823	1.268179	-0.45916	0.646118
ENSG00000272808.4	10.04890074	0.600382	1.387988	0.432556	0.665337
ENSG00000157330.10	10.05074135	1.583349	1.353831	1.169533	0.242189
ENSG00000197980.13	10.05139002	0.327441	1.261109	0.259645	0.795137
ENSG00000273108.1	10.05592808	0.417593	1.242993	0.335957	0.736903
ENSG00000255052.5	10.05868562	0.628667	1.235873	0.508683	0.610975
ENSG00000100583.4	10.06295817	0.254902	1.212663	0.2102	0.833512
ENSG00000264204.2	10.07052837	0.981916	1.42875	0.687255	0.491922
ENSG00000172771.12	10.07637336	0.446434	1.358538	0.328614	0.742448
ENSG00000285330.1	10.07681708	-5.87655	3.917825	-1.49995	0.133627
ENSG00000123870.10	10.0812144	-0.55533	1.369675	-0.40544	0.685151
ENSG00000165762.3	10.0839946	1.446807	1.653635	0.874926	0.381614
ENSG00000143127.13	10.08415132	0.811743	1.253661	0.647498	0.51731
ENSG00000258813.2	10.08766996	0.274903	1.1655	0.235867	0.813536
ENSG00000146938.16	10.08896076	0.353213	1.193343	0.295986	0.767241
ENSG00000272221.1	10.09462648	0.216417	1.177824	0.183743	0.854215
ENSG00000233296.2	10.10175111	0.925177	1.172807	0.788857	0.430195
ENSG00000168421.13	10.10436449	1.952405	1.406613	1.388019	0.165131
ENSG00000246339.6	10.11134311	0.863168	1.354412	0.637301	0.523929
ENSG00000278002.1	10.11579849	-0.08318	1.264863	-0.06576	0.947565
ENSG00000266933.2	10.11706586	-0.36715	1.223901	-0.29998	0.764191
ENSG00000229334.1	10.12012102	0.60568	1.173527	0.51612	0.605771
ENSG00000108231.14	10.12211876	3.084614	1.455353	2.119496	0.034049
ENSG00000259169.1	10.12428305	-5.59455	3.920843	-1.42688	0.153616
ENSG00000143869.7	10.12544253	2.450874	1.374802	1.782711	0.074633
ENSG00000224903.2	10.12560023	-0.83749	1.198889	-0.69856	0.484828
ENSG00000256463.8	10.12901147	6.311084	1.766639	3.572367	0.000354
ENSG00000138100.14	10.1297207	1.930782	1.384934	1.394134	0.163277
ENSG00000278936.1	10.13156195	0.545347	1.379428	0.395343	0.69259
ENSG00000278156.2	10.13437889	0.518428	1.196536	0.433274	0.664816
ENSG00000119686.10	10.13536127	0.687493	1.211538	0.567454	0.570406
ENSG00000267757.4	10.13670166	0.567091	1.187222	0.477662	0.632891
ENSG00000253553.7	10.14145297	0.016154	1.386136	0.011654	0.990701
ENSG00000180592.17	10.149134	2.124056	1.222839	1.736988	0.082389
ENSG00000166573.6	10.14968241	1.42052	1.461803	0.971759	0.331171

ENSG00000231104.8	10.15292592	0.747375	1.180647	0.633021	0.52672
ENSG00000226913.2	10.15775347	-0.26226	1.198951	-0.21874	0.826852
ENSG00000218283.2	10.16335516	-1.73956	1.249896	-1.39176	0.163994
ENSG00000172139.15	10.16377632	-1.1163	1.252518	-0.89125	0.372798
ENSG00000285684.1	10.16572828	0.396085	1.399276	0.283064	0.777128
ENSG00000251322.9	10.16803196	1.997575	1.319213	1.514216	0.129971
ENSG00000245384.2	10.16906387	0.709023	1.311086	0.540791	0.588652
ENSG00000237927.1	10.16937006	-0.26953	1.24398	-0.21667	0.828467
ENSG00000236334.2	10.17198085	3.080208	1.422016	2.166085	0.030305
ENSG00000142235.11	10.17246889	0.129765	1.317638	0.098483	0.921549
ENSG00000204936.10	10.17325378	-1.16799	1.338273	-0.87276	0.382796
ENSG00000196366.3	10.17542998	1.926308	1.246068	1.545909	0.122126
ENSG00000275601.1	10.17960469	-0.69809	1.208904	-0.57745	0.563633
ENSG00000130649.10	10.1828393	-1.11852	1.259498	-0.88806	0.374506
ENSG00000245330.4	10.18634161	-0.2816	1.16649	-0.24141	0.809239
ENSG00000259345.7	10.18659542	2.792639	1.388943	2.010622	0.044365
ENSG00000165837.12	10.18922432	-1.16366	1.324913	-0.87829	0.379785
ENSG00000148948.8	10.19456201	0.322992	1.206237	0.267768	0.788878
ENSG00000261067.7	10.20365765	1.347511	1.202246	1.120828	0.262361
ENSG00000286943.1	10.20912062	0.409476	1.340415	0.305485	0.759997
ENSG00000287544.1	10.21028787	0.760001	1.543849	0.492277	0.622524
ENSG00000149403.13	10.21357693	2.837021	1.608584	1.763676	0.077787
ENSG00000260774.1	10.21509069	0.754087	1.168145	0.645542	0.518576
ENSG00000163462.18	10.21669415	1.281209	1.211828	1.057254	0.290396
ENSG00000237807.4	10.22180161	2.575457	1.335871	1.927924	0.053865
ENSG00000237372.4	10.2234051	1.136622	1.273494	0.892523	0.372113
ENSG00000248898.3	10.22686436	0.77077	1.216923	0.633376	0.526488
ENSG00000161082.13	10.22689833	1.633046	1.367734	1.193979	0.232486
ENSG00000261713.6	10.22958171	0.674607	1.192191	0.565855	0.571492
ENSG00000184185.10	10.22958504	1.646804	1.401901	1.174693	0.240117
ENSG00000248477.6	10.23613104	0.650171	1.157124	0.561885	0.574194
ENSG00000275097.1	10.23889537	1.287432	1.299373	0.990811	0.321778
ENSG00000269680.1	10.24002381	-0.17362	1.194731	-0.14532	0.88446
ENSG00000228876.4	10.24024357	4.108859	1.55261	2.646421	0.008135
ENSG00000144821.10	10.24249298	-2.30588	1.338944	-1.72216	0.08504
ENSG00000181585.7	10.24291082	0.38236	1.193409	0.320393	0.74867
ENSG00000250510.8	10.25040762	1.16416	1.39074	0.837079	0.402548
ENSG00000196361.10	10.25180314	2.945286	1.445394	2.037704	0.04158
ENSG00000273320.1	10.2607062	0.627281	1.175259	0.533738	0.593523
ENSG00000250982.2	10.26589447	0.450414	1.272208	0.354041	0.723308
ENSG00000257900.2	10.26591963	0.185271	3.895685	0.047558	0.962068
ENSG00000173262.11	10.26600021	3.864861	1.81287	2.131902	0.033015
ENSG00000234498.3	10.26906218	1.602757	1.354272	1.183483	0.236618
ENSG00000273391.1	10.27000974	-0.06748	1.22748	-0.05498	0.956157
ENSG00000143196.5	10.27164505	0.059745	1.182341	0.050531	0.959699
ENSG00000276710.4	10.27239626	0.433891	1.184128	0.366423	0.71405
ENSG00000275494.1	10.27546535	-0.63894	1.174906	-0.54382	0.586565
ENSG00000283122.1	10.28028968	0.678394	1.195147	0.567624	0.57029
ENSG00000279520.1	10.28286301	-0.17122	1.170991	-0.14621	0.883752
ENSG00000261202.1	10.28525696	0.140872	1.220775	0.115395	0.908132
ENSG00000167780.12	10.28554556	-1.47649	1.331713	-1.10872	0.267553
ENSG00000184524.6	10.28599788	0.636675	1.273518	0.499934	0.617121

ENSG00000196456.13	10.28823021	1.097182	1.199444	0.914742	0.360327
ENSG00000251191.8	10.29665251	-0.70199	1.469396	-0.47774	0.632836
ENSG00000269959.1	10.29859272	0.684061	1.164914	0.58722	0.557056
ENSG00000236709.1	10.30038885	-0.0803	1.232367	-0.06516	0.948049
ENSG00000286588.1	10.30455316	0.17103	1.213414	0.140949	0.88791
ENSG00000136944.19	10.3048603	-0.28654	1.390828	-0.20602	0.836772
ENSG00000204889.10	10.31632	-0.60898	1.324931	-0.45963	0.645779
ENSG00000113262.16	10.319603	0.839173	1.435267	0.584681	0.558762
ENSG00000163710.9	10.32316271	0.167049	1.17077	0.142683	0.886541
ENSG00000104888.10	10.32611899	0.245507	1.299067	0.188987	0.850103
ENSG00000214787.10	10.32659911	0.688778	1.259431	0.546896	0.58445
ENSG00000236021.2	10.33619565	-1.36378	1.385444	-0.98436	0.324938
ENSG00000235530.7	10.33955424	1.396984	1.205505	1.158837	0.246523
ENSG00000128346.11	10.3427879	-0.26522	1.166835	-0.2273	0.820194
ENSG00000236155.6	10.34426996	1.323344	1.200436	1.102386	0.270294
ENSG00000230453.9	10.34873229	3.727771	1.548554	2.40726	0.016073
ENSG00000224769.1	10.34887371	-0.30922	1.162068	-0.26609	0.790167
ENSG00000257000.1	10.35024447	0.593473	1.163141	0.510233	0.609888
ENSG00000287817.1	10.35452998	0.157749	1.209199	0.130458	0.896204
ENSG00000204695.4	10.35772408	1.180473	1.345759	0.87718	0.380389
ENSG00000233954.6	10.35864825	0.729025	1.239798	0.58802	0.556519
ENSG00000272146.6	10.36434523	0.362378	1.228982	0.29486	0.768101
ENSG00000124507.11	10.37634531	-0.08835	1.185089	-0.07456	0.940569
ENSG00000226711.7	10.37893981	-0.09243	1.177666	-0.07849	0.93744
ENSG00000235527.7	10.38378324	-0.76073	1.217942	-0.6246	0.532232
ENSG00000145244.12	10.38528223	1.216673	1.226928	0.991642	0.321372
ENSG00000156414.19	10.38887335	0.840094	1.22316	0.686823	0.492195
ENSG00000232564.3	10.39824749	0.324475	1.181377	0.274658	0.783579
ENSG00000235613.2	10.40408116	1.14065	1.180062	0.966601	0.333743
ENSG00000134817.11	10.40661803	1.702884	1.400976	1.215498	0.224176
ENSG00000275708.1	10.40990615	2.361426	1.669087	1.414801	0.157127
ENSG00000152954.12	10.41374196	2.596894	1.232129	2.107647	0.035062
ENSG00000285329.1	10.41482956	0.114676	1.184592	0.096806	0.92288
ENSG00000153993.13	10.41550132	0.450808	1.287501	0.350142	0.726232
ENSG00000204950.4	10.41616536	1.586819	1.201216	1.32101	0.186498
ENSG00000244693.1	10.41896698	-2.72066	1.591569	-1.70942	0.087374
ENSG00000149043.16	10.42330911	2.716182	1.500316	1.810407	0.070233
ENSG00000229676.3	10.42392837	0.103798	1.177728	0.088134	0.92977
ENSG00000236502.1	10.43380662	0.738417	1.30772	0.56466	0.572305
ENSG00000206159.11	10.43447947	0.279516	1.287056	0.217175	0.828072
ENSG00000246922.8	10.43600494	0.554692	1.170333	0.473961	0.635528
ENSG00000148965.10	10.43839874	-0.81849	1.245324	-0.65725	0.511021
ENSG00000179776.19	10.43956251	1.560847	1.23258	1.266325	0.205397
ENSG00000280129.1	10.44049031	1.133207	1.158223	0.978402	0.327876
ENSG00000197363.9	10.44072274	0.543099	1.17195	0.463415	0.643067
ENSG00000262094.1	10.4496577	-0.82213	1.411775	-0.58234	0.560337
ENSG00000237949.2	10.45558792	3.27124	1.458177	2.243377	0.024873
ENSG00000162490.7	10.45565509	0.787384	1.37942	0.570808	0.56813
ENSG00000280193.1	10.46001815	0.654531	1.204558	0.543378	0.586869
ENSG00000203618.6	10.46444842	-0.2604	1.703137	-0.15289	0.878483
ENSG00000266283.1	10.47165872	0.084085	1.159711	0.072505	0.9422
ENSG00000285051.2	10.47175495	0.559377	1.36272	0.410486	0.68145

ENSG00000224738.1	10.47203424	0.223365	1.178878	0.189472	0.849723
ENSG00000249310.2	10.47238611	-0.41362	1.184535	-0.34919	0.726948
ENSG00000267152.1	10.47253419	0.65241	1.146581	0.569005	0.569353
ENSG00000259520.6	10.47321658	-0.22418	1.379955	-0.16246	0.870945
ENSG00000269570.2	10.48972807	0.863484	1.28967	0.669538	0.503152
ENSG00000164920.9	10.49072639	0.877874	1.363037	0.644058	0.519538
ENSG00000176798.2	10.49096944	3.98094	1.728117	2.303629	0.021243
ENSG00000259954.1	10.49474677	2.045073	1.373774	1.488653	0.136579
ENSG00000253457.3	10.49546394	-0.58164	1.297274	-0.44836	0.653896
ENSG00000232043.1	10.49860192	0.229562	1.154194	0.198894	0.842346
ENSG00000230825.2	10.50075107	-0.62827	1.148486	-0.54704	0.584349
ENSG00000251637.6	10.50078432	0.159135	1.45464	0.109398	0.912887
ENSG00000179071.5	10.50177373	0.889269	1.234504	0.720345	0.471313
ENSG00000224046.2	10.50333129	-0.26101	1.264309	-0.20644	0.836446
ENSG00000205056.8	10.50340107	3.998208	1.619372	2.468987	0.01355
ENSG00000284294.1	10.50770076	5.511593	3.909814	1.409682	0.158634
ENSG00000271605.6	10.51383089	0.236376	1.212587	0.194936	0.845443
ENSG00000197177.15	10.51434414	0.868158	1.192607	0.72795	0.466644
ENSG00000277067.4	10.51586455	0.035753	1.73415	0.020617	0.983551
ENSG00000225361.4	10.51598129	0.419514	1.189814	0.352588	0.724397
ENSG00000218596.2	10.51647607	-0.44649	1.235408	-0.36141	0.717792
ENSG00000158517.15	10.51938621	-0.42248	1.352566	-0.31235	0.754771
ENSG00000169427.8	10.53541752	1.630339	1.226535	1.329224	0.183774
ENSG00000268750.7	10.53935339	-2.44538	1.328725	-1.84039	0.065711
ENSG00000205639.12	10.54348987	0.01816	1.205103	0.015069	0.987977
ENSG00000260798.1	10.54770903	-0.82852	1.188592	-0.69706	0.485766
ENSG00000239218.2	10.54910659	0.669154	1.193352	0.560734	0.574979
ENSG00000253227.2	10.54957927	-0.35595	1.333818	-0.26687	0.789571
ENSG00000213073.4	10.55136271	-0.31623	1.180909	-0.26778	0.788868
ENSG00000142621.19	10.55777008	1.190753	1.23699	0.962621	0.335738
ENSG00000226620.8	10.55894961	1.240491	1.493055	0.830841	0.406064
ENSG00000186431.19	10.56026359	-0.16348	1.622612	-0.10075	0.919747
ENSG00000234807.7	10.5674681	1.10198	1.155715	0.953505	0.340334
ENSG00000273466.1	10.56962794	-0.04704	1.189339	-0.03955	0.968453
ENSG00000280069.1	10.57142232	1.102056	1.240924	0.888093	0.374491
ENSG00000251393.4	10.58304013	0.085702	1.272519	0.067349	0.946304
ENSG00000177133.11	10.58512748	0.75223	1.260306	0.596863	0.550599
ENSG00000128815.19	10.58615245	1.834749	1.695393	1.082197	0.279165
ENSG00000139985.7	10.58914534	-0.046	1.16298	-0.03956	0.968448
ENSG00000232586.1	10.59518619	-0.45787	1.177595	-0.38882	0.697411
ENSG00000269983.1	10.59680789	0.821294	1.290703	0.636315	0.524571
ENSG00000162669.16	10.59881043	-0.10497	1.220755	-0.08599	0.931477
ENSG00000276832.2	10.60064299	1.625124	1.23325	1.317757	0.187585
ENSG00000214401.4	10.60239033	0.632653	1.209337	0.52314	0.600877
ENSG00000259456.4	10.60550473	-0.83242	1.247654	-0.66719	0.504653
ENSG00000236423.6	10.60921039	0.769841	1.2591	0.611422	0.54092
ENSG00000225224.1	10.60950342	-0.08067	1.184176	-0.06812	0.945688
ENSG00000106327.13	10.61139067	-0.21471	1.177604	-0.18233	0.855322
ENSG00000276449.1	10.61619435	0.163206	1.146844	0.142309	0.886836
ENSG00000228623.6	10.62105462	-0.16464	1.167595	-0.14101	0.887863
ENSG00000285244.1	10.62125266	-0.49355	1.341187	-0.368	0.712875
ENSG00000237352.4	10.62423399	0.583997	1.337125	0.436756	0.662288

ENSG00000137875.4	10.6250968	-0.44253	1.159234	-0.38174	0.702655
ENSG00000267260.2	10.62686231	1.344371	1.152374	1.16661	0.243368
ENSG00000181378.14	10.63681434	1.923619	1.290248	1.490891	0.13599
ENSG00000278867.1	10.64199938	-0.08678	1.245821	-0.06966	0.944467
ENSG00000174059.17	10.64245875	1.088454	1.170986	0.929519	0.35262
ENSG00000171462.15	10.64306213	0.093689	1.173711	0.079823	0.936378
ENSG00000242288.9	10.64372129	-0.95165	3.953302	-0.24072	0.809771
ENSG00000157927.17	10.64481974	1.360191	1.500569	0.90645	0.364698
ENSG00000186818.12	10.65392782	2.051731	1.48344	1.38309	0.166637
ENSG00000089169.15	10.65793106	0.902676	1.407153	0.641491	0.521204
ENSG00000259738.1	10.65888848	0.310384	1.13837	0.272656	0.785117
ENSG00000269896.2	10.66982738	-0.17572	1.253404	-0.14019	0.888508
ENSG00000205740.2	10.67370632	0.807134	1.242467	0.649622	0.515937
ENSG00000226816.3	10.67603742	0.737028	1.289817	0.571421	0.567715
ENSG00000280356.1	10.68134273	4.893499	1.668749	2.932435	0.003363
ENSG00000183458.14	10.68213036	0.805061	1.519902	0.529679	0.596334
ENSG00000229214.2	10.682145	0.321645	1.142056	0.281637	0.778222
ENSG00000286485.1	10.69161267	-0.1004	1.135718	-0.0884	0.929557
ENSG00000260604.2	10.69633747	1.740331	1.180257	1.474536	0.140337
ENSG00000240405.7	10.69773704	3.239945	1.466199	2.209758	0.027122
ENSG00000138615.6	10.70003682	-0.60018	1.22075	-0.49165	0.622967
ENSG00000142544.7	10.7012816	1.379298	1.275391	1.08147	0.279488
ENSG00000255153.1	10.70263217	0.805853	1.204595	0.668983	0.503506
ENSG00000256663.1	10.70304592	1.189083	1.356002	0.876904	0.380539
ENSG00000254221.2	10.714198	0.675243	1.272544	0.530624	0.595679
ENSG00000250899.3	10.71546756	0.35459	1.137723	0.311667	0.755294
ENSG00000269559.2	10.72384395	0.765754	1.152383	0.664496	0.506373
ENSG00000261490.1	10.72403103	0.007856	1.151116	0.006825	0.994555
ENSG00000255046.1	10.72572236	0.078838	1.342086	0.058743	0.953157
ENSG00000173269.14	10.73021415	1.786593	1.43747	1.242874	0.213914
ENSG00000268416.1	10.73033831	2.388161	1.448516	1.648694	0.09921
ENSG00000262712.1	10.73133559	1.00612	1.181666	0.851442	0.394524
ENSG00000161914.10	10.73199143	1.776198	1.263915	1.405315	0.159928
ENSG00000255624.3	10.73534656	-0.36467	1.145879	-0.31825	0.750296
ENSG00000037280.16	10.73599357	0.612149	1.423403	0.43006	0.667152
ENSG00000273007.2	10.7364696	-0.71269	1.205797	-0.59105	0.554486
ENSG00000248980.1	10.73734036	0.188109	1.197402	0.157098	0.875168
ENSG00000121797.10	10.74374799	-0.09143	1.137735	-0.08036	0.935947
ENSG00000169026.13	10.7463449	1.395681	1.158852	1.204365	0.228448
ENSG00000279628.1	10.74685012	2.034863	1.544542	1.317455	0.187686
ENSG00000264666.1	10.7470557	-0.51299	1.172153	-0.43764	0.661644
ENSG00000278616.1	10.74862543	-0.26444	1.215436	-0.21757	0.827765
ENSG00000225511.7	10.75286565	-0.26956	1.159603	-0.23246	0.81618
ENSG00000178809.11	10.75721415	0.994901	1.189542	0.836373	0.402945
ENSG00000256671.6	10.75793077	0.12065	1.343508	0.089803	0.928444
ENSG00000261465.7	10.75883826	1.013068	1.23487	0.820385	0.411997
ENSG00000255585.3	10.76134082	1.106371	1.231529	0.898371	0.368988
ENSG00000283809.1	10.76162606	-4.11055	1.585786	-2.59212	0.009539
ENSG00000285108.1	10.76211328	2.803897	1.341642	2.089899	0.036627
ENSG00000278000.1	10.76537331	3.908063	1.518422	2.573766	0.01006
ENSG00000215374.6	10.76640725	0.105688	1.128208	0.093678	0.925365
ENSG00000284634.1	10.77183637	-1.72879	1.381783	-1.25113	0.210887

ENSG00000198400.12	10.77645055	-0.41042	1.234677	-0.33241	0.739579
ENSG00000260281.6	10.77780156	-0.84681	1.163615	-0.72774	0.466772
ENSG00000272004.1	10.78546363	0.254195	1.135697	0.223823	0.822895
ENSG00000147234.10	10.78592241	-0.33017	1.177076	-0.2805	0.779094
ENSG00000171823.7	10.7864083	1.740075	1.182454	1.47158	0.141134
ENSG00000176222.9	10.78705966	-0.60161	1.167792	-0.51517	0.606436
ENSG00000103710.11	10.790436	1.672537	1.2732	1.313648	0.188965
ENSG00000197653.16	10.79380864	1.371031	1.218657	1.125034	0.260575
ENSG00000231304.2	10.79825272	0.476405	1.14201	0.417164	0.676559
ENSG00000286013.1	10.79864576	0.110613	1.183229	0.093484	0.925519
ENSG00000235121.1	10.8009466	0.165318	1.165883	0.141796	0.887241
ENSG00000230461.9	10.8063922	0.161463	1.386129	0.116485	0.907269
ENSG00000255201.1	10.80755691	-1.0378	1.3232	-0.78431	0.432857
ENSG00000279443.1	10.81186695	0.292025	1.175327	0.248462	0.803777
ENSG00000258991.1	10.81510242	2.273287	1.544065	1.472275	0.140947
ENSG00000276791.1	10.81799058	-0.47066	1.227325	-0.38348	0.701361
ENSG00000253741.2	10.81896063	1.375576	1.189151	1.156771	0.247366
ENSG00000285676.1	10.82035611	0.589285	1.170273	0.503545	0.614581
ENSG00000265168.1	10.8233521	0.782403	1.15631	0.676637	0.498636
ENSG00000246090.7	10.82430322	0.0969	1.163543	0.08328	0.933629
ENSG00000111886.11	10.82493091	1.018153	1.312317	0.775844	0.437841
ENSG00000231327.1	10.82556637	0.105591	1.151968	0.091661	0.926967
ENSG00000188338.15	10.83177439	-1.07767	1.267721	-0.85008	0.395279
ENSG00000277758.5	10.8345502	0.500037	1.441194	0.34696	0.728621
ENSG00000245888.7	10.83641151	0.215606	1.248248	0.172727	0.862866
ENSG00000121005.9	10.8413487	1.292612	1.263002	1.023444	0.306098
ENSG00000215912.12	10.84316496	1.478424	1.185168	1.247439	0.212237
ENSG00000165511.6	10.84322033	0.595696	1.15668	0.515005	0.606549
ENSG00000279838.1	10.84586139	-0.60747	1.134544	-0.53543	0.592354
ENSG00000283486.2	10.84618682	0.763898	1.178033	0.648453	0.516692
ENSG00000287306.1	10.84745916	1.134003	1.217893	0.931119	0.351792
ENSG00000260219.2	10.85012956	0.702869	1.133525	0.620074	0.535209
ENSG00000255062.1	10.85066309	-1.00057	1.175129	-0.85146	0.394516
ENSG00000267632.1	10.85187627	0.785744	1.165769	0.674014	0.500303
ENSG00000113555.6	10.852402	0.731927	1.268895	0.576823	0.564059
ENSG00000174640.15	10.85597302	0.775907	1.137244	0.68227	0.495068
ENSG00000166501.14	10.85843213	0.292135	1.450392	0.201418	0.840372
ENSG00000229719.5	10.86106514	1.214446	1.149798	1.056226	0.290865
ENSG00000214212.9	10.86417087	-1.03468	1.20203	-0.86078	0.38936
ENSG00000198838.14	10.86461856	0.043091	1.198201	0.035963	0.971312
ENSG00000183773.15	10.86506741	1.135911	1.168946	0.971739	0.33118
ENSG00000258701.1	10.87310915	1.03779	1.197196	0.86685	0.386024
ENSG00000267213.4	10.88834528	-0.55236	1.194103	-0.46257	0.643669
ENSG00000100060.18	10.89148634	-0.12068	1.152014	-0.10475	0.916572
ENSG00000130561.17	10.89183823	0.904316	1.679244	0.538526	0.590214
ENSG00000244968.7	10.9026921	0.0944	1.311362	0.071986	0.942613
ENSG00000165879.9	10.90440664	1.934749	1.179116	1.640847	0.100829
ENSG00000142609.18	10.90682425	2.551782	1.633431	1.562222	0.118236
ENSG00000286790.1	10.91121527	-0.29032	1.155634	-0.25122	0.801644
ENSG00000188167.9	10.91578206	0.017948	1.151263	0.015589	0.987562
ENSG00000226476.6	10.91623685	3.267146	1.42153	2.298331	0.021543
ENSG00000171815.6	10.92007206	1.865092	1.290312	1.445459	0.148329

ENSG00000183307.4	10.92332298	0.118939	1.208053	0.098455	0.921571
ENSG00000164406.8	10.93119969	0.089858	1.139341	0.078868	0.937137
ENSG00000260963.2	10.93289227	-0.123	1.233305	-0.09973	0.920556
ENSG00000247381.3	10.93575175	-0.00959	1.135663	-0.00845	0.993262
ENSG00000134242.16	10.93910691	1.256152	1.373247	0.914731	0.360333
ENSG00000164841.5	10.94004572	1.58244	1.239933	1.27623	0.201874
ENSG00000279865.1	10.94120837	0.380346	1.131944	0.336011	0.736862
ENSG00000138964.17	10.9415948	2.359138	1.337112	1.764354	0.077672
ENSG00000123338.13	10.9457275	0.796244	1.301827	0.611636	0.540779
ENSG00000178201.4	10.94681812	1.439686	1.158407	1.242815	0.213936
ENSG00000138741.11	10.95352613	1.502709	1.298105	1.157617	0.24702
ENSG00000174611.12	10.95482704	2.242011	1.438918	1.558123	0.119204
ENSG00000182890.5	10.95703361	-0.89363	1.364757	-0.65479	0.512602
ENSG00000260910.2	10.95724146	0.404451	1.263273	0.320161	0.748846
ENSG00000228767.1	10.96941442	1.429449	1.428884	1.000395	0.317119
ENSG00000228793.2	10.97107708	1.977824	1.350638	1.464363	0.143095
ENSG00000230882.1	10.97124069	1.827784	1.198494	1.525068	0.127242
ENSG00000256315.1	10.97560749	-0.14372	1.139863	-0.12609	0.899661
ENSG00000224376.1	10.97911488	-0.11386	1.207987	-0.09425	0.924908
ENSG00000177238.14	10.97976809	3.229096	1.460299	2.211257	0.027018
ENSG00000180447.7	10.98175458	0.61145	1.147544	0.532834	0.594149
ENSG00000278599.5	10.98459496	0.312519	3.953721	0.079044	0.936997
ENSG00000279344.1	10.98814157	0.015587	1.174712	0.013268	0.989414
ENSG00000286044.1	10.98885091	1.585996	1.226657	1.292942	0.196031
ENSG00000177076.6	10.99156095	-0.47899	1.203856	-0.39788	0.690717
ENSG00000223855.2	10.99198474	-0.11121	1.130747	-0.09835	0.921655
ENSG00000287435.1	10.99259028	0.644692	1.231493	0.523505	0.600623
ENSG00000173825.7	10.99321599	-0.44236	1.159878	-0.38138	0.702918
ENSG00000112137.18	10.9957371	0.629373	1.168295	0.538711	0.590086
ENSG00000020633.19	10.99755067	0.721224	1.187497	0.607348	0.54362
ENSG00000260339.1	10.9989764	0.155785	1.129005	0.137984	0.890253
ENSG00000179256.2	10.99914106	2.767246	1.412434	1.959204	0.050089
ENSG00000197816.16	11.00005086	-0.34943	1.244284	-0.28083	0.778843
ENSG00000261519.3	11.00647663	2.984442	1.39253	2.143179	0.032099
ENSG00000229056.2	11.01052817	-0.18641	1.160102	-0.16068	0.872342
ENSG00000288187.1	11.01444569	1.332224	1.220871	1.091208	0.275182
ENSG00000279518.1	11.01469508	0.32495	1.125436	0.288732	0.772786
ENSG00000182902.14	11.01492007	1.398506	1.314956	1.063539	0.287538
ENSG00000259647.1	11.01764874	-0.34526	1.254512	-0.27522	0.783148
ENSG00000264070.1	11.01866979	0.213554	1.128611	0.189218	0.849922
ENSG00000165309.14	11.02710772	3.941557	1.355908	2.906949	0.00365
ENSG00000280162.1	11.03282778	1.453985	1.255911	1.157713	0.246981
ENSG00000141293.16	11.03367218	0.320739	1.139497	0.281474	0.778347
ENSG00000286864.1	11.03635957	-0.60868	1.12638	-0.54038	0.588934
ENSG00000197915.7	11.04114052	1.16486	1.313873	0.886585	0.375302
ENSG00000131480.9	11.04658945	0.074949	1.134232	0.066079	0.947315
ENSG00000104808.8	11.05086534	-0.23301	1.161356	-0.20063	0.840985
ENSG00000165186.12	11.05356168	-0.30334	1.238369	-0.24495	0.806495
ENSG00000276248.1	11.05517954	1.473118	1.172599	1.256284	0.209013
ENSG00000188316.15	11.06018203	0.812078	1.161943	0.698896	0.484617
ENSG00000259664.3	11.06200786	1.662636	1.311125	1.268099	0.204762
ENSG00000115474.7	11.06239702	0.147931	1.199675	0.123309	0.901862

ENSG00000265194.1	11.06429511	-0.6008	1.160766	-0.51759	0.604745
ENSG00000267270.6	11.06451786	0.756883	1.133236	0.667896	0.5042
ENSG00000241962.9	11.06577429	-0.31267	1.143955	-0.27332	0.784604
ENSG00000286964.1	11.06806898	0.615674	1.160673	0.530445	0.595803
ENSG00000196453.8	11.07493701	0.86292	1.185583	0.727845	0.466709
ENSG00000272977.1	11.07746067	0.529239	1.255135	0.421659	0.673274
ENSG00000257732.1	11.0818682	0.656225	1.195949	0.548706	0.583207
ENSG00000258130.8	11.08213481	2.736802	1.255298	2.180202	0.029243
ENSG00000196660.11	11.08240986	1.789277	1.253355	1.427589	0.15341
ENSG00000162367.11	11.08635684	3.061683	1.318633	2.321861	0.02024
ENSG00000257921.6	11.08821618	-1.18259	1.376121	-0.85936	0.39014
ENSG00000162951.11	11.08914715	0.59935	1.257815	0.476501	0.633717
ENSG00000164379.7	11.09411017	1.317322	1.167804	1.128034	0.259306
ENSG00000179841.8	11.09474712	-0.07553	1.243127	-0.06076	0.95155
ENSG00000278385.1	11.09513818	0.017191	1.137556	0.015112	0.987942
ENSG00000224645.1	11.09516346	0.323188	1.114543	0.289974	0.771836
ENSG00000267107.8	11.09764203	2.016701	1.175527	1.715572	0.08624
ENSG00000184788.14	11.09789997	0.098934	1.125927	0.087869	0.929981
ENSG00000134376.16	11.10615241	0.883705	1.161778	0.760649	0.446867
ENSG00000226849.1	11.10642565	0.086048	1.173134	0.073349	0.941528
ENSG00000137877.10	11.10801183	0.897733	1.148902	0.781383	0.434577
ENSG00000270392.2	11.11166106	1.193348	1.206791	0.98886	0.322732
ENSG00000273906.1	11.1174528	-0.09468	1.209937	-0.07826	0.937624
ENSG00000066813.14	11.1208395	3.149947	1.624987	1.938445	0.052569
ENSG00000266053.2	11.12134233	-0.16411	1.198679	-0.13691	0.8911
ENSG00000261116.1	11.12727264	4.749593	1.571285	3.022744	0.002505
ENSG00000259826.1	11.1358447	1.071608	1.213668	0.882949	0.377264
ENSG00000238221.1	11.13603164	-0.10942	1.201858	-0.09104	0.92746
ENSG00000079435.10	11.137923	0.095453	1.248876	0.076431	0.939076
ENSG00000215182.8	11.14022997	4.392452	1.669138	2.631569	0.008499
ENSG00000121089.4	11.14395527	-0.61983	1.174172	-0.52788	0.597581
ENSG00000271553.1	11.15055226	-0.76529	1.134807	-0.67438	0.500071
ENSG00000254254.6	11.15591381	1.65515	1.475436	1.121804	0.261946
ENSG00000142748.13	11.15728332	0.352009	1.27322	0.276471	0.782186
ENSG00000225840.2	11.15971527	2.26749	1.474414	1.537892	0.124075
ENSG00000262112.1	11.16085386	-0.28882	1.141439	-0.25303	0.800247
ENSG00000066248.15	11.16470636	0.801813	1.240007	0.64662	0.517878
ENSG00000286627.1	11.16519074	0.17534	1.187865	0.147609	0.882651
ENSG00000251600.8	11.16837535	-0.50931	1.149638	-0.44302	0.657752
ENSG00000284977.2	11.17083171	0.224036	1.435269	0.156093	0.87596
ENSG00000286863.1	11.17328531	1.372539	1.188551	1.1548	0.248172
ENSG00000161328.11	11.18037777	0.708468	1.125361	0.629548	0.528991
ENSG00000272219.1	11.18184011	-0.01659	1.131595	-0.01466	0.988303
ENSG00000222036.8	11.18203924	4.874986	1.669782	2.919535	0.003506
ENSG00000189058.9	11.18335804	0.317144	1.140372	0.278105	0.780931
ENSG00000285825.2	11.18393141	1.436845	1.212581	1.184948	0.236038
ENSG00000235711.4	11.18625356	0.5131	1.170306	0.438432	0.661073
ENSG00000286679.1	11.19509489	1.066319	1.368985	0.778912	0.436031
ENSG00000283703.2	11.19718214	0.316047	1.176547	0.268623	0.78822
ENSG00000197935.6	11.19820377	1.345563	1.176808	1.143401	0.252872
ENSG00000174453.10	11.19924293	0.798411	1.279071	0.624212	0.532488
ENSG00000115257.15	11.20542425	1.0721	1.211147	0.885194	0.376052

ENSG00000267871.6	11.20571824	-0.02145	1.154751	-0.01858	0.985177
ENSG00000173421.17	11.20688663	1.510389	1.266973	1.192125	0.233212
ENSG00000285737.1	11.20691238	0.540429	1.267235	0.426463	0.669771
ENSG00000197472.15	11.2107837	-0.18349	1.164853	-0.15752	0.874837
ENSG00000273576.1	11.21739885	-0.65569	1.128497	-0.58103	0.561221
ENSG00000250474.2	11.21822465	-0.6618	1.17666	-0.56244	0.573819
ENSG00000198156.10	11.22649397	3.463929	1.49714	2.313698	0.020684
ENSG00000137218.10	11.22679121	0.514202	1.120884	0.458747	0.646416
ENSG00000260103.2	11.22824463	1.946329	1.319259	1.475321	0.140126
ENSG00000205089.8	11.22892346	0.58177	1.13937	0.510606	0.609627
ENSG00000274317.2	11.23687635	1.30164	1.135899	1.145911	0.251832
ENSG00000271009.3	11.23710496	0.756468	1.178158	0.642076	0.520824
ENSG00000257511.1	11.24279149	0.436817	1.116927	0.391088	0.695732
ENSG00000240053.8	11.24423134	1.39795	1.193683	1.171124	0.241549
ENSG00000272092.1	11.24940583	0.479427	1.114964	0.429993	0.667201
ENSG00000241684.6	11.25143465	0.728863	1.137792	0.640594	0.521786
ENSG00000137270.11	11.25380308	-0.73012	1.288835	-0.56649	0.571058
ENSG00000260018.1	11.25462708	0.973462	1.148538	0.847566	0.39668
ENSG00000203647.2	11.25682349	-1.50154	1.206008	-1.24505	0.213113
ENSG00000273356.1	11.25918971	-0.1756	1.15863	-0.15156	0.879534
ENSG00000230319.1	11.26133066	0.263668	1.135684	0.232167	0.816408
ENSG00000226029.1	11.26151304	0.294544	1.126457	0.261478	0.793724
ENSG00000133863.9	11.26420567	3.631235	1.396123	2.600943	0.009297
ENSG00000116652.6	11.26480984	1.041458	1.139939	0.913609	0.360922
ENSG00000174500.13	11.26626956	-0.86658	1.112167	-0.77918	0.435871
ENSG00000197815.4	11.26683628	0.752018	1.159698	0.64846	0.516687
ENSG00000271971.1	11.2677299	-0.30021	1.222311	-0.24561	0.805984
ENSG00000285813.1	11.26899703	-0.40938	1.134749	-0.36077	0.718274
ENSG00000272142.4	11.269468	-0.55828	1.173543	-0.47572	0.63427
ENSG00000108381.11	11.27608859	-0.70191	1.175887	-0.59692	0.550559
ENSG00000204444.11	11.28150692	0.033094	1.112427	0.02975	0.976267
ENSG00000186479.5	11.28359209	-0.37788	1.192156	-0.31697	0.751263
ENSG00000230092.7	11.28536734	0.682025	1.1396	0.598478	0.549521
ENSG00000258677.2	11.28917801	-2.70966	1.43145	-1.89294	0.058365
ENSG00000261455.1	11.29897347	1.112078	1.154817	0.962991	0.335552
ENSG00000268869.6	11.30450352	0.01067	3.73461	0.002857	0.99772
ENSG00000106714.17	11.30494012	1.732943	1.197443	1.447203	0.14784
ENSG00000141505.12	11.30526767	0.758829	1.270535	0.597252	0.550339
ENSG00000178665.16	11.30882358	0.606714	1.166747	0.520005	0.60306
ENSG00000197140.15	11.31208539	1.273908	1.213281	1.04997	0.293732
ENSG00000277150.2	11.31835937	0.195255	1.369405	0.142584	0.886619
ENSG00000235961.6	11.31990641	1.080423	1.159674	0.931661	0.351512
ENSG00000283646.2	11.32571545	1.868909	1.393558	1.341106	0.179886
ENSG00000160117.16	11.32986478	0.148996	1.235617	0.120585	0.90402
ENSG00000176428.6	11.3299165	1.711846	1.3388	1.278642	0.201023
ENSG00000254859.1	11.33728167	3.455984	1.393865	2.479425	0.013159
ENSG00000269964.3	11.34434289	-0.43702	1.199184	-0.36443	0.715538
ENSG00000115163.15	11.3536701	0.634652	1.107275	0.573165	0.566533
ENSG00000233396.8	11.35555211	0.897409	1.171388	0.766107	0.443612
ENSG00000262728.6	11.35592125	-0.23494	1.139437	-0.20619	0.836643
ENSG00000135502.18	11.35840079	0.668736	1.143768	0.584678	0.558764
ENSG00000181359.5	11.359366	1.436276	1.190721	1.206223	0.227731

ENSG00000127472.11	11.36241895	0.47329	1.187874	0.398434	0.69031
ENSG00000094755.17	11.3696485	1.070523	1.563516	0.684689	0.49354
ENSG00000087237.12	11.37988292	3.37551	1.499499	2.251092	0.02438
ENSG00000224411.3	11.38756996	0.828289	1.301731	0.636298	0.524582
ENSG00000231185.7	11.39829758	-0.1638	1.136825	-0.14409	0.885431
ENSG00000186648.15	11.40105055	0.329624	1.156648	0.284982	0.775658
ENSG00000179168.15	11.41137665	1.203061	1.166864	1.03102	0.302531
ENSG00000100344.11	11.41268919	-0.21165	1.131467	-0.18706	0.851612
ENSG00000286273.1	11.4233303	-0.39459	1.288142	-0.30632	0.759359
ENSG00000130751.10	11.42365337	0.629295	1.185328	0.530904	0.595485
ENSG00000185271.9	11.42629968	1.663381	1.371485	1.212832	0.225194
ENSG00000213433.5	11.4332784	1.236326	1.227018	1.007586	0.313653
ENSG00000274002.1	11.43387536	0.278169	1.155964	0.240638	0.809835
ENSG00000164591.14	11.43543394	0.979327	1.433798	0.68303	0.494588
ENSG00000242268.3	11.4371215	0.409496	1.198751	0.341602	0.73265
ENSG00000258561.2	11.44027039	-0.86042	1.141361	-0.75386	0.450934
ENSG00000203685.10	11.44128023	0.49788	1.224505	0.406597	0.684304
ENSG00000139767.10	11.44458481	0.591513	1.643803	0.359844	0.718964
ENSG00000237669.1	11.45696777	0.286745	1.122356	0.255485	0.798349
ENSG00000273154.3	11.45739209	-0.17304	1.599056	-0.10821	0.913828
ENSG00000173198.6	11.46207461	2.348908	1.245144	1.886454	0.059234
ENSG00000247157.7	11.46654772	0.444026	1.163012	0.38179	0.702617
ENSG00000258227.7	11.46878973	-0.02853	1.355897	-0.02104	0.983214
ENSG00000061455.11	11.47098086	0.200882	1.137638	0.176578	0.85984
ENSG00000233101.10	11.47520052	-0.9703	1.276088	-0.76037	0.447035
ENSG00000260563.3	11.4760018	-0.00056	1.150516	-0.00049	0.999612
ENSG00000063438.18	11.47760921	0.120394	1.27211	0.094641	0.9246
ENSG00000274386.5	11.47935824	0.091044	1.234918	0.073725	0.941229
ENSG00000279168.2	11.49257324	2.362328	1.31224	1.800225	0.071825
ENSG00000286787.1	11.49823997	1.715784	1.392572	1.232097	0.217913
ENSG00000215068.8	11.49973573	-0.34217	1.166939	-0.29322	0.769352
ENSG00000248161.5	11.50682402	1.647558	1.145488	1.438303	0.150348
ENSG00000100365.16	11.51138626	-1.01536	1.211962	-0.83778	0.402154
ENSG00000285815.1	11.5162409	1.293756	1.298711	0.996185	0.31916
ENSG00000269473.1	11.51793368	0.079607	1.299709	0.06125	0.95116
ENSG00000278873.1	11.51939986	0.782585	1.129063	0.693128	0.488229
ENSG00000273540.4	11.52295623	3.043457	1.536362	1.980951	0.047597
ENSG00000257743.8	11.53022072	1.682598	1.155331	1.456377	0.145288
ENSG00000243819.4	11.53273006	1.110424	1.155518	0.960976	0.336564
ENSG00000204044.6	11.53417482	0.448973	1.134894	0.395608	0.692394
ENSG00000215014.5	11.53484911	0.817104	1.128691	0.723939	0.469103
ENSG00000257433.6	11.53678054	-1.27252	1.318785	-0.96492	0.334585
ENSG00000287665.1	11.540223	0.145931	1.148644	0.127047	0.898904
ENSG00000261556.10	11.55346816	-0.88282	1.267166	-0.69669	0.485997
ENSG00000089250.19	11.55443629	-1.06674	1.597107	-0.66792	0.504184
ENSG00000267198.1	11.56143311	0.541478	1.246747	0.434313	0.664061
ENSG00000239887.6	11.56499434	0.52027	1.100958	0.472561	0.636526
ENSG00000223551.1	11.56542301	-0.01932	1.151129	-0.01678	0.986611
ENSG00000286535.1	11.56641925	0.198945	1.114051	0.178578	0.858269
ENSG00000234883.6	11.56945326	0.126992	1.13917	0.111478	0.911238
ENSG00000253658.6	11.5702197	1.150517	1.186586	0.969603	0.332245
ENSG00000233885.7	11.58124777	-0.98174	1.163266	-0.84395	0.398696

ENSG00000230408.3	11.58230576	-0.4487	1.118818	-0.40105	0.688387
ENSG00000244675.2	11.58678845	1.492721	1.286779	1.160045	0.24603
ENSG00000263826.1	11.58767584	-0.59731	1.119852	-0.53338	0.593768
ENSG00000177602.5	11.60208813	1.024324	1.170398	0.875193	0.381469
ENSG00000237943.7	11.60353542	1.060128	1.160464	0.913538	0.36096
ENSG00000206432.4	11.61113138	1.298326	1.242216	1.045169	0.295945
ENSG00000269352.1	11.61243113	0.130177	1.095975	0.118777	0.905452
ENSG00000166428.14	11.62972357	1.737122	1.28084	1.356236	0.175024
ENSG00000227782.2	11.63990307	-0.57661	1.140879	-0.5054	0.613275
ENSG00000164106.8	11.64394065	0.341258	1.130184	0.301949	0.762691
ENSG00000232000.3	11.64709961	0.743178	1.3542	0.548795	0.583146
ENSG00000116544.12	11.64931393	1.327528	1.125685	1.179307	0.238276
ENSG00000286999.1	11.65643236	0.975102	1.180821	0.825783	0.408927
ENSG00000269900.3	11.65724486	1.688808	3.955788	0.426921	0.669437
ENSG00000111913.20	11.65915895	0.439342	1.344982	0.326653	0.74393
ENSG00000160097.19	11.65941399	-0.42524	1.336023	-0.31829	0.750268
ENSG00000230417.12	11.66383159	0.270054	1.197315	0.22555	0.821552
ENSG00000277128.2	11.66517927	2.949733	1.422409	2.073758	0.038102
ENSG00000175874.10	11.6693503	1.121033	1.193407	0.939355	0.347548
ENSG00000258777.1	11.67486143	-0.87274	1.145469	-0.76191	0.446115
ENSG00000257817.2	11.67649947	0.61203	1.204175	0.508257	0.611273
ENSG00000140470.14	11.68017307	0.837148	1.141862	0.733143	0.463471
ENSG00000125510.18	11.68050339	-0.92548	1.312781	-0.70498	0.480823
ENSG00000078900.15	11.6820437	2.224585	1.175059	1.893168	0.058336
ENSG00000109072.14	11.68310801	-0.07391	1.105306	-0.06687	0.946686
ENSG00000234789.1	11.68632359	-0.4799	1.109323	-0.43261	0.6653
ENSG00000177483.11	11.69165628	-0.27876	1.168854	-0.23849	0.8115
ENSG00000261052.6	11.69358119	-0.43671	1.202903	-0.36305	0.71657
ENSG00000246214.2	11.6967361	0.672849	1.103594	0.609689	0.542068
ENSG00000100336.17	11.69844513	0.722703	1.211927	0.596325	0.550958
ENSG00000267001.1	11.69854519	-1.1906	1.164511	-1.0224	0.306591
ENSG00000100368.14	11.69937517	0.566257	1.526306	0.370998	0.710639
ENSG00000177575.12	11.70310725	1.833035	1.273159	1.439754	0.149937
ENSG00000114786.16	11.70503704	-0.16903	1.138282	-0.14849	0.881953
ENSG00000106483.12	11.70847764	0.071643	1.105043	0.064833	0.948307
ENSG00000105146.13	11.72031522	1.555068	1.282516	1.212514	0.225316
ENSG00000261167.1	11.72798905	1.352266	1.179208	1.146757	0.251482
ENSG00000273066.5	11.73192854	1.436161	1.128815	1.272273	0.203276
ENSG00000287182.1	11.73340534	-0.0626	1.104506	-0.05668	0.954799
ENSG00000277586.4	11.73372751	1.538624	1.148986	1.339115	0.180533
ENSG00000119283.15	11.7340124	1.198274	1.293476	0.926399	0.354239
ENSG00000234432.4	11.73452453	0.774713	1.095459	0.707204	0.47944
ENSG00000223704.2	11.73725434	2.289336	1.392163	1.644446	0.100084
ENSG00000132744.8	11.74143692	1.01972	1.166965	0.873822	0.382215
ENSG00000171885.18	11.7444636	0.202503	1.206676	0.167819	0.866726
ENSG00000269906.1	11.7516427	0.270753	1.126716	0.240302	0.810096
ENSG00000245248.8	11.75248567	0.279489	1.204065	0.232121	0.816444
ENSG00000111339.12	11.75436215	0.318906	1.232718	0.258701	0.795866
ENSG00000219470.1	11.7549314	0.529739	1.117798	0.473913	0.635562
ENSG00000259660.2	11.75600215	0.445439	1.485784	0.299801	0.764329
ENSG00000183484.12	11.76345759	1.312217	1.178946	1.113043	0.26569
ENSG00000009694.13	11.76515238	0.954294	1.107247	0.861862	0.388763

ENSG00000278713.1	11.76630286	-0.10657	1.223098	-0.08713	0.930566
ENSG00000100399.16	11.76778885	-0.40628	1.144654	-0.35494	0.722637
ENSG00000229267.3	11.77103249	1.156407	1.115764	1.036426	0.300003
ENSG00000179344.16	11.77327428	1.141414	1.226978	0.930265	0.352234
ENSG00000230163.1	11.77713554	0.169989	1.241067	0.13697	0.891054
ENSG00000215354.9	11.78537764	1.391343	3.861571	0.360305	0.718619
ENSG00000210127.1	11.79421966	0.001438	1.202599	0.001196	0.999046
ENSG00000279091.1	11.79517082	2.989065	1.338772	2.232691	0.025569
ENSG00000185862.7	11.795369	-0.77213	1.125649	-0.68594	0.492751
ENSG00000198929.13	11.80065601	-0.02439	1.20431	-0.02026	0.983839
ENSG00000261335.1	11.81073869	0.455233	1.107021	0.411224	0.680909
ENSG00000282851.2	11.81092424	0.797785	1.153276	0.691755	0.489091
ENSG00000259595.1	11.81318169	-0.9551	1.147167	-0.83258	0.405084
ENSG00000270012.1	11.81718693	0.096306	1.24376	0.077431	0.93828
ENSG00000106328.10	11.81919409	0.287823	1.150748	0.250118	0.802496
ENSG00000261613.2	11.82065846	0.300614	1.11813	0.268854	0.788042
ENSG00000284686.1	11.82578252	0.089538	1.104559	0.081063	0.935392
ENSG00000266498.1	11.82716	0.639249	1.128129	0.566646	0.570955
ENSG00000217929.4	11.83074949	2.485866	1.293517	1.921788	0.054632
ENSG00000270673.1	11.83279274	0.443399	1.143809	0.387652	0.698274
ENSG00000180938.6	11.83357709	0.671811	1.161398	0.57845	0.56296
ENSG00000268635.2	11.83552937	-0.58211	1.130663	-0.51484	0.606667
ENSG00000214694.11	11.83751861	1.417176	1.148353	1.234095	0.217168
ENSG00000084453.16	11.83791612	-0.95668	1.254948	-0.76232	0.445867
ENSG00000258940.2	11.84055389	-0.57898	1.107565	-0.52275	0.601148
ENSG00000141622.14	11.84818152	2.078492	1.208463	1.719946	0.085442
ENSG00000287262.1	11.85363707	1.182429	1.153591	1.024998	0.305364
ENSG00000055955.17	11.85658233	0.310477	1.208319	0.256949	0.797218
ENSG00000196917.6	11.85709743	2.981191	1.548355	1.925392	0.05418
ENSG00000273541.1	11.86006956	-0.45137	1.130103	-0.39941	0.689594
ENSG00000176723.10	11.86459729	1.216284	1.112368	1.093418	0.27421
ENSG00000104313.20	11.86524937	1.232732	1.332785	0.924929	0.355003
ENSG00000184956.16	11.87746843	3.070016	1.188295	2.583548	0.009779
ENSG00000238198.2	11.87759048	1.948817	1.117446	1.743991	0.081161
ENSG00000261054.1	11.87922525	0.219799	1.16811	0.188166	0.850746
ENSG00000219712.1	11.88227816	-1.05797	1.155534	-0.91557	0.359894
ENSG00000285943.1	11.88652459	-0.79215	1.148961	-0.68945	0.490542
ENSG00000253161.5	11.8893934	-0.56647	1.121459	-0.50512	0.613477
ENSG00000144550.13	11.88961905	-0.44506	1.131397	-0.39338	0.694042
ENSG00000250007.7	11.89030887	0.172266	1.127121	0.152837	0.878527
ENSG00000237101.1	11.89048335	0.521596	1.099833	0.474251	0.635321
ENSG00000063127.16	11.89536178	0.249816	1.184538	0.210897	0.832967
ENSG00000257207.5	11.89602427	0.51855	1.311551	0.395371	0.692569
ENSG00000143257.12	11.8960723	0.305786	1.081348	0.282782	0.777344
ENSG00000263020.6	11.89713369	0.563822	1.321164	0.426761	0.669553
ENSG00000141469.18	11.89867232	2.004344	1.191652	1.681989	0.092571
ENSG00000279670.1	11.89912682	0.636929	1.095632	0.581335	0.561015
ENSG00000177688.7	11.90831109	0.410788	1.158122	0.354702	0.722813
ENSG00000262420.3	11.90866239	0.475285	1.110272	0.42808	0.668593
ENSG00000269374.1	11.91431749	-0.90383	1.135443	-0.79602	0.426022
ENSG00000278949.1	11.92169167	0.30404	1.14108	0.266449	0.789893
ENSG00000087128.10	11.9374561	3.066414	1.546249	1.983131	0.047353

ENSG00000285865.1	11.93938397	0.112334	1.142041	0.098362	0.921645
ENSG00000114841.17	11.94012199	-0.67194	1.093996	-0.61421	0.539076
ENSG00000164694.17	11.94192191	1.735995	1.174276	1.478353	0.139313
ENSG00000176472.10	11.94267687	0.858449	1.085028	0.791177	0.428841
ENSG00000279277.2	11.94378845	0.550156	1.243677	0.442362	0.658227
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ENSG00000171189.17	11.94723366	0.772396	1.1857	0.651426	0.514772
ENSG00000198711.5	11.95175086	0.984352	1.122758	0.876727	0.380635
ENSG00000132185.18	11.95217135	-0.26324	1.217992	-0.21612	0.828891
ENSG00000254363.6	11.95252121	0.144365	1.084992	0.133056	0.894149
ENSG00000007968.7	11.95270071	0.865185	1.293029	0.669114	0.503423
ENSG00000172247.4	11.95513121	-0.18342	1.105601	-0.1659	0.868233
ENSG00000267605.7	11.95826882	-0.34944	1.086904	-0.3215	0.747833
ENSG00000170577.8	11.95883749	1.12658	1.114333	1.01099	0.312021
ENSG00000176912.5	11.95896526	-0.92495	1.10193	-0.83939	0.401251
ENSG00000156049.7	11.96053953	-0.03569	1.115949	-0.03199	0.974484
ENSG00000233672.9	11.9626634	0.992023	1.247518	0.795198	0.426499
ENSG00000131668.14	11.96563785	2.371405	1.407695	1.684602	0.092065
ENSG00000110900.16	11.96774852	0.732521	1.176913	0.622409	0.533673
ENSG00000164344.16	11.9786828	0.684962	1.078925	0.634856	0.525522
ENSG00000148408.13	11.97939485	-0.04612	1.080768	-0.04267	0.965961
ENSG00000130270.16	11.98824757	1.328978	1.101336	1.206697	0.227549
ENSG00000187815.10	11.98970403	0.019229	1.105796	0.01739	0.986126
ENSG00000129910.8	11.98983524	1.54902	1.357746	1.140876	0.253921
ENSG00000232818.2	11.98993655	0.705362	1.077896	0.654388	0.512862
ENSG00000099834.19	11.99151932	0.510057	1.19526	0.426733	0.669574
ENSG00000204682.8	11.99266823	1.334018	1.121279	1.189729	0.234153
ENSG00000261822.1	11.9960842	0.939359	1.081376	0.86867	0.385028
ENSG00000272661.1	12.00113218	-0.21246	1.129226	-0.18815	0.850759
ENSG00000135917.16	12.00518828	1.232369	1.156087	1.065983	0.286431
ENSG00000163888.4	12.00664448	0.691803	1.091999	0.63352	0.526394
ENSG00000245526.11	12.00987458	2.679679	1.233059	2.173197	0.029766
ENSG00000146399.2	12.01289124	1.960654	1.507067	1.300974	0.193268
ENSG00000127241.17	12.01516418	1.700721	1.182081	1.438751	0.150221
ENSG00000232187.1	12.02187346	-0.70352	1.222052	-0.57569	0.564827
ENSG00000249996.1	12.02582211	-0.11939	1.099293	-0.1086	0.913517
ENSG00000279948.1	12.02760926	1.080406	1.210312	0.892667	0.372035
ENSG00000283445.1	12.02980512	2.255839	1.348131	1.673309	0.094267
ENSG00000233723.9	12.03125918	0.444096	1.10998	0.400093	0.689088
ENSG00000237638.2	12.03320511	-0.77601	1.12721	-0.68843	0.49118
ENSG00000237928.6	12.03762077	-0.00027	1.166528	-0.00023	0.999818
ENSG00000280109.3	12.04358679	0.196529	1.19683	0.164208	0.869568
ENSG00000166473.17	12.0453536	2.619429	1.39575	1.876719	0.060557
ENSG00000268230.5	12.04571704	-0.13188	1.132162	-0.11649	0.907267
ENSG00000171860.5	12.04613362	1.134693	1.201679	0.944256	0.345039
ENSG00000204961.7	12.04674227	-0.2591	1.11007	-0.23341	0.815445
ENSG00000100024.15	12.0526878	0.451569	1.138113	0.396769	0.691538
ENSG00000109927.10	12.05349936	0.307021	1.108034	0.277087	0.781714
ENSG00000229847.9	12.05665083	0.815394	1.674829	0.486852	0.626363
ENSG00000170523.3	12.05851028	0.199757	1.608094	0.12422	0.901141
ENSG00000255200.1	12.06166765	0.368706	1.140746	0.323215	0.746532
ENSG00000188629.13	12.06544391	-4.34742	1.525232	-2.85033	0.004367

ENSG00000232453.7	12.06635543	-0.57332	1.093546	-0.52428	0.600086
ENSG00000159915.12	12.06635579	0.170428	1.115298	0.15281	0.878548
ENSG00000249307.7	12.06855529	0.749697	1.235977	0.606562	0.544142
ENSG00000253537.3	12.06931514	1.467224	1.160798	1.263978	0.206238
ENSG00000258676.5	12.07264756	0.233543	1.293056	0.180613	0.856671
ENSG00000213693.4	12.07385082	-0.01708	1.086999	-0.01571	0.987464
ENSG00000287555.1	12.07497777	-0.63117	1.101586	-0.57296	0.566671
ENSG00000171056.8	12.07740112	-0.00681	1.088506	-0.00626	0.995006
ENSG00000105219.10	12.08427981	-0.97912	1.265499	-0.7737	0.439106
ENSG00000173567.15	12.08687029	0.819551	1.157925	0.707776	0.479085
ENSG00000175170.16	12.09088692	0.508649	1.135707	0.44787	0.654247
ENSG00000279673.1	12.09763331	0.823498	1.123776	0.732796	0.463683
ENSG00000285933.1	12.10035823	-0.53604	1.198586	-0.44723	0.654709
ENSG00000120659.15	12.10067628	-0.71579	1.157956	-0.61815	0.536479
ENSG00000264501.2	12.10104901	1.86066	1.275601	1.458653	0.144661
ENSG00000229337.2	12.10248696	0.694032	1.172253	0.59205	0.553817
ENSG00000261587.2	12.11261638	-1.06527	1.096065	-0.9719	0.3311
ENSG00000196109.9	12.11335865	0.564285	1.120293	0.503694	0.614476
ENSG00000278766.2	12.1149967	0.350047	1.107533	0.31606	0.751957
ENSG00000161180.11	12.12120588	-0.25547	1.21542	-0.21019	0.833518
ENSG00000233828.5	12.12399107	0.659696	1.376352	0.479307	0.63172
ENSG00000164161.10	12.12466223	1.938461	1.435883	1.350013	0.177012
ENSG00000263327.6	12.12749305	-0.11498	1.126785	-0.10204	0.918726
ENSG00000197181.12	12.13300266	1.015124	1.253673	0.80972	0.418101
ENSG00000285628.1	12.13417398	-0.12317	1.317855	-0.09346	0.925536
ENSG00000279047.4	12.13519861	0.884337	1.182346	0.747951	0.45449
ENSG00000213085.10	12.13534571	0.759584	1.094128	0.694237	0.487534
ENSG00000253552.8	12.1359305	2.676492	1.337607	2.000955	0.045397
ENSG00000184985.16	12.13597801	0.844034	1.180123	0.715209	0.47448
ENSG00000159556.10	12.13699781	-0.16461	1.355179	-0.12147	0.903319
ENSG00000179855.9	12.13978641	1.357172	1.155263	1.174774	0.240085
ENSG00000287281.1	12.14441394	1.325548	1.091443	1.214492	0.22456
ENSG00000175764.14	12.14659074	1.913665	1.136786	1.683399	0.092298
ENSG00000235381.1	12.14697258	0.878327	1.209109	0.726425	0.467578
ENSG00000136574.18	12.14780582	0.575319	1.104667	0.520807	0.602501
ENSG00000270933.1	12.14869259	1.89433	1.338995	1.41474	0.157145
ENSG00000095917.14	12.15289222	1.489372	1.368585	1.088257	0.276482
ENSG00000240764.4	12.15420356	1.701077	1.293751	1.314841	0.188563
ENSG00000066056.14	12.15467659	0.212928	1.177983	0.180757	0.856559
ENSG00000259684.1	12.15538494	-0.33453	1.097291	-0.30487	0.760467
ENSG00000259945.1	12.15954649	-0.71444	1.166738	-0.61234	0.540312
ENSG00000117598.13	12.15993031	1.726427	1.166875	1.479531	0.138998
ENSG00000279786.1	12.16315339	-0.07295	1.0778	-0.06769	0.946036
ENSG00000186652.10	12.164754	3.947825	1.46294	2.698557	0.006964
ENSG00000205863.11	12.16988129	0.642257	1.173198	0.547441	0.584076
ENSG00000230732.4	12.17063222	-0.07823	1.092282	-0.07162	0.942901
ENSG00000213228.5	12.17686817	0.551592	1.118803	0.49302	0.621999
ENSG00000280367.1	12.17969798	0.497063	1.257807	0.395182	0.692709
ENSG00000284930.1	12.18384019	-0.35651	1.43642	-0.24819	0.803985
ENSG00000247287.3	12.18384631	0.454971	1.087351	0.418422	0.675639
ENSG00000133937.5	12.18532212	0.192161	1.120095	0.171558	0.863785
ENSG00000175564.13	12.18945275	0.123182	1.263559	0.097488	0.922339

ENSG00000281741.2	12.1908743	-1.62285	1.515669	-1.07071	0.284298
ENSG00000271754.1	12.23213253	0.01351	1.079116	0.012519	0.990011
ENSG00000107147.14	12.23762499	0.258446	1.249574	0.206827	0.836145
ENSG00000143631.11	12.24348923	0.931909	1.12427	0.828902	0.40716
ENSG00000285625.1	12.24661394	-1.38529	1.252096	-1.10637	0.268564
ENSG00000167619.13	12.24919591	0.693594	1.127856	0.614967	0.538577
ENSG00000104833.12	12.25239094	0.860869	1.393828	0.617629	0.53682
ENSG00000160282.14	12.25614214	0.761273	1.081558	0.703867	0.481516
ENSG00000280388.1	12.25711611	0.226979	1.157382	0.196114	0.844521
ENSG00000250519.7	12.26419562	0.798293	1.102166	0.724295	0.468885
ENSG00000228063.2	12.26437633	-0.22822	1.073841	-0.21253	0.831693
ENSG00000284779.2	12.27339725	-1.22965	1.391744	-0.88353	0.376948
ENSG00000196205.8	12.27736708	-0.31695	1.129073	-0.28072	0.778924
ENSG00000279598.1	12.28627186	0.136734	1.107536	0.123458	0.901745
ENSG00000179674.4	12.29370355	1.772494	1.136935	1.559011	0.118994
ENSG00000273297.2	12.29456577	-0.34546	1.090036	-0.31693	0.751299
ENSG00000271851.1	12.30678083	0.770049	1.098997	0.700683	0.483501
ENSG00000242173.10	12.30836122	0.334409	1.066935	0.313429	0.753954
ENSG00000279602.1	12.31040573	-0.91681	1.268868	-0.72254	0.46996
ENSG00000278390.5	12.31451988	-1.29456	1.081783	-1.19669	0.231427
ENSG00000255644.1	12.31558181	1.019932	1.173455	0.86917	0.384754
ENSG00000184350.11	12.31885037	0.807292	1.078908	0.748249	0.45431
ENSG00000178150.10	12.3236352	-0.56235	1.274342	-0.44128	0.659007
ENSG00000134343.14	12.32527654	-0.55659	1.573003	-0.35384	0.723462
ENSG00000178623.12	12.32555134	-0.44143	1.082916	-0.40763	0.683543
ENSG00000257771.6	12.32899232	3.09875	1.586089	1.953705	0.050736
ENSG00000255559.1	12.3302997	1.298662	1.121066	1.158417	0.246694
ENSG00000255310.2	12.33928996	0.342826	1.106109	0.309939	0.756607
ENSG00000171658.8	12.35070943	0.529156	1.149934	0.460162	0.6454
ENSG00000225868.7	12.35207042	0.354831	1.09371	0.324429	0.745613
ENSG00000183831.7	12.36571392	0.899426	1.15362	0.779655	0.435594
ENSG00000286391.1	12.37212847	0.467593	1.193367	0.391827	0.695186
ENSG00000112562.19	12.37261322	0.632355	1.170704	0.540149	0.589094
ENSG00000160307.10	12.38137421	-0.06026	1.076427	-0.05598	0.955355
ENSG00000006128.12	12.38685709	0.581888	1.116108	0.521354	0.60212
ENSG00000165799.5	12.3910707	0.280011	1.288979	0.217235	0.828025
ENSG00000270049.3	12.39673936	-0.02901	1.119258	-0.02592	0.979323
ENSG00000236333.4	12.39774056	4.196098	1.502321	2.793077	0.005221
ENSG00000167992.13	12.40019225	0.311392	1.241372	0.250845	0.801934
ENSG00000183578.8	12.40338912	-0.12686	1.078827	-0.11759	0.90639
ENSG00000277324.1	12.40814671	-0.05221	1.06072	-0.04923	0.960739
ENSG00000177464.5	12.40932665	2.212315	1.403573	1.576202	0.114979
ENSG00000224609.8	12.4132244	1.267795	1.23935	1.022951	0.306331
ENSG00000005513.10	12.41468557	0.521076	1.35345	0.384998	0.700239
ENSG00000228486.10	12.41853258	-0.7167	1.085207	-0.66043	0.508977
ENSG00000226864.2	12.4189589	0.161948	1.102098	0.146945	0.883175
ENSG00000259448.3	12.42275783	0.852155	1.207597	0.705662	0.480399
ENSG00000168453.15	12.42583063	2.952604	1.419202	2.080467	0.037483
ENSG00000254876.5	12.42776701	-1.09958	1.09192	-1.00702	0.313926
ENSG00000100433.16	12.42914389	0.724627	1.104017	0.656355	0.511596
ENSG00000279742.1	12.43180273	2.83863	1.34366	2.11261	0.034634
ENSG00000274015.2	12.43182789	1.102814	1.175187	0.938416	0.348031

ENSG00000165923.16	12.44334883	1.241564	1.069632	1.160739	0.245748
ENSG00000287650.1	12.44778511	0.42263	1.078181	0.391984	0.69507
ENSG00000213700.3	12.44795334	0.536357	1.086587	0.493616	0.621577
ENSG00000012124.17	12.44966658	1.060045	1.197623	0.885125	0.376089
ENSG00000203761.5	12.45082707	-2.6928	1.244923	-2.16302	0.030539
ENSG00000273145.1	12.45219095	-0.51863	1.079052	-0.48064	0.630774
ENSG00000279029.1	12.46288936	0.503861	1.136416	0.443377	0.657493
ENSG00000278177.1	12.46653816	0.100804	1.15238	0.087474	0.930295
ENSG00000141338.14	12.46811517	3.514234	1.324971	2.65231	0.007994
ENSG00000224957.6	12.47284579	1.010951	1.139331	0.887319	0.374907
ENSG00000249917.3	12.47303328	0.153013	1.212789	0.126167	0.8996
ENSG00000187922.14	12.47752796	0.985756	1.101081	0.895262	0.370647
ENSG00000287900.1	12.48460637	1.172773	1.145015	1.024243	0.305721
ENSG00000184986.11	12.48726142	0.633513	1.199951	0.527949	0.597535
ENSG00000282164.3	12.48846119	-0.09319	1.145444	-0.08136	0.935159
ENSG00000186645.9	12.48892991	2.230321	1.386742	1.608316	0.107766
ENSG00000153012.12	12.49354001	1.301614	1.112344	1.170154	0.241939
ENSG00000165730.16	12.49398742	2.219469	1.13025	1.963697	0.049565
ENSG00000133454.16	12.4939914	1.232882	1.246384	0.989167	0.322581
ENSG00000286681.1	12.50043812	-1.08255	1.244514	-0.86985	0.38438
ENSG00000287133.1	12.51102529	0.718911	1.103113	0.651711	0.514587
ENSG00000255874.2	12.51364886	0.150949	1.144188	0.131926	0.895042
ENSG00000288076.1	12.51774321	-0.35477	1.098642	-0.32292	0.746756
ENSG00000240350.3	12.51790497	0.909009	1.115148	0.815147	0.414988
ENSG00000276185.1	12.52002039	-0.06558	1.075838	-0.06096	0.951395
ENSG00000223969.6	12.52435898	0.208506	1.171231	0.178023	0.858705
ENSG00000204970.10	12.52452866	2.280245	1.271282	1.793659	0.072868
ENSG00000169668.11	12.52493695	2.554891	1.23987	2.060612	0.03934
ENSG00000145113.22	12.52510202	1.208142	1.181023	1.022962	0.306326
ENSG00000064989.13	12.52923509	0.564252	1.101202	0.512396	0.608374
ENSG00000264324.1	12.53095335	0.120814	1.202633	0.100458	0.919981
ENSG00000273259.3	12.53168079	0.131828	1.062489	0.124074	0.901256
ENSG00000272688.1	12.53345117	-0.29795	1.079388	-0.27604	0.782517
ENSG00000273143.2	12.54520581	-0.48294	1.081446	-0.44657	0.655185
ENSG00000280234.1	12.54740706	-0.25238	1.073601	-0.23507	0.814151
ENSG00000184675.11	12.56172965	0.204536	1.079475	0.189477	0.849719
ENSG00000285763.1	12.56213949	0.88355	1.130504	0.781554	0.434477
ENSG00000284773.1	12.56417411	1.473133	1.143521	1.288244	0.197661
ENSG00000224687.2	12.56928284	0.172107	1.07886	0.159527	0.873254
ENSG00000160469.17	12.5712145	0.741742	1.103184	0.672365	0.501352
ENSG00000272031.3	12.5721781	0.57459	1.173579	0.489604	0.624414
ENSG00000262587.2	12.57280785	-0.03743	1.071465	-0.03493	0.972133
ENSG00000152669.9	12.57544929	0.383898	1.093786	0.350981	0.725603
ENSG00000177508.12	12.58347706	1.261687	1.089725	1.157803	0.246945
ENSG00000162227.8	12.58423724	0.890131	1.06532	0.835553	0.403407
ENSG00000142494.13	12.58887495	1.219634	1.278905	0.953655	0.340258
ENSG00000125462.18	12.59070002	0.84868	1.196272	0.709437	0.478053
ENSG00000253194.2	12.59610748	0.096031	1.093333	0.087833	0.930009
ENSG00000135437.10	12.59675787	1.602553	1.23046	1.302401	0.192779
ENSG00000265142.9	12.60784633	-0.76572	1.062134	-0.72093	0.470953
ENSG00000160323.18	12.60927858	0.597889	1.100116	0.543478	0.586801
ENSG00000111664.11	12.61117095	0.281557	1.090347	0.258227	0.796232

ENSG00000163017.14	12.6119837	0.528137	1.070024	0.493575	0.621606
ENSG00000146005.4	12.61736014	-0.09145	1.438074	-0.06359	0.949295
ENSG00000203808.12	12.61995136	0.843596	1.065724	0.791571	0.428611
ENSG00000283897.2	12.62341007	0.091144	1.064092	0.085655	0.931741
ENSG00000145020.16	12.62946852	1.308421	1.089137	1.201338	0.22962
ENSG00000279432.1	12.64073751	0.32279	1.102379	0.292812	0.769666
ENSG00000183153.7	12.64101232	0.399769	1.125773	0.355106	0.72251
ENSG00000270123.4	12.66025418	3.139633	3.920744	0.800775	0.423262
ENSG00000196932.12	12.66126293	0.842611	1.299112	0.648606	0.516593
ENSG00000196811.13	12.66166616	1.607694	1.180642	1.361712	0.173289
ENSG00000262791.1	12.66857966	0.582952	1.083736	0.537909	0.59064
ENSG00000176692.8	12.67459749	2.177818	1.309233	1.66343	0.096226
ENSG00000258744.2	12.67647252	0.884908	1.204701	0.734546	0.462616
ENSG00000230262.8	12.68207573	2.031635	1.109511	1.831108	0.067084
ENSG00000164796.18	12.69663728	2.2086	1.304063	1.69363	0.090336
ENSG00000253485.2	12.70058461	-0.00666	1.087269	-0.00612	0.995113
ENSG00000261512.2	12.70445979	-2.14415	1.332753	-1.60881	0.107657
ENSG00000229153.5	12.7053739	0.892085	1.061412	0.84047	0.400645
ENSG00000171357.6	12.70589808	1.308777	1.295723	1.010075	0.312459
ENSG00000269982.1	12.71048912	0.369998	1.094913	0.337925	0.73542
ENSG00000242220.9	12.71286243	0.776236	1.274993	0.608816	0.542646
ENSG00000137699.17	12.71578614	0.255399	1.421148	0.179713	0.857378
ENSG00000246763.7	12.71937662	0.782255	1.108998	0.705371	0.480579
ENSG00000259727.1	12.72113237	1.451701	1.310063	1.108116	0.267812
ENSG00000286760.1	12.7231538	0.346704	1.048087	0.330797	0.740798
ENSG00000260372.7	12.72434487	0.349694	1.094156	0.319602	0.74927
ENSG00000186481.16	12.72574868	-0.92459	1.104517	-0.8371	0.402535
ENSG00000223697.3	12.72675098	-0.15859	1.067516	-0.14856	0.881904
ENSG00000277369.1	12.72690903	0.034212	1.046798	0.032682	0.973928
ENSG00000286742.1	12.7391716	0.126827	1.063154	0.119293	0.905043
ENSG00000142583.18	12.73997829	0.754032	1.256519	0.600096	0.548442
ENSG00000270804.1	12.75457965	1.294789	1.100431	1.17662	0.239347
ENSG00000169896.18	12.75713482	2.496297	1.231816	2.026518	0.042712
ENSG00000244560.7	12.7576795	0.710374	1.051593	0.675521	0.499345
ENSG00000180440.4	12.76199572	0.625792	1.090363	0.57393	0.566015
ENSG00000239791.2	12.76450747	-0.20437	1.0931	-0.18696	0.851692
ENSG00000271943.2	12.76712804	-0.214	1.052816	-0.20326	0.838931
ENSG00000249853.7	12.77174966	1.803195	1.16104	1.553086	0.120403
ENSG00000167646.14	12.77291278	-1.40794	1.128175	-1.24798	0.212039
ENSG00000149503.13	12.77920471	0.539275	1.088057	0.495631	0.620155
ENSG00000275120.3	12.77938925	-0.21343	1.057232	-0.20187	0.840017
ENSG00000255467.1	12.78893256	-1.18728	1.142804	-1.03892	0.298842
ENSG00000281383.1	12.79472285	0.603173	1.146278	0.526201	0.598748
ENSG00000166664.14	12.80139647	0.194364	1.23059	0.157944	0.874501
ENSG00000081138.14	12.80326041	1.24206	1.375295	0.903122	0.366461
ENSG00000188596.11	12.80649249	1.668468	1.16603	1.430896	0.15246
ENSG00000128408.9	12.80865332	0.799228	1.146731	0.696962	0.485827
ENSG00000196620.10	12.81112775	2.47147	1.241358	1.99094	0.046487
ENSG00000281731.3	12.81295465	-0.09169	1.274501	-0.07194	0.942649
ENSG00000186907.8	12.81812916	1.080355	1.14437	0.94406	0.345139
ENSG00000204071.10	12.82137852	0.725025	1.062451	0.682408	0.494981
ENSG00000181798.3	12.83184	-0.14564	1.1275	-0.12917	0.897224

ENSG00000152931.9	12.8329979	1.612403	1.129366	1.427706	0.153376
ENSG00000106013.15	12.83538199	0.440564	1.177657	0.374102	0.708329
ENSG00000212127.6	12.83671379	0.543011	1.086793	0.499645	0.617325
ENSG00000271789.1	12.83898758	-0.7548	1.074354	-0.70256	0.48233
ENSG00000254017.1	12.84262089	-0.19829	1.093916	-0.18126	0.85616
ENSG00000163406.11	12.84354858	-0.28023	1.265168	-0.2215	0.824706
ENSG00000184144.12	12.84446139	1.689954	1.288847	1.311213	0.189786
ENSG00000215548.2	12.86666512	-0.66313	1.068344	-0.62071	0.534791
ENSG00000111341.10	12.86883345	-0.53558	1.089797	-0.49145	0.623108
ENSG00000023839.12	12.87161845	-0.27928	1.093624	-0.25537	0.798437
ENSG00000263171.1	12.87175211	0.87056	1.098631	0.792404	0.428125
ENSG00000174502.19	12.88003253	1.105677	1.261504	0.876475	0.380772
ENSG00000254551.1	12.88706163	-0.08829	1.066221	-0.08281	0.934002
ENSG00000197893.14	12.89078868	1.368643	1.111612	1.231224	0.218239
ENSG00000261329.6	12.89789442	0.327719	1.243577	0.26353	0.792142
ENSG00000135346.9	12.90498603	-0.4784	1.103978	-0.43334	0.664768
ENSG00000284906.2	12.90753133	0.367445	1.240025	0.296321	0.766985
ENSG00000085465.13	12.91000891	0.135337	1.067384	0.126793	0.899104
ENSG00000233579.1	12.9148787	-0.03659	1.091559	-0.03352	0.973258
ENSG00000188573.8	12.91722508	1.24323	1.054	1.179535	0.238185
ENSG00000166558.11	12.92026561	-0.03654	1.058681	-0.03452	0.972463
ENSG00000260220.7	12.93028584	0.834233	1.106216	0.754132	0.45077
ENSG00000183032.12	12.93052391	0.776722	1.081949	0.717891	0.472824
ENSG00000230337.1	12.93094782	0.506119	1.117761	0.452797	0.650695
ENSG00000228061.7	12.93111067	-0.07374	1.06521	-0.06922	0.944813
ENSG00000165409.17	12.93145778	1.611403	1.114792	1.445474	0.148325
ENSG00000259436.1	12.93620152	-0.93578	1.209204	-0.77388	0.439002
ENSG00000272159.1	12.93969724	0.299902	1.077482	0.278336	0.780754
ENSG00000272556.2	12.94071709	2.171118	1.248146	1.739475	0.081951
ENSG00000235092.6	12.94411943	-1.03403	1.116944	-0.92577	0.354565
ENSG00000158008.10	12.94657347	1.532886	1.203147	1.274064	0.202641
ENSG00000227827.3	12.94834012	3.651866	1.536234	2.377155	0.017447
ENSG00000157782.9	12.95524722	2.109094	1.216922	1.733138	0.083071
ENSG00000204176.14	12.95595255	0.545062	1.146586	0.475378	0.634517
ENSG00000092377.15	12.95935519	0.837114	1.064112	0.786679	0.43147
ENSG00000107742.13	12.96281383	0.056857	1.060015	0.053638	0.957223
ENSG00000100626.17	12.97371862	0.147845	1.312371	0.112655	0.910304
ENSG00000170044.8	12.97401557	-0.3195	1.062501	-0.30071	0.763638
ENSG00000279406.1	12.97557039	0.407934	1.078899	0.378102	0.705355
ENSG00000115353.11	12.97951762	0.870402	1.137647	0.76509	0.444218
ENSG00000232063.2	12.98468623	0.750143	1.078983	0.695231	0.48691
ENSG00000215018.10	12.98517848	0.641118	1.172946	0.546588	0.584662
ENSG00000242396.1	12.99748675	-0.51122	1.098169	-0.46552	0.641559
ENSG00000167748.11	12.99760666	1.136362	1.225333	0.92739	0.353724
ENSG00000134461.16	13.00068786	0.403904	1.063997	0.37961	0.704235
ENSG00000112394.17	13.0077382	-0.37524	1.249385	-0.30034	0.763919
ENSG00000240240.9	13.01106888	1.255702	1.190772	1.054527	0.291642
ENSG00000261611.6	13.01485406	-2.54914	1.215247	-2.09763	0.035938
ENSG00000173200.13	13.02831619	0.74872	1.272119	0.588561	0.556156
ENSG00000136542.9	13.03535781	-1.05828	1.21475	-0.87119	0.383649
ENSG00000115194.11	13.04622554	0.871315	1.193601	0.729988	0.465398
ENSG00000168477.19	13.04918333	0.787964	1.214139	0.64899	0.516345

ENSG00000217165.1	13.05242382	-0.14196	1.050205	-0.13517	0.892478
ENSG00000171199.11	13.05893565	2.640064	1.500903	1.758984	0.07858
ENSG00000273471.1	13.07552561	0.028978	1.305864	0.022191	0.982296
ENSG00000102057.10	13.0797219	0.314807	1.061865	0.296466	0.766875
ENSG00000134516.18	13.08195707	1.07262	1.096991	0.977784	0.328181
ENSG00000226696.6	13.09447135	0.301849	1.061791	0.284283	0.776193
ENSG00000167613.16	13.0985216	1.539916	1.361875	1.130732	0.258168
ENSG00000188501.11	13.101007	0.805758	1.062505	0.758356	0.448238
ENSG00000115598.10	13.10877414	-0.52049	1.077053	-0.48325	0.628918
ENSG00000217416.4	13.11273206	0.119679	1.262894	0.094766	0.924501
ENSG00000285000.1	13.11822075	-6.46228	3.912627	-1.65165	0.098607
ENSG00000042980.13	13.12097073	-0.58225	1.186958	-0.49054	0.623754
ENSG00000284624.1	13.12799308	1.000651	1.106224	0.904564	0.365696
ENSG00000286729.1	13.13385745	0.241324	1.044215	0.231106	0.817233
ENSG00000266903.2	13.13596636	1.912123	1.074801	1.779049	0.075232
ENSG00000157570.12	13.13663847	0.933257	1.162273	0.802959	0.421999
ENSG00000261596.2	13.14047857	0.411312	1.072906	0.383362	0.701451
ENSG00000213967.11	13.14145691	1.179721	1.199553	0.983467	0.325378
ENSG00000285646.2	13.14929486	0.160836	1.205417	0.133427	0.893855
ENSG00000183960.9	13.15445759	-0.45122	1.059339	-0.42595	0.670145
ENSG00000238186.1	13.15718354	0.305385	1.058289	0.288565	0.772915
ENSG00000280219.1	13.16203692	1.297173	1.10273	1.176328	0.239464
ENSG00000271737.1	13.1622585	0.060899	1.110431	0.054842	0.956264
ENSG00000267317.2	13.16700654	0.079796	1.054787	0.075651	0.939697
ENSG00000264895.1	13.16713439	-0.2684	1.035037	-0.25932	0.795389
ENSG00000136425.14	13.16929869	1.149737	1.181392	0.973205	0.330451
ENSG00000080007.8	13.17468799	0.307152	1.120082	0.274223	0.783913
ENSG00000223343.1	13.17555654	0.29024	1.03996	0.279087	0.780178
ENSG00000284543.1	13.17595844	0.466478	1.40783	0.331345	0.740384
ENSG00000260304.1	13.17672054	-0.7467	1.08079	-0.69088	0.489641
ENSG00000235663.1	13.17998943	0.40801	1.078867	0.378184	0.705294
ENSG00000268886.1	13.19570341	0.566058	1.112853	0.508655	0.610994
ENSG00000112599.9	13.19801455	0.872794	1.18757	0.734941	0.462375
ENSG00000279417.1	13.20158837	1.804254	1.367002	1.319862	0.186881
ENSG00000284830.1	13.2083802	0.806171	1.101376	0.731967	0.464188
ENSG00000080166.16	13.20876711	-0.96995	1.149657	-0.84369	0.398843
ENSG00000270504.1	13.22197617	0.739742	1.050662	0.704073	0.481388
ENSG00000105737.9	13.22374694	0.73998	1.061658	0.697004	0.4858
ENSG00000286950.1	13.22728162	-0.65554	1.051211	-0.6236	0.532887
ENSG00000079841.18	13.22812202	3.174427	1.328658	2.389197	0.016885
ENSG00000010282.15	13.23599456	-0.22669	1.049542	-0.21599	0.828998
ENSG00000272558.1	13.24195316	-0.30923	1.067592	-0.28965	0.772085
ENSG00000287401.1	13.24528839	0.587452	1.086337	0.540764	0.588671
ENSG00000145536.15	13.24990803	-0.29719	1.05482	-0.28175	0.778137
ENSG00000078328.22	13.25979059	1.647984	1.196897	1.376881	0.168549
ENSG00000171502.15	13.26465234	3.351808	1.383627	2.42248	0.015415
ENSG00000257596.1	13.26965559	0.977507	1.097439	0.890716	0.373082
ENSG00000269910.1	13.27400267	-0.43877	1.073589	-0.4087	0.682762
ENSG00000286545.1	13.28047849	-0.37095	1.042542	-0.35581	0.721983
ENSG00000130518.17	13.28589628	-0.71427	1.15982	-0.61585	0.537994
ENSG00000148377.6	13.28604005	0.919312	1.100405	0.835431	0.403475
ENSG00000251493.5	13.28888185	3.514388	1.331685	2.639053	0.008314

ENSG00000127507.18	13.29407446	-0.0002	1.386088	-0.00015	0.999882
ENSG00000234028.3	13.29697569	-0.31306	1.097446	-0.28527	0.77544
ENSG00000261351.2	13.29724794	0.530963	1.088857	0.487633	0.62581
ENSG00000286032.1	13.29836304	4.082963	1.498359	2.724956	0.006431
ENSG00000286340.1	13.30768651	0.620587	1.066903	0.581671	0.560788
ENSG00000138083.5	13.31112132	0.632125	1.078041	0.586365	0.55763
ENSG00000157103.12	13.31194517	1.299299	1.1109	1.169591	0.242165
ENSG00000236283.5	13.31369841	-0.74076	1.145831	-0.64648	0.517969
ENSG00000254556.1	13.31869236	-0.29361	1.055529	-0.27817	0.780884
ENSG00000124191.18	13.33368289	1.008399	1.106037	0.911722	0.361915
ENSG00000275180.1	13.33617808	1.556261	1.075884	1.446495	0.148038
ENSG00000224429.8	13.33801748	-0.3352	1.100726	-0.30452	0.76073
ENSG00000110881.12	13.34717834	1.525893	1.061683	1.43724	0.15065
ENSG00000102468.10	13.35262122	1.396745	1.304508	1.070706	0.284302
ENSG00000239415.1	13.35356709	1.313513	1.061039	1.23795	0.215735
ENSG00000233143.2	13.35409226	0.876178	1.111369	0.788378	0.430476
ENSG00000008516.17	13.35507998	0.636207	1.037977	0.61293	0.539922
ENSG00000242294.6	13.35520707	0.450022	1.081182	0.416231	0.677241
ENSG00000287933.1	13.35857938	-0.02218	1.190752	-0.01862	0.985142
ENSG00000141449.14	13.36293933	0.305746	1.115394	0.274114	0.783997
ENSG00000261094.2	13.38451612	1.869346	1.09552	1.706355	0.087942
ENSG00000214827.11	13.38850075	-0.69564	1.037368	-0.67058	0.502489
ENSG00000140015.20	13.39080944	1.855073	1.346723	1.377472	0.168366
ENSG00000249359.3	13.39250706	1.956081	1.364738	1.433301	0.151772
ENSG00000279225.1	13.39325541	0.245302	1.039766	0.23592	0.813495
ENSG00000179133.15	13.39390454	0.407783	1.107715	0.36813	0.712776
ENSG00000092607.15	13.39501422	0.91277	1.062372	0.859181	0.390241
ENSG00000134207.17	13.40045842	3.440062	1.191182	2.887939	0.003878
ENSG00000167768.4	13.40358401	0.673006	1.51286	0.444857	0.656423
ENSG00000103154.9	13.40788596	-0.24085	1.065943	-0.22595	0.82124
ENSG00000253417.5	13.41202102	1.035514	1.205469	0.859013	0.390333
ENSG00000150594.7	13.41885088	0.612831	1.073981	0.570616	0.56826
ENSG00000111012.10	13.42477693	-0.12094	1.043643	-0.11589	0.907742
ENSG00000260412.1	13.43052822	0.750138	1.055964	0.710382	0.477467
ENSG00000176884.16	13.43191061	3.755512	1.412195	2.659343	0.007829
ENSG00000230091.6	13.43254191	0.147483	1.060881	0.139019	0.889435
ENSG00000213221.5	13.44052952	1.344348	1.122514	1.197623	0.231064
ENSG00000258376.2	13.44168333	0.494712	1.05236	0.470097	0.638286
ENSG00000168490.14	13.44379684	-0.08879	1.084645	-0.08186	0.934758
ENSG00000247121.7	13.45805656	0.386935	1.073815	0.360336	0.718596
ENSG00000272077.1	13.45832035	0.767223	1.051699	0.729508	0.465691
ENSG00000267125.2	13.46029967	0.344455	1.043527	0.330087	0.741334
ENSG00000184785.6	13.46354372	1.050663	1.042318	1.008006	0.313452
ENSG00000288093.1	13.46375164	0.483058	1.188209	0.406543	0.684344
ENSG00000185972.6	13.46845874	1.419521	1.076116	1.319115	0.187131
ENSG00000112183.15	13.47899328	0.51385	1.032153	0.497843	0.618594
ENSG00000279541.1	13.48308233	-0.31652	1.100831	-0.28753	0.773709
ENSG00000233271.1	13.48460626	0.017815	1.033643	0.017235	0.986249
ENSG00000266916.7	13.4936299	0.625769	1.07637	0.58137	0.560991
ENSG00000267586.7	13.49749143	0.218934	1.090547	0.200756	0.84089
ENSG00000164707.15	13.50403832	-1.16549	1.151355	-1.01228	0.311404
ENSG00000226124.7	13.50436474	0.615031	1.0415	0.590524	0.554839

ENSG00000140795.13	13.50529493	3.631823	1.255985	2.891614	0.003833
ENSG00000178803.12	13.51552469	0.598642	1.04251	0.574232	0.565811
ENSG00000213130.3	13.51563293	0.843581	3.953548	0.213373	0.831036
ENSG00000226453.2	13.51788717	0.589119	1.100971	0.535091	0.592587
ENSG00000122035.7	13.5188827	1.523389	1.083379	1.406146	0.159681
ENSG00000169067.4	13.52537608	-0.89188	1.198474	-0.74418	0.456767
ENSG00000279267.1	13.52605665	0.148892	1.043765	0.142649	0.886567
ENSG00000231728.5	13.52723595	1.086543	1.082583	1.003658	0.315543
ENSG00000256422.6	13.52879698	1.134702	1.129564	1.004549	0.315114
ENSG00000286214.1	13.53029971	-0.3677	1.031564	-0.35645	0.721503
ENSG00000258653.3	13.53180705	-0.91218	1.282144	-0.71145	0.476807
ENSG00000162891.10	13.53802144	0.705657	1.29982	0.542889	0.587207
ENSG00000172404.5	13.54121106	0.362533	1.025945	0.353365	0.723815
ENSG00000262265.2	13.54193332	0.342453	1.064696	0.321644	0.747722
ENSG00000146192.15	13.55132766	0.041258	1.0792	0.03823	0.969504
ENSG00000232415.1	13.55638765	1.005862	1.084554	0.927443	0.353696
ENSG00000279495.1	13.56031529	0.517218	1.082194	0.477935	0.632696
ENSG00000279009.1	13.5843546	1.420052	1.06258	1.33642	0.181412
ENSG00000247950.7	13.58581807	0.76699	1.077086	0.712097	0.476404
ENSG00000238072.1	13.59291255	-6.29942	3.915077	-1.60901	0.107613
ENSG00000254427.2	13.59747974	-0.01924	1.100537	-0.01748	0.986054
ENSG00000256469.1	13.60058163	-0.52385	1.041129	-0.50316	0.614854
ENSG00000229419.1	13.60191227	0.104134	1.096377	0.09498	0.924331
ENSG00000226919.4	13.60411495	-0.5051	1.096807	-0.46052	0.645142
ENSG00000253873.6	13.60618037	0.05493	1.098964	0.049983	0.960136
ENSG00000099954.18	13.60863628	0.026404	1.194726	0.0221	0.982368
ENSG00000259802.1	13.61024917	0.429472	1.029676	0.417094	0.67661
ENSG00000287697.1	13.61145614	0.148032	1.128329	0.131195	0.895621
ENSG00000135736.6	13.62179892	0.240768	1.034159	0.232816	0.815905
ENSG00000164849.10	13.62431975	-0.86516	1.065887	-0.81168	0.416974
ENSG00000178776.5	13.62516214	0.421503	1.037152	0.406404	0.684445
ENSG00000159905.15	13.62603271	-0.1824	1.031122	-0.17689	0.859592
ENSG00000006283.18	13.63185015	0.99624	1.169883	0.851573	0.394451
ENSG00000158270.12	13.64650504	1.594767	1.165586	1.368211	0.171246
ENSG00000270605.1	13.65727332	0.624958	1.097131	0.569629	0.568929
ENSG00000286153.1	13.66715776	0.181279	1.03301	0.175486	0.860697
ENSG00000168939.12	13.67572367	0.371537	1.122535	0.33098	0.74066
ENSG00000257135.7	13.67597616	-0.19943	1.206955	-0.16524	0.868757
ENSG00000138028.16	13.67680689	0.267347	1.071649	0.249472	0.802995
ENSG00000101203.16	13.67978776	3.222421	1.552706	2.075359	0.037953
ENSG00000163491.16	13.68504569	1.356145	1.062402	1.27649	0.201782
ENSG00000244733.5	13.68684677	0.174075	1.028127	0.169313	0.86555
ENSG00000229539.1	13.68861916	0.159377	1.058377	0.150587	0.880302
ENSG00000224416.2	13.69202104	-0.24459	1.316565	-0.18578	0.852619
ENSG00000260083.2	13.69332651	1.061123	1.031241	1.028977	0.303491
ENSG00000279500.1	13.69648948	-0.35344	1.056297	-0.33461	0.737922
ENSG00000183914.14	13.70234747	0.767946	1.159977	0.662036	0.507948
ENSG00000124549.14	13.72030795	0.274152	1.023425	0.267877	0.788794
ENSG00000204241.8	13.73548227	1.860955	1.168225	1.592977	0.111165
ENSG00000245281.8	13.7373342	0.262726	1.176215	0.223365	0.823251
ENSG00000259370.2	13.74074291	1.476017	1.061408	1.390621	0.16434
ENSG00000223403.6	13.74300954	0.670077	1.048035	0.639365	0.522586

ENSG00000258458.8	13.74421651	0.563117	1.085735	0.51865	0.604005
ENSG0000007038.11	13.74945365	0.896412	1.251923	0.716028	0.473974
ENSG00000269113.4	13.75168166	0.879067	1.334498	0.658725	0.510072
ENSG00000158055.16	13.7579717	1.489358	1.296654	1.148617	0.250714
ENSG00000113211.5	13.76164833	1.148878	1.210124	0.949388	0.342423
ENSG00000158423.17	13.76179567	-0.38604	1.07704	-0.35843	0.720022
ENSG00000279905.1	13.76370475	0.338655	1.029443	0.328969	0.742179
ENSG00000258704.6	13.77387372	-0.55877	1.026908	-0.54413	0.58635
ENSG00000260807.7	13.77410198	0.898429	1.060432	0.847228	0.396868
ENSG00000234690.7	13.77825704	-0.35976	1.050959	-0.34232	0.73211
ENSG00000105409.19	13.77998306	-0.03368	1.033802	-0.03258	0.974009
ENSG00000273008.1	13.78873348	-0.19614	1.0642	-0.18431	0.853772
ENSG00000235033.7	13.79008551	2.74251	1.180528	2.323122	0.020173
ENSG00000198673.10	13.79348945	-1.02647	1.077891	-0.9523	0.340946
ENSG00000186280.7	13.79520216	-0.54721	1.053251	-0.51954	0.603384
ENSG00000203896.10	13.80268731	0.118704	1.129178	0.105124	0.916277
ENSG00000282994.1	13.80839007	0.313615	1.187552	0.264085	0.791714
ENSG00000229109.2	13.8181182	1.020672	1.132737	0.901067	0.367553
ENSG00000111834.13	13.82997559	0.298583	1.070712	0.278864	0.780349
ENSG00000232855.7	13.8303416	3.298127	1.291378	2.553959	0.010651
ENSG00000143627.19	13.83772405	0.491199	1.016643	0.483158	0.628984
ENSG00000226530.2	13.84076388	1.096956	1.187159	0.924018	0.355477
ENSG00000262456.1	13.84423515	-0.10789	1.031012	-0.10464	0.916661
ENSG00000205929.11	13.84497655	1.021349	1.082508	0.943502	0.345424
ENSG00000250539.1	13.85922382	-0.73369	1.022936	-0.71724	0.473228
ENSG00000185100.11	13.86206054	1.094491	1.028718	1.063937	0.287357
ENSG00000172461.11	13.86561343	0.517431	1.188752	0.435272	0.663365
ENSG00000231760.5	13.86592516	-0.2848	1.046716	-0.27209	0.785556
ENSG00000223839.8	13.87032548	1.193799	1.216836	0.981068	0.326559
ENSG00000259353.1	13.87354318	0.452569	1.019384	0.443963	0.657069
ENSG00000239617.1	13.87697382	-2.12955	1.356421	-1.56998	0.116421
ENSG00000186056.10	13.88150379	0.024606	1.042046	0.023614	0.981161
ENSG00000288542.1	13.88868474	1.760876	3.843186	0.458181	0.646822
ENSG00000265489.1	13.88967111	2.184645	1.2113	1.803554	0.071301
ENSG00000230918.2	13.88973295	1.08071	1.029045	1.050207	0.293623
ENSG00000223953.6	13.89010273	1.090849	1.022172	1.067187	0.285887
ENSG00000141527.18	13.89113818	0.444951	1.240976	0.358549	0.719932
ENSG00000266378.1	13.89364056	1.970978	1.239604	1.590006	0.111833
ENSG00000259251.2	13.89703584	-0.76456	1.057424	-0.72304	0.469656
ENSG00000237438.7	13.89810387	-0.93699	1.042714	-0.89861	0.368862
ENSG00000259430.2	13.90239251	2.319525	1.344094	1.725717	0.084398
ENSG00000273619.1	13.91524169	-0.14809	1.0113	-0.14643	0.88358
ENSG00000283268.1	13.91826602	-1.35574	1.120429	-1.21002	0.226272
ENSG00000272086.1	13.91929481	0.181914	1.069185	0.170142	0.864898
ENSG00000277511.1	13.91974096	0.158584	1.056295	0.150132	0.880661
ENSG00000287966.1	13.92201184	-0.7107	1.039731	-0.68354	0.494263
ENSG00000265907.2	13.92456475	-0.1238	1.039165	-0.11913	0.905169
ENSG00000068078.19	13.93026159	0.254741	1.140648	0.22333	0.823278
ENSG00000228802.1	13.94071158	-0.22413	1.040599	-0.21539	0.829465
ENSG00000260007.3	13.95626799	0.733696	1.13934	0.643966	0.519598
ENSG00000260558.2	13.95720482	0.516304	1.01697	0.507689	0.611672
ENSG00000171812.13	13.95760679	0.670222	1.029164	0.65123	0.514898

ENSG00000122012.14	13.95842425	3.214506	1.317592	2.439683	0.0147
ENSG00000285278.1	13.97539027	1.319034	1.126889	1.170509	0.241796
ENSG00000138336.9	13.98239241	0.977802	1.033003	0.946562	0.343862
ENSG00000162814.11	13.98461462	-1.17367	1.134572	-1.03446	0.30092
ENSG00000272844.1	13.98830792	-0.07369	1.043797	-0.0706	0.943719
ENSG00000161103.11	13.99274986	0.070436	1.630032	0.043212	0.965533
ENSG00000240775.1	14.00288779	0.84822	1.12211	0.755915	0.4497
ENSG00000231752.6	14.00379882	-0.07336	1.070413	-0.06853	0.945363
ENSG00000106511.6	14.00869479	1.597296	1.19169	1.340362	0.180128
ENSG00000280347.1	14.01692413	-0.30437	1.022166	-0.29777	0.765882
ENSG00000257607.1	14.0184814	-0.01462	1.03436	-0.01413	0.988722
ENSG00000159251.8	14.02000525	-0.04606	1.032369	-0.04462	0.964412
ENSG00000071991.9	14.02151116	-0.10429	1.085615	-0.09607	0.923469
ENSG00000183783.7	14.0296404	-0.00574	1.062804	-0.0054	0.995692
ENSG00000205085.12	14.03020788	1.597342	1.299763	1.228949	0.219091
ENSG00000255136.3	14.0323298	1.595703	1.414829	1.127841	0.259387
ENSG00000172000.7	14.03937519	3.249858	1.213111	2.678945	0.007385
ENSG00000260526.1	14.04178762	-0.15982	1.157223	-0.13811	0.890154
ENSG00000180096.12	14.05003706	1.004742	1.042519	0.963764	0.335164
ENSG00000271119.1	14.05062237	0.088454	1.012891	0.087328	0.930411
ENSG00000089505.17	14.05087971	0.288402	1.044481	0.27612	0.782456
ENSG00000272138.2	14.0589203	0.116407	1.090139	0.106782	0.914962
ENSG00000267432.6	14.05974056	1.873621	1.402619	1.335802	0.181614
ENSG00000254226.6	14.06005769	1.865517	1.115763	1.671966	0.094531
ENSG00000273284.1	14.06161237	-0.10446	1.032174	-0.1012	0.919389
ENSG00000245768.7	14.06482623	0.02071	1.037784	0.019956	0.984079
ENSG00000257379.1	14.06591151	-0.43693	1.111553	-0.39308	0.694261
ENSG00000285710.1	14.08403409	-0.25877	1.016516	-0.25457	0.799055
ENSG00000154258.17	14.08521311	1.317175	1.2006	1.097097	0.272599
ENSG00000128268.12	14.08723346	0.967536	1.022618	0.946136	0.344079
ENSG00000206127.11	14.09010356	0.635498	1.120246	0.567284	0.570521
ENSG00000065675.15	14.0912296	0.562637	1.039768	0.541118	0.588426
ENSG00000279861.1	14.09220717	0.352203	1.009642	0.34884	0.72721
ENSG00000203999.9	14.09260547	-0.54674	1.035199	-0.52815	0.597395
ENSG00000175445.17	14.09607902	1.111325	1.041316	1.067231	0.285867
ENSG00000120341.18	14.09669046	1.086163	1.080727	1.00503	0.314882
ENSG00000249568.1	14.09764828	-0.40018	1.011205	-0.39575	0.692291
ENSG00000125864.14	14.09916547	0.613515	1.055596	0.581203	0.561104
ENSG00000170074.19	14.10073994	2.366915	1.158909	2.042365	0.041115
ENSG00000143473.13	14.10165061	-0.39956	1.041625	-0.38359	0.701282
ENSG00000158296.14	14.11281423	0.691982	1.075623	0.643331	0.520009
ENSG00000279085.1	14.11319056	1.446024	1.112653	1.299618	0.193732
ENSG00000224063.6	14.1142477	-0.2045	1.019128	-0.20066	0.840963
ENSG00000121895.8	14.11496209	0.830016	1.166327	0.71165	0.476682
ENSG00000254003.1	14.11598744	-0.2657	1.026891	-0.25874	0.795837
ENSG00000180113.16	14.13040569	1.343618	1.113617	1.206535	0.227611
ENSG00000108001.15	14.13311385	0.560835	1.22347	0.458397	0.646667
ENSG00000237753.2	14.14286839	-0.3347	1.060733	-0.31554	0.752353
ENSG00000124882.4	14.14611526	1.118607	1.141509	0.979937	0.327117
ENSG00000279434.1	14.1515123	0.393182	1.029541	0.3819	0.702535
ENSG00000166415.15	14.15479597	1.553114	1.121975	1.384267	0.166277
ENSG00000227373.6	14.15498387	1.588689	1.451063	1.094845	0.273585

ENSG00000251013.1	14.15582714	-0.41768	1.095562	-0.38125	0.703021
ENSG00000129451.12	14.15736558	0.129378	1.232798	0.104946	0.916418
ENSG00000250571.7	14.16005862	1.348897	1.054957	1.278628	0.201028
ENSG00000150893.11	14.18052777	1.974663	1.214037	1.626526	0.103838
ENSG00000260537.2	14.18115214	1.807971	3.842983	0.47046	0.638026
ENSG00000178445.10	14.18761921	1.947628	1.033354	1.884763	0.059462
ENSG00000279706.1	14.19221114	0.235513	1.036996	0.227111	0.820338
ENSG00000102230.14	14.19392642	0.69523	1.164664	0.596936	0.55055
ENSG00000242338.6	14.20011279	-0.69314	1.015442	-0.6826	0.49486
ENSG00000102904.14	14.20677136	0.374637	1.045708	0.358262	0.720148
ENSG00000197837.3	14.20730555	0.493497	1.048695	0.470582	0.637939
ENSG00000266527.1	14.21043505	-0.20784	1.017772	-0.20422	0.838185
ENSG00000273492.6	14.21478447	1.097551	1.021317	1.074644	0.282534
ENSG00000174130.12	14.21670845	0.744022	1.217544	0.611085	0.541144
ENSG00000186960.12	14.2188522	4.09387	1.686105	2.428004	0.015182
ENSG00000147614.4	14.2203897	-0.45051	1.319827	-0.34134	0.732846
ENSG00000137959.16	14.22308763	1.652785	1.114903	1.482447	0.138221
ENSG00000235244.4	14.22474404	0.290672	1.055588	0.275365	0.783036
ENSG00000258554.1	14.25489988	0.356287	1.107117	0.321815	0.747593
ENSG00000127325.19	14.25588765	0.221381	1.096647	0.201871	0.840018
ENSG00000279233.1	14.26067261	0.848129	1.027668	0.825295	0.409204
ENSG00000267374.2	14.26895413	1.704378	1.17965	1.444817	0.148509
ENSG00000221949.6	14.26988749	1.980427	1.180995	1.676915	0.093559
ENSG00000184669.9	14.28770847	0.934774	1.128036	0.828674	0.407289
ENSG00000232679.2	14.28844832	-0.39144	1.102508	-0.35504	0.722558
ENSG00000237596.7	14.28927036	2.415885	1.10476	2.186795	0.028757
ENSG00000188039.16	14.2903305	0.312665	1.135994	0.275235	0.783136
ENSG00000261737.1	14.29219926	1.071817	1.13215	0.94671	0.343787
ENSG00000235370.6	14.29261939	1.687828	1.142073	1.477863	0.139444
ENSG00000181234.9	14.29665285	0.031357	1.03445	0.030312	0.975818
ENSG00000214110.3	14.3067932	-0.07796	1.161338	-0.06713	0.946481
ENSG00000185156.6	14.30850714	0.531165	1.071628	0.495662	0.620133
ENSG00000091536.19	14.31256428	0.238353	1.029807	0.231454	0.816962
ENSG00000173442.13	14.31441286	0.233898	1.094759	0.213653	0.830818
ENSG00000232850.3	14.3235723	0.239689	1.071663	0.223661	0.823021
ENSG00000146094.15	14.33163078	0.527762	1.007658	0.52375	0.600452
ENSG00000140519.14	14.33172363	0.414202	1.040133	0.398221	0.690468
ENSG00000107611.16	14.33526553	2.30068	1.222106	1.882554	0.059761
ENSG00000133519.12	14.33574076	1.390332	1.034068	1.344527	0.178778
ENSG00000163746.11	14.34280995	0.237731	1.012081	0.234894	0.814291
ENSG00000276570.1	14.34308347	0.592581	1.089616	0.543844	0.586549
ENSG00000162997.15	14.34353814	0.315333	1.070799	0.294484	0.768388
ENSG00000186301.8	14.34400512	0.682425	1.078571	0.632712	0.526922
ENSG00000271933.1	14.34942249	0.314666	1.037927	0.303167	0.761762
ENSG00000274026.2	14.35305296	2.164924	1.215846	1.780591	0.074979
ENSG00000250280.2	14.35854583	0.842876	1.00004	0.842842	0.399317
ENSG00000272727.2	14.36269732	0.282183	0.994841	0.283646	0.776681
ENSG00000176927.15	14.36317747	1.452854	1.018939	1.42585	0.153912
ENSG00000260213.6	14.36489635	0.193286	1.017223	0.190014	0.849298
ENSG00000258136.2	14.37847944	0.902603	1.103789	0.817731	0.413511
ENSG00000255404.1	14.3875421	0.322459	1.12674	0.286187	0.774735
ENSG00000163736.4	14.39151905	-3.55474	1.285173	-2.76596	0.005676

ENSG00000249035.7	14.40468572	-0.66969	1.012055	-0.66171	0.508155
ENSG00000205363.5	14.40716413	0.422547	1.01082	0.418024	0.675929
ENSG00000276170.4	14.4171459	0.529635	1.216038	0.435541	0.663169
ENSG00000231663.1	14.4191964	0.39071	1.004681	0.388889	0.697358
ENSG00000267216.1	14.41958649	2.032405	1.190058	1.70782	0.08767
ENSG00000159261.12	14.42083851	0.400415	1.053174	0.380199	0.703798
ENSG00000219438.9	14.42243147	1.134169	1.065622	1.064325	0.287181
ENSG00000066923.17	14.42446671	0.879168	1.017011	0.864463	0.387334
ENSG00000040608.14	14.425795	-0.15776	1.017375	-0.15506	0.876773
ENSG00000249396.2	14.42877784	-0.07926	1.331339	-0.05953	0.952527
ENSG00000236397.3	14.42955916	0.988817	1.023543	0.966073	0.334008
ENSG00000137727.12	14.43378394	0.675081	1.115044	0.60543	0.544893
ENSG00000197360.9	14.43450989	0.880653	1.009067	0.87274	0.382805
ENSG00000147174.11	14.43776126	-0.84774	1.014355	-0.83575	0.403298
ENSG00000075043.18	14.4494688	0.7677	1.060786	0.723709	0.469244
ENSG00000124491.16	14.45352017	2.003897	1.101323	1.819536	0.06883
ENSG00000169876.14	14.46177766	4.07849	1.227341	3.323029	0.00089
ENSG00000101276.18	14.46961407	0.534319	1.075162	0.496966	0.619213
ENSG00000279329.1	14.48795447	0.542762	1.021005	0.531596	0.595006
ENSG00000205592.15	14.49053468	1.916602	1.222397	1.567904	0.116903
ENSG00000287222.1	14.49275969	0.615103	1.032274	0.595872	0.551261
ENSG00000258354.1	14.4945672	1.485018	1.082654	1.371646	0.170174
ENSG00000279502.1	14.49648143	0.23762	1.021307	0.232663	0.816023
ENSG00000224891.1	14.49684455	-0.16939	0.99411	-0.17039	0.864704
ENSG00000272720.1	14.50034349	-0.28775	0.998732	-0.28811	0.773261
ENSG00000137672.13	14.50113325	1.264879	1.05472	1.199256	0.230428
ENSG00000255794.9	14.5076559	2.402644	1.069314	2.246903	0.024646
ENSG00000184113.9	14.51375486	1.971374	1.364389	1.444877	0.148492
ENSG00000255595.5	14.51400555	1.93361	1.223591	1.580275	0.114044
ENSG00000183281.14	14.51872218	-1.7254	1.196753	-1.44174	0.149377
ENSG00000276966.2	14.52615615	0.809296	1.105689	0.731938	0.464206
ENSG00000259146.4	14.53059852	-1.63477	1.237169	-1.32138	0.186375
ENSG00000128596.17	14.53096729	0.263728	1.020098	0.258532	0.795996
ENSG00000269940.1	14.53181248	-0.00674	1.050927	-0.00641	0.994882
ENSG00000204860.5	14.53435929	-0.16815	1.027254	-0.16369	0.869978
ENSG00000119973.6	14.53443497	1.049739	1.050787	0.999003	0.317793
ENSG00000089820.16	14.54182446	1.329465	1.05627	1.258642	0.20816
ENSG00000265749.6	14.54285325	0.23796	0.99729	0.238607	0.811411
ENSG00000159761.15	14.5441159	-0.32931	1.015209	-0.32437	0.745656
ENSG00000240057.6	14.55078067	0.049239	1.011098	0.048698	0.96116
ENSG00000182168.15	14.55702452	1.760166	1.00481	1.751739	0.079819
ENSG00000288622.1	14.55785998	-6.0103	3.89754	-1.54207	0.123056
ENSG00000277998.1	14.56436847	5.469786	3.893377	1.404895	0.160052
ENSG00000163959.10	14.56658441	0.368513	1.005556	0.366477	0.714009
ENSG00000106066.15	14.57017202	0.03631	1.022822	0.0355	0.971681
ENSG00000272518.1	14.57232553	-0.84044	1.077942	-0.77967	0.435587
ENSG00000148204.12	14.57637717	0.813428	1.068827	0.761048	0.446629
ENSG00000167525.14	14.60112393	0.013269	1.030532	0.012876	0.989727
ENSG00000237406.1	14.62080669	-0.9636	1.072193	-0.89872	0.368802
ENSG00000213903.9	14.62346767	0.59363	0.987379	0.601218	0.547695
ENSG00000167723.15	14.62827027	0.842812	1.072618	0.785752	0.432013
ENSG00000234062.8	14.64682538	0.141473	1.090483	0.129734	0.896777

ENSG00000279652.1	14.64814659	0.683204	1.035719	0.659642	0.509484
ENSG00000267735.1	14.65675459	-0.88742	1.026208	-0.86476	0.387172
ENSG00000127364.4	14.6589544	-0.22704	1.031713	-0.22006	0.825826
ENSG00000150556.17	14.66713205	0.664494	1.057652	0.628273	0.529825
ENSG00000161381.14	14.67405492	-0.14153	1.215271	-0.11646	0.907289
ENSG00000279467.1	14.67717678	1.723055	1.166665	1.476907	0.139701
ENSG00000272368.2	14.67942399	-0.24759	0.988582	-0.25045	0.802241
ENSG00000157890.17	14.68998575	0.924644	1.040338	0.888792	0.374115
ENSG00000255439.6	14.69023125	0.107999	1.015322	0.106369	0.915289
ENSG00000164588.8	14.70289511	1.576133	1.18025	1.335424	0.181738
ENSG00000174740.8	14.71303303	-0.41104	1.014022	-0.40535	0.685218
ENSG00000066294.15	14.71401766	2.976394	1.226015	2.427698	0.015195
ENSG00000278367.1	14.71650675	-2.00679	1.164896	-1.72272	0.084939
ENSG00000274964.1	14.71891939	0.479352	1.019222	0.470311	0.638133
ENSG00000259118.5	14.72219124	-0.31155	1.012304	-0.30777	0.758261
ENSG00000279365.1	14.72337429	0.179997	1.029844	0.174781	0.861252
ENSG00000259030.7	14.7238688	0.412977	1.072581	0.385031	0.700215
ENSG00000171643.14	14.74150761	1.38408	1.02639	1.348493	0.1775
ENSG00000249740.3	14.74692983	0.057144	1.136677	0.050273	0.959905
ENSG00000164690.8	14.75195048	2.194772	1.213164	1.809131	0.070431
ENSG00000279118.1	14.75941394	0.565235	0.991942	0.569827	0.568795
ENSG00000079931.15	14.76350681	0.434569	0.992521	0.437844	0.661499
ENSG00000175311.7	14.7715806	1.928401	1.087631	1.773029	0.076224
ENSG00000284095.1	14.77518616	0.775424	1.243167	0.623749	0.532792
ENSG00000246379.8	14.78091278	1.550255	1.193425	1.298996	0.193945
ENSG00000189350.12	14.7856267	1.544724	1.007165	1.533735	0.125095
ENSG00000137434.11	14.78755864	0.094703	1.095216	0.08647	0.931093
ENSG00000280341.1	14.78952915	1.851413	1.223905	1.512709	0.130354
ENSG00000283384.1	14.78964965	2.854306	1.057921	2.698034	0.006975
ENSG00000246731.3	14.79796615	1.065036	1.003042	1.061806	0.288324
ENSG00000267449.1	14.79958033	-0.1023	1.058096	-0.09668	0.922979
ENSG00000226312.7	14.80425049	-0.41532	1.15111	-0.3608	0.718246
ENSG00000245552.7	14.80906213	0.613907	1.002842	0.612168	0.540427
ENSG00000148826.9	14.81967834	1.358214	1.138621	1.192858	0.232925
ENSG00000233695.2	14.82106769	0.499061	1.083464	0.460616	0.645074
ENSG00000225526.4	14.8211908	-1.23893	1.016002	-1.21942	0.222684
ENSG00000172482.5	14.82497209	2.578729	1.133872	2.274268	0.02295
ENSG00000272631.1	14.82639671	1.428508	1.082247	1.319947	0.186853
ENSG00000205583.13	14.8290046	-1.17375	1.103317	-1.06383	0.287404
ENSG00000139269.3	14.84123753	-0.10516	1.048736	-0.10027	0.920127
ENSG00000090104.12	14.84338786	1.706619	1.022089	1.669737	0.094972
ENSG00000282416.1	14.84421592	0.397093	0.993528	0.39968	0.689392
ENSG00000153404.14	14.84743506	1.846452	1.044205	1.768285	0.077013
ENSG00000251131.2	14.85154399	2.749364	1.280792	2.146612	0.031824
ENSG00000233912.1	14.85367486	-0.70264	1.030778	-0.68166	0.495451
ENSG00000150637.9	14.85540299	2.89705	1.21055	2.39317	0.016704
ENSG00000165695.10	14.86140281	0.404644	0.988962	0.409161	0.682422
ENSG00000236204.6	14.86185064	-1.01809	1.082578	-0.94043	0.346995
ENSG00000228549.4	14.86237408	1.846078	1.611509	1.145559	0.251978
ENSG00000169684.13	14.86696439	0.349877	0.989653	0.353535	0.723687
ENSG00000286657.1	14.87444074	-0.91225	1.103663	-0.82656	0.408485
ENSG00000272143.1	14.87522349	0.568052	1.079057	0.526433	0.598587

ENSG00000253731.3	14.87829808	1.07248	1.005079	1.067061	0.285944
ENSG00000267750.6	14.88370493	0.177113	1.063927	0.166471	0.867787
ENSG00000236816.3	14.88987714	1.137229	1.148656	0.990052	0.322149
ENSG00000253452.6	14.89825748	2.703488	1.326226	2.038483	0.041502
ENSG00000286000.1	14.90719235	-0.35152	1.036434	-0.33917	0.734485
ENSG00000184194.6	14.91180489	1.881679	1.113054	1.690555	0.090922
ENSG00000242715.8	14.92285788	0.431712	0.994389	0.434148	0.664181
ENSG00000106278.12	14.93004631	1.001787	1.361447	0.735825	0.461837
ENSG00000213999.17	14.94536766	-0.67181	1.270735	-0.52868	0.597026
ENSG00000284052.1	14.95331066	0.283794	1.05955	0.267844	0.788819
ENSG00000170469.10	14.95935821	-0.35708	0.994722	-0.35898	0.719613
ENSG00000205853.12	14.96582291	-0.15842	1.047695	-0.15121	0.879809
ENSG00000271830.1	14.96999923	-1.41226	1.149732	-1.22834	0.21932
ENSG00000164675.11	14.97358049	-0.41345	1.013353	-0.40801	0.68327
ENSG00000166105.16	14.98093084	0.49138	0.998184	0.492274	0.622526
ENSG00000128655.18	14.98393358	1.191704	1.044508	1.140924	0.253902
ENSG00000267419.2	14.98435182	-0.66223	0.987408	-0.67067	0.502429
ENSG00000274944.4	14.98883007	-0.58128	1.022321	-0.56859	0.569634
ENSG00000254413.8	14.99228382	-1.18084	1.04189	-1.13336	0.257062
ENSG00000172137.19	14.99488943	0.636039	1.036481	0.613652	0.539445
ENSG00000272701.3	15.00144342	0.809157	1.031365	0.784549	0.432718
ENSG00000171126.8	15.00384596	0.348962	0.992602	0.351563	0.725166
ENSG00000171811.14	15.00521319	0.007872	0.98111	0.008024	0.993598
ENSG00000226026.6	15.0166445	0.700871	1.090367	0.642785	0.520364
ENSG00000215910.7	15.02436109	-0.21506	0.994119	-0.21633	0.828729
ENSG00000272079.2	15.02734341	0.920533	1.102781	0.834738	0.403865
ENSG00000159871.15	15.02976935	0.752401	1.060073	0.709764	0.477851
ENSG00000254788.7	15.03363299	-0.60368	1.020489	-0.59156	0.554146
ENSG00000198064.13	15.04205413	-0.58715	0.98323	-0.59716	0.5504
ENSG00000231880.2	15.04224447	-0.34267	0.999354	-0.34289	0.731681
ENSG00000136872.20	15.04556699	0.122511	1.006753	0.121689	0.903145
ENSG00000078596.11	15.04971417	0.473966	1.022286	0.463634	0.64291
ENSG00000255145.3	15.06340778	0.051962	1.01197	0.051347	0.959049
ENSG00000143341.12	15.06706112	1.812624	1.205899	1.503131	0.132805
ENSG00000258525.2	15.07136788	-0.16963	1.018249	-0.16659	0.867692
ENSG00000233178.7	15.07285472	0.290408	0.984362	0.295021	0.767977
ENSG00000258177.1	15.07620607	-1.06471	1.010182	-1.05398	0.291893
ENSG00000255468.7	15.0788927	-1.74597	1.082563	-1.61281	0.106786
ENSG00000152467.10	15.08315979	0.752894	0.999546	0.753236	0.451308
ENSG00000178722.13	15.08416216	5.288231	1.507842	3.507153	0.000453
ENSG00000235043.3	15.08454213	0.108618	3.839778	0.028288	0.977433
ENSG00000066185.13	15.09309219	-1.53053	1.040568	-1.47086	0.141329
ENSG00000240661.3	15.0933653	0.546601	1.008562	0.541961	0.587846
ENSG00000256870.3	15.09517458	-0.85592	1.0888	-0.78611	0.431802
ENSG00000228395.2	15.11051156	-0.4322	0.981504	-0.44035	0.659685
ENSG00000135547.9	15.11131087	1.570078	1.045356	1.501955	0.133109
ENSG00000228594.4	15.11367589	0.955524	0.986247	0.968848	0.332621
ENSG00000253210.2	15.13291476	-0.7549	0.995563	-0.75826	0.448294
ENSG00000267232.1	15.13801712	0.268661	0.999039	0.268919	0.787992
ENSG00000267390.1	15.13969694	-0.39221	1.017231	-0.38556	0.699821
ENSG00000120051.15	15.14408932	0.612003	0.98577	0.620837	0.534707
ENSG00000109265.14	15.14468396	0.361388	1.000212	0.361312	0.717866

ENSG00000225449.3	15.14876396	-0.86929	1.018659	-0.85337	0.393454
ENSG00000102837.7	15.15818089	0.733785	1.055919	0.694925	0.487102
ENSG00000249684.6	15.16461355	-0.14606	0.976707	-0.14954	0.881129
ENSG00000223522.2	15.17051664	-1.1099	1.014397	-1.09415	0.273888
ENSG00000129535.13	15.1734176	-0.51019	1.000556	-0.5099	0.610119
ENSG00000277879.1	15.18541718	0.267187	0.983794	0.271588	0.785939
ENSG00000196436.8	15.18573326	0.833561	1.06242	0.784587	0.432696
ENSG00000279891.1	15.18827208	-0.30706	1.015776	-0.30229	0.762428
ENSG00000239407.5	15.19079665	-0.03055	0.991517	-0.03081	0.975417
ENSG00000047597.7	15.19104164	-0.97275	1.043445	-0.93225	0.351207
ENSG00000263126.1	15.19447134	1.42405	1.129883	1.260352	0.207543
ENSG00000215146.5	15.20104949	0.394301	0.980502	0.402142	0.68758
ENSG00000188185.13	15.20823365	0.653482	1.002668	0.651743	0.514567
ENSG00000167183.3	15.20977836	-0.31421	1.056507	-0.2974	0.76616
ENSG00000228288.7	15.21394239	-0.26361	1.016816	-0.25926	0.795438
ENSG00000227082.3	15.21860902	0.359932	1.136009	0.316839	0.751366
ENSG00000176125.6	15.21891614	0.293054	1.012936	0.289312	0.772343
ENSG00000124140.14	15.23088641	-0.24898	0.982698	-0.25336	0.799991
ENSG00000271133.5	15.23744915	0.452795	0.977184	0.463367	0.643102
ENSG00000135636.14	15.23767745	-0.52119	1.075216	-0.48473	0.627867
ENSG00000214376.6	15.23787109	0.177561	1.050337	0.169052	0.865756
ENSG00000183671.12	15.24053283	0.513626	1.076979	0.476914	0.633424
ENSG00000181284.3	15.24366469	0.312239	1.03175	0.30263	0.762172
ENSG00000274460.1	15.25679863	0.59881	1.117744	0.535731	0.592145
ENSG00000285188.1	15.26136428	-1.74248	1.1484	-1.51731	0.129188
ENSG00000237356.7	15.26571346	0.299213	1.070327	0.279553	0.77982
ENSG00000277734.8	15.27343942	-0.5256	1.169425	-0.44945	0.653104
ENSG00000196689.12	15.27908886	0.645575	0.995339	0.648598	0.516598
ENSG00000158164.7	15.28364142	-0.26283	0.994601	-0.26425	0.791584
ENSG00000287553.1	15.28415703	0.483402	0.974653	0.495974	0.619913
ENSG00000183935.5	15.28633821	2.210174	1.078767	2.048796	0.040482
ENSG00000272606.1	15.29026675	0.440172	0.980597	0.448882	0.653517
ENSG00000167680.16	15.29491811	2.395376	1.310961	1.827191	0.067671
ENSG00000205918.9	15.29632074	0.067847	1.106667	0.061307	0.951114
ENSG00000234390.4	15.2970022	-0.15304	1.017804	-0.15037	0.880476
ENSG00000076258.10	15.29781862	-0.45184	0.982172	-0.46004	0.645488
ENSG00000178773.15	15.30239795	-0.10166	1.019871	-0.09968	0.920601
ENSG00000150510.17	15.30351594	1.054801	1.044908	1.009468	0.31275
ENSG00000214870.9	15.30368662	-0.15592	0.974536	-0.15999	0.872886
ENSG00000251396.7	15.30512981	-0.81959	1.130595	-0.72492	0.468501
ENSG00000138829.12	15.30632807	1.228829	1.229916	0.999116	0.317738
ENSG00000070808.16	15.32295413	1.783257	1.071348	1.664498	0.096013
ENSG00000236548.2	15.32801237	0.925692	0.991758	0.933385	0.350621
ENSG00000241956.10	15.32931749	1.120726	1.099375	1.019421	0.308003
ENSG00000233554.6	15.33333868	-0.72166	1.000243	-0.72149	0.470611
ENSG00000237846.1	15.33625603	-0.48654	0.978513	-0.49722	0.619035
ENSG00000237505.8	15.3367026	2.94064	1.150352	2.556296	0.010579
ENSG00000233382.7	15.34224919	1.714511	0.995496	1.722268	0.085021
ENSG00000285649.1	15.34415057	-0.3072	1.018813	-0.30153	0.763011
ENSG00000250299.6	15.35136744	-0.54114	0.971774	-0.55686	0.577626
ENSG00000186231.17	15.35252342	-1.00578	1.023236	-0.98294	0.325639
ENSG00000188487.12	15.36081405	-0.93175	1.060148	-0.87889	0.379462

ENSG00000261707.1	15.36116545	0.394693	0.976039	0.404382	0.685932
ENSG00000225828.1	15.37097348	0.797762	1.068463	0.746644	0.455278
ENSG00000158825.6	15.37509451	-1.00047	1.052918	-0.95019	0.342016
ENSG00000206344.7	15.39661295	1.180178	1.099959	1.072929	0.283303
ENSG00000011332.19	15.40165001	0.895637	1.056939	0.847387	0.396779
ENSG00000242094.1	15.4054224	-0.0159	0.974468	-0.01631	0.986986
ENSG00000180089.6	15.41248829	-0.11823	1.024482	-0.1154	0.908128
ENSG00000215196.5	15.41379628	2.567626	1.175946	2.183455	0.029002
ENSG00000152766.6	15.41537501	0.036699	1.010716	0.03631	0.971035
ENSG00000203804.4	15.41657679	-1.53666	1.043429	-1.47271	0.14083
ENSG00000186094.17	15.41673649	-0.8663	1.030691	-0.84051	0.400623
ENSG00000229618.3	15.43062691	1.14645	1.216317	0.942559	0.345907
ENSG00000286496.1	15.43203893	1.628773	1.03333	1.576238	0.114971
ENSG00000255769.7	15.43290993	-0.04732	0.975676	-0.0485	0.961318
ENSG00000140678.17	15.44285499	0.428442	1.089601	0.39321	0.694164
ENSG00000206140.11	15.45394459	-0.12209	1.029224	-0.11863	0.90557
ENSG00000181652.19	15.45626015	2.622337	1.167655	2.245815	0.024716
ENSG00000204851.7	15.45631336	0.755269	0.994532	0.759421	0.447601
ENSG00000177822.8	15.45757271	1.948635	1.035956	1.881001	0.059972
ENSG00000272523.1	15.46861955	0.425143	0.99311	0.428093	0.668583
ENSG00000254122.3	15.47012728	0.000623	0.982102	0.000635	0.999494
ENSG00000196834.12	15.47328104	0.904288	1.017411	0.888813	0.374103
ENSG00000166278.15	15.48395512	0.561718	0.990471	0.567123	0.570631
ENSG00000254693.1	15.48681903	-0.77338	1.048569	-0.73756	0.460782
ENSG00000274292.1	15.49404403	0.795515	0.995645	0.798994	0.424294
ENSG00000261770.1	15.50508223	0.217453	0.98099	0.221667	0.824573
ENSG00000260285.1	15.50538796	-0.19821	1.182205	-0.16766	0.866852
ENSG00000261560.1	15.50861898	-0.06095	0.981901	-0.06207	0.950505
ENSG00000287825.1	15.51547747	-0.6939	0.984193	-0.70505	0.480781
ENSG00000182578.14	15.51656227	1.536614	1.024981	1.499163	0.133831
ENSG00000251364.7	15.52271103	0.033145	1.004014	0.033012	0.973665
ENSG00000115266.12	15.5242279	1.596857	1.112549	1.435314	0.151198
ENSG00000259891.1	15.5259801	0.541247	1.045025	0.517927	0.604509
ENSG00000082293.13	15.52613948	5.180208	1.321633	3.91955	8.87E-05
ENSG00000248538.8	15.52695591	1.277177	1.058226	1.206904	0.227469
ENSG00000136286.16	15.54110923	2.109036	1.295894	1.627475	0.103636
ENSG00000268030.1	15.54341384	0.693351	0.973273	0.712391	0.476223
ENSG00000165084.16	15.54657307	1.600874	1.061948	1.507488	0.131686
ENSG00000213889.10	15.57152207	0.367998	0.974725	0.37754	0.705772
ENSG00000099338.23	15.57521489	0.368198	0.997467	0.369133	0.712028
ENSG00000272341.1	15.58381735	0.894995	0.977963	0.915162	0.360107
ENSG00000254154.8	15.58597884	-0.87574	1.208907	-0.7244	0.468818
ENSG00000182575.8	15.59216881	3.118794	1.207074	2.583764	0.009773
ENSG00000224116.7	15.59419541	0.510649	1.022624	0.499351	0.617532
ENSG00000272970.3	15.59809527	0.478675	1.01035	0.473771	0.635663
ENSG00000269486.2	15.59952488	0.031767	0.999494	0.031783	0.974645
ENSG00000145864.14	15.60178164	1.44487	1.329879	1.086467	0.277272
ENSG00000267272.5	15.60423628	-0.16112	0.999739	-0.16116	0.871966
ENSG00000178965.14	15.60829048	1.23534	0.990311	1.247425	0.212242
ENSG00000149527.18	15.62909806	2.668289	1.109049	2.405925	0.016132
ENSG00000212864.3	15.63137348	0.969154	1.017003	0.952951	0.340615
ENSG00000081237.20	15.63310414	2.118254	1.312398	1.614033	0.10652

ENSG00000182272.12	15.63566574	2.801892	1.137799	2.462555	0.013795
ENSG00000203724.11	15.64175519	-0.54266	0.982763	-0.55218	0.580828
ENSG00000226608.3	15.64301888	-0.30644	0.982956	-0.31175	0.75523
ENSG00000288075.1	15.65076633	0.313869	0.995835	0.315181	0.752624
ENSG00000244239.1	15.65314271	-0.6336	0.978775	-0.64734	0.517411
ENSG00000184347.15	15.65419234	1.006294	0.979377	1.027483	0.304193
ENSG00000036530.9	15.66034964	-0.37419	1.00149	-0.37363	0.708679
ENSG00000224729.6	15.69197981	0.762314	1.009101	0.755439	0.449986
ENSG00000198691.13	15.70191415	1.758022	1.102455	1.594643	0.110792
ENSG00000215483.11	15.70314546	1.413693	1.128739	1.252453	0.210405
ENSG00000124466.9	15.70436108	0.070785	1.028898	0.068797	0.945151
ENSG00000275793.1	15.70489402	0.493924	3.106535	0.158995	0.873673
ENSG00000286048.1	15.70839895	0.500518	0.988396	0.506394	0.61258
ENSG00000203812.2	15.71193872	1.692692	3.954541	0.428038	0.668624
ENSG00000270882.2	15.71259642	-3.68426	1.542389	-2.38867	0.016909
ENSG00000236886.2	15.72110787	0.328334	1.026483	0.319863	0.749072
ENSG00000278948.1	15.72418218	0.204724	0.96705	0.2117	0.832341
ENSG00000256001.2	15.73092268	0.686136	1.050506	0.653148	0.513661
ENSG00000204758.8	15.73127292	0.156022	1.033016	0.151035	0.879948
ENSG00000256092.2	15.73249828	0.37388	0.975401	0.383309	0.701491
ENSG00000233183.3	15.75721354	1.654195	1.233234	1.341347	0.179808
ENSG00000261008.7	15.76513293	1.294204	1.128669	1.146664	0.25152
ENSG00000198797.7	15.77057124	0.142183	0.960135	0.148087	0.882274
ENSG00000183117.19	15.77413191	3.374188	1.3136	2.568657	0.010209
ENSG00000253327.2	15.78115211	-0.88135	0.996907	-0.88409	0.37665
ENSG00000260630.7	15.79568773	0.446556	1.076563	0.414798	0.67829
ENSG00000261064.1	15.79692521	-0.54999	0.962693	-0.57131	0.567792
ENSG00000196381.11	15.80258305	0.533046	0.969113	0.550035	0.582295
ENSG00000232811.1	15.80624429	-0.2513	0.96117	-0.26146	0.793742
ENSG00000108825.18	15.80818262	-1.328	1.030612	-1.28855	0.197553
ENSG00000240591.2	15.81058875	0.12164	1.021851	0.119039	0.905245
ENSG00000179148.10	15.81316838	1.255671	0.983401	1.276866	0.20165
ENSG00000176244.7	15.83323372	1.505969	1.027865	1.465144	0.142882
ENSG00000268713.1	15.83645687	1.870334	3.800053	0.492186	0.622588
ENSG00000268107.6	15.83920795	-0.15641	1.180461	-0.1325	0.894587
ENSG00000276337.1	15.85515276	0.317809	0.965017	0.32933	0.741906
ENSG00000180287.17	15.85788493	-0.29826	0.954425	-0.3125	0.754657
ENSG00000124915.10	15.86490968	0.837481	0.977727	0.856559	0.391689
ENSG00000286431.1	15.87139438	0.080535	0.972484	0.082813	0.934
ENSG00000231551.8	15.87162164	-0.74571	0.972353	-0.76691	0.443136
ENSG00000187867.10	15.87742613	-0.16323	1.003698	-0.16263	0.870811
ENSG00000227486.2	15.88878979	0.730404	0.965816	0.756256	0.449496
ENSG00000247416.4	15.8944664	0.90971	0.997652	0.911852	0.361847
ENSG00000154451.14	15.89668901	4.051021	1.406755	2.879691	0.003981
ENSG00000251537.4	15.90184469	-1.08988	1.09363	-0.99657	0.318973
ENSG00000105492.16	15.90408379	4.394089	1.523294	2.884596	0.003919
ENSG00000181322.15	15.90513793	0.57834	0.985274	0.586984	0.557215
ENSG00000269189.1	15.90832097	-1.30242	1.121918	-1.16088	0.245689
ENSG00000124249.7	15.9132011	0.937291	1.007972	0.929879	0.352434
ENSG00000280330.1	15.91932148	-0.50814	0.974606	-0.52137	0.602106
ENSG00000164398.15	15.92045632	1.069529	1.153282	0.927379	0.35373
ENSG00000214353.8	15.92943256	0.881368	1.07582	0.819252	0.412643

ENSG00000204929.13	15.9295837	0.100671	1.044672	0.096366	0.92323
ENSG00000102043.16	15.93328119	-0.11688	1.084692	-0.10776	0.914188
ENSG00000265188.1	15.93978786	-0.43231	0.97944	-0.44138	0.658934
ENSG00000235142.10	15.94202715	0.877102	0.980116	0.894897	0.370842
ENSG00000240137.6	15.96462069	-1.14787	1.023638	-1.12136	0.262134
ENSG00000224924.7	15.96466545	3.113759	1.218952	2.554456	0.010635
ENSG00000205946.1	15.96931384	2.825923	1.542225	1.832368	0.066897
ENSG00000238113.7	15.97827128	1.416358	1.115718	1.269458	0.204278
ENSG00000267512.1	15.98066594	1.089301	0.963709	1.130322	0.258341
ENSG00000204778.4	15.98264868	-1.08175	1.414561	-0.76472	0.444436
ENSG00000198125.13	15.99145071	-0.37203	1.062254	-0.35023	0.72617
ENSG00000279649.1	16.00029032	0.30832	0.999486	0.308478	0.757718
ENSG00000226232.8	16.000733	-0.79277	0.980742	-0.80833	0.418899
ENSG00000259366.1	16.00458069	-0.74874	0.977058	-0.76632	0.443486
ENSG00000060558.4	16.01804391	-0.16658	1.054689	-0.15794	0.874503
ENSG00000225975.7	16.02461813	0.755637	1.057058	0.714849	0.474702
ENSG00000171084.15	16.02757669	-0.40578	0.982711	-0.41292	0.679667
ENSG00000270959.1	16.03855061	0.168158	0.994707	0.169053	0.865755
ENSG00000255284.2	16.0421726	0.483336	0.95837	0.504332	0.614028
ENSG00000172399.6	16.04304064	0.223466	1.041973	0.214464	0.830185
ENSG00000099994.11	16.04529335	0.735058	1.167311	0.629702	0.52889
ENSG00000121853.4	16.05105628	-0.40286	0.980211	-0.41099	0.68108
ENSG00000166546.14	16.05397558	1.796079	1.008993	1.780072	0.075064
ENSG00000228672.4	16.0588012	1.055463	1.003287	1.052005	0.292797
ENSG00000260691.6	16.06215113	0.117404	0.985694	0.119108	0.90519
ENSG00000272630.1	16.07591743	0.117829	1.004093	0.117349	0.906584
ENSG00000174564.13	16.08370378	-0.88402	1.141519	-0.77442	0.438683
ENSG00000139352.4	16.10218748	-0.55886	1.015718	-0.55021	0.582173
ENSG00000274922.1	16.10874898	0.985664	1.014722	0.971364	0.331367
ENSG00000167612.13	16.11040105	0.173584	1.015372	0.170956	0.864258
ENSG00000230795.3	16.11358901	1.087308	0.972208	1.118391	0.2634
ENSG00000286721.1	16.1144641	-0.38043	1.031372	-0.36886	0.712231
ENSG00000259529.2	16.12155279	1.150261	1.024255	1.123022	0.261428
ENSG00000270641.1	16.12183725	1.074668	1.094323	0.982039	0.326081
ENSG00000262211.1	16.12911022	-0.77781	1.054848	-0.73736	0.460902
ENSG00000151834.16	16.13049238	2.008323	1.080609	1.858509	0.063097
ENSG00000179362.14	16.14543982	0.693341	0.971358	0.713786	0.47536
ENSG00000260233.3	16.1457658	-0.19517	0.982422	-0.19866	0.842529
ENSG00000145506.14	16.14876922	0.459459	1.017812	0.451419	0.651688
ENSG00000288044.1	16.15509051	0.366572	0.966165	0.379409	0.704384
ENSG00000162643.13	16.15589663	0.074649	0.995002	0.075024	0.940195
ENSG00000160973.8	16.16409169	1.145125	0.965534	1.186003	0.235621
ENSG00000124302.13	16.16678031	0.380603	1.034228	0.368007	0.712868
ENSG00000169856.9	16.17469781	0.752732	1.007727	0.74696	0.455088
ENSG00000176695.8	16.17846249	0.718676	1.190706	0.603571	0.546129
ENSG00000138650.9	16.18059397	0.201357	0.962628	0.209174	0.834312
ENSG00000143858.12	16.18203858	0.148018	1.110828	0.13325	0.893996
ENSG00000286105.1	16.18295247	3.918303	1.357867	2.885632	0.003906
ENSG00000237840.6	16.18512681	0.935068	1.091275	0.856859	0.391523
ENSG00000215302.8	16.19402336	0.601956	0.964075	0.624387	0.532374
ENSG00000251079.6	16.19655191	-0.14167	1.021406	-0.13871	0.889683
ENSG00000232079.7	16.19985757	1.073141	1.189486	0.902189	0.366957

ENSG00000250714.3	16.20057756	-0.21799	1.160971	-0.18776	0.851062
ENSG00000038945.15	16.20443006	1.341807	1.400387	0.958168	0.337978
ENSG00000090932.11	16.21128753	0.876588	0.99072	0.884799	0.376265
ENSG00000283239.1	16.21371702	-7.48891	3.847762	-1.9463	0.051618
ENSG00000119121.22	16.22074977	1.318485	0.956201	1.37888	0.167932
ENSG00000267755.1	16.23126823	0.12401	1.067308	0.11619	0.907502
ENSG00000110799.14	16.24086388	0.930603	1.056498	0.880837	0.378406
ENSG00000280011.1	16.24738857	2.818734	1.227206	2.296872	0.021626
ENSG00000205940.8	16.25759092	0.439575	1.038666	0.423211	0.672141
ENSG00000230533.4	16.26025336	0.075389	0.996177	0.075678	0.939675
ENSG00000231871.5	16.26342793	0.97316	0.955587	1.01839	0.308493
ENSG00000228843.2	16.27221257	1.104929	0.986629	1.119903	0.262755
ENSG00000160886.13	16.27652488	1.019988	1.029557	0.990706	0.321829
ENSG00000196081.10	16.2797747	0.762886	1.033047	0.738481	0.460222
ENSG00000224271.7	16.28143148	2.551031	1.164613	2.190453	0.028491
ENSG00000260805.2	16.29272874	0.891715	0.98973	0.900968	0.367605
ENSG00000165731.20	16.31908811	0.822789	0.987689	0.833045	0.404819
ENSG00000107282.8	16.3198172	0.412093	0.947198	0.435065	0.663515
ENSG00000254531.1	16.32145254	0.260827	0.948925	0.274866	0.78342
ENSG00000007933.13	16.32453319	0.646558	0.98336	0.657499	0.51086
ENSG00000186417.14	16.33571227	3.73445	1.272969	2.933653	0.00335
ENSG00000261189.1	16.33579988	0.117949	0.956653	0.123294	0.901875
ENSG00000187229.3	16.35877043	-0.60747	0.972593	-0.62459	0.532243
ENSG00000271869.1	16.36093895	0.760717	0.980735	0.77566	0.43795
ENSG00000286136.2	16.36337672	-0.252	0.978002	-0.25766	0.796666
ENSG00000240875.6	16.36878912	0.074377	0.973355	0.076413	0.93909
ENSG00000163220.11	16.37060691	-0.97208	1.083848	-0.89688	0.369782
ENSG00000114948.13	16.37378511	0.13827	1.001856	0.138014	0.89023
ENSG00000119737.6	16.38068927	-0.06289	0.969163	-0.0649	0.948257
ENSG00000226706.1	16.38343112	-0.19441	0.957158	-0.20312	0.839045
ENSG00000210135.1	16.38381288	0.608312	1.096903	0.554572	0.579187
ENSG00000137474.22	16.38612757	1.116887	1.013236	1.102297	0.270333
ENSG00000117016.10	16.39381079	0.419997	1.043356	0.402545	0.687283
ENSG00000153294.12	16.39507719	0.389372	0.986486	0.394706	0.69306
ENSG00000046889.19	16.40057342	1.426409	1.051484	1.356567	0.174919
ENSG00000228436.3	16.40434034	0.160945	0.949712	0.169467	0.865429
ENSG00000273253.2	16.41427785	-0.47844	0.952919	-0.50208	0.615609
ENSG00000236107.10	16.41705211	0.35705	0.983971	0.362867	0.716704
ENSG00000269987.1	16.42447602	0.799561	0.996789	0.802137	0.422474
ENSG00000131730.16	16.44510419	0.108176	1.01036	0.107067	0.914736
ENSG00000182742.6	16.44601164	1.517422	1.123171	1.351016	0.17669
ENSG00000238000.1	16.45225303	-0.01854	0.988074	-0.01877	0.985028
ENSG00000227946.1	16.45315875	0.438813	0.942096	0.465784	0.64137
ENSG00000272812.1	16.45412205	0.019891	0.971054	0.020484	0.983658
ENSG00000285458.1	16.47022695	0.251609	0.976418	0.257686	0.796649
ENSG00000287126.1	16.47162366	1.221525	1.125706	1.085119	0.277869
ENSG00000279337.1	16.47171892	3.139556	1.128708	2.781548	0.00541
ENSG00000162631.18	16.47688043	1.032234	1.031102	1.001098	0.316779
ENSG00000141854.9	16.48108935	0.868691	0.986301	0.880756	0.37845
ENSG00000142224.16	16.48400604	1.29713	1.095423	1.184136	0.236359
ENSG00000183317.17	16.48554516	1.666314	1.01879	1.635581	0.101927
ENSG00000136688.11	16.48773707	1.447239	1.13983	1.269698	0.204192

ENSG00000235568.7	16.49029101	0.289934	0.976612	0.296878	0.76656
ENSG00000233355.7	16.49067622	0.272967	1.012187	0.269681	0.787406
ENSG00000122386.11	16.49234923	1.102081	0.978239	1.126597	0.259913
ENSG00000171044.11	16.49322859	-0.00694	0.951257	-0.0073	0.994179
ENSG00000168993.15	16.49616676	1.223072	0.982351	1.245046	0.213115
ENSG00000175643.10	16.49691998	2.608497	1.143449	2.281253	0.022533
ENSG00000287132.1	16.50564998	0.111345	0.940604	0.118376	0.905769
ENSG00000273729.1	16.51197962	0.832846	0.964406	0.863584	0.387816
ENSG00000227706.4	16.5158852	0.713961	1.051654	0.678893	0.497206
ENSG00000198576.4	16.52027488	1.883584	0.969786	1.942269	0.052105
ENSG00000108018.15	16.52095075	1.889022	0.989274	1.909504	0.056197
ENSG00000160207.9	16.52219314	0.127899	0.980142	0.13049	0.896178
ENSG00000232229.6	16.52323591	1.261021	1.037181	1.215815	0.224055
ENSG00000272666.1	16.53573695	-0.4947	1.002148	-0.49364	0.621561
ENSG00000261220.2	16.53832366	1.504826	1.006706	1.494802	0.134966
ENSG00000135697.10	16.54357401	0.326962	0.953403	0.342942	0.731642
ENSG00000161664.7	16.55652533	0.344325	0.950594	0.362221	0.717187
ENSG00000272141.1	16.56146538	1.817494	0.998075	1.821	0.068607
ENSG00000284606.1	16.57449667	-1.09652	1.048837	-1.04547	0.295807
ENSG00000205683.11	16.5865886	1.082855	1.011099	1.070968	0.284184
ENSG00000228022.6	16.58792165	-0.19074	0.952807	-0.20019	0.841332
ENSG00000224536.2	16.5969433	0.739139	0.947354	0.780215	0.435264
ENSG00000197483.10	16.60163482	1.456681	1.055477	1.380117	0.167551
ENSG00000273274.2	16.60934682	1.774895	1.061407	1.672211	0.094483
ENSG00000105048.17	16.61238934	0.6419	1.092052	0.587792	0.556672
ENSG00000237188.5	16.61248166	0.613731	0.977587	0.627802	0.530134
ENSG00000137463.5	16.61249602	-0.31355	1.201895	-0.26088	0.794184
ENSG00000267077.1	16.61500512	0.496183	0.95818	0.51784	0.60457
ENSG00000245685.7	16.61741418	1.344231	1.082395	1.241905	0.214272
ENSG00000143847.15	16.63423306	1.342262	1.061112	1.264958	0.205886
ENSG00000249593.6	16.63709563	-0.33051	0.939889	-0.35165	0.725099
ENSG00000266200.6	16.64163585	0.158579	1.173083	0.135181	0.892468
ENSG00000135144.7	16.64645791	0.169778	0.944363	0.179781	0.857325
ENSG00000136881.12	16.65471172	0.806616	1.091154	0.739232	0.459766
ENSG00000070601.10	16.65810191	1.125762	1.067309	1.054767	0.291532
ENSG00000111728.10	16.66295257	-0.19833	1.048102	-0.18922	0.849917
ENSG00000276517.1	16.6713891	-0.03788	1.125765	-0.03365	0.97316
ENSG00000179023.8	16.67258799	0.541276	1.082139	0.500191	0.61694
ENSG00000158402.20	16.67632043	0.065595	0.952676	0.068853	0.945107
ENSG00000255823.5	16.68867028	0.315851	1.042325	0.303025	0.761871
ENSG00000261093.1	16.69310427	0.524593	0.937686	0.559455	0.575851
ENSG00000273261.1	16.69896034	0.436168	0.952805	0.457772	0.647116
ENSG00000179869.15	16.7003361	-0.31843	1.182352	-0.26932	0.787682
ENSG00000167207.13	16.71232921	0.517188	1.004276	0.514986	0.606563
ENSG00000260924.2	16.72063983	0.279993	1.065252	0.262842	0.792673
ENSG00000178821.13	16.72751897	-0.55086	1.24451	-0.44264	0.658029
ENSG00000241945.8	16.73260874	-0.02116	1.089353	-0.01943	0.9845
ENSG00000231991.4	16.74402843	0.459904	0.955025	0.481563	0.630117
ENSG00000287624.1	16.7451906	-0.04643	0.93616	-0.04959	0.960446
ENSG00000151079.7	16.75399632	1.221543	1.122228	1.088498	0.276375
ENSG00000242759.8	16.7625036	-0.38741	1.049982	-0.36896	0.712154
ENSG00000198915.12	16.76518147	-0.16488	0.930426	-0.17721	0.859341

ENSG00000215784.6	16.76949983	0.536198	0.980951	0.54661	0.584647
ENSG00000174844.14	16.77428901	-1.33657	0.979533	-1.3645	0.17241
ENSG00000163093.12	16.78554318	-0.26998	0.950188	-0.28413	0.77631
ENSG00000272030.1	16.78849649	0.099669	1.006404	0.099035	0.92111
ENSG00000151006.7	16.80572497	0.81792	1.054189	0.775876	0.437822
ENSG00000134955.12	16.80635151	0.440292	1.02543	0.429373	0.667652
ENSG00000075461.6	16.80840659	1.313609	0.967893	1.357184	0.174723
ENSG00000279227.1	16.81131103	-0.26218	0.963199	-0.27219	0.785472
ENSG00000256056.1	16.81168959	0.004559	0.96463	0.004726	0.996229
ENSG00000241644.2	16.81717466	1.614184	0.945736	1.706803	0.087859
ENSG00000240476.1	16.81757309	1.472184	1.072462	1.372714	0.169841
ENSG00000198795.11	16.8387747	1.213245	1.011471	1.199486	0.230339
ENSG00000267838.2	16.84741299	-0.27756	0.945519	-0.29355	0.769103
ENSG00000170190.16	16.85403709	-0.50985	0.966816	-0.52735	0.597949
ENSG00000005471.18	16.86424252	0.824473	0.938348	0.878643	0.379595
ENSG00000164488.12	16.86507956	1.222948	0.990813	1.234287	0.217096
ENSG00000152583.12	16.86605848	0.005383	0.942052	0.005714	0.995441
ENSG00000233974.3	16.87807714	0.3604	0.961573	0.374802	0.707808
ENSG00000259071.1	16.88141436	0.015422	0.946125	0.0163	0.986995
ENSG00000101695.9	16.8820096	-0.01606	1.011872	-0.01587	0.987336
ENSG00000279119.1	16.88640312	-0.14826	1.196742	-0.12389	0.901404
ENSG00000170011.14	16.88773248	-0.85449	0.940419	-0.90862	0.363549
ENSG00000287576.1	16.89614067	0.162885	0.956342	0.170321	0.864758
ENSG00000237686.7	16.90007296	1.800946	1.007195	1.788081	0.073763
ENSG00000261071.1	16.91144188	0.094338	0.963151	0.097947	0.921974
ENSG00000077943.8	16.92303112	0.778339	1.073007	0.725381	0.468218
ENSG00000102032.13	16.92531224	0.355816	0.943481	0.377131	0.706076
ENSG00000186007.10	16.92632433	-0.37076	1.257449	-0.29485	0.768105
ENSG00000232611.1	16.93118544	0.374274	0.949753	0.394075	0.693526
ENSG00000118004.18	16.93194233	0.434403	0.977868	0.444235	0.656873
ENSG00000099866.15	16.93914514	0.347916	1.093296	0.318227	0.750313
ENSG00000197410.14	16.93956393	1.599132	1.235907	1.293893	0.195702
ENSG00000150471.16	16.94506388	2.650483	1.357694	1.952195	0.050915
ENSG00000259994.1	16.95489778	-0.12297	0.947964	-0.12972	0.896788
ENSG00000186615.11	16.96913575	0.345128	1.008814	0.342113	0.732266
ENSG00000237950.3	16.9708424	0.896468	0.952017	0.941652	0.346371
ENSG00000005379.17	16.97819132	0.315477	0.993269	0.317615	0.750777
ENSG00000149534.9	16.9848032	2.204279	1.402674	1.571483	0.11607
ENSG00000138606.19	16.99136069	1.734037	0.961063	1.804291	0.071186
ENSG00000227906.8	16.99331126	-0.51403	0.960823	-0.53499	0.592659
ENSG00000176387.7	16.99742781	-0.29248	1.014052	-0.28842	0.773022
ENSG00000176435.7	17.00261535	0.971039	1.120597	0.866537	0.386196
ENSG00000286623.1	17.00553008	-0.30632	0.942579	-0.32498	0.745196
ENSG00000229273.1	17.01558069	-0.22047	0.984297	-0.22398	0.82277
ENSG00000223573.7	17.02294231	1.50993	1.059427	1.425233	0.15409
ENSG00000255629.1	17.02498569	0.302686	0.94803	0.319279	0.749515
ENSG00000170276.6	17.0293391	1.338636	1.17516	1.139109	0.254658
ENSG00000132932.17	17.03065308	0.0941	1.002797	0.093837	0.925238
ENSG00000258311.5	17.05189381	0.945954	0.976303	0.968915	0.332588
ENSG00000274421.1	17.07748988	0.426297	0.957362	0.445283	0.656115
ENSG00000138622.4	17.07905336	1.131642	0.961615	1.176814	0.23927
ENSG00000234773.7	17.08396471	-0.08803	0.957461	-0.09194	0.926743

ENSG00000280088.1	17.08566934	-0.36293	0.936395	-0.38759	0.698322
ENSG00000158125.10	17.08583608	1.88992	1.022058	1.849131	0.064439
ENSG00000102048.16	17.08910742	-0.20342	0.970894	-0.20952	0.834044
ENSG00000110057.8	17.09940225	0.285696	1.004146	0.284516	0.776015
ENSG00000287271.1	17.09991528	0.500615	0.939603	0.532794	0.594176
ENSG00000259522.3	17.10391415	1.10643	3.221487	0.343453	0.731257
ENSG00000279442.1	17.11038377	3.448621	1.291855	2.669512	0.007596
ENSG00000174576.10	17.12026737	0.425786	1.008427	0.422228	0.672859
ENSG00000100302.7	17.1245987	0.842773	0.986862	0.853992	0.393109
ENSG00000288531.1	17.14303287	0.30344	0.987435	0.307301	0.758614
ENSG00000257335.8	17.1501103	2.86695	1.117968	2.56443	0.010335
ENSG00000223756.7	17.1525807	0.977672	1.05298	0.928481	0.353158
ENSG00000286891.1	17.15837151	2.484246	1.146699	2.166432	0.030278
ENSG00000280355.1	17.16852499	-0.72715	0.968587	-0.75073	0.452815
ENSG00000140873.16	17.17150613	-0.49091	0.965446	-0.50848	0.611118
ENSG00000265399.1	17.17216513	-0.42809	0.952347	-0.44951	0.653062
ENSG00000240771.8	17.17739132	0.270606	0.962816	0.281056	0.778667
ENSG00000137273.6	17.18770307	1.155296	1.062661	1.087173	0.27696
ENSG00000126353.3	17.20801503	0.927311	1.208939	0.767045	0.443055
ENSG00000162711.18	17.21044742	0.921365	1.126953	0.817572	0.413602
ENSG00000204706.14	17.21619051	0.446048	1.031983	0.432224	0.665579
ENSG00000259349.2	17.22286195	0.539826	1.025379	0.526464	0.598566
ENSG00000262454.4	17.22384472	-0.2993	1.045343	-0.28632	0.774636
ENSG00000282772.1	17.22437938	-0.0523	0.935148	-0.05592	0.955403
ENSG00000159247.13	17.22827913	0.529801	0.935105	0.566568	0.571008
ENSG00000117983.17	17.23075231	-2.04307	3.329861	-0.61356	0.539506
ENSG00000255517.6	17.23083574	0.341795	0.948556	0.360331	0.718599
ENSG00000178522.14	17.24641945	1.633537	1.138007	1.435437	0.151163
ENSG00000271335.6	17.24967343	0.832696	0.938973	0.886816	0.375178
ENSG00000168229.4	17.25089514	0.183641	1.042466	0.17616	0.860168
ENSG00000135740.17	17.25106089	-0.56902	0.955928	-0.59525	0.551675
ENSG00000271730.1	17.25585168	-0.6888	0.940171	-0.73263	0.463785
ENSG00000243679.1	17.25632448	0.062309	0.940682	0.066238	0.947188
ENSG00000159496.14	17.25753756	1.114351	1.049698	1.061591	0.288421
ENSG00000132000.13	17.25875105	-0.72094	1.077449	-0.66912	0.50342
ENSG00000273507.5	17.26314953	0.511082	0.999288	0.511446	0.609039
ENSG00000249731.1	17.26599651	1.28222	1.057833	1.21212	0.225467
ENSG00000122025.15	17.26859187	-1.23895	1.130577	-1.09586	0.273141
ENSG00000165874.13	17.27512251	1.020661	1.121878	0.909779	0.362939
ENSG00000271270.7	17.27528655	-0.71277	0.93871	-0.75931	0.447668
ENSG00000257298.1	17.27746818	0.848768	0.961294	0.882943	0.377267
ENSG00000246250.3	17.28241903	0.264456	0.934616	0.282957	0.77721
ENSG00000248994.2	17.28280743	1.626571	1.112628	1.461919	0.143763
ENSG00000146352.13	17.28762227	0.184951	1.328762	0.13919	0.8893
ENSG00000254762.1	17.29898713	-0.07313	0.932305	-0.07844	0.937477
ENSG00000257524.6	17.30080991	3.20587	1.176594	2.724704	0.006436
ENSG00000272990.1	17.30233551	1.12951	1.026862	1.099963	0.271348
ENSG00000121905.10	17.30352237	0.387419	0.963137	0.402247	0.687502
ENSG00000258064.1	17.3107944	-1.888	1.109806	-1.7012	0.088906
ENSG00000198049.7	17.31707291	0.760797	1.000577	0.760358	0.44704
ENSG00000224165.6	17.31832697	-0.34783	0.979881	-0.35498	0.722608
ENSG00000023892.11	17.32331163	1.140702	0.943682	1.208777	0.226748

ENSG00000160051.12	17.32491622	-0.32948	0.923406	-0.35681	0.721233
ENSG00000080709.16	17.32990166	0.282325	0.973368	0.290049	0.771779
ENSG00000150873.12	17.33288172	1.867711	1.04106	1.794048	0.072806
ENSG00000140451.13	17.34631446	0.878477	1.018983	0.862111	0.388627
ENSG00000276278.1	17.34639575	-0.60578	0.92563	-0.65445	0.512819
ENSG00000204065.3	17.34984317	0.110393	0.988143	0.111717	0.911047
ENSG00000232527.8	17.35778901	-0.36057	1.058032	-0.34079	0.733261
ENSG00000266947.1	17.35984349	0.140934	0.920844	0.153049	0.87836
ENSG00000273382.1	17.36098963	-0.21643	0.924694	-0.23406	0.814939
ENSG00000154065.17	17.36970118	-0.287	0.978667	-0.29326	0.769323
ENSG00000233783.8	17.37622923	-0.38519	0.998811	-0.38565	0.699757
ENSG00000188906.16	17.37676409	1.434664	0.936288	1.532289	0.125451
ENSG00000229227.8	17.37881486	-0.14722	0.931717	-0.15801	0.874446
ENSG00000139351.15	17.37931679	-0.099	0.92308	-0.10725	0.914588
ENSG00000065618.21	17.38344247	2.81165	1.132354	2.483014	0.013028
ENSG00000197083.11	17.38706003	-0.94285	0.954248	-0.98806	0.323123
ENSG00000260288.4	17.38999072	1.112435	1.075907	1.033951	0.301159
ENSG00000198785.7	17.40275869	0.715644	1.047742	0.683034	0.494585
ENSG00000188610.12	17.41623071	0.142642	0.926559	0.153948	0.877651
ENSG00000142677.4	17.42479693	-0.14042	1.05492	-0.13311	0.894109
ENSG00000276107.1	17.4275516	0.337206	0.982124	0.343344	0.73134
ENSG00000204963.6	17.43051153	0.261834	0.981562	0.266752	0.78966
ENSG00000227954.7	17.43606804	0.45285	0.979006	0.462561	0.643679
ENSG00000163751.4	17.44299747	0.914239	1.101525	0.829976	0.406553
ENSG00000249550.7	17.44561089	2.172897	1.245166	1.745066	0.080973
ENSG00000174236.4	17.45177422	-0.19555	0.977872	-0.19998	0.841496
ENSG00000179978.11	17.45409967	-2.37141	1.139304	-2.08146	0.037392
ENSG00000217648.1	17.45458295	-0.15573	0.935254	-0.16651	0.867759
ENSG00000268584.1	17.46342353	-0.08194	0.994353	-0.08241	0.934323
ENSG00000224093.5	17.46679384	-0.77306	0.948208	-0.81529	0.414908
ENSG00000183066.14	17.46845879	0.572793	0.942557	0.607701	0.543386
ENSG00000137392.10	17.47357129	2.01997	1.220653	1.654827	0.09796
ENSG00000164764.11	17.47414547	0.004449	0.936147	0.004753	0.996208
ENSG00000221916.4	17.49188231	-1.06307	1.037014	-1.02512	0.305306
ENSG00000187323.12	17.49915485	2.258067	1.026141	2.200542	0.027768
ENSG00000229236.3	17.4994254	0.646899	1.055749	0.61274	0.540049
ENSG00000171045.16	17.49944698	0.085001	0.926454	0.091749	0.926898
ENSG00000105784.15	17.52568573	0.37611	0.935913	0.401864	0.687784
ENSG00000261777.6	17.5298885	-0.87482	0.966312	-0.90532	0.365296
ENSG00000227409.1	17.53324319	-0.44343	0.958979	-0.4624	0.643792
ENSG00000121211.8	17.54117264	-0.35485	1.072494	-0.33087	0.740744
ENSG00000236883.1	17.54310912	0.450319	0.940936	0.478586	0.632233
ENSG00000278983.1	17.55000111	0.617934	0.951918	0.649146	0.516244
ENSG00000277501.1	17.55633727	1.028636	0.981697	1.047814	0.294725
ENSG00000115423.19	17.55771785	0.697993	1.161428	0.600979	0.547854
ENSG00000285996.1	17.56033837	-0.0318	0.922804	-0.03446	0.972511
ENSG00000285103.2	17.56160179	0.145137	0.914749	0.158663	0.873934
ENSG00000136895.19	17.56233728	0.611949	0.951885	0.642882	0.520301
ENSG00000122824.11	17.56666693	0.972522	0.988206	0.984129	0.325052
ENSG00000260459.2	17.5669691	-0.73242	0.931675	-0.78613	0.431793
ENSG00000220583.1	17.56983636	-0.8682	0.97114	-0.894	0.371323
ENSG00000236540.7	17.57885742	0.672412	0.924081	0.727655	0.466825

ENSG00000228956.8	17.5823967	1.245418	1.049641	1.186518	0.235418
ENSG00000246100.4	17.59187979	0.226106	1.010297	0.223801	0.822912
ENSG00000287769.1	17.59195069	-0.14098	0.922488	-0.15283	0.878535
ENSG00000187260.16	17.5959977	0.096865	0.982607	0.09858	0.921472
ENSG00000267026.5	17.59901512	0.171039	0.941437	0.181679	0.855835
ENSG00000085552.17	17.6016971	1.016245	1.009259	1.006922	0.313972
ENSG00000259834.1	17.61078461	2.88479	1.126647	2.560509	0.010452
ENSG00000177025.3	17.61142026	-0.00232	0.952295	-0.00244	0.998055
ENSG00000280213.1	17.61345654	0.886862	0.977611	0.907172	0.364316
ENSG00000267481.1	17.61613167	-0.3076	0.998424	-0.30808	0.758019
ENSG00000167077.13	17.61654452	-0.16494	0.931754	-0.17702	0.859489
ENSG00000182580.3	17.61738242	1.165552	1.038393	1.122458	0.261668
ENSG00000228393.4	17.62291189	0.069244	0.970637	0.071338	0.943129
ENSG00000210194.1	17.62938578	2.210401	1.112141	1.98752	0.046865
ENSG00000186212.4	17.63030749	1.253676	0.947614	1.322982	0.185841
ENSG00000233251.8	17.63421015	1.16696	1.027153	1.136111	0.25591
ENSG00000286746.1	17.63574733	1.008534	1.094154	0.921747	0.35666
ENSG00000273784.4	17.64753663	-0.89198	0.944318	-0.94458	0.344875
ENSG00000235314.1	17.66068082	0.351396	0.914719	0.384158	0.700862
ENSG00000102524.11	17.66128857	0.21689	1.04872	0.206814	0.836155
ENSG00000112319.19	17.66449356	0.128012	0.939388	0.136272	0.891606
ENSG00000183785.15	17.66816542	-0.85674	1.152818	-0.74317	0.457379
ENSG00000026036.22	17.67386832	1.779849	0.987967	1.801527	0.07162
ENSG00000276203.5	17.67454533	1.104806	1.070732	1.031824	0.302155
ENSG00000282033.1	17.67550404	0.618397	0.932741	0.662989	0.507338
ENSG00000268173.3	17.67561014	8.025052	3.84793	2.08555	0.037019
ENSG00000082497.12	17.69375794	1.003687	0.952831	1.053373	0.29217
ENSG00000169594.13	17.6974044	0.584072	1.089929	0.535881	0.592041
ENSG00000260404.3	17.69792658	-3.53218	1.092295	-3.23372	0.001222
ENSG00000173013.6	17.70347015	1.02549	0.969134	1.058151	0.289987
ENSG00000160180.15	17.70500214	-0.13006	0.958639	-0.13568	0.892077
ENSG00000008277.14	17.7124822	0.682727	0.995333	0.685928	0.492758
ENSG00000249884.8	17.71375515	0.962929	1.00714	0.956102	0.339021
ENSG00000171889.5	17.73032825	0.20057	0.946931	0.21181	0.832255
ENSG00000035499.13	17.73222752	0.717838	0.921876	0.778671	0.436174
ENSG00000285667.1	17.73410032	0.271469	0.91864	0.295511	0.767603
ENSG00000279377.1	17.74430144	2.156152	1.199575	1.79743	0.072267
ENSG00000165269.13	17.74439624	0.636833	1.012726	0.62883	0.52946
ENSG00000169509.6	17.74764015	-1.49242	1.230278	-1.21308	0.2251
ENSG00000154162.15	17.76581	3.420687	1.241365	2.755585	0.005859
ENSG00000260853.2	17.76878705	1.786284	0.98978	1.804728	0.071117
ENSG00000181215.15	17.77073384	0.681526	1.100269	0.619418	0.535641
ENSG00000255389.1	17.77426655	-0.34522	0.931914	-0.37045	0.71105
ENSG00000107165.13	17.77849374	-0.04746	0.932946	-0.05087	0.959426
ENSG00000272462.3	17.77959166	0.983204	0.928763	1.058617	0.289774
ENSG00000122420.10	17.79176666	-0.39583	0.971136	-0.4076	0.683569
ENSG00000140287.11	17.7935822	1.618341	1.380911	1.171937	0.241222
ENSG00000198939.8	17.80093244	0.206552	1.010696	0.204366	0.838068
ENSG00000229867.2	17.80110356	-0.09334	0.91679	-0.10181	0.918904
ENSG00000226065.1	17.81654301	1.781694	3.821236	0.466261	0.641028
ENSG00000064655.19	17.81971132	0.468667	0.956907	0.489773	0.624294
ENSG00000088756.13	17.82985313	0.744204	0.96106	0.774357	0.43872

ENSG00000244701.1	17.83001241	0.276557	0.907161	0.30486	0.760473
ENSG00000211891.6	17.83744796	3.584692	1.369135	2.618217	0.008839
ENSG00000205885.7	17.83910095	-0.35438	0.917551	-0.38623	0.699328
ENSG00000136114.17	17.84283561	-0.42622	0.935485	-0.45562	0.648665
ENSG00000225864.1	17.84713236	-0.27843	0.917253	-0.30354	0.761475
ENSG00000188064.10	17.85043029	0.466629	1.042188	0.44774	0.654341
ENSG00000262155.2	17.85062679	-0.10484	0.947663	-0.11063	0.911908
ENSG00000203620.2	17.86296184	2.715677	0.993505	2.733431	0.006268
ENSG00000168306.13	17.86555679	0.329096	0.960179	0.342744	0.731791
ENSG00000281357.3	17.8775613	-0.83069	0.939619	-0.88407	0.376661
ENSG00000233033.1	17.88083393	0.053439	0.965133	0.05537	0.955844
ENSG00000284946.1	17.88217179	0.423752	1.031273	0.410901	0.681145
ENSG00000150722.10	17.89084017	0.291271	0.928651	0.31365	0.753787
ENSG00000164794.9	17.89280247	1.918469	1.050438	1.826352	0.067797
ENSG00000255750.6	17.89507824	-0.31991	0.915203	-0.34955	0.726676
ENSG00000163701.19	17.90366538	0.141282	0.932969	0.151432	0.879635
ENSG00000266872.1	17.90675702	1.167833	0.930341	1.255275	0.209379
ENSG00000005981.13	17.91021042	0.512169	0.931243	0.549984	0.58233
ENSG00000152785.7	17.91586313	1.260267	1.135085	1.110283	0.266877
ENSG00000161405.17	17.91688368	3.803818	1.415432	2.687391	0.007201
ENSG00000182584.6	17.92855234	1.477345	1.02797	1.437148	0.150676
ENSG00000112218.9	17.94758961	0.218194	0.912246	0.239184	0.810963
ENSG00000261200.1	17.95318943	2.002492	1.397619	1.432788	0.151918
ENSG00000182308.7	17.95356391	0.982482	0.92866	1.057957	0.290075
ENSG00000269918.1	17.96257425	0.737211	0.94677	0.778659	0.43618
ENSG00000163032.12	17.96737732	0.426524	0.925962	0.460628	0.645065
ENSG00000111837.12	17.96915642	0.669147	0.922687	0.725215	0.46832
ENSG00000230074.3	17.97063687	-0.12368	0.907592	-0.13628	0.891603
ENSG00000255850.2	17.9753827	-0.03511	0.943909	-0.0372	0.970326
ENSG00000141485.17	18.00458204	0.62915	1.108313	0.567665	0.570263
ENSG00000158292.7	18.00474322	0.440062	0.956778	0.459941	0.645558
ENSG00000025423.11	18.00656671	-0.01915	0.995173	-0.01924	0.984651
ENSG00000242628.6	18.00792359	0.053999	1.1593	0.046579	0.962849
ENSG00000229358.3	18.01928714	-0.45093	0.919235	-0.49055	0.623742
ENSG00000167912.6	18.03372363	0.441618	0.949624	0.465045	0.641899
ENSG00000234494.7	18.03848354	0.646077	0.942295	0.685642	0.492939
ENSG00000256569.1	18.03946588	0.10123	0.939759	0.107719	0.914219
ENSG00000228192.8	18.04116646	-0.73166	0.979585	-0.74691	0.455116
ENSG00000258708.1	18.04642899	0.412076	0.966972	0.426151	0.669998
ENSG00000131188.12	18.04643989	1.11909	1.01381	1.103846	0.26966
ENSG00000144031.12	18.04676463	-0.38684	0.928112	-0.4168	0.676825
ENSG00000287906.1	18.04697191	0.895735	1.195715	0.749121	0.453784
ENSG00000134201.12	18.04920212	-0.83522	0.953864	-0.87562	0.381236
ENSG00000188897.9	18.0543543	1.559765	1.194793	1.305468	0.191733
ENSG00000151062.15	18.06926952	0.836541	1.003919	0.833275	0.40469
ENSG00000287202.1	18.0700046	-0.10366	0.916988	-0.11304	0.909999
ENSG00000269973.1	18.0719015	1.596235	0.955473	1.670623	0.094796
ENSG00000276131.1	18.07398764	0.148628	0.904588	0.164305	0.869491
ENSG00000160111.14	18.07522066	-0.23965	0.916266	-0.26155	0.793667
ENSG00000099769.6	18.07932543	-0.21251	0.985447	-0.21565	0.829258
ENSG00000246560.2	18.08029175	0.810585	0.928584	0.872926	0.382704
ENSG00000284968.1	18.08244883	1.178172	0.94473	1.247099	0.212361

ENSG00000268903.1	18.09640173	0.208029	1.079763	0.192662	0.847224
ENSG00000245067.7	18.09768071	0.642346	0.976887	0.657543	0.510832
ENSG00000089163.4	18.12464105	-0.50261	0.949064	-0.52959	0.596397
ENSG00000285867.1	18.13089542	0.597532	0.912725	0.654668	0.512681
ENSG00000197168.13	18.1318125	-0.06359	0.915989	-0.06943	0.94465
ENSG00000162078.11	18.13546575	0.091302	0.996795	0.091596	0.927019
ENSG00000249464.6	18.13773673	0.214019	0.899214	0.238006	0.811876
ENSG00000204128.6	18.14501788	0.623562	0.954492	0.653292	0.513568
ENSG00000165300.7	18.15127423	0.825261	1.222715	0.674941	0.499713
ENSG00000269399.2	18.16181014	0.80996	1.023456	0.791397	0.428712
ENSG00000239883.8	18.17025529	-0.6009	0.914195	-0.6573	0.510991
ENSG00000176678.6	18.17768785	1.559715	1.043213	1.495106	0.134887
ENSG00000226891.9	18.18234737	0.045491	0.962073	0.047285	0.962286
ENSG00000273079.6	18.19037977	2.127562	1.088221	1.955082	0.050573
ENSG00000183308.6	18.21504047	-0.13419	0.919234	-0.14599	0.883933
ENSG00000185065.6	18.21568841	0.74553	0.920387	0.810018	0.41793
ENSG00000185261.14	18.23985075	0.269262	0.898147	0.299798	0.764331
ENSG00000160447.7	18.24374503	-0.12602	0.899764	-0.14006	0.888614
ENSG00000187372.11	18.25865037	1.095019	0.928157	1.179777	0.238089
ENSG00000198416.9	18.26128207	-0.22194	0.952225	-0.23307	0.815706
ENSG00000220848.5	18.27109252	0.74774	0.912778	0.819191	0.412677
ENSG00000228606.3	18.29285516	-0.37148	0.928575	-0.40005	0.689118
ENSG00000249715.12	18.29369886	0.659544	0.99185	0.664964	0.506074
ENSG00000273064.1	18.29680903	0.449224	0.981835	0.457535	0.647286
ENSG00000278991.1	18.32362485	-0.42613	0.910315	-0.46811	0.639708
ENSG00000125735.11	18.32624769	0.461779	1.082315	0.426659	0.669628
ENSG00000280287.1	18.34210109	1.596652	0.998078	1.599727	0.109659
ENSG00000101336.16	18.3631595	0.129066	1.182291	0.109166	0.913071
ENSG00000287168.1	18.39764126	0.505091	0.920193	0.548897	0.583076
ENSG00000279726.2	18.39893891	0.070784	0.908927	0.077877	0.937926
ENSG00000060140.9	18.40578405	1.859956	0.961552	1.934326	0.053073
ENSG00000271918.1	18.40587351	0.38585	0.916616	0.42095	0.673791
ENSG00000233822.4	18.40814204	-0.09996	0.950793	-0.10514	0.916268
ENSG00000179772.8	18.40910545	-0.99713	1.079111	-0.92403	0.355472
ENSG00000238098.9	18.41617981	2.112569	0.975865	2.164817	0.030402
ENSG00000254229.2	18.41640812	0.985225	1.370865	0.718689	0.472333
ENSG00000144057.15	18.42656138	0.379801	1.066752	0.356035	0.721815
ENSG00000273802.2	18.43951604	2.330259	0.948597	2.456533	0.014028
ENSG00000110852.4	18.44583211	0.747308	0.97166	0.769104	0.441831
ENSG00000137440.5	18.44754523	-0.36053	1.017793	-0.35423	0.723166
ENSG00000134594.5	18.45479435	-0.75315	0.91973	-0.81888	0.412853
ENSG00000254682.1	18.46048671	0.136138	0.935104	0.145586	0.884248
ENSG00000283041.1	18.46649295	-0.65706	0.916536	-0.7169	0.473438
ENSG00000169550.14	18.46794606	0.67629	1.240158	0.545326	0.585529
ENSG00000135477.11	18.48383	-2.32011	1.181657	-1.96343	0.049596
ENSG00000260838.3	18.49301411	1.172856	0.953969	1.229449	0.218904
ENSG00000284959.2	18.49581686	1.79377	1.072809	1.672032	0.094518
ENSG00000145794.17	18.49721496	3.666096	1.20956	3.030935	0.002438
ENSG00000228506.2	18.50015121	0.256829	0.9076	0.282976	0.777195
ENSG00000154263.17	18.50810106	1.384675	0.996891	1.388993	0.164835
ENSG00000248671.8	18.50898239	1.064813	1.003191	1.061425	0.288497
ENSG00000066468.23	18.51269191	1.787105	0.996238	1.793853	0.072837

ENSG00000113396.13	18.51318565	-0.00775	0.927512	-0.00835	0.993337
ENSG00000247809.9	18.51387736	0.378911	1.009546	0.375328	0.707416
ENSG00000276564.1	18.51874522	-0.35255	0.897403	-0.39286	0.694422
ENSG00000149489.9	18.5202711	0.575241	0.947654	0.607016	0.54384
ENSG00000286473.1	18.52805968	2.262651	1.209079	1.871384	0.061292
ENSG00000227811.3	18.53322026	-0.47611	0.940417	-0.50627	0.612664
ENSG00000235885.8	18.53877983	0.872679	0.953888	0.914865	0.360263
ENSG00000177335.11	18.53975971	0.075815	0.930428	0.081484	0.935057
ENSG00000173077.16	18.5534291	0.478175	0.996163	0.480017	0.631215
ENSG00000251432.7	18.5754296	0.267295	0.958771	0.278789	0.780407
ENSG00000198155.5	18.57731989	0.06884	0.907248	0.075877	0.939517
ENSG00000268149.1	18.61931275	0.15012	0.918869	0.163375	0.870223
ENSG00000286012.1	18.61981485	2.225272	1.181348	1.883673	0.059609
ENSG00000229839.6	18.62464073	0.15069	0.900864	0.167273	0.867155
ENSG00000229431.1	18.62987645	-0.54551	0.922537	-0.59132	0.554309
ENSG00000124102.5	18.63496799	0.560697	0.910798	0.61561	0.538152
ENSG00000204653.10	18.6379118	-0.25645	0.965184	-0.2657	0.790469
ENSG00000224593.1	18.63838353	0.237889	0.900786	0.26409	0.79171
ENSG00000164867.11	18.64033817	0.359968	0.90944	0.395813	0.692243
ENSG00000221843.4	18.64969029	0.732308	0.986113	0.74262	0.457712
ENSG00000179715.13	18.66679483	0.819965	0.963837	0.85073	0.394919
ENSG00000145358.6	18.66992963	-0.31922	0.962486	-0.33166	0.740143
ENSG00000171408.14	18.67824596	0.698642	0.917433	0.761518	0.446347
ENSG00000266978.1	18.68131505	-0.53837	0.894289	-0.60201	0.547169
ENSG00000276418.5	18.68481902	0.283492	1.03366	0.27426	0.783885
ENSG00000250608.2	18.68647553	1.277428	0.948258	1.347132	0.177938
ENSG00000111335.13	18.69119668	1.020045	1.075076	0.948812	0.342716
ENSG00000177301.16	18.69625134	0.973926	1.067593	0.912263	0.36163
ENSG00000164627.18	18.69878824	0.253195	0.951705	0.266044	0.790205
ENSG00000243811.11	18.69904806	0.379434	0.890872	0.425913	0.670171
ENSG00000210144.1	18.70422211	0.67157	1.083654	0.619727	0.535438
ENSG00000117400.18	18.7093789	0.235254	0.921792	0.255214	0.798558
ENSG00000188153.14	18.71356002	0.860026	1.006977	0.854067	0.393068
ENSG00000164099.3	18.71942587	1.575104	0.973174	1.618523	0.10555
ENSG00000214562.14	18.72714188	3.326849	1.226548	2.712368	0.00668
ENSG00000198515.15	18.7353941	-1.01458	0.97822	-1.03717	0.299656
ENSG00000234290.2	18.73890233	0.133144	0.94401	0.141041	0.887838
ENSG00000099260.11	18.74707991	0.284765	0.965997	0.294788	0.768156
ENSG00000127252.7	18.75273222	-0.0403	0.893656	-0.04509	0.964032
ENSG00000143494.15	18.7597734	1.092427	0.96669	1.130069	0.258447
ENSG00000261879.7	18.76398621	-1.07808	0.970236	-1.11115	0.266503
ENSG00000227487.4	18.7653105	-0.40711	0.888746	-0.45807	0.646904
ENSG00000285294.1	18.7698126	-0.32494	0.97643	-0.33279	0.739294
ENSG00000260337.4	18.77754619	1.583835	1.279941	1.237428	0.215928
ENSG00000276855.1	18.78250802	0.733328	0.924694	0.793049	0.427749
ENSG00000144891.17	18.78348143	1.108317	0.920255	1.204359	0.228451
ENSG00000231924.9	18.78524815	-0.25458	0.995313	-0.25578	0.79812
ENSG00000228172.5	18.78570992	0.849329	0.909991	0.933339	0.350645
ENSG00000223390.1	18.79534918	-0.55223	0.898734	-0.61446	0.538914
ENSG00000129988.6	18.7975552	-0.25598	0.998346	-0.25641	0.797636
ENSG00000106003.13	18.8372747	1.113903	0.936715	1.189159	0.234377
ENSG00000260206.1	18.84338461	0.718189	0.92632	0.775314	0.438154

ENSG00000250266.2	18.84958413	0.057034	0.926769	0.061541	0.950928
ENSG00000170743.17	18.85384432	-0.35081	0.906814	-0.38685	0.698864
ENSG00000130475.14	18.85543238	-0.35573	1.017598	-0.34958	0.726658
ENSG00000255423.1	18.86902441	-0.52326	0.94914	-0.5513	0.581428
ENSG00000259877.2	18.86929375	0.19916	0.891245	0.223463	0.823176
ENSG00000142185.16	18.87438486	-0.28647	0.897603	-0.31915	0.74961
ENSG00000250902.1	18.87628584	-0.2736	0.942669	-0.29024	0.771634
ENSG00000178460.18	18.8801173	-0.48503	0.974686	-0.49763	0.618744
ENSG00000185040.13	18.88814738	-1.71608	1.041525	-1.64766	0.099423
ENSG00000258738.1	18.88843945	0.673758	0.958739	0.702755	0.482208
ENSG00000159307.19	18.90360373	4.429303	1.290621	3.431917	0.000599
ENSG00000184224.3	18.90392223	0.902181	1.114815	0.809265	0.418363
ENSG00000174599.5	18.90766612	-0.06738	0.911171	-0.07395	0.941053
ENSG00000260806.1	18.90948368	0.525555	0.902977	0.582025	0.56055
ENSG00000286599.1	18.91759988	-0.24665	0.897076	-0.27494	0.783359
ENSG00000100628.12	18.92330508	-0.35343	0.901746	-0.39194	0.695099
ENSG00000163817.16	18.94080228	0.250016	1.072374	0.233142	0.815651
ENSG00000264230.9	18.9524661	-0.81913	1.02087	-0.80239	0.42233
ENSG00000109610.6	18.95354638	-0.01165	0.964971	-0.01207	0.990369
ENSG00000198435.4	18.95443852	0.951314	0.985449	0.96536	0.334364
ENSG00000214331.8	18.97904916	-0.07656	0.918264	-0.08338	0.93355
ENSG00000184792.16	18.98069643	1.474612	0.891	1.655008	0.097923
ENSG00000268199.2	19.00009876	0.008779	0.895358	0.009805	0.992177
ENSG00000285230.2	19.00524353	0.263884	0.909228	0.290229	0.771641
ENSG00000177283.7	19.00573932	1.772804	0.958667	1.849238	0.064423
ENSG00000203772.7	19.00937387	0.556059	0.919166	0.60496	0.545205
ENSG00000135424.18	19.01879004	1.075705	0.906328	1.186883	0.235274
ENSG00000227252.2	19.01972148	-0.01951	0.93165	-0.02094	0.983293
ENSG00000196597.13	19.02675268	0.004893	0.887685	0.005512	0.995602
ENSG00000254101.7	19.04753669	1.229928	1.097152	1.121019	0.26228
ENSG00000125869.10	19.04898306	-0.57615	0.944496	-0.61	0.541859
ENSG00000112964.14	19.05788629	0.373508	0.969238	0.385363	0.699969
ENSG00000176697.20	19.06510316	1.514979	0.903409	1.676959	0.09355
ENSG00000228878.8	19.0784235	-0.03472	0.94982	-0.03656	0.970839
ENSG00000270011.7	19.08424658	-0.68952	0.917545	-0.75148	0.452364
ENSG00000137868.19	19.09358233	1.059646	0.907257	1.167967	0.24282
ENSG00000095539.15	19.09388955	-0.35017	1.001935	-0.34949	0.726719
ENSG00000240401.9	19.09932318	-0.00078	0.886835	-0.00088	0.999301
ENSG00000164404.8	19.10869069	0.57332	0.902581	0.635201	0.525297
ENSG00000166897.16	19.11832723	2.061822	1.064055	1.937703	0.052659
ENSG00000137558.9	19.1209854	-0.59025	0.931682	-0.63353	0.526385
ENSG00000176681.14	19.12158681	0.639832	0.964836	0.663151	0.507234
ENSG00000224043.8	19.12457632	0.131656	0.943422	0.139552	0.889014
ENSG00000238018.2	19.15700478	0.136165	0.906031	0.150287	0.880538
ENSG00000254469.7	19.16482103	-1.3184	1.059655	-1.24418	0.213434
ENSG00000156466.10	19.1801852	0.9996	0.932242	1.072253	0.283606
ENSG00000260751.2	19.19374256	1.161899	0.998094	1.164118	0.244376
ENSG00000153086.14	19.19703438	-0.55912	1.009027	-0.55412	0.579497
ENSG00000189377.9	19.21379594	-0.51964	1.115591	-0.4658	0.641361
ENSG00000176998.4	19.2145734	0.915097	0.953162	0.960064	0.337023
ENSG00000109158.11	19.21559322	-0.47257	1.39982	-0.33759	0.735672
ENSG00000180481.11	19.21801561	0.285492	1.014518	0.281407	0.778399

ENSG00000226245.1	19.21949373	-0.63917	0.906586	-0.70503	0.480794
ENSG00000163449.11	19.22084705	-0.1907	0.928219	-0.20544	0.837226
ENSG00000100181.22	19.22686942	1.126496	0.936541	1.202826	0.229044
ENSG00000256028.2	19.23702762	0.46666	0.893912	0.522042	0.601641
ENSG00000230457.3	19.24327582	-0.66351	1.044875	-0.63502	0.525417
ENSG00000196741.5	19.24548414	0.1603	0.883723	0.181391	0.856061
ENSG00000259354.5	19.2505892	-0.43384	0.890475	-0.4872	0.626116
ENSG00000257176.3	19.25548157	0.856677	0.982078	0.872311	0.383039
ENSG00000273073.1	19.26613382	0.122457	0.894248	0.136939	0.891079
ENSG00000011478.12	19.28594492	-0.53932	0.90953	-0.59297	0.553201
ENSG00000248100.2	19.28944577	-1.68649	0.969741	-1.73911	0.082015
ENSG00000273345.5	19.29215722	-1.3185	0.954627	-1.38117	0.167228
ENSG00000231170.7	19.2931035	0.889154	0.889215	0.999931	0.317344
ENSG00000066382.16	19.29392528	1.334101	0.953157	1.399665	0.161614
ENSG00000273151.1	19.29973745	0.386954	0.913719	0.423493	0.671935
ENSG00000198483.13	19.30457775	1.680735	1.059453	1.586418	0.112644
ENSG00000285077.2	19.32334825	0.29808	0.898862	0.331619	0.740177
ENSG00000267688.1	19.32748826	0.741827	0.911072	0.814236	0.41551
ENSG00000226167.1	19.33127967	-0.25341	0.885039	-0.28633	0.774627
ENSG00000230955.1	19.3320285	0.038932	0.884463	0.044017	0.96489
ENSG00000131386.19	19.33269189	1.377042	0.947478	1.453376	0.146119
ENSG00000187955.12	19.33799045	0.612592	0.957216	0.639972	0.522191
ENSG00000224066.1	19.34639157	0.257532	0.902446	0.285371	0.77536
ENSG00000257219.6	19.35196406	0.327661	0.946442	0.346203	0.72919
ENSG00000276805.2	19.36040459	0.493721	0.985518	0.500976	0.616388
ENSG00000225963.8	19.38844522	0.507656	0.883193	0.574797	0.565429
ENSG00000234350.5	19.39048804	0.941419	1.041072	0.904279	0.365848
ENSG00000018280.17	19.41908892	1.055695	1.162137	0.908409	0.363662
ENSG00000237094.12	19.41946487	-0.08559	0.939153	-0.09113	0.927386
ENSG00000254907.1	19.42535284	-0.17753	0.877257	-0.20237	0.839625
ENSG00000280079.1	19.42849644	0.253278	0.89719	0.282301	0.777713
ENSG00000183873.18	19.42893454	-0.13908	1.104423	-0.12593	0.899788
ENSG00000250138.4	19.43731686	1.117544	1.024286	1.091046	0.275252
ENSG00000232729.8	19.44206466	0.374824	0.893279	0.419605	0.674774
ENSG00000270580.5	19.44861156	-0.68909	0.926134	-0.74405	0.456846
ENSG00000004777.18	19.44970405	2.984924	1.073504	2.780542	0.005427
ENSG00000151322.19	19.45807984	2.018314	0.926888	2.177515	0.029442
ENSG00000286161.1	19.50329711	0.816401	0.909437	0.897699	0.369346
ENSG00000164749.13	19.50491678	-0.6998	0.927305	-0.75466	0.450456
ENSG00000205746.9	19.51022135	4.037425	1.296185	3.114852	0.00184
ENSG00000277200.1	19.51114003	0.101781	0.88044	0.115602	0.907968
ENSG00000169291.10	19.51466667	1.649248	1.071486	1.539215	0.123752
ENSG00000203644.3	19.51907364	0.179234	0.902191	0.198665	0.842525
ENSG00000175262.14	19.52747147	2.151539	0.910803	2.362244	0.018165
ENSG00000082482.14	19.53501348	2.118049	0.966529	2.191398	0.028423
ENSG00000144847.13	19.54427004	-0.31004	0.88531	-0.3502	0.726186
ENSG00000269001.2	19.55797979	-0.35164	0.919813	-0.3823	0.70224
ENSG00000147724.12	19.56362103	1.049315	0.920499	1.139942	0.25431
ENSG00000115361.8	19.56666988	0.187641	0.898105	0.20893	0.834503
ENSG00000108700.5	19.5689208	0.298663	1.027909	0.290553	0.771393
ENSG00000131477.11	19.57134198	-0.8698	1.048277	-0.82974	0.406686
ENSG00000144285.22	19.58906384	2.62877	1.261409	2.083995	0.037161

ENSG00000145040.4	19.59956236	1.196311	1.031734	1.159514	0.246247
ENSG00000123572.17	19.59962587	1.834751	0.913674	2.008102	0.044632
ENSG00000110169.11	19.60108041	-0.3437	0.927407	-0.37061	0.710929
ENSG00000286132.1	19.61325712	-0.11486	0.91474	-0.12556	0.900078
ENSG00000168026.18	19.61506036	-0.09913	0.876108	-0.11315	0.909913
ENSG00000100678.19	19.61615547	1.237208	0.985514	1.255393	0.209336
ENSG00000267169.2	19.62107771	0.50344	0.890153	0.565565	0.571689
ENSG00000234546.4	19.62449724	0.009136	0.912845	0.010008	0.992015
ENSG00000161958.11	19.62665984	-0.12002	0.917629	-0.13079	0.895941
ENSG00000280334.1	19.64129006	0.272424	0.875373	0.311209	0.755642
ENSG00000205436.7	19.64381704	0.512092	0.90506	0.565811	0.571523
ENSG00000248360.7	19.65107246	1.401035	1.086323	1.289703	0.197154
ENSG00000186806.5	19.65135598	0.096607	0.934954	0.103328	0.917703
ENSG00000196872.12	19.65370639	0.621173	0.872868	0.711646	0.476684
ENSG00000273018.7	19.65379112	1.478043	0.902347	1.637999	0.101422
ENSG00000270190.1	19.66006689	1.062819	0.925067	1.14891	0.250593
ENSG00000224259.7	19.66009897	-0.63443	0.95402	-0.665	0.506048
ENSG00000221883.4	19.66099385	0.555982	0.971036	0.572565	0.566939
ENSG00000277534.1	19.66736685	0.895332	0.878039	1.019696	0.307873
ENSG00000175164.15	19.69278719	-1.05404	0.886149	-1.18947	0.234257
ENSG00000139344.8	19.70380531	1.531019	1.11882	1.368423	0.171118
ENSG00000251580.3	19.71015002	0.268006	0.874115	0.306603	0.759146
ENSG00000119782.14	19.71354306	0.820369	0.90277	0.908724	0.363496
ENSG00000246596.7	19.72050674	-0.57533	0.884063	-0.65078	0.515187
ENSG00000264859.6	19.72445577	-0.14948	0.898286	-0.1664	0.867839
ENSG00000116194.13	19.73006034	-0.66964	0.878318	-0.76242	0.445812
ENSG00000111432.4	19.73286809	-0.51886	0.965489	-0.53741	0.590985
ENSG00000196951.11	19.73367494	-0.16002	0.878397	-0.18218	0.855445
ENSG00000226648.2	19.75555798	0.652031	0.919907	0.708801	0.478448
ENSG00000115616.3	19.75597813	2.152082	1.31086	1.641733	0.100645
ENSG00000260920.2	19.75704767	-0.14186	0.941708	-0.15064	0.880263
ENSG00000261065.1	19.76560346	-0.0613	0.921384	-0.06653	0.946955
ENSG00000177839.7	19.77498289	1.871669	0.915818	2.043714	0.040982
ENSG00000264920.2	19.77500437	0.906802	0.927485	0.9777	0.328223
ENSG00000138271.6	19.77717473	-0.56927	0.968907	-0.58754	0.556842
ENSG00000205861.13	19.7789559	0.169002	0.896105	0.188596	0.850409
ENSG00000287510.1	19.79982851	0.33674	0.990658	0.339916	0.73392
ENSG00000259939.1	19.80688419	0.223834	0.99209	0.225619	0.821498
ENSG00000204301.6	19.81211134	1.316012	0.891666	1.475902	0.13997
ENSG00000277406.2	19.81534555	1.784823	0.984769	1.812428	0.06992
ENSG00000141639.12	19.82868805	0.774134	0.948568	0.816108	0.414439
ENSG00000271870.1	19.84363522	-0.50935	0.870082	-0.5854	0.558279
ENSG00000122477.13	19.85404923	-0.19605	0.905913	-0.21641	0.828669
ENSG00000223508.5	19.86241051	0.024895	0.907731	0.027425	0.978121
ENSG00000273311.1	19.86532245	-0.17094	0.919575	-0.18589	0.852534
ENSG00000226266.6	19.8658634	-1.09195	0.964538	-1.13209	0.257596
ENSG00000229980.5	19.86959096	0.170907	0.898317	0.190252	0.849111
ENSG00000107719.9	19.87097947	0.332841	0.900731	0.369523	0.711738
ENSG00000276046.1	19.87765835	6.223631	3.896275	1.597328	0.110193
ENSG00000239572.3	19.88314493	0.149178	0.9002	0.165716	0.86838
ENSG00000198590.12	19.88824356	0.905717	0.880336	1.028832	0.303559
ENSG00000205277.9	19.90007227	0.775718	0.884304	0.877207	0.380374

ENSG00000236008.3	19.91311109	2.05322	1.15565	1.776681	0.075621
ENSG00000236444.5	19.91760602	3.657201	1.245481	2.936376	0.003321
ENSG00000248079.3	19.91819427	-0.56119	0.953448	-0.58859	0.556133
ENSG00000135407.10	19.91927609	-0.073	0.876063	-0.08333	0.933591
ENSG00000250790.4	19.92079513	0.530366	0.917982	0.577752	0.563432
ENSG00000286116.1	19.92296333	-0.77973	0.873012	-0.89315	0.371775
ENSG00000230423.3	19.92852299	1.907423	1.088596	1.752186	0.079742
ENSG00000261652.3	19.94716896	-0.35235	0.882488	-0.39926	0.689699
ENSG00000214290.8	19.94825891	0.379607	0.866781	0.437951	0.661422
ENSG00000100218.12	19.95249724	-0.01418	0.869539	-0.01631	0.986988
ENSG00000198650.11	19.95286917	0.698001	0.923846	0.755538	0.449926
ENSG00000166246.14	19.95409289	-0.94285	0.948211	-0.99434	0.320056
ENSG00000267439.1	19.95550723	-0.00794	0.876053	-0.00907	0.992767
ENSG00000237973.1	19.95646984	0.36328	0.886984	0.409568	0.682123
ENSG00000140534.14	19.95661087	1.417569	0.933126	1.519162	0.128722
ENSG00000205534.6	19.95673091	-0.03425	1.16265	-0.02946	0.976496
ENSG00000242593.7	19.96521815	2.155282	1.231749	1.749773	0.080157
ENSG00000152822.14	19.97392999	1.093859	0.886178	1.234356	0.21707
ENSG00000280206.1	19.9758112	-0.00802	0.927724	-0.00865	0.993102
ENSG00000182310.14	20.00182938	1.105243	0.912437	1.211309	0.225777
ENSG00000162746.14	20.0125572	-0.10106	0.886113	-0.11404	0.909203
ENSG00000267007.1	20.01933575	0.683243	0.883774	0.773098	0.439465
ENSG00000280067.1	20.02334519	-0.52983	0.954569	-0.55505	0.578861
ENSG00000166736.11	20.02744912	-0.6839	0.966164	-0.70785	0.479036
ENSG00000279827.1	20.03028245	0.955923	0.883787	1.081621	0.279421
ENSG00000269911.1	20.04005143	0.036394	0.915017	0.039774	0.968273
ENSG00000229851.1	20.06952451	-0.10463	0.870962	-0.12014	0.904375
ENSG00000162148.11	20.07119361	0.038774	0.909666	0.042625	0.966001
ENSG00000272853.1	20.07352531	-0.2973	0.875813	-0.33945	0.734268
ENSG00000253159.3	20.08070968	-0.50489	0.915794	-0.55131	0.581421
ENSG00000272070.1	20.08409188	0.213132	0.899298	0.236999	0.812658
ENSG00000232442.1	20.11636861	0.050349	0.863463	0.058311	0.953501
ENSG00000168497.5	20.12063114	-0.64142	0.896032	-0.71585	0.474084
ENSG00000147041.12	20.12128365	0.839404	0.946612	0.886745	0.375216
ENSG00000284862.3	20.12832825	-0.12286	0.872098	-0.14087	0.88797
ENSG00000258451.1	20.13097567	-0.15335	0.872257	-0.1758	0.860447
ENSG00000240288.8	20.13461762	0.001485	0.875933	0.001695	0.998647
ENSG00000259316.12	20.14119767	-0.85326	1.016935	-0.83906	0.401438
ENSG00000211772.11	20.14332489	0.410805	1.024303	0.401058	0.688377
ENSG00000175161.13	20.14748316	0.179101	1.007849	0.177706	0.858954
ENSG00000225265.2	20.14807263	0.376996	0.934665	0.403349	0.686692
ENSG00000237310.2	20.14915042	-0.29597	0.873833	-0.3387	0.734838
ENSG00000115718.18	20.15430483	0.526263	0.936305	0.562064	0.574073
ENSG00000270964.1	20.15847267	1.587001	1.015202	1.563237	0.117997
ENSG00000251209.9	20.16266217	1.088357	1.01361	1.073743	0.282938
ENSG00000154930.15	20.1668821	-0.6575	1.009354	-0.65141	0.514783
ENSG00000153093.19	20.17286058	-0.21221	0.876433	-0.24212	0.808683
ENSG00000162687.18	20.18061833	-0.21994	0.904639	-0.24312	0.807911
ENSG00000233654.2	20.20477195	0.905284	0.891526	1.015432	0.3099
ENSG00000154118.13	20.20692607	1.486906	1.030085	1.443479	0.148886
ENSG00000230234.1	20.20804169	1.083907	0.953091	1.137255	0.255432
ENSG00000170092.14	20.20907833	0.327046	0.908729	0.359894	0.718926

ENSG00000231389.7	20.21602128	0.200936	1.013954	0.19817	0.842912
ENSG00000261664.5	20.22608307	0.082025	0.970881	0.084485	0.93267
ENSG00000213658.12	20.23243485	1.13529	1.005254	1.129356	0.258748
ENSG00000164303.11	20.23532367	0.534666	0.916991	0.583066	0.559849
ENSG00000286293.1	20.23921265	1.162151	0.975599	1.191218	0.233568
ENSG00000117091.10	20.24554626	0.564192	1.10013	0.512841	0.608063
ENSG00000109063.15	20.24664044	0.58985	1.083959	0.544163	0.586329
ENSG00000183691.6	20.24761285	0.448292	0.941002	0.476399	0.63379
ENSG00000283907.1	20.25335994	1.130683	0.894137	1.264551	0.206032
ENSG00000280047.1	20.26516519	0.35398	0.903576	0.391754	0.69524
ENSG00000278558.5	20.26615014	0.474303	0.966648	0.490668	0.623661
ENSG00000265713.1	20.28782147	-1.17513	0.91843	-1.2795	0.200721
ENSG00000255152.8	20.2879617	0.925297	0.865923	1.068566	0.285265
ENSG00000285725.1	20.29104164	0.500367	0.927952	0.539217	0.589737
ENSG00000235703.6	20.30062632	-0.76417	0.881518	-0.86688	0.386006
ENSG00000108950.12	20.30365276	-0.69323	0.871013	-0.79589	0.426097
ENSG00000260793.2	20.30410687	0.670763	0.926767	0.723766	0.469209
ENSG00000167550.11	20.31083637	0.238874	0.91713	0.260458	0.79451
ENSG00000272918.1	20.31915134	0.005744	0.872064	0.006586	0.994745
ENSG00000166828.3	20.32002929	0.533416	0.89265	0.597565	0.55013
ENSG00000177406.5	20.32479997	1.01942	0.896257	1.137419	0.255363
ENSG00000188761.13	20.32800629	0.073799	0.990177	0.074531	0.940588
ENSG00000188322.7	20.32859606	0.109322	0.90431	0.12089	0.903778
ENSG00000265190.7	20.33316239	-0.53978	0.893336	-0.60423	0.545693
ENSG00000260274.1	20.33339608	-0.48372	0.871746	-0.55489	0.57897
ENSG00000280187.1	20.33693663	0.686993	0.895427	0.767224	0.442949
ENSG00000115274.15	20.34293661	-0.34267	0.974099	-0.35178	0.725002
ENSG00000169918.9	20.34711904	-1.44987	0.890039	-1.629	0.103314
ENSG00000250111.3	20.35751422	-8.00394	3.846928	-2.08061	0.03747
ENSG00000170681.7	20.36478882	0.369256	0.951622	0.388028	0.697995
ENSG00000225783.8	20.36705985	3.070939	1.007513	3.048039	0.002303
ENSG00000142347.19	20.37058107	1.114807	0.951806	1.171255	0.241496
ENSG00000130054.5	20.37143657	0.511084	0.904316	0.565161	0.571964
ENSG00000279089.1	20.37480993	-0.09611	0.871996	-0.11021	0.91224
ENSG00000171587.15	20.38859506	0.557404	0.889865	0.626392	0.531058
ENSG00000196735.13	20.39287661	-0.49486	1.09119	-0.45351	0.650185
ENSG00000235217.6	20.39374936	1.19954	0.91448	1.311719	0.189615
ENSG00000279114.1	20.39906073	-0.7171	0.920503	-0.77904	0.435959
ENSG00000255185.6	20.41290498	-0.71427	0.866153	-0.82465	0.409571
ENSG00000184911.14	20.41299398	0.081353	0.991354	0.082063	0.934597
ENSG00000237836.6	20.41534361	0.850784	0.867749	0.980449	0.326864
ENSG00000215630.6	20.41694674	0.584783	1.099225	0.531996	0.594729
ENSG00000214967.5	20.42633484	0.0806	0.879753	0.091617	0.927003
ENSG00000173705.9	20.43052099	-0.1421	0.893504	-0.15903	0.873642
ENSG00000244219.7	20.43588423	0.294111	0.903559	0.325503	0.744801
ENSG00000185666.15	20.43624977	1.903798	1.00871	1.887359	0.059112
ENSG00000152092.16	20.43803643	0.28907	0.890185	0.32473	0.745386
ENSG00000132141.14	20.44497894	0.566677	0.890361	0.636457	0.524478
ENSG00000271913.7	20.45292699	0.256625	0.881433	0.291145	0.77094
ENSG00000178752.16	20.45583125	1.115251	1.042567	1.069716	0.284747
ENSG00000227896.2	20.45942943	0.619319	0.874415	0.708266	0.47878
ENSG00000270228.1	20.46538829	-0.49342	0.873193	-0.56508	0.57202

ENSG00000188747.8	20.46590569	0.776387	0.857312	0.905606	0.365145
ENSG00000227775.3	20.47523542	-0.46815	0.877597	-0.53345	0.593725
ENSG00000175787.17	20.48134617	0.405706	0.933135	0.434777	0.663724
ENSG00000250091.3	20.48212972	0.528567	0.881086	0.599904	0.54857
ENSG00000150636.17	20.48924735	0.774088	0.904257	0.856049	0.391971
ENSG00000214300.7	20.48967822	0.576604	0.875631	0.658501	0.510216
ENSG00000206535.8	20.49067745	0.051087	0.880839	0.057998	0.95375
ENSG00000285735.2	20.49475247	1.359885	1.086186	1.251982	0.210576
ENSG00000067601.8	20.49667643	-1.0397	0.887386	-1.17164	0.241342
ENSG00000135406.14	20.50133335	-0.32881	0.857861	-0.38329	0.701508
ENSG00000256377.6	20.50414445	0.116975	0.921082	0.126998	0.898942
ENSG00000275441.1	20.50548644	0.347875	0.925641	0.375821	0.70705
ENSG00000126246.10	20.50737576	0.908444	0.860521	1.055691	0.291109
ENSG00000186642.16	20.51447921	0.908949	0.956378	0.950407	0.341905
ENSG00000125378.16	20.51768681	0.511304	0.916042	0.558166	0.576731
ENSG00000176909.12	20.53629984	-0.28399	0.913987	-0.31072	0.756014
ENSG00000254860.6	20.53641216	-0.66324	1.0118	-0.65551	0.51214
ENSG00000133321.11	20.58226098	0.067719	0.863133	0.078457	0.937465
ENSG00000268083.5	20.58393203	0.135086	1.062859	0.127097	0.898864
ENSG00000080644.16	20.60763467	0.829357	1.070587	0.774675	0.438532
ENSG00000284070.1	20.61098716	1.516404	0.930189	1.63021	0.103057
ENSG00000286237.1	20.61391465	-0.23243	1.182109	-0.19662	0.844122
ENSG00000183793.14	20.61420141	-1.43599	1.039774	-1.38106	0.167259
ENSG00000196126.11	20.61875296	0.036581	0.883472	0.041406	0.966972
ENSG00000223941.5	20.61909276	0.22862	0.930355	0.245734	0.805888
ENSG00000230424.1	20.62180842	-0.20019	0.874615	-0.22889	0.818952
ENSG00000099251.14	20.62889761	0.339502	0.895901	0.37895	0.704725
ENSG00000272316.1	20.63274998	0.637364	0.898628	0.709264	0.478161
ENSG00000244607.7	20.63403464	0.531789	0.889432	0.597897	0.549909
ENSG00000259807.2	20.63753565	0.636516	0.925391	0.687834	0.491557
ENSG00000214140.11	20.64911758	-0.04011	0.875719	-0.0458	0.96347
ENSG00000258663.1	20.65710423	-0.15138	0.87511	-0.17298	0.862668
ENSG00000146374.14	20.65768732	0.307615	0.954876	0.322151	0.747338
ENSG00000188483.8	20.67030591	0.944976	0.941447	1.003748	0.3155
ENSG00000250337.7	20.67161034	-0.38916	0.857552	-0.4538	0.649971
ENSG00000157150.5	20.69385882	-0.2333	0.89784	-0.25984	0.794985
ENSG00000271092.5	20.73393978	0.123034	0.875128	0.14059	0.888194
ENSG00000104332.12	20.74674575	0.282037	0.880292	0.32039	0.748673
ENSG00000214654.8	20.75661078	0.308714	0.863563	0.357489	0.720726
ENSG00000224596.8	20.7664437	0.846308	0.932611	0.907461	0.364163
ENSG00000197093.11	20.77600375	-0.17991	0.877932	-0.20492	0.837634
ENSG00000233928.6	20.77738368	0.676507	0.884413	0.764922	0.444318
ENSG00000236213.2	20.78507223	-0.18663	0.868977	-0.21477	0.82995
ENSG00000229321.2	20.789065	1.163853	1.005768	1.157178	0.2472
ENSG00000180340.7	20.79149215	1.405335	0.969538	1.44949	0.147201
ENSG00000226833.6	20.81195385	-0.39879	0.908806	-0.43881	0.660798
ENSG00000253671.3	20.81244944	0.019334	0.894266	0.02162	0.982751
ENSG00000116106.12	20.81856407	0.690607	0.991755	0.696348	0.486211
ENSG00000120055.7	20.82063677	0.495862	0.891052	0.556491	0.577876
ENSG00000271848.2	20.82904968	0.338805	0.919184	0.368593	0.712431
ENSG00000105989.10	20.83108282	0.12728	0.958535	0.132786	0.894363
ENSG00000285565.1	20.83458755	3.552283	1.325045	2.680876	0.007343

ENSG00000154099.18	20.8355976	0.993059	0.915094	1.085198	0.277834
ENSG00000242512.9	20.85021465	2.647192	0.971204	2.725681	0.006417
ENSG00000178187.8	20.85422532	0.08194	0.887723	0.092303	0.926457
ENSG00000106404.14	20.86069131	0.180612	0.861367	0.20968	0.833917
ENSG00000229474.6	20.86304864	-0.79415	0.966996	-0.82126	0.411499
ENSG00000280416.1	20.87113053	0.347462	0.911826	0.381061	0.703158
ENSG00000228203.7	20.88383596	0.946351	0.934401	1.012788	0.311161
ENSG00000213996.13	20.90591621	-0.45069	0.888456	-0.50728	0.611961
ENSG00000131398.15	20.90760585	0.224392	0.852022	0.263364	0.79227
ENSG00000156140.10	20.90900385	1.099416	0.891846	1.232741	0.217672
ENSG00000070729.14	20.91357439	1.626961	1.200762	1.35494	0.175437
ENSG00000129204.17	20.9166466	0.646053	0.894056	0.722609	0.46992
ENSG00000231969.2	20.91785304	0.166046	0.860932	0.192868	0.847062
ENSG00000163749.17	20.92133461	0.07729	0.858911	0.089986	0.928298
ENSG00000278993.1	20.93238828	0.497368	0.857907	0.579746	0.562086
ENSG00000274213.1	20.94085498	1.611786	1.092647	1.475121	0.14018
ENSG00000279789.1	20.95391598	0.707843	0.858329	0.824676	0.409556
ENSG00000173867.10	20.95555631	-1.19322	0.961758	-1.24067	0.214729
ENSG00000159714.12	20.97102824	0.506427	0.866335	0.584562	0.558842
ENSG00000166321.14	20.9717514	0.319216	0.886526	0.360075	0.718791
ENSG00000175772.11	20.97606606	1.057563	0.874415	1.209452	0.226489
ENSG00000286053.2	20.98393293	-3.14155	1.060288	-2.96292	0.003047
ENSG00000092529.25	20.98882965	0.362655	0.860689	0.421354	0.673496
ENSG00000280046.1	20.98893897	0.963718	0.95959	1.004302	0.315233
ENSG00000163492.15	20.98934225	0.191033	0.928016	0.205851	0.836907
ENSG00000266469.2	20.99083879	0.414141	0.85751	0.482958	0.629126
ENSG00000119943.13	20.99446088	0.171268	0.874921	0.195752	0.844804
ENSG00000228049.7	21.01598538	0.19259	0.886962	0.217135	0.828103
ENSG00000178031.17	21.01613804	0.85	0.918039	0.925886	0.354505
ENSG00000249679.2	21.02040191	0.015209	0.864152	0.017599	0.985958
ENSG00000233136.3	21.02847119	0.070524	3.866405	0.01824	0.985447
ENSG00000267787.7	21.0288856	-0.33723	0.932412	-0.36167	0.717596
ENSG00000267365.1	21.03757088	1.896941	0.990825	1.914506	0.055556
ENSG00000075275.18	21.0404673	0.270319	0.881298	0.306728	0.75905
ENSG00000108688.11	21.04277996	0.002969	0.902506	0.00329	0.997375
ENSG00000186976.15	21.05501824	-0.34586	0.870716	-0.39721	0.691212
ENSG00000223396.4	21.05878621	0.548152	0.856672	0.639862	0.522262
ENSG00000231160.10	21.06165854	0.427296	0.876899	0.48728	0.62606
ENSG00000204428.12	21.06396173	0.284867	0.873886	0.325977	0.744442
ENSG00000244563.1	21.06541015	-1.1138	0.913508	-1.21926	0.222746
ENSG00000135722.9	21.06708413	1.362092	0.871502	1.562925	0.11807
ENSG00000198598.6	21.0792455	0.845746	0.984559	0.85901	0.390335
ENSG00000102384.13	21.08106904	1.454368	0.891901	1.630639	0.102967
ENSG00000125388.20	21.08933911	1.093964	0.859218	1.273209	0.202944
ENSG00000182256.13	21.09270939	1.734604	1.428826	1.214007	0.224745
ENSG00000139973.16	21.09993847	0.50067	0.962859	0.519983	0.603076
ENSG00000131095.13	21.10264446	0.005815	0.899141	0.006467	0.99484
ENSG00000237945.7	21.10583299	0.331641	0.883389	0.375419	0.707349
ENSG00000138316.11	21.11398328	0.365851	0.888494	0.411765	0.680512
ENSG00000081052.13	21.12877021	0.911864	0.889551	1.025083	0.305324
ENSG00000234975.6	21.12992777	-0.60118	0.863861	-0.69592	0.486478
ENSG00000122852.15	21.13668392	-0.41024	0.908785	-0.45141	0.651691

ENSG00000245293.3	21.13757496	0.003524	0.882923	0.003991	0.996815
ENSG00000203706.8	21.1420427	0.799109	0.910504	0.877656	0.38013
ENSG00000225313.5	21.15145816	0.049069	0.867547	0.056561	0.954895
ENSG00000249207.2	21.15199119	0.587024	0.860273	0.68237	0.495005
ENSG00000091262.15	21.15618585	1.892519	0.927501	2.04045	0.041306
ENSG00000232656.8	21.15628734	0.37269	0.871342	0.427719	0.668855
ENSG00000278903.3	21.17171275	-0.85299	0.993829	-0.85829	0.390732
ENSG00000285957.1	21.17986489	0.43818	0.843253	0.51963	0.603322
ENSG00000110446.11	21.18133615	1.118205	0.924533	1.209481	0.226478
ENSG00000176204.13	21.19373062	1.335954	0.931027	1.434925	0.151308
ENSG00000169402.15	21.19787137	0.193291	0.881681	0.219231	0.82647
ENSG00000162946.23	21.20155569	0.271895	0.943169	0.288278	0.773134
ENSG00000204311.15	21.20529845	-0.35504	0.978708	-0.36276	0.716783
ENSG00000187650.4	21.22178388	-0.55102	0.856891	-0.64304	0.520195
ENSG00000254578.1	21.23234476	0.39514	0.849108	0.465359	0.641674
ENSG00000198829.6	21.23721324	0.296297	0.955081	0.310233	0.756384
ENSG00000173295.7	21.23767577	-0.3101	0.872152	-0.35555	0.722176
ENSG00000288621.1	21.24561279	-0.44791	0.850568	-0.5266	0.598474
ENSG00000187775.17	21.24915944	1.127053	0.890617	1.265475	0.205701
ENSG00000253972.6	21.24922032	0.431948	0.984641	0.438685	0.66089
ENSG00000284747.1	21.25820958	-0.02283	0.868735	-0.02628	0.979033
ENSG00000135605.13	21.26517282	-0.14671	0.899711	-0.16306	0.870471
ENSG00000279555.1	21.27167062	0.098048	0.91444	0.107222	0.914613
ENSG00000249481.7	21.27255026	-2.73418	1.090412	-2.50747	0.01216
ENSG00000239704.11	21.28652476	-0.52958	0.959523	-0.55192	0.581005
ENSG00000183569.18	21.28698359	0.76603	0.877391	0.873077	0.382621
ENSG00000255507.6	21.29468464	-0.18199	0.871264	-0.20888	0.834544
ENSG00000234945.8	21.29700752	-0.07874	0.849435	-0.0927	0.926142
ENSG00000232995.7	21.29770633	0.298827	0.843272	0.354366	0.723065
ENSG00000172828.13	21.29986043	0.566639	0.931534	0.608286	0.542998
ENSG00000269837.1	21.30704057	1.126776	0.867417	1.299001	0.193944
ENSG00000238105.7	21.31103266	0.257749	0.952721	0.27054	0.786745
ENSG00000223478.1	21.31592428	0.616017	0.863512	0.713386	0.475607
ENSG00000172478.18	21.31712727	0.804886	1.020515	0.788705	0.430285
ENSG00000279175.1	21.33654692	1.423612	0.945825	1.505154	0.132285
ENSG00000091622.16	21.35642346	0.475816	0.887171	0.53633	0.591731
ENSG00000223393.2	21.35907044	-0.17923	0.858164	-0.20885	0.834566
ENSG00000268388.6	21.36708438	1.283959	1.116382	1.150107	0.2501
ENSG00000269194.1	21.37196774	-0.13619	0.892309	-0.15263	0.878691
ENSG00000134627.12	21.38490955	-0.66471	0.845378	-0.78629	0.431699
ENSG00000184451.5	21.39108015	-1.06535	0.863958	-1.2331	0.217537
ENSG00000198205.6	21.40683328	-0.02843	0.870994	-0.03264	0.973959
ENSG00000243479.3	21.40908246	-0.76349	0.962685	-0.79308	0.42773
ENSG00000105792.19	21.41277475	-0.16344	0.872943	-0.18723	0.851477
ENSG00000228065.11	21.41927288	0.905729	0.880924	1.028158	0.303876
ENSG00000121743.4	21.42689161	2.411035	1.014586	2.376372	0.017484
ENSG00000182685.7	21.43345863	0.352155	0.840249	0.419108	0.675138
ENSG00000254109.6	21.43919322	0.043642	0.842989	0.051771	0.958711
ENSG00000205560.13	21.44518624	0.995015	0.848472	1.172714	0.240911
ENSG00000133083.15	21.45228502	1.57656	0.886827	1.777754	0.075444
ENSG00000159708.18	21.45935593	-0.32797	0.847848	-0.38682	0.698886
ENSG00000279491.1	21.46257198	0.753322	0.871676	0.864223	0.387466

ENSG00000177692.12	21.46410535	-0.27178	0.84071	-0.32328	0.746486
ENSG00000253305.2	21.47457443	0.196475	0.844401	0.23268	0.81601
ENSG00000237773.7	21.48702376	0.415577	0.87389	0.475548	0.634396
ENSG00000157017.16	21.48765529	-0.34029	0.864535	-0.39361	0.693869
ENSG00000258526.7	21.48896138	-0.37567	0.884392	-0.42478	0.670999
ENSG00000265817.4	21.49254235	0.156198	0.929145	0.168109	0.866497
ENSG00000251602.7	21.49409302	-0.59257	0.859788	-0.6892	0.490698
ENSG00000287045.1	21.49618647	-0.12455	0.847898	-0.14689	0.883218
ENSG00000256747.1	21.50890882	-0.44417	0.915903	-0.48495	0.627712
ENSG00000286837.1	21.52286583	-0.78585	0.844585	-0.93046	0.352133
ENSG00000197134.13	21.52504134	0.669885	0.857019	0.781645	0.434423
ENSG00000047648.23	21.52528484	-0.0013	0.926227	-0.0014	0.998883
ENSG00000225205.5	21.52609933	0.037633	0.927851	0.04056	0.967647
ENSG00000226149.6	21.53496599	1.24784	0.903461	1.381177	0.167224
ENSG00000263142.5	21.53709076	-1.0712	0.852342	-1.25677	0.208836
ENSG00000284234.1	21.54056115	1.695748	3.953565	0.428916	0.667984
ENSG00000274383.1	21.54258352	1.629038	0.972379	1.675311	0.093873
ENSG00000165028.12	21.55071391	-0.39643	0.884374	-0.44826	0.653964
ENSG00000115896.16	21.60631213	1.199562	1.025286	1.169978	0.24201
ENSG00000146205.14	21.6128581	0.452328	0.851368	0.531296	0.595214
ENSG00000183260.7	21.61430314	1.116052	0.892184	1.250921	0.210963
ENSG00000157303.11	21.64232971	-0.1389	0.87803	-0.1582	0.8743
ENSG00000182218.9	21.64975222	1.103822	0.973593	1.13376	0.256895
ENSG00000137098.14	21.65263721	0.069531	0.893342	0.077832	0.937962
ENSG00000152380.10	21.65766049	-0.93525	0.881175	-1.06137	0.288524
ENSG00000279133.1	21.67574186	-0.22164	0.844604	-0.26242	0.792998
ENSG00000284952.1	21.68971656	0.159928	0.936628	0.170749	0.864421
ENSG00000261668.1	21.69031075	0.238368	0.930469	0.25618	0.797812
ENSG00000088305.18	21.69653168	0.243293	0.842434	0.288798	0.772736
ENSG00000281490.1	21.69920216	-1.10335	0.902436	-1.22264	0.221466
ENSG00000232949.2	21.70928768	-0.37561	0.858274	-0.43763	0.661655
ENSG00000136002.20	21.7108026	1.283672	0.977462	1.31327	0.189092
ENSG00000231731.7	21.71641096	0.140905	0.840251	0.167694	0.866824
ENSG00000164128.7	21.7314101	-0.57452	0.878046	-0.65431	0.512909
ENSG00000237232.9	21.73792097	0.892667	0.887165	1.006202	0.314318
ENSG00000187672.14	21.74894805	1.045441	0.841307	1.24264	0.214001
ENSG00000170684.9	21.75424715	-0.5813	0.901804	-0.6446	0.519187
ENSG00000154262.13	21.75446831	0.664339	0.865614	0.767477	0.442798
ENSG00000183647.10	21.75499853	-0.02405	0.84343	-0.02851	0.977256
ENSG00000120328.6	21.76118796	1.23572	0.924795	1.336209	0.181481
ENSG00000137709.10	21.76373337	0.771918	0.980585	0.787202	0.431163
ENSG00000136514.3	21.79053352	0.112604	0.871945	0.129141	0.897246
ENSG00000272948.2	21.81010225	-0.62965	0.898916	-0.70046	0.483643
ENSG00000260804.3	21.81331212	-0.25251	0.915151	-0.27592	0.782607
ENSG00000147255.19	21.82304121	-0.77149	0.894166	-0.8628	0.388245
ENSG00000132031.13	21.82492788	0.316767	0.867176	0.365286	0.714898
ENSG00000258647.6	21.83620964	-0.43755	0.935015	-0.46796	0.639814
ENSG00000268573.1	21.8546778	0.498275	0.880982	0.56559	0.571673
ENSG00000267248.3	21.86605174	-0.06294	0.836101	-0.07528	0.93999
ENSG00000166341.8	21.88469098	0.683908	0.839827	0.814344	0.415448
ENSG00000271590.1	21.89473779	0.329951	0.956116	0.345095	0.730023
ENSG00000254870.5	21.90466291	-1.1669	1.085876	-1.07462	0.282545

ENSG00000166035.11	21.90914643	-0.29624	0.83168	-0.35619	0.721699
ENSG00000272008.1	21.91157374	0.041445	0.843149	0.049154	0.960796
ENSG00000134962.7	21.91521926	-0.00745	0.832706	-0.00895	0.99286
ENSG00000229927.2	21.9230084	-0.20617	0.868461	-0.23739	0.812351
ENSG00000229647.2	21.92736128	-0.15007	0.846096	-0.17737	0.859221
ENSG00000104883.8	21.93176529	-0.50596	0.84239	-0.60062	0.548091
ENSG00000225684.4	21.93182719	3.006832	1.128563	2.664301	0.007715
ENSG00000129646.14	21.94245223	0.410921	0.887189	0.463171	0.643242
ENSG00000162881.6	21.9475338	-0.77452	0.98292	-0.78798	0.430708
ENSG00000185272.14	21.96506384	-0.23573	0.838816	-0.28103	0.778689
ENSG00000269145.2	21.96653855	0.34385	0.839502	0.409588	0.682108
ENSG00000269514.3	21.9763238	0.372086	0.896948	0.414835	0.678262
ENSG00000233144.1	21.97854571	-0.03953	0.878341	-0.04501	0.964103
ENSG00000141086.18	21.97888731	0.767525	0.862273	0.890119	0.373402
ENSG00000110076.19	21.98962729	1.433156	1.053688	1.360134	0.173787
ENSG00000265688.2	22.00319867	0.353961	0.870219	0.40675	0.684192
ENSG00000038295.8	22.00546125	0.075024	1.019627	0.07358	0.941345
ENSG00000104894.12	22.01014407	0.282199	0.842501	0.334954	0.73766
ENSG00000203546.7	22.02236913	-0.92245	0.865799	-1.06544	0.286678
ENSG00000139714.12	22.02330089	0.214857	0.902275	0.238128	0.811782
ENSG00000168918.14	22.03100374	0.850963	1.019797	0.834443	0.404031
ENSG00000271533.1	22.0454323	-0.11675	0.83327	-0.14011	0.888575
ENSG00000064692.20	22.05346703	1.029664	0.881224	1.168448	0.242626
ENSG00000284461.2	22.05915377	-1.83898	1.044711	-1.76028	0.078361
ENSG00000180875.5	22.05969514	1.454185	0.941665	1.54427	0.122523
ENSG00000134548.11	22.06010977	-0.87216	0.96132	-0.90725	0.364272
ENSG00000198108.4	22.07121701	2.079474	0.9861	2.108786	0.034963
ENSG00000251664.5	22.07865547	-0.32297	0.838084	-0.38537	0.699967
ENSG00000287608.1	22.08981495	-0.44123	0.886125	-0.49793	0.618534
ENSG00000285948.1	22.09356206	1.059677	0.846241	1.252216	0.210491
ENSG00000113805.8	22.10134975	1.071478	0.886076	1.20924	0.226571
ENSG00000113205.5	22.10825395	0.655957	0.885083	0.741124	0.458618
ENSG00000180015.12	22.1171322	-0.13921	0.869149	-0.16017	0.872751
ENSG00000272894.5	22.12820167	-0.40447	0.859188	-0.47076	0.637812
ENSG00000272275.1	22.13124643	-0.31716	0.96009	-0.33034	0.74114
ENSG00000187479.8	22.13645553	1.490468	0.878512	1.696582	0.089776
ENSG00000223949.8	22.15661327	-0.40302	0.879333	-0.45832	0.646723
ENSG00000132016.11	22.1625939	-0.09411	0.838147	-0.11229	0.910595
ENSG00000250132.6	22.1633907	0.260969	0.84097	0.310319	0.756318
ENSG00000089041.17	22.17664554	-0.76501	0.982021	-0.77901	0.435973
ENSG00000262001.1	22.18078993	0.298299	0.945224	0.315585	0.752317
ENSG00000214226.9	22.18523794	-0.18803	0.964103	-0.19503	0.84537
ENSG00000188004.11	22.1862881	0.661433	0.863184	0.766272	0.443515
ENSG00000215769.8	22.18904339	-1.20701	0.844728	-1.42888	0.15304
ENSG00000236345.1	22.20001206	0.215915	0.844003	0.255822	0.798088
ENSG00000042781.14	22.20903857	1.996029	0.865617	2.305902	0.021116
ENSG00000102879.16	22.21682272	0.255616	0.83468	0.306244	0.759419
ENSG00000241764.4	22.22488468	-0.07551	0.843	-0.08957	0.928626
ENSG00000186235.11	22.23907597	-0.78384	0.938496	-0.8352	0.403603
ENSG00000269427.1	22.25265193	-0.51779	0.826085	-0.6268	0.53079
ENSG00000099864.18	22.25615048	0.755216	0.909261	0.830583	0.40621
ENSG00000283737.1	22.26904399	1.764056	1.077208	1.637618	0.101501

ENSG00000187185.4	22.27138559	-0.38714	0.92133	-0.42019	0.674345
ENSG00000236698.1	22.29027332	-1.73927	1.094182	-1.58956	0.111934
ENSG00000169330.9	22.29918023	0.29106	0.913266	0.318703	0.749952
ENSG00000180884.10	22.3058594	-1.30434	0.963744	-1.3534	0.175927
ENSG00000113430.10	22.33850561	0.816745	0.910896	0.896639	0.369912
ENSG00000132801.7	22.34035433	0.294111	0.857679	0.342915	0.731662
ENSG00000227218.7	22.35444907	0.67061	0.904587	0.741343	0.458485
ENSG00000224287.2	22.36581838	0.875596	1.018728	0.859499	0.390065
ENSG00000183250.12	22.36872921	0.875824	0.886015	0.988498	0.322909
ENSG00000256262.1	22.36980304	-0.00991	0.828094	-0.01197	0.990449
ENSG00000266865.6	22.38958762	0.123747	0.839299	0.147441	0.882784
ENSG00000167216.17	22.38965372	0.438344	0.962005	0.455657	0.648637
ENSG00000260000.2	22.39241801	0.441463	0.839116	0.526105	0.598815
ENSG00000152093.8	22.39649692	-0.64175	3.840758	-0.16709	0.867299
ENSG00000157554.19	22.40040381	0.107753	0.832766	0.129391	0.897048
ENSG00000272455.1	22.40916562	2.231606	0.96917	2.302595	0.021302
ENSG00000177300.7	22.4242626	0.050935	0.846875	0.060144	0.952041
ENSG00000180777.14	22.43766008	0.573899	0.831343	0.690328	0.489988
ENSG00000158246.8	22.44034511	0.537958	0.860319	0.625301	0.531774
ENSG00000167080.9	22.44578462	1.346409	0.904492	1.488581	0.136598
ENSG00000156500.15	22.45379474	-0.2996	0.841528	-0.35602	0.721825
ENSG00000125804.14	22.45497317	0.417198	0.968607	0.43072	0.666672
ENSG00000273148.1	22.4801335	-0.14808	1.024478	-0.14454	0.885073
ENSG00000278743.1	22.48347885	0.416591	0.914379	0.4556	0.648677
ENSG00000009790.15	22.48706267	-0.02767	0.921021	-0.03004	0.976036
ENSG00000228889.7	22.49590577	0.074572	0.833862	0.08943	0.92874
ENSG00000099999.15	22.50425726	1.236869	0.846414	1.461305	0.143932
ENSG00000116771.6	22.51054866	0.156772	0.824834	0.190065	0.849258
ENSG00000236364.4	22.51672963	0.415154	0.823955	0.503856	0.614363
ENSG00000250602.6	22.52214343	0.130684	0.839959	0.155584	0.876361
ENSG00000100767.17	22.53383388	-0.09984	0.864416	-0.1155	0.908052
ENSG00000162745.10	22.53418092	0.106462	0.937082	0.11361	0.909547
ENSG00000286444.1	22.53949931	-1.09454	0.910829	-1.2017	0.229481
ENSG00000146054.18	22.54903155	-0.02388	0.822936	-0.02902	0.976849
ENSG00000130592.17	22.54942276	-0.36748	1.01246	-0.36296	0.716636
ENSG00000100625.9	22.55658455	0.293123	0.843284	0.347596	0.728143
ENSG00000185897.7	22.55892016	-0.04563	0.958616	-0.04761	0.962031
ENSG00000162738.6	22.5695401	0.985078	0.862734	1.141809	0.253533
ENSG00000237491.10	22.56992257	0.421642	0.869904	0.484699	0.62789
ENSG00000258938.1	22.57328238	-0.56905	0.823316	-0.69117	0.48946
ENSG00000273373.1	22.57607838	0.884015	0.877981	1.006873	0.313996
ENSG00000273451.1	22.60060086	-0.67278	0.934443	-0.71998	0.47154
ENSG00000278784.1	22.60866992	0.337576	0.850612	0.396863	0.691469
ENSG00000269907.1	22.61946712	0.397126	1.31465	0.302077	0.762593
ENSG00000279342.2	22.62033926	0.904894	0.941245	0.96138	0.336361
ENSG00000167705.12	22.64344488	0.309294	0.874644	0.353622	0.723622
ENSG00000227540.1	22.64821247	-0.41325	0.851557	-0.48529	0.627474
ENSG00000153982.11	22.65129898	-0.50376	0.847836	-0.59417	0.552395
ENSG00000286071.1	22.66669208	-0.15853	1.281898	-0.12367	0.901576
ENSG00000259305.6	22.67123409	0.724627	0.824725	0.878629	0.379602
ENSG00000184481.17	22.68282645	-0.5081	0.937805	-0.5418	0.587958
ENSG00000178026.13	22.68443914	-0.12475	0.847724	-0.14716	0.883005

ENSG00000273033.2	22.6893835	0.448719	0.825102	0.543834	0.586556
ENSG00000268119.6	22.69545325	0.470446	0.835394	0.563143	0.573338
ENSG00000280241.4	22.69702659	0.700567	1.045099	0.670336	0.502644
ENSG00000164107.9	22.71374309	2.119287	0.911407	2.32529	0.020056
ENSG00000108352.13	22.71620515	0.827179	0.922889	0.896293	0.370096
ENSG00000225138.8	22.72234357	1.283275	0.960112	1.336588	0.181357
ENSG00000259905.7	22.72256663	1.353928	0.864232	1.566626	0.117202
ENSG00000265148.6	22.73990939	-0.7073	0.822243	-0.86021	0.389674
ENSG00000185710.9	22.74062029	-2.06721	1.154474	-1.79061	0.073356
ENSG00000146070.17	22.75224321	-1.27656	1.011514	-1.26203	0.206938
ENSG00000227619.3	22.76537488	1.386469	0.941127	1.473201	0.140697
ENSG00000287629.1	22.76634715	0.975626	0.864448	1.128611	0.259062
ENSG00000286532.1	22.77700977	0.585873	0.886633	0.660784	0.508751
ENSG00000226471.6	22.82081449	0.079116	0.849112	0.093174	0.925765
ENSG00000124257.6	22.82187316	-0.19063	0.866682	-0.21995	0.82591
ENSG00000229047.1	22.82266567	0.341667	0.82757	0.412856	0.679712
ENSG00000172927.8	22.8256646	0.735651	0.837107	0.878802	0.379509
ENSG00000173557.15	22.84457084	0.975999	0.901131	1.083083	0.278772
ENSG00000158773.14	22.8519818	-0.09974	0.887922	-0.11233	0.910566
ENSG00000168481.9	22.88814421	0.201891	0.897419	0.224968	0.822004
ENSG00000258317.1	22.90393803	-0.1505	0.834367	-0.18038	0.856855
ENSG00000113327.17	22.90468923	1.000888	0.834015	1.200084	0.230107
ENSG00000274979.1	22.94414927	2.329235	1.092339	2.132338	0.032979
ENSG00000203469.2	22.95832775	0.244539	0.843475	0.289918	0.771879
ENSG00000151490.15	22.96021516	1.668802	0.954175	1.748948	0.0803
ENSG00000235872.2	22.97173255	-0.42862	0.829805	-0.51653	0.605482
ENSG00000141519.15	22.97472262	-0.37595	0.827566	-0.45429	0.649623
ENSG00000181773.7	22.98503757	0.676052	0.931365	0.725872	0.467917
ENSG00000246366.6	22.9875756	0.304317	0.815468	0.37318	0.709014
ENSG00000054598.9	22.99165436	1.670506	1.029011	1.623409	0.104502
ENSG00000182329.14	22.99386847	1.058721	0.943929	1.121611	0.262028
ENSG00000229994.1	22.99436703	0.190765	0.828194	0.230339	0.817828
ENSG00000170989.10	23.00235017	1.486128	0.947671	1.568189	0.116837
ENSG00000182993.5	23.0247245	0.888674	0.867117	1.02486	0.305429
ENSG00000279765.3	23.03207381	0.776428	0.967016	0.802911	0.422026
ENSG00000286098.1	23.03223005	-2.18137	3.841669	-0.56782	0.570159
ENSG00000145936.9	23.03316397	1.728288	0.875356	1.974383	0.048338
ENSG00000285130.2	23.04308723	-0.01236	1.318249	-0.00938	0.99252
ENSG00000286319.1	23.04326026	-0.72471	0.820628	-0.88312	0.37717
ENSG00000285184.3	23.05136803	1.656519	0.906323	1.827736	0.067589
ENSG00000261373.1	23.05293559	0.713621	0.85689	0.832803	0.404956
ENSG00000103569.10	23.05986871	1.729566	1.02587	1.68595	0.091805
ENSG00000255198.4	23.06176054	1.316459	0.930426	1.4149	0.157098
ENSG00000130997.16	23.06192017	1.105349	1.006261	1.098471	0.271999
ENSG00000174125.8	23.0650326	-0.57202	0.895136	-0.63903	0.522806
ENSG00000101353.15	23.07366923	-0.02154	0.83111	-0.02592	0.979324
ENSG00000102445.19	23.07764417	0.922659	0.897876	1.027602	0.304137
ENSG00000286018.1	23.07798537	-0.13497	0.8341	-0.16182	0.871447
ENSG00000197380.11	23.08104394	1.296998	0.964098	1.345297	0.178529
ENSG00000279217.1	23.08500028	3.349848	1.081898	3.096271	0.00196
ENSG00000082196.20	23.08591499	0.202513	0.849073	0.238511	0.811485
ENSG00000102098.19	23.08606633	-0.30519	0.86158	-0.35422	0.723171

ENSG00000279249.3	23.10421232	1.134716	0.840582	1.349918	0.177042
ENSG00000259959.1	23.13089107	-0.0979	0.864509	-0.11324	0.909838
ENSG00000233930.4	23.13334405	-1.14533	0.861286	-1.32979	0.183589
ENSG00000237424.1	23.13428216	0.24745	0.829338	0.29837	0.765421
ENSG00000270316.1	23.14410875	4.754137	1.328345	3.578993	0.000345
ENSG00000043462.13	23.14639801	0.781387	0.870214	0.897926	0.369225
ENSG00000165171.11	23.14886022	0.058872	0.865222	0.068043	0.945752
ENSG00000179603.18	23.15004211	-0.37185	0.834266	-0.44572	0.6558
ENSG00000229178.1	23.15619791	-0.18035	0.976335	-0.18472	0.853446
ENSG00000279696.1	23.16065396	0.34104	0.821011	0.415391	0.677856
ENSG00000251372.6	23.16084857	3.139631	1.266568	2.478848	0.013181
ENSG00000168646.13	23.17486035	0.386156	0.855071	0.451608	0.651552
ENSG00000235020.5	23.19045189	0.917625	0.843226	1.088233	0.276492
ENSG00000101162.4	23.20815218	0.144034	0.838328	0.171812	0.863586
ENSG00000231560.1	23.20974668	1.895079	1.030319	1.839313	0.065869
ENSG00000154975.14	23.21293939	-0.59151	0.924087	-0.6401	0.522107
ENSG00000106536.21	23.21641776	0.314381	0.822925	0.382029	0.70244
ENSG00000215695.1	23.22067336	-0.66604	3.140869	-0.21206	0.832063
ENSG00000176438.12	23.22160794	1.088551	0.87527	1.243675	0.213619
ENSG00000255455.2	23.22270252	0.466038	0.820641	0.567895	0.570106
ENSG00000036448.10	23.22774275	-0.37895	0.880472	-0.4304	0.666907
ENSG00000279399.1	23.23170772	-0.27658	0.830708	-0.33294	0.739178
ENSG00000226686.8	23.24532609	0.471196	0.824675	0.571372	0.567748
ENSG00000233728.1	23.24655093	0.006271	0.91679	0.006841	0.994542
ENSG00000267040.6	23.25174806	-0.80213	0.861732	-0.93084	0.351937
ENSG00000246451.2	23.25725931	0.499287	0.816723	0.611329	0.540982
ENSG00000161912.18	23.26396383	0.54593	0.95305	0.572824	0.566764
ENSG00000273599.1	23.27753718	0.222643	0.810556	0.27468	0.783562
ENSG00000183715.13	23.28092416	0.950141	1.032379	0.920341	0.357395
ENSG00000246283.2	23.28324723	-0.24979	0.846994	-0.29491	0.76806
ENSG00000160219.12	23.28326838	-0.39715	0.848422	-0.4681	0.639713
ENSG00000285664.2	23.28340443	0.263271	0.823437	0.319722	0.749179
ENSG00000279476.1	23.2865816	0.137407	0.875118	0.157015	0.875233
ENSG00000166578.10	23.29484899	0.220536	0.812784	0.271335	0.786134
ENSG00000142046.15	23.30112845	-0.77473	0.853785	-0.9074	0.364193
ENSG00000267058.1	23.30391317	0.505268	1.043591	0.484163	0.62827
ENSG00000244041.7	23.31037063	-0.47794	0.859643	-0.55597	0.578228
ENSG00000126860.12	23.31331725	0.067806	0.822812	0.082407	0.934323
ENSG00000171246.6	23.32799517	1.530588	0.94572	1.618437	0.105568
ENSG00000111879.20	23.32800117	0.018951	0.829903	0.022835	0.981782
ENSG00000077080.10	23.33634867	-0.80613	0.91765	-0.87847	0.37969
ENSG00000132749.11	23.34021337	2.439635	1.072127	2.27551	0.022875
ENSG00000170091.11	23.3495096	0.780061	0.940147	0.829722	0.406696
ENSG00000162692.12	23.35654198	-0.39437	0.8977	-0.43931	0.660434
ENSG00000254422.1	23.35694685	0.847952	0.850538	0.996959	0.318785
ENSG00000049247.14	23.3651526	-0.5668	0.822766	-0.6889	0.490889
ENSG00000105650.22	23.36522286	-0.57389	1.265257	-0.45358	0.650134
ENSG00000197046.12	23.38540164	0.078741	0.916225	0.085941	0.931513
ENSG00000229018.5	23.39571011	-0.55561	0.873917	-0.63577	0.524923
ENSG00000287543.1	23.41159924	-0.1698	0.853727	-0.1989	0.842343
ENSG00000239445.6	23.42165446	0.367035	0.826334	0.444173	0.656918
ENSG00000240747.8	23.42868443	0.673321	0.838048	0.803439	0.421721

ENSG00000059377.18	23.43743357	0.696131	0.820216	0.848717	0.396039
ENSG00000269937.1	23.44220875	-0.04275	0.819755	-0.05215	0.95841
ENSG00000126785.13	23.44277084	-0.18356	0.846733	-0.21679	0.828375
ENSG00000115556.14	23.44750578	-0.33701	0.883661	-0.38138	0.702918
ENSG00000230510.7	23.45187887	0.130753	0.855887	0.152769	0.878581
ENSG00000257279.1	23.46416715	-0.39008	0.835461	-0.46691	0.640567
ENSG00000283633.1	23.46559903	0.558373	0.83247	0.670743	0.502384
ENSG00000261221.3	23.47546345	0.669858	0.839077	0.798327	0.424681
ENSG00000270986.1	23.47811223	-0.45521	0.820051	-0.5551	0.578825
ENSG00000154856.13	23.48965454	1.543818	0.920593	1.676983	0.093546
ENSG00000254585.5	23.49065517	0.245527	0.859744	0.285581	0.775199
ENSG00000090971.5	23.50421032	2.682254	0.950889	2.820787	0.004791
ENSG00000136231.14	23.50454431	-0.52166	0.856688	-0.60892	0.542576
ENSG00000272851.1	23.51993556	0.664702	0.824179	0.806503	0.419953
ENSG00000084628.10	23.53285662	0.186168	0.863701	0.215547	0.829341
ENSG00000227268.4	23.53821285	0.730636	0.820958	0.88998	0.373477
ENSG00000130540.14	23.55933883	-0.05634	0.830852	-0.0678	0.945942
ENSG00000109674.4	23.58800386	0.738838	0.891678	0.828593	0.407335
ENSG00000237984.3	23.59309809	-0.52041	1.281872	-0.40598	0.684758
ENSG00000101605.13	23.6126372	0.49431	0.859519	0.5751	0.565224
ENSG00000236671.9	23.61406734	1.279937	0.867942	1.47468	0.140298
ENSG00000079337.16	23.61606614	0.835396	0.837427	0.997574	0.318486
ENSG00000272617.3	23.6196376	6.851165	3.843422	1.782569	0.074656
ENSG00000072858.11	23.62066799	0.362761	1.039749	0.348893	0.72717
ENSG00000232220.2	23.62208953	0.109229	0.853456	0.127985	0.898161
ENSG00000182057.5	23.62402593	-0.18851	0.8464	-0.22272	0.82375
ENSG00000253877.6	23.62566441	2.586104	0.936124	2.762565	0.005735
ENSG00000260261.2	23.6262595	0.246766	0.85282	0.289353	0.772311
ENSG00000162373.13	23.63011865	-0.81987	0.914937	-0.8961	0.3702
ENSG00000169946.14	23.63380696	1.7207	1.007305	1.708221	0.087595
ENSG00000146966.13	23.63759997	0.300787	0.847263	0.35501	0.722582
ENSG00000104140.7	23.64205454	-0.03987	0.82903	-0.04809	0.961642
ENSG00000225880.5	23.6466838	-0.16915	0.854689	-0.19791	0.843119
ENSG00000139631.18	23.65783845	0.621429	0.832061	0.746855	0.455151
ENSG00000258646.1	23.65854052	0.564831	0.824068	0.685417	0.493081
ENSG00000256029.6	23.66259183	1.190714	1.15159	1.033974	0.301148
ENSG00000279912.1	23.67307871	1.530715	1.032441	1.482617	0.138176
ENSG00000187801.15	23.68082812	-0.44897	0.843506	-0.53227	0.594541
ENSG00000234665.9	23.69433936	0.078082	0.915104	0.085326	0.932003
ENSG00000281880.2	23.695385	0.750151	0.872559	0.859713	0.389947
ENSG00000256268.2	23.70239958	-1.65405	0.899247	-1.83938	0.06586
ENSG00000227199.1	23.71312911	-0.16311	0.807723	-0.20194	0.839965
ENSG00000286312.1	23.72140158	-0.92564	0.815069	-1.13566	0.256097
ENSG00000121207.12	23.73148766	1.245794	0.826262	1.507746	0.13162
ENSG00000251141.6	23.75833386	-0.18078	0.835491	-0.21637	0.828696
ENSG00000155066.16	23.76187922	0.527666	0.861033	0.612829	0.53999
ENSG00000119227.8	23.76634735	-0.08262	0.829698	-0.09958	0.920679
ENSG00000171680.23	23.76645527	0.237662	0.824869	0.288121	0.773254
ENSG00000162543.6	23.7683039	-0.00996	0.820032	-0.01215	0.990309
ENSG00000228903.7	23.77368194	0.341008	0.938985	0.363167	0.71648
ENSG00000272189.1	23.78349372	0.267659	0.868325	0.308247	0.757894
ENSG00000127903.14	23.78641048	-0.20537	0.824568	-0.24907	0.803307

ENSG00000205710.4	23.79727362	-0.38305	0.832186	-0.46029	0.645309
ENSG00000260329.1	23.80949753	0.156521	0.847722	0.184637	0.853514
ENSG00000204390.10	23.82105963	0.790646	0.824727	0.958676	0.337722
ENSG00000239911.2	23.82531574	0.668585	0.844478	0.791714	0.428527
ENSG00000167654.18	23.82787362	0.519778	0.820464	0.633517	0.526396
ENSG00000260917.1	23.83481653	0.026654	0.830906	0.032079	0.974409
ENSG00000140057.9	23.85155299	0.79795	0.825811	0.966263	0.333913
ENSG00000283341.2	23.85640423	-0.00127	0.833809	-0.00153	0.998783
ENSG00000188985.6	23.86169498	-0.96591	0.955032	-1.01139	0.31183
ENSG00000150773.10	23.86984463	0.108574	0.806932	0.134551	0.892967
ENSG00000166816.15	23.88422783	0.559607	0.843547	0.663397	0.507076
ENSG00000138669.9	23.90471977	-0.77561	0.866314	-0.8953	0.370628
ENSG00000162444.12	23.93545374	-1.10032	0.920049	-1.19594	0.231721
ENSG00000010327.10	23.95031104	1.557811	0.988286	1.576275	0.114962
ENSG00000137265.15	23.96671464	-0.9775	0.827226	-1.18166	0.237341
ENSG00000272821.1	23.98244103	0.056257	3.837141	0.014661	0.988303
ENSG00000197085.11	23.99828396	-0.86882	1.071587	-0.81078	0.417494
ENSG00000172650.13	23.99941592	0.970342	0.832248	1.165929	0.243643
ENSG00000234857.2	24.0136372	-1.69753	3.839966	-0.44207	0.65844
ENSG00000170629.14	24.01504063	1.12515	0.995751	1.129951	0.258497
ENSG00000272667.1	24.02085101	0.280894	0.81182	0.346004	0.729339
ENSG00000160796.18	24.02210372	0.2206	0.888504	0.248283	0.803916
ENSG00000170837.3	24.03316208	0.64692	0.845707	0.764945	0.444304
ENSG00000275400.1	24.05328312	-0.35061	0.836394	-0.4192	0.675072
ENSG00000136267.13	24.05402972	-0.17797	0.807294	-0.22045	0.825517
ENSG00000135045.7	24.07055039	1.130722	0.815423	1.386669	0.165543
ENSG00000105538.10	24.07176096	0.364382	0.892393	0.40832	0.683039
ENSG00000144460.12	24.09823204	-0.16946	0.85601	-0.19796	0.843075
ENSG00000248429.5	24.10073966	-0.31079	0.831286	-0.37386	0.708508
ENSG00000102678.7	24.10112164	-0.29087	0.910307	-0.31953	0.749324
ENSG00000162139.10	24.10216861	0.791989	0.818356	0.967781	0.333154
ENSG00000188315.8	24.1061444	-0.26361	0.896539	-0.29403	0.768738
ENSG00000204815.10	24.1159407	0.074183	0.8387	0.08845	0.929519
ENSG00000272636.4	24.13609272	2.069385	0.959528	2.156671	0.031031
ENSG00000274561.1	24.13673537	-0.21074	0.833378	-0.25287	0.800366
ENSG00000260528.5	24.14157601	0.942998	0.951204	0.991373	0.321504
ENSG00000224848.2	24.14597563	0.330776	0.845685	0.391134	0.695698
ENSG00000255458.7	24.17989072	0.888868	0.816765	1.088279	0.276472
ENSG00000112039.5	24.19554615	0.694274	0.923102	0.75211	0.451985
ENSG00000204131.9	24.21462258	1.061947	1.119125	0.948909	0.342667
ENSG00000112837.17	24.22890889	0.745729	0.964249	0.773379	0.439298
ENSG00000080947.15	24.2341517	-0.05061	0.815338	-0.06207	0.950504
ENSG00000176826.15	24.24220477	0.165932	0.81676	0.203158	0.839011
ENSG00000261832.6	24.2452625	-1.8316	0.93944	-1.94968	0.051215
ENSG00000178222.13	24.2460478	0.090463	0.824948	0.109659	0.91268
ENSG00000205562.3	24.25614742	0.946892	0.87682	1.079916	0.28018
ENSG00000171631.15	24.26328305	-0.18211	0.836285	-0.21776	0.827615
ENSG00000239467.6	24.27315363	-0.38734	0.826092	-0.46888	0.639153
ENSG00000154133.15	24.28762716	1.417864	1.040829	1.362245	0.17312
ENSG00000245213.7	24.29179773	-0.21468	0.8093	-0.26526	0.790808
ENSG00000186188.11	24.29352419	-0.07563	0.824561	-0.09172	0.926924
ENSG00000100351.17	24.2935905	-0.45087	0.846243	-0.53279	0.594181

ENSG00000173531.15	24.30981616	-0.0245	0.797656	-0.03071	0.9755
ENSG00000173267.14	24.32649151	0.149133	0.828984	0.179899	0.857232
ENSG00000279095.1	24.32816318	1.696696	3.953262	0.429189	0.667786
ENSG00000286042.1	24.34399383	2.61565	1.087916	2.404276	0.016205
ENSG00000270344.3	24.34478066	0.774827	0.867888	0.892773	0.371979
ENSG00000250116.2	24.34761382	-0.94446	0.921934	-1.02444	0.305628
ENSG00000253106.1	24.3490086	-0.41105	0.831287	-0.49448	0.620969
ENSG00000224578.5	24.35195	0.866833	0.886761	0.977527	0.328308
ENSG00000236581.9	24.35831759	-0.50836	0.795492	-0.63905	0.522793
ENSG00000006025.12	24.36173657	0.223128	0.800842	0.278617	0.780539
ENSG00000274173.1	24.36371271	-0.10365	0.874511	-0.11852	0.905654
ENSG00000185760.16	24.36823181	1.248076	0.949602	1.314316	0.18874
ENSG00000106804.8	24.38342916	0.624857	0.836473	0.747015	0.455055
ENSG00000149646.12	24.39342078	0.804967	0.803331	1.002036	0.316326
ENSG00000154025.16	24.39933575	0.83045	0.825517	1.005975	0.314427
ENSG00000166507.19	24.40707861	0.336215	0.898544	0.374178	0.708272
ENSG00000184613.11	24.40802099	0.486876	0.911064	0.534404	0.593062
ENSG00000169508.7	24.41728146	0.765824	0.90017	0.850755	0.394905
ENSG00000174384.9	24.41819834	-0.8491	0.820941	-1.0343	0.300995
ENSG00000206567.10	24.42691052	0.734902	0.867003	0.847635	0.396641
ENSG00000274904.1	24.43108683	-0.54677	0.815989	-0.67007	0.502815
ENSG00000188613.7	24.43201026	1.831545	0.841807	2.175729	0.029575
ENSG00000141391.14	24.44375368	-0.62269	0.808601	-0.77009	0.441248
ENSG00000110876.10	24.47352724	0.251956	0.840146	0.299895	0.764257
ENSG00000144681.10	24.48357607	0.052646	0.804017	0.065478	0.947793
ENSG00000286155.1	24.50509971	2.048337	1.207922	1.695753	0.089933
ENSG00000134539.17	24.51074477	3.935719	1.204407	3.267766	0.001084
ENSG00000169245.6	24.51235992	0.262116	0.938868	0.279182	0.780105
ENSG00000121753.12	24.51328141	0.292174	0.816322	0.357916	0.720406
ENSG00000188916.9	24.51466013	-0.56189	0.848372	-0.66231	0.507772
ENSG00000067840.12	24.5202415	-0.05691	0.850848	-0.06689	0.94667
ENSG00000263859.1	24.52220228	0.789909	0.869255	0.908719	0.363499
ENSG00000197614.11	24.52521239	-0.99996	0.844514	-1.18407	0.236385
ENSG00000159753.14	24.52600807	0.985294	0.813026	1.211884	0.225557
ENSG00000260279.4	24.55505585	-0.48285	0.891404	-0.54167	0.588045
ENSG00000267257.1	24.56165759	-0.07012	0.849477	-0.08254	0.934217
ENSG00000249378.6	24.58051741	2.034741	0.96148	2.116259	0.034323
ENSG00000185942.12	24.58497661	2.388685	0.961905	2.483285	0.013018
ENSG00000248307.6	24.58572085	0.354743	0.809	0.438495	0.661027
ENSG00000140749.9	24.58693801	0.010598	0.940779	0.011265	0.991012
ENSG00000135314.12	24.61506276	-0.04841	0.798241	-0.06065	0.951642
ENSG00000280798.1	24.61836204	0.301266	0.816993	0.36875	0.712314
ENSG00000151687.14	24.63836021	-1.2341	0.855054	-1.4433	0.148936
ENSG00000185697.16	24.65278825	0.234647	0.811556	0.289132	0.77248
ENSG00000196167.10	24.65529453	0.584864	0.957107	0.611074	0.54115
ENSG00000236790.6	24.67203488	1.519779	1.022185	1.486795	0.137069
ENSG00000232295.7	24.69257977	0.304065	0.7925	0.383678	0.701217
ENSG00000124701.5	24.7246735	-1.1118	0.889484	-1.24994	0.211322
ENSG00000143450.17	24.72837241	-0.81805	0.806657	-1.01412	0.310526
ENSG00000256349.1	24.7301057	5.594986	2.634376	2.123837	0.033684
ENSG00000241560.7	24.74154391	-0.82705	0.820839	-1.00756	0.313663
ENSG00000167165.19	24.7468137	0.309545	0.894086	0.346214	0.729182

ENSG00000029534.21	24.74880494	0.361649	0.870654	0.415376	0.677866
ENSG000000286067.1	24.74946195	-0.1844	0.795676	-0.23175	0.816735
ENSG00000048540.15	24.75248957	0.784389	0.969201	0.809315	0.418334
ENSG000000223947.1	24.75504392	0.465282	0.824583	0.564264	0.572575
ENSG000000204618.8	24.75563193	0.996536	0.998754	0.99778	0.318386
ENSG000000111052.7	24.75626915	2.147111	0.876104	2.450749	0.014256
ENSG000000160172.10	24.76875624	-0.27902	0.790034	-0.35317	0.723962
ENSG000000269226.7	24.7948805	-0.20665	0.831428	-0.24855	0.803706
ENSG000000121236.21	24.81755559	0.716457	0.801593	0.893792	0.371433
ENSG000000157368.10	24.8292649	-0.67287	0.818629	-0.82195	0.411106
ENSG000000248473.2	24.8486601	4.149271	1.319407	3.1448	0.001662
ENSG000000254894.1	24.85576034	-0.86014	0.798181	-1.07762	0.281204
ENSG000000273820.2	24.88432457	1.199514	0.831469	1.442645	0.149121
ENSG000000103599.20	24.91275528	-0.34152	0.816532	-0.41825	0.675761
ENSG000000284882.1	24.91697079	-0.16003	0.807223	-0.19825	0.84285
ENSG000000137747.16	24.92238115	-0.69292	0.862137	-0.80373	0.421555
ENSG000000175287.19	24.93541353	-0.65734	0.808738	-0.8128	0.416334
ENSG000000279452.1	24.95660673	0.134571	0.881028	0.152744	0.8786
ENSG000000118432.12	24.96188974	0.47195	0.914497	0.516076	0.605801
ENSG000000180537.13	24.97228364	-0.28958	0.905733	-0.31972	0.749182
ENSG000000182050.13	24.98642454	0.720193	0.807464	0.891919	0.372436
ENSG000000277283.1	24.99251815	1.239244	0.851673	1.455069	0.14565
ENSG000000278662.5	25.00419679	-0.43936	0.813604	-0.54001	0.589188
ENSG000000185133.14	25.00833759	-0.00054	0.790955	-0.00068	0.999458
ENSG000000090539.15	25.00949416	1.375329	0.92645	1.484515	0.137672
ENSG000000248643.5	25.00996768	0.768717	0.794772	0.967217	0.333436
ENSG000000223685.6	25.02065828	-0.02113	0.803928	-0.02629	0.979029
ENSG000000213801.4	25.02222696	0.554055	0.833845	0.664458	0.506397
ENSG000000185615.16	25.02779471	0.013343	0.875798	0.015236	0.987844
ENSG000000245662.4	25.03504065	0.316478	0.832549	0.380132	0.703847
ENSG000000188921.14	25.04076311	-0.30267	0.79222	-0.38205	0.702422
ENSG000000196169.15	25.05846826	0.813695	0.917817	0.886554	0.375319
ENSG000000150627.15	25.05868654	0.07423	0.828842	0.089559	0.928638
ENSG000000113389.16	25.06320876	1.614609	0.843048	1.915204	0.055466
ENSG000000033122.21	25.07783197	0.6548	0.888907	0.736634	0.461345
ENSG000000214960.11	25.07920866	0.19733	0.791257	0.249389	0.80306
ENSG000000136541.15	25.0876145	0.607086	0.864417	0.702308	0.482487
ENSG000000172296.13	25.08880275	0.863387	0.850094	1.015637	0.309802
ENSG000000176971.4	25.09046364	0.153129	0.890301	0.171997	0.86344
ENSG000000198221.10	25.09167468	-0.11672	1.08295	-0.10778	0.914169
ENSG000000266086.3	25.10251147	0.177659	0.810878	0.219095	0.826576
ENSG000000283463.2	25.11728912	0.87294	0.816638	1.068944	0.285095
ENSG000000075826.17	25.11879422	0.451199	0.819472	0.550597	0.58191
ENSG000000244694.7	25.12208479	-0.41035	0.797741	-0.51438	0.606984
ENSG000000163631.17	25.12712814	0.143788	0.837699	0.171647	0.863715
ENSG000000272078.1	25.1297437	2.252369	0.885216	2.54443	0.010946
ENSG000000260121.1	25.13419505	0.515829	0.822323	0.627282	0.530474
ENSG000000278530.4	25.16582649	-0.44684	0.870805	-0.51313	0.60786
ENSG000000272906.1	25.17228923	-0.55209	0.887444	-0.62211	0.533871
ENSG000000227518.5	25.17435328	0.677282	0.872778	0.776007	0.437745
ENSG000000272870.3	25.17890915	0.347014	0.807277	0.429857	0.6673
ENSG000000244625.7	25.18675387	0.123263	0.811814	0.151836	0.879316

ENSG00000133433.11	25.18887869	-0.74465	0.870958	-0.85498	0.392564
ENSG00000178184.16	25.19324405	0.752405	0.865531	0.869299	0.384684
ENSG00000224790.3	25.19520443	0.25975	0.858612	0.302523	0.762253
ENSG00000253174.2	25.20651973	-0.08845	0.831762	-0.10634	0.915309
ENSG00000197405.8	25.21810307	0.458247	0.912935	0.501949	0.615703
ENSG00000103522.16	25.22688935	2.300737	1.014604	2.267622	0.023352
ENSG00000137834.15	25.22758014	1.818202	0.892169	2.037957	0.041554
ENSG00000186862.20	25.23352346	-0.15639	0.846591	-0.18473	0.853443
ENSG00000142530.11	25.23655644	-0.05643	0.803602	-0.07023	0.944014
ENSG00000266904.6	25.27912553	-0.62129	0.799035	-0.77755	0.436834
ENSG00000170454.6	25.28004229	-0.13492	0.805192	-0.16757	0.866925
ENSG00000143595.13	25.2881249	0.001112	0.80587	0.00138	0.998899
ENSG00000163219.12	25.28857323	0.177302	0.826417	0.214542	0.830124
ENSG00000164318.18	25.29048311	0.087413	0.825901	0.10584	0.915709
ENSG00000137968.16	25.3000743	-0.49708	0.789253	-0.62981	0.528819
ENSG00000143632.14	25.30170585	0.748592	0.84848	0.882274	0.377629
ENSG00000172548.14	25.31457557	0.365506	0.987205	0.370243	0.711201
ENSG00000163827.13	25.31695925	-0.39706	0.812835	-0.48849	0.625206
ENSG00000280434.1	25.3327012	0.252972	0.868858	0.291155	0.770933
ENSG00000273156.2	25.34025351	0.422369	0.867995	0.486604	0.626539
ENSG00000175356.13	25.34656457	0.804734	0.842508	0.955165	0.339494
ENSG00000223764.2	25.34685673	0.290693	0.836701	0.347427	0.72827
ENSG00000010610.10	25.36359204	0.694112	0.831094	0.835178	0.403617
ENSG00000125740.14	25.37141052	0.754558	0.925271	0.815499	0.414787
ENSG00000081853.15	25.38751948	0.815291	0.993787	0.820388	0.411995
ENSG00000127249.15	25.39322943	-1.1982	0.897379	-1.33522	0.181803
ENSG00000262732.1	25.40017929	-0.94652	0.864799	-1.0945	0.273737
ENSG00000143178.13	25.4072217	-0.45315	0.868662	-0.52167	0.601903
ENSG00000144485.11	25.40994854	0.82449	0.801096	1.029202	0.303385
ENSG00000266010.2	25.42658283	1.257714	0.797814	1.576451	0.114922
ENSG00000008118.10	25.4317776	-0.29186	0.840133	-0.3474	0.728294
ENSG00000203799.13	25.4334299	1.245248	0.853431	1.459108	0.144535
ENSG00000109956.13	25.43720861	0.928648	0.839795	1.105803	0.268812
ENSG00000278709.2	25.44381629	-0.9416	0.82967	-1.13491	0.256413
ENSG00000154864.13	25.44459024	1.463277	0.915216	1.598833	0.109858
ENSG00000176532.4	25.44480328	0.085544	0.831256	0.10291	0.918035
ENSG00000114378.17	25.45434559	-0.6515	0.818083	-0.79637	0.425817
ENSG00000154545.16	25.4698254	-0.13503	0.992676	-0.13603	0.891801
ENSG00000278875.1	25.48271902	-0.99022	0.899377	-1.10101	0.270894
ENSG00000174514.13	25.49673692	0.885325	0.797885	1.109591	0.267175
ENSG00000162630.6	25.49871426	1.119678	0.795989	1.40665	0.159531
ENSG00000285879.1	25.50325049	-0.46602	0.802774	-0.58051	0.561569
ENSG00000128536.16	25.52990342	0.20857	0.870517	0.239593	0.810645
ENSG00000255920.3	25.54565799	0.54048	0.830989	0.650405	0.51543
ENSG00000276547.1	25.58168051	-0.40545	0.82025	-0.4943	0.621096
ENSG00000267053.8	25.61701431	0.817545	0.819655	0.997426	0.318558
ENSG00000164626.9	25.63089697	0.026075	0.806954	0.032313	0.974222
ENSG00000286128.1	25.64914242	0.170532	0.786748	0.216756	0.828399
ENSG00000259429.5	25.65077719	-0.60268	0.839766	-0.71768	0.472954
ENSG00000197385.6	25.67834562	0.862537	0.845418	1.020249	0.30761
ENSG00000127311.10	25.67838596	0.133824	0.822539	0.162696	0.870758
ENSG00000248187.1	25.68944974	-0.02477	0.813403	-0.03045	0.975707

ENSG00000196074.13	25.70123643	0.754784	0.941496	0.801686	0.422735
ENSG00000259644.1	25.70500014	-0.27876	0.793467	-0.35132	0.725348
ENSG00000268364.2	25.70580446	0.995611	0.780483	1.275634	0.202085
ENSG00000185519.9	25.72683471	-0.40766	0.782441	-0.52101	0.602362
ENSG00000171931.13	25.73708391	0.82062	0.914123	0.897713	0.369339
ENSG00000069493.15	25.7512998	-0.02767	0.799318	-0.03462	0.972382
ENSG00000274667.1	25.75354271	0.141586	0.841864	0.168181	0.866441
ENSG00000258659.7	25.75472254	0.111593	0.82787	0.134796	0.892773
ENSG00000275457.1	25.77303146	-0.11598	0.786349	-0.14749	0.882747
ENSG00000160255.18	25.77737487	0.878672	0.942818	0.931964	0.351355
ENSG00000286147.1	25.78848998	1.705883	0.906533	1.881766	0.059868
ENSG00000149201.10	25.79129272	0.351092	0.834534	0.420705	0.673971
ENSG00000125319.14	25.79700954	0.48841	0.798554	0.611619	0.54079
ENSG00000214491.8	25.79905331	0.026575	0.832645	0.031917	0.974539
ENSG00000267124.2	25.8015974	0.178678	0.786915	0.227061	0.820376
ENSG00000240291.1	25.81888607	0.236453	0.788956	0.299704	0.764403
ENSG00000072840.13	25.8295943	0.74602	0.798916	0.933791	0.350412
ENSG00000221821.4	25.84691064	0.023945	0.81335	0.029441	0.976513
ENSG00000237357.2	25.84879814	0.151542	1.051496	0.144121	0.885405
ENSG00000279088.1	25.85981542	0.288999	0.842061	0.343204	0.731445
ENSG00000198626.17	25.86432833	0.594305	0.865453	0.686697	0.492273
ENSG00000143171.13	25.88358469	-0.62681	0.863533	-0.72587	0.46792
ENSG00000245498.7	25.90564649	-0.07754	0.819182	-0.09466	0.924587
ENSG00000285824.1	25.91387939	0.029247	0.982771	0.029759	0.976259
ENSG00000176182.6	25.91956606	0.462455	0.801277	0.577148	0.56384
ENSG00000240668.1	25.93429266	-1.34828	0.923006	-1.46075	0.144083
ENSG00000007174.18	25.93476259	1.945155	0.849389	2.290065	0.022018
ENSG00000257178.5	25.93883706	1.06745	0.923568	1.155789	0.247768
ENSG00000136546.16	25.97530017	1.91328	1.085472	1.762625	0.077964
ENSG00000213424.9	25.98304079	-0.67994	0.80086	-0.84901	0.395876
ENSG00000158813.18	25.98942295	0.628044	0.915261	0.686191	0.492592
ENSG00000177873.14	25.98960805	-0.31588	0.794813	-0.39743	0.691051
ENSG00000139567.13	25.99762544	0.721444	0.958743	0.75249	0.451757
ENSG00000260711.2	26.00362205	0.06506	0.827618	0.078611	0.937342
ENSG00000259375.1	26.01986424	-0.57284	0.784429	-0.73026	0.465229
ENSG00000271780.1	26.03694255	-0.00897	0.779348	-0.01152	0.990812
ENSG00000204257.15	26.04371473	-0.00664	0.840492	-0.00791	0.993692
ENSG00000196218.13	26.04430187	3.370932	1.372586	2.455899	0.014053
ENSG00000186496.12	26.05530984	0.855901	0.824165	1.038507	0.299034
ENSG00000241549.8	26.07277329	-0.29199	0.820302	-0.35595	0.721879
ENSG00000188933.16	26.08591433	0.511977	0.832579	0.614928	0.538602
ENSG00000227671.4	26.10494499	-0.41351	0.777041	-0.53216	0.594614
ENSG00000171094.18	26.11181917	0.915473	0.811059	1.128738	0.259008
ENSG00000168061.17	26.14867553	0.482082	0.808104	0.59656	0.550801
ENSG00000230733.2	26.17574667	1.275786	0.797691	1.599349	0.109743
ENSG00000162998.5	26.17802159	-0.32626	0.808831	-0.40337	0.686678
ENSG00000236255.2	26.18326902	0.416192	0.824747	0.50463	0.613818
ENSG00000123685.9	26.19514678	0.275869	0.812273	0.339626	0.734138
ENSG00000251503.8	26.20109758	0.17375	0.811656	0.214069	0.830493
ENSG00000178397.13	26.20282651	1.012306	1.170018	0.865206	0.386926
ENSG00000133640.20	26.22945661	-0.36087	0.825513	-0.43715	0.662006
ENSG00000147573.17	26.22945865	-0.33409	0.8228	-0.40604	0.68471

ENSG00000129467.13	26.24330677	0.635619	0.819451	0.775664	0.437947
ENSG00000134533.6	26.24623095	0.084561	0.833357	0.10147	0.919177
ENSG00000249971.1	26.24712382	0.667866	0.796314	0.838696	0.40164
ENSG00000119508.18	26.25484161	1.24585	0.868559	1.434387	0.151462
ENSG00000187624.9	26.2978255	0.704521	0.826683	0.852226	0.394089
ENSG00000227110.7	26.299473	-0.32452	0.902008	-0.35977	0.719018
ENSG00000108379.10	26.30889835	0.225881	0.776706	0.290819	0.77119
ENSG00000288620.1	26.31178641	-1.35351	1.063465	-1.27274	0.203112
ENSG00000149596.7	26.3697313	1.148055	0.86795	1.32272	0.185928
ENSG00000155962.13	26.37765803	-0.94106	0.916905	-1.02634	0.304732
ENSG00000257702.3	26.38983157	0.139547	0.773045	0.180515	0.856748
ENSG00000117115.13	26.39076309	0.71566	0.896518	0.798266	0.424716
ENSG00000138587.6	26.39807122	0.612953	0.784536	0.781293	0.43463
ENSG00000121577.13	26.40410884	-1.05992	0.861656	-1.2301	0.21866
ENSG00000198756.12	26.40995183	0.215206	0.816307	0.263634	0.792062
ENSG00000130487.9	26.41119707	2.232844	0.925968	2.411362	0.015893
ENSG00000253953.3	26.41531729	0.416276	0.801716	0.519231	0.6036
ENSG00000132205.11	26.41536932	-0.28388	0.78653	-0.36093	0.718154
ENSG00000118997.14	26.45183163	-0.11957	0.870534	-0.13736	0.890749
ENSG00000158445.10	26.45284995	1.472041	0.865228	1.701334	0.08888
ENSG00000215217.7	26.45862454	0.663633	0.815472	0.813802	0.415758
ENSG00000184922.14	26.45894762	0.569481	0.820691	0.693905	0.487742
ENSG00000255545.8	26.47995252	1.151871	0.829402	1.388796	0.164895
ENSG00000286360.1	26.51243061	-0.07019	0.77705	-0.09033	0.928025
ENSG00000157653.12	26.5180906	0.776922	0.804014	0.966305	0.333892
ENSG00000143028.9	26.52954064	0.11859	0.851477	0.139276	0.889232
ENSG00000143590.14	26.53091474	-0.4889	0.779947	-0.62684	0.530763
ENSG00000259075.6	26.53387217	-2.07548	1.055597	-1.96616	0.04928
ENSG00000188659.9	26.54724084	-0.56038	0.821162	-0.68242	0.494971
ENSG00000155307.19	26.58075382	0.103337	0.84033	0.122972	0.90213
ENSG00000275395.6	26.59071393	0.723008	1.028655	0.702868	0.482138
ENSG00000283765.1	26.60315676	-3.22965	1.144648	-2.82152	0.00478
ENSG00000230623.6	26.60382678	1.524743	1.026762	1.485002	0.137543
ENSG00000255108.1	26.60416762	-0.26368	0.769608	-0.34261	0.731892
ENSG00000279608.1	26.60660771	0.517624	0.871628	0.593859	0.552606
ENSG00000203739.4	26.63289058	-0.7268	0.816554	-0.89009	0.373418
ENSG00000196172.9	26.64308065	-0.3267	0.789722	-0.41369	0.679104
ENSG00000224786.2	26.64641656	-0.19082	0.776141	-0.24585	0.805797
ENSG00000237499.7	26.6519921	-0.15806	0.806223	-0.19605	0.844569
ENSG00000167103.12	26.65686574	-0.67357	0.797075	-0.84505	0.398083
ENSG00000278535.5	26.66793806	1.054009	0.922057	1.143106	0.252995
ENSG00000149054.16	26.68854364	0.432833	0.775564	0.558088	0.576784
ENSG00000281392.2	26.6914016	1.599694	0.837562	1.90994	0.056141
ENSG00000162944.11	26.69629949	0.821523	0.836963	0.981552	0.32632
ENSG00000019991.18	26.70042882	0.731214	0.801298	0.912536	0.361487
ENSG00000054803.4	26.71017368	0.049328	0.803968	0.061355	0.951076
ENSG00000106004.5	26.71180755	-0.71986	0.986851	-0.72945	0.465728
ENSG00000153208.17	26.7140005	0.087838	0.844468	0.104016	0.917157
ENSG00000171759.10	26.72921324	0.129738	0.886305	0.146381	0.883621
ENSG00000105641.4	26.73347449	1.290309	0.957447	1.347655	0.177769
ENSG00000112852.7	26.75898285	0.903029	0.821073	1.099816	0.271412
ENSG00000114854.8	26.76659251	-0.84271	1.061722	-0.79372	0.427357

ENSG00000247081.8	26.77172146	0.891443	0.814871	1.093968	0.273969
ENSG00000258471.2	26.77294689	0.334598	0.768377	0.435461	0.663228
ENSG00000157445.15	26.80704387	0.651525	0.810526	0.803829	0.421496
ENSG00000168491.10	26.8155874	-0.73844	0.79573	-0.928	0.353405
ENSG00000233223.3	26.82533656	0.553239	0.771323	0.717261	0.473213
ENSG00000267633.1	26.8413478	0.401793	0.792296	0.507125	0.612067
ENSG00000143839.15	26.84177401	-0.12512	0.839979	-0.14895	0.881592
ENSG00000279352.1	26.85659225	1.120034	0.87106	1.285829	0.198503
ENSG00000272335.1	26.85972844	0.708758	0.842915	0.840842	0.400436
ENSG00000162415.7	26.86163896	-0.1289	0.771158	-0.16715	0.867254
ENSG00000198088.10	26.87346914	-0.23393	0.770742	-0.30352	0.761496
ENSG00000155974.12	26.87521637	0.188821	0.834277	0.226329	0.820946
ENSG00000172264.17	26.87703029	-0.06959	0.763807	-0.09111	0.927404
ENSG00000270195.2	26.88671715	-0.2409	0.92465	-0.26054	0.794451
ENSG00000272379.1	26.89068219	-1.28182	0.817077	-1.56879	0.116697
ENSG00000170236.16	26.89092819	0.367303	0.771979	0.475794	0.634221
ENSG00000260923.7	26.89853074	-0.17615	0.96227	-0.18306	0.854752
ENSG00000135063.19	26.95543216	0.26912	0.872907	0.308303	0.757852
ENSG00000105278.12	26.95916439	0.191932	0.873136	0.219819	0.826012
ENSG00000274630.1	26.96202043	-0.50159	0.820322	-0.61145	0.540898
ENSG00000197748.13	26.96327381	0.411454	0.779529	0.527823	0.597622
ENSG00000181619.11	26.97648529	0.67814	0.787199	0.86146	0.388985
ENSG00000111254.8	26.98008024	0.337759	0.778626	0.433789	0.664442
ENSG00000258749.1	26.99445501	-0.06806	0.765922	-0.08886	0.929195
ENSG00000187961.14	27.00926515	0.386412	0.809972	0.477068	0.633314
ENSG00000169933.16	27.03139156	0.102226	0.791389	0.129172	0.897221
ENSG00000125850.11	27.04545182	0.028028	0.764465	0.036664	0.970753
ENSG00000267288.2	27.04604219	-0.69327	0.807644	-0.85838	0.390681
ENSG00000236526.1	27.04654957	-1.06803	0.819783	-1.30282	0.192636
ENSG00000260367.2	27.0538958	-0.18476	0.773034	-0.23901	0.811099
ENSG00000105997.22	27.08081256	1.250727	0.952662	1.312876	0.189225
ENSG00000184261.5	27.08774063	1.946936	0.871161	2.234876	0.025426
ENSG00000272750.1	27.10135456	0.197372	0.762948	0.258697	0.795869
ENSG00000027869.12	27.11178916	0.558081	0.792894	0.703854	0.481524
ENSG00000164105.4	27.12194094	0.711487	0.826432	0.860913	0.389286
ENSG00000258667.2	27.12934863	0.767919	0.818946	0.937691	0.348403
ENSG00000237515.9	27.13007968	0.066705	0.819849	0.081362	0.935154
ENSG00000169562.13	27.14398501	0.392073	0.977824	0.400964	0.688446
ENSG00000255495.1	27.14645383	-0.11094	0.79031	-0.14037	0.888367
ENSG00000179057.14	27.16187047	-0.71606	0.77816	-0.9202	0.357468
ENSG00000224875.2	27.16214834	0.055411	0.778883	0.071142	0.943285
ENSG00000116329.11	27.18648988	0.470397	0.769499	0.611303	0.540999
ENSG00000272356.1	27.20240699	-0.16514	0.768908	-0.21477	0.829948
ENSG00000166006.14	27.20977731	-0.2818	0.77737	-0.36251	0.716973
ENSG00000254806.5	27.23633042	-3.78435	1.040641	-3.63656	0.000276
ENSG00000114656.12	27.2650355	0.062123	0.796899	0.077956	0.937863
ENSG00000182771.19	27.26506199	-0.12268	0.780956	-0.15708	0.875179
ENSG00000286112.1	27.26733175	0.849245	0.851172	0.997736	0.318407
ENSG00000233836.7	27.27778602	0.154308	0.784864	0.196604	0.844137
ENSG00000232139.6	27.28263939	0.175809	0.781421	0.224986	0.82199
ENSG00000226803.9	27.28862755	0.709229	0.792901	0.894473	0.371069
ENSG00000263069.6	27.28871268	0.437786	0.813345	0.538253	0.590402

ENSG00000172361.6	27.29104535	-0.03078	0.856616	-0.03593	0.971339
ENSG00000102760.13	27.29367052	0.808574	0.85873	0.941593	0.346401
ENSG00000280486.2	27.3161682	0.359406	0.780696	0.460366	0.645253
ENSG00000261061.1	27.32672622	0.437591	0.774172	0.565237	0.571913
ENSG00000151164.19	27.35781978	0.585727	0.867934	0.674852	0.49977
ENSG00000280143.1	27.37087265	0.015638	0.761941	0.020523	0.983626
ENSG00000226754.2	27.3969114	0.507954	0.790716	0.642397	0.520615
ENSG00000286215.1	27.42217009	1.863523	0.968724	1.923688	0.054394
ENSG00000050730.16	27.44222435	1.211734	0.879844	1.377214	0.168446
ENSG00000063169.11	27.45537754	0.895396	0.843955	1.060952	0.288712
ENSG00000256928.1	27.46466566	-0.10055	0.827374	-0.12152	0.903275
ENSG00000213563.7	27.46619696	0.78055	0.765808	1.01925	0.308084
ENSG00000204965.9	27.46881468	-0.01136	0.803942	-0.01414	0.988721
ENSG00000149633.12	27.48648492	0.775147	0.811775	0.954879	0.339639
ENSG00000232133.1	27.50548585	0.129424	0.925037	0.139912	0.88873
ENSG00000242261.1	27.52187647	-0.95257	1.020627	-0.93331	0.350658
ENSG00000272991.1	27.52752164	-0.33955	0.758792	-0.44749	0.654523
ENSG00000272145.1	27.5295627	0.117709	0.808895	0.145519	0.884301
ENSG00000278932.4	27.52999207	0.374177	0.76036	0.492105	0.622645
ENSG00000044524.11	27.53139755	0.634211	0.846839	0.748916	0.453908
ENSG00000235919.4	27.53881827	0.741235	0.803339	0.922692	0.356168
ENSG00000254662.1	27.56735233	0.56851	0.775984	0.732631	0.463783
ENSG00000186871.7	27.58212351	0.895887	0.874466	1.024496	0.305601
ENSG00000249471.8	27.58263082	0.334371	0.766122	0.436446	0.662513
ENSG00000287104.1	27.58474585	0.596669	0.83121	0.717832	0.472861
ENSG00000182759.4	27.59744071	1.659796	0.871215	1.905151	0.05676
ENSG00000274512.5	27.6006119	-0.50769	0.775286	-0.65484	0.512572
ENSG00000253948.2	27.60286449	1.854466	0.9067	2.045291	0.040826
ENSG00000064489.23	27.60324035	0.598218	2.986275	0.200323	0.841228
ENSG00000179751.7	27.60513316	0.773554	0.992914	0.779075	0.435936
ENSG00000198933.9	27.60848685	1.063743	0.781783	1.360662	0.173621
ENSG00000272578.5	27.62223149	0.593899	0.865016	0.686576	0.49235
ENSG00000184898.7	27.62488747	0.358969	0.844156	0.42524	0.670662
ENSG00000229939.1	27.66281557	-0.56606	0.864062	-0.65511	0.512396
ENSG00000279110.1	27.6665476	0.117984	0.879832	0.134098	0.893325
ENSG00000157470.12	27.67740767	0.388918	0.781967	0.497358	0.618936
ENSG00000178882.15	27.69828324	0.363835	0.770664	0.472105	0.636852
ENSG00000131781.13	27.70215062	0.335202	0.777275	0.431253	0.666284
ENSG00000168071.22	27.72595441	0.932747	0.770348	1.210813	0.225967
ENSG00000166482.12	27.73013392	-0.65815	0.783239	-0.84029	0.400748
ENSG00000242808.10	27.7378121	1.166801	0.908877	1.283782	0.199218
ENSG00000261588.1	27.74414144	0.042448	0.785695	0.054026	0.956914
ENSG00000108387.15	27.79023627	0.452813	0.788198	0.574492	0.565635
ENSG00000130758.8	27.79181396	1.894815	0.859254	2.205185	0.027441
ENSG00000164309.15	27.79798394	0.402759	0.893429	0.450801	0.652133
ENSG00000184441.4	27.82216076	0.603578	0.759818	0.794372	0.426979
ENSG00000235865.2	27.83124783	-0.19459	0.755929	-0.25742	0.796856
ENSG00000285979.1	27.84251353	0.099705	0.760676	0.131074	0.895717
ENSG00000261437.1	27.85332932	0.615376	0.772404	0.796702	0.425624
ENSG00000254829.1	27.85597132	-0.85476	0.758744	-1.12655	0.259933
ENSG00000129514.8	27.86350405	1.85707	0.822977	2.256529	0.024038
ENSG00000286408.1	27.87953192	-0.1213	0.967265	-0.12541	0.9002

ENSG00000271811.1	27.87993921	0.460989	0.790453	0.583195	0.559762
ENSG00000272269.1	27.88936479	0.190624	0.788644	0.241711	0.809004
ENSG00000146904.9	27.90610336	0.778947	0.76255	1.021502	0.307016
ENSG00000198963.11	27.91143156	0.779611	0.771194	1.010914	0.312058
ENSG00000272418.1	27.91723919	0.277015	0.764822	0.362196	0.717206
ENSG00000224424.8	27.91917364	-0.25281	0.755116	-0.33479	0.737782
ENSG00000267858.6	27.92018937	0.827717	0.79635	1.039388	0.298625
ENSG00000120093.11	27.9355981	0.657784	0.823145	0.799111	0.424226
ENSG00000285920.2	27.94022102	-0.88579	0.911202	-0.97211	0.330994
ENSG00000270885.2	27.94164449	2.203093	0.926395	2.378136	0.0174
ENSG00000241472.7	27.94203004	0.567323	0.807911	0.70221	0.482548
ENSG00000183801.8	27.94286747	1.160629	0.874691	1.326903	0.184541
ENSG00000269386.5	27.94329224	0.442569	0.795587	0.55628	0.57802
ENSG00000272695.2	27.9529037	0.445976	0.839944	0.530959	0.595447
ENSG00000186891.14	27.95316639	-0.0526	0.785325	-0.06698	0.946597
ENSG00000287782.1	27.95451169	0.609748	0.789984	0.771849	0.440204
ENSG00000140538.16	27.95834715	3.494525	1.11265	3.140724	0.001685
ENSG00000287957.1	27.96620369	-0.65857	0.788745	-0.83496	0.40374
ENSG00000222019.7	27.96868985	0.281385	0.750861	0.37475	0.707847
ENSG00000165816.13	27.98355229	0.345449	0.782616	0.441403	0.658921
ENSG00000285238.2	27.99576872	-4.03189	3.814076	-1.05711	0.290462
ENSG00000272841.1	27.99843932	0.821611	0.778737	1.055056	0.2914
ENSG00000259607.1	28.01112985	0.30081	0.757438	0.397142	0.691263
ENSG00000232098.3	28.0166834	1.53316	0.870555	1.761129	0.078217
ENSG00000184408.10	28.01685301	-0.30375	0.760793	-0.39926	0.689704
ENSG00000136866.14	28.05515597	-0.28715	0.767308	-0.37423	0.708236
ENSG00000286813.1	28.07427186	0.344646	0.760741	0.453039	0.65052
ENSG00000287419.1	28.08113209	0.42396	0.765963	0.5535	0.579921
ENSG00000126878.13	28.10925085	-0.37058	0.829223	-0.4469	0.654946
ENSG00000104327.7	28.13087358	0.059508	0.791646	0.07517	0.940079
ENSG00000162482.5	28.15546788	0.443596	0.753487	0.588725	0.556046
ENSG00000188505.5	28.17141692	-0.5519	0.842582	-0.65501	0.51246
ENSG00000135116.9	28.2016274	0.086618	0.755221	0.114692	0.908689
ENSG00000125650.4	28.20566331	0.470323	0.86676	0.542622	0.58739
ENSG00000224389.9	28.21611492	0.483705	1.07302	0.450789	0.652142
ENSG00000272106.1	28.22612731	0.701107	0.767408	0.913605	0.360925
ENSG00000086548.9	28.23057134	0.335245	0.7907	0.423985	0.671577
ENSG00000272501.1	28.23960603	1.495949	0.897788	1.666262	0.095661
ENSG00000188385.12	28.25485299	0.040325	0.89916	0.044848	0.964229
ENSG00000165140.11	28.25917786	-0.30113	0.838508	-0.35912	0.719503
ENSG00000260001.6	28.25984207	-0.6359	0.786152	-0.80887	0.418588
ENSG00000129159.9	28.28051081	1.291426	0.84582	1.526832	0.126803
ENSG00000205238.9	28.28152379	0.152298	0.773345	0.196934	0.843879
ENSG00000241860.7	28.29286045	0.377279	0.851389	0.443133	0.657669
ENSG00000225434.3	28.29432521	-0.43894	0.763309	-0.57504	0.565261
ENSG00000053918.18	28.29755212	0.40722	0.772919	0.52686	0.598291
ENSG00000249158.7	28.30275477	0.60721	0.786204	0.772331	0.439919
ENSG00000107099.16	28.30814985	-0.64619	0.785698	-0.82245	0.410823
ENSG00000286104.1	28.31142514	0.006146	0.775451	0.007926	0.993676
ENSG00000113248.6	28.32780876	1.056307	0.839077	1.258892	0.208069
ENSG00000245750.10	28.3319655	1.554007	0.80125	1.939478	0.052443
ENSG00000179859.9	28.33392103	0.047784	0.752161	0.063529	0.949345

ENSG00000113119.13	28.33953083	-0.49402	0.764867	-0.64589	0.51835
ENSG00000128203.7	28.34474004	0.004978	0.770468	0.006461	0.994845
ENSG00000226715.4	28.35918732	-0.0871	0.772699	-0.11272	0.910251
ENSG00000261366.1	28.36018479	0.539587	0.763395	0.706825	0.479675
ENSG00000197977.4	28.36243869	-0.26787	0.758313	-0.35324	0.723907
ENSG00000030419.16	28.3790634	0.813657	0.83641	0.972797	0.330654
ENSG00000243896.4	28.38200238	-0.38184	0.80496	-0.47436	0.635241
ENSG00000256751.6	28.40234789	-0.92052	0.766113	-1.20155	0.229539
ENSG00000164120.14	28.40994126	0.611034	0.778467	0.784919	0.432501
ENSG00000110455.14	28.42012392	-0.06275	0.75584	-0.08302	0.933834
ENSG00000110195.14	28.44115525	-0.6252	0.927749	-0.67389	0.500382
ENSG00000273213.3	28.45009204	0.730253	0.786948	0.927957	0.35343
ENSG00000273702.1	28.46289181	-0.37873	0.767637	-0.49337	0.621754
ENSG00000260669.2	28.46878973	-0.07969	0.750988	-0.10611	0.915493
ENSG00000136059.14	28.50803789	-0.33362	0.749879	-0.44489	0.656397
ENSG00000100479.13	28.50972887	0.030828	0.78736	0.039154	0.968768
ENSG00000269044.2	28.51705767	0.58504	0.807205	0.724773	0.468591
ENSG00000129654.8	28.53515909	0.337835	0.780072	0.433082	0.664955
ENSG00000279207.1	28.53999729	0.815643	0.782247	1.042692	0.297091
ENSG00000178033.6	28.54144113	1.524167	0.809995	1.881699	0.059877
ENSG00000279152.1	28.54682558	-0.22359	0.745398	-0.29996	0.764207
ENSG00000272267.2	28.5528235	-0.44729	0.750642	-0.59588	0.551255
ENSG00000263563.6	28.57275948	0.822414	0.807275	1.018753	0.30832
ENSG00000225791.7	28.59739833	0.170212	0.744894	0.228504	0.819254
ENSG00000137203.14	28.59955435	0.672239	0.786337	0.854899	0.392607
ENSG00000185986.12	28.60432127	-0.05629	0.773565	-0.07277	0.94199
ENSG00000278963.1	28.62598495	0.013599	0.813034	0.016726	0.986655
ENSG00000254433.1	28.63145626	0.034414	0.75412	0.045634	0.963602
ENSG00000120075.5	28.63466491	0.051354	0.800032	0.06419	0.948819
ENSG00000275764.1	28.65442532	0.169909	0.745772	0.22783	0.819778
ENSG00000259153.2	28.65630737	0.953703	0.865712	1.101641	0.270618
ENSG00000105426.17	28.65713416	0.353485	0.775784	0.455649	0.648643
ENSG00000234663.7	28.66302894	4.103701	1.126381	3.643264	0.000269
ENSG00000162654.9	28.67399686	0.517095	0.780173	0.662795	0.507462
ENSG00000165325.13	28.67532495	-2.0854	0.927426	-2.24858	0.024539
ENSG00000276101.1	28.68542359	0.645885	0.919974	0.702069	0.482636
ENSG00000125551.19	28.70372237	0.06525	0.809739	0.080581	0.935775
ENSG00000154102.11	28.71544276	-0.19947	0.751658	-0.26537	0.790722
ENSG00000258504.2	28.72811267	0.589484	0.79073	0.745494	0.455973
ENSG00000166510.14	28.73484057	-0.16629	0.748746	-0.22209	0.824246
ENSG00000273270.1	28.74024967	1.076376	0.794672	1.354491	0.17558
ENSG00000245322.7	28.75861551	-0.10644	0.765678	-0.13901	0.889439
ENSG00000115008.6	28.77259661	1.657036	0.926838	1.787838	0.073802
ENSG00000015413.9	28.77313278	0.69061	0.770311	0.896533	0.369968
ENSG00000156413.14	28.77580268	1.272857	0.831992	1.52989	0.126044
ENSG00000131196.17	28.7767351	0.548263	0.752173	0.728906	0.466059
ENSG00000205744.10	28.78704518	0.683788	0.846535	0.807749	0.419235
ENSG00000162620.16	28.79324524	0.530993	0.773059	0.686872	0.492163
ENSG00000085514.16	28.79875478	0.437147	0.842944	0.518596	0.604043
ENSG00000120324.9	28.81233816	-0.27114	0.817003	-0.33188	0.739982
ENSG00000231889.7	28.81835282	-0.52676	0.769349	-0.68468	0.493547
ENSG00000259343.7	28.82985966	-0.3692	0.864259	-0.42719	0.669242

ENSG00000277969.1	28.83122923	1.033207	0.804006	1.285074	0.198766
ENSG00000228409.6	28.83151327	-0.28874	0.741642	-0.38933	0.697032
ENSG00000149050.10	28.84823125	-1.34526	0.763079	-1.76294	0.077911
ENSG00000274487.2	28.85348219	-0.57397	0.769868	-0.74554	0.455944
ENSG00000204745.4	28.86914053	-0.5092	0.863482	-0.58971	0.555387
ENSG00000171903.16	28.88713574	-0.1499	0.802746	-0.18674	0.851865
ENSG00000231856.2	28.89127583	0.215311	0.765535	0.281256	0.778514
ENSG00000105227.16	28.89904276	1.772073	1.188903	1.490511	0.13609
ENSG00000162878.13	28.89907167	0.764021	0.76674	0.996454	0.319029
ENSG00000235513.2	28.90925013	-0.38703	0.74317	-0.52078	0.602518
ENSG00000273173.5	28.91695373	-0.88032	0.762645	-1.1543	0.248377
ENSG00000011201.12	28.91769763	0.419234	0.81147	0.516635	0.605411
ENSG00000146828.18	28.92885231	1.481831	0.77998	1.899831	0.057455
ENSG00000233008.6	28.94081205	-0.30018	0.759677	-0.39515	0.692734
ENSG00000173805.16	28.94291082	0.822629	0.802776	1.024731	0.30549
ENSG00000227398.4	28.94719787	1.056054	0.788555	1.339227	0.180497
ENSG00000237877.7	28.94930653	-0.7478	0.767523	-0.97431	0.329903
ENSG00000253744.1	28.95660113	-1.30879	0.775287	-1.68814	0.091384
ENSG00000261136.1	28.96315065	0.268202	0.791364	0.338911	0.734677
ENSG00000107242.20	28.96401494	0.079492	0.780946	0.101789	0.918924
ENSG00000101638.14	28.97297053	0.362571	0.980828	0.369658	0.711637
ENSG00000168970.22	28.97411279	-0.34414	1.141501	-0.30148	0.763046
ENSG00000162999.13	28.98317139	0.129535	0.854059	0.15167	0.879447
ENSG00000125355.15	28.98733096	-0.5407	0.917975	-0.58901	0.555852
ENSG00000167011.9	29.01144689	0.557375	0.788807	0.706604	0.479812
ENSG00000169184.6	29.02216682	0.249437	0.781857	0.319031	0.749703
ENSG00000283930.1	29.02544381	-0.43025	0.741915	-0.57992	0.561971
ENSG00000174945.13	29.04214183	-0.09956	0.797431	-0.12485	0.90064
ENSG00000133056.13	29.04796937	1.070492	0.764874	1.399566	0.161643
ENSG00000260735.2	29.06481802	0.224626	0.790268	0.28424	0.776226
ENSG00000272690.6	29.07342297	-0.07173	0.743859	-0.09643	0.923183
ENSG00000145451.13	29.07667677	0.252238	0.771374	0.326999	0.743669
ENSG00000198624.13	29.08082065	0.629383	0.746318	0.843318	0.399051
ENSG00000178796.13	29.08950791	-0.94392	0.874898	-1.07889	0.280635
ENSG00000056487.16	29.09942415	0.468017	0.763807	0.612743	0.540046
ENSG00000181544.15	29.09945002	-0.8857	0.746262	-1.18685	0.235286
ENSG00000218891.5	29.11140764	1.023772	0.748415	1.36792	0.171337
ENSG00000077327.16	29.11978171	-1.23637	0.905424	-1.36552	0.172089
ENSG00000247240.8	29.12135203	-0.847	0.742003	-1.14151	0.253659
ENSG00000152284.5	29.13022051	1.196753	0.791088	1.512794	0.130332
ENSG00000197520.10	29.13578271	-0.08341	0.855593	-0.09749	0.922337
ENSG00000249700.9	29.13873801	-0.14534	0.742229	-0.19582	0.844755
ENSG00000133111.4	29.15341621	0.771238	0.762669	1.011236	0.311903
ENSG00000110680.12	29.16408857	-0.34583	0.800793	-0.43186	0.66584
ENSG00000165121.11	29.19808153	0.472923	0.806628	0.586296	0.557677
ENSG00000234617.2	29.19936614	-0.21617	0.777082	-0.27819	0.780869
ENSG00000283149.1	29.20779412	7.651709	3.910541	1.956688	0.050384
ENSG00000271646.1	29.21526299	0.39989	0.843028	0.47435	0.635251
ENSG00000203721.7	29.22564475	0.499801	0.791926	0.631122	0.527961
ENSG00000237125.11	29.22599948	1.195854	0.87631	1.364647	0.172364
ENSG00000236383.8	29.23691885	0.490694	0.78018	0.62895	0.529382
ENSG00000256591.5	29.23743099	-0.79432	0.763457	-1.04043	0.298142

ENSG00000205559.5	29.26426751	0.453512	0.752471	0.602697	0.54671
ENSG00000143320.9	29.26491524	0.048288	0.744756	0.064838	0.948303
ENSG00000261572.1	29.2840657	0.612196	0.851893	0.71863	0.472369
ENSG00000179331.3	29.29075729	-0.45577	0.805453	-0.56586	0.57149
ENSG00000203499.11	29.29568012	0.032749	0.77039	0.04251	0.966092
ENSG00000236144.8	29.31652611	0.316237	0.751219	0.420965	0.673781
ENSG00000166450.13	29.31857879	2.160826	0.987495	2.188189	0.028656
ENSG00000185689.16	29.32046835	-0.26053	0.789033	-0.33019	0.741258
ENSG00000223820.5	29.32759804	-0.22218	0.862125	-0.25771	0.796631
ENSG00000249896.2	29.33405786	-0.19652	0.81042	-0.24249	0.808401
ENSG00000179292.5	29.33813663	0.948442	0.791421	1.198405	0.23076
ENSG00000174469.23	29.3492653	1.031102	0.776035	1.32868	0.183953
ENSG00000235859.5	29.36361409	-0.11633	0.763531	-0.15236	0.878905
ENSG00000147576.17	29.37118196	-0.65406	0.759805	-0.86083	0.389334
ENSG00000118407.15	29.37984499	0.264268	0.743678	0.355353	0.722325
ENSG00000233860.2	29.45376616	-0.13948	0.779996	-0.17882	0.85808
ENSG00000203780.12	29.45731226	-0.55354	0.744586	-0.74342	0.457226
ENSG00000186654.21	29.45835766	0.181586	0.76869	0.236228	0.813256
ENSG00000261360.1	29.46082974	-0.41718	0.853871	-0.48857	0.625147
ENSG00000101443.18	29.4695316	0.513066	0.774863	0.662137	0.507883
ENSG00000106069.23	29.46957084	0.079124	0.740994	0.106781	0.914963
ENSG00000166707.12	29.47827137	0.530684	0.826608	0.642001	0.520872
ENSG00000269939.1	29.47834004	-0.18551	0.753879	-0.24607	0.805627
ENSG00000235501.6	29.48733624	-0.00419	0.777352	-0.0054	0.995695
ENSG00000103742.12	29.49459869	-0.42573	0.747073	-0.56987	0.568768
ENSG00000244627.5	29.49736429	0.289068	0.777594	0.371747	0.710081
ENSG00000147144.13	29.5162474	0.272439	0.757748	0.359537	0.719193
ENSG00000144218.19	29.51670284	1.42793	0.899676	1.587159	0.112477
ENSG00000248124.8	29.52966999	-0.28022	0.742433	-0.37744	0.705846
ENSG00000171195.11	29.53464601	1.850159	1.133636	1.632058	0.102667
ENSG00000205856.4	29.53801449	-0.32151	0.888277	-0.36194	0.717395
ENSG00000284540.1	29.55078813	2.103691	0.928359	2.266033	0.023449
ENSG00000158406.5	29.55685924	1.025227	0.769358	1.332576	0.182671
ENSG00000078795.17	29.56407928	0.336317	0.799027	0.420908	0.673822
ENSG00000003096.14	29.56844823	-0.24733	0.795468	-0.31092	0.755859
ENSG00000234851.4	29.57537349	-2.99075	1.037436	-2.88282	0.003941
ENSG00000280634.1	29.60862766	0.277132	0.748297	0.37035	0.711122
ENSG00000155052.14	29.61914331	0.343308	0.792201	0.43336	0.664754
ENSG00000272054.1	29.6234493	0.124838	0.770599	0.162001	0.871305
ENSG00000266993.3	29.63522465	1.784069	0.865557	2.06118	0.039286
ENSG00000267308.3	29.63685556	-2.90199	1.145569	-2.53323	0.011302
ENSG00000167880.8	29.64148496	-1.02933	0.823262	-1.25031	0.211186
ENSG00000183248.12	29.66899833	0.475264	0.750795	0.633013	0.526725
ENSG00000254473.1	29.67247445	-0.12967	0.798777	-0.16233	0.871042
ENSG00000174371.17	29.68243729	0.159741	0.795326	0.20085	0.840816
ENSG00000257913.2	29.70052757	0.365208	0.808122	0.451922	0.651325
ENSG00000225442.2	29.7151656	0.597907	0.766378	0.780172	0.435289
ENSG00000260350.1	29.71637583	-0.2743	0.766194	-0.358	0.720341
ENSG00000118507.17	29.7226058	0.033166	0.745965	0.044461	0.964537
ENSG00000047662.5	29.7348555	-0.09897	0.732613	-0.1351	0.892535
ENSG00000160957.14	29.73657959	0.738136	0.813173	0.907723	0.364025
ENSG00000007908.16	29.76051426	2.230757	1.143004	1.951662	0.050978

ENSG00000262580.5	29.76426691	-0.48361	0.738985	-0.65442	0.512843
ENSG00000246174.9	29.81945664	0.567677	0.793698	0.715231	0.474466
ENSG00000285796.1	29.81963119	1.326849	0.800736	1.657038	0.097512
ENSG00000139737.22	29.83880702	0.099938	0.74821	0.13357	0.893743
ENSG00000268516.2	29.84048523	0.727581	0.740102	0.983082	0.325567
ENSG00000237523.2	29.84606094	0.401517	0.807412	0.497289	0.618986
ENSG00000213062.5	29.85305415	0.940528	0.807555	1.164661	0.244156
ENSG00000231890.8	29.86257786	-0.31261	0.742626	-0.42096	0.673787
ENSG00000196132.14	29.86430411	0.433877	0.840284	0.516345	0.605613
ENSG00000167281.19	29.89415568	1.675999	0.937783	1.787193	0.073906
ENSG00000280780.2	29.89706337	-0.48936	0.752573	-0.65026	0.515527
ENSG00000235027.1	29.92955308	-0.56586	0.785985	-0.71993	0.471566
ENSG00000240563.2	29.93363162	0.930241	0.779079	1.194027	0.232467
ENSG00000245146.7	29.94726453	0.585031	0.74473	0.785561	0.432125
ENSG00000180448.10	29.95786421	-0.0033	0.740673	-0.00446	0.996442
ENSG00000187122.17	29.97998229	0.7243	0.828266	0.874478	0.381858
ENSG00000164236.12	29.99003052	-0.75373	0.904096	-0.83368	0.404462
ENSG00000260572.1	30.02716668	-0.32642	0.791263	-0.41253	0.679954
ENSG00000226763.5	30.031876	0.161001	0.894314	0.180028	0.857131
ENSG00000178568.15	30.03275742	1.735459	0.891717	1.946201	0.051631
ENSG00000247746.4	30.04163912	-0.16489	0.814366	-0.20247	0.839549
ENSG00000158352.15	30.04388001	-0.40436	0.791233	-0.51104	0.60932
ENSG00000203797.12	30.04512383	-0.11398	0.776163	-0.14685	0.883248
ENSG00000204397.8	30.04822423	0.339434	0.746626	0.454623	0.64938
ENSG00000196376.11	30.07997124	0.472836	0.781312	0.605182	0.545058
ENSG00000135205.15	30.08215969	0.037644	0.772682	0.048719	0.961143
ENSG00000261485.1	30.08236804	0.227417	0.749128	0.303576	0.761451
ENSG00000178473.7	30.08740096	0.750391	0.786088	0.954588	0.339786
ENSG00000174358.16	30.09180464	-0.21453	0.756653	-0.28353	0.776773
ENSG00000250056.8	30.09333423	-0.24611	0.741404	-0.33196	0.739923
ENSG00000267504.1	30.1026351	-0.07612	0.775152	-0.09821	0.921769
ENSG00000111452.13	30.14376194	1.009598	0.85498	1.180844	0.237665
ENSG00000203877.8	30.16557245	-0.30973	0.765562	-0.40458	0.685788
ENSG00000062370.16	30.16816801	0.174203	0.742842	0.23451	0.814589
ENSG00000241288.8	30.16952976	-0.34397	0.757968	-0.45381	0.649965
ENSG00000221792.1	30.17131171	-0.11225	0.751841	-0.1493	0.881318
ENSG00000102383.14	30.17826176	0.569677	0.758515	0.751043	0.452627
ENSG00000213453.3	30.18979666	0.097141	0.766617	0.126714	0.899167
ENSG00000229956.11	30.19631867	0.299578	0.791014	0.378726	0.704891
ENSG00000074660.16	30.20802551	0.877872	0.78708	1.115352	0.2647
ENSG00000129465.16	30.23598652	0.075534	0.759487	0.099454	0.920777
ENSG00000158457.6	30.24008368	0.864406	0.837261	1.032421	0.301875
ENSG00000155666.12	30.24864685	0.15709	0.771265	0.203678	0.838605
ENSG00000184672.12	30.25479871	0.344862	0.75191	0.458649	0.646487
ENSG00000253361.3	30.27036309	-0.00972	0.74697	-0.01301	0.98962
ENSG00000178386.13	30.27282711	0.043255	0.74566	0.058009	0.953742
ENSG00000168309.18	30.27290757	-0.12115	0.774982	-0.15633	0.875776
ENSG00000224843.8	30.27736807	0.108371	0.89303	0.121352	0.903412
ENSG00000242622.2	30.30033079	0.539575	0.823066	0.655567	0.512103
ENSG00000281371.1	30.31805029	-0.39853	0.782865	-0.50907	0.610702
ENSG00000154040.20	30.32117316	-0.18674	0.815261	-0.22906	0.818825
ENSG00000277476.1	30.32704471	0.031974	0.798045	0.040065	0.968041

ENSG00000266256.3	30.32711263	0.355281	0.764231	0.464886	0.642013
ENSG00000241388.5	30.33006215	0.510267	0.737044	0.692315	0.488739
ENSG00000236618.2	30.33470846	0.200845	0.740876	0.271091	0.786321
ENSG00000161956.13	30.3627135	0.95438	0.776094	1.229721	0.218801
ENSG00000248774.1	30.36884365	-0.64686	0.760845	-0.85019	0.395221
ENSG00000180998.12	30.37185336	-0.31898	0.820833	-0.38861	0.697566
ENSG00000235448.3	30.37575277	-0.11215	0.760646	-0.14744	0.882783
ENSG00000228340.6	30.38815282	1.263221	0.894121	1.412808	0.157712
ENSG00000247708.8	30.39226525	-0.13601	0.780772	-0.17419	0.861712
ENSG00000166436.16	30.39505279	0.866596	0.913867	0.948274	0.34299
ENSG00000165807.8	30.42979072	0.085617	0.743473	0.115159	0.908319
ENSG00000180044.5	30.45822882	0.969424	0.769242	1.260233	0.207585
ENSG00000204396.11	30.46326277	0.031494	0.850528	0.037029	0.970462
ENSG00000123243.15	30.4692614	0.200793	0.778813	0.257819	0.796547
ENSG00000102053.12	30.47244684	-0.26239	0.748644	-0.35049	0.725974
ENSG00000279080.1	30.48059187	0.861036	0.894167	0.962948	0.335574
ENSG00000274180.1	30.49099686	0.277876	0.746966	0.372006	0.709888
ENSG00000246477.3	30.49549379	-0.29229	0.732208	-0.39918	0.689757
ENSG00000228434.1	30.50365708	0.122506	0.767554	0.159605	0.873192
ENSG00000147251.15	30.51518637	0.514146	0.86255	0.596077	0.551124
ENSG00000259380.6	30.57583832	1.010253	0.927987	1.088649	0.276309
ENSG00000111962.8	30.59518726	0.613144	0.815188	0.75215	0.451961
ENSG00000102349.18	30.60064487	-0.45769	0.817956	-0.55955	0.575788
ENSG00000112530.11	30.62906031	-0.059	0.735311	-0.08024	0.936047
ENSG00000090554.13	30.63772036	0.063015	0.73573	0.085649	0.931745
ENSG00000129965.15	30.64174656	-1.59515	3.08505	-0.51706	0.605116
ENSG00000128242.13	30.6786529	0.268906	0.733976	0.366368	0.71409
ENSG00000225937.3	30.69843179	-0.53141	0.746349	-0.71201	0.476457
ENSG00000237399.7	30.70170437	0.237245	0.745473	0.318248	0.750297
ENSG00000140284.11	30.72731392	0.413422	0.73181	0.564931	0.572121
ENSG00000124613.8	30.72989085	-0.37057	0.796294	-0.46537	0.641669
ENSG00000151812.15	30.74619691	-0.4452	0.735913	-0.60496	0.545204
ENSG00000250320.6	30.75368057	-0.45856	0.751873	-0.60989	0.541934
ENSG00000175471.19	30.75801024	-0.47004	0.729489	-0.64434	0.519355
ENSG00000146410.12	30.79614419	0.355405	0.767078	0.463323	0.643133
ENSG00000169891.18	30.79680783	-0.23075	0.825591	-0.27949	0.779867
ENSG00000250786.2	30.80468457	0.835574	0.745363	1.12103	0.262275
ENSG00000142615.8	30.81395196	0.80923	0.910625	0.888654	0.374189
ENSG00000278041.1	30.81777215	-0.71122	0.747521	-0.95144	0.341383
ENSG00000243762.1	30.82954729	0.346855	0.767181	0.452117	0.651185
ENSG00000283265.1	30.85178503	-0.53418	0.89115	-0.59943	0.548887
ENSG00000259342.1	30.87730581	-0.40055	0.760575	-0.52664	0.598444
ENSG00000158220.14	30.91959462	-1.09911	0.788994	-1.39305	0.163605
ENSG00000167702.13	30.92584609	0.733032	0.721711	1.015687	0.309779
ENSG00000251279.1	30.93427007	-0.73621	0.750824	-0.98053	0.326824
ENSG00000140968.11	30.93769652	-0.16795	0.811968	-0.20684	0.836136
ENSG00000247796.3	30.95765457	0.053432	0.772402	0.069177	0.944849
ENSG00000213963.6	30.96247982	-1.77007	0.83031	-2.13181	0.033022
ENSG00000102935.11	30.96628748	0.836673	0.829091	1.009145	0.312905
ENSG00000135083.16	30.97518888	0.093098	0.811991	0.114655	0.908719
ENSG00000248881.1	30.9883422	0.016851	0.740491	0.022757	0.981844
ENSG00000176396.11	31.01993913	1.268575	0.739831	1.714684	0.086403

ENSG00000281501.1	31.02238135	1.079125	0.858307	1.257272	0.208655
ENSG00000221818.9	31.03320783	1.446709	0.839843	1.722594	0.084962
ENSG00000253722.1	31.03799475	0.188324	0.751067	0.250741	0.802014
ENSG00000257354.2	31.04381437	1.236983	0.755399	1.637523	0.101521
ENSG00000221995.5	31.06989029	-0.52086	0.731698	-0.71185	0.476559
ENSG00000161642.18	31.07312027	0.731837	0.757827	0.965706	0.334191
ENSG00000107159.13	31.07939365	0.756859	0.751121	1.00764	0.313627
ENSG00000196460.14	31.09021117	-0.00395	0.747865	-0.00528	0.995784
ENSG00000175497.17	31.10617618	0.4955	0.801164	0.618475	0.536262
ENSG00000223653.6	31.11320719	-0.49401	0.735015	-0.67211	0.501513
ENSG00000137857.17	31.14144182	-0.31731	0.761487	-0.41669	0.676904
ENSG00000197903.8	31.14514658	0.350408	0.733252	0.477883	0.632734
ENSG00000229893.2	31.16128749	-0.19867	0.730413	-0.27199	0.785627
ENSG00000231881.2	31.16140757	1.158873	0.957995	1.209685	0.2264
ENSG00000234465.11	31.1665404	-0.02293	0.739815	-0.03099	0.975278
ENSG00000171962.18	31.1807233	-0.16555	0.768715	-0.21536	0.829489
ENSG00000241935.9	31.18589029	-0.03145	0.821248	-0.03829	0.969455
ENSG00000196159.13	31.21104344	0.374103	0.783122	0.477706	0.632859
ENSG00000243176.6	31.24210342	0.239192	0.755549	0.31658	0.751562
ENSG00000214783.9	31.24276517	-1.20256	0.745966	-1.61208	0.106943
ENSG00000260643.2	31.26392516	-0.62596	0.759727	-0.82393	0.409979
ENSG00000138161.14	31.27288157	0.084985	0.997791	0.085173	0.932124
ENSG00000185904.12	31.28725042	0.468941	0.732219	0.640438	0.521888
ENSG00000214176.9	31.29703612	0.48489	0.743886	0.651833	0.514509
ENSG00000235280.2	31.3017969	0.366036	0.841799	0.434827	0.663688
ENSG00000257591.6	31.30333351	2.014442	1.025548	1.964259	0.0495
ENSG00000260196.1	31.31302478	0.744795	0.775709	0.960148	0.336981
ENSG00000285669.1	31.31586973	0.10414	0.730427	0.142574	0.886627
ENSG00000182118.8	31.31853828	0.225929	0.763139	0.296052	0.76719
ENSG00000043039.7	31.3388695	0.09949	0.75945	0.131002	0.895774
ENSG00000163126.15	31.34813028	0.791597	0.767597	1.031268	0.302415
ENSG00000183091.19	31.36298617	0.407495	0.927817	0.439197	0.660519
ENSG00000272288.6	31.36586269	0.326108	0.894846	0.364429	0.715538
ENSG00000214435.8	31.38579448	-2.61902	0.985863	-2.65657	0.007894
ENSG00000272994.1	31.41423962	0.60698	0.738115	0.822338	0.410885
ENSG00000131471.7	31.42127366	1.02347	0.80748	1.267487	0.204981
ENSG00000183580.10	31.43074578	0.483201	0.79665	0.606541	0.544155
ENSG00000186205.13	31.44140364	0.394938	0.763476	0.517289	0.604955
ENSG00000108771.13	31.45124035	-0.59222	0.739335	-0.80102	0.423119
ENSG00000239569.3	31.45780615	0.536837	0.729903	0.735491	0.46204
ENSG00000233327.11	31.46359869	-1.79196	1.061136	-1.68872	0.091272
ENSG00000121966.7	31.47416095	0.712232	0.748814	0.951146	0.34153
ENSG00000154529.15	31.48316927	0.506892	0.910991	0.556418	0.577925
ENSG00000124391.5	31.49041645	-1.23151	0.993804	-1.23918	0.215278
ENSG00000230373.8	31.49323202	0.798089	0.773399	1.031925	0.302107
ENSG00000186222.5	31.49713483	1.529551	0.730071	2.095072	0.036165
ENSG00000279278.1	31.50631497	0.605056	0.845012	0.716032	0.473971
ENSG00000268530.6	31.51455435	-0.55873	0.72266	-0.77316	0.43943
ENSG00000139133.7	31.51996873	-0.27546	0.748321	-0.3681	0.712801
ENSG00000257653.1	31.54337975	0.696152	0.71669	0.971344	0.331377
ENSG00000256364.1	31.56624534	-0.21008	0.728153	-0.28851	0.772954
ENSG00000184305.15	31.57329343	-1.36724	0.757155	-1.80576	0.070956

ENSG00000279048.1	31.57699902	-0.44587	0.753815	-0.59148	0.5542
ENSG00000167363.14	31.5784757	0.195664	0.761179	0.257054	0.797137
ENSG00000187626.9	31.58433242	0.303386	0.724395	0.418814	0.675352
ENSG00000075213.11	31.59799283	0.108995	0.847692	0.128578	0.897691
ENSG00000180739.14	31.6057958	0.971881	0.75868	1.281016	0.200188
ENSG00000230596.3	31.60816132	0.004268	0.734462	0.005812	0.995363
ENSG00000186952.15	31.64301681	0.595678	0.8022	0.742556	0.457751
ENSG00000155275.19	31.68205994	0.352801	0.729199	0.48382	0.628513
ENSG00000130675.15	31.68930158	0.443221	0.752972	0.588628	0.556111
ENSG00000136378.15	31.69475759	0.114222	0.73849	0.15467	0.877082
ENSG00000281591.1	31.69911539	2.762418	1.007301	2.742397	0.006099
ENSG00000224982.4	31.70081889	0.015362	0.852964	0.018011	0.98563
ENSG00000172167.8	31.70710029	0.511332	0.75506	0.677207	0.498275
ENSG00000170927.15	31.74810497	0.103666	0.771243	0.134415	0.893075
ENSG00000282458.1	31.76016928	0.733106	0.740997	0.98935	0.322492
ENSG00000168679.18	31.79724507	-0.06008	0.733146	-0.08194	0.934693
ENSG00000261002.5	31.80029519	0.040214	0.728933	0.055169	0.956004
ENSG00000105894.12	31.81934301	0.552232	0.741688	0.744561	0.456537
ENSG00000164743.5	31.84070647	-0.08416	0.720429	-0.11681	0.907007
ENSG00000231851.6	31.84110206	-0.27919	0.721837	-0.38678	0.698918
ENSG00000162344.4	31.84789224	0.781808	0.879284	0.889142	0.373927
ENSG00000226137.5	31.85486402	0.748336	0.754243	0.992168	0.321116
ENSG00000185386.15	31.87708088	0.818697	0.754654	1.084863	0.277982
ENSG00000274253.5	31.88324306	0.898781	0.723929	1.241531	0.21441
ENSG00000187554.14	31.88460984	0.883898	0.762598	1.159061	0.246431
ENSG00000188368.9	31.88579078	-0.001	0.716624	-0.0014	0.998882
ENSG00000189410.12	31.90161135	0.750801	0.793649	0.946011	0.344143
ENSG00000175322.12	31.90296221	-0.70565	0.734214	-0.96109	0.336506
ENSG00000196584.3	31.94161759	0.658089	0.75224	0.874839	0.381662
ENSG00000181143.15	31.95487949	2.49906	1.10441	2.262802	0.023648
ENSG00000177990.12	31.9616241	-0.49679	0.721358	-0.68869	0.491021
ENSG00000088881.21	31.96460493	0.935913	0.788095	1.187564	0.235005
ENSG00000074621.14	31.97108733	0.165463	0.716457	0.230947	0.817356
ENSG00000137491.15	31.97157652	1.370046	0.759162	1.804683	0.071124
ENSG00000236138.4	31.97274828	2.976122	1.053787	2.824216	0.00474
ENSG00000232164.1	31.9819911	1.281489	0.830716	1.542632	0.12292
ENSG00000143001.5	31.98666055	0.285505	0.727245	0.392585	0.694626
ENSG00000259352.1	31.99539384	-0.36237	0.715447	-0.50649	0.612513
ENSG00000225096.3	31.99570853	1.667714	0.820409	2.032783	0.042075
ENSG00000182586.9	32.01150114	-0.10738	0.711768	-0.15086	0.880085
ENSG00000256594.8	32.01521316	-1.3375	0.852579	-1.56878	0.1167
ENSG00000243364.8	32.01726416	0.120793	0.745073	0.162122	0.87121
ENSG00000242590.1	32.02630871	2.341021	0.988018	2.36941	0.017816
ENSG00000226007.3	32.02988097	-0.2462	0.743868	-0.33097	0.740668
ENSG00000240498.9	32.05055625	0.237357	0.726273	0.326815	0.743808
ENSG00000168237.18	32.05722476	0.215473	0.726153	0.296732	0.766671
ENSG00000275234.1	32.07210677	0.424395	0.742261	0.571759	0.567485
ENSG00000263412.1	32.09625621	-0.42611	0.735822	-0.57909	0.562525
ENSG00000155886.11	32.09767747	0.242978	0.778734	0.312017	0.755028
ENSG00000228960.6	32.09998145	1.709648	0.934167	1.83013	0.06723
ENSG00000172346.15	32.10866282	0.204554	0.775625	0.263727	0.79199
ENSG00000250208.6	32.1154182	0.693574	0.776963	0.892673	0.372032

ENSG00000166126.11	32.14479037	0.513879	0.738788	0.69557	0.486698
ENSG00000167799.10	32.15418932	-0.21193	0.734038	-0.28872	0.772794
ENSG00000049089.15	32.16377293	0.842547	0.759841	1.108847	0.267496
ENSG00000243509.6	32.16592242	0.16417	0.734365	0.223554	0.823104
ENSG00000198298.13	32.17304902	-1.25733	0.757823	-1.65913	0.097089
ENSG00000154898.15	32.17327414	-0.07632	0.852049	-0.08958	0.928625
ENSG00000278212.2	32.18169842	-0.20996	0.718276	-0.29232	0.770044
ENSG00000205593.12	32.18748746	-0.9884	0.752327	-1.31379	0.188917
ENSG00000185670.9	32.18750306	0.36334	0.738231	0.492176	0.622595
ENSG00000109667.12	32.1906114	0.383558	0.711758	0.538888	0.589964
ENSG00000159885.14	32.20016225	-0.42416	0.758658	-0.55909	0.576101
ENSG00000288380.1	32.20179193	-0.81412	0.765356	-1.06371	0.28746
ENSG00000241158.7	32.20790956	-0.35392	0.766742	-0.46159	0.644378
ENSG00000081059.20	32.21601924	0.574205	0.801	0.71686	0.473461
ENSG00000149243.15	32.22097094	-0.2799	0.720786	-0.38833	0.697771
ENSG00000117010.17	32.23337137	-0.28359	0.733986	-0.38637	0.699221
ENSG00000162062.15	32.24495037	-0.21248	0.737793	-0.288	0.773347
ENSG00000178235.8	32.24819023	1.30147	0.983372	1.323477	0.185677
ENSG00000182747.5	32.2738675	-0.61801	0.772103	-0.80043	0.423463
ENSG00000286699.1	32.27535235	0.48047	0.834553	0.575722	0.564803
ENSG00000233901.6	32.29026993	-0.52043	0.794308	-0.6552	0.512337
ENSG00000254681.6	32.29165808	2.423228	1.105615	2.191746	0.028398
ENSG00000143195.13	32.30967216	-0.77503	0.721576	-1.07408	0.282787
ENSG00000086991.13	32.31083564	0.14525	0.76807	0.189111	0.850006
ENSG00000245275.8	32.36729571	-0.11996	0.764639	-0.15688	0.875337
ENSG00000275216.2	32.41447378	0.044106	0.825594	0.053423	0.957395
ENSG00000213185.7	32.4170087	0.249171	0.738008	0.337626	0.735645
ENSG00000253816.3	32.41912756	-2.05073	0.892516	-2.2977	0.021579
ENSG00000237489.5	32.45534946	-0.42704	0.710429	-0.60111	0.547768
ENSG00000213145.10	32.45847946	-0.50387	0.770598	-0.65386	0.513199
ENSG00000258959.2	32.45922629	0.273737	0.725808	0.377147	0.706064
ENSG00000288632.1	32.46223773	-0.52739	0.7214	-0.73106	0.464743
ENSG00000258839.4	32.47675363	0.467913	0.74429	0.628671	0.529565
ENSG00000104147.9	32.48864308	-0.01619	0.732631	-0.0221	0.982368
ENSG00000102981.9	32.49057069	0.141227	0.74033	0.190762	0.848712
ENSG00000183486.13	32.51022481	0.722394	0.758024	0.952996	0.340592
ENSG00000284428.1	32.51365504	-0.16312	0.708048	-0.23038	0.817799
ENSG00000186567.13	32.51597901	0.154582	0.732797	0.210948	0.832928
ENSG00000137404.14	32.52675863	-0.05915	0.732039	-0.0808	0.935604
ENSG00000225489.7	32.53197354	0.403539	0.740396	0.545031	0.585732
ENSG00000110148.10	32.53469085	-0.00602	0.751765	-0.00801	0.993606
ENSG00000185291.12	32.54148423	0.295554	0.848057	0.348508	0.727459
ENSG00000139190.16	32.54505941	0.375403	0.803699	0.467093	0.640433
ENSG00000021826.17	32.56452934	0.919323	0.799823	1.149407	0.250388
ENSG00000232759.1	32.62530545	-0.34664	0.78059	-0.44407	0.656989
ENSG00000261324.2	32.63112183	0.843566	0.721745	1.168787	0.242489
ENSG00000221990.4	32.63215379	0.247714	0.708188	0.349785	0.7265
ENSG00000287733.1	32.66733954	0.266009	0.749811	0.354769	0.722763
ENSG00000111199.12	32.68045303	0.005265	0.724386	0.007269	0.9942
ENSG00000163803.13	32.69638765	-0.14886	0.753096	-0.19766	0.843309
ENSG00000054179.12	32.70739186	-0.28421	0.741903	-0.38308	0.701659
ENSG00000188163.8	32.71054036	1.540863	0.738739	2.085801	0.036997

ENSG00000283515.1	32.71708992	-1.55035	0.913535	-1.69709	0.089679
ENSG00000288596.1	32.72615275	1.264769	0.71994	1.756771	0.078957
ENSG00000067715.14	32.73147166	-0.34699	0.821749	-0.42226	0.672834
ENSG00000177257.3	32.73447132	0.073171	0.855744	0.085505	0.93186
ENSG00000260641.1	32.74601537	-0.34416	0.726745	-0.47357	0.635807
ENSG00000111863.13	32.74658806	0.214365	0.727002	0.294862	0.768099
ENSG00000186638.16	32.75561938	0.741034	0.732468	1.011694	0.311684
ENSG00000140479.17	32.75647856	1.065141	0.821294	1.296906	0.194664
ENSG00000275857.1	32.75971657	0.506244	0.717125	0.705936	0.480228
ENSG00000244486.9	32.77274773	0.617837	0.743267	0.831246	0.405835
ENSG00000141540.11	32.77498384	0.643843	0.72414	0.889114	0.373942
ENSG00000196684.12	32.78252138	-0.16081	0.732254	-0.21961	0.826172
ENSG00000259417.3	32.79185775	2.266515	0.935872	2.421823	0.015443
ENSG00000135476.12	32.79367803	1.430191	0.782263	1.828272	0.067509
ENSG00000182010.11	32.79822363	0.135126	0.70777	0.190918	0.84859
ENSG00000185432.12	32.80423128	0.062864	0.722891	0.086962	0.930702
ENSG00000255408.4	32.80597628	0.008527	0.734439	0.01161	0.990737
ENSG00000244161.1	32.81565079	0.274944	0.708546	0.388039	0.697987
ENSG00000265287.2	32.84438408	-0.45609	0.710166	-0.64223	0.520725
ENSG00000121904.17	32.84621628	0.111572	0.766758	0.145511	0.884307
ENSG00000128045.7	32.8481475	-0.15421	0.881138	-0.17501	0.861068
ENSG00000204947.9	32.85973879	0.115781	0.732188	0.15813	0.874354
ENSG00000196391.11	32.85976	-0.55485	0.72653	-0.76369	0.445051
ENSG00000279332.1	32.87852975	-0.87427	0.908634	-0.96219	0.335957
ENSG00000179909.15	32.91013965	-0.19099	0.783286	-0.24384	0.807358
ENSG00000258666.1	32.91497186	-0.16138	0.719428	-0.22432	0.822507
ENSG00000126733.21	32.92865797	-0.92692	0.731741	-1.26674	0.205248
ENSG00000235947.1	32.93433306	-1.02349	0.837786	-1.22166	0.221836
ENSG00000279762.3	32.93460709	0.713639	0.739439	0.965108	0.33449
ENSG00000198774.5	32.94773149	0.385406	0.787976	0.489109	0.624764
ENSG00000224081.9	32.95324245	-0.2226	0.757347	-0.29392	0.768819
ENSG00000273301.1	32.95657866	-0.15981	0.720479	-0.22181	0.824463
ENSG00000261327.5	32.98535205	-0.0511	0.758075	-0.06741	0.946257
ENSG00000186193.9	32.99160175	0.865474	0.721141	1.200145	0.230083
ENSG00000282508.2	33.00090598	-0.829	0.772401	-1.07328	0.283145
ENSG00000273420.1	33.00622345	0.842708	0.736484	1.144232	0.252528
ENSG00000246889.2	33.02055818	0.37945	0.829214	0.457601	0.647239
ENSG00000285864.1	33.03099455	0.195137	0.779666	0.250282	0.802369
ENSG00000171791.13	33.04281238	1.499441	0.795592	1.884686	0.059472
ENSG00000261359.2	33.04292508	-0.04705	0.751797	-0.06258	0.9501
ENSG00000230797.3	33.05078631	0.539097	0.751719	0.717152	0.47328
ENSG00000223773.7	33.05304821	0.115903	0.707055	0.163923	0.869792
ENSG00000155367.15	33.05352961	-0.95904	0.750194	-1.27839	0.201111
ENSG00000250486.5	33.08337561	-0.36214	0.725327	-0.49928	0.617584
ENSG00000118160.14	33.10630205	0.607339	0.710732	0.854526	0.392814
ENSG00000168060.16	33.11074683	-0.70058	0.768726	-0.91135	0.362111
ENSG00000120645.12	33.13238201	-0.35101	0.725627	-0.48373	0.628575
ENSG00000197497.11	33.1516349	0.391151	0.733046	0.533597	0.59362
ENSG00000099958.15	33.15485379	0.245904	0.791762	0.310578	0.756121
ENSG00000251669.6	33.17788177	-0.73995	0.716481	-1.03276	0.301715
ENSG00000151838.12	33.18993389	0.053498	0.702248	0.076181	0.939275
ENSG00000267934.1	33.22695083	-0.69746	0.727993	-0.95806	0.338033

ENSG00000148082.10	33.23151544	1.085762	0.858548	1.264648	0.205997
ENSG00000254835.1	33.25752606	-0.93471	0.712495	-1.31189	0.189559
ENSG00000215417.13	33.25955874	0.281664	0.720549	0.390902	0.69587
ENSG00000286511.1	33.26987525	0.529144	0.714175	0.740917	0.458744
ENSG00000065320.9	33.29004192	0.016792	0.709351	0.023672	0.981114
ENSG00000257261.6	33.29878187	-0.07734	0.716698	-0.10792	0.91406
ENSG00000064886.14	33.32039938	-0.54267	0.734817	-0.73851	0.460204
ENSG00000160766.14	33.33663968	-0.90449	0.7223	-1.25224	0.210482
ENSG00000273604.2	33.34260123	1.328929	0.746887	1.779292	0.075192
ENSG00000166813.15	33.35756252	1.45397	0.807306	1.801014	0.071701
ENSG00000245149.4	33.38443677	0.341748	0.750805	0.455175	0.648983
ENSG00000197566.10	33.3930509	-0.31052	0.717813	-0.43259	0.665315
ENSG00000261542.1	33.39887674	-0.1223	0.755697	-0.16183	0.871438
ENSG00000278761.1	33.40819861	-3.8881	3.855606	-1.00843	0.313249
ENSG00000147799.11	33.40997296	0.409902	0.71659	0.572017	0.567311
ENSG00000146700.9	33.4670735	0.049816	0.867672	0.057414	0.954216
ENSG00000187953.10	33.48129822	0.219328	0.794426	0.276084	0.782483
ENSG00000132554.20	33.49194834	-0.95645	0.726321	-1.31685	0.18789
ENSG00000188827.11	33.49914929	0.580288	0.72226	0.803433	0.421724
ENSG00000263165.1	33.50457032	0.597808	0.701937	0.851654	0.394406
ENSG00000105889.15	33.50824998	0.277377	0.727508	0.381271	0.703003
ENSG00000176092.15	33.51152827	0.543387	0.825835	0.657985	0.510548
ENSG00000170846.17	33.53273695	1.15568	0.806139	1.433599	0.151687
ENSG00000129675.16	33.53626871	-0.49182	0.775308	-0.63435	0.525854
ENSG00000144712.12	33.54200498	-0.47948	0.707238	-0.67797	0.497793
ENSG00000171984.15	33.54731259	-0.57106	0.813467	-0.702	0.482676
ENSG00000165698.16	33.55226467	-0.25951	0.713597	-0.36366	0.716108
ENSG00000283050.2	33.56263982	-0.49411	0.73452	-0.67269	0.501144
ENSG00000196118.12	33.56315639	0.001543	0.720844	0.002141	0.998292
ENSG00000121690.11	33.5633746	-0.02916	0.707759	-0.0412	0.967136
ENSG00000186517.14	33.5763313	0.502839	0.844714	0.595277	0.551658
ENSG00000214922.9	33.58139779	0.807499	0.709341	1.13838	0.254962
ENSG00000196189.13	33.58625191	-0.43193	0.746204	-0.57884	0.562697
ENSG00000286618.1	33.60214534	-0.17696	0.716379	-0.24701	0.804897
ENSG00000115590.14	33.6063358	-0.37477	0.723083	-0.5183	0.60425
ENSG00000188738.15	33.61462339	1.171939	0.899403	1.303018	0.192569
ENSG00000174672.16	33.62359862	0.120144	0.723526	0.166054	0.868115
ENSG00000132837.15	33.63185286	0.343702	0.759468	0.452556	0.650869
ENSG00000257605.2	33.63766034	0.274938	0.704263	0.390391	0.696248
ENSG00000228274.4	33.64061469	-0.18249	0.711626	-0.25644	0.797614
ENSG00000236200.6	33.64270201	0.109618	0.700517	0.156481	0.875654
ENSG00000156042.18	33.65422892	0.181187	0.738958	0.245192	0.806308
ENSG00000178878.13	33.7079461	1.050268	0.862733	1.217373	0.223462
ENSG00000128917.8	33.7081891	0.447026	0.753437	0.593316	0.55297
ENSG00000273888.1	33.72194045	0.059682	0.703067	0.084888	0.93235
ENSG00000267060.6	33.74073156	0.433681	0.713495	0.607827	0.543303
ENSG00000225793.3	33.75916893	0.524439	0.734826	0.713691	0.475418
ENSG00000136155.17	33.77420217	-1.61428	0.879231	-1.83602	0.066355
ENSG00000221947.8	33.77519094	0.054789	0.706785	0.077519	0.938211
ENSG00000236051.7	33.77745119	0.39135	0.696282	0.562056	0.574078
ENSG00000260903.3	33.81919532	1.148109	0.746999	1.536961	0.124303
ENSG00000165023.7	33.82024885	-0.41364	0.71837	-0.57581	0.564747

ENSG00000160949.17	33.85068517	1.007082	0.745224	1.351382	0.176573
ENSG00000230438.7	33.85912145	-0.31678	0.730251	-0.4338	0.664435
ENSG00000140511.12	33.86527713	-0.58687	0.727664	-0.80651	0.419947
ENSG00000151468.11	33.87848963	0.338763	0.723792	0.468039	0.639756
ENSG00000187021.15	33.87913669	1.26896	0.899629	1.410537	0.158381
ENSG00000283189.2	33.88022409	-0.26827	0.71734	-0.37398	0.708423
ENSG00000164879.7	33.88121716	-0.77855	0.740203	-1.05181	0.292888
ENSG00000097096.9	33.88505587	0.280023	0.706711	0.396234	0.691932
ENSG00000230490.3	33.90726556	0.1498	0.742358	0.20179	0.840081
ENSG00000106415.13	33.9080859	-0.50842	0.766627	-0.66319	0.507209
ENSG00000115468.12	33.91031756	-0.03471	0.716019	-0.04848	0.961336
ENSG00000130590.14	33.93731137	0.04326	0.775833	0.05576	0.955533
ENSG00000180155.20	33.94532569	-0.24476	0.741222	-0.33022	0.741237
ENSG00000179240.12	33.97639732	0.874283	0.740221	1.181111	0.237559
ENSG00000185453.13	33.97753503	1.049062	0.720754	1.455505	0.145529
ENSG00000234222.6	33.99026245	-0.22929	0.742237	-0.30891	0.757388
ENSG00000149292.17	34.00097951	-0.56962	0.733487	-0.7766	0.437396
ENSG00000227198.1	34.06004624	0.228194	0.748575	0.304838	0.76049
ENSG00000272767.1	34.07421478	-1.17242	0.747613	-1.56822	0.116831
ENSG00000005243.10	34.09514394	1.241988	0.926755	1.340147	0.180198
ENSG00000081277.13	34.09990932	-1.05955	0.762081	-1.39034	0.164425
ENSG00000070759.17	34.09994779	-0.26411	0.759347	-0.34781	0.727979
ENSG00000260898.6	34.10476406	0.006402	0.709563	0.009022	0.992802
ENSG00000058335.16	34.10558534	-0.69972	0.740592	-0.94481	0.344756
ENSG00000162817.7	34.11056467	0.964612	0.712	1.354791	0.175484
ENSG00000159433.12	34.13650459	0.622191	0.89177	0.697703	0.485363
ENSG00000133874.2	34.13892768	0.899326	0.777335	1.156935	0.247299
ENSG00000236609.4	34.15465679	0.670343	0.741719	0.903769	0.366118
ENSG00000229891.2	34.15787591	-0.14416	0.71148	-0.20262	0.839433
ENSG00000228782.7	34.17170907	-0.69632	0.694445	-1.0027	0.316006
ENSG00000114805.18	34.17390043	-0.18542	0.710922	-0.26082	0.79423
ENSG00000176896.8	34.17718349	-0.73206	0.780472	-0.93797	0.34826
ENSG00000235016.1	34.18097663	0.7128	0.774809	0.919969	0.357589
ENSG00000254615.3	34.18276902	0.736483	0.721052	1.0214	0.307065
ENSG00000132010.16	34.18618896	0.342684	0.804699	0.425854	0.670214
ENSG00000127561.15	34.18689686	0.380387	0.703309	0.540854	0.588608
ENSG00000240038.6	34.23388988	-0.36934	0.702071	-0.52608	0.598834
ENSG00000285190.1	34.25261555	-0.42378	0.732041	-0.5789	0.562658
ENSG00000141933.9	34.26695752	1.017217	0.781469	1.301673	0.193028
ENSG00000151948.12	34.27316157	0.081775	0.725825	0.112665	0.910296
ENSG00000041515.16	34.30191134	0.181391	0.700061	0.259108	0.795552
ENSG00000266921.2	34.30412408	0.208559	0.707181	0.294917	0.768058
ENSG00000158714.11	34.31332217	0.623708	0.814961	0.765322	0.44408
ENSG00000229043.3	34.32468668	0.341906	0.730694	0.467919	0.639843
ENSG00000145861.9	34.3391093	0.548528	0.720268	0.761561	0.446322
ENSG00000179761.12	34.34274503	-0.10165	0.806975	-0.12597	0.899758
ENSG00000257529.5	34.34567077	-6.49991	2.601571	-2.49846	0.012474
ENSG00000283162.1	34.34689324	-0.36754	0.814962	-0.45099	0.651994
ENSG00000236104.3	34.37077852	0.702499	0.730692	0.961416	0.336343
ENSG00000171560.16	34.37816812	-0.18937	0.721909	-0.26232	0.793078
ENSG00000089091.16	34.39021424	-0.15173	0.689242	-0.22014	0.825759
ENSG00000261915.6	34.39109752	0.862197	0.747212	1.153886	0.248547

ENSG00000130812.10	34.40770592	-0.08102	0.710908	-0.11396	0.909269
ENSG00000102239.5	34.4124543	1.806985	0.951287	1.899515	0.057497
ENSG00000085840.13	34.4255712	1.262309	0.736432	1.714089	0.086512
ENSG00000101160.14	34.44779856	0.626743	0.695486	0.901158	0.367504
ENSG00000128510.12	34.45667048	0.802359	0.726075	1.105064	0.269132
ENSG00000101955.15	34.4572824	-0.33861	0.723054	-0.4683	0.63957
ENSG00000285596.1	34.49205179	-0.01535	0.7192	-0.02134	0.982976
ENSG00000006837.12	34.5251278	-0.57951	0.704897	-0.82212	0.411009
ENSG00000259363.6	34.5272595	0.755083	0.76144	0.991651	0.321368
ENSG00000023171.18	34.52940222	1.47754	0.818876	1.804351	0.071176
ENSG00000118777.12	34.53216878	0.304967	0.758377	0.402131	0.687587
ENSG00000181135.16	34.54233317	0.182574	0.750248	0.243352	0.807733
ENSG00000143226.15	34.55860518	2.102141	0.92618	2.26969	0.023226
ENSG00000187792.5	34.59466838	0.193348	0.69151	0.279602	0.779783
ENSG00000117600.12	34.60576764	0.320584	0.748761	0.428153	0.66854
ENSG00000229140.11	34.61738	1.432564	0.924939	1.54882	0.121425
ENSG00000260879.1	34.62665606	-0.06799	0.692211	-0.09823	0.921753
ENSG00000123080.12	34.62955777	1.584339	0.774223	2.046361	0.040721
ENSG00000144152.13	34.64188128	0.943339	0.767153	1.229661	0.218824
ENSG00000197766.8	34.69552695	0.332708	0.720633	0.461689	0.644305
ENSG00000118690.13	34.6957341	-2.00729	0.784382	-2.55907	0.010495
ENSG00000267064.2	34.6965943	0.656593	0.724757	0.90595	0.364962
ENSG00000118526.7	34.70944709	0.18369	0.735804	0.249645	0.802862
ENSG00000162618.15	34.70970082	0.058986	0.761381	0.077472	0.938248
ENSG00000124467.19	34.72793561	-0.55948	0.94623	-0.59128	0.554335
ENSG00000117586.11	34.7367547	-0.87795	0.763921	-1.14926	0.250447
ENSG00000251247.11	34.75102483	0.775967	0.692041	1.121273	0.262172
ENSG00000134215.16	34.76848592	0.411094	0.801064	0.513185	0.607822
ENSG00000259291.2	34.78344335	0.510699	0.695819	0.733954	0.462977
ENSG00000241163.8	34.800265	2.618884	0.914815	2.862746	0.0042
ENSG00000282393.1	34.80567497	0.584858	0.730388	0.800749	0.423277
ENSG00000187699.10	34.82291681	0.414796	0.740071	0.560481	0.575151
ENSG00000185345.23	34.86027546	-0.79135	0.737856	-1.07249	0.283499
ENSG00000180769.10	34.86531557	-0.33862	0.775231	-0.4368	0.662258
ENSG00000179954.16	34.87091517	0.880766	0.788024	1.117689	0.2637
ENSG00000159618.16	34.87172354	0.89639	0.725777	1.235075	0.216802
ENSG00000231711.2	34.88519699	1.003423	0.732496	1.369868	0.170728
ENSG00000100379.17	34.90374179	0.900646	0.697879	1.290547	0.196861
ENSG00000219410.6	34.93836483	0.739166	0.719673	1.027086	0.30438
ENSG00000046653.15	34.94734816	0.074066	0.72612	0.102002	0.918755
ENSG00000178935.5	34.951734	0.384786	0.749417	0.513447	0.607639
ENSG00000280670.3	35.0045457	-0.17364	0.706117	-0.24591	0.805754
ENSG00000144648.16	35.01980548	0.827683	0.726264	1.139646	0.254434
ENSG00000251474.6	35.02348485	-0.26013	0.687583	-0.37833	0.705186
ENSG00000127129.10	35.03010666	-0.27357	0.803442	-0.34049	0.733485
ENSG00000146233.8	35.04687881	-0.1854	0.689813	-0.26876	0.788111
ENSG00000151790.9	35.06464252	0.559893	0.696319	0.804075	0.421354
ENSG00000248483.7	35.09635567	-0.40966	0.708949	-0.57784	0.563374
ENSG00000268279.4	35.10329546	0.333472	0.73927	0.451083	0.65193
ENSG00000245694.10	35.11765554	0.485748	0.743396	0.653417	0.513487
ENSG00000259466.1	35.12368281	0.033102	0.899772	0.036789	0.970653
ENSG00000081842.18	35.1330778	0.473521	0.697546	0.678839	0.49724

ENSG00000205978.6	35.17018068	0.72603	0.697762	1.040513	0.298102
ENSG00000143412.10	35.17776956	-0.1527	0.840055	-0.18177	0.855765
ENSG00000184949.16	35.18367458	0.563309	0.743453	0.757693	0.448635
ENSG00000110436.13	35.18975584	0.373319	0.989743	0.377188	0.706034
ENSG00000180336.18	35.2111156	0.346737	0.711965	0.487013	0.626249
ENSG00000092850.12	35.21696217	-0.6397	0.708566	-0.90282	0.366623
ENSG00000259605.3	35.21770397	0.273024	0.689305	0.396085	0.692042
ENSG00000280077.1	35.25025476	0.318898	0.778396	0.409686	0.682036
ENSG00000286009.2	35.25173706	-0.12404	0.702953	-0.17645	0.85994
ENSG00000286912.1	35.25190619	-0.75563	0.775652	-0.97419	0.329961
ENSG00000254701.3	35.26213735	-0.45781	0.688208	-0.66521	0.505914
ENSG00000153246.13	35.27756197	1.125712	0.850572	1.323476	0.185677
ENSG00000186715.11	35.27931244	0.08738	0.706195	0.123734	0.901526
ENSG00000154760.14	35.28960241	0.334554	0.7689	0.435107	0.663485
ENSG00000077279.19	35.29127968	0.032398	0.806205	0.040186	0.967945
ENSG00000144596.13	35.29280163	0.537074	0.704943	0.761869	0.446138
ENSG00000267281.2	35.29382157	0.117542	0.820189	0.143311	0.886044
ENSG00000187984.13	35.31523788	0.408814	0.750893	0.544437	0.586141
ENSG00000131203.13	35.3154903	0.587964	0.788707	0.745479	0.455982
ENSG00000220804.8	35.32137247	0.611608	0.7644	0.800116	0.423644
ENSG00000231584.8	35.32903085	-0.52307	0.702775	-0.74429	0.456703
ENSG00000105321.14	35.33304267	1.190364	0.758172	1.570043	0.116405
ENSG00000151651.16	35.34511975	-0.50512	0.696939	-0.72477	0.468593
ENSG00000153896.19	35.34590174	0.228865	0.68713	0.333073	0.739079
ENSG00000176769.9	35.36785485	0.024505	0.712136	0.034411	0.972549
ENSG00000282798.1	35.37205697	0.657269	0.72906	0.901529	0.367307
ENSG00000124429.18	35.37297406	-0.08233	0.781842	-0.1053	0.916137
ENSG00000231999.7	35.38727257	-0.20899	0.68701	-0.3042	0.760978
ENSG00000140807.7	35.40515085	2.653846	0.88034	3.014568	0.002573
ENSG00000080293.10	35.41336919	0.86357	0.883088	0.977899	0.328124
ENSG00000197180.2	35.4169202	0.473062	0.707141	0.668979	0.503509
ENSG00000114200.10	35.43836692	-0.7489	0.699196	-1.07109	0.284128
ENSG00000197381.16	35.44914473	-0.54222	0.76479	-0.70898	0.478336
ENSG00000106100.11	35.4593923	-0.29458	0.692666	-0.42529	0.670627
ENSG00000196155.13	35.46159867	-0.14769	0.710227	-0.20794	0.835275
ENSG00000247679.3	35.50220892	-0.2267	0.729215	-0.31088	0.755888
ENSG00000204519.11	35.51165516	-0.04868	0.732669	-0.06644	0.947031
ENSG00000185518.11	35.5302502	0.749499	0.728331	1.029064	0.30345
ENSG00000184809.13	35.53662124	1.266548	0.705069	1.796346	0.07244
ENSG00000233429.9	35.56645465	0.301699	0.717196	0.420664	0.674
ENSG00000234380.2	35.58549853	0.402815	0.694069	0.580367	0.561667
ENSG00000076344.16	35.59011633	-0.24706	0.68731	-0.35946	0.719248
ENSG00000213988.11	35.59386131	0.380706	0.736385	0.516992	0.605161
ENSG00000166762.19	35.61655018	0.069462	0.725598	0.09573	0.923735
ENSG00000129167.9	35.62256113	0.076057	0.727725	0.104514	0.916762
ENSG00000279413.1	35.6408219	-0.27363	0.68552	-0.39915	0.689782
ENSG00000179943.8	35.66111825	0.836171	0.731261	1.143465	0.252846
ENSG00000106688.12	35.68585186	0.193102	0.718901	0.268607	0.788232
ENSG00000233834.6	35.69256014	-0.08671	0.705407	-0.12292	0.902171
ENSG00000127528.6	35.72510706	1.97571	0.743626	2.656859	0.007887
ENSG00000204588.5	35.73631004	-0.04749	0.769899	-0.06169	0.950811
ENSG00000261408.7	35.73750783	0.11918	0.680442	0.175151	0.860961

ENSG00000272645.3	35.74580237	-0.7649	0.701833	-1.08986	0.275776
ENSG00000198720.13	35.76710117	0.62555	0.70696	0.884845	0.37624
ENSG00000224934.5	35.78109607	-0.21361	0.792131	-0.26966	0.787421
ENSG00000164220.7	35.7843712	0.342119	0.728966	0.469321	0.63884
ENSG00000196267.12	35.81313165	0.83391	0.685692	1.216158	0.223925
ENSG00000227733.10	35.81943779	-0.04769	0.734775	-0.06491	0.948249
ENSG00000227751.1	35.84106383	0.847724	0.770628	1.100044	0.271313
ENSG00000230487.8	35.84368086	0.2861	0.704793	0.405934	0.684791
ENSG00000167994.13	35.8839586	0.337235	0.690473	0.488412	0.625258
ENSG00000259820.1	35.88878059	0.72487	0.690862	1.049226	0.294074
ENSG00000165323.15	35.89136071	1.162329	0.780038	1.490093	0.1362
ENSG00000076770.14	35.90996118	-1.12402	0.710651	-1.58167	0.113725
ENSG00000154721.15	35.9115959	0.637564	0.820129	0.777395	0.436926
ENSG00000173641.17	35.91223654	0.688718	0.716058	0.961819	0.33614
ENSG00000160602.14	35.94447261	0.114216	0.67947	0.168096	0.866508
ENSG00000222047.9	35.95994728	-0.86115	0.713232	-1.20738	0.227284
ENSG00000272913.1	35.96619433	-0.83395	0.771156	-1.08143	0.279505
ENSG00000250159.7	35.97689123	-0.17011	0.702654	-0.2421	0.808704
ENSG00000188825.14	36.00693303	0.133249	0.707805	0.188257	0.850675
ENSG00000188266.14	36.01583201	-0.47786	0.680885	-0.70182	0.482793
ENSG00000019485.13	36.03413862	0.660188	0.684955	0.963843	0.335125
ENSG00000257270.1	36.06541892	0.488219	0.728855	0.669844	0.502957
ENSG00000225439.3	36.11859703	-0.4361	0.72099	-0.60487	0.545269
ENSG00000144730.19	36.11948841	0.723245	0.779294	0.928078	0.353367
ENSG00000088836.14	36.12059286	0.292101	0.728056	0.401207	0.688268
ENSG00000222043.2	36.15958089	0.155482	0.700653	0.22191	0.824384
ENSG00000258301.3	36.17985099	-0.02083	0.706149	-0.0295	0.976467
ENSG00000130755.13	36.20039166	0.484843	0.717299	0.675929	0.499086
ENSG00000275056.1	36.20444522	0.4167	0.729412	0.571282	0.567808
ENSG00000229739.4	36.20714094	0.012432	0.734119	0.016934	0.986489
ENSG00000184206.12	36.20990062	1.659658	0.75906	2.186466	0.028782
ENSG00000248275.2	36.22308715	0.239046	0.684382	0.349287	0.726874
ENSG00000184227.8	36.23781542	0.095084	0.683946	0.139023	0.889432
ENSG00000095713.14	36.23916527	0.217117	0.710483	0.305591	0.759916
ENSG00000259721.1	36.24004682	-0.15471	0.717844	-0.21552	0.829363
ENSG00000254166.3	36.26169622	0.817892	0.755821	1.082124	0.279198
ENSG00000214425.8	36.28769575	-0.05728	0.709039	-0.08078	0.935616
ENSG00000243244.7	36.30292731	1.426055	0.863961	1.6506	0.09882
ENSG00000219073.8	36.32242785	0.844527	0.837057	1.008924	0.313011
ENSG00000167105.8	36.32716126	0.117899	0.741601	0.158979	0.873685
ENSG00000167741.11	36.36179415	-0.56223	0.756945	-0.74276	0.457625
ENSG00000226674.11	36.38995371	1.944282	1.03331	1.881605	0.05989
ENSG00000205464.12	36.39034588	-0.70822	0.74878	-0.94584	0.344232
ENSG00000268104.3	36.39755831	-0.71449	0.822947	-0.86821	0.385282
ENSG00000281691.1	36.39941846	-0.73387	0.703922	-1.04255	0.297157
ENSG00000166582.10	36.40269498	0.938	0.694493	1.350626	0.176815
ENSG00000256061.7	36.40366087	-0.00494	0.785379	-0.00629	0.994978
ENSG00000156218.13	36.41020336	1.817463	0.717475	2.533136	0.011305
ENSG00000189423.13	36.41732597	0.383807	0.792573	0.484254	0.628206
ENSG00000255498.1	36.43554761	0.582471	0.686039	0.849035	0.395862
ENSG00000284644.1	36.43630577	-0.4292	0.70813	-0.6061	0.544448
ENSG00000260107.1	36.45318724	0.717107	0.703519	1.019315	0.308054

ENSG00000286239.1	36.45351614	-5.43641	1.202929	-4.51931	6.20E-06
ENSG00000177640.16	36.4568281	0.892496	0.700165	1.274693	0.202418
ENSG00000127423.11	36.47963536	0.024721	0.693638	0.035639	0.97157
ENSG00000144792.9	36.52530988	0.889054	0.771014	1.153098	0.24887
ENSG00000176595.4	36.53413541	0.680091	0.699654	0.972038	0.331031
ENSG00000166669.13	36.53458067	0.105591	0.697995	0.151277	0.879757
ENSG00000256628.3	36.5441893	0.412419	0.680516	0.606039	0.544489
ENSG00000271503.6	36.54741333	1.496954	0.829775	1.804048	0.071224
ENSG00000251615.3	36.5546556	-0.57231	0.734758	-0.77891	0.436033
ENSG00000224897.8	36.58717872	0.030455	0.678361	0.044895	0.964191
ENSG00000064309.14	36.60004223	0.007513	0.697985	0.010764	0.991412
ENSG00000183439.9	36.60281379	-0.02185	0.683525	-0.03196	0.974501
ENSG00000184459.8	36.61116905	-0.92014	0.776571	-1.18488	0.236065
ENSG00000258891.1	36.61656227	-0.58904	0.678868	-0.86768	0.38557
ENSG00000026751.17	36.62051662	0.658513	0.722021	0.912042	0.361746
ENSG00000280248.1	36.62701363	0.066719	0.702617	0.094958	0.924349
ENSG00000173114.13	36.6444314	1.082864	0.731765	1.479796	0.138928
ENSG00000196876.18	36.65402456	1.504424	0.724031	2.077845	0.037724
ENSG00000284966.3	36.6796644	0.744082	0.693783	1.0725	0.283496
ENSG00000104967.8	36.7163458	1.292628	0.802579	1.610593	0.107268
ENSG00000235079.1	36.71638335	0.099594	0.709761	0.140321	0.888407
ENSG00000142409.6	36.72612304	1.083556	0.696498	1.555719	0.119775
ENSG00000272150.5	36.72790696	0.511858	0.856324	0.597739	0.550014
ENSG00000146147.15	36.72956408	0.064749	0.698526	0.092694	0.926147
ENSG00000172818.10	36.75310866	-0.23853	0.761729	-0.31314	0.754171
ENSG00000247853.2	36.75845517	0.104429	0.691111	0.151104	0.879894
ENSG00000174327.7	36.77720035	-0.90171	0.801938	-1.12441	0.260839
ENSG00000148459.16	36.78253515	0.208742	0.710495	0.293798	0.768912
ENSG00000226419.8	36.78839012	-0.06734	0.685703	-0.09821	0.921769
ENSG00000228509.6	36.79923009	-0.23159	0.695259	-0.33309	0.739063
ENSG00000260246.1	36.82054019	-0.04597	0.7401	-0.06211	0.950474
ENSG00000273723.1	36.8418404	1.222242	0.711221	1.718512	0.085703
ENSG00000080854.16	36.85376059	-1.14729	1.069621	-1.07262	0.283443
ENSG00000177943.14	36.86186413	0.138678	0.685276	0.202368	0.839629
ENSG00000161653.11	36.88269565	0.085413	0.680107	0.125587	0.900059
ENSG00000176894.10	36.89980912	0.467731	0.70292	0.665411	0.505788
ENSG00000107984.10	36.90458919	0.019471	0.770989	0.025254	0.979852
ENSG00000259768.6	36.9144711	0.356803	0.694069	0.514074	0.6072
ENSG00000084734.9	36.91845092	0.075418	0.738331	0.102146	0.918641
ENSG00000093217.11	36.92546734	-0.2905	0.680054	-0.42718	0.66925
ENSG00000187123.15	36.92716836	0.380067	0.723534	0.525293	0.59938
ENSG00000260027.5	36.93081379	0.556327	0.746591	0.745157	0.456177
ENSG00000233452.7	36.95770509	-0.11915	0.691748	-0.17224	0.863245
ENSG00000221994.12	36.96029518	-0.22703	0.70535	-0.32187	0.747549
ENSG00000166796.12	36.96551239	-0.99145	0.941241	-1.05334	0.292185
ENSG00000149679.11	36.98025821	0.115027	0.6915	0.166344	0.867887
ENSG00000260941.1	36.98736946	-0.78769	0.707916	-1.11269	0.265842
ENSG00000169247.14	36.99769626	-0.00547	0.709097	-0.00772	0.99384
ENSG00000224417.2	37.01498458	0.214767	0.81778	0.262622	0.792842
ENSG00000182796.14	37.02218509	0.224841	0.693467	0.324227	0.745766
ENSG00000119042.17	37.03775909	0.69356	0.696596	0.995641	0.319425
ENSG00000170890.14	37.05252754	-0.40991	0.858728	-0.47735	0.633113

ENSG00000224397.7	37.106219	0.322591	0.750454	0.429861	0.667297
ENSG00000232445.2	37.1068757	0.324261	0.69505	0.466528	0.640837
ENSG00000066230.12	37.11798446	0.44436	0.693609	0.640649	0.521751
ENSG00000189420.8	37.18085046	-0.04889	0.691352	-0.07072	0.943618
ENSG00000138722.10	37.18623692	0.688928	0.695376	0.990727	0.321819
ENSG00000175175.6	37.18739174	-0.37396	0.71253	-0.52484	0.599698
ENSG00000181754.7	37.19066154	0.363966	0.682999	0.532894	0.594107
ENSG00000270069.1	37.21542354	1.126635	0.683244	1.648951	0.099158
ENSG00000225792.2	37.2388939	-0.06726	0.672976	-0.09995	0.920387
ENSG00000287725.1	37.24266943	-0.70033	0.738211	-0.94869	0.342779
ENSG00000277117.5	37.2501633	-1.00073	0.73319	-1.3649	0.172284
ENSG00000152503.10	37.26856662	0.895453	0.710541	1.260241	0.207582
ENSG00000178917.16	37.26880388	-0.7746	0.703058	-1.10176	0.270568
ENSG00000248019.3	37.30489491	0.450882	0.68234	0.660788	0.508748
ENSG00000129968.16	37.31113657	1.670321	0.700773	2.383539	0.017147
ENSG00000197128.11	37.31129871	-0.01827	0.678089	-0.02694	0.97851
ENSG00000175820.4	37.31343158	0.816079	0.8737	0.93405	0.350278
ENSG00000206073.11	37.32195799	0.043294	0.988289	0.043807	0.965058
ENSG00000187609.16	37.32495708	0.22712	0.681198	0.333412	0.738823
ENSG00000262468.6	37.33449985	-0.75756	0.726504	-1.04274	0.297066
ENSG00000022556.16	37.34104753	0.637666	0.685313	0.930474	0.352126
ENSG00000249375.8	37.34664562	-0.62459	0.681879	-0.91598	0.359678
ENSG00000213398.8	37.39991758	0.062305	0.678793	0.091788	0.926866
ENSG00000130222.11	37.41637613	0.62501	0.697037	0.896666	0.369897
ENSG00000232907.8	37.43068967	0.308241	0.683289	0.451113	0.651908
ENSG00000256940.2	37.43505342	0.11962	0.726813	0.164581	0.869274
ENSG00000229320.3	37.44129801	-0.136	0.676784	-0.20094	0.840742
ENSG00000185290.4	37.44525879	-0.43764	0.712819	-0.61395	0.539249
ENSG00000213599.10	37.44729397	0.226095	0.679853	0.332564	0.739463
ENSG00000225177.6	37.45172843	0.072918	0.771573	0.094506	0.924707
ENSG00000265179.7	37.45965249	-0.03979	0.845313	-0.04707	0.962461
ENSG00000108797.12	37.47652954	1.132161	0.696128	1.626369	0.103871
ENSG00000171757.17	37.47718186	0.088624	0.692706	0.127939	0.898197
ENSG00000100092.24	37.48319811	0.642017	0.711749	0.902028	0.367042
ENSG00000189129.14	37.48571442	0.380439	0.751898	0.505972	0.612876
ENSG00000163132.8	37.50421216	1.156512	0.697307	1.658541	0.097208
ENSG00000167774.2	37.50565773	-0.21471	0.733719	-0.29263	0.769805
ENSG00000160813.7	37.50675476	0.319236	0.66927	0.47699	0.633369
ENSG00000077274.9	37.52289565	0.030025	0.862412	0.034816	0.972227
ENSG00000274925.1	37.52315939	-0.20895	0.744439	-0.28068	0.778957
ENSG00000250033.5	37.52396385	-0.40975	0.691132	-0.59287	0.55327
ENSG00000156687.11	37.53114052	0.405624	0.761484	0.532675	0.594259
ENSG00000021852.13	37.54355787	-0.12465	0.724121	-0.17214	0.863329
ENSG00000148671.14	37.55885746	0.249412	0.674237	0.369918	0.711444
ENSG00000173621.9	37.5625965	1.198356	0.699064	1.71423	0.086487
ENSG00000131094.4	37.60337529	0.723333	0.68619	1.054129	0.291824
ENSG00000229425.3	37.61729279	-0.13414	0.669168	-0.20046	0.841121
ENSG00000183763.9	37.63724982	-0.12723	0.692294	-0.18378	0.854186
ENSG00000153233.13	37.65466665	1.103551	0.722634	1.527124	0.12673
ENSG00000008382.16	37.65580696	1.621819	0.688125	2.356868	0.01843
ENSG00000285908.1	37.66126354	-0.40638	0.69076	-0.58831	0.556324
ENSG00000225377.6	37.71381004	-0.49854	0.692272	-0.72015	0.471432

ENSG00000242539.2	37.73751277	0.206889	0.789877	0.261926	0.793379
ENSG00000067191.16	37.7443223	-0.3769	0.701972	-0.53691	0.591327
ENSG00000226887.8	37.76009967	0.156797	0.730773	0.214563	0.830108
ENSG00000284691.1	37.77284467	-0.18953	0.699309	-0.27103	0.786367
ENSG00000168778.12	37.79867133	0.103548	0.715572	0.144706	0.884943
ENSG00000133247.14	37.79900742	0.727584	0.67226	1.082295	0.279121
ENSG00000261845.2	37.84935414	0.172643	0.677781	0.254719	0.79894
ENSG00000156172.6	37.8539219	-0.8631	0.694312	-1.2431	0.21383
ENSG00000196549.12	37.85585205	1.26392	0.839953	1.504751	0.132388
ENSG00000188910.8	37.8646993	-0.36488	0.706922	-0.51615	0.605746
ENSG00000184564.11	37.86603072	-0.02529	0.803501	-0.03148	0.974889
ENSG00000230202.1	37.8687609	0.226409	1.100634	0.205708	0.837019
ENSG00000150672.17	37.87305036	-0.35706	0.671143	-0.53202	0.59471
ENSG00000169258.7	37.89190561	0.427948	0.729527	0.586609	0.557466
ENSG00000137965.11	37.90146063	0.697118	0.669207	1.041706	0.297548
ENSG00000274349.4	37.90260819	-0.13415	0.739474	-0.18142	0.85604
ENSG00000267278.6	37.90528819	-0.40438	0.683869	-0.59131	0.554315
ENSG00000076826.10	37.99021572	0.354352	0.737738	0.480322	0.630998
ENSG00000108375.13	38.00251957	-0.77824	0.689662	-1.12843	0.259138
ENSG00000050030.16	38.0116259	0.215953	0.677298	0.318845	0.749844
ENSG00000196208.14	38.02242032	0.897939	0.767436	1.170051	0.24198
ENSG00000188803.15	38.0548848	0.883704	0.684889	1.290289	0.19695
ENSG00000286388.1	38.06262733	0.663756	0.826634	0.802962	0.421997
ENSG00000253669.4	38.06767464	0.291423	0.712714	0.408892	0.682619
ENSG00000235560.4	38.06888998	0.69774	0.683164	1.021336	0.307095
ENSG00000138795.10	38.08772008	-0.36452	0.734947	-0.49598	0.619908
ENSG00000112139.16	38.096739	1.313939	0.808874	1.624405	0.104289
ENSG00000253716.6	38.10609544	1.830325	0.745532	2.455059	0.014086
ENSG00000120327.6	38.11806053	0.961301	0.760418	1.264174	0.206168
ENSG00000227388.3	38.13521702	0.756939	0.754867	1.002744	0.315984
ENSG00000171551.12	38.14786927	0.284349	0.720351	0.394737	0.693037
ENSG00000177732.8	38.1568075	0.87927	0.682928	1.2875	0.19792
ENSG00000116852.14	38.17472736	0.558106	0.738953	0.755267	0.450089
ENSG00000166821.9	38.18037767	-0.64086	0.715788	-0.89531	0.370619
ENSG00000090565.17	38.18591013	0.514141	0.678509	0.757751	0.4486
ENSG00000064270.13	38.18925355	0.087045	0.703752	0.123687	0.901563
ENSG00000115252.18	38.21360838	1.630753	0.740282	2.202881	0.027603
ENSG00000105613.10	38.2177838	-0.20563	0.736937	-0.27903	0.78022
ENSG00000186185.14	38.24822268	2.012946	0.818044	2.460684	0.013867
ENSG00000279092.1	38.25733935	0.1124	0.67192	0.167282	0.867148
ENSG00000108702.4	38.26701659	0.369891	3.951622	0.093605	0.925423
ENSG00000203930.12	38.32541675	1.040947	0.688071	1.512849	0.130318
ENSG00000229111.1	38.32687591	-0.26815	0.691409	-0.38783	0.698144
ENSG00000255867.1	38.35007544	-0.27444	0.687347	-0.39928	0.68969
ENSG00000214189.9	38.36353297	0.050545	1.013597	0.049867	0.960228
ENSG00000286786.1	38.39660127	0.012071	0.662846	0.018211	0.98547
ENSG00000226200.7	38.41902388	0.978048	0.731401	1.337226	0.181149
ENSG00000128165.9	38.42280018	0.414315	0.680271	0.609044	0.542495
ENSG00000285723.1	38.42945713	1.20916	0.948233	1.275171	0.202249
ENSG00000171097.14	38.44894307	0.43467	0.723843	0.600503	0.548171
ENSG00000173406.15	38.45468847	0.382568	0.725649	0.527208	0.598049
ENSG00000080603.17	38.45689719	-0.25672	0.734954	-0.34931	0.72686

ENSG00000174586.11	38.46283113	0.110142	0.674714	0.163243	0.870327
ENSG00000258908.1	38.48240152	0.168951	0.675919	0.249958	0.80262
ENSG00000160191.18	38.48355671	-0.18636	0.66451	-0.28045	0.779129
ENSG00000106125.14	38.50359649	0.03742	0.66921	0.055917	0.955408
ENSG00000198133.8	38.52780962	0.051829	0.744863	0.069582	0.944526
ENSG00000075035.10	38.54784582	-0.72402	0.743525	-0.97377	0.330171
ENSG00000165716.11	38.55026608	0.654287	0.669541	0.977218	0.328461
ENSG00000166432.15	38.56813383	-0.03084	0.676529	-0.04559	0.963635
ENSG00000221866.9	38.58130578	1.732062	0.957365	1.809197	0.07042
ENSG00000204072.3	38.59817466	2.765141	0.904344	3.057623	0.002231
ENSG00000224152.1	38.61203362	-0.18198	0.743667	-0.24471	0.806681
ENSG00000088280.19	38.64784336	-0.12791	0.679137	-0.18833	0.850614
ENSG00000176401.6	38.64802245	0.175827	0.669621	0.262577	0.792877
ENSG00000187796.15	38.64809106	0.641953	0.759687	0.845023	0.398098
ENSG00000111981.5	38.65977806	-0.39655	0.735609	-0.53908	0.589832
ENSG00000152580.8	38.6613029	0.35065	0.703846	0.498192	0.618349
ENSG00000166192.15	38.66730043	-0.1822	0.68415	-0.26632	0.789991
ENSG00000286001.1	38.67486851	0.193925	0.662817	0.292577	0.769845
ENSG00000095587.9	38.67632703	-0.55602	0.68148	-0.81591	0.414553
ENSG00000170390.16	38.68751933	-0.20424	0.669113	-0.30524	0.760183
ENSG00000140326.13	38.69289767	0.693783	0.71049	0.976484	0.328825
ENSG00000056277.16	38.69787616	-0.72243	0.705316	-1.02426	0.305713
ENSG00000205181.7	38.70417518	-0.56521	0.740006	-0.76379	0.44499
ENSG00000179627.10	38.71318069	0.255866	0.663465	0.385651	0.699755
ENSG00000272933.1	38.71433965	0.772198	0.732577	1.054083	0.291845
ENSG00000130584.12	38.7327149	0.141625	0.685659	0.206553	0.836359
ENSG00000198739.11	38.73874953	0.939224	0.784294	1.197541	0.231096
ENSG00000238164.6	38.74126744	-1.20978	0.702455	-1.72222	0.085029
ENSG00000087494.16	38.79259676	-0.79991	0.800938	-0.99871	0.317934
ENSG00000181126.13	38.79897399	0.826272	0.731672	1.129293	0.258774
ENSG00000173894.11	38.82344063	0.314038	0.708702	0.443117	0.657681
ENSG00000183665.5	38.82624712	0.859559	0.683444	1.257687	0.208505
ENSG00000135439.11	38.82724924	0.860308	0.691591	1.243955	0.213516
ENSG00000197776.8	38.8446081	-1.15713	0.760304	-1.52192	0.128028
ENSG00000177738.4	38.86390667	1.07568	0.822976	1.307062	0.191192
ENSG00000233750.3	38.86704225	2.045848	0.807457	2.533692	0.011287
ENSG00000073605.18	38.88883444	0.527604	0.697431	0.756497	0.449351
ENSG00000155816.20	38.91368637	-0.25984	0.684141	-0.3798	0.704095
ENSG00000177272.9	38.93922645	0.821227	0.841132	0.976335	0.328898
ENSG00000123179.14	38.94617431	1.096428	0.690074	1.588855	0.112093
ENSG00000257386.1	38.94886294	0.617055	0.711903	0.866769	0.386069
ENSG00000258405.11	38.95031646	0.363049	0.712126	0.50981	0.610185
ENSG00000068383.19	38.96100472	0.675805	0.712957	0.94789	0.343185
ENSG00000141384.13	38.97989389	-0.11424	0.66621	-0.17148	0.863845
ENSG00000241360.2	38.98664119	1.214532	0.719205	1.688716	0.091274
ENSG00000101825.8	38.98981035	0.087894	0.688471	0.127665	0.898414
ENSG00000285793.1	38.99016587	1.995442	1.025815	1.945225	0.051748
ENSG00000234899.11	38.99260199	0.558432	0.822285	0.679122	0.497061
ENSG00000278206.1	38.9945647	-0.66701	0.677124	-0.98506	0.324595
ENSG00000236263.1	38.9966663	-0.07995	0.70602	-0.11324	0.90984
ENSG00000198680.4	38.99888181	1.04613	0.662778	1.578402	0.114473
ENSG00000280927.1	39.01733545	0.217811	0.663621	0.328216	0.742748

ENSG00000151917.18	39.01907926	-0.76779	0.704494	-1.08985	0.275779
ENSG00000283154.2	39.02537013	-0.449	0.819154	-0.54813	0.583605
ENSG00000121903.14	39.02556295	-0.04948	0.70519	-0.07017	0.94406
ENSG00000161692.18	39.02860464	0.719674	0.712713	1.009767	0.312607
ENSG00000127084.19	39.03355655	0.061877	0.729708	0.084797	0.932423
ENSG00000169105.8	39.05221696	1.027593	0.702327	1.463126	0.143433
ENSG00000246263.3	39.05543367	0.257349	0.680885	0.377963	0.705458
ENSG00000159640.16	39.08757395	0.457689	0.684304	0.66884	0.503598
ENSG00000184378.3	39.09533819	-0.11976	0.664527	-0.18021	0.856986
ENSG00000257550.2	39.10186199	-1.29564	0.773748	-1.6745	0.094032
ENSG00000258484.4	39.10515227	-0.4354	0.805021	-0.54086	0.588606
ENSG00000091513.16	39.11044182	-0.05203	0.704958	-0.0738	0.941167
ENSG00000233608.4	39.11714063	1.051269	0.808805	1.299781	0.193676
ENSG00000281398.4	39.12051533	1.506759	0.685092	2.199352	0.027853
ENSG00000144199.12	39.13609556	-0.28184	0.676109	-0.41686	0.676782
ENSG00000256229.8	39.14340104	0.435717	0.827791	0.526362	0.598637
ENSG00000187045.19	39.14381587	-0.13259	0.686447	-0.19315	0.846841
ENSG00000166839.17	39.14470214	-0.08788	0.697871	-0.12592	0.899795
ENSG00000276600.5	39.19387057	0.133376	0.702994	0.189726	0.849524
ENSG00000196260.5	39.20083848	1.030879	0.956862	1.077354	0.281322
ENSG00000155858.6	39.20346128	0.655944	0.676095	0.970196	0.331949
ENSG00000129244.9	39.21412223	0.002977	0.687116	0.004333	0.996543
ENSG00000213937.4	39.21726485	-1.23137	0.785766	-1.5671	0.117091
ENSG00000130224.15	39.21881098	-0.00716	0.674127	-0.01061	0.991532
ENSG00000147119.4	39.28804518	0.651277	0.663978	0.980871	0.326656
ENSG00000257122.5	39.30292168	0.571886	0.736791	0.776184	0.43764
ENSG00000285533.2	39.3040768	-0.46284	0.668829	-0.69202	0.488927
ENSG00000167614.14	39.32462475	1.614014	0.800749	2.015629	0.043839
ENSG00000108947.5	39.32996483	0.40577	0.669977	0.605647	0.544749
ENSG00000171798.18	39.35062227	-0.11207	0.690323	-0.16235	0.871029
ENSG00000104415.14	39.35236738	-0.04736	0.757291	-0.06254	0.950136
ENSG00000135220.11	39.35830198	0.240535	0.717939	0.335036	0.737598
ENSG00000237767.2	39.37274222	1.19618	0.738933	1.618794	0.105492
ENSG00000145882.11	39.37456486	0.017757	0.702339	0.025282	0.97983
ENSG00000074276.10	39.38262751	0.108243	0.674591	0.160457	0.872521
ENSG00000249898.8	39.39616073	0.386821	0.702302	0.550791	0.581777
ENSG00000246089.3	39.40048264	0.062605	0.674237	0.092853	0.92602
ENSG00000161149.12	39.4174239	-0.58878	0.668354	-0.88094	0.37835
ENSG00000214447.4	39.43039914	-0.29872	0.713894	-0.41844	0.675625
ENSG00000167554.15	39.43783346	-0.80596	0.659209	-1.22261	0.221475
ENSG00000197054.12	39.44528443	0.056818	0.890334	0.063817	0.949116
ENSG00000254614.2	39.45382127	0.29079	0.857429	0.339142	0.734503
ENSG00000122966.16	39.47024168	2.272961	0.879619	2.58403	0.009765
ENSG00000220785.7	39.47724631	-1.0588	0.683215	-1.54973	0.121206
ENSG00000214455.4	39.49065596	-0.31811	0.697088	-0.45635	0.648141
ENSG00000105664.11	39.49194846	0.479839	0.667164	0.719222	0.472004
ENSG00000256806.6	39.50428214	-0.20977	0.663623	-0.31609	0.751931
ENSG00000253846.2	39.50748151	0.349597	0.730765	0.478399	0.632366
ENSG00000156959.9	39.51725241	0.899458	0.683943	1.315107	0.188474
ENSG00000258197.1	39.52668135	0.020958	0.908611	0.023066	0.981598
ENSG00000235903.9	39.52947628	-0.03719	0.656554	-0.05664	0.954834
ENSG00000140488.16	39.54213539	-0.75144	0.692415	-1.08525	0.277813

ENSG00000008056.14	39.54324745	-0.66277	0.705775	-0.93906	0.347698
ENSG00000145777.15	39.5505353	0.616692	0.846043	0.728914	0.466054
ENSG00000132854.19	39.55940104	1.039361	0.711666	1.460463	0.144163
ENSG00000270055.1	39.56145706	-0.58764	0.660825	-0.88926	0.373865
ENSG00000183150.8	39.60392018	0.107707	0.765291	0.14074	0.888076
ENSG00000149972.11	39.62849373	0.892466	0.662591	1.346934	0.178001
ENSG00000143554.14	39.63119544	0.608308	0.66165	0.919381	0.357896
ENSG00000254837.2	39.64546094	-0.32215	0.707917	-0.45507	0.649058
ENSG00000254416.6	39.66991882	-0.25027	0.94179	-0.26574	0.790439
ENSG00000237037.9	39.68826017	-0.02151	0.729554	-0.02948	0.97648
ENSG00000049769.14	39.69733541	0.860929	0.674035	1.277277	0.201504
ENSG00000070731.11	39.70267778	-1.5009	0.795509	-1.88671	0.059199
ENSG00000171174.15	39.70659022	0.117657	0.662761	0.177525	0.859096
ENSG00000075702.18	39.71508436	1.347656	0.728736	1.849307	0.064414
ENSG00000257167.2	39.72124092	0.465378	0.660814	0.70425	0.481277
ENSG00000279569.1	39.72395652	0.452803	0.709256	0.63842	0.523201
ENSG00000267041.6	39.73093678	0.524222	0.776126	0.675433	0.499401
ENSG00000185614.7	39.732931	-0.6092	0.687481	-0.88613	0.375547
ENSG00000154079.6	39.7463909	0.240818	0.660106	0.364817	0.715248
ENSG00000267105.1	39.74711996	0.003671	0.656218	0.005595	0.995536
ENSG00000128052.10	39.75774054	0.933576	0.728401	1.281679	0.199955
ENSG00000124493.14	39.75948336	0.855654	0.723554	1.182571	0.236979
ENSG00000115138.11	39.77388767	0.04462	0.671618	0.066437	0.94703
ENSG00000236778.8	39.79705676	0.510842	0.662521	0.771059	0.440672
ENSG00000259495.3	39.87184804	1.161239	0.71961	1.613706	0.106591
ENSG00000267128.2	39.88154312	0.246297	0.67654	0.364054	0.715818
ENSG00000196511.14	39.92765773	0.497171	0.676655	0.734747	0.462493
ENSG00000114737.16	39.95090891	0.012496	0.684074	0.018267	0.985426
ENSG00000269242.1	39.98300281	6.379264	2.640774	2.415679	0.015706
ENSG00000113532.13	39.98996814	0.198074	0.674595	0.293618	0.769049
ENSG00000258102.5	40.00774278	0.260047	0.774954	0.335565	0.737199
ENSG00000275185.1	40.0112509	-0.23183	0.698072	-0.33211	0.73981
ENSG00000278834.1	40.02146171	0.194188	0.67793	0.286442	0.774539
ENSG00000245156.1	40.03185872	0.091457	0.709129	0.12897	0.897381
ENSG00000088002.12	40.04207045	0.17341	0.961782	0.180301	0.856916
ENSG00000181035.14	40.04813519	0.758599	0.711797	1.065751	0.286536
ENSG00000233117.4	40.08179423	1.540687	0.777047	1.982745	0.047396
ENSG00000163072.16	40.09352777	-0.31688	0.715368	-0.44296	0.657796
ENSG00000066405.13	40.12004944	-0.28234	0.712248	-0.39641	0.6918
ENSG00000174808.12	40.12669986	-0.89426	0.72183	-1.23888	0.21539
ENSG00000232653.8	40.14858956	0.789461	0.790973	0.998089	0.318236
ENSG00000182389.19	40.15884714	1.30988	0.742103	1.765093	0.077548
ENSG00000173546.7	40.16339662	1.471634	0.697867	2.108759	0.034965
ENSG00000248383.5	40.16832198	0.399638	0.731731	0.546154	0.58496
ENSG00000236682.2	40.17061355	0.630992	0.698621	0.903197	0.366421
ENSG00000266714.9	40.18381496	-0.72202	0.790897	-0.91291	0.361288
ENSG00000099725.14	40.18633231	0.472252	0.676748	0.697826	0.485286
ENSG00000231672.8	40.19265261	1.237288	0.698133	1.772282	0.076348
ENSG00000155760.2	40.19864479	0.765317	0.664508	1.151705	0.249442
ENSG00000168661.15	40.19938357	0.14651	0.68383	0.21425	0.830352
ENSG00000248334.6	40.20421243	0.147752	0.683984	0.216016	0.828975
ENSG00000182916.8	40.21167258	-0.70427	0.778219	-0.90498	0.365476

ENSG00000287562.1	40.23546995	-0.22973	0.655372	-0.35054	0.725933
ENSG00000158106.14	40.24678266	0.415165	0.666942	0.62249	0.53362
ENSG00000257704.4	40.29819725	0.402619	0.671627	0.599468	0.548861
ENSG00000178814.17	40.30707365	0.400073	0.673057	0.594411	0.552237
ENSG00000140379.8	40.32655684	0.060044	0.671336	0.089439	0.928733
ENSG00000261377.5	40.32827226	0.375994	0.676761	0.555578	0.578499
ENSG00000279561.2	40.35308331	1.193452	0.781883	1.526382	0.126915
ENSG00000158467.16	40.39529488	-0.05896	0.780154	-0.07558	0.939753
ENSG00000157502.13	40.42807957	0.082917	0.69311	0.119631	0.904776
ENSG00000179348.12	40.43368593	1.267256	0.820418	1.544647	0.122432
ENSG00000204323.5	40.43415187	0.162988	0.745988	0.218486	0.827051
ENSG00000261488.1	40.44840562	0.113799	0.659974	0.17243	0.8631
ENSG00000188878.19	40.4508692	0.522206	0.703783	0.741998	0.458088
ENSG00000266340.1	40.47619082	2.518334	0.795594	3.165353	0.001549
ENSG00000284602.1	40.5134179	-0.0653	0.653376	-0.09994	0.92039
ENSG00000163909.8	40.5166303	0.432032	0.698776	0.61827	0.536397
ENSG00000099840.14	40.52183753	-0.35016	0.685685	-0.51067	0.609583
ENSG00000198496.12	40.53677509	-0.01467	0.682806	-0.02148	0.982859
ENSG00000126464.14	40.53703651	0.805791	0.655068	1.230088	0.218664
ENSG00000132825.7	40.55622022	0.171873	0.65511	0.262357	0.793046
ENSG00000181588.16	40.56709377	1.210737	0.6726	1.800084	0.071847
ENSG00000235927.4	40.58432814	0.282984	0.649725	0.435544	0.663167
ENSG00000231955.1	40.59426088	0.716688	0.666021	1.076073	0.281895
ENSG00000258634.3	40.59575833	-0.38653	0.660119	-0.58554	0.558183
ENSG00000163673.7	40.60323053	0.490586	0.699737	0.7011	0.483241
ENSG00000133019.12	40.62315677	0.341629	0.69202	0.493669	0.62154
ENSG00000269293.3	40.62331971	0.239029	0.652104	0.366551	0.713954
ENSG00000184271.17	40.62576032	-0.26514	0.647889	-0.40923	0.682369
ENSG00000228223.3	40.63696167	0.668341	0.685025	0.975645	0.32924
ENSG00000216895.9	40.63772884	0.888132	0.700468	1.267912	0.204829
ENSG00000153531.13	40.64838348	-0.66423	0.657375	-1.01043	0.312289
ENSG00000228412.9	40.64967445	0.39119	0.653083	0.59899	0.549179
ENSG00000260077.1	40.65931233	0.302206	0.666725	0.453269	0.650355
ENSG00000164418.20	40.68932453	-0.11597	0.698865	-0.16593	0.868209
ENSG00000178301.4	40.70429571	-0.48938	0.671833	-0.72843	0.46635
ENSG00000088926.14	40.7119354	-0.09069	0.696701	-0.13017	0.896432
ENSG00000162989.5	40.74459763	0.40053	0.666639	0.600819	0.54796
ENSG00000285677.2	40.76048313	-0.48439	0.661773	-0.73195	0.464197
ENSG00000204624.8	40.76528461	0.382635	0.71012	0.538832	0.590003
ENSG00000225420.1	40.77496532	-0.38744	0.667744	-0.58023	0.561763
ENSG00000136367.14	40.79537692	0.91271	0.789457	1.156124	0.247631
ENSG00000257225.1	40.80270431	0.255372	0.665532	0.383711	0.701192
ENSG00000272677.1	40.85371641	0.719035	0.734084	0.9795	0.327333
ENSG00000273010.1	40.86405038	0.406695	0.705589	0.57639	0.564351
ENSG00000170271.11	40.8701462	-0.41064	0.64555	-0.63611	0.524702
ENSG00000245385.2	40.89298194	0.121418	0.847072	0.143339	0.886023
ENSG00000197283.17	40.90597952	1.217049	0.679772	1.790378	0.073393
ENSG00000204177.10	40.9208351	-0.33267	0.711492	-0.46757	0.640096
ENSG00000251192.7	40.9337084	-0.49303	0.710727	-0.6937	0.487871
ENSG00000170075.9	40.93430749	0.745641	0.672205	1.109246	0.267324
ENSG00000258441.1	40.95171666	0.501105	0.645683	0.776086	0.437698
ENSG00000204969.7	40.9865359	0.817525	0.684594	1.194175	0.23241

ENSG00000119699.8	40.9926774	0.701725	0.681666	1.029427	0.303279
ENSG00000230021.10	41.00367066	-0.31661	0.66735	-0.47443	0.635197
ENSG00000127720.8	41.01081855	-0.84873	0.659761	-1.28642	0.198298
ENSG00000185761.11	41.01226274	-0.91157	0.658496	-1.38432	0.166259
ENSG00000277978.1	41.08533222	0.413592	0.65667	0.629833	0.528804
ENSG00000112293.15	41.08935478	0.150667	0.653693	0.230486	0.817714
ENSG00000105639.20	41.09722217	1.243775	0.77571	1.603403	0.108846
ENSG00000222009.8	41.10874241	0.395585	0.650503	0.608123	0.543106
ENSG00000224831.3	41.11374506	-2.40001	0.862897	-2.78135	0.005413
ENSG00000267508.6	41.12941758	-0.13887	0.746233	-0.1861	0.852366
ENSG00000250251.6	41.15648103	0.766793	0.692216	1.107737	0.267975
ENSG00000175536.7	41.19277742	-1.17924	0.711695	-1.65695	0.09753
ENSG00000230006.7	41.19475045	0.462086	0.691322	0.668409	0.503873
ENSG00000164061.5	41.19480067	0.524151	0.68064	0.770086	0.441249
ENSG00000262633.2	41.21441792	-2.89242	0.847302	-3.41368	0.000641
ENSG00000146197.9	41.22205703	0.493836	0.685964	0.719914	0.471578
ENSG00000250461.1	41.2247853	0.54301	0.689556	0.787478	0.431002
ENSG00000175691.9	41.26778394	0.151131	0.661405	0.2285	0.819257
ENSG00000146215.14	41.29443113	1.058767	0.878839	1.204734	0.228306
ENSG00000079112.10	41.29732872	-0.94546	0.673941	-1.40288	0.160654
ENSG00000108187.16	41.30861019	-0.15509	0.64862	-0.2391	0.811026
ENSG00000243660.11	41.35856882	0.438321	0.677076	0.647373	0.517391
ENSG00000149531.15	41.37092403	-0.18888	0.667485	-0.28298	0.777195
ENSG00000269834.6	41.3855285	1.121552	0.681944	1.64464	0.100044
ENSG00000168621.15	41.40719237	-0.1041	0.761375	-0.13673	0.891248
ENSG00000145908.12	41.41833045	-0.82246	0.689062	-1.1936	0.232636
ENSG00000223546.7	41.42289169	-0.6517	0.682488	-0.95488	0.339636
ENSG00000182511.12	41.42454488	0.008837	0.723219	0.012219	0.990251
ENSG00000185361.9	41.43377204	1.358726	0.676262	2.009172	0.044519
ENSG00000232160.7	41.43760943	-0.47468	0.678769	-0.69933	0.484348
ENSG00000196724.13	41.44863776	-0.05385	0.75334	-0.07148	0.943013
ENSG00000179886.6	41.45327005	0.721818	0.666384	1.083187	0.278725
ENSG00000175264.8	41.47027359	1.481347	0.857273	1.727975	0.083993
ENSG00000072818.12	41.49106823	1.672983	0.691846	2.418144	0.0156
ENSG00000228302.2	41.51341896	-0.19003	0.64346	-0.29533	0.76774
ENSG00000122877.16	41.52969328	-0.66337	0.705661	-0.94007	0.347182
ENSG00000262919.8	41.56273227	0.843267	0.659375	1.278889	0.200936
ENSG00000130035.9	41.57635587	0.473062	0.682819	0.692807	0.488431
ENSG00000206120.11	41.5845535	-0.15646	0.654478	-0.23906	0.811062
ENSG00000181894.15	41.58553351	0.181476	0.70354	0.257948	0.796447
ENSG00000261371.6	41.62870491	0.638996	0.774077	0.825493	0.409091
ENSG00000152582.14	41.69551708	0.166504	0.653692	0.254714	0.798944
ENSG00000186767.7	41.71192688	-0.19586	0.682753	-0.28686	0.774216
ENSG00000245573.9	41.73155674	-0.10821	0.65048	-0.16636	0.867874
ENSG00000101680.15	41.73238417	0.148424	0.673145	0.220493	0.825487
ENSG00000275163.1	41.73992358	-2.76935	0.920494	-3.00855	0.002625
ENSG00000180385.8	41.74342319	3.467059	0.780795	4.440424	8.98E-06
ENSG00000204685.7	41.75250914	-0.73062	0.741381	-0.98549	0.324383
ENSG00000261971.8	41.76080431	0.34881	0.725853	0.480552	0.630835
ENSG00000115604.10	41.80065223	0.174591	0.659498	0.264734	0.791214
ENSG00000142694.6	41.80264651	1.918928	0.724507	2.648599	0.008083
ENSG00000141570.11	41.83222613	0.304265	0.658841	0.461819	0.644211

ENSG00000231528.3	41.84103973	0.767846	0.792577	0.968797	0.332647
ENSG00000120647.10	41.84421623	-0.56185	0.66267	-0.84786	0.396513
ENSG00000174871.11	41.84925695	0.476271	0.656707	0.725241	0.468304
ENSG00000140993.11	41.86745841	0.26787	0.646627	0.414258	0.678685
ENSG00000279196.1	41.8960709	-0.74984	0.721539	-1.03923	0.298699
ENSG00000268309.1	41.90826405	0.241502	0.672026	0.359364	0.719323
ENSG00000250910.8	41.90980661	-0.5736	0.665152	-0.86235	0.388493
ENSG00000109906.14	41.939169	-0.92916	0.836211	-1.11116	0.2665
ENSG00000168517.10	41.97681854	-0.47706	0.674009	-0.7078	0.479071
ENSG00000115956.10	41.99706618	3.222737	2.163399	1.489664	0.136313
ENSG00000196812.5	42.01360978	-0.56516	0.692155	-0.81653	0.414198
ENSG00000132965.9	42.0141478	-0.80668	0.66742	-1.20865	0.226798
ENSG00000138111.14	42.02350939	0.253743	0.665583	0.381234	0.70303
ENSG00000180855.16	42.03125412	-0.63669	0.669413	-0.95112	0.341544
ENSG00000255073.8	42.0367133	5.089549	3.871367	1.314665	0.188623
ENSG00000283886.3	42.05584484	-2.64122	0.990775	-2.66581	0.00768
ENSG00000141569.12	42.06038821	0.091415	0.702379	0.130151	0.896447
ENSG00000267809.1	42.06787349	-0.16651	0.671686	-0.2479	0.804214
ENSG00000147481.17	42.07399933	1.08189	0.726381	1.489424	0.136376
ENSG00000279529.1	42.09792421	0.612401	0.662557	0.9243	0.35533
ENSG00000233559.2	42.14986939	-0.38099	0.650305	-0.58587	0.557966
ENSG00000176714.9	42.21218101	-0.88995	0.782754	-1.13695	0.255558
ENSG00000261188.1	42.22486812	-0.15087	0.657336	-0.22952	0.818462
ENSG00000101850.13	42.23431876	-0.96342	0.666523	-1.44545	0.148332
ENSG00000178440.7	42.2352106	0.707833	2.255976	0.313759	0.753704
ENSG00000189136.9	42.23578145	0.719543	0.662474	1.086144	0.277415
ENSG00000157111.13	42.24134567	-0.66124	0.672564	-0.98316	0.325527
ENSG00000204531.19	42.24296677	-0.25983	0.697716	-0.37241	0.709589
ENSG00000196659.10	42.24803112	-0.40921	0.650899	-0.62868	0.529558
ENSG00000287811.1	42.26533457	-0.98613	0.672639	-1.46606	0.142631
ENSG00000121406.9	42.27155205	-0.21175	0.701862	-0.30169	0.762885
ENSG00000112619.8	42.28668165	-0.33065	0.645311	-0.51239	0.608378
ENSG00000134864.10	42.28860203	-0.07249	0.675015	-0.10738	0.914485
ENSG00000145287.11	42.29842983	-0.75528	0.709869	-1.06397	0.287341
ENSG00000277801.1	42.31660278	-0.11604	0.681849	-0.17019	0.864861
ENSG00000142606.16	42.34342476	0.173847	0.688527	0.252491	0.800662
ENSG00000105419.18	42.36235915	0.895673	0.658211	1.360769	0.173587
ENSG00000095585.17	42.37402188	-0.86398	0.72536	-1.19111	0.233611
ENSG00000143867.7	42.37818865	0.864708	0.702775	1.230419	0.21854
ENSG00000233825.1	42.3806578	-0.51889	0.639582	-0.8113	0.417195
ENSG00000266074.9	42.38616613	2.606018	0.764109	3.410534	0.000648
ENSG00000228144.2	42.39341006	1.75503	2.738577	0.640855	0.521617
ENSG00000247199.5	42.39988115	0.263028	0.750082	0.350666	0.725839
ENSG00000233593.10	42.44869856	0.305452	0.646767	0.472275	0.63673
ENSG00000249532.5	42.54351437	0.040077	0.65875	0.060838	0.951488
ENSG00000140876.11	42.5475665	-0.15838	0.706845	-0.22407	0.822702
ENSG00000236723.2	42.55063534	-0.2203	0.662078	-0.33275	0.739326
ENSG00000142632.17	42.55245535	0.479843	0.684691	0.700817	0.483417
ENSG00000170417.16	42.56116332	-0.17951	0.662865	-0.2708	0.786542
ENSG00000228451.4	42.56515997	-0.12832	0.707297	-0.18142	0.856038
ENSG00000197299.12	42.5826438	0.700425	0.724079	0.967332	0.333378
ENSG00000271122.1	42.58426012	0.238968	0.670339	0.356488	0.721475

ENSG00000271976.1	42.59146078	0.781765	0.688326	1.135749	0.256061
ENSG00000161996.19	42.60077747	1.250167	0.656269	1.904961	0.056785
ENSG00000168612.4	42.61789383	0.289747	0.647049	0.447798	0.654299
ENSG00000171208.10	42.63176909	0.552408	0.715126	0.772463	0.43984
ENSG00000153291.16	42.63631758	0.313873	0.662886	0.473495	0.63586
ENSG00000278974.1	42.64172484	0.713148	0.646979	1.102274	0.270343
ENSG00000253203.6	42.64876432	0.374941	0.684113	0.548068	0.583645
ENSG00000058453.17	42.65760923	-0.05418	0.766955	-0.07065	0.943677
ENSG00000274177.1	42.65801571	0.883126	0.651771	1.354964	0.175429
ENSG00000105982.16	42.67520425	-0.16659	0.640218	-0.26021	0.794703
ENSG00000143772.9	42.67716919	0.32216	0.652475	0.493751	0.621482
ENSG00000235109.7	42.67749858	-0.72157	0.674813	-1.06929	0.284938
ENSG00000130600.19	42.68942149	1.601436	0.793431	2.018368	0.043553
ENSG00000123892.12	42.6906043	-0.17228	0.662261	-0.26014	0.794758
ENSG00000173083.15	42.69129225	-0.91345	0.683938	-1.33557	0.18169
ENSG00000138346.15	42.7180369	1.262128	0.671392	1.879868	0.060126
ENSG00000254402.7	42.72049325	0.561616	0.696652	0.806164	0.420148
ENSG00000268858.2	42.78385916	0.388311	0.641655	0.605171	0.545065
ENSG00000114757.19	42.81964227	-0.52338	0.66386	-0.78839	0.43047
ENSG00000277149.5	42.84700207	-0.37051	0.742222	-0.49919	0.617643
ENSG00000250305.9	42.84878566	0.266127	0.63353	0.42007	0.674434
ENSG00000171017.11	42.85489423	0.362906	0.642711	0.56465	0.572312
ENSG00000136869.16	42.88630088	0.124368	0.649877	0.191371	0.848235
ENSG00000165238.16	42.89479326	0.650091	0.649227	1.00133	0.316667
ENSG00000229809.8	42.90041553	-0.14816	0.644886	-0.22975	0.818284
ENSG00000109771.15	42.90501348	-0.29013	0.666045	-0.4356	0.663128
ENSG00000113494.17	42.91053035	-0.1936	0.641434	-0.30183	0.762783
ENSG00000169129.15	42.9152186	-0.72779	0.701211	-1.0379	0.299315
ENSG00000240429.1	42.92725214	0.478863	0.634837	0.754308	0.450665
ENSG00000204315.4	42.94657982	0.055121	0.634817	0.08683	0.930806
ENSG00000151778.11	42.95568303	0.137202	0.648044	0.211717	0.832328
ENSG00000214248.2	42.97148063	0.417748	0.659486	0.633444	0.526444
ENSG00000137070.18	42.99114916	-0.10024	0.645459	-0.15529	0.876589
ENSG00000165821.12	42.99982388	0.437827	0.652699	0.670795	0.502351
ENSG00000151702.17	43.00788664	0.525247	0.702612	0.747564	0.454723
ENSG00000198113.3	43.02387562	0.575505	0.64748	0.888838	0.37409
ENSG00000189367.15	43.08748989	-0.17523	0.79513	-0.22038	0.825573
ENSG00000198237.8	43.10640098	-0.66801	0.713331	-0.93647	0.349031
ENSG00000272182.1	43.12019506	-0.27521	0.662303	-0.41554	0.677749
ENSG00000250387.3	43.12176702	1.014291	0.695431	1.458506	0.144701
ENSG00000167157.11	43.12779202	0.129472	0.722894	0.179103	0.857857
ENSG00000154188.10	43.13405061	1.255887	0.760104	1.652256	0.098482
ENSG00000127329.15	43.1340988	0.816624	0.761435	1.072481	0.283504
ENSG00000151023.17	43.13694113	-0.42584	0.670751	-0.63488	0.525509
ENSG00000074317.11	43.15899611	-1.12381	0.73557	-1.52781	0.126559
ENSG00000146267.12	43.17574127	-1.04155	0.635588	-1.63872	0.101271
ENSG00000288012.1	43.19973003	-0.46693	0.662968	-0.7043	0.481245
ENSG00000174007.8	43.21131538	-0.41702	0.688275	-0.6059	0.544582
ENSG00000177045.10	43.21808222	0.017251	0.650658	0.026513	0.978848
ENSG00000005189.19	43.2423851	0.259442	0.642306	0.403923	0.686269
ENSG00000244067.3	43.25220949	0.838204	0.788492	1.063047	0.287761
ENSG00000280832.1	43.27394778	0.345651	0.65232	0.52988	0.596195

ENSG00000204540.11	43.30817708	-0.39098	0.847535	-0.46131	0.644574
ENSG00000253626.3	43.31333897	0.141586	0.634326	0.223207	0.823375
ENSG00000187398.12	43.32948556	-0.08511	0.671601	-0.12672	0.89916
ENSG00000243056.2	43.33025161	-0.42413	0.728548	-0.58216	0.560457
ENSG00000232533.1	43.34257774	0.562206	0.718931	0.782003	0.434213
ENSG00000187627.16	43.35796316	2.28011	0.881943	2.585327	0.009729
ENSG00000173040.13	43.37052954	0.810227	0.706752	1.146408	0.251626
ENSG00000272822.2	43.37585677	-0.54705	0.81061	-0.67487	0.499761
ENSG00000250264.1	43.38030484	-1.02609	0.685986	-1.49578	0.13471
ENSG00000259884.1	43.38057427	0.969001	0.708863	1.366979	0.171632
ENSG00000219665.8	43.41154724	-0.32749	0.652842	-0.50163	0.615928
ENSG00000172164.15	43.4237573	1.263236	0.64581	1.956048	0.05046
ENSG00000103241.7	43.44818874	0.56736	0.676468	0.838709	0.401633
ENSG00000144893.12	43.45156835	0.465504	0.650934	0.715133	0.474527
ENSG00000155846.17	43.45439579	0.46962	0.689439	0.681163	0.495769
ENSG00000147180.17	43.46237725	-0.06788	0.636076	-0.10672	0.915015
ENSG00000136982.6	43.47162476	-0.36653	0.690092	-0.53113	0.595327
ENSG00000187186.15	43.49450932	0.076539	0.63715	0.120127	0.904383
ENSG00000189298.14	43.50739076	-0.90881	0.646051	-1.40672	0.15951
ENSG00000129007.14	43.52616396	-0.23384	0.710169	-0.32927	0.741949
ENSG00000125384.7	43.52817826	-0.33525	0.688516	-0.48692	0.626318
ENSG00000183807.8	43.53098659	0.079367	0.668181	0.118781	0.905449
ENSG00000204644.10	43.5410744	0.499387	0.80033	0.623976	0.532643
ENSG00000280145.3	43.58196188	-0.02382	0.635311	-0.03749	0.970098
ENSG00000234284.7	43.60038366	-0.2305	0.666409	-0.34589	0.729426
ENSG00000283208.2	43.61028241	-0.32359	0.639027	-0.50638	0.612592
ENSG00000120458.13	43.66847295	0.374496	0.668704	0.560032	0.575458
ENSG00000144395.18	43.6760347	0.908662	0.646473	1.405569	0.159852
ENSG00000198944.6	43.68769547	0.607656	0.640901	0.948127	0.343065
ENSG00000153822.13	43.76330081	-0.02661	0.731657	-0.03637	0.970987
ENSG00000162849.16	43.7684502	0.365683	0.70704	0.517202	0.605015
ENSG00000172878.14	43.77408075	-0.11757	0.637838	-0.18433	0.853755
ENSG00000005249.13	43.81530058	0.525549	0.636865	0.825213	0.409251
ENSG00000179008.9	43.81611851	-0.03591	0.63173	-0.05685	0.954664
ENSG00000255150.2	43.84500972	-0.25398	0.633447	-0.40095	0.688457
ENSG00000260005.6	43.8891557	0.022878	0.633256	0.036128	0.971181
ENSG00000108556.10	43.90142466	0.582376	0.657429	0.885838	0.375705
ENSG00000198203.10	43.93976858	-0.49425	0.903373	-0.54712	0.584296
ENSG00000171435.14	43.96382319	0.761129	0.646227	1.177804	0.238875
ENSG00000138180.16	43.96880516	1.537277	0.690911	2.224999	0.026081
ENSG00000156398.13	43.98346688	-0.27376	0.686378	-0.39884	0.690011
ENSG00000152495.11	43.98817579	1.58859	0.79194	2.005948	0.044862
ENSG00000279035.1	43.99050647	-0.10083	0.632315	-0.15946	0.873308
ENSG00000259327.1	43.9920371	-0.16109	0.630983	-0.2553	0.798491
ENSG00000123843.13	43.99930123	-0.08205	0.688321	-0.1192	0.905119
ENSG00000130653.16	44.00536867	0.164546	0.688501	0.238992	0.811112
ENSG00000251569.1	44.01291773	-0.82053	0.726412	-1.12956	0.25866
ENSG00000262429.1	44.02638066	-0.04836	0.653176	-0.07404	0.940976
ENSG00000163364.10	44.0277205	0.092373	0.66766	0.138354	0.889961
ENSG00000164088.18	44.09195577	0.552482	0.635365	0.869551	0.384546
ENSG00000099937.11	44.10070733	0.222037	0.738015	0.300857	0.763523
ENSG00000204410.16	44.10385489	0.551914	0.627184	0.879987	0.378866

ENSG00000256294.8	44.13301319	-0.13528	0.667159	-0.20277	0.839316
ENSG00000230615.7	44.14667717	1.092196	0.750098	1.456072	0.145373
ENSG00000114859.16	44.14792261	-0.2282	0.658711	-0.34643	0.729022
ENSG00000259234.6	44.14888949	-0.28057	0.64901	-0.4323	0.665524
ENSG00000170959.14	44.16985252	0.591657	0.670188	0.882823	0.377332
ENSG00000229619.4	44.17616225	-0.15217	0.645869	-0.2356	0.813744
ENSG00000177875.5	44.19724566	0.200346	0.724564	0.276506	0.78216
ENSG00000253123.4	44.20486583	1.883665	0.744721	2.529357	0.011427
ENSG00000179314.14	44.22028423	0.088191	0.657328	0.134166	0.893271
ENSG00000165905.18	44.2371038	0.845573	0.692578	1.220906	0.222121
ENSG00000173349.6	44.24748863	0.944968	0.658717	1.434559	0.151413
ENSG00000280195.1	44.24797084	-0.17717	0.632398	-0.28016	0.779358
ENSG00000146776.14	44.2541818	0.391511	0.65406	0.598587	0.549449
ENSG00000231609.7	44.27086068	-0.06451	0.670506	-0.09621	0.923356
ENSG00000164053.21	44.27099225	0.481765	0.634956	0.758738	0.448009
ENSG00000188015.10	44.30779538	-0.34921	0.677426	-0.51549	0.606209
ENSG00000206052.11	44.32219824	1.275273	0.662853	1.923916	0.054365
ENSG00000259295.6	44.337536	0.666976	0.720523	0.925682	0.354611
ENSG00000267984.1	44.34724855	0.470569	0.632577	0.743892	0.456942
ENSG00000157578.13	44.36270242	-0.16783	0.69291	-0.24221	0.80862
ENSG00000134363.12	44.37410265	0.047892	0.665882	0.071922	0.942664
ENSG00000101104.13	44.41523362	0.328526	0.690338	0.475891	0.634152
ENSG00000247498.10	44.43652101	-0.09442	0.660262	-0.143	0.886292
ENSG00000165556.10	44.47568764	0.524499	0.666131	0.787381	0.431059
ENSG00000179406.8	44.49361854	0.217271	0.763455	0.284589	0.775959
ENSG00000284292.1	44.49877149	-1.66903	0.834755	-1.99943	0.045562
ENSG00000261553.5	44.50357097	-1.30386	0.632219	-2.06236	0.039174
ENSG00000128000.17	44.50952932	0.506267	0.633808	0.798771	0.424423
ENSG00000272734.1	44.51045411	0.503666	0.721388	0.698191	0.485058
ENSG00000085276.19	44.5198104	0.900732	0.673725	1.336944	0.181241
ENSG00000167107.13	44.5215633	0.720741	0.679048	1.061398	0.288509
ENSG00000158315.11	44.53879203	-0.94262	0.692384	-1.36141	0.173386
ENSG00000146243.14	44.53888583	0.479576	0.625926	0.766186	0.443565
ENSG00000127585.12	44.54061295	0.928562	0.663559	1.399367	0.161703
ENSG00000152454.4	44.54493415	0.109668	0.634981	0.172711	0.862878
ENSG00000260267.1	44.57053749	0.177504	0.643594	0.275802	0.7827
ENSG00000261051.1	44.57058716	-0.89066	0.690415	-1.29004	0.197037
ENSG00000058866.15	44.59278081	-0.90924	0.660614	-1.37636	0.168711
ENSG00000249348.1	44.62251667	-0.29682	0.627487	-0.47303	0.636191
ENSG00000114455.13	44.62328175	0.168396	0.762528	0.220838	0.825218
ENSG00000100027.16	44.63396406	0.648117	0.632421	1.024819	0.305449
ENSG00000186230.7	44.65144403	0.337003	0.632559	0.532761	0.594199
ENSG00000197182.14	44.65487974	1.265355	0.638635	1.981342	0.047553
ENSG00000146049.2	44.65575801	-0.7386	0.701502	-1.05289	0.292392
ENSG00000105649.10	44.66048426	-0.30018	0.64368	-0.46635	0.640962
ENSG00000223891.6	44.66444692	-0.24691	0.67624	-0.36513	0.715017
ENSG00000256802.2	44.66868599	1.150393	0.645677	1.781684	0.074801
ENSG00000150667.8	44.6808043	0.568798	0.673538	0.844493	0.398394
ENSG00000164342.13	44.68170916	-1.18145	0.654333	-1.80558	0.070984
ENSG00000125122.15	44.68538376	-0.23813	0.634103	-0.37554	0.707259
ENSG00000136237.19	44.71214625	0.72126	0.823473	0.875876	0.381098
ENSG00000286192.1	44.7253984	0.104106	0.679754	0.153152	0.878278

ENSG00000160683.5	44.73410675	-0.00313	0.662582	-0.00472	0.99623
ENSG00000276975.3	44.74214926	0.06179	0.65677	0.094082	0.925044
ENSG00000250565.7	44.77046676	-0.05984	0.623122	-0.09603	0.923497
ENSG00000187860.10	44.81702117	-0.26475	0.649484	-0.40763	0.683544
ENSG00000280152.1	44.85642155	0.684188	0.735167	0.930657	0.352031
ENSG00000105711.13	44.8649367	0.419934	0.644516	0.65155	0.514691
ENSG00000138658.15	44.86727864	0.296413	0.633039	0.468238	0.639614
ENSG00000253251.3	44.89371262	-0.31475	0.634827	-0.4958	0.620035
ENSG00000171703.17	44.91111345	0.895589	0.670609	1.335487	0.181717
ENSG00000172006.12	44.93819496	1.575985	0.650297	2.423484	0.015372
ENSG00000165244.7	44.94552597	0.496363	0.654362	0.758545	0.448125
ENSG00000244731.8	44.9553704	1.018372	0.737283	1.38125	0.167202
ENSG00000066032.18	44.9793822	-0.02937	0.687063	-0.04275	0.9659
ENSG00000250312.8	45.03402824	-0.05361	0.6463	-0.08296	0.933887
ENSG00000286808.1	45.04480754	-0.4475	0.693644	-0.64515	0.518832
ENSG00000153976.3	45.13121946	1.167071	0.870727	1.340341	0.180135
ENSG00000072195.15	45.13124776	1.047747	0.676932	1.547787	0.121674
ENSG00000188542.10	45.13600253	0.182259	0.645817	0.282215	0.777779
ENSG00000149548.15	45.13736719	0.435335	0.676687	0.643334	0.520008
ENSG00000174899.12	45.13796707	-0.76791	0.692605	-1.10873	0.267545
ENSG00000167280.17	45.17134945	0.826714	0.682364	1.211544	0.225687
ENSG00000236438.7	45.19691339	0.171533	0.625893	0.274062	0.784037
ENSG00000154678.18	45.21179004	0.39218	0.664696	0.590014	0.555182
ENSG00000196368.5	45.2118376	-0.07116	0.692813	-0.10272	0.918187
ENSG00000186446.12	45.24463626	-0.18677	0.672464	-0.27774	0.781209
ENSG00000260589.1	45.2678341	0.696067	0.682693	1.019591	0.307922
ENSG00000124593.16	45.31737311	-0.46955	0.644468	-0.72858	0.466257
ENSG00000254485.5	45.32100609	-0.0692	0.629743	-0.10989	0.912496
ENSG00000088899.15	45.36464904	0.027577	0.627794	0.043927	0.964963
ENSG00000157429.16	45.39120585	-0.02726	0.653367	-0.04172	0.966719
ENSG00000237017.1	45.39378363	-0.10271	0.653705	-0.15713	0.875146
ENSG00000204442.4	45.39722436	0.651815	0.623295	1.045757	0.295673
ENSG00000089472.16	45.39869798	-0.41931	0.746047	-0.56205	0.574083
ENSG00000121270.15	45.41833025	-0.41682	0.640584	-0.65069	0.515244
ENSG00000170419.10	45.42593689	0.417808	0.700907	0.596096	0.551111
ENSG00000181274.7	45.43664869	0.662002	0.798431	0.829128	0.407032
ENSG00000235831.7	45.44214805	0.460476	0.656464	0.701449	0.483023
ENSG00000142733.17	45.45800584	0.62451	0.639179	0.97705	0.328544
ENSG00000099960.13	45.50441149	0.026042	0.669599	0.038891	0.968977
ENSG00000128578.10	45.52976627	-0.40595	0.657508	-0.61741	0.536964
ENSG00000130988.13	45.54110931	0.090536	0.655539	0.138109	0.890154
ENSG00000170775.3	45.54418504	0.97183	0.647544	1.500794	0.133409
ENSG00000104369.5	45.55822338	-0.13985	0.66881	-0.2091	0.834368
ENSG00000268895.6	45.5797551	-0.00529	0.637706	-0.00829	0.993386
ENSG00000262406.3	45.57988272	-0.16985	0.715465	-0.23739	0.812353
ENSG00000264772.6	45.5843316	0.049855	0.63531	0.078473	0.937452
ENSG00000133315.12	45.59527096	1.621561	0.933409	1.737246	0.082344
ENSG00000188599.17	45.59647066	0.136415	0.645693	0.211269	0.832678
ENSG00000123191.16	45.61579127	0.166944	0.69487	0.240252	0.810135
ENSG00000214652.6	45.6331916	0.185359	0.666354	0.278169	0.780882
ENSG00000271787.1	45.63880396	0.239752	0.718697	0.333593	0.738687
ENSG00000254536.2	45.63956197	-0.10759	0.679514	-0.15833	0.874193

ENSG00000169598.17	45.64077148	-0.16473	0.661537	-0.24901	0.803355
ENSG00000237854.3	45.64335375	-0.40467	0.678061	-0.5968	0.550642
ENSG00000244055.2	45.64741859	-0.10939	0.712016	-0.15363	0.8779
ENSG00000196345.13	45.68788791	0.188242	0.626614	0.300411	0.763864
ENSG00000206190.12	45.6947271	1.301577	0.852713	1.526395	0.126911
ENSG00000169683.8	45.72011747	1.164498	0.668837	1.74108	0.08167
ENSG00000077063.11	45.76195717	0.371198	0.634361	0.585153	0.558445
ENSG00000243970.3	45.79194542	-0.0909	0.648072	-0.14026	0.888455
ENSG00000276334.1	45.7998111	-0.98914	0.775468	-1.27553	0.20212
ENSG00000178852.16	45.87319863	-0.28012	0.685986	-0.40835	0.683015
ENSG00000215915.10	45.90599235	-0.51931	0.669415	-0.77576	0.437891
ENSG00000167637.18	45.9337211	-0.46781	0.653649	-0.71569	0.47418
ENSG00000148288.13	45.93613006	-0.11782	0.646587	-0.18221	0.855416
ENSG00000232300.1	45.97649595	0.317178	0.623476	0.508725	0.610945
ENSG00000169231.13	45.97851573	0.459056	0.634507	0.723485	0.469382
ENSG00000198468.9	46.01923024	0.465655	0.630402	0.738665	0.460111
ENSG00000271614.1	46.02252346	0.508179	0.662838	0.766672	0.443277
ENSG00000260596.5	46.03019037	5.572887	1.050551	5.304725	1.13E-07
ENSG00000152402.11	46.04274756	0.698119	0.663752	1.051777	0.292902
ENSG00000281348.1	46.06682224	-0.00764	0.663766	-0.01152	0.990812
ENSG00000163376.11	46.07755379	0.16763	0.653453	0.256529	0.797542
ENSG00000239697.11	46.09034877	0.528728	0.649462	0.814102	0.415587
ENSG00000162755.14	46.10841309	-0.50149	0.619396	-0.80964	0.418148
ENSG00000197142.10	46.13495706	-1.01708	0.642794	-1.58228	0.113586
ENSG00000116774.12	46.16317673	1.342438	0.6835	1.964062	0.049523
ENSG00000239521.9	46.16805447	0.632473	0.668128	0.946635	0.343825
ENSG00000117791.16	46.19967017	0.121438	0.619759	0.195944	0.844654
ENSG00000245571.7	46.22209169	-0.01613	0.690002	-0.02337	0.981354
ENSG00000151025.11	46.2629543	-0.36964	0.628964	-0.5877	0.556736
ENSG00000250303.4	46.28632413	0.445437	0.635581	0.700834	0.483406
ENSG00000210107.1	46.29605022	2.642803	1.04406	2.531276	0.011365
ENSG00000277203.1	46.31369109	1.574303	0.634058	2.4829	0.013032
ENSG00000287839.1	46.35020933	-0.3003	0.655848	-0.45788	0.647041
ENSG00000163006.12	46.35523498	-0.10488	0.639223	-0.16407	0.869674
ENSG00000152463.15	46.36395452	1.89211	0.71952	2.629684	0.008546
ENSG00000178409.14	46.42108296	0.288236	0.621005	0.464145	0.642544
ENSG00000130038.10	46.43396496	-0.14544	0.671513	-0.21658	0.828533
ENSG00000170382.12	46.45207489	0.59501	0.648017	0.918201	0.358514
ENSG00000184497.13	46.47924051	-0.40108	0.680086	-0.58975	0.555358
ENSG00000275778.2	46.50666364	-0.07543	0.657534	-0.11472	0.908666
ENSG00000139835.14	46.51121712	-0.01516	0.655746	-0.02311	0.981559
ENSG00000274828.1	46.51766813	-0.08944	0.625372	-0.14301	0.886282
ENSG00000169083.18	46.5345281	0.336594	0.724393	0.464656	0.642178
ENSG00000278195.2	46.56489437	1.055185	0.729008	1.447426	0.147778
ENSG00000247934.4	46.58022337	-0.10381	0.626072	-0.16581	0.868307
ENSG00000154027.19	46.58557098	0.492804	0.682772	0.721769	0.470436
ENSG00000204175.5	46.60197382	-0.24347	0.700534	-0.34755	0.728178
ENSG00000279573.1	46.60449507	2.625992	0.824523	3.184862	0.001448
ENSG00000146856.14	46.6143433	0.372033	0.626579	0.593752	0.552678
ENSG00000275074.2	46.61808684	0.466321	0.699403	0.666742	0.504937
ENSG00000124224.17	46.62191988	-0.05893	0.618802	-0.09523	0.924133
ENSG00000163806.16	46.6251051	-0.03811	0.613813	-0.06209	0.950491

ENSG00000186487.20	46.63707935	1.281705	0.698057	1.836104	0.066342
ENSG00000273084.1	46.64941133	-0.52125	0.660841	-0.78876	0.43025
ENSG00000127533.4	46.68230496	0.579425	0.847765	0.683474	0.494307
ENSG00000189144.13	46.68663292	0.018752	0.616218	0.030431	0.975723
ENSG00000165474.8	46.68940548	0.321512	0.716086	0.448985	0.653442
ENSG00000118849.10	46.71363518	0.123959	0.643033	0.192772	0.847137
ENSG00000246582.3	46.72031223	-0.79822	0.677705	-1.17783	0.238865
ENSG00000146122.17	46.78810445	0.464274	0.72048	0.644395	0.519319
ENSG00000212694.8	46.79657854	0.454574	0.664562	0.68402	0.493962
ENSG00000273045.6	46.83273884	0.305616	0.628304	0.486415	0.626673
ENSG00000288398.1	46.84399982	-0.22528	0.615597	-0.36595	0.714403
ENSG00000167981.7	46.84799485	-0.69671	0.65985	-1.05586	0.291033
ENSG00000129028.9	46.86234434	0.227796	0.630895	0.361068	0.718049
ENSG00000256690.1	46.86682333	0.486874	0.694248	0.701297	0.483118
ENSG00000211448.13	46.87950497	0.615968	0.836783	0.736114	0.461661
ENSG00000148541.13	46.90588479	0.052445	0.63063	0.083162	0.933722
ENSG00000132694.19	46.91505964	-0.1362	0.761919	-0.17876	0.858123
ENSG00000171557.17	46.92616367	-0.76178	0.685831	-1.11073	0.266683
ENSG00000159882.13	46.94442118	0.12166	0.637488	0.190843	0.848649
ENSG00000285410.1	46.96215352	1.044158	0.660474	1.580922	0.113896
ENSG00000134569.10	46.96334552	0.447892	0.63838	0.701607	0.482924
ENSG00000188234.13	46.9648703	-0.5333	0.671367	-0.79435	0.426993
ENSG00000187583.11	46.96685604	0.529409	0.702863	0.753218	0.451319
ENSG00000215105.4	46.98850261	0.804951	0.628045	1.281678	0.199956
ENSG00000272447.1	47.00054773	-0.16093	0.613313	-0.2624	0.793011
ENSG00000165072.10	47.0218219	-0.79779	0.705226	-1.13126	0.257946
ENSG00000205930.10	47.03632389	0.344294	0.67544	0.509733	0.610239
ENSG00000197619.14	47.04484655	0.088425	0.631084	0.140116	0.888568
ENSG00000185585.20	47.08170712	-0.02882	0.634844	-0.04539	0.963794
ENSG00000134297.6	47.0840328	-1.43023	0.640199	-2.23404	0.02548
ENSG00000228363.2	47.08461484	0.163635	0.637787	0.256567	0.797513
ENSG00000128606.13	47.09051635	-0.06318	0.645191	-0.09792	0.921996
ENSG00000261087.1	47.09202447	-0.43038	0.635869	-0.67684	0.498509
ENSG00000158869.11	47.1375814	0.178038	0.674458	0.263972	0.791801
ENSG00000105246.6	47.1479117	-0.39419	0.664503	-0.59322	0.553036
ENSG00000104321.11	47.16549559	-0.35953	0.631581	-0.56925	0.569189
ENSG00000169436.17	47.23062666	0.190955	0.635509	0.300476	0.763814
ENSG00000189292.16	47.23490527	-0.11965	0.634697	-0.18851	0.850477
ENSG00000186868.16	47.23924665	-0.57005	0.610807	-0.93328	0.350677
ENSG00000261889.1	47.24052812	3.868783	1.028321	3.762232	0.000168
ENSG00000181444.13	47.25347592	-0.32385	0.618723	-0.52341	0.600686
ENSG00000115841.21	47.30336009	-0.41878	0.634509	-0.66001	0.509245
ENSG00000250067.12	47.31559437	0.180864	0.653644	0.276702	0.782009
ENSG00000213638.6	47.344213	0.146081	0.747519	0.195421	0.845064
ENSG00000275183.2	47.34734591	1.180987	0.679938	1.736902	0.082404
ENSG00000051523.11	47.38163233	0.11409	0.665968	0.171314	0.863977
ENSG00000268575.1	47.38210279	-0.09361	0.645175	-0.14509	0.884638
ENSG00000160145.15	47.42162023	0.515085	0.621699	0.828513	0.40738
ENSG00000112038.18	47.43188062	1.537492	1.004434	1.530704	0.125842
ENSG00000280739.3	47.43895749	-0.87322	0.631616	-1.38252	0.166812
ENSG00000102575.13	47.4488549	-0.01582	0.643388	-0.02459	0.980378
ENSG00000188783.6	47.47928422	0.063375	0.636376	0.099588	0.920672

ENSG00000225972.1	47.50379685	1.382507	0.664815	2.079537	0.037568
ENSG00000267454.6	47.52667609	-0.14546	0.628222	-0.23155	0.81689
ENSG00000126249.8	47.53257039	-0.64877	0.625391	-1.03738	0.299558
ENSG00000138759.19	47.53293567	0.932546	0.667211	1.397676	0.16221
ENSG00000068137.15	47.53881849	1.521091	0.645641	2.355938	0.018476
ENSG00000204172.12	47.55767509	-0.4212	0.614688	-0.68522	0.493206
ENSG00000233006.8	47.57822305	-0.10464	0.61189	-0.17102	0.86421
ENSG00000249249.2	47.57935412	-0.58392	0.61992	-0.94193	0.34623
ENSG00000198734.12	47.58452962	-0.17906	0.640701	-0.27948	0.779879
ENSG00000255508.7	47.59589434	0.071415	0.639066	0.111749	0.911022
ENSG00000138172.11	47.59638655	-0.1057	0.654812	-0.16142	0.871765
ENSG00000078487.17	47.61391998	0.352885	0.711833	0.495742	0.620077
ENSG00000249459.11	47.65977905	-0.31734	0.612847	-0.51782	0.604584
ENSG00000133624.13	47.70308952	0.386684	0.649215	0.595618	0.551431
ENSG00000258057.6	47.73872771	-0.39589	0.62427	-0.63416	0.525977
ENSG00000255959.1	47.74130208	-0.55668	0.7922	-0.7027	0.482241
ENSG00000142149.9	47.74891954	0.385632	0.704912	0.547064	0.584335
ENSG00000175938.7	47.7674272	0.554386	0.625875	0.885777	0.375738
ENSG00000186272.12	47.78497616	-0.10324	0.618111	-0.16703	0.867345
ENSG00000247572.8	47.78704909	0.621118	0.645307	0.962516	0.335791
ENSG00000188467.11	47.79186781	-0.03184	0.629535	-0.05057	0.959667
ENSG00000145934.16	47.80288343	1.401401	0.652482	2.147801	0.03173
ENSG00000185112.6	47.82587341	1.540403	0.693422	2.221452	0.02632
ENSG00000260230.4	47.82750734	0.398672	0.608476	0.655197	0.512341
ENSG00000185055.11	47.82767691	-0.01399	0.645705	-0.02167	0.982715
ENSG00000205269.6	47.82862129	-0.08694	0.661425	-0.13144	0.895428
ENSG00000285444.1	47.87685151	0.381178	0.610697	0.624169	0.532516
ENSG00000224383.8	47.88005843	0.099006	0.633899	0.156186	0.875887
ENSG00000131849.12	47.94150606	-0.13541	0.649972	-0.20833	0.834971
ENSG00000125618.17	47.94366809	-0.68078	0.724452	-0.93972	0.347364
ENSG00000198039.11	47.95439578	-0.24309	0.652376	-0.37262	0.709429
ENSG00000101400.6	47.96870344	0.089707	0.625685	0.143374	0.885995
ENSG00000177051.6	47.97834292	0.170745	0.748109	0.228236	0.819463
ENSG00000198848.13	47.98505473	0.325047	0.613123	0.530149	0.596009
ENSG00000286430.1	47.99210177	-0.43364	0.651461	-0.66564	0.505641
ENSG00000273329.1	47.99530694	0.6687	0.634856	1.053311	0.292199
ENSG00000279407.1	48.00307703	0.076161	0.618976	0.123044	0.902072
ENSG00000159212.12	48.00690893	0.364474	0.616165	0.591519	0.554173
ENSG00000185467.7	48.0089755	-0.52344	0.643544	-0.81338	0.416001
ENSG00000132017.10	48.01405736	0.644172	0.621556	1.036386	0.300022
ENSG00000249835.2	48.01813545	0.680313	0.637843	1.066583	0.28616
ENSG00000172209.6	48.0364148	-0.86667	0.701372	-1.23568	0.216577
ENSG00000157353.17	48.0648903	-0.00716	0.657355	-0.0109	0.991306
ENSG00000138311.18	48.06543088	0.089669	0.654805	0.13694	0.891079
ENSG00000187994.14	48.06792337	0.200481	0.658962	0.304238	0.760946
ENSG00000196357.12	48.07999758	-0.29837	0.65015	-0.45893	0.646286
ENSG00000164619.10	48.10141141	0.496486	0.680113	0.730005	0.465387
ENSG00000101096.20	48.11780839	-0.14959	0.688868	-0.21715	0.82809
ENSG00000188227.13	48.11869466	0.528806	0.674989	0.783429	0.433375
ENSG00000100842.13	48.13121361	0.895719	0.68728	1.303283	0.192478
ENSG00000232434.2	48.15591969	0.026235	0.668072	0.039269	0.968676
ENSG00000167393.18	48.16447603	0.483265	0.699332	0.691037	0.489542

ENSG00000268006.1	48.16463678	-0.01549	0.653238	-0.02372	0.981076
ENSG00000278600.1	48.17878842	0.367131	0.654126	0.561254	0.574624
ENSG00000131061.14	48.1799599	-0.30298	0.665154	-0.4555	0.648753
ENSG00000034053.14	48.18964087	0.631978	0.695398	0.908801	0.363455
ENSG00000279453.1	48.19560988	-0.19803	0.662794	-0.29879	0.765103
ENSG00000114923.17	48.19603202	0.106194	0.650815	0.163171	0.870384
ENSG00000272478.1	48.21119757	-0.40966	0.62374	-0.65679	0.511319
ENSG00000260238.6	48.22270354	-0.76864	0.630809	-1.21849	0.223037
ENSG00000115602.17	48.25255927	1.804025	0.78119	2.309329	0.020925
ENSG00000248468.2	48.27596028	-0.35726	0.663647	-0.53833	0.59035
ENSG00000184588.18	48.27823252	0.385222	0.752886	0.511661	0.608888
ENSG00000287277.1	48.28473528	1.544318	0.791422	1.951321	0.051019
ENSG00000272941.1	48.30822417	-0.46746	0.633241	-0.7382	0.460394
ENSG00000257557.2	48.3207794	0.101887	0.643804	0.158259	0.874253
ENSG00000168811.7	48.32408847	-1.40565	0.790349	-1.77852	0.075319
ENSG00000165379.13	48.3414904	0.322298	0.690142	0.467002	0.640498
ENSG00000010318.21	48.36842385	-0.14078	0.652924	-0.21561	0.829294
ENSG00000092295.12	48.37079754	0.49683	0.668144	0.743597	0.45712
ENSG00000166896.9	48.37748764	-0.96218	0.733177	-1.31234	0.189404
ENSG00000284820.1	48.39271599	1.946773	0.738194	2.637211	0.008359
ENSG00000161551.14	48.41900682	-0.58434	0.632702	-0.92356	0.355715
ENSG00000081189.16	48.4679903	2.496389	0.626664	3.983617	6.79E-05
ENSG00000134463.15	48.47026061	0.273334	0.606164	0.450924	0.652045
ENSG00000267279.2	48.47342241	0.812986	0.653386	1.244267	0.213401
ENSG00000272770.1	48.49786151	-0.64574	0.724814	-0.8909	0.372981
ENSG00000127415.13	48.52070286	0.757549	0.691512	1.095496	0.273299
ENSG00000141956.14	48.52305931	0.413722	0.70329	0.588267	0.556353
ENSG00000280120.1	48.52452107	0.228508	0.740789	0.308465	0.757729
ENSG00000279738.1	48.53367043	1.107662	0.648736	1.707415	0.087745
ENSG00000255135.4	48.54053162	0.795965	0.65128	1.222155	0.221649
ENSG00000143382.15	48.5421248	-1.33838	0.6606	-2.02601	0.042764
ENSG00000132321.17	48.551643	-0.42945	0.653975	-0.65667	0.511391
ENSG00000260456.7	48.55385204	0.701574	0.631851	1.110347	0.266849
ENSG00000146006.8	48.55900934	1.34536	0.635123	2.118269	0.034152
ENSG00000153790.12	48.57892691	-0.50512	0.624019	-0.80947	0.418246
ENSG00000189057.11	48.62655018	0.292002	0.714748	0.408538	0.682879
ENSG00000249746.1	48.64651168	-0.20703	0.658663	-0.31431	0.753283
ENSG00000167604.14	48.65071315	0.332113	0.62452	0.53179	0.594872
ENSG00000142102.16	48.66444514	0.389497	0.622967	0.625229	0.531821
ENSG00000286261.1	48.66627875	0.627277	0.647319	0.969038	0.332526
ENSG00000129993.15	48.7206688	-0.82243	0.637585	-1.28992	0.197079
ENSG00000083817.9	48.7346877	-0.40781	0.693859	-0.58774	0.556707
ENSG00000188958.9	48.77309859	-0.24259	0.609941	-0.39773	0.69083
ENSG00000184156.17	48.83166092	0.244314	0.673621	0.362687	0.716839
ENSG00000267436.1	48.84696479	1.044236	0.637258	1.638638	0.101289
ENSG00000185869.14	48.85889763	0.862535	0.670222	1.286939	0.198115
ENSG00000280128.1	48.86729162	0.363988	0.613449	0.593347	0.552949
ENSG00000238197.6	48.87391699	0.161235	0.651275	0.247569	0.804468
ENSG00000267023.5	48.89824367	0.032624	0.605461	0.053883	0.957028
ENSG00000168152.13	48.90876668	-0.60042	0.637468	-0.94188	0.346254
ENSG00000164056.11	48.92602119	-0.21371	0.677631	-0.31537	0.752477
ENSG00000136197.12	48.93677854	-0.29302	0.684123	-0.42831	0.668426

ENSG00000159733.14	48.9756942	-0.09787	0.607427	-0.16112	0.872001
ENSG00000143126.8	48.99722051	0.59693	0.609413	0.979516	0.327325
ENSG00000170442.12	49.00311098	0.155327	0.792348	0.196034	0.844584
ENSG00000258655.2	49.01430173	0.34901	0.617427	0.565266	0.571893
ENSG00000110042.8	49.0528772	0.389258	0.627222	0.620607	0.534858
ENSG00000263244.2	49.13063305	0.415591	3.951469	0.105174	0.916238
ENSG00000172349.17	49.13154207	0.853715	0.735819	1.160223	0.245958
ENSG00000158258.16	49.13912201	0.040645	0.650906	0.062444	0.950209
ENSG00000128284.19	49.15717925	-0.4639	0.67496	-0.6873	0.491893
ENSG00000175449.14	49.16275721	-1.73196	0.642046	-2.69755	0.006985
ENSG00000082126.18	49.23842822	0.700786	0.699424	1.001947	0.316369
ENSG00000166959.8	49.24082773	-0.43009	0.644195	-0.66765	0.504359
ENSG00000159917.17	49.25699348	-0.31072	0.62536	-0.49687	0.61928
ENSG00000125872.8	49.26906987	-0.29576	0.667278	-0.44324	0.657593
ENSG00000279592.1	49.27813316	-0.20144	0.607171	-0.33177	0.740061
ENSG00000091656.19	49.32063542	1.069048	0.783682	1.364136	0.172525
ENSG00000102221.14	49.32076173	-0.43432	0.610507	-0.71142	0.476827
ENSG00000144908.14	49.34248267	1.533637	0.747545	2.051564	0.040212
ENSG00000251095.7	49.37806143	0.040231	0.619788	0.06491	0.948245
ENSG00000101190.13	49.40398623	0.434968	0.681356	0.638386	0.523222
ENSG00000232040.4	49.43262102	-0.10584	0.708875	-0.14931	0.881308
ENSG00000174292.12	49.45649437	0.661017	0.606904	1.089161	0.276083
ENSG00000061337.15	49.46288211	0.501892	0.679576	0.738536	0.460189
ENSG00000230513.2	49.50105419	0.265749	0.639629	0.415475	0.677795
ENSG00000158373.8	49.50929589	0.491898	0.63622	0.773158	0.439429
ENSG00000259330.3	49.5093559	0.521514	0.639819	0.815096	0.415017
ENSG00000056291.17	49.51088472	-0.33504	0.632247	-0.52992	0.596171
ENSG00000185046.18	49.52008724	0.148845	0.617413	0.241079	0.809494
ENSG00000258056.2	49.53496372	-0.50929	0.623305	-0.81708	0.41388
ENSG00000146411.6	49.54078518	-0.29911	0.619087	-0.48315	0.628988
ENSG00000153064.12	49.55219326	1.161134	0.670077	1.732837	0.083125
ENSG00000165724.6	49.60135913	1.106117	0.649804	1.70223	0.088712
ENSG00000167555.14	49.61633279	-0.1002	0.624988	-0.16032	0.87263
ENSG00000180867.11	49.6181202	0.430112	0.608958	0.706309	0.479996
ENSG00000197479.7	49.62425881	0.330815	0.718297	0.460554	0.645118
ENSG00000165684.4	49.62732848	0.35915	0.667637	0.537942	0.590617
ENSG00000105852.11	49.64646545	-0.96988	0.641659	-1.51152	0.130655
ENSG00000112559.14	49.65914871	0.068312	0.632909	0.107934	0.914048
ENSG00000164989.17	49.69421126	0.010623	0.700476	0.015166	0.9879
ENSG00000179743.4	49.71557862	0.368086	0.701999	0.524339	0.600043
ENSG00000235609.7	49.74157543	-0.09451	0.612244	-0.15436	0.877327
ENSG00000241313.3	49.75476007	-1.41532	0.629923	-2.24682	0.024652
ENSG00000206530.11	49.77340972	-0.83805	0.621694	-1.34802	0.177652
ENSG00000158483.17	49.78440564	-0.23342	0.606969	-0.38457	0.700558
ENSG00000245849.8	49.7968469	0.223556	0.686165	0.325805	0.744572
ENSG00000197020.11	49.80280547	0.215334	0.682476	0.315519	0.752367
ENSG00000116254.18	49.80340451	0.134348	0.667544	0.201257	0.840498
ENSG00000188818.12	49.80981555	-0.69325	0.757221	-0.91551	0.359923
ENSG00000174348.14	49.85301433	-0.13171	0.621975	-0.21177	0.832287
ENSG00000124313.17	49.85637656	0.141641	0.68187	0.207725	0.835444
ENSG00000143951.16	49.88305835	0.239819	0.615684	0.389516	0.696894
ENSG00000085185.15	49.89065353	-0.0212	0.602747	-0.03517	0.971944

ENSG00000179097.5	49.89297393	-0.17981	0.721419	-0.24925	0.803167
ENSG00000128918.15	49.9220017	1.599054	0.723428	2.210386	0.027078
ENSG00000187800.13	49.94514031	-0.54047	0.611771	-0.88345	0.376995
ENSG00000228801.6	49.94568436	0.403132	0.610051	0.660816	0.50873
ENSG00000128683.14	49.94810996	-0.41145	0.607602	-0.67718	0.498295
ENSG00000176399.4	49.95256804	-0.09698	0.621568	-0.15602	0.876018
ENSG00000151224.13	49.9903249	-0.37598	0.605982	-0.62045	0.53496
ENSG00000185864.16	50.010985	-0.21373	0.614131	-0.34802	0.727827
ENSG00000236699.9	50.0116606	0.079828	0.63927	0.124874	0.900623
ENSG00000286177.1	50.02386825	0.461968	0.618036	0.747477	0.454776
ENSG00000100147.13	50.03123407	0.324839	0.629733	0.515837	0.605969
ENSG00000260934.1	50.04830195	0.428323	0.625908	0.684323	0.493771
ENSG00000158717.11	50.05359089	0.42002	0.659233	0.637134	0.524038
ENSG00000272752.6	50.05745004	-0.55863	0.624852	-0.89402	0.371312
ENSG00000167595.15	50.08488415	0.675969	0.609561	1.108943	0.267455
ENSG00000168405.17	50.11959898	0.13674	0.628297	0.217636	0.827713
ENSG00000205485.13	50.13070138	0.355079	0.661289	0.53695	0.591302
ENSG00000244165.2	50.13478251	0.456408	0.666753	0.684524	0.493644
ENSG00000112357.13	50.13503919	-0.64611	0.606665	-1.06501	0.28687
ENSG00000204681.11	50.1742719	0.458717	0.606556	0.756264	0.449491
ENSG00000102302.8	50.18185507	0.618073	0.605892	1.020104	0.307679
ENSG00000177369.9	50.183695	-0.13033	0.633418	-0.20576	0.83698
ENSG00000247626.5	50.23231747	-0.83183	0.669786	-1.24194	0.21426
ENSG00000164037.17	50.27191669	0.045422	0.62028	0.073228	0.941625
ENSG00000283674.3	50.27425612	0.849044	0.721166	1.177322	0.239067
ENSG00000178229.8	50.2775002	-0.17194	0.608583	-0.28252	0.777542
ENSG00000148835.11	50.30846551	0.16505	0.637307	0.25898	0.795651
ENSG00000170537.13	50.31279035	-0.05625	0.637013	-0.08831	0.929633
ENSG00000100079.7	50.35654692	0.176456	0.688571	0.256265	0.797746
ENSG00000196581.11	50.36410621	1.345673	0.716258	1.878754	0.060278
ENSG00000136531.18	50.3761767	-0.28349	0.629657	-0.45024	0.652541
ENSG00000075399.14	50.38370774	0.40781	0.611766	0.666611	0.50502
ENSG00000183092.16	50.44464176	-0.7056	0.627092	-1.1252	0.260504
ENSG00000152578.13	50.44767102	-0.17772	0.609049	-0.29181	0.770435
ENSG00000006638.13	50.48877087	-0.28073	0.648366	-0.43299	0.665025
ENSG00000157680.15	50.49682468	1.111688	0.684237	1.624711	0.104224
ENSG00000175591.12	50.50094274	-0.45317	0.660426	-0.68619	0.492596
ENSG00000061656.10	50.51063609	-0.75942	0.608423	-1.24818	0.211966
ENSG00000014257.16	50.52149305	0.122825	0.62676	0.195968	0.844635
ENSG00000224699.9	50.52408671	0.050098	0.598665	0.083683	0.933308
ENSG00000280164.1	50.55501997	0.289168	0.600459	0.481579	0.630105
ENSG00000239282.8	50.56829921	-0.42837	0.664682	-0.64447	0.519268
ENSG00000198056.15	50.58215977	-0.10708	0.60812	-0.17608	0.86023
ENSG00000197530.12	50.60214014	1.551342	0.64763	2.395414	0.016602
ENSG00000182700.5	50.64103796	0.39106	0.621822	0.628895	0.529418
ENSG00000161558.11	50.64377036	-0.31092	0.61157	-0.50839	0.611177
ENSG00000131944.10	50.64715911	-1.20811	0.612859	-1.97128	0.048692
ENSG00000187187.14	50.66786597	0.409987	0.766548	0.534848	0.592755
ENSG00000164048.14	50.70113914	-0.12033	0.600538	-0.20037	0.841194
ENSG00000226287.8	50.70557044	-0.49663	0.608925	-0.81558	0.414739
ENSG00000253837.1	50.71719546	0.293538	0.61037	0.480918	0.630575
ENSG00000135451.13	50.74221817	0.924973	0.655287	1.411554	0.158081

ENSG00000162927.14	50.76319511	-0.40562	0.614365	-0.66022	0.50911
ENSG00000281571.2	50.83478902	0.436632	0.615984	0.708838	0.478425
ENSG00000186493.13	50.90575049	0.240723	0.668771	0.359948	0.718886
ENSG00000273275.1	50.91497032	-0.26761	0.648677	-0.41255	0.679933
ENSG00000117069.15	50.95691198	-0.57229	0.673318	-0.84995	0.395351
ENSG00000247228.3	50.97499217	-0.18594	0.603524	-0.30809	0.758012
ENSG00000177854.8	51.00166053	0.07102	0.623363	0.113931	0.909293
ENSG00000163075.13	51.00793984	-0.56816	0.652436	-0.87082	0.38385
ENSG00000215883.10	51.02120745	-0.20602	0.662619	-0.31091	0.755867
ENSG00000003400.15	51.03750607	0.272951	0.601203	0.454007	0.649824
ENSG00000172935.9	51.04525122	0.726891	0.683552	1.063404	0.287599
ENSG00000169660.17	51.13003602	0.647457	0.595556	1.087148	0.276972
ENSG00000213189.5	51.1317015	-0.15633	0.62536	-0.24999	0.802599
ENSG00000196466.10	51.21920904	-0.92089	0.617665	-1.49091	0.135984
ENSG00000196371.3	51.22061306	0.60896	0.617444	0.986259	0.324006
ENSG00000175344.19	51.25502124	-0.3817	0.734881	-0.5194	0.603481
ENSG00000277363.5	51.27069664	1.058707	0.608775	1.739079	0.082021
ENSG00000169750.9	51.27203309	-0.25366	0.628931	-0.40332	0.686714
ENSG00000184307.16	51.29884199	0.034022	0.625162	0.05442	0.9566
ENSG00000135835.12	51.35583983	0.560612	0.875095	0.64063	0.521763
ENSG00000251595.7	51.37400095	-0.69111	0.613498	-1.1265	0.259952
ENSG00000121621.7	51.39697171	0.490134	0.65345	0.750072	0.453212
ENSG00000145911.6	51.39934848	0.694077	0.614662	1.129201	0.258813
ENSG00000243477.6	51.40484568	-0.29659	0.641713	-0.46218	0.643951
ENSG00000176055.10	51.40541218	-0.35384	0.635987	-0.55637	0.577957
ENSG00000170356.9	51.42489371	-1.5005	0.635798	-2.36003	0.018273
ENSG00000233705.7	51.43414693	0.849556	0.756897	1.122419	0.261684
ENSG00000138675.16	51.43517816	-0.32634	0.684197	-0.47697	0.633382
ENSG00000260236.1	51.43605305	0.595971	0.632793	0.94181	0.34629
ENSG00000256116.1	51.45150981	-0.14944	0.609694	-0.2451	0.806378
ENSG00000198908.12	51.48117416	-0.16966	0.618919	-0.27412	0.783993
ENSG00000171817.17	51.51289474	-1.51701	0.622443	-2.43718	0.014802
ENSG00000280407.2	51.51924998	-0.27851	0.593562	-0.46921	0.638916
ENSG00000133687.16	51.53005419	0.019025	0.752193	0.025292	0.979822
ENSG00000162650.16	51.58745941	0.209196	0.630941	0.331562	0.74022
ENSG00000181804.15	51.62538785	0.064023	0.605638	0.105712	0.915811
ENSG00000215386.13	51.6480274	0.688192	0.718349	0.958019	0.338053
ENSG00000137460.8	51.67996838	0.551938	0.621423	0.888184	0.374442
ENSG00000099785.10	51.69087203	0.436091	0.603564	0.722527	0.469971
ENSG00000110324.11	51.69767484	0.387803	0.623543	0.621934	0.533985
ENSG00000085999.13	51.71595663	0.823435	0.643525	1.279569	0.200697
ENSG00000181638.20	51.72074494	0.635651	0.741109	0.857702	0.391057
ENSG00000232859.10	51.72236865	-0.4262	0.599956	-0.71038	0.477466
ENSG00000180881.19	51.72754909	0.231351	0.680159	0.340142	0.73375
ENSG00000261717.5	51.73780144	-0.64394	0.615012	-1.04703	0.295084
ENSG00000134508.12	51.7539769	-0.67418	0.597114	-1.12906	0.258871
ENSG00000163762.7	51.76977556	-0.73542	0.679337	-1.08255	0.279008
ENSG00000268362.6	51.77173953	0.454881	0.592051	0.768315	0.4423
ENSG00000185347.18	51.77879686	0.796031	0.596382	1.334767	0.181953
ENSG00000125246.15	51.81175926	0.025564	0.601267	0.042517	0.966087
ENSG00000022976.15	51.82421237	0.096095	0.62367	0.15408	0.877547
ENSG00000246985.8	51.84017425	0.134676	0.642769	0.209525	0.834038

ENSG00000188107.15	51.87229616	-0.12632	0.602145	-0.20979	0.833833
ENSG00000280007.1	51.88119661	0.064907	0.618577	0.10493	0.916431
ENSG00000198208.12	51.8877025	-0.45504	0.598187	-0.76069	0.446841
ENSG00000124587.14	51.94171406	0.723587	0.619111	1.16875	0.242504
ENSG00000256500.6	51.95452484	0.417402	3.272317	0.127555	0.898501
ENSG00000155287.11	51.96818229	0.351083	0.624115	0.562529	0.573755
ENSG00000124743.6	51.99451235	0.006207	0.610641	0.010164	0.99189
ENSG00000272686.1	51.99510239	0.416484	0.61509	0.67711	0.498336
ENSG00000237975.7	52.04191453	0.342594	0.609805	0.561809	0.574246
ENSG00000272163.1	52.09767975	0.079667	0.62977	0.126502	0.899334
ENSG00000134121.10	52.12894909	1.282178	0.734619	1.745364	0.080921
ENSG00000163581.14	52.1304891	-1.2245	0.668216	-1.8325	0.066877
ENSG00000080839.12	52.13136049	0.329914	0.606884	0.54362	0.586703
ENSG00000267815.1	52.1385208	1.708469	0.662285	2.579658	0.00989
ENSG00000288640.1	52.18064226	-0.0767	0.825858	-0.09288	0.926
ENSG00000105877.18	52.18339387	0.684003	0.695823	0.983013	0.325601
ENSG00000132846.6	52.19178299	0.991614	0.717548	1.381948	0.166988
ENSG00000109576.14	52.19201369	-0.35362	0.612425	-0.5774	0.563667
ENSG00000251143.1	52.21823552	0.424853	0.677741	0.626866	0.530747
ENSG00000068024.17	52.23427037	-0.58187	0.640198	-0.90889	0.363409
ENSG00000100629.17	52.24235438	0.488725	0.603879	0.809311	0.418336
ENSG00000204764.14	52.26409835	-0.46708	0.606241	-0.77046	0.441027
ENSG00000267601.1	52.3128516	0.78814	0.658511	1.196851	0.231364
ENSG00000081913.14	52.31480532	0.377565	0.655134	0.576317	0.564401
ENSG00000206559.8	52.35231976	-0.27404	0.594694	-0.4608	0.644939
ENSG00000136014.12	52.3670578	-1.10241	0.665237	-1.65718	0.097484
ENSG00000197275.14	52.37003827	-0.01347	0.736391	-0.01829	0.985407
ENSG00000126243.9	52.40439107	0.988595	0.608539	1.624539	0.104261
ENSG00000235899.2	52.4241782	0.298149	0.631152	0.472389	0.636649
ENSG00000250802.7	52.42957309	0.620119	0.620592	0.999238	0.317679
ENSG00000171291.8	52.43180412	-0.09178	0.598251	-0.15341	0.878076
ENSG00000198771.11	52.43513574	1.321321	0.738759	1.788569	0.073684
ENSG00000205923.3	52.44754251	1.149248	0.670063	1.715134	0.086321
ENSG00000114790.13	52.46285332	-0.27523	0.637731	-0.43158	0.666047
ENSG00000198879.12	52.48943202	-0.00381	0.65059	-0.00585	0.995331
ENSG00000185163.10	52.49727517	1.747191	0.623228	2.803453	0.005056
ENSG00000282961.1	52.52704816	0.354105	0.603133	0.58711	0.55713
ENSG00000179532.13	52.53875878	0.008484	0.657611	0.012902	0.989706
ENSG00000091583.11	52.56141303	-0.37801	0.613646	-0.616	0.537893
ENSG00000113212.7	52.57547265	1.730997	0.773038	2.239214	0.025142
ENSG00000173698.18	52.58186663	-0.60314	0.617116	-0.97735	0.328394
ENSG00000132881.12	52.60941054	-0.36405	0.589048	-0.61803	0.536558
ENSG00000279253.1	52.609653	0.044438	0.688079	0.064583	0.948506
ENSG00000140323.6	52.61574579	0.025255	0.627848	0.040224	0.967915
ENSG00000170293.9	52.62670267	0.592866	0.60433	0.98103	0.326578
ENSG00000211451.12	52.68200801	-0.0342	0.649955	-0.05262	0.958032
ENSG00000172986.13	52.69779401	0.567784	0.600402	0.945673	0.344315
ENSG00000066827.16	52.70459592	0.087481	0.613321	0.142634	0.886579
ENSG00000175984.15	52.73239541	0.025326	0.594029	0.042635	0.965992
ENSG00000063180.9	52.75094173	0.205832	0.600923	0.342527	0.731954
ENSG00000154957.14	52.8116876	-0.43608	0.642184	-0.67906	0.4971
ENSG00000279759.1	52.81380796	0.08855	0.6057	0.146194	0.883768

ENSG00000115425.14	52.82644077	-0.33591	0.626715	-0.53599	0.591968
ENSG00000185561.10	52.83026221	0.336261	0.602166	0.558419	0.576559
ENSG00000177842.12	52.87342333	-0.12879	0.604976	-0.21289	0.831415
ENSG00000183814.15	52.87603327	-0.42659	0.630594	-0.67649	0.498727
ENSG00000161270.19	52.93586353	0.078477	0.623562	0.125853	0.899848
ENSG00000264019.1	52.95075873	-0.61694	0.597729	-1.03215	0.302004
ENSG00000112425.16	52.95411303	-0.04849	0.620005	-0.07821	0.937663
ENSG00000188223.9	52.98813952	0.465191	0.660997	0.703771	0.481575
ENSG00000164403.14	52.99246417	0.400157	0.606892	0.659354	0.509669
ENSG00000159314.11	53.05795361	-0.40396	0.672905	-0.60032	0.548292
ENSG00000124074.12	53.06305481	0.022363	0.673423	0.033208	0.973508
ENSG00000112303.14	53.0721508	-0.49596	0.617268	-0.80348	0.421695
ENSG00000164742.16	53.08203237	0.413063	0.59619	0.692839	0.488411
ENSG00000231840.2	53.09213016	-0.44575	0.708185	-0.62943	0.529069
ENSG00000225932.3	53.10284242	0.290867	0.663334	0.438493	0.661029
ENSG00000144504.15	53.11071891	-0.10452	0.596449	-0.17524	0.86089
ENSG00000124813.23	53.11167405	-0.04548	0.679055	-0.06697	0.946602
ENSG00000102878.17	53.12135715	0.361076	0.606026	0.595808	0.551303
ENSG00000165495.16	53.13341358	-0.15166	0.597219	-0.25394	0.799541
ENSG00000276900.1	53.15625956	0.395791	0.651364	0.607634	0.54343
ENSG00000080561.13	53.1917541	-0.06995	0.5972	-0.11713	0.906754
ENSG00000059915.17	53.25990502	0.562345	0.592566	0.949	0.342621
ENSG00000185479.6	53.27751663	-0.01504	0.659105	-0.02281	0.9818
ENSG00000225647.2	53.29357354	-1.52932	0.920145	-1.66204	0.096505
ENSG00000134532.19	53.29992423	0.771174	0.604523	1.275673	0.202071
ENSG00000155026.16	53.30170369	1.033145	0.694678	1.487229	0.136954
ENSG00000051341.14	53.30272374	0.550037	0.614172	0.895575	0.37048
ENSG00000148450.13	53.30489461	0.87917	0.63401	1.386683	0.165539
ENSG00000165113.13	53.31738596	0.506829	0.638548	0.793721	0.427358
ENSG00000276850.5	53.36629898	-0.60123	0.644162	-0.93335	0.350639
ENSG00000170915.9	53.41161047	0.511009	0.687175	0.743637	0.457096
ENSG00000133392.18	53.41553906	0.739715	0.693274	1.066988	0.285977
ENSG00000175928.6	53.41684178	0.115174	0.655456	0.175716	0.860517
ENSG00000151882.11	53.43757618	0.261262	0.598046	0.43686	0.662213
ENSG00000121104.8	53.47486086	-0.90763	0.59675	-1.52095	0.128273
ENSG00000185189.18	53.47755887	0.934526	0.59605	1.567866	0.116912
ENSG00000177694.16	53.49283152	-0.87895	0.604588	-1.4538	0.146001
ENSG00000187713.7	53.4959861	1.469559	0.619468	2.372294	0.017678
ENSG00000185052.12	53.5037152	0.505831	0.622589	0.812465	0.416525
ENSG00000281183.1	53.53206268	0.169598	0.589755	0.287573	0.773673
ENSG00000160223.17	53.54933683	-0.15281	0.781673	-0.19549	0.845011
ENSG00000177409.12	53.56218149	-0.0005	0.611332	-0.00082	0.999346
ENSG00000132386.11	53.57263082	0.005962	0.628749	0.009482	0.992434
ENSG00000082175.15	53.58276757	-0.3655	0.591805	-0.61761	0.536833
ENSG00000109832.14	53.58618009	-0.38098	0.597868	-0.63723	0.523975
ENSG00000235169.10	53.6398729	-0.06134	0.61258	-0.10014	0.920235
ENSG00000124496.12	53.74989565	-0.13925	0.607439	-0.22925	0.818676
ENSG00000121988.18	53.80814068	0.24031	0.643358	0.373524	0.708759
ENSG00000226328.7	53.82011131	-0.19317	0.63	-0.30662	0.759135
ENSG00000171711.3	53.82334285	0.320037	0.741269	0.431742	0.665929
ENSG00000113296.14	53.83531476	1.402363	0.750648	1.868203	0.061734
ENSG00000134504.14	53.86192264	-0.06738	0.594238	-0.11339	0.909721

ENSG00000139679.15	53.86896159	0.141472	0.599403	0.236022	0.813415
ENSG00000161835.11	53.87533408	0.784428	0.61336	1.278904	0.200931
ENSG00000103199.14	53.89727009	0.123797	0.684928	0.180745	0.856568
ENSG00000099998.18	53.91897017	0.729914	0.647662	1.126999	0.259743
ENSG00000128602.11	53.93776264	0.513303	0.58857	0.872119	0.383144
ENSG00000243667.7	53.93837827	-0.3297	0.596517	-0.55271	0.580461
ENSG00000166676.17	53.9532433	0.063743	0.59706	0.106761	0.914979
ENSG00000184154.15	53.9632382	0.14355	0.64786	0.221575	0.824644
ENSG00000239213.6	53.96434469	-0.10757	0.58578	-0.18364	0.854294
ENSG00000172061.9	53.98268439	1.015308	0.702753	1.444757	0.148526
ENSG00000158427.15	53.98331303	-0.03634	0.726589	-0.05001	0.960112
ENSG00000183023.18	53.98973981	1.186278	0.882342	1.344465	0.178798
ENSG00000197444.10	54.03004111	0.017205	0.603587	0.028505	0.977259
ENSG00000106927.12	54.03673995	0.812976	0.602623	1.349061	0.177317
ENSG00000241852.10	54.05397366	0.525029	0.614334	0.854631	0.392756
ENSG00000113790.11	54.06302452	-0.55789	0.637179	-0.87555	0.381272
ENSG00000257553.1	54.06780697	0.298514	0.643612	0.46381	0.642784
ENSG00000276141.4	54.09570523	-0.1456	0.641531	-0.22696	0.820452
ENSG00000152782.16	54.10540583	-0.549	0.663303	-0.82768	0.407852
ENSG00000263218.2	54.12894665	0.114614	0.617246	0.185686	0.852691
ENSG00000173928.4	54.15405493	-0.72489	0.603173	-1.20179	0.229446
ENSG00000274471.2	54.18510901	-0.30437	0.586423	-0.51903	0.603738
ENSG00000172824.16	54.23179894	0.266692	0.59776	0.446153	0.655487
ENSG00000223361.5	54.23528769	-1.21221	0.711298	-1.70422	0.08834
ENSG00000263766.5	54.2450891	0.434614	0.605546	0.717723	0.472928
ENSG00000235078.1	54.25242588	-0.34371	0.594134	-0.57851	0.562919
ENSG00000143842.15	54.30499141	0.423336	0.598646	0.707156	0.479469
ENSG00000125895.5	54.34468531	1.753251	0.704949	2.487062	0.01288
ENSG00000271824.2	54.35616692	0.684081	0.7458	0.917244	0.359015
ENSG00000072571.20	54.37795209	0.446035	0.641807	0.694967	0.487076
ENSG00000197714.9	54.38254503	-0.94281	0.623383	-1.5124	0.130432
ENSG00000088538.13	54.41329444	-0.13472	0.594128	-0.22676	0.820614
ENSG00000131899.11	54.4173264	0.198669	0.625639	0.317546	0.75083
ENSG00000253522.6	54.42467516	1.424233	0.697833	2.040939	0.041257
ENSG00000197124.12	54.44380831	0.036079	0.637308	0.056612	0.954855
ENSG00000175600.16	54.44583985	0.715541	0.598223	1.196112	0.231653
ENSG00000157315.5	54.45534513	-0.56878	0.593197	-0.95885	0.337636
ENSG00000138792.10	54.45878824	-0.06259	0.701591	-0.08922	0.928909
ENSG00000214357.9	54.47668271	0.469838	0.595069	0.789551	0.42979
ENSG00000172671.20	54.52373126	-0.22811	0.626362	-0.36418	0.715725
ENSG00000197863.9	54.58481126	0.062524	0.648239	0.096451	0.923162
ENSG00000118322.14	54.61126695	-0.16562	0.589945	-0.28074	0.778911
ENSG00000154928.18	54.66348092	0.510954	0.672711	0.759545	0.447527
ENSG00000124406.16	54.67168456	-0.88232	0.604412	-1.45979	0.144347
ENSG00000188158.16	54.68536302	-0.22617	0.600828	-0.37643	0.706595
ENSG00000260886.2	54.69291926	2.359709	0.776816	3.037668	0.002384
ENSG00000169851.15	54.70845922	0.996198	0.595275	1.67351	0.094227
ENSG00000274276.4	54.72106015	-2.80225	3.838415	-0.73005	0.465357
ENSG00000159423.17	54.73551	-0.18507	0.646902	-0.28608	0.774816
ENSG00000120278.16	54.76157416	-0.22503	0.607239	-0.37057	0.710956
ENSG00000106789.13	54.76231803	-0.33919	0.580882	-0.58393	0.559267
ENSG00000204991.11	54.78311344	0.041651	0.662693	0.062851	0.949886

ENSG00000250365.7	54.8232634	-9.38E-05	0.612585	-0.00015	0.999878
ENSG00000095981.11	54.83079413	-0.68358	0.604432	-1.13095	0.258076
ENSG00000152763.17	54.84443678	0.086373	0.623303	0.138574	0.889787
ENSG00000181450.18	54.8501201	-1.05818	0.583882	-1.81232	0.069937
ENSG00000196418.12	54.87051907	-0.12622	0.580938	-0.21726	0.828003
ENSG00000112294.14	54.88540997	0.00801	0.579713	0.013817	0.988976
ENSG0000011258.16	54.90227813	-0.05872	0.601401	-0.09765	0.922214
ENSG00000225210.10	54.91393023	-0.58711	0.618003	-0.95001	0.342106
ENSG00000196110.8	54.92286048	-0.09868	0.664803	-0.14844	0.881997
ENSG00000103319.12	54.92656667	-0.04533	0.578061	-0.07842	0.937493
ENSG00000136122.18	54.97885716	-0.4995	0.607336	-0.82244	0.410824
ENSG00000198945.8	54.98139092	0.700114	0.608256	1.151018	0.249725
ENSG00000147571.5	55.0048706	-0.77378	0.689033	-1.123	0.261439
ENSG00000248593.3	55.00760189	-0.03508	0.63415	-0.05532	0.955887
ENSG00000184465.16	55.00973392	0.057489	0.585359	0.098212	0.921764
ENSG00000113209.9	55.03033858	0.003963	0.698663	0.005673	0.995474
ENSG00000285935.1	55.04762803	-0.44538	0.612318	-0.72737	0.467
ENSG00000169071.15	55.04889135	0.536787	0.695544	0.77175	0.440262
ENSG00000083828.16	55.08179883	0.391362	0.579983	0.674783	0.499814
ENSG00000260570.1	55.08230653	0.741161	0.620302	1.19484	0.232149
ENSG00000171448.9	55.08241808	0.090906	0.585644	0.155224	0.876644
ENSG00000146350.14	55.12921752	0.666839	0.619185	1.076963	0.281497
ENSG00000279078.1	55.18622199	-0.54816	0.584442	-0.93793	0.348282
ENSG00000167384.10	55.19152094	0.498081	0.620582	0.802603	0.422204
ENSG00000170160.17	55.24629196	-0.08116	0.661942	-0.1226	0.902423
ENSG00000234684.7	55.24786007	-0.4177	0.591348	-0.70636	0.479967
ENSG00000183454.18	55.25106963	1.313368	0.875846	1.499542	0.133733
ENSG00000072952.18	55.25381612	0.595766	0.820093	0.726461	0.467556
ENSG00000154914.17	55.26580979	0.424184	0.612608	0.692424	0.488671
ENSG00000269891.2	55.289818	-1.1961	0.782394	-1.52878	0.12632
ENSG00000197162.10	55.29984705	0.655524	0.598442	1.095386	0.273348
ENSG00000178999.13	55.34171088	0.679768	0.678823	1.001393	0.316637
ENSG00000083067.22	55.34908394	-0.11046	0.592743	-0.18636	0.852166
ENSG00000070371.16	55.37499719	0.184917	0.668856	0.276468	0.782189
ENSG00000198331.11	55.42865289	-0.48189	0.615276	-0.7832	0.433507
ENSG00000272655.2	55.50662494	-0.19865	0.604657	-0.32854	0.742507
ENSG00000116147.17	55.50733728	1.01872	0.62898	1.619639	0.10531
ENSG00000231887.7	55.52409232	-0.60326	0.579983	-1.04013	0.29828
ENSG00000187566.6	55.54926882	0.775651	0.586388	1.32276	0.185915
ENSG00000226332.2	55.57357825	-0.32582	0.617668	-0.52751	0.597843
ENSG00000122254.7	55.59829419	-0.13171	0.599866	-0.21957	0.826203
ENSG00000272419.6	55.60938799	0.03814	0.620822	0.061435	0.951013
ENSG00000136492.9	55.619463	1.60461	0.660068	2.430975	0.015058
ENSG00000108984.15	55.61957191	-1.42681	0.594319	-2.40074	0.016362
ENSG00000286039.1	55.62644779	-0.06033	0.600183	-0.10052	0.919934
ENSG00000173611.18	55.65087884	-0.1936	0.580101	-0.33374	0.738578
ENSG00000148225.16	55.65728865	-0.44261	0.594157	-0.74494	0.456309
ENSG00000095370.20	55.69013224	-0.85265	0.593704	-1.43615	0.150959
ENSG00000253200.1	55.70262816	0.423534	0.612047	0.691996	0.48894
ENSG00000206077.12	55.73076805	-0.46623	0.787527	-0.59202	0.553839
ENSG00000255561.7	55.7517382	-1.07213	0.618448	-1.73358	0.082993
ENSG00000179104.9	55.75649224	-0.21056	0.574342	-0.36661	0.71391

ENSG00000240809.1	55.82896423	-0.61997	0.696071	-0.89067	0.373106
ENSG00000158050.5	55.85472173	0.326037	0.593484	0.549361	0.582758
ENSG00000171368.12	55.85815827	0.156832	0.653991	0.239808	0.810479
ENSG00000198346.11	55.91229	-0.49116	0.665659	-0.73786	0.460599
ENSG00000214193.11	55.99410281	1.712239	0.623205	2.747473	0.006006
ENSG00000162194.12	56.07786491	0.266661	0.620806	0.42954	0.66753
ENSG00000161243.9	56.12165113	-0.06215	0.585607	-0.10612	0.915486
ENSG00000162426.15	56.13378007	-0.94836	0.596564	-1.58971	0.1119
ENSG00000177453.7	56.16841234	-0.34323	0.642439	-0.53427	0.593156
ENSG00000126562.17	56.21417824	1.188898	0.677304	1.755339	0.079201
ENSG00000232044.7	56.25364425	1.012556	0.605524	1.672197	0.094485
ENSG00000143630.10	56.27649933	-0.07196	0.594343	-0.12107	0.903635
ENSG00000253882.6	56.30371682	0.17448	0.609083	0.286463	0.774523
ENSG00000151117.9	56.31993404	-0.32628	0.60117	-0.54274	0.587306
ENSG00000111846.18	56.32236188	0.111974	0.584484	0.191577	0.848074
ENSG00000136305.11	56.40066569	0.648773	0.590326	1.099007	0.271765
ENSG00000245648.2	56.4463594	-1.19187	0.689699	-1.7281	0.08397
ENSG00000172016.16	56.49843411	0.967117	0.601783	1.607087	0.108035
ENSG00000135423.13	56.52176945	-0.31019	0.620852	-0.49962	0.617345
ENSG00000180071.20	56.52768273	0.443952	0.591494	0.750561	0.452917
ENSG00000178700.9	56.56341265	0.105888	0.606189	0.174679	0.861332
ENSG00000112877.8	56.56542805	-0.17521	0.591164	-0.29638	0.766942
ENSG00000161939.19	56.58432556	0.18989	0.632032	0.300443	0.763839
ENSG00000162591.16	56.58628943	0.640729	0.583497	1.098085	0.272167
ENSG00000064763.11	56.5896878	0.216798	0.595064	0.364328	0.715613
ENSG00000247595.4	56.6747477	-0.00821	0.621184	-0.01322	0.989455
ENSG00000184786.6	56.67971429	1.078864	0.684304	1.576587	0.114891
ENSG00000204837.5	56.72362863	-1.13816	0.657594	-1.7308	0.083488
ENSG00000212916.4	56.72574026	0.381176	0.621654	0.613164	0.539768
ENSG00000198753.12	56.73184766	0.933114	0.62466	1.493797	0.135229
ENSG00000183856.11	56.78420502	1.433945	0.677141	2.117646	0.034205
ENSG00000268218.1	56.84870052	0.042784	0.624249	0.068537	0.945358
ENSG0000018869.17	56.87963104	0.256735	0.586655	0.437626	0.661658
ENSG00000105298.14	56.89285577	1.912133	0.623369	3.067419	0.002159
ENSG0000011243.18	56.89967872	0.186607	0.57541	0.324303	0.745709
ENSG00000106479.11	56.91196313	-0.49698	0.598203	-0.83079	0.40609
ENSG00000152926.15	56.92103182	-0.0304	0.587441	-0.05175	0.958726
ENSG00000228170.1	56.92330283	-0.52479	0.575807	-0.91139	0.36209
ENSG00000118473.22	56.93726214	0.696522	0.590474	1.179598	0.23816
ENSG00000228327.3	56.94138014	0.295937	0.582643	0.507922	0.611508
ENSG00000105085.11	56.98816699	0.895554	0.605127	1.479944	0.138888
ENSG00000180035.13	57.01487071	0.624438	0.598641	1.043092	0.296906
ENSG00000223547.10	57.02016233	0.067518	0.761611	0.088652	0.929358
ENSG00000198719.9	57.02346549	0.475581	0.732236	0.649492	0.51602
ENSG00000239523.6	57.03018029	0.502149	0.591864	0.848419	0.396204
ENSG00000263843.1	57.03910819	-0.44318	0.584578	-0.75812	0.448381
ENSG00000150477.15	57.06455409	-0.07133	0.580618	-0.12285	0.902225
ENSG00000154358.21	57.10553734	-0.54997	0.597036	-0.92116	0.356965
ENSG00000087301.9	57.12743842	-0.29925	0.602968	-0.49629	0.619692
ENSG00000137691.13	57.14398765	-0.21082	0.586195	-0.35964	0.719118
ENSG00000180346.3	57.16644442	0.490705	0.571556	0.858543	0.390593
ENSG00000135362.14	57.1833755	-0.03736	0.585498	-0.0638	0.949126

ENSG00000183780.13	57.1844327	0.590364	0.590782	0.999292	0.317653
ENSG00000249319.2	57.18818363	-0.46866	0.585455	-0.80051	0.423415
ENSG00000135537.17	57.21003045	-1.70206	0.660512	-2.57688	0.00997
ENSG00000227741.1	57.23618126	-0.49354	0.672517	-0.73387	0.463031
ENSG00000265479.7	57.24750268	0.066664	0.579752	0.114988	0.908455
ENSG00000163626.17	57.24804533	-0.3497	0.569725	-0.6138	0.539349
ENSG00000130413.15	57.26767452	-0.03364	0.59757	-0.05629	0.955112
ENSG00000095383.20	57.28072306	0.589482	0.582228	1.01246	0.311318
ENSG00000205364.4	57.36795407	-0.01499	0.621996	-0.02409	0.980777
ENSG00000167644.12	57.37720116	0.701095	0.680908	1.029647	0.303176
ENSG00000250069.1	57.41013264	0.332272	0.574865	0.578	0.563264
ENSG00000135801.9	57.43269019	0.236427	0.582711	0.405737	0.684936
ENSG00000164430.16	57.43769346	0.482147	0.593635	0.812194	0.41668
ENSG00000158691.14	57.47810958	-0.29209	0.598145	-0.48833	0.625315
ENSG00000189319.14	57.48240057	0.480411	0.572479	0.839177	0.40137
ENSG00000196653.12	57.49226102	-0.67069	0.585204	-1.14608	0.251764
ENSG00000146955.11	57.49257006	-0.11194	0.660004	-0.1696	0.865323
ENSG00000168005.9	57.49996478	0.639085	0.570742	1.119745	0.262823
ENSG00000102287.19	57.50935185	0.108195	0.619307	0.174703	0.861313
ENSG00000184083.12	57.55111992	0.274458	0.622772	0.440704	0.659428
ENSG00000136630.13	57.55766419	-0.29565	0.597131	-0.49512	0.620514
ENSG00000250988.7	57.56034683	0.639551	0.59702	1.071238	0.284063
ENSG00000204576.12	57.57420174	-0.06005	0.57489	-0.10446	0.916807
ENSG00000100151.16	57.60626699	0.670177	0.62467	1.072849	0.283339
ENSG00000081386.12	57.65135643	0.077956	0.61473	0.126813	0.899088
ENSG00000054219.11	57.6796932	-0.37353	0.596901	-0.62579	0.531455
ENSG00000157399.16	57.69264225	-0.31517	0.586435	-0.53743	0.590974
ENSG00000235257.9	57.70311116	0.405585	0.598345	0.677846	0.49787
ENSG00000143429.10	57.71175816	0.576739	0.583053	0.98917	0.32258
ENSG00000198934.5	57.72307292	0.049837	0.664969	0.074946	0.940258
ENSG00000183621.15	57.74183299	-1.29476	0.619246	-2.09087	0.03654
ENSG00000186792.17	57.76567618	0.043968	0.583069	0.075408	0.93989
ENSG00000125144.14	57.77136417	-0.49259	0.661416	-0.74475	0.456425
ENSG00000171016.12	57.77140253	-0.94193	0.58343	-1.61447	0.106425
ENSG00000186376.15	57.78411619	-0.29734	0.609855	-0.48756	0.625861
ENSG00000270117.1	57.7908364	-2.14424	0.711307	-3.0145	0.002574
ENSG00000188372.15	57.79523253	-0.15925	0.599362	-0.2657	0.790471
ENSG00000121316.11	57.81014656	-1.33624	0.644076	-2.07465	0.038019
ENSG00000175548.9	57.83320426	-0.18388	0.661034	-0.27818	0.780877
ENSG00000229852.4	57.85224057	0.734755	0.649466	1.131321	0.25792
ENSG00000238142.2	57.86763943	-0.03162	0.613206	-0.05156	0.958877
ENSG00000226085.3	57.8716102	0.243177	0.698792	0.347997	0.727842
ENSG00000197943.10	57.91390711	0.050839	0.60155	0.084513	0.932648
ENSG00000021645.19	57.91530735	0.024438	0.569955	0.042877	0.9658
ENSG00000064547.14	57.92745765	-0.18369	0.58462	-0.3142	0.753371
ENSG00000134780.10	57.96543096	0.227454	0.605868	0.375418	0.707349
ENSG00000150782.12	58.11325154	-0.28544	0.681482	-0.41885	0.675322
ENSG00000255330.9	58.12517789	-0.24612	0.573346	-0.42927	0.667725
ENSG00000184060.11	58.1411678	-0.78077	0.570907	-1.36759	0.17144
ENSG00000288602.1	58.14365349	-1.14525	1.864995	-0.61408	0.539166
ENSG00000185015.8	58.15364675	-0.09085	0.639035	-0.14217	0.886944
ENSG00000245556.3	58.15749828	0.971551	0.567915	1.710734	0.08713

ENSG00000285816.1	58.20145453	-0.04694	0.738793	-0.06353	0.949343
ENSG00000155970.12	58.20515976	0.488033	0.591545	0.825014	0.409364
ENSG00000231298.7	58.21713153	0.288641	0.631525	0.457054	0.647632
ENSG00000164078.13	58.22090302	0.388617	0.617197	0.629648	0.528925
ENSG00000115526.11	58.25429801	1.028686	0.594532	1.730246	0.083586
ENSG00000118369.13	58.28149598	0.845428	0.590604	1.431462	0.152298
ENSG00000090238.12	58.28495326	0.166986	0.659355	0.253256	0.80007
ENSG00000157423.18	58.33128269	-0.2415	0.59603	-0.40519	0.685341
ENSG00000285926.1	58.35880408	-0.2063	0.570947	-0.36134	0.717849
ENSG00000126016.15	58.36001649	0.049655	0.59224	0.083843	0.933181
ENSG00000279296.1	58.3680087	-0.37001	0.679661	-0.54441	0.586161
ENSG00000074211.14	58.38128292	0.102998	0.635971	0.161953	0.871343
ENSG00000109321.11	58.38797629	0.562398	0.620013	0.907075	0.364367
ENSG00000280383.1	58.38919663	1.135061	0.649751	1.746917	0.080652
ENSG00000128694.12	58.43248494	-0.11303	0.608833	-0.18566	0.852714
ENSG00000175556.17	58.44211966	-0.71886	0.623281	-1.15335	0.248767
ENSG00000258725.2	58.46688156	0.527041	0.595976	0.884332	0.376517
ENSG00000186364.12	58.49581344	-0.32799	0.601997	-0.54484	0.585863
ENSG00000123411.15	58.51977421	0.400651	0.597862	0.67014	0.502769
ENSG00000008323.15	58.52484878	0.756932	0.651548	1.161743	0.24534
ENSG00000103449.12	58.53615746	2.581941	0.697407	3.702199	0.000214
ENSG00000272009.1	58.54836488	-0.32067	0.567826	-0.56473	0.572256
ENSG00000183778.17	58.56957389	1.170318	0.637602	1.835501	0.066432
ENSG00000235863.4	58.57156559	-0.19477	0.613804	-0.31732	0.751001
ENSG00000198948.12	58.57993501	0.451922	0.699922	0.645674	0.51849
ENSG00000185158.12	58.59404517	-0.06613	0.567138	-0.1166	0.907176
ENSG00000153707.17	58.62139953	0.242288	0.566916	0.427378	0.669104
ENSG00000049249.9	58.62205669	-0.71181	0.737143	-0.96563	0.33423
ENSG00000189164.15	58.70603425	-0.54287	0.634068	-0.85617	0.391905
ENSG00000089723.10	58.74053953	-0.19933	0.592975	-0.33615	0.736758
ENSG00000261790.2	58.76280322	0.138441	0.625251	0.221416	0.824768
ENSG00000139890.10	58.79713343	0.782139	0.625488	1.250446	0.211137
ENSG00000250120.8	58.80876103	0.646762	0.716496	0.902674	0.366699
ENSG00000116990.11	58.82033798	0.15182	0.728661	0.208355	0.834952
ENSG00000285752.1	58.83678157	-0.37962	0.581077	-0.65331	0.513559
ENSG00000127586.17	58.8576264	1.039421	0.587794	1.768341	0.077004
ENSG00000120251.20	58.86208673	0.351103	0.574249	0.611413	0.540926
ENSG00000134253.10	58.86536775	-0.11268	0.599255	-0.18803	0.85085
ENSG00000149970.16	58.89740994	0.277066	0.582633	0.475541	0.634401
ENSG00000186462.9	58.89948685	0.484627	0.61304	0.790531	0.429218
ENSG00000197808.12	58.90998016	-0.76254	0.655779	-1.1628	0.24491
ENSG00000169635.10	58.91890475	0.316266	0.605717	0.522136	0.601576
ENSG00000227014.6	58.95434408	-0.4056	0.576282	-0.70383	0.481539
ENSG00000177380.14	58.97821714	0.558856	0.572804	0.97565	0.329238
ENSG00000111554.14	58.99189066	-0.22428	0.577455	-0.38839	0.697729
ENSG00000083307.12	59.03199181	0.264545	0.632373	0.418337	0.675701
ENSG00000145526.12	59.045382	0.101893	0.598385	0.170279	0.86479
ENSG00000261884.2	59.07609669	-0.44985	0.564252	-0.79725	0.425308
ENSG00000118557.16	59.07844495	0.864189	0.592778	1.457864	0.144878
ENSG00000116525.14	59.07870741	-0.63565	0.623871	-1.01888	0.308261
ENSG00000166831.9	59.08132441	-0.27986	0.582237	-0.48066	0.630758
ENSG00000117650.13	59.08225592	0.875967	0.683261	1.282038	0.199829

ENSG00000163808.17	59.08473689	0.614841	0.679456	0.904902	0.365517
ENSG00000252690.3	59.11185435	-0.36898	0.578319	-0.63802	0.523464
ENSG00000188687.17	59.11226383	-0.39978	0.580944	-0.68815	0.491359
ENSG00000169570.10	59.11555979	-0.44014	0.651467	-0.67562	0.499282
ENSG00000184988.8	59.1253777	0.300149	0.574985	0.522011	0.601662
ENSG00000231028.9	59.13241514	0.230248	0.575784	0.399887	0.68924
ENSG00000235453.10	59.13266576	0.413054	0.564954	0.731129	0.4647
ENSG00000182132.14	59.17273984	-0.42221	0.625422	-0.67508	0.499623
ENSG00000169744.13	59.17622827	0.973247	0.613267	1.586986	0.112516
ENSG00000163328.13	59.17947911	0.352948	0.609738	0.578853	0.562689
ENSG00000073169.14	59.1871602	0.462618	0.574034	0.805907	0.420296
ENSG00000104936.19	59.20384292	1.423245	0.596436	2.38625	0.017021
ENSG00000085644.14	59.22140989	0.102755	0.576269	0.178312	0.858478
ENSG00000224985.1	59.23865472	-0.40204	0.586085	-0.68597	0.492734
ENSG00000133250.14	59.26183578	0.737921	0.611611	1.206519	0.227617
ENSG00000173947.14	59.31149917	-0.28077	0.580805	-0.48342	0.628799
ENSG00000168824.14	59.32020517	-1.09921	0.582068	-1.88845	0.058965
ENSG00000262943.7	59.3605365	0.23566	0.571861	0.412093	0.680272
ENSG00000087095.13	59.36664218	-0.26254	0.577659	-0.45448	0.64948
ENSG00000178096.9	59.38912148	0.137772	0.610334	0.225732	0.82141
ENSG00000272831.1	59.42639094	-0.00187	0.590831	-0.00317	0.99747
ENSG00000181690.8	59.43978907	-0.44838	0.67668	-0.66262	0.507573
ENSG00000139364.10	59.44548446	0.338887	0.623817	0.543247	0.58696
ENSG00000132122.12	59.46637122	-0.82226	0.576173	-1.42711	0.153549
ENSG00000224616.3	59.47523419	-0.13992	0.622037	-0.22494	0.822025
ENSG00000120658.13	59.49741172	-0.34487	0.587481	-0.58703	0.557185
ENSG00000232810.4	59.50547848	0.081634	0.592957	0.137673	0.890499
ENSG00000010704.18	59.50769417	-0.45604	0.579606	-0.78681	0.431392
ENSG00000164850.15	59.5083853	-0.21128	0.593488	-0.35599	0.721847
ENSG00000253320.7	59.5253262	-0.24675	0.582954	-0.42327	0.672095
ENSG00000274605.2	59.5703112	0.875801	0.620114	1.412322	0.157855
ENSG00000132535.21	59.57218294	0.267583	0.627909	0.42615	0.669999
ENSG00000179361.17	59.57232063	0.034116	0.564375	0.06045	0.951797
ENSG00000173175.15	59.59443884	0.164656	0.616407	0.267122	0.789375
ENSG00000237248.5	59.60645107	0.078416	0.611946	0.128142	0.898036
ENSG00000158014.15	59.65226258	-0.10225	0.71099	-0.14381	0.885651
ENSG00000188707.6	59.66126298	-0.2147	0.672781	-0.31912	0.749633
ENSG00000136274.9	59.6682251	0.652606	0.566494	1.152008	0.249318
ENSG00000257084.1	59.72733611	1.805307	0.654992	2.75623	0.005847
ENSG00000078081.8	59.73047643	-0.48022	0.583371	-0.82317	0.410409
ENSG00000152433.15	59.73615277	-0.16035	0.574284	-0.27921	0.780083
ENSG00000100478.15	59.74077698	-0.16383	0.626023	-0.26169	0.793558
ENSG00000225614.4	59.74469133	0.438443	0.58295	0.752112	0.451984
ENSG00000235706.8	59.75751723	0.017586	0.635733	0.027663	0.977931
ENSG00000247271.7	59.80444674	0.147628	0.591259	0.249684	0.802831
ENSG00000124208.16	59.80728069	-9.69708	3.845204	-2.52186	0.011673
ENSG00000186281.12	59.8162017	0.220604	0.571664	0.385897	0.699573
ENSG00000196247.11	59.8332696	0.071843	0.570659	0.125895	0.899815
ENSG00000275342.5	59.83670631	0.006025	0.594874	0.010128	0.991919
ENSG00000169992.10	59.88134009	0.220607	0.57069	0.386562	0.699081
ENSG00000204622.11	59.89696126	0.141979	0.569109	0.249476	0.802993
ENSG00000179456.10	59.89815012	0.174524	0.592848	0.294382	0.768466

ENSG00000155592.16	59.90249873	0.01172	0.573322	0.020442	0.98369
ENSG00000138030.13	59.91274784	-1.2295	0.584651	-2.10297	0.035468
ENSG00000205903.7	59.96104611	0.418024	0.587229	0.711859	0.476552
ENSG00000241749.4	59.98341381	0.489425	0.65442	0.747875	0.454536
ENSG00000172244.9	59.99228677	-0.10009	0.597078	-0.16763	0.866875
ENSG00000105516.11	60.00018821	0.220115	0.629721	0.349543	0.726682
ENSG00000250742.4	60.02358277	0.567542	0.569499	0.996563	0.318977
ENSG00000105519.18	60.08895306	-0.49887	0.569965	-0.87527	0.381426
ENSG00000165124.18	60.11497365	0.439791	0.581983	0.755678	0.449842
ENSG00000041353.10	60.12930814	0.430131	0.733313	0.586558	0.557501
ENSG00000182175.14	60.13773474	-0.80983	0.637312	-1.27069	0.203839
ENSG00000272602.6	60.14714853	-0.71473	0.580006	-1.23228	0.217846
ENSG00000165359.15	60.14887824	-0.57178	0.597145	-0.95752	0.338306
ENSG00000213793.5	60.15543757	-0.36074	0.609552	-0.59181	0.55398
ENSG00000105963.15	60.21993138	0.15198	0.561279	0.270775	0.786564
ENSG00000183506.17	60.26013312	1.124174	0.662757	1.696207	0.089847
ENSG00000123612.16	60.2708298	-0.31555	0.591826	-0.53318	0.593907
ENSG00000123473.16	60.27229353	1.019496	0.624472	1.632572	0.102559
ENSG00000116985.12	60.27475189	-0.10375	0.573782	-0.18082	0.856505
ENSG00000160345.13	60.27606537	-0.31627	0.559267	-0.5655	0.571733
ENSG00000145103.15	60.28577949	-0.32505	0.606654	-0.53581	0.592093
ENSG00000280649.2	60.31100528	0.009451	0.564161	0.016752	0.986634
ENSG00000227232.5	60.3312598	-1.64277	0.744971	-2.20515	0.027444
ENSG00000141401.12	60.36006117	0.365436	0.60938	0.599686	0.548716
ENSG00000279246.1	60.37341401	0.252268	0.585647	0.430751	0.666649
ENSG00000176490.5	60.41705459	0.484725	0.591327	0.819723	0.412374
ENSG00000158023.10	60.48287953	0.136507	0.617659	0.221007	0.825087
ENSG00000123500.10	60.49489692	-0.12859	0.725218	-0.17732	0.85926
ENSG00000106123.12	60.50630166	0.33957	0.6242	0.544009	0.586435
ENSG00000167524.16	60.52172292	0.136591	0.591169	0.231051	0.817275
ENSG00000126746.17	60.54192499	0.811252	0.606084	1.338512	0.180729
ENSG00000129596.5	60.65212268	-0.13477	0.616236	-0.21871	0.826879
ENSG00000286264.2	60.66967738	-0.0467	0.722835	-0.06461	0.948486
ENSG00000171428.15	60.69172989	0.152728	0.564122	0.270736	0.786594
ENSG00000196814.15	60.719622	0.555629	0.615899	0.902144	0.36698
ENSG00000145214.14	60.80475312	0.422471	0.567897	0.743921	0.456924
ENSG00000171960.11	60.85080943	0.245269	0.575821	0.425946	0.670147
ENSG00000154736.6	60.88589427	0.783252	0.596597	1.312866	0.189228
ENSG00000165655.17	60.89514187	0.965126	0.610101	1.581911	0.11367
ENSG00000266677.1	60.90620198	-0.06117	0.710892	-0.08604	0.931432
ENSG00000284308.1	60.90860447	-0.31752	0.565514	-0.56147	0.574474
ENSG00000122986.14	60.98463271	-0.66184	0.591474	-1.11896	0.263155
ENSG00000268292.1	60.98529027	-0.51625	0.615645	-0.83855	0.401725
ENSG00000164663.14	61.01011819	-0.03019	0.595142	-0.05072	0.959549
ENSG00000130699.18	61.01353125	0.620516	0.56804	1.092381	0.274666
ENSG00000267254.7	61.03694774	-0.02858	0.559588	-0.05107	0.959266
ENSG00000186523.14	61.1226294	-0.17889	0.588855	-0.3038	0.76128
ENSG00000078053.17	61.13570579	-0.15313	0.576245	-0.26574	0.790439
ENSG00000146021.15	61.14026753	0.05452	0.576246	0.094613	0.924622
ENSG00000031691.7	61.16243759	-0.05222	0.567266	-0.09205	0.92666
ENSG00000177432.8	61.16787216	0.112826	0.640311	0.176204	0.860133
ENSG00000174749.6	61.20290632	1.231381	0.581738	2.11673	0.034283

ENSG00000214756.8	61.21330215	0.918074	0.661318	1.388247	0.165062
ENSG00000145029.14	61.22713082	-0.96387	0.692711	-1.39144	0.164091
ENSG00000113319.13	61.23107557	0.527743	0.602521	0.875893	0.381088
ENSG00000171649.12	61.25905251	0.330073	0.652883	0.505563	0.613164
ENSG00000064687.13	61.26525018	1.37241	0.577825	2.375129	0.017543
ENSG00000185339.9	61.29494199	-0.51694	0.58172	-0.88864	0.374195
ENSG00000198185.11	61.33114804	-0.46868	0.562901	-0.83262	0.405061
ENSG00000158555.15	61.34468777	0.557321	0.571294	0.975542	0.329292
ENSG00000223804.5	61.3772875	0.73282	0.611643	1.198117	0.230872
ENSG00000151789.12	61.43314814	-0.78864	0.625169	-1.26148	0.207134
ENSG00000288349.1	61.44276562	0.737329	0.630324	1.169762	0.242097
ENSG00000185495.10	61.45005364	-0.4436	0.560659	-0.79121	0.428821
ENSG00000278233.1	61.50149951	2.051617	0.845253	2.427222	0.015215
ENSG00000184716.13	61.5112056	0.152095	0.594054	0.256029	0.797928
ENSG00000185745.10	61.54031735	-0.17958	0.561975	-0.31956	0.749305
ENSG00000139675.12	61.56975969	-0.1584	0.560284	-0.28272	0.777394
ENSG00000145362.20	61.57766602	1.111948	0.70896	1.568421	0.116783
ENSG00000103056.12	61.5998515	0.576842	0.640064	0.901225	0.367469
ENSG00000187957.8	61.61788741	0.103585	0.605741	0.171006	0.864219
ENSG00000140832.10	61.62597525	1.144956	0.563871	2.030527	0.042303
ENSG00000090447.12	61.64756854	-0.59692	0.57592	-1.03646	0.299986
ENSG00000196700.9	61.65923321	0.973219	0.590825	1.647221	0.099513
ENSG00000142920.17	61.66151941	-0.1293	0.588928	-0.21955	0.826219
ENSG00000260280.5	61.6778962	0.273686	0.572314	0.478209	0.632501
ENSG00000224186.8	61.68465699	-0.04105	0.570073	-0.07201	0.942596
ENSG00000071246.11	61.68536914	0.31923	0.612836	0.520906	0.602432
ENSG00000123096.12	61.69416305	-0.08399	0.584747	-0.14364	0.885783
ENSG00000224837.1	61.71999404	-0.98005	0.608508	-1.61057	0.107273
ENSG00000278318.5	61.78439393	-0.49668	0.600527	-0.82707	0.408196
ENSG00000260231.2	61.78629502	1.017263	0.607966	1.673222	0.094284
ENSG00000163520.14	61.81632907	0.438459	0.598972	0.732019	0.464157
ENSG00000176920.13	61.83720976	0.901494	0.720088	1.251922	0.210598
ENSG00000256977.12	61.83980681	-0.31116	0.574014	-0.54208	0.587762
ENSG00000129295.9	61.84270647	-0.762	0.585137	-1.30226	0.192829
ENSG00000156970.13	61.92280562	0.601039	0.667379	0.900597	0.367802
ENSG00000165752.17	61.92535266	0.681519	0.556066	1.225609	0.220346
ENSG00000166188.2	61.99205009	0.058371	0.560443	0.104152	0.917048
ENSG00000225335.3	61.99218276	-0.7004	0.557048	-1.25735	0.208628
ENSG00000273398.6	61.99796998	-0.19913	0.553139	-0.36001	0.718842
ENSG00000172817.4	62.00115081	-1.02308	0.649273	-1.57574	0.115086
ENSG00000256034.1	62.00310594	-1.67292	0.640725	-2.61098	0.009028
ENSG00000198093.11	62.05770372	0.184635	0.562662	0.328146	0.742801
ENSG00000197016.12	62.09396285	-0.27994	0.628933	-0.44511	0.656243
ENSG00000159147.18	62.09964274	0.729951	0.575501	1.268373	0.204665
ENSG00000213904.9	62.11215992	-0.56069	0.572786	-0.97889	0.327635
ENSG00000105750.15	62.21812028	-0.57784	0.581109	-0.99437	0.320044
ENSG00000168067.12	62.22878112	0.870391	0.586647	1.483672	0.137896
ENSG00000171450.6	62.24180862	1.509446	0.661649	2.281339	0.022528
ENSG00000169621.10	62.28126479	-0.44167	0.563283	-0.78409	0.432987
ENSG00000100342.21	62.29895794	-0.07362	0.585914	-0.12565	0.900006
ENSG00000076555.15	62.34561398	0.738203	0.62451	1.182052	0.237185
ENSG00000167674.15	62.36374577	1.080968	0.577627	1.871395	0.06129

ENSG00000119514.7	62.38350695	-0.17461	0.644367	-0.27098	0.786408
ENSG00000215156.5	62.4006891	0.793815	0.599169	1.324859	0.185218
ENSG00000099381.18	62.40424509	0.709547	0.583849	1.215293	0.224254
ENSG00000132026.14	62.40914535	-1.15689	0.669925	-1.72689	0.084187
ENSG00000108511.10	62.41541287	-0.50021	0.635268	-0.78739	0.431051
ENSG00000272807.1	62.4162511	-0.55808	0.699027	-0.79837	0.424654
ENSG00000142611.17	62.42070911	-0.10562	0.644387	-0.1639	0.869807
ENSG00000138380.18	62.44868496	-0.59532	0.580333	-1.02583	0.304973
ENSG00000263873.1	62.44901003	-0.3898	0.647388	-0.60211	0.5471
ENSG00000170099.6	62.45827019	-0.80412	0.648488	-1.23999	0.21498
ENSG00000269929.3	62.4628365	1.570861	0.623627	2.518911	0.011772
ENSG00000166689.16	62.49572345	-0.04869	0.571116	-0.08526	0.932057
ENSG00000146950.13	62.52413923	0.228106	0.554997	0.411003	0.68107
ENSG00000285106.2	62.52992519	0.166735	0.623215	0.26754	0.789053
ENSG00000187824.9	62.5334059	-0.68756	0.562818	-1.22165	0.221841
ENSG00000133460.19	62.55936034	0.02266	0.589143	0.038463	0.969319
ENSG00000160229.13	62.56279603	0.431967	0.585748	0.737463	0.460841
ENSG00000145375.9	62.567425	-0.57835	0.557812	-1.03682	0.299821
ENSG00000182318.6	62.57713489	-0.2115	0.571883	-0.36984	0.711503
ENSG00000196263.8	62.58668435	0.200582	0.566309	0.354192	0.723195
ENSG00000147509.14	62.58771033	-0.75662	0.559604	-1.35207	0.176353
ENSG00000185115.6	62.61780632	1.068501	0.559915	1.908325	0.056349
ENSG00000142731.11	62.64211848	0.829599	0.601481	1.37926	0.167815
ENSG00000124780.14	62.64915717	0.381197	0.586518	0.649932	0.515736
ENSG00000278129.2	62.65614785	0.074133	0.570785	0.12988	0.896662
ENSG00000197372.10	62.66267495	-0.57235	0.635552	-0.90056	0.367823
ENSG00000196220.16	62.6640614	-0.70713	0.763666	-0.92597	0.354461
ENSG00000222011.9	62.66765215	-0.58782	0.552453	-1.06402	0.287321
ENSG00000185499.16	62.69846751	0.294859	0.637655	0.462411	0.643787
ENSG00000264112.1	62.74290245	-0.18609	0.571831	-0.32543	0.744858
ENSG00000101452.15	62.75742652	-0.16667	0.56514	-0.29492	0.768056
ENSG00000254929.6	62.77579462	-1.16463	0.6818	-1.70817	0.087604
ENSG00000138080.14	62.78640223	0.959759	0.631868	1.518922	0.128782
ENSG00000006534.16	62.81317951	0.255676	0.605241	0.422436	0.672707
ENSG00000283117.1	62.8814395	-0.17671	0.614221	-0.2877	0.773575
ENSG00000178338.11	62.92338759	-0.07455	0.560513	-0.13301	0.894188
ENSG00000229689.3	62.93311706	-0.53883	0.56916	-0.94672	0.343783
ENSG00000235288.3	62.94949171	0.774521	0.871668	0.88855	0.374245
ENSG00000147536.12	62.95691322	-0.21764	0.675215	-0.32233	0.747202
ENSG00000101189.7	62.96664813	0.786265	0.601775	1.306578	0.191356
ENSG00000171121.16	62.97200977	0.113334	0.58182	0.194792	0.845556
ENSG00000106459.15	62.98108182	-0.60989	0.558035	-1.09293	0.274426
ENSG00000233098.9	62.98635069	0.407307	0.590579	0.689674	0.490399
ENSG00000181513.15	63.07614577	-0.11356	0.587486	-0.1933	0.846722
ENSG00000171033.13	63.14423856	-0.30975	0.632811	-0.48948	0.624501
ENSG00000180354.16	63.18236143	-0.05282	0.58539	-0.09023	0.928102
ENSG00000243406.6	63.20561759	-1.25759	0.571986	-2.19863	0.027904
ENSG00000242498.8	63.20870874	0.197072	0.553176	0.356256	0.721649
ENSG00000123453.18	63.21445846	0.685757	0.62097	1.104332	0.269449
ENSG00000236432.8	63.26448472	-0.96222	0.554062	-1.73667	0.082445
ENSG00000188493.15	63.26622861	0.082776	0.588669	0.140615	0.888174
ENSG00000267080.6	63.27794386	0.174629	0.577176	0.302558	0.762227

ENSG00000204967.12	63.28698029	-0.25026	0.594383	-0.42105	0.673721
ENSG00000108823.16	63.32231503	0.622954	0.648643	0.960397	0.336856
ENSG00000185818.8	63.33094817	1.02292	0.574515	1.780493	0.074995
ENSG00000123810.9	63.33945605	-0.27592	0.554477	-0.49762	0.618753
ENSG00000213297.8	63.41396318	-0.23605	0.575318	-0.4103	0.681585
ENSG00000172159.16	63.42552295	-0.57685	0.587787	-0.98139	0.326399
ENSG00000223509.8	63.44827376	-0.00908	0.560802	-0.0162	0.987078
ENSG00000101057.16	63.47216043	0.342402	0.583095	0.587214	0.55706
ENSG00000145014.17	63.4745465	-0.12258	0.560805	-0.21858	0.826981
ENSG00000142065.14	63.4819874	0.04389	0.687537	0.063837	0.9491
ENSG00000168826.16	63.54294959	-0.58317	0.578536	-1.00801	0.313448
ENSG00000099953.10	63.54891282	-0.0447	0.575563	-0.07767	0.938094
ENSG00000285851.1	63.55505429	-0.63813	0.585459	-1.08996	0.27573
ENSG00000271984.1	63.5694331	-0.62668	0.60496	-1.0359	0.300249
ENSG00000214050.8	63.57438655	-0.35807	0.638259	-0.56101	0.574791
ENSG00000163686.15	63.65398852	0.139912	0.55522	0.251993	0.801046
ENSG00000146826.17	63.70132608	1.34813	0.595412	2.264195	0.023562
ENSG00000141577.14	63.75927346	1.293732	0.580387	2.229084	0.025808
ENSG00000119698.12	63.76235595	0.14265	0.583985	0.24427	0.807022
ENSG00000169220.18	63.76997848	-1.22585	0.597132	-2.0529	0.040082
ENSG00000204920.11	63.79538016	0.029403	0.550885	0.053375	0.957433
ENSG00000247903.1	63.79789389	0.269241	0.558382	0.482181	0.629678
ENSG00000270194.1	63.83796093	-0.64357	0.562213	-1.14471	0.252329
ENSG00000129219.14	63.84603699	0.781212	0.548995	1.422984	0.154741
ENSG00000182712.16	63.86639878	-0.02054	0.574178	-0.03578	0.971457
ENSG00000156564.9	63.88450379	-0.16364	0.638529	-0.25628	0.797734
ENSG00000176749.9	63.89314516	0.331649	0.559905	0.592331	0.553629
ENSG00000189007.16	63.94659133	0.026938	0.571578	0.047129	0.96241
ENSG00000105722.10	63.96099826	0.460852	0.562786	0.818876	0.412857
ENSG00000100290.3	63.9699397	-0.59302	0.581345	-1.02009	0.307688
ENSG00000149328.15	64.00598839	-0.81196	0.586486	-1.38445	0.16622
ENSG00000261716.2	64.04702006	1.218417	0.611443	1.992692	0.046295
ENSG00000121068.14	64.09805341	1.702958	0.706599	2.410078	0.015949
ENSG00000137185.13	64.15663068	0.276148	0.572358	0.482473	0.62947
ENSG00000163864.17	64.15765804	-0.11224	0.572634	-0.19601	0.844599
ENSG00000204767.4	64.21548695	0.719232	0.616005	1.167574	0.242979
ENSG00000188321.13	64.27460783	-0.10255	0.585419	-0.17517	0.860949
ENSG00000282057.1	64.27525144	0.80778	0.642138	1.257955	0.208408
ENSG00000237296.9	64.27594941	-0.96858	0.585973	-1.65294	0.098342
ENSG00000261659.2	64.34153578	0.185493	0.552458	0.33576	0.737052
ENSG00000197568.14	64.35163762	-0.60476	0.555343	-1.08898	0.276164
ENSG00000162073.14	64.40130205	0.90166	0.557014	1.618739	0.105503
ENSG00000167136.7	64.48132359	0.185418	0.550264	0.336962	0.736145
ENSG00000204632.11	64.49037266	0.93589	0.591096	1.583312	0.11335
ENSG00000166979.13	64.49046873	0.538999	0.547976	0.983617	0.325304
ENSG00000162437.14	64.50290953	0.289632	0.553125	0.523628	0.600537
ENSG00000173320.12	64.51362495	-0.69613	0.669366	-1.03999	0.298346
ENSG00000100167.20	64.52674523	-0.767	0.556326	-1.37869	0.16799
ENSG00000120784.16	64.59047773	-0.24708	0.556436	-0.44403	0.65702
ENSG00000205544.4	64.59431926	0.578511	0.562179	1.02905	0.303456
ENSG00000182095.14	64.60657309	0.522748	0.557325	0.937959	0.348265
ENSG00000188566.14	64.62292667	-0.08956	0.565147	-0.15847	0.874089

ENSG00000271895.2	64.65250266	0.257102	0.617615	0.416282	0.677204
ENSG00000138769.11	64.67709869	-0.58017	0.667926	-0.86861	0.385061
ENSG00000225032.5	64.6796719	-0.46512	0.640716	-0.72594	0.467877
ENSG00000109819.9	64.68640901	0.173654	0.782879	0.221815	0.824458
ENSG00000167487.12	64.75475046	-0.25753	0.598462	-0.43032	0.666696
ENSG00000112981.5	64.77042348	-0.17969	0.552724	-0.3251	0.745102
ENSG00000170786.12	64.78410657	-0.51988	0.601024	-0.86498	0.387049
ENSG00000182405.6	64.80229108	0.328397	0.578864	0.567313	0.570501
ENSG00000214900.11	64.82864349	-0.48844	0.590137	-0.82767	0.407857
ENSG00000169252.5	64.84588606	-0.30964	0.604516	-0.51221	0.608503
ENSG00000270757.1	64.85033202	0.201774	2.035391	0.099133	0.921033
ENSG00000131187.10	64.89908801	0.059812	0.592325	0.100979	0.919567
ENSG00000196639.6	64.90911055	0.394261	0.620184	0.635716	0.524961
ENSG00000111058.8	64.94052961	0.498574	0.591409	0.843028	0.399213
ENSG00000108733.11	64.94225805	0.304416	0.545452	0.558099	0.576777
ENSG00000170631.15	64.95975533	-0.33582	0.550571	-0.60995	0.541897
ENSG00000056998.20	64.97956712	-0.23082	0.623469	-0.37021	0.711223
ENSG00000138738.10	65.01901048	-0.56676	0.584891	-0.969	0.332545
ENSG00000172456.18	65.02679264	-0.28786	0.566415	-0.50821	0.611306
ENSG00000269743.3	65.03928672	0.679525	0.555287	1.223737	0.221052
ENSG00000015133.19	65.0844029	0.024986	0.572365	0.043655	0.96518
ENSG00000170264.13	65.13709688	-0.16046	0.550899	-0.29127	0.770844
ENSG00000132821.12	65.14016223	0.825316	0.552257	1.494443	0.13506
ENSG00000160284.15	65.1404102	0.123455	0.551501	0.223853	0.822872
ENSG00000183496.6	65.19661768	-0.21035	0.555945	-0.37836	0.705164
ENSG00000164136.17	65.21223151	-0.41117	0.559217	-0.73527	0.462178
ENSG00000261801.6	65.23199453	-0.36628	0.584484	-0.62667	0.530877
ENSG00000133895.16	65.23902153	0.656382	0.557127	1.178156	0.238734
ENSG00000163013.11	65.28576826	0.516049	0.55108	0.936432	0.349051
ENSG00000178038.17	65.29847035	-0.66918	0.559213	-1.19664	0.231446
ENSG00000106571.14	65.31949156	0.935823	0.621399	1.505993	0.132069
ENSG00000215861.6	65.35347872	-0.0912	0.588732	-0.15491	0.876895
ENSG00000148655.15	65.40675074	-0.59512	0.619495	-0.96065	0.33673
ENSG00000112414.15	65.43901771	0.166377	0.565137	0.294402	0.768451
ENSG00000149571.12	65.45416415	-0.74605	0.585024	-1.27524	0.202224
ENSG00000259185.1	65.45416983	-0.57463	0.583765	-0.98436	0.324939
ENSG00000108576.10	65.47622082	-0.70179	0.624375	-1.12398	0.261021
ENSG00000172985.11	65.49183214	0.648648	0.588502	1.102202	0.270374
ENSG00000060069.17	65.5271537	1.244815	0.581243	2.141642	0.032222
ENSG00000241720.2	65.53329835	-0.4356	0.609768	-0.71437	0.474997
ENSG00000010626.15	65.55337388	-0.22579	0.559341	-0.40367	0.686459
ENSG00000157510.14	65.58064994	0.134324	0.556572	0.241341	0.809291
ENSG00000131115.16	65.64882056	-0.33926	0.559115	-0.60679	0.543991
ENSG00000274602.5	65.65029702	0.014961	0.548851	0.027258	0.978254
ENSG00000180626.10	65.67281277	0.178131	0.565359	0.315077	0.752703
ENSG00000280385.1	65.68276056	0.212656	0.545546	0.389804	0.696681
ENSG00000189362.12	65.6989987	-0.61099	0.619199	-0.98675	0.323765
ENSG00000170325.14	65.72197355	-0.4654	0.543106	-0.85692	0.391489
ENSG00000163521.16	65.79607717	0.682252	0.585256	1.165733	0.243722
ENSG00000100285.10	65.80114881	0.670995	0.567884	1.181571	0.237376
ENSG00000167513.9	65.80678905	0.78349	0.593534	1.320043	0.186821
ENSG00000204677.13	65.82104302	0.097093	0.726274	0.133686	0.893651

ENSG00000164674.15	65.85244432	0.030204	0.557751	0.054154	0.956813
ENSG00000168273.8	65.93708966	0.671107	0.550955	1.218079	0.223194
ENSG00000177103.15	65.95785212	0.853834	0.560665	1.522894	0.127785
ENSG00000185010.15	65.98486931	-0.87322	0.5902	-1.47953	0.138997
ENSG00000118046.16	65.98807637	0.800297	0.586962	1.363456	0.172739
ENSG00000263731.1	65.98941371	0.300654	0.684994	0.438915	0.660723
ENSG00000177595.18	66.002399	0.271836	0.544965	0.498815	0.61791
ENSG00000083807.10	66.00688324	0.204361	0.548887	0.372318	0.709656
ENSG00000177679.16	66.01268557	-0.0905	0.602579	-0.15019	0.880615
ENSG00000198910.14	66.01800017	0.391091	0.581004	0.673131	0.500864
ENSG00000174516.15	66.03483296	0.200475	0.544959	0.367873	0.712968
ENSG00000243701.7	66.05149346	-0.05728	0.546211	-0.10487	0.916479
ENSG00000263424.1	66.08168342	0.75547	0.566249	1.334164	0.18215
ENSG00000245025.3	66.10077133	0.253815	0.654047	0.388069	0.697965
ENSG00000007237.18	66.17337643	-0.19661	0.55413	-0.3548	0.722739
ENSG00000287051.1	66.19089346	0.439892	0.645351	0.681632	0.495472
ENSG00000230749.5	66.20032248	-0.22883	0.717095	-0.31911	0.749645
ENSG00000062282.15	66.24701834	0.106519	0.712691	0.14946	0.881191
ENSG00000273221.1	66.25239059	0.237449	0.544931	0.43574	0.663025
ENSG00000069424.15	66.2564958	0.387897	0.656377	0.590967	0.554543
ENSG00000215041.10	66.27538861	0.930712	0.611097	1.523019	0.127754
ENSG00000234072.1	66.28570225	0.287993	0.579326	0.497118	0.619106
ENSG00000262655.4	66.29201041	-0.91808	0.692347	-1.32603	0.184829
ENSG00000162639.16	66.29537362	-0.66866	0.570827	-1.17139	0.241444
ENSG00000221988.13	66.29656452	-0.10679	0.596378	-0.17907	0.857883
ENSG00000120820.12	66.33370473	-0.43763	0.560107	-0.78133	0.434606
ENSG00000042062.13	66.34041748	0.188135	0.572234	0.328773	0.742327
ENSG00000256152.2	66.38341867	-0.12972	0.578496	-0.22424	0.822574
ENSG00000256453.2	66.40381926	-0.24223	0.57926	-0.41818	0.675818
ENSG00000112659.14	66.40827305	-0.20152	0.5802	-0.34732	0.728347
ENSG00000239653.1	66.42472714	-0.41116	0.551017	-0.74618	0.455557
ENSG00000166046.11	66.43048004	-0.1602	0.601848	-0.26619	0.790096
ENSG00000179988.14	66.45762079	-0.58752	0.574472	-1.02271	0.306447
ENSG00000258092.1	66.47983222	0.721498	0.580998	1.241826	0.214301
ENSG00000236756.4	66.4917082	0.865529	0.548867	1.576937	0.11481
ENSG00000061938.19	66.58999857	0.230575	0.539014	0.427772	0.668817
ENSG00000187535.14	66.59210755	0.251436	0.626907	0.401073	0.688366
ENSG00000103089.9	66.60924938	0.29706	0.59021	0.503313	0.614744
ENSG00000105948.13	66.63424084	-0.07631	0.55767	-0.13685	0.891153
ENSG00000101986.12	66.70968864	0.378374	0.583044	0.648963	0.516362
ENSG00000228526.7	66.73171617	0.031498	0.54601	0.057688	0.953997
ENSG00000099139.14	66.74269389	0.509752	0.572321	0.890675	0.373103
ENSG00000172687.13	66.75028949	0.101677	0.559947	0.181583	0.85591
ENSG00000162882.15	66.78184542	0.07278	0.561712	0.129568	0.896909
ENSG00000118292.9	66.84169394	-0.68403	0.567769	-1.20477	0.228291
ENSG00000269621.1	66.85342375	0.025798	0.546924	0.047169	0.962379
ENSG00000161647.19	66.87826357	-0.28339	0.611036	-0.46378	0.642804
ENSG00000116151.14	66.89041945	-0.17368	0.586889	-0.29593	0.76728
ENSG00000254501.1	66.94114772	0.969419	0.581293	1.667696	0.095376
ENSG00000106686.16	66.98398406	-0.17427	0.568935	-0.30632	0.759364
ENSG00000162390.17	66.99305968	0.104267	0.542633	0.19215	0.847624
ENSG00000203326.12	67.00669241	-0.22144	0.654762	-0.33819	0.735218

ENSG00000131620.17	67.02885728	-0.29226	0.560555	-0.52137	0.602106
ENSG00000196284.17	67.0468814	-0.82444	0.578234	-1.42579	0.153928
ENSG00000160539.6	67.06685007	0.458352	0.569883	0.804292	0.421228
ENSG00000021762.20	67.0840058	0.222909	0.549404	0.405728	0.684942
ENSG00000180479.14	67.09528384	-1.09288	0.610954	-1.78882	0.073645
ENSG00000005187.12	67.10065984	0.173948	0.600146	0.289844	0.771936
ENSG00000247095.3	67.10371221	-0.14477	0.905982	-0.15979	0.873044
ENSG00000176058.13	67.16753088	0.986808	0.553699	1.782211	0.074715
ENSG00000166446.15	67.19237134	1.058021	0.737854	1.433917	0.151596
ENSG00000286019.1	67.21112299	-0.30001	0.560013	-0.53572	0.592155
ENSG00000177191.2	67.22109613	0.035194	0.567797	0.061983	0.950576
ENSG00000253304.2	67.22855428	0.930002	0.56655	1.641518	0.10069
ENSG00000129195.16	67.2818876	0.245429	0.568592	0.431644	0.666
ENSG00000241839.10	67.33213156	0.446093	0.556724	0.801283	0.422968
ENSG00000186710.11	67.35771367	0.445459	0.584356	0.762307	0.445877
ENSG00000213462.5	67.41562648	0.987027	0.548815	1.798468	0.072103
ENSG00000215375.6	67.41979017	0.081227	0.541701	0.149949	0.880805
ENSG00000099330.9	67.42741805	-0.40657	0.557791	-0.72889	0.466069
ENSG00000142330.20	67.43993084	0.862659	0.570582	1.511895	0.130561
ENSG00000128394.17	67.4481757	-0.34017	0.539513	-0.63051	0.528359
ENSG00000124216.4	67.45098722	-0.27075	0.572219	-0.47316	0.636102
ENSG00000077092.19	67.48632745	-0.05029	0.678605	-0.07411	0.940921
ENSG00000255031.5	67.52672823	1.183528	0.550077	2.15157	0.031431
ENSG00000286129.1	67.536997	-0.24666	0.559607	-0.44078	0.659371
ENSG00000204516.10	67.54988723	0.854904	0.569378	1.501471	0.133234
ENSG00000185262.9	67.56286037	1.395969	0.61224	2.280104	0.022602
ENSG00000169860.7	67.59641604	0.829888	0.619161	1.340343	0.180134
ENSG00000111801.16	67.64137406	0.449092	0.587131	0.764894	0.444335
ENSG00000101265.16	67.64272379	-0.28975	0.539853	-0.53672	0.591459
ENSG00000135363.12	67.66632855	-0.56314	0.604254	-0.93195	0.351362
ENSG00000172123.12	67.6673713	-0.37941	0.561582	-0.6756	0.499292
ENSG00000163995.20	67.66750341	-0.34196	0.558166	-0.61265	0.540108
ENSG00000176124.15	67.7038024	0.780804	0.548049	1.424699	0.154244
ENSG00000280594.1	67.70904228	-0.16125	0.538936	-0.29919	0.764792
ENSG00000139354.11	67.76646517	-0.03927	0.558314	-0.07033	0.943931
ENSG00000160188.10	67.80426862	-0.26467	0.541514	-0.48876	0.625014
ENSG00000187605.15	67.82309602	0.091185	0.617253	0.147727	0.882558
ENSG00000170364.12	67.83937879	-0.42401	0.584987	-0.72481	0.468567
ENSG00000171877.21	67.84284633	0.238408	0.541535	0.440245	0.65976
ENSG00000106948.17	67.85083813	0.210614	0.605057	0.34809	0.727772
ENSG00000237126.8	67.89425364	-0.11779	0.662374	-0.17783	0.858858
ENSG00000166845.15	67.91529892	0.208883	0.550055	0.379749	0.704132
ENSG00000180815.14	67.91530812	-0.56126	0.737349	-0.76118	0.446548
ENSG00000197763.18	67.92474157	0.077139	0.543718	0.141873	0.88718
ENSG00000152439.13	67.9788929	-0.61931	0.550763	-1.12445	0.260821
ENSG00000274985.1	67.99202096	-0.20469	0.567785	-0.36051	0.718465
ENSG00000127081.14	67.9950905	-1.40863	0.553351	-2.54564	0.010908
ENSG00000137760.15	68.00532743	0.200534	0.538735	0.372231	0.709721
ENSG00000164045.12	68.04293161	0.41658	0.544373	0.765247	0.444124
ENSG00000184208.12	68.05012199	0.691557	0.552181	1.252409	0.210421
ENSG00000231205.11	68.07404935	0.087623	0.545751	0.160555	0.872444
ENSG00000101082.14	68.08592573	0.79926	0.585911	1.364132	0.172526

ENSG00000105497.8	68.09600813	0.499397	0.655653	0.761679	0.446251
ENSG00000196476.12	68.10587726	-0.33514	0.538374	-0.6225	0.533615
ENSG00000188211.9	68.17518914	0.054067	0.541462	0.099854	0.92046
ENSG00000135119.14	68.18560035	0.641362	0.599046	1.070638	0.284332
ENSG00000234616.9	68.1913726	1.301749	0.560604	2.322048	0.02023
ENSG00000198286.9	68.19646619	0.177663	0.536078	0.331412	0.740333
ENSG00000143228.13	68.20393166	0.051171	0.635922	0.080467	0.935866
ENSG00000135114.12	68.21807939	0.150337	0.598524	0.251179	0.801675
ENSG00000239713.9	68.23440597	-0.38878	0.549394	-0.70765	0.479161
ENSG00000105559.12	68.23504817	0.389258	0.581748	0.669118	0.50342
ENSG00000175711.8	68.2714144	0.474019	0.55758	0.850136	0.39525
ENSG00000167733.13	68.28232277	0.02077	0.568948	0.036506	0.970879
ENSG00000171169.9	68.28785806	0.030113	0.624633	0.048208	0.96155
ENSG00000087299.12	68.30386453	-0.32222	0.564578	-0.57072	0.568189
ENSG00000164659.15	68.33396086	-0.43204	0.558379	-0.77373	0.439088
ENSG00000225217.1	68.36401237	0.823753	0.713983	1.153743	0.248606
ENSG00000232618.2	68.38971754	0.660658	0.655091	1.008499	0.313215
ENSG00000196754.13	68.51993228	-0.65864	0.620482	-1.0615	0.288464
ENSG00000101945.17	68.53787873	-0.05182	0.578836	-0.08953	0.928661
ENSG00000146426.18	68.55820643	0.223749	0.57756	0.387405	0.698457
ENSG00000102312.23	68.56430956	-0.6688	0.582544	-1.14807	0.25094
ENSG00000158966.16	68.56455534	0.095495	0.552512	0.172839	0.862778
ENSG00000100068.13	68.59644661	-0.98307	0.567626	-1.7319	0.083291
ENSG00000002079.14	68.60404008	0.179908	0.577741	0.3114	0.755497
ENSG00000186628.12	68.60907185	-0.11411	0.58644	-0.19458	0.845718
ENSG00000046647.13	68.61150364	-0.07667	0.590544	-0.12983	0.896699
ENSG00000243789.11	68.65076616	-0.02142	0.55542	-0.03856	0.969241
ENSG00000196743.9	68.65886275	0.1171	0.552981	0.211761	0.832294
ENSG00000280165.1	68.69293504	-0.09899	0.654196	-0.15131	0.87973
ENSG00000203965.13	68.76619569	-0.39928	0.54257	-0.7359	0.461789
ENSG00000088386.17	68.78014759	-0.08195	0.580551	-0.14116	0.887747
ENSG00000152953.13	68.80222957	-0.39938	0.540948	-0.7383	0.46033
ENSG00000157833.13	68.87768615	0.518718	0.565984	0.916489	0.359411
ENSG00000237149.5	68.91259588	0.12718	0.540773	0.235182	0.814068
ENSG00000169951.10	68.92857956	-0.28546	0.536729	-0.53185	0.594832
ENSG00000120318.16	68.93827846	0.189846	0.547216	0.346931	0.728643
ENSG00000165490.13	68.94651223	0.074557	0.553402	0.134725	0.892829
ENSG00000219891.2	68.95437178	-0.77385	0.652407	-1.18614	0.235567
ENSG00000006747.15	68.95753985	-0.25332	0.556186	-0.45546	0.648777
ENSG00000284976.1	68.9794883	0.697159	0.556146	1.253554	0.210004
ENSG00000285967.1	69.00754895	0.748022	0.541444	1.381533	0.167115
ENSG00000248690.8	69.03414377	1.22911	0.586652	2.095127	0.03616
ENSG00000118193.12	69.06255968	1.032296	0.619307	1.666857	0.095543
ENSG00000141968.8	69.07432836	-0.82379	0.585208	-1.40768	0.159225
ENSG00000130762.15	69.09621908	0.425462	0.539269	0.788961	0.430135
ENSG00000055118.16	69.13305448	-0.36921	0.57067	-0.64698	0.517645
ENSG00000221817.10	69.13437025	-0.3045	0.537702	-0.5663	0.571191
ENSG00000184619.7	69.14131931	-0.23105	0.536773	-0.43044	0.666875
ENSG00000171295.13	69.17887133	0.417546	0.716828	0.582491	0.560236
ENSG00000100665.12	69.19298457	-0.75008	0.586351	-1.27923	0.200815
ENSG00000183444.10	69.20031317	-0.01952	0.601542	-0.03245	0.974111
ENSG00000275832.5	69.21072497	1.280779	0.71378	1.794361	0.072756

ENSG00000233527.9	69.22153617	-0.20572	0.532657	-0.38621	0.699339
ENSG00000182263.14	69.25341591	0.054578	0.663756	0.082226	0.934467
ENSG00000185885.16	69.26000216	-0.27429	0.700291	-0.39169	0.69529
ENSG00000167037.18	69.27349788	-0.26735	0.547967	-0.4879	0.625622
ENSG00000163704.12	69.28154193	0.454304	0.558355	0.813648	0.415846
ENSG00000276070.5	69.30232906	0.470617	0.842304	0.558726	0.576349
ENSG00000139178.11	69.30889843	-0.30311	0.600566	-0.5047	0.613767
ENSG00000183666.17	69.31294319	0.486457	0.554185	0.877789	0.380058
ENSG00000128604.20	69.31468072	-0.43972	0.576601	-0.76261	0.445695
ENSG00000139173.10	69.33661558	-0.34034	0.543877	-0.62576	0.531471
ENSG00000113594.10	69.34099594	-0.44517	0.584445	-0.7617	0.44624
ENSG00000169403.12	69.35076979	0.19045	0.544029	0.350074	0.726283
ENSG00000129682.16	69.40557048	-0.29225	0.581557	-0.50254	0.615291
ENSG00000235269.2	69.40615589	-1.02743	0.612932	-1.67625	0.09369
ENSG00000178502.6	69.41863011	-0.69826	0.561579	-1.24339	0.213724
ENSG00000156968.9	69.43075761	-0.21953	0.574743	-0.38197	0.702485
ENSG00000176533.13	69.43485122	-0.07848	0.567055	-0.13841	0.889919
ENSG00000182185.18	69.43562846	-0.53276	0.545762	-0.97618	0.328973
ENSG00000141655.17	69.44852227	0.352981	0.543034	0.650017	0.515681
ENSG00000068615.19	69.45454582	-0.82072	0.580095	-1.4148	0.157128
ENSG00000183775.11	69.53188305	0.1908	0.542738	0.351551	0.725175
ENSG00000083838.16	69.53303926	-0.24995	0.544323	-0.45919	0.646095
ENSG00000083635.8	69.53378937	0.168896	0.569848	0.296388	0.766934
ENSG00000273032.3	69.54487026	0.170662	0.561821	0.303766	0.761306
ENSG00000168143.9	69.56288499	-0.65412	0.578448	-1.13081	0.258134
ENSG00000122778.10	69.5694419	0.3959	0.54062	0.732307	0.463981
ENSG00000270362.1	69.5740553	0.04928	0.53179	0.092667	0.926168
ENSG00000143147.14	69.58044244	0.530284	0.537544	0.986494	0.323891
ENSG00000183077.15	69.58906799	0.424974	0.577499	0.735887	0.4618
ENSG00000125967.17	69.62140454	0.506621	0.539497	0.939063	0.347699
ENSG00000184838.15	69.62256519	0.217357	0.698103	0.311354	0.755532
ENSG00000139266.6	69.70548497	0.282203	0.584663	0.482677	0.629325
ENSG00000121410.12	69.7122903	0.041122	0.537277	0.076538	0.938991
ENSG00000103510.20	69.75454912	1.097024	0.589793	1.860013	0.062884
ENSG00000173480.11	69.76646552	-0.6995	0.550285	-1.27115	0.203674
ENSG00000279504.1	69.77225919	-0.30223	0.534463	-0.56549	0.571742
ENSG00000278920.1	69.77646479	3.572076	0.828568	4.311144	1.62E-05
ENSG00000204149.12	69.78151924	0.373106	0.576309	0.647407	0.517369
ENSG00000103528.17	69.84561669	0.237517	0.538564	0.441019	0.659199
ENSG00000148814.18	69.87523679	-0.3785	0.559955	-0.67595	0.49907
ENSG00000132613.15	69.87727377	0.631877	0.55128	1.146199	0.251713
ENSG00000183111.12	69.8891724	0.228725	0.552291	0.414138	0.678773
ENSG00000103150.7	69.91014552	0.171402	0.620154	0.276387	0.782251
ENSG00000018610.15	69.92961811	-0.41448	0.580479	-0.71404	0.475204
ENSG00000234964.4	69.94552664	-0.88199	3.303584	-0.26698	0.789486
ENSG00000112365.5	69.96015825	-0.19199	0.533019	-0.36019	0.718707
ENSG00000210151.2	69.96304055	1.126731	0.572843	1.966911	0.049193
ENSG00000259498.1	69.97767843	0.475963	0.544863	0.873545	0.382366
ENSG00000133401.16	70.02428276	-0.58876	0.53575	-1.09894	0.271795
ENSG00000172575.12	70.03394204	-0.40694	0.538474	-0.75573	0.44981
ENSG00000234171.3	70.04422727	-0.066	0.552745	-0.11941	0.904951
ENSG00000075218.19	70.04506675	1.150899	0.598761	1.922135	0.054589

ENSG00000169957.10	70.06567391	0.892732	0.544498	1.639552	0.101098
ENSG00000136098.17	70.14301577	-0.16583	0.563836	-0.2941	0.76868
ENSG00000136883.14	70.14700424	-0.24777	0.720859	-0.34371	0.731063
ENSG00000165804.16	70.24196634	0.926085	0.546717	1.693902	0.090284
ENSG00000236859.7	70.26637518	-0.04787	0.545407	-0.08776	0.930065
ENSG00000176973.8	70.28830999	0.689732	0.540573	1.275928	0.201981
ENSG00000254559.1	70.28967324	-0.30087	0.605105	-0.49723	0.61903
ENSG00000185730.8	70.31878158	-1.0757	0.591172	-1.8196	0.06882
ENSG00000090975.12	70.35620019	-0.14421	0.548317	-0.263	0.792552
ENSG00000088876.13	70.39663343	-0.20503	0.537704	-0.38131	0.702975
ENSG00000184445.12	70.41131838	-0.24578	0.587675	-0.41822	0.675783
ENSG00000166189.8	70.41249919	0.624007	0.53902	1.157669	0.246999
ENSG00000179242.16	70.4287728	1.100098	0.611519	1.798961	0.072025
ENSG00000136404.16	70.43315782	-0.8023	0.535532	-1.49814	0.134096
ENSG00000169857.9	70.50941941	0.878131	0.537728	1.633039	0.102461
ENSG00000213780.11	70.556918	0.533456	0.568134	0.938962	0.34775
ENSG00000259479.6	70.57277821	-1.08957	1.910276	-0.57037	0.568426
ENSG00000165948.11	70.5746314	-0.24068	0.548679	-0.43865	0.660918
ENSG00000174827.14	70.57985811	0.683565	0.641318	1.065876	0.28648
ENSG00000109794.13	70.60658779	0.31751	0.585785	0.542026	0.587801
ENSG00000275131.3	70.65167386	0.259932	0.552632	0.470353	0.638103
ENSG00000140543.15	70.66496521	-0.24429	0.557437	-0.43824	0.661214
ENSG00000125810.10	70.66686215	1.096927	0.701647	1.563361	0.117968
ENSG00000183943.6	70.67413765	-0.16488	0.62954	-0.26191	0.793392
ENSG00000182512.5	70.67548992	1.192486	0.543016	2.196041	0.028089
ENSG00000198873.12	70.69245863	0.362845	0.549095	0.660806	0.508737
ENSG00000214595.12	70.69775528	-0.02631	0.57038	-0.04612	0.963214
ENSG00000128594.8	70.70320111	-0.32728	0.566511	-0.57771	0.563462
ENSG00000179431.7	70.7123146	0.942035	0.559898	1.682512	0.09247
ENSG00000172345.14	70.72962943	0.392758	0.538042	0.729977	0.465404
ENSG00000171443.7	70.75520391	0.55339	0.542925	1.019275	0.308073
ENSG00000242193.11	70.78975932	-1.06322	0.608196	-1.74816	0.080437
ENSG00000131759.18	70.8051248	0.14915	0.531103	0.280831	0.77884
ENSG00000160352.16	70.81600647	0.649991	0.544678	1.193349	0.232733
ENSG00000145743.17	70.83211281	-0.10627	0.587296	-0.18095	0.856407
ENSG00000247627.2	70.84222715	0.487817	0.601952	0.810392	0.417715
ENSG00000137266.14	70.87870148	0.429158	0.570834	0.751808	0.452166
ENSG00000204711.9	70.88211087	-1.25214	0.63663	-1.96682	0.049204
ENSG00000284707.2	70.91608707	-0.02473	0.538301	-0.04593	0.963363
ENSG00000182224.12	70.92377269	0.641361	0.570105	1.124986	0.260595
ENSG00000105339.10	70.93319059	-0.18561	0.544121	-0.34113	0.733008
ENSG00000074047.22	71.03920093	1.292424	0.648228	1.99378	0.046176
ENSG00000144868.13	71.11904311	-0.42668	0.576266	-0.74043	0.459042
ENSG00000132938.21	71.13564976	-0.07816	0.545445	-0.1433	0.88605
ENSG00000166965.12	71.19786712	0.305241	0.538763	0.566558	0.571014
ENSG00000105767.3	71.25790347	-0.05013	0.657954	-0.07619	0.93927
ENSG00000196437.12	71.31201415	-0.1717	0.537503	-0.31943	0.749399
ENSG00000163482.12	71.35374866	-0.09149	0.549384	-0.16653	0.867738
ENSG00000142556.19	71.36535867	-0.18019	0.537646	-0.33514	0.737517
ENSG00000082014.17	71.45066057	0.423488	0.538528	0.78638	0.431645
ENSG00000170608.3	71.46711892	0.52761	0.545742	0.966775	0.333657
ENSG00000133107.15	71.47575507	1.196941	0.589513	2.030389	0.042317

ENSG00000247516.8	71.50181599	0.241195	0.536591	0.449495	0.653075
ENSG00000083814.13	71.51166257	-0.82258	0.620776	-1.32508	0.185144
ENSG00000171763.20	71.56946427	0.33064	0.558029	0.592514	0.553506
ENSG00000122678.17	71.57867689	-0.05847	0.550165	-0.10628	0.915364
ENSG00000285612.1	71.61315847	-0.58191	0.574471	-1.01296	0.311082
ENSG00000246273.8	71.61568601	-0.65092	0.535296	-1.216	0.223985
ENSG00000197415.12	71.64175003	-0.14904	0.540484	-0.27575	0.782742
ENSG00000153253.19	71.65509938	0.603127	0.587856	1.025978	0.304902
ENSG00000178295.15	71.65532542	0.334748	0.649293	0.515558	0.606163
ENSG00000126217.21	71.68784888	0.381629	0.527018	0.72413	0.468986
ENSG00000100429.18	71.74272227	0.038564	0.553135	0.069719	0.944417
ENSG00000181625.17	71.75207834	1.074334	0.624354	1.720713	0.085303
ENSG00000100105.18	71.78498651	0.822185	0.531508	1.546891	0.121889
ENSG00000242852.7	71.820779	-0.24838	0.531052	-0.46772	0.639985
ENSG00000259007.1	71.8265272	-0.59848	0.603465	-0.99174	0.321322
ENSG00000279322.1	71.8330728	0.426896	0.547714	0.779413	0.435736
ENSG00000172748.14	71.83570315	-1.09264	0.558022	-1.95805	0.050224
ENSG00000196154.12	71.86587108	-0.67056	0.653014	-1.02687	0.304483
ENSG00000111077.18	71.87370859	0.536645	0.554477	0.96784	0.333124
ENSG00000224505.2	71.87400759	0.098766	0.533126	0.185259	0.853026
ENSG00000137101.13	71.91219014	-1.239	0.579394	-2.13844	0.032481
ENSG00000103226.18	71.91828658	-0.37934	0.53709	-0.70629	0.480005
ENSG00000271643.2	71.92952225	0.316486	0.577508	0.54802	0.583678
ENSG00000170498.9	71.92976733	-0.02961	0.559311	-0.05295	0.957773
ENSG00000198920.11	71.95429002	-0.10547	0.599688	-0.17588	0.860386
ENSG00000259953.2	71.95487981	-0.66603	0.583756	-1.14093	0.253897
ENSG00000259460.1	71.95600781	-0.47372	0.548969	-0.86293	0.388177
ENSG00000162994.16	71.956206	-0.01401	0.64597	-0.02169	0.982691
ENSG00000165949.12	71.99397305	-0.2024	0.579599	-0.3492	0.726936
ENSG00000162757.4	72.03407282	0.051107	0.550595	0.092821	0.926045
ENSG00000256525.8	72.04618536	-0.5462	0.532107	-1.02648	0.304665
ENSG00000075643.6	72.05841537	-0.56448	0.57945	-0.97417	0.329974
ENSG00000125744.12	72.10409453	0.211703	0.551557	0.383827	0.701106
ENSG00000165376.11	72.10834107	0.992524	0.784878	1.264558	0.20603
ENSG00000151320.11	72.10927616	-0.05129	0.691363	-0.07418	0.940864
ENSG00000247137.9	72.12608296	0.314928	0.599969	0.524908	0.599647
ENSG00000115290.10	72.14148143	0.157046	0.524419	0.299466	0.764585
ENSG00000125449.7	72.14901056	-0.06379	0.525241	-0.12146	0.903329
ENSG00000188868.14	72.15643418	-0.53055	0.596286	-0.88976	0.373594
ENSG00000140848.17	72.16203769	0.774818	0.547769	1.414497	0.157216
ENSG00000170161.7	72.23446524	0.188113	0.585128	0.32149	0.747839
ENSG00000103260.9	72.23775358	1.255225	0.60367	2.079325	0.037588
ENSG00000224914.4	72.3539033	0.593577	0.742396	0.799542	0.423976
ENSG00000130881.14	72.35498918	-0.00977	0.551287	-0.01772	0.985862
ENSG00000132819.17	72.42016753	0.354483	0.594757	0.596014	0.551166
ENSG00000197536.11	72.42713867	-0.88532	0.542662	-1.63145	0.102796
ENSG00000146143.19	72.48127924	0.501347	0.528948	0.947818	0.343222
ENSG00000177788.6	72.49064726	0.184588	0.545189	0.338575	0.73493
ENSG00000273038.2	72.52536613	0.091468	0.539536	0.16953	0.86538
ENSG00000204116.11	72.56239623	-0.61574	0.602099	-1.02266	0.306469
ENSG00000235652.9	72.56495884	0.086616	0.537447	0.161162	0.871965
ENSG00000169302.16	72.59846562	-0.00344	0.696593	-0.00493	0.996064

ENSG00000142459.8	72.65237202	0.59482	0.555573	1.070641	0.284331
ENSG00000233058.2	72.66199533	0.071084	0.536662	0.132455	0.894624
ENSG00000259673.6	72.67056008	-0.01728	0.598915	-0.02885	0.976986
ENSG00000135253.14	72.68613324	0.439197	0.569574	0.771098	0.440649
ENSG00000107518.18	72.6962817	-0.35468	0.576015	-0.61575	0.538057
ENSG00000213654.10	72.69664708	-0.06351	0.543947	-0.11676	0.907049
ENSG00000243414.6	72.70336557	-0.09284	0.727556	-0.1276	0.898463
ENSG00000250644.3	72.74564494	-0.32537	0.5505	-0.59105	0.554489
ENSG00000157379.14	72.75201986	0.863844	0.542809	1.591433	0.111512
ENSG00000160183.17	72.76411111	0.1205	0.643635	0.187218	0.85149
ENSG00000279086.1	72.79419491	0.003515	0.545462	0.006443	0.994859
ENSG00000258727.1	72.83635064	-0.80548	0.620342	-1.29845	0.194133
ENSG00000180229.12	72.84602588	0.161626	0.560714	0.28825	0.773156
ENSG00000143578.16	72.86065744	-0.54225	0.589123	-0.92044	0.357342
ENSG00000123342.16	72.88416939	-0.32935	0.54497	-0.60434	0.545616
ENSG00000254726.3	72.88536011	0.602632	0.538496	1.119101	0.263097
ENSG00000184916.9	73.01347317	0.350934	0.576084	0.609172	0.54241
ENSG00000130734.10	73.02638391	0.168918	0.558943	0.30221	0.762492
ENSG00000116668.13	73.03488894	-0.68659	0.531384	-1.29208	0.19633
ENSG00000114670.14	73.03906884	-0.54756	0.543793	-1.00693	0.31397
ENSG00000262136.1	73.06728042	-0.4889	0.537152	-0.91018	0.362728
ENSG00000103494.14	73.09539819	-0.15863	0.542062	-0.29263	0.769802
ENSG00000189283.10	73.10285304	-0.95701	0.564284	-1.69598	0.08989
ENSG00000213533.13	73.21508025	0.811572	0.580988	1.396882	0.162449
ENSG00000103647.13	73.24754947	0.535744	0.526326	1.017894	0.308728
ENSG00000142444.7	73.24838843	0.455793	0.536711	0.849234	0.395751
ENSG00000095397.16	73.26757148	0.004305	0.532822	0.00808	0.993553
ENSG00000178726.7	73.28716989	0.452313	0.560728	0.806654	0.419866
ENSG00000168772.11	73.30360208	-0.17786	0.61297	-0.29017	0.771687
ENSG00000205268.11	73.30532652	0.109781	0.543492	0.201991	0.839924
ENSG00000238039.1	73.35941361	-0.90303	0.571721	-1.5795	0.114221
ENSG00000105173.14	73.36366076	1.04068	0.573382	1.814984	0.069526
ENSG00000077585.14	73.37925735	0.463796	0.565597	0.820012	0.412209
ENSG00000164684.13	73.48542055	-0.08423	0.540161	-0.15594	0.876078
ENSG00000186787.8	73.5124666	-0.02743	0.617784	-0.0444	0.964587
ENSG00000174482.10	73.52737309	-0.75673	0.647276	-1.1691	0.242365
ENSG00000170962.13	73.5295911	-0.95844	0.617029	-1.55331	0.120349
ENSG00000188070.9	73.53166652	0.771525	0.533289	1.44673	0.147972
ENSG00000060491.16	73.59297591	1.292751	0.586752	2.203232	0.027578
ENSG00000170468.8	73.59911174	0.611985	0.525083	1.165502	0.243816
ENSG00000245112.2	73.60222174	-0.51321	0.554283	-0.92589	0.354502
ENSG00000280138.1	73.61687034	0.426477	0.549339	0.776346	0.437545
ENSG00000198824.7	73.63570166	0.39411	0.527214	0.747532	0.454743
ENSG00000135469.13	73.64202569	0.210355	0.582467	0.361144	0.717992
ENSG00000259974.3	73.68115711	0.667789	0.556261	1.200497	0.229947
ENSG00000144843.11	73.69713744	-0.3755	0.528605	-0.71035	0.477487
ENSG00000204650.14	73.71239655	0.157982	0.55664	0.283814	0.776553
ENSG00000161714.12	73.72119956	-0.84114	0.548409	-1.53379	0.125081
ENSG00000286078.1	73.75463486	-0.0383	0.523975	-0.07309	0.941736
ENSG00000188641.14	73.83628483	-0.04977	0.535929	-0.09287	0.926005
ENSG00000154655.16	73.84634757	-0.78198	0.545509	-1.43349	0.151718
ENSG00000189320.9	73.84771407	-0.04413	0.678494	-0.06505	0.948137

ENSG00000213799.13	73.88011831	-0.19272	0.56333	-0.34211	0.73227
ENSG00000144278.15	73.88101284	-0.89279	0.625578	-1.42714	0.153539
ENSG00000063761.16	73.93780358	-0.32316	0.555373	-0.58187	0.560653
ENSG00000186310.10	73.93876208	0.461183	0.710458	0.649135	0.516251
ENSG00000286169.2	74.0017878	6.92968	2.735327	2.533401	0.011296
ENSG00000156381.9	74.0131339	1.617328	0.643705	2.512531	0.011987
ENSG00000233016.7	74.04783612	1.004177	0.561232	1.789238	0.073577
ENSG00000156876.10	74.05321175	-0.31837	0.551956	-0.5768	0.564076
ENSG00000240801.1	74.05992959	-0.98616	0.706607	-1.39563	0.162826
ENSG00000275410.5	74.09785306	-0.55265	0.52707	-1.04854	0.29439
ENSG00000162949.16	74.10225091	0.606944	0.533331	1.138025	0.25511
ENSG00000113231.14	74.10626706	0.040086	0.577315	0.069435	0.944643
ENSG00000249859.12	74.10628763	-0.12936	0.595411	-0.21727	0.827999
ENSG00000185684.15	74.11171801	0.005849	0.5237	0.011169	0.991089
ENSG00000230530.2	74.11873511	-0.84506	0.569084	-1.48495	0.137557
ENSG00000184515.11	74.15164717	0.319619	0.557377	0.573434	0.566351
ENSG00000261526.2	74.15781868	0.487008	0.542085	0.898398	0.368973
ENSG00000157404.16	74.2178758	-0.02445	0.597746	-0.04091	0.967371
ENSG00000171219.9	74.2553835	0.582238	0.615911	0.945327	0.344492
ENSG00000180902.18	74.41920248	0.489931	0.526885	0.929864	0.352442
ENSG00000198429.10	74.44473221	-0.49412	0.531004	-0.93055	0.352089
ENSG00000114631.11	74.48843358	0.241691	0.624935	0.386745	0.698945
ENSG00000260755.1	74.49720689	-0.38332	0.605934	-0.6326	0.526992
ENSG00000227124.11	74.53335541	0.026655	0.534087	0.049908	0.960196
ENSG00000147262.4	74.58041194	-0.5013	2.033464	-0.24652	0.805277
ENSG00000132004.13	74.61097218	-0.09521	0.598875	-0.15898	0.873687
ENSG00000105245.9	74.61859065	0.271261	0.528408	0.513356	0.607702
ENSG00000172738.12	74.62893099	-0.78292	0.548231	-1.42808	0.153267
ENSG00000176809.10	74.62910824	-1.05625	0.664799	-1.58882	0.112101
ENSG00000188997.8	74.69567519	-0.23948	0.546831	-0.43795	0.661424
ENSG00000172301.11	74.72896947	0.641052	0.526293	1.218051	0.223205
ENSG00000185485.14	74.77715767	-0.31125	0.522094	-0.59617	0.551064
ENSG00000112276.14	74.77785014	-0.38584	0.559747	-0.68931	0.490627
ENSG00000116574.6	74.83372783	0.327353	0.526008	0.622334	0.533722
ENSG00000125885.13	74.85699228	0.21829	0.525395	0.415478	0.677792
ENSG00000168038.11	74.94315149	-0.66277	0.52067	-1.27292	0.203048
ENSG00000170379.20	74.95900744	-0.6551	0.543624	-1.20507	0.228177
ENSG00000204934.10	75.00944049	0.064574	0.554627	0.116427	0.907314
ENSG00000185716.12	75.0115676	0.290721	0.537651	0.540724	0.588698
ENSG00000158163.15	75.01433921	0.851725	0.550356	1.547588	0.121721
ENSG00000235173.7	75.04053843	0.442607	0.527105	0.839694	0.40108
ENSG00000155393.13	75.09999968	0.400237	0.517443	0.773489	0.439233
ENSG00000099385.11	75.10036249	0.997734	0.547344	1.822865	0.068324
ENSG00000178385.15	75.1048829	-0.05123	0.553333	-0.09258	0.926237
ENSG00000149150.9	75.1270427	-0.32469	0.531406	-0.611	0.541198
ENSG00000107562.16	75.1401308	-0.05296	0.53641	-0.09874	0.921347
ENSG00000151967.18	75.15261788	0.28896	0.522222	0.553327	0.58004
ENSG00000198556.14	75.16989638	0.337011	0.569258	0.592019	0.553838
ENSG00000137802.14	75.17388342	0.083864	0.543068	0.154426	0.877274
ENSG00000144134.18	75.18510171	-0.57536	0.523966	-1.09809	0.272166
ENSG00000256223.6	75.18606817	-1.04619	0.544228	-1.92234	0.054563
ENSG00000148384.14	75.20317592	0.552438	0.518275	1.065916	0.286462

ENSG00000197580.13	75.21874324	-0.63916	0.54407	-1.17478	0.240083
ENSG00000172403.11	75.22828236	1.074816	0.600262	1.790579	0.073361
ENSG00000164976.9	75.29116523	-0.0452	0.535384	-0.08443	0.932717
ENSG00000173681.16	75.30562169	-0.27801	0.552858	-0.50286	0.615064
ENSG00000259943.1	75.30939487	0.333331	0.545684	0.61085	0.541299
ENSG00000144589.22	75.33019841	-0.37989	0.547084	-0.69439	0.487438
ENSG00000240445.5	75.34294414	-0.66577	0.584461	-1.13912	0.254652
ENSG00000181220.17	75.38439598	0.572693	0.551195	1.039002	0.298804
ENSG00000234912.12	75.38698963	0.641759	0.54214	1.183751	0.236512
ENSG00000214338.10	75.41204979	0.024736	0.55174	0.044832	0.964241
ENSG00000185567.7	75.43240149	0.059282	0.542571	0.109262	0.912995
ENSG00000198728.11	75.47030531	0.474101	0.545602	0.868951	0.384874
ENSG00000129355.7	75.47871961	-0.45604	0.551823	-0.82642	0.408566
ENSG00000175040.6	75.50299153	1.077895	0.64196	1.679069	0.093139
ENSG00000170425.3	75.6234546	-1.12397	0.551621	-2.03758	0.041592
ENSG00000148123.15	75.65293571	0.442522	0.620747	0.712886	0.475916
ENSG00000149657.20	75.75319402	0.56012	0.53244	1.051986	0.292806
ENSG00000285053.1	75.76734568	-0.56694	0.556368	-1.019	0.308201
ENSG00000112936.19	75.79173958	1.271089	0.827122	1.536762	0.124352
ENSG00000107362.14	75.81421641	0.087194	0.52947	0.164682	0.869194
ENSG00000181004.10	75.81641721	-0.25808	0.527431	-0.48931	0.624624
ENSG00000196440.11	75.9096035	-0.37061	0.582124	-0.63665	0.524353
ENSG00000171160.18	75.92769256	0.132856	0.532961	0.24928	0.803144
ENSG00000025434.19	75.92985059	-0.54812	0.603946	-0.90757	0.364105
ENSG00000105204.14	75.94288898	0.100283	0.524554	0.191177	0.848387
ENSG00000185513.17	76.00135542	0.138431	0.528025	0.262167	0.793193
ENSG00000177303.10	76.01442719	0.506892	0.53142	0.953844	0.340163
ENSG00000158715.6	76.02704616	-0.07724	0.593173	-0.13021	0.896402
ENSG00000004848.8	76.03684197	0.477428	0.60387	0.790615	0.429169
ENSG00000177337.8	76.03851798	0.169522	0.575181	0.294728	0.768202
ENSG00000163026.12	76.04711462	0.398019	0.551194	0.722104	0.470231
ENSG00000177932.7	76.07843217	0.347724	0.537106	0.647404	0.517371
ENSG00000160460.16	76.0832236	0.129612	0.520731	0.248904	0.803435
ENSG00000226752.9	76.0942709	0.230426	0.596971	0.385992	0.699503
ENSG00000255351.1	76.10911503	-0.61052	0.525016	-1.16286	0.244888
ENSG00000128311.14	76.13858203	-0.22098	0.526082	-0.42005	0.674447
ENSG00000173275.13	76.1422778	-0.74364	0.550858	-1.34996	0.177029
ENSG00000251201.8	76.16883124	-0.27446	0.623358	-0.4403	0.659721
ENSG00000223768.2	76.18296669	0.056607	0.520709	0.108712	0.913431
ENSG00000172318.5	76.18365563	0.528761	0.598618	0.883303	0.377073
ENSG00000267303.1	76.21243771	0.407846	0.518687	0.786306	0.431688
ENSG00000198482.14	76.33858473	1.309344	0.547818	2.390109	0.016843
ENSG00000225973.4	76.35484731	0.131494	0.525334	0.250306	0.802351
ENSG00000279428.1	76.38047777	0.03868	0.518102	0.074656	0.940488
ENSG00000205138.4	76.38555142	0.153216	0.514812	0.297615	0.765997
ENSG00000183570.16	76.39388008	-0.62548	0.544401	-1.14894	0.250582
ENSG00000093009.11	76.43019571	0.025076	0.531446	0.047185	0.962366
ENSG00000232973.13	76.43663257	0.20692	0.563915	0.366934	0.713668
ENSG00000287929.1	76.45679901	0.21459	0.533673	0.402101	0.68761
ENSG00000282826.2	76.47453838	0.144458	0.541479	0.266784	0.789635
ENSG00000276644.5	76.48375035	-0.22733	0.556156	-0.40876	0.682719
ENSG00000185340.15	76.48672457	1.082117	0.545359	1.984228	0.04723

ENSG00000279059.1	76.56499091	0.021362	0.692823	0.030833	0.975402
ENSG00000077420.16	76.57846731	0.391247	0.535081	0.731193	0.464661
ENSG00000233024.7	76.64017971	0.222426	0.555046	0.400734	0.688616
ENSG00000143942.5	76.66377509	-0.16358	0.675949	-0.24201	0.808776
ENSG00000100065.15	76.67101108	0.068155	0.559501	0.121813	0.903047
ENSG00000251034.2	76.71320599	0.350207	0.559336	0.626112	0.531242
ENSG00000164576.12	76.74487511	0.318717	0.631331	0.504833	0.613676
ENSG00000161395.14	76.74712783	0.124831	0.538764	0.231698	0.816772
ENSG00000150625.16	76.77615587	-0.73546	0.532581	-1.38093	0.1673
ENSG00000185252.19	76.78227833	-0.11225	0.514686	-0.21809	0.827357
ENSG00000182901.17	76.83939812	-0.53047	0.537906	-0.98617	0.324048
ENSG00000233184.7	76.85183812	-0.28	0.54124	-0.51733	0.604924
ENSG00000118965.15	76.87095214	-0.18195	0.518543	-0.35089	0.725672
ENSG00000270820.6	76.88846746	-0.17974	0.528946	-0.33982	0.733996
ENSG00000187486.5	76.91883147	0.435818	0.663876	0.656475	0.511518
ENSG00000180596.7	76.93612109	-0.25907	0.609308	-0.42519	0.670698
ENSG00000064932.16	76.93903396	0.362932	0.584276	0.621166	0.534491
ENSG00000160298.18	76.95996153	-0.08785	0.589691	-0.14897	0.881576
ENSG00000165312.6	76.9694462	0.419376	0.592789	0.707462	0.479279
ENSG00000169515.8	76.97042369	0.798656	0.581141	1.374291	0.169351
ENSG00000174151.15	77.02153762	0.570534	0.560519	1.017867	0.308741
ENSG00000197008.10	77.02476088	-0.51605	0.575044	-0.8974	0.369504
ENSG00000013573.17	77.02803069	0.729506	0.572574	1.274083	0.202634
ENSG00000102755.12	77.12302418	0.859996	0.613355	1.402119	0.16088
ENSG00000160993.4	77.13499145	-0.53832	0.546052	-0.98583	0.324216
ENSG00000124459.12	77.15275479	-0.40941	0.540066	-0.75807	0.448408
ENSG00000186314.11	77.16559767	-0.03522	0.554676	-0.0635	0.949369
ENSG00000179941.9	77.17740516	-0.44194	0.546551	-0.8086	0.418745
ENSG00000096654.15	77.22143868	-0.85053	0.568498	-1.49611	0.134625
ENSG00000172780.17	77.24390252	-0.30475	0.593896	-0.51314	0.607854
ENSG00000243753.5	77.25343783	-0.17933	0.553175	-0.32418	0.745804
ENSG00000228696.10	77.25842017	-0.12717	0.519505	-0.2448	0.806612
ENSG00000204959.4	77.2809644	0.271655	0.534213	0.508514	0.611093
ENSG00000180921.7	77.32225013	1.029631	0.522629	1.970098	0.048827
ENSG00000243150.6	77.33117308	0.086214	0.691309	0.124711	0.900753
ENSG00000234377.7	77.33966785	-0.27256	0.520328	-0.52382	0.600407
ENSG00000184068.2	77.3720855	-0.03757	0.566065	-0.06636	0.947088
ENSG00000181873.13	77.38025004	0.050211	0.55714	0.090123	0.928189
ENSG00000152117.17	77.41515225	-0.13534	0.51502	-0.26278	0.792718
ENSG00000251349.3	77.41579986	-0.17408	0.55486	-0.31373	0.753727
ENSG00000188130.14	77.44441322	-0.50453	0.527981	-0.95558	0.339285
ENSG00000196605.7	77.50297334	-0.4536	0.612577	-0.74048	0.459006
ENSG00000183668.18	77.5486234	-0.28059	0.613466	-0.45739	0.647394
ENSG00000186529.16	77.55631214	0.187198	0.54129	0.345836	0.729466
ENSG00000169981.11	77.57220027	0.186715	0.524821	0.355769	0.722013
ENSG00000133256.12	77.57292662	-0.22155	0.655312	-0.33808	0.735306
ENSG00000100802.15	77.62452838	-0.89008	0.519115	-1.71462	0.086415
ENSG00000135127.11	77.65366676	-0.42636	0.54796	-0.77809	0.436517
ENSG00000163795.14	77.6576029	0.554821	0.525794	1.055205	0.291331
ENSG00000143387.13	77.67894063	0.013314	0.542512	0.024541	0.980421
ENSG00000173452.14	77.69212413	-0.96194	0.719718	-1.33654	0.181371
ENSG00000261505.1	77.72599854	0.021091	0.542989	0.038842	0.969017

ENSG00000184897.6	77.72685369	1.765048	0.52642	3.352928	0.0008
ENSG00000229656.7	77.73377228	0.423935	0.614277	0.690137	0.490108
ENSG00000233913.7	77.74533413	0.454398	0.61422	0.739796	0.459424
ENSG00000185250.16	77.79078302	-1.32234	0.537282	-2.46118	0.013848
ENSG00000138944.8	77.79126211	0.237205	0.559372	0.424056	0.671525
ENSG00000006606.8	77.81589912	1.184664	0.632879	1.871864	0.061225
ENSG00000204228.4	77.8181608	-0.51974	0.534932	-0.97161	0.331245
ENSG00000153044.10	77.83324007	-0.34161	0.53108	-0.64325	0.520065
ENSG00000116127.19	77.83447192	0.531902	0.565658	0.940325	0.347051
ENSG00000168010.11	77.84642235	-0.01402	0.523314	-0.02679	0.978627
ENSG00000132329.11	77.85220721	-0.45147	0.519251	-0.86947	0.384588
ENSG00000137338.5	77.85575848	0.06146	0.554233	0.110892	0.911702
ENSG00000204789.4	77.91574586	-0.17223	0.526913	-0.32687	0.743766
ENSG00000269958.1	77.94634349	0.1563	0.521719	0.299586	0.764493
ENSG00000187889.13	77.96510276	-0.38928	0.535058	-0.72756	0.466886
ENSG00000226380.9	78.0141295	0.019907	0.596006	0.033401	0.973354
ENSG00000004660.15	78.01775457	-0.45326	0.549678	-0.82459	0.409602
ENSG00000182378.14	78.03296798	0.316206	0.52219	0.605539	0.544821
ENSG00000241990.5	78.04984343	0.804123	0.541724	1.484376	0.137709
ENSG00000174915.12	78.06702764	0.84115	0.550073	1.529161	0.126225
ENSG00000261602.1	78.07187928	-0.50676	0.640168	-0.79161	0.428589
ENSG00000162241.12	78.17091954	-0.04884	0.529368	-0.09226	0.926491
ENSG00000259661.1	78.18190853	0.288021	0.533675	0.539693	0.589409
ENSG00000236810.6	78.19338666	0.141204	0.514153	0.274635	0.783596
ENSG00000100557.10	78.20120361	-0.11156	0.54469	-0.20482	0.837715
ENSG00000196646.12	78.2071115	0.181992	0.528608	0.344285	0.730632
ENSG00000168016.15	78.2394845	-0.21827	0.594883	-0.36691	0.713685
ENSG00000173727.12	78.27036799	-1.05042	0.554022	-1.89599	0.057961
ENSG00000132005.9	78.27687321	1.000244	0.663573	1.507359	0.131719
ENSG00000220323.4	78.28592479	0.124477	0.568183	0.219079	0.826588
ENSG00000182674.6	78.28721121	-0.15443	0.573305	-0.26937	0.787647
ENSG00000169862.19	78.30012897	0.367868	0.533427	0.689631	0.490426
ENSG00000204623.9	78.30689126	-0.11338	0.53132	-0.21339	0.83102
ENSG00000131634.14	78.37122733	0.00061	0.542692	0.001125	0.999103
ENSG00000269313.5	78.40314738	-0.58603	0.538126	-1.08901	0.276147
ENSG00000168675.18	78.40957437	-0.5965	0.65019	-0.91742	0.358921
ENSG00000138002.16	78.4336362	0.248301	0.536286	0.463002	0.643363
ENSG00000167074.15	78.44417074	-0.15194	0.521988	-0.29108	0.770993
ENSG00000180758.12	78.51588901	-0.55875	0.559844	-0.99805	0.318257
ENSG00000180190.11	78.55490576	0.228255	0.524629	0.43508	0.663505
ENSG00000159214.13	78.59563426	-0.40056	0.536914	-0.74604	0.455642
ENSG00000259120.3	78.60813836	0.00437	0.518456	0.00843	0.993274
ENSG00000150455.13	78.63938684	-0.60328	0.518159	-1.16428	0.244311
ENSG00000178075.20	78.65110148	-0.21457	0.512465	-0.4187	0.675437
ENSG00000218510.8	78.66209493	0.193822	0.514036	0.377059	0.70613
ENSG00000184731.6	78.66820359	0.906351	0.684515	1.324078	0.185477
ENSG00000169752.17	78.70405081	-0.61987	0.628726	-0.98591	0.324176
ENSG00000186019.11	78.72445688	-0.31103	0.514558	-0.60447	0.545533
ENSG00000286176.2	78.75410318	0.198174	0.520983	0.380386	0.703659
ENSG00000263006.6	78.79046423	0.608431	0.603108	1.008826	0.313058
ENSG00000135100.18	78.80439412	0.206632	0.556408	0.371367	0.710364
ENSG00000143603.19	78.80487814	0.241686	0.54742	0.4415	0.658851

ENSG00000286859.1	78.81291618	0.051447	0.512774	0.100331	0.920081
ENSG0000022567.10	78.81839091	0.267338	0.599698	0.445788	0.655751
ENSG00000108852.15	78.86225482	-0.42441	0.523187	-0.81121	0.417247
ENSG00000104059.4	78.91653372	1.188319	0.526968	2.255014	0.024132
ENSG00000129566.13	78.95837786	0.123913	0.544254	0.227675	0.819899
ENSG00000016402.13	78.97717261	-0.59332	0.566887	-1.04663	0.295269
ENSG00000162551.14	78.98658148	0.580027	0.567534	1.022013	0.306775
ENSG00000167641.11	78.99959981	-0.02305	0.534952	-0.04308	0.965636
ENSG00000101003.10	79.0501188	-0.07887	0.542855	-0.14529	0.884485
ENSG00000175611.12	79.06878984	0.242523	0.531231	0.456531	0.648008
ENSG00000165185.15	79.09321614	-0.21218	0.520851	-0.40737	0.683735
ENSG00000158623.14	79.11023954	-0.52867	0.53565	-0.98697	0.323658
ENSG00000189337.17	79.15730504	0.100289	0.526165	0.190604	0.848836
ENSG00000050438.17	79.15920478	0.270917	0.545486	0.496653	0.619434
ENSG00000187764.11	79.2414671	-0.25198	0.509385	-0.49468	0.620823
ENSG00000187531.14	79.24912857	0.202034	0.513161	0.393705	0.693799
ENSG00000130775.16	79.25338473	-0.33993	0.544862	-0.62388	0.532705
ENSG00000277072.5	79.25975133	-0.02246	0.522672	-0.04298	0.96572
ENSG00000255182.2	79.26273826	0.205677	0.525828	0.391149	0.695687
ENSG00000204179.10	79.2644543	-1.21326	0.544897	-2.22658	0.025976
ENSG00000100271.17	79.31110357	-0.07369	0.517019	-0.14253	0.886661
ENSG00000216937.13	79.31786888	-1.12704	0.549333	-2.05165	0.040204
ENSG00000144362.12	79.33484871	-0.63244	0.677961	-0.93286	0.350894
ENSG00000285600.1	79.34501753	0.978471	0.58647	1.668407	0.095235
ENSG00000288558.2	79.359398	-0.37508	0.621116	-0.60387	0.545927
ENSG00000184517.12	79.36633213	-0.54857	0.579247	-0.94703	0.343622
ENSG00000227449.8	79.38910444	-0.60793	0.538817	-1.12826	0.259208
ENSG00000183891.6	79.41554613	0.520702	0.537377	0.968969	0.332561
ENSG00000164181.14	79.42889279	-0.06473	0.552709	-0.11711	0.906773
ENSG00000170265.12	79.43484399	0.676807	0.536828	1.260751	0.207398
ENSG00000188295.14	79.46945036	-0.4637	0.562056	-0.825	0.409369
ENSG00000184678.10	79.47421832	-0.04977	0.533298	-0.09333	0.925641
ENSG00000170801.10	79.49653004	0.690382	0.560741	1.231197	0.218249
ENSG00000163138.19	79.51038547	-0.48116	0.524622	-0.91716	0.359058
ENSG00000214106.9	79.51257353	-0.41178	0.527593	-0.78049	0.435101
ENSG00000259948.2	79.51300064	-0.07629	0.524494	-0.14546	0.884346
ENSG00000135604.10	79.54239137	-0.1346	0.515101	-0.26132	0.793848
ENSG00000113356.13	79.57318341	-0.07495	0.55478	-0.1351	0.892532
ENSG00000075303.13	79.57469629	-0.663	0.524712	-1.26355	0.20639
ENSG00000115687.14	79.60012638	0.778529	0.562626	1.38374	0.166438
ENSG00000131797.12	79.61481159	0.320884	0.517273	0.620337	0.535036
ENSG00000090924.15	79.63140015	0.52814	0.552344	0.95618	0.338981
ENSG00000285641.1	79.65279658	-0.51708	0.637816	-0.8107	0.417538
ENSG00000142961.14	79.69671428	0.038473	0.527306	0.072961	0.941838
ENSG00000088727.12	79.70904109	0.052744	0.508734	0.103677	0.917426
ENSG00000083844.10	79.71251585	0.083125	0.55348	0.150187	0.880617
ENSG00000163689.20	79.76627125	0.126626	0.510444	0.248071	0.80408
ENSG00000232581.1	79.79264895	-0.3766	0.509052	-0.73981	0.459413
ENSG00000188283.11	79.80307026	-0.40791	0.539516	-0.75607	0.449609
ENSG00000048342.17	79.87715974	0.292203	0.520075	0.561848	0.57422
ENSG00000115226.10	79.89256512	0.346534	0.517806	0.669236	0.503345
ENSG00000133069.17	79.89920183	0.105727	0.522594	0.202312	0.839673

ENSG00000133466.14	79.90116169	-1.06084	0.547684	-1.93696	0.05275
ENSG00000241015.2	79.95084756	0.023226	0.58482	0.039715	0.96832
ENSG00000149927.18	80.02319271	0.257833	0.512047	0.503535	0.614588
ENSG00000106976.21	80.03484234	-0.17348	0.551225	-0.31472	0.752971
ENSG00000138621.12	80.04124768	-0.3045	0.537979	-0.56601	0.57139
ENSG00000128849.10	80.04497277	0.199695	0.530637	0.376331	0.706671
ENSG00000183684.8	80.06369544	1.525378	0.574262	2.656239	0.007902
ENSG00000175832.13	80.16514375	0.099926	0.509771	0.196022	0.844593
ENSG00000091704.10	80.1863653	1.777122	0.683812	2.598844	0.009354
ENSG00000164978.18	80.19615843	-0.08746	0.539459	-0.16212	0.871214
ENSG00000128285.4	80.2162848	0.05079	0.626922	0.081014	0.935431
ENSG00000151136.15	80.24029185	0.147581	0.516607	0.285674	0.775128
ENSG00000135472.9	80.27193302	-1.08138	0.551305	-1.96148	0.049823
ENSG00000170222.12	80.34003509	-0.68936	0.594163	-1.16022	0.24596
ENSG00000168874.13	80.36849565	0.835181	0.550465	1.517227	0.129209
ENSG00000144935.15	80.42909183	-0.91208	0.550801	-1.65592	0.097738
ENSG00000051180.17	80.44277009	-0.02476	0.527117	-0.04697	0.962534
ENSG00000136943.11	80.45536557	-1.37427	0.585819	-2.3459	0.018981
ENSG00000196839.13	80.46875474	-0.31027	0.525091	-0.59089	0.554594
ENSG00000136999.5	80.59081165	0.160304	0.555183	0.28874	0.77278
ENSG00000134222.16	80.59251279	0.73544	0.548912	1.339813	0.180306
ENSG00000143515.18	80.65804628	-0.00527	0.575286	-0.00916	0.992694
ENSG00000139718.10	80.67196602	0.028794	0.521438	0.05522	0.955963
ENSG00000114853.14	80.68000118	0.250113	0.523529	0.477745	0.632832
ENSG00000249673.7	80.71764428	0.143857	0.504811	0.284972	0.775666
ENSG00000112812.16	80.72529151	-1.00684	0.534312	-1.88436	0.059517
ENSG00000164929.17	80.73440345	-0.11568	0.570728	-0.20269	0.839375
ENSG00000171813.14	80.7610625	0.600361	0.561384	1.069431	0.284876
ENSG00000279069.1	80.77424837	-0.63935	0.542938	-1.17757	0.238967
ENSG00000184368.16	80.77437199	1.152971	0.554909	2.077765	0.037731
ENSG00000232807.2	80.77700804	0.808956	0.584635	1.383695	0.166452
ENSG00000182179.13	80.78648066	0.210352	0.512233	0.410657	0.681324
ENSG00000175745.14	80.79117666	0.124667	0.538605	0.231463	0.816955
ENSG00000204219.11	80.84057955	-0.10411	0.569758	-0.18272	0.855015
ENSG00000140044.13	80.85240014	0.338351	0.620702	0.545111	0.585677
ENSG00000170604.5	80.85659389	0.891609	0.515517	1.729546	0.083711
ENSG00000111490.15	80.87155423	1.076436	0.51107	2.106239	0.035184
ENSG00000070476.15	80.90436819	0.191081	0.528981	0.361224	0.717932
ENSG00000259924.1	80.90709444	-1.23046	0.610374	-2.01592	0.043809
ENSG00000156521.14	80.93048339	-0.02556	0.558068	-0.0458	0.963471
ENSG00000242474.3	80.96020939	0.027664	0.546839	0.050589	0.959653
ENSG00000134775.15	80.96927972	0.48659	0.520481	0.934884	0.349848
ENSG00000167693.17	81.00692662	0.626402	0.512387	1.222516	0.221512
ENSG00000215190.9	81.03503963	-0.57022	0.545268	-1.04576	0.29567
ENSG00000101639.18	81.07776326	0.796482	0.567757	1.402857	0.160659
ENSG00000213366.13	81.07920212	-0.01116	0.517574	-0.02156	0.982803
ENSG00000131697.18	81.10480454	0.459307	0.532639	0.862323	0.38851
ENSG00000175147.13	81.13323532	0.037201	0.51643	0.072034	0.942575
ENSG00000121898.13	81.14791789	0.50121	0.579687	0.864622	0.387246
ENSG00000144583.5	81.15040752	1.026767	0.552655	1.857879	0.063186
ENSG00000165548.11	81.15913893	0.236233	0.515862	0.457938	0.646997
ENSG00000260136.6	81.22349641	-0.17216	0.509548	-0.33787	0.735464

ENSG00000145416.13	81.28891143	-1.26305	0.51062	-2.47356	0.013378
ENSG00000253392.3	81.29167637	-0.11077	0.563416	-0.1966	0.844139
ENSG00000181938.14	81.29772347	0.313584	0.520359	0.60263	0.546755
ENSG00000171320.15	81.31220016	-0.12281	0.556669	-0.22062	0.825389
ENSG00000176024.18	81.32346023	-0.28088	0.558121	-0.50327	0.614778
ENSG00000106346.11	81.35118712	-0.35882	0.542135	-0.66186	0.508062
ENSG00000139910.20	81.39208142	0.645634	0.523969	1.232199	0.217875
ENSG00000148200.17	81.44157046	-0.24394	0.563594	-0.43283	0.665139
ENSG00000274629.1	81.45735011	0.77302	0.542514	1.424885	0.15419
ENSG00000176444.19	81.45764644	0.254995	0.50691	0.503038	0.614937
ENSG00000133116.8	81.47035447	-0.24631	0.533847	-0.46139	0.64452
ENSG00000121897.15	81.5534221	0.204825	0.559481	0.366098	0.714292
ENSG00000145945.7	81.56601195	-0.25764	0.519038	-0.49638	0.619624
ENSG00000137812.20	81.63490088	0.410331	0.574657	0.714045	0.4752
ENSG00000124107.5	81.74604588	-0.30185	0.575089	-0.52488	0.599666
ENSG00000152455.16	81.78154476	-0.21422	0.52852	-0.40532	0.685244
ENSG00000248932.6	81.81695978	-0.79007	0.54594	-1.44717	0.147849
ENSG00000166169.17	81.84426192	0.01301	0.50622	0.025699	0.979497
ENSG00000271741.1	81.87188414	-1.16873	0.609365	-1.91795	0.055117
ENSG00000156853.13	81.92574711	-0.10371	0.513699	-0.20188	0.840007
ENSG00000258366.9	81.95252717	1.397551	0.60339	2.316164	0.020549
ENSG00000153162.9	82.01024203	0.858264	0.532782	1.61091	0.107199
ENSG00000101004.15	82.01729807	-0.53566	0.513982	-1.04218	0.29733
ENSG00000185101.13	82.02834917	0.105793	0.558979	0.189261	0.849888
ENSG00000139629.16	82.04408627	-0.8214	0.57674	-1.42422	0.154383
ENSG00000185304.15	82.10346283	-4.34935	1.890828	-2.30024	0.021435
ENSG00000168404.13	82.10740563	-0.05178	0.539724	-0.09593	0.923573
ENSG00000196090.12	82.10850649	0.73965	0.539004	1.372254	0.169984
ENSG00000188681.11	82.1321366	-0.40784	0.508887	-0.80143	0.422884
ENSG00000223797.6	82.26828334	0.222796	0.512639	0.434606	0.663849
ENSG00000126970.16	82.34176508	-0.33982	0.547306	-0.62089	0.534673
ENSG00000247315.4	82.38539782	0.79159	0.523307	1.512667	0.130364
ENSG00000275496.4	82.4341244	0.940029	1.661228	0.565864	0.571486
ENSG00000162511.8	82.45338144	-0.0381	0.586937	-0.06491	0.948246
ENSG00000087253.13	82.45872065	-0.32722	0.512873	-0.63802	0.523464
ENSG00000260549.2	82.51094949	-0.4186	0.541964	-0.77238	0.439889
ENSG00000183833.16	82.51339263	-0.25292	0.52513	-0.48164	0.630063
ENSG00000162512.16	82.59470401	0.477055	0.504335	0.94591	0.344194
ENSG00000273711.2	82.60287895	-0.20691	0.510669	-0.40517	0.685352
ENSG00000283375.1	82.66673483	-0.36459	0.511648	-0.71258	0.476106
ENSG00000079387.14	82.70137939	-0.02068	0.533407	-0.03876	0.969079
ENSG00000118655.7	82.71285504	0.141501	0.502259	0.28173	0.778151
ENSG00000269292.1	82.73054355	0.391184	0.551705	0.709047	0.478295
ENSG00000160256.13	82.77739475	1.03907	0.529525	1.962268	0.049731
ENSG00000164010.15	82.80912576	-0.26279	0.545475	-0.48177	0.629971
ENSG00000133106.14	82.84526421	0.077125	0.51115	0.150885	0.880067
ENSG00000159231.6	82.86409782	0.33543	0.588353	0.570117	0.568598
ENSG00000116761.12	82.90310089	-0.2507	0.524371	-0.47809	0.632584
ENSG00000257315.3	83.01102957	-2.12269	1.809645	-1.17299	0.240802
ENSG00000091831.24	83.03309822	0.427664	0.586714	0.728913	0.466055
ENSG00000043591.6	83.03946182	0.621699	0.529403	1.174341	0.240259
ENSG00000228463.10	83.04078691	0.21595	0.72772	0.296749	0.766658

ENSG00000007944.15	83.06974742	0.3016	0.527961	0.571254	0.567827
ENSG00000137571.11	83.07406886	0.444268	0.535365	0.829841	0.406629
ENSG00000140548.10	83.07616311	0.298232	0.529904	0.562803	0.573569
ENSG00000109680.11	83.11674622	-0.49823	0.534694	-0.93181	0.351435
ENSG00000108239.9	83.11945904	0.292509	0.52839	0.553585	0.579863
ENSG00000166997.8	83.12149567	0.183574	0.534761	0.343283	0.731386
ENSG00000256813.1	83.14063143	0.354577	0.601316	0.589667	0.555414
ENSG00000102743.15	83.2203444	-0.25496	0.504504	-0.50537	0.613299
ENSG00000103253.18	83.24005763	0.036973	0.51976	0.071134	0.943291
ENSG00000165138.18	83.33263562	0.401804	0.5644	0.711914	0.476518
ENSG00000136040.9	83.36025737	0.142846	0.535547	0.26673	0.789677
ENSG00000160392.13	83.36216315	0.231124	0.50246	0.459985	0.645527
ENSG00000158806.14	83.38163965	-0.02563	0.542829	-0.04721	0.962345
ENSG00000213390.11	83.40768389	0.825946	0.673401	1.226528	0.22
ENSG00000156313.15	83.41292867	-0.48637	0.514187	-0.9459	0.344198
ENSG00000106541.12	83.41928917	0.873299	0.651001	1.341472	0.179767
ENSG00000144115.17	83.42811956	-0.17016	0.572481	-0.29723	0.766295
ENSG00000181896.12	83.4553671	0.474562	0.638402	0.743359	0.457264
ENSG00000154114.12	83.48593141	-0.0977	0.530324	-0.18423	0.853835
ENSG00000171262.11	83.51638906	0.376988	0.522633	0.721324	0.47071
ENSG00000242732.4	83.52920635	1.284978	0.639692	2.008743	0.044564
ENSG00000184207.9	83.53228844	1.534012	0.59826	2.564125	0.010344
ENSG00000198315.11	83.56970901	-0.14249	0.501417	-0.28416	0.776284
ENSG00000182648.13	83.59876333	-0.06072	0.559189	-0.10858	0.913538
ENSG00000006016.11	83.64141814	1.246334	0.534683	2.330976	0.019755
ENSG000000054690.14	83.72903019	0.28052	0.504694	0.555823	0.578332
ENSG00000171806.12	83.74799601	-0.01004	0.502963	-0.01997	0.98407
ENSG00000105647.19	83.75286155	0.697665	0.526906	1.324079	0.185477
ENSG00000100490.9	83.82711958	0.052823	0.556056	0.094997	0.924318
ENSG00000272168.8	83.8604796	0.053794	0.540043	0.099611	0.920653
ENSG00000108784.10	83.86839398	0.918541	0.504911	1.819214	0.068879
ENSG00000122585.8	83.87181439	-1.34186	0.672375	-1.99571	0.045966
ENSG00000109743.11	83.88470848	-0.50101	0.513885	-0.97495	0.329584
ENSG00000129810.15	83.90200512	-0.00626	0.587688	-0.01065	0.9915
ENSG000000005108.16	83.95132218	0.347897	0.598733	0.581056	0.561203
ENSG00000153234.15	84.00851695	0.089249	0.565801	0.15774	0.874662
ENSG00000177192.14	84.05581379	0.789688	0.502581	1.571266	0.116121
ENSG00000138101.18	84.09267918	-0.39684	0.516611	-0.76816	0.442394
ENSG00000197417.9	84.09726619	0.042117	0.54704	0.07699	0.938631
ENSG00000205763.13	84.10422864	0.293603	0.528336	0.555713	0.578407
ENSG00000272674.3	84.14610703	0.378005	0.575513	0.656814	0.511301
ENSG00000104691.15	84.17763312	-0.18107	0.501604	-0.36098	0.718116
ENSG000000080819.9	84.23500149	0.765811	0.507332	1.509486	0.131175
ENSG000000008300.17	84.25955879	0.047059	0.507625	0.092704	0.926138
ENSG000000091664.9	84.31188765	0.278362	0.557981	0.498873	0.617869
ENSG00000125843.11	84.39289954	0.519144	0.514882	1.008278	0.313321
ENSG00000105289.15	84.39934483	-0.11225	0.543935	-0.20636	0.836507
ENSG00000253438.4	84.45446308	-0.82488	0.510857	-1.61471	0.106374
ENSG00000277701.5	84.4699089	1.097126	0.533902	2.054921	0.039887
ENSG00000256073.3	84.4803735	0.061531	0.499377	0.123215	0.901937
ENSG00000283761.1	84.53344426	-1.81823	0.526799	-3.45148	0.000558
ENSG00000197037.11	84.5472511	-0.08902	0.535172	-0.16635	0.867885

ENSG00000167395.10	84.65545199	0.818802	0.511587	1.600512	0.109485
ENSG00000127954.12	84.68415121	-0.43955	0.560279	-0.78453	0.43273
ENSG00000188611.15	84.74498332	-1.579	0.606133	-2.60505	0.009186
ENSG00000249786.7	84.76179734	0.075105	0.506534	0.148273	0.882127
ENSG00000163617.11	84.80056872	-0.32156	0.499225	-0.64412	0.519496
ENSG00000112561.18	84.809697	0.223743	0.553579	0.404175	0.686084
ENSG00000182636.8	84.83930433	1.147697	0.541614	2.119033	0.034088
ENSG00000184979.10	84.87214571	-0.1452	0.539734	-0.26902	0.787914
ENSG00000082458.12	84.87417981	-0.39016	0.532592	-0.73258	0.463817
ENSG00000132840.10	84.98090871	0.25545	0.529079	0.48282	0.629224
ENSG00000153885.14	85.01586393	0.992808	0.583237	1.702238	0.088711
ENSG00000157693.15	85.0906154	0.008235	0.572917	0.014373	0.988532
ENSG00000173272.16	85.10089865	0.631842	0.508236	1.243206	0.213792
ENSG00000103485.19	85.11231746	-0.16267	0.507189	-0.32073	0.748416
ENSG00000148158.17	85.14472604	0.287906	0.524906	0.548491	0.583355
ENSG00000162836.12	85.15999089	-0.2982	0.530743	-0.56185	0.574216
ENSG00000103852.13	85.26318532	0.2399	0.507119	0.473063	0.636168
ENSG00000286223.1	85.26712363	-0.14413	0.500389	-0.28804	0.773312
ENSG00000196152.10	85.31928462	-0.08757	0.54896	-0.15952	0.873261
ENSG00000168062.10	85.34443748	-0.19056	0.526555	-0.36191	0.717422
ENSG00000116117.18	85.35147284	0.158495	0.533593	0.297034	0.766441
ENSG00000231365.6	85.35294038	-0.45284	0.507441	-0.8924	0.372176
ENSG00000103047.8	85.38940865	0.372286	0.50173	0.742005	0.458084
ENSG00000164087.8	85.41540423	-0.27943	0.517259	-0.5402	0.589056
ENSG00000272333.7	85.42151909	0.465904	0.524998	0.887439	0.374843
ENSG00000126603.9	85.42956032	0.408303	0.501868	0.813566	0.415894
ENSG00000197959.14	85.46808352	-0.80797	0.524611	-1.54014	0.123527
ENSG00000271147.8	85.47014721	-0.34224	0.504948	-0.67778	0.497913
ENSG00000176293.20	85.47499841	-0.07779	0.513899	-0.15138	0.879677
ENSG00000069188.17	85.55141359	0.623632	0.626051	0.996137	0.319184
ENSG00000109944.11	85.57057749	-0.36938	0.508859	-0.7259	0.467898
ENSG00000128512.23	85.65140054	0.214534	0.510325	0.420387	0.674202
ENSG00000139832.5	85.70011313	0.052355	0.565834	0.092527	0.926279
ENSG00000112320.12	85.71866002	0.31243	0.506993	0.616241	0.537736
ENSG00000180787.6	85.73037624	-0.40922	0.542183	-0.75476	0.450393
ENSG00000177084.18	85.74988282	0.868725	0.572937	1.516266	0.129452
ENSG00000204220.12	85.75990871	0.298309	0.507592	0.587695	0.556737
ENSG00000129480.13	85.80751795	-0.09304	0.498231	-0.18674	0.851864
ENSG00000153292.16	85.83180721	-0.56161	0.510258	-1.10063	0.271056
ENSG00000115568.15	85.85520457	0.015299	0.503837	0.030364	0.975777
ENSG00000139438.6	85.86972187	0.307198	0.501854	0.612126	0.540454
ENSG00000145088.9	85.87980681	-0.47019	0.549383	-0.85585	0.392082
ENSG00000204946.10	85.93631361	0.552161	0.515799	1.070498	0.284395
ENSG00000236088.10	85.94205291	-0.43325	0.53092	-0.81604	0.414478
ENSG00000143786.8	85.94640262	-0.04637	0.523468	-0.08857	0.929421
ENSG00000106829.20	85.96053203	0.715932	0.580257	1.233819	0.21727
ENSG00000117594.10	85.98296181	-0.48659	0.573342	-0.84869	0.396053
ENSG00000241399.7	86.00944638	-0.33332	0.498299	-0.66892	0.503549
ENSG00000148219.16	86.01957253	-0.3505	0.551285	-0.63579	0.524912
ENSG00000135763.10	86.01960583	-0.25148	0.542684	-0.46341	0.643072
ENSG00000137507.11	86.06010616	1.470637	0.543918	2.703786	0.006855
ENSG00000160867.15	86.06185087	-0.13253	0.508946	-0.26041	0.794548

ENSG00000124126.14	86.10380488	-0.08316	0.611482	-0.136	0.891821
ENSG00000168286.3	86.10970751	0.551095	0.511989	1.076382	0.281757
ENSG00000177125.5	86.13351892	-0.404	0.573105	-0.70492	0.480857
ENSG00000203778.8	86.14572857	-0.18074	0.534445	-0.33819	0.735219
ENSG00000047578.13	86.15637308	0.412049	0.598861	0.688054	0.491419
ENSG00000164898.13	86.21455877	0.357881	0.525412	0.681143	0.495781
ENSG00000274021.1	86.24632449	-0.99819	0.62871	-1.58768	0.112359
ENSG00000112742.10	86.26804394	0.758693	0.583641	1.29993	0.193625
ENSG00000114638.8	86.29348838	0.00839	0.650968	0.012888	0.989717
ENSG00000107815.10	86.41711089	-0.26147	0.526377	-0.49674	0.619374
ENSG00000151150.22	86.48615138	1.195811	0.527589	2.266558	0.023417
ENSG00000233461.6	86.51807781	0.475627	0.55415	0.8583	0.390727
ENSG00000158805.12	86.53028419	0.692795	0.538602	1.286284	0.198344
ENSG00000279289.1	86.53154582	-0.20649	0.53397	-0.38671	0.698972
ENSG00000173581.8	86.54479322	-0.07073	0.534491	-0.13233	0.894724
ENSG00000188766.12	86.59386086	0.578224	0.514025	1.124895	0.260634
ENSG00000111224.14	86.59681836	-0.37219	0.503093	-0.7398	0.459423
ENSG00000151067.22	86.60160966	-0.0867	0.540957	-0.16027	0.872671
ENSG00000206579.9	86.62064012	0.368337	0.51214	0.719212	0.47201
ENSG00000136169.16	86.62164564	-0.33477	0.534282	-0.62659	0.530931
ENSG00000184602.6	86.67058646	0.534696	0.541107	0.988151	0.323078
ENSG00000101134.12	86.69853308	0.42347	0.502413	0.842872	0.3993
ENSG00000112182.15	86.70962555	-0.20927	0.542446	-0.38579	0.699655
ENSG00000152443.13	86.71207411	0.154862	0.569565	0.271895	0.785703
ENSG00000182963.11	86.74356496	0.956097	0.528963	1.807492	0.070686
ENSG00000105707.14	86.76139701	-0.50577	0.506677	-0.99821	0.318177
ENSG00000185008.17	86.76213642	0.057647	0.551349	0.104556	0.916728
ENSG00000133597.11	86.80955609	0.52865	0.547309	0.965907	0.334091
ENSG00000213160.10	86.84771574	0.567286	0.537234	1.055939	0.290996
ENSG00000180914.10	86.9028322	1.537516	0.585443	2.626245	0.008633
ENSG00000174010.9	86.90942736	-0.01689	0.56327	-0.02998	0.976079
ENSG00000079335.20	86.96071574	-0.75555	0.516862	-1.46181	0.143793
ENSG00000212978.6	87.11181739	0.117675	0.537023	0.219125	0.826553
ENSG00000165046.13	87.11904441	0.412503	0.530541	0.777513	0.436856
ENSG00000118162.14	87.12864931	0.095326	0.497142	0.191748	0.847939
ENSG00000163590.14	87.16512758	-0.81025	0.52004	-1.55805	0.119222
ENSG00000273590.4	87.166145	-0.65995	0.830961	-0.7942	0.427079
ENSG00000105643.10	87.20357261	-0.16589	0.521591	-0.31804	0.750452
ENSG00000167964.13	87.23588185	-0.18707	0.531999	-0.35164	0.725111
ENSG00000272430.1	87.25226859	-0.07483	0.496855	-0.15061	0.880286
ENSG00000117643.14	87.28195533	0.590104	0.617829	0.955125	0.339514
ENSG00000121152.10	87.2972721	0.20914	0.565374	0.369913	0.711447
ENSG00000150977.10	87.313662	0.714638	0.494097	1.446353	0.148078
ENSG00000138834.14	87.3205953	0.959664	0.512593	1.872173	0.061183
ENSG00000161888.11	87.33885643	0.535007	0.692541	0.772527	0.439802
ENSG00000164877.19	87.36039707	0.245427	0.66572	0.368664	0.712378
ENSG00000176593.8	87.36488857	0.823554	0.5167	1.593873	0.110965
ENSG00000241058.4	87.38717239	0.051062	0.572698	0.08916	0.928954
ENSG00000286619.1	87.40216326	0.386923	0.614762	0.629386	0.529096
ENSG00000187790.11	87.44789993	-0.05034	0.519868	-0.09683	0.922858
ENSG00000164199.18	87.45796288	-0.21771	0.495923	-0.43899	0.660668
ENSG00000236753.7	87.46665211	-0.52377	0.49929	-1.04904	0.294161

ENSG00000274020.4	87.49239692	0.077583	0.534645	0.145111	0.884623
ENSG00000175573.7	87.49642954	0.614551	0.511965	1.200378	0.229993
ENSG00000082512.15	87.50623864	-0.15182	0.511738	-0.29668	0.766711
ENSG00000145087.13	87.51608684	-0.22143	0.535024	-0.41387	0.678972
ENSG00000160218.13	87.58826636	-0.10366	0.530554	-0.19538	0.845099
ENSG00000275111.5	87.59353207	-0.47531	0.523679	-0.90764	0.364069
ENSG00000160703.16	87.61311827	0.145129	0.512269	0.283306	0.776942
ENSG00000232940.6	87.62050382	-0.30322	0.523618	-0.57908	0.562536
ENSG00000042317.17	87.64354928	-0.08578	0.50461	-0.16999	0.865015
ENSG00000286219.1	87.6531508	-1.06122	0.554754	-1.91295	0.055755
ENSG00000143498.18	87.65399866	-0.54791	0.507906	-1.07876	0.280696
ENSG00000127220.6	87.67206603	0.161767	0.53662	0.301456	0.763067
ENSG00000105865.11	87.69472441	-0.06219	0.523041	-0.1189	0.905358
ENSG00000288528.1	87.69896657	-0.24342	0.4973	-0.48949	0.624493
ENSG00000177181.15	87.71720361	-0.68236	0.690932	-0.9876	0.323348
ENSG00000137878.17	87.75252145	0.581247	0.554535	1.048169	0.294561
ENSG00000147118.12	87.76582978	-0.75622	0.516701	-1.46355	0.143316
ENSG00000276045.3	87.82255583	0.634225	0.566614	1.119325	0.263001
ENSG00000103995.14	87.87147183	0.313761	0.531495	0.590338	0.554964
ENSG00000149781.12	87.93171567	0.401478	0.576178	0.696796	0.485931
ENSG00000105708.9	87.93961965	-0.97598	0.548092	-1.78069	0.074963
ENSG00000223572.10	87.94587139	-0.56014	0.506784	-1.10528	0.269039
ENSG00000227354.7	88.00459575	-0.04316	0.514862	-0.08383	0.933188
ENSG00000181409.14	88.00847851	1.324403	0.521833	2.537981	0.011149
ENSG00000123552.18	88.01768502	-0.33841	0.492654	-0.6869	0.492144
ENSG00000137764.20	88.08732942	-0.20916	0.497339	-0.42055	0.674082
ENSG00000168792.5	88.12051494	0.599926	0.528643	1.134842	0.256442
ENSG00000139651.11	88.12632887	0.207469	0.540449	0.383883	0.701065
ENSG00000172058.15	88.15507871	-0.30158	0.537441	-0.56113	0.574708
ENSG00000181915.5	88.16808526	0.495095	0.529617	0.934818	0.349882
ENSG00000177989.13	88.1869713	0.02883	0.498468	0.057837	0.953878
ENSG00000114473.14	88.22326961	0.144773	0.508554	0.284675	0.775893
ENSG00000170561.13	88.22993613	0.661361	0.505723	1.307756	0.190956
ENSG00000234585.6	88.23282384	-0.10036	0.508646	-0.19731	0.843585
ENSG00000126215.14	88.24031199	0.206817	0.529344	0.390705	0.696016
ENSG00000189157.14	88.24091293	-0.49901	0.551535	-0.90477	0.365586
ENSG00000246695.8	88.26721123	0.665186	0.496866	1.338764	0.180648
ENSG00000182141.10	88.27466154	-1.73641	0.583223	-2.97727	0.002908
ENSG00000184905.9	88.27999435	0.305129	0.553469	0.551302	0.581427
ENSG00000144191.12	88.28710567	-0.49738	0.546817	-0.9096	0.363033
ENSG00000244491.1	88.31488741	1.493036	0.539342	2.768253	0.005636
ENSG00000235098.8	88.33166394	-0.26922	0.536921	-0.50142	0.616076
ENSG00000249087.7	88.34162303	0.844935	0.708211	1.193055	0.232848
ENSG00000196372.13	88.36215233	-0.14358	0.534024	-0.26887	0.788032
ENSG00000176974.20	88.36808204	0.049909	0.511381	0.097596	0.922253
ENSG00000146067.16	88.37637151	0.138263	0.501797	0.275536	0.782905
ENSG00000154764.6	88.38107832	-0.01901	0.606094	-0.03136	0.974983
ENSG00000176273.15	88.40933128	-0.21903	0.50011	-0.43797	0.661406
ENSG00000147124.12	88.42762699	0.06444	0.524174	0.122935	0.902158
ENSG00000198406.7	88.43130445	-3.40417	1.816578	-1.87395	0.060938
ENSG00000099219.14	88.45650072	-0.07549	0.518157	-0.1457	0.884159
ENSG00000112297.18	88.45733357	0.007344	0.496544	0.014789	0.9882

ENSG00000177706.9	88.50202362	0.496355	0.53967	0.919738	0.35771
ENSG00000119547.6	88.5565579	0.60702	0.500344	1.213205	0.225051
ENSG00000167969.13	88.57271488	1.019543	0.58676	1.737582	0.082284
ENSG00000179913.11	88.61148068	-0.06243	0.585453	-0.10663	0.915079
ENSG00000161298.18	88.61221143	-0.13159	0.507736	-0.25917	0.795501
ENSG00000259865.1	88.62237104	-0.84599	0.572982	-1.47647	0.139818
ENSG00000187068.3	88.63927725	0.754779	0.679148	1.111362	0.266413
ENSG00000197557.7	88.65669156	-0.10034	0.540021	-0.1858	0.8526
ENSG00000097046.13	88.66096981	-0.10895	0.511185	-0.21313	0.831223
ENSG00000198455.4	88.66781645	-0.25447	0.490753	-0.51853	0.604087
ENSG00000196502.11	88.70085696	-0.08012	0.524444	-0.15278	0.878574
ENSG00000083812.12	88.79287084	0.31189	0.507679	0.614344	0.538988
ENSG00000169894.18	88.86064948	-0.52557	0.535762	-0.98098	0.326601
ENSG00000099256.19	88.89707514	-0.10934	0.557174	-0.19623	0.844429
ENSG00000158882.15	88.93652562	0.087508	0.534466	0.163729	0.869944
ENSG00000158286.13	88.97793747	0.174635	0.50022	0.349116	0.727002
ENSG00000174791.11	88.99819453	-0.16365	0.521737	-0.31366	0.753781
ENSG00000180233.11	89.04305723	0.507502	0.529081	0.959213	0.337451
ENSG00000064012.22	89.06048504	0.292467	0.508158	0.575544	0.564924
ENSG00000265590.10	89.11779431	-1.67305	0.647279	-2.58474	0.009745
ENSG00000115919.15	89.14007044	0.437838	0.65102	0.672542	0.501239
ENSG00000216775.3	89.15556415	-0.05018	0.519737	-0.09656	0.923079
ENSG00000010539.12	89.1651951	-0.32891	0.501539	-0.6558	0.511954
ENSG00000111319.13	89.18287312	0.336659	0.525786	0.640297	0.52198
ENSG00000121413.13	89.19518106	0.882049	0.515196	1.712064	0.086885
ENSG00000092445.12	89.24100516	0.670994	0.516739	1.298517	0.19411
ENSG00000204923.4	89.25113125	-0.37624	0.542409	-0.69365	0.4879
ENSG00000162804.14	89.30702693	0.645219	0.494499	1.304792	0.191964
ENSG00000164825.4	89.32053419	1.325403	0.600952	2.205505	0.027419
ENSG00000133627.18	89.32269186	-0.10805	0.531766	-0.20319	0.838984
ENSG00000267002.4	89.330492	0.577823	0.654376	0.883014	0.377229
ENSG00000112624.12	89.34729122	-0.72785	0.504002	-1.44414	0.148701
ENSG00000123570.4	89.34921087	0.106973	0.592467	0.180556	0.856716
ENSG00000213178.3	89.34924543	0.876639	0.556251	1.575976	0.115031
ENSG00000189184.11	89.37506031	0.624631	0.620681	1.006365	0.31424
ENSG00000134901.13	89.44752196	0.074345	0.51744	0.143679	0.885754
ENSG00000164142.16	89.45969084	0.264199	0.65962	0.400532	0.688765
ENSG00000261150.3	89.47398864	0.406127	0.571939	0.710088	0.47765
ENSG00000269600.2	89.52615409	-0.18552	0.519295	-0.35726	0.720897
ENSG00000184635.16	89.61572736	0.069813	0.503249	0.138725	0.889667
ENSG00000196569.13	89.62239885	0.995008	0.569277	1.747846	0.080491
ENSG00000111666.11	89.62746829	0.659557	0.516853	1.276102	0.201919
ENSG00000167588.13	89.65142075	-0.11725	0.615783	-0.1904	0.848995
ENSG00000188033.10	89.66062549	-0.03638	0.490417	-0.07418	0.940866
ENSG00000188488.14	89.74256143	-0.4151	0.603478	-0.68785	0.491547
ENSG00000008441.17	89.83580789	0.348123	0.581633	0.598527	0.549489
ENSG00000130940.15	89.89555546	0.582589	0.671135	0.868066	0.385358
ENSG00000237289.10	89.93083857	0.097077	0.529903	0.183198	0.854643
ENSG00000260852.1	89.93171713	0.464593	0.498652	0.931697	0.351493
ENSG00000100228.12	89.97298695	-0.51088	0.500943	-1.01984	0.307804
ENSG00000166111.10	89.99097885	-0.09217	0.495939	-0.18585	0.852562
ENSG00000169432.18	90.00855405	0.004258	0.51342	0.008293	0.993383

ENSG00000162063.13	90.03389243	0.317929	0.553434	0.574466	0.565653
ENSG00000130821.17	90.07502372	0.390148	0.504383	0.773515	0.439218
ENSG00000156983.16	90.08296568	0.599735	0.51628	1.161646	0.245379
ENSG00000179598.6	90.0835205	-0.68117	0.523666	-1.30078	0.193334
ENSG00000249242.8	90.12690865	0.163751	0.497791	0.328956	0.742189
ENSG00000256771.4	90.16173364	-0.58362	0.527686	-1.10599	0.268731
ENSG00000169679.15	90.16900993	0.044667	0.568387	0.078586	0.937362
ENSG00000285219.2	90.1838896	-0.13684	0.569689	-0.24019	0.81018
ENSG00000183579.16	90.21313245	0.18548	0.500575	0.370533	0.710985
ENSG00000185798.8	90.21892702	0.013562	0.489722	0.027694	0.977906
ENSG00000105696.9	90.32814719	-0.29146	0.5208	-0.55965	0.575721
ENSG00000223799.1	90.33779465	-0.07783	0.490765	-0.1586	0.873987
ENSG00000273489.1	90.34120963	-0.27988	0.509352	-0.54948	0.58268
ENSG00000176225.14	90.34403475	1.005323	0.555896	1.808472	0.070533
ENSG00000230844.3	90.35635284	0.450644	0.535831	0.841017	0.400338
ENSG00000197506.8	90.36685915	0.134472	0.549153	0.244872	0.806555
ENSG00000141576.16	90.4164674	0.608359	0.614486	0.990029	0.32216
ENSG00000119640.9	90.42375445	0.444346	0.533178	0.833392	0.404623
ENSG00000288534.1	90.42788519	0.41079	0.519256	0.791114	0.428878
ENSG00000255949.1	90.47269528	0.224647	0.490186	0.45829	0.646744
ENSG00000102543.14	90.60181979	0.028273	0.50863	0.055586	0.955672
ENSG00000174792.11	90.60695181	-1.18447	0.79456	-1.49072	0.136035
ENSG00000077942.19	90.61363671	-0.33537	0.494874	-0.67769	0.497971
ENSG00000185305.11	90.65177149	-0.87555	0.51108	-1.71314	0.086687
ENSG00000184545.11	90.67622368	-0.0783	0.508334	-0.15403	0.877587
ENSG00000151892.14	90.74151838	-0.23426	0.497394	-0.47098	0.637653
ENSG00000173068.18	90.76141166	1.029759	0.557585	1.84682	0.064773
ENSG00000148803.12	90.83202195	0.261645	0.503092	0.520073	0.603013
ENSG00000256007.1	90.90373552	0.352906	0.495391	0.712379	0.47623
ENSG00000221890.5	90.90486033	0.202062	0.495645	0.407674	0.683513
ENSG00000140931.20	90.9293865	0.129932	0.498257	0.260773	0.794268
ENSG00000168763.16	90.93771021	-0.2733	0.513001	-0.53275	0.594209
ENSG00000104835.15	91.00838778	0.445074	0.532791	0.835362	0.403514
ENSG00000006062.17	91.01377742	-0.29315	0.501583	-0.58445	0.558921
ENSG00000176371.14	91.06702382	-0.0179	0.496624	-0.03604	0.971249
ENSG00000112787.13	91.07269229	0.660247	0.487343	1.35479	0.175485
ENSG00000007545.16	91.08261294	0.243499	0.537783	0.452783	0.650705
ENSG00000132781.19	91.10419739	-0.11655	0.525843	-0.22164	0.824592
ENSG00000268350.7	91.11064589	0.856898	0.565351	1.515691	0.129597
ENSG00000108786.11	91.11235386	-0.21144	0.576713	-0.36663	0.713891
ENSG00000165275.10	91.13514717	0.048658	0.533128	0.091269	0.927279
ENSG00000134245.18	91.13910343	0.154151	0.496558	0.310439	0.756227
ENSG00000285827.1	91.17084644	0.075921	0.487274	0.155808	0.876185
ENSG00000008735.14	91.19806136	0.768009	0.514824	1.491791	0.135754
ENSG00000142279.13	91.23340389	1.33362	0.502707	2.652877	0.007981
ENSG00000138696.11	91.26063796	0.187222	0.552296	0.338988	0.734619
ENSG00000108924.14	91.27248837	-1.51746	0.503655	-3.01289	0.002588
ENSG00000237172.4	91.28872797	0.869125	0.507058	1.714056	0.086518
ENSG00000285589.1	91.32634628	0.147013	0.511763	0.287269	0.773906
ENSG00000154839.10	91.33145413	0.249724	0.506335	0.493198	0.621872
ENSG00000101624.11	91.33512572	-0.15732	0.505426	-0.31127	0.755594
ENSG00000286156.1	91.37558899	-0.37404	0.507597	-0.73688	0.461194

ENSG00000258790.1	91.41887447	0.045701	0.576517	0.07927	0.936818
ENSG00000166033.13	91.51383511	0.560494	0.550301	1.018523	0.30843
ENSG00000104998.4	91.55679215	-0.56765	0.50208	-1.13059	0.258226
ENSG00000196793.13	91.57090981	-0.37365	0.533951	-0.69979	0.484061
ENSG00000012048.23	91.63073383	-0.1656	0.503655	-0.3288	0.742307
ENSG00000068724.17	91.66572099	0.129892	0.491432	0.264313	0.791539
ENSG00000120162.10	91.66718015	-0.47338	0.488067	-0.96992	0.332089
ENSG00000168502.17	91.69528622	0.117352	0.493995	0.237557	0.812225
ENSG00000177225.17	91.70081452	-0.13089	0.504937	-0.25921	0.79547
ENSG00000014138.9	91.7624641	0.242742	0.59977	0.404725	0.685679
ENSG00000133739.16	91.81955798	-0.33294	0.487638	-0.68276	0.494756
ENSG00000139174.12	91.88936385	0.158365	0.546653	0.2897	0.772046
ENSG00000078687.17	92.02671693	0.319563	0.530267	0.602645	0.546745
ENSG00000125846.15	92.03758036	-0.16766	0.507587	-0.3303	0.741175
ENSG00000213886.4	92.04008321	0.87867	0.554157	1.585598	0.112831
ENSG00000185477.5	92.04693814	0.0617	0.516798	0.119388	0.904968
ENSG00000130511.16	92.05662746	1.066566	0.488083	2.185215	0.028873
ENSG00000241489.8	92.06544963	-1.32325	0.623617	-2.1219	0.033846
ENSG00000008086.13	92.09144619	-0.64583	0.5099	-1.26657	0.205308
ENSG00000188807.13	92.09528472	0.438217	0.497777	0.880349	0.37867
ENSG00000172572.7	92.09591244	0.720237	0.485923	1.482206	0.138286
ENSG00000188112.9	92.09703361	0.482763	0.51446	0.938388	0.348045
ENSG00000144182.17	92.23752319	-0.31382	0.492595	-0.63708	0.524073
ENSG00000239665.8	92.25360836	-0.01584	0.485757	-0.03261	0.973987
ENSG00000185480.11	92.28073069	0.092139	0.518524	0.177694	0.858963
ENSG00000167548.16	92.28610479	0.394534	0.598613	0.65908	0.509844
ENSG00000180257.14	92.29338791	-0.65543	0.508817	-1.28815	0.197695
ENSG00000273136.7	92.33571705	0.505569	0.644784	0.784091	0.432987
ENSG00000102802.10	92.38545828	0.631211	0.529057	1.193087	0.232835
ENSG00000172250.16	92.38816264	0.140788	0.536337	0.262498	0.792937
ENSG00000267640.6	92.4825374	-0.77789	0.627021	-1.24061	0.214749
ENSG00000259171.1	92.48796518	-1.61739	2.025577	-0.79849	0.424589
ENSG00000203760.9	92.50092807	-0.0957	0.570435	-0.16777	0.866764
ENSG00000166402.9	92.5213331	0.080034	0.49878	0.160459	0.872519
ENSG00000153832.12	92.62333747	-0.45939	0.486667	-0.94394	0.345199
ENSG00000072954.7	92.66232493	0.164017	0.49298	0.332705	0.739357
ENSG00000140025.16	92.77984686	-0.36224	0.507624	-0.7136	0.475476
ENSG00000196482.18	92.79040614	-0.77265	0.519184	-1.48821	0.136697
ENSG00000103021.9	92.79363568	-0.53789	0.493019	-1.09101	0.275267
ENSG00000165424.7	92.85313096	0.223434	0.498614	0.44811	0.654073
ENSG00000161920.11	92.86151458	-0.2465	0.525281	-0.46927	0.638875
ENSG00000176953.12	92.89337318	0.268534	0.491376	0.546493	0.584727
ENSG00000128298.17	92.90120493	0.290756	0.533495	0.545002	0.585752
ENSG00000260942.1	92.9013275	0.406377	0.54564	0.744771	0.45641
ENSG00000214135.8	92.9033026	-0.78827	0.517083	-1.52445	0.127397
ENSG00000021300.14	92.93244548	-0.35696	0.533127	-0.66957	0.503135
ENSG00000129038.16	92.95187582	-0.38858	0.627874	-0.61887	0.535999
ENSG00000204227.5	92.96425727	0.252745	0.562855	0.449042	0.653401
ENSG00000072133.11	93.03385136	-0.77358	0.60423	-1.28027	0.20045
ENSG00000144026.12	93.07194238	0.654502	0.498836	1.312058	0.1895
ENSG00000140022.13	93.09825183	-0.18192	0.499773	-0.364	0.715856
ENSG00000272476.1	93.2032141	-0.50865	0.508533	-1.00022	0.317202

ENSG00000178921.14	93.2161192	0.455239	0.495669	0.918434	0.358392
ENSG00000221909.3	93.22008308	-0.094	0.50555	-0.18594	0.852493
ENSG00000067177.15	93.2247986	-0.47814	0.494124	-0.96765	0.333218
ENSG00000273432.1	93.2427115	-0.17833	0.511846	-0.34841	0.727535
ENSG00000172840.7	93.24811309	-0.71088	0.494198	-1.43846	0.150303
ENSG00000168389.18	93.30269164	-0.49878	0.5262	-0.94789	0.343184
ENSG00000101216.11	93.32818885	0.281274	0.504444	0.557591	0.577124
ENSG00000256087.7	93.34181871	-0.08585	0.509392	-0.16853	0.86617
ENSG00000177465.4	93.37491583	-0.11231	0.522262	-0.21504	0.829737
ENSG00000128886.12	93.40246179	-0.22943	0.511309	-0.44872	0.653633
ENSG00000168936.11	93.40981827	0.854268	0.500655	1.7063	0.087952
ENSG00000170624.13	93.45999493	0.913044	0.652164	1.400021	0.161507
ENSG00000197106.7	93.46312773	-0.24131	0.520623	-0.4635	0.643009
ENSG00000137628.17	93.46502382	-0.28997	0.556298	-0.52124	0.602197
ENSG00000166860.3	93.50946632	-0.38184	0.483981	-0.78895	0.430138
ENSG00000091592.16	93.51787489	-0.92682	0.53013	-1.74829	0.080414
ENSG00000198729.5	93.54645275	0.278167	0.497814	0.558778	0.576313
ENSG00000101544.9	93.57122888	0.888648	0.560895	1.584339	0.113117
ENSG00000064199.7	93.66447448	-0.2139	0.516594	-0.41407	0.678826
ENSG00000100473.18	93.68923707	-0.39886	0.511826	-0.77929	0.435807
ENSG00000285517.1	93.71094341	0.078344	0.545796	0.143541	0.885863
ENSG00000122432.18	93.82643089	0.377072	0.566566	0.66554	0.505705
ENSG00000267106.8	93.85614148	0.065882	0.494532	0.13322	0.894019
ENSG00000267796.8	93.88204572	-0.55383	0.52755	-1.04982	0.2938
ENSG00000171970.13	93.91457898	-0.11654	0.501457	-0.2324	0.81623
ENSG00000164002.11	93.92784958	-0.30339	0.540251	-0.56158	0.574402
ENSG00000164180.14	93.93450738	0.156562	0.548718	0.285323	0.775397
ENSG00000243742.5	93.94412563	0.726196	0.542516	1.33857	0.180711
ENSG00000146530.14	93.95559932	-0.35544	0.491225	-0.72358	0.469321
ENSG00000197208.6	93.95824374	-0.19211	0.514918	-0.37308	0.709087
ENSG00000215421.9	93.9669725	0.1371	0.526613	0.260343	0.794599
ENSG00000103067.14	93.98815223	-0.18139	0.565918	-0.32053	0.748567
ENSG00000259663.2	94.05201737	-0.0636	0.532326	-0.11947	0.904903
ENSG0000012779.11	94.08110827	-0.3599	0.510422	-0.7051	0.480747
ENSG00000120915.14	94.1473238	0.175386	0.5741	0.305497	0.759988
ENSG00000196782.12	94.15745341	0.351067	0.482942	0.726933	0.467267
ENSG00000167523.13	94.17148899	0.217715	0.484508	0.449353	0.653177
ENSG00000166387.13	94.22612904	0.06817	0.561933	0.121313	0.903443
ENSG00000138463.9	94.3352723	-0.20027	0.49563	-0.40406	0.686166
ENSG00000154589.7	94.336433	-0.09809	0.562815	-0.17428	0.861647
ENSG00000204304.12	94.35456478	0.365727	0.486439	0.751845	0.452144
ENSG00000050344.9	94.36225804	0.442946	0.539057	0.821706	0.411244
ENSG00000138378.19	94.36773146	0.049087	0.499852	0.098202	0.921772
ENSG00000114739.14	94.37298288	-0.13354	0.617899	-0.21612	0.828896
ENSG00000154429.11	94.38969453	-0.06186	0.481739	-0.12842	0.897819
ENSG00000170954.11	94.40672878	0.254217	0.573421	0.443334	0.657524
ENSG00000109618.12	94.41133862	-0.616	0.529389	-1.1636	0.244588
ENSG00000110628.16	94.42738286	-0.29306	0.497932	-0.58856	0.556156
ENSG00000124608.5	94.48153381	0.329798	0.49388	0.667769	0.504281
ENSG00000287086.1	94.4833191	-0.06069	0.498445	-0.12175	0.903095
ENSG00000197050.11	94.48522091	-0.64545	0.510384	-1.26463	0.206004
ENSG00000234327.8	94.48995005	0.350879	0.511088	0.686534	0.492376

ENSG00000158079.16	94.51090323	0.052915	0.489557	0.108088	0.913926
ENSG00000146757.14	94.51610403	0.321495	0.487139	0.659966	0.509275
ENSG00000267321.3	94.52206127	0.488335	0.501826	0.973115	0.330496
ENSG00000173599.15	94.54630124	0.580825	0.491179	1.182512	0.237003
ENSG00000130347.13	94.57239352	-0.37347	0.561301	-0.66537	0.505813
ENSG00000275993.3	94.61302634	0.418852	0.543721	0.770344	0.441096
ENSG00000108106.14	94.63676059	1.82873	0.519536	3.51993	0.000432
ENSG00000099904.16	94.65590662	0.339872	0.481452	0.705932	0.48023
ENSG00000135749.19	94.67964332	0.256027	0.515572	0.496588	0.61948
ENSG00000119771.15	94.68303132	0.257343	0.495004	0.519881	0.603146
ENSG00000206337.12	94.71431274	2.550955	0.640456	3.983031	6.80E-05
ENSG00000100307.13	94.77201026	0.332095	0.484093	0.686014	0.492704
ENSG00000141738.14	94.80005956	-0.35458	0.49738	-0.7129	0.475909
ENSG00000214262.4	94.81112236	-1.1482	0.753933	-1.52295	0.127772
ENSG00000110328.6	94.82039405	-0.01725	0.489526	-0.03523	0.971896
ENSG00000162896.6	94.82102199	1.044044	0.643771	1.621764	0.104854
ENSG00000268471.6	94.86657743	0.355388	0.537634	0.661022	0.508599
ENSG00000197121.15	94.86724355	-0.69759	0.507639	-1.37419	0.169383
ENSG00000168781.22	94.88051462	-0.25933	0.531704	-0.48773	0.625743
ENSG00000088543.15	94.88083851	-0.63486	0.510319	-1.24404	0.213484
ENSG00000000460.17	94.89605185	-0.18896	0.524701	-0.36012	0.718755
ENSG00000105329.10	94.90372147	0.471149	0.493217	0.955258	0.339447
ENSG00000130244.12	94.91412205	-0.04876	0.485735	-0.10039	0.920035
ENSG00000132357.14	94.97815211	0.115363	0.59316	0.194489	0.845793
ENSG00000242221.9	94.97892778	-1.11276	0.609162	-1.82671	0.067744
ENSG00000140093.10	94.98117663	-0.53229	0.544632	-0.97735	0.328397
ENSG00000123485.12	95.02133539	0.42059	0.604474	0.695794	0.486558
ENSG00000171425.10	95.02260656	0.619912	0.486495	1.274241	0.202578
ENSG00000146576.13	95.03015229	0.365645	0.536462	0.681586	0.495501
ENSG00000167670.16	95.03467967	0.319071	0.502795	0.634595	0.525693
ENSG00000162341.18	95.1813895	-0.38037	0.5182	-0.73403	0.462933
ENSG00000196116.8	95.18804216	0.208364	0.493994	0.421795	0.673175
ENSG00000136379.12	95.23679234	0.516817	0.491995	1.050452	0.29351
ENSG00000109511.12	95.24462671	0.094533	0.569371	0.166031	0.868133
ENSG00000152147.11	95.28826025	-0.10097	0.489697	-0.20619	0.836644
ENSG00000092036.18	95.29716356	0.019624	0.529653	0.037051	0.970444
ENSG00000163607.17	95.36569796	-0.47611	0.500697	-0.9509	0.341654
ENSG00000158480.11	95.38848079	-0.02345	0.479614	-0.0489	0.960996
ENSG00000145982.13	95.41938783	-0.29234	0.500578	-0.58401	0.559213
ENSG00000105429.13	95.43444716	0.33813	0.483721	0.699018	0.484541
ENSG00000148400.12	95.46002585	-0.25021	0.522619	-0.47875	0.632114
ENSG00000147912.13	95.46221856	-0.34065	0.525937	-0.6477	0.517182
ENSG00000244513.7	95.49530045	-0.65844	0.520359	-1.26535	0.205745
ENSG00000182810.7	95.49542326	-0.04632	0.495872	-0.09342	0.925571
ENSG00000164008.16	95.51708994	-0.59465	0.534966	-1.11157	0.266325
ENSG00000196123.13	95.53702681	0.315082	0.57371	0.549201	0.582868
ENSG00000269825.1	95.69898158	0.790416	0.523631	1.50949	0.131174
ENSG00000234444.10	95.70073137	-0.29338	0.615694	-0.4765	0.63372
ENSG00000189195.14	95.72362289	-0.76902	0.486915	-1.57937	0.114251
ENSG00000177868.12	95.76455536	0.235588	0.505961	0.465625	0.641484
ENSG00000140398.14	95.78682336	0.166949	0.504152	0.331148	0.740533
ENSG00000139597.18	95.78772704	-0.81048	0.527931	-1.5352	0.124735

ENSG00000135899.18	95.79096117	-0.23384	0.485662	-0.48148	0.630176
ENSG00000101442.10	95.8228921	-0.37899	0.499193	-0.7592	0.447733
ENSG00000186026.7	95.8432645	0.102073	0.519642	0.196429	0.844274
ENSG00000235954.7	95.85753034	0.07716	0.524984	0.146977	0.88315
ENSG00000275454.1	95.93168176	-0.64407	0.580744	-1.10904	0.267414
ENSG00000135447.17	95.94680798	0.892147	0.49481	1.80301	0.071387
ENSG00000198796.7	95.98552743	0.459893	0.576985	0.797062	0.425415
ENSG00000135999.12	95.99459716	0.164173	0.510047	0.321879	0.747544
ENSG00000261799.1	96.01363873	-0.67678	0.501392	-1.34981	0.177077
ENSG00000119397.16	96.11725502	-0.39567	0.526373	-0.75169	0.452239
ENSG00000213047.13	96.12870358	-0.383	0.510129	-0.75079	0.45278
ENSG00000263620.1	96.13914079	-2.19529	1.86402	-1.17772	0.238909
ENSG00000121716.20	96.17985105	0.198359	0.478941	0.414162	0.678756
ENSG00000151338.18	96.2085646	-0.28316	0.486405	-0.58214	0.560472
ENSG00000181827.15	96.27263602	-0.31093	0.498337	-0.62394	0.532669
ENSG00000196275.14	96.32026059	1.08152	0.536128	2.017281	0.043666
ENSG00000106526.10	96.36762502	-0.43874	0.534969	-0.82012	0.412146
ENSG00000144559.10	96.47715869	-0.20768	0.481717	-0.43113	0.666376
ENSG00000173548.9	96.48366935	0.455238	0.526485	0.864674	0.387218
ENSG00000197608.11	96.50882402	-0.04811	0.630905	-0.07626	0.939216
ENSG00000280987.4	96.52696325	-0.07981	0.553728	-0.14413	0.885395
ENSG0000010030.14	96.53643856	-0.55728	0.493766	-1.12862	0.259056
ENSG00000131591.17	96.5431113	0.161155	0.501966	0.321047	0.748174
ENSG00000101417.12	96.55413966	-0.50802	0.549558	-0.92442	0.355269
ENSG00000184708.18	96.56560071	0.264057	0.47915	0.551093	0.58157
ENSG00000160445.11	96.57584635	0.410875	0.499102	0.823229	0.410378
ENSG00000113971.20	96.5871839	0.269909	0.492914	0.547578	0.583982
ENSG00000279072.1	96.59814764	4.099708	2.126915	1.927538	0.053913
ENSG00000160124.9	96.62066324	0.113181	0.517723	0.218614	0.826951
ENSG00000240253.6	96.62460872	0.24801	0.513483	0.482994	0.6291
ENSG00000131845.15	96.62514247	-0.05996	0.49233	-0.12179	0.903064
ENSG00000137752.24	96.66592471	-0.31185	0.51304	-0.60785	0.543288
ENSG00000167566.17	96.78175749	0.955234	0.490676	1.946772	0.051562
ENSG00000102034.17	96.79494755	0.018364	0.489611	0.037508	0.97008
ENSG00000186017.14	96.81289215	-0.17043	0.494176	-0.34487	0.73019
ENSG00000111331.13	96.83865803	0.227906	0.490925	0.464237	0.642478
ENSG00000162542.13	96.84574787	-0.04097	0.478804	-0.08557	0.931805
ENSG00000184719.12	96.86768369	-0.28455	0.493535	-0.57657	0.564233
ENSG00000221923.9	96.93565515	0.218332	0.498929	0.437602	0.661675
ENSG00000196867.8	97.02914592	-0.56652	0.487218	-1.16277	0.244922
ENSG00000260708.1	97.05283163	0.35062	0.623055	0.562743	0.57361
ENSG00000166394.15	97.05906177	-0.08341	0.488506	-0.17075	0.864418
ENSG00000144061.14	97.06060668	-0.2092	0.49866	-0.41951	0.67484
ENSG00000155961.5	97.07299941	-0.43563	0.493685	-0.88241	0.377556
ENSG00000184857.8	97.1059737	0.347159	0.48139	0.72116	0.470811
ENSG00000167716.19	97.17199629	0.494507	0.513138	0.963692	0.3352
ENSG00000143061.18	97.1879303	0.020896	0.49636	0.042097	0.966421
ENSG00000163535.18	97.19481151	0.402282	0.537891	0.747888	0.454528
ENSG00000091428.18	97.21380587	-0.30561	0.535076	-0.57115	0.5679
ENSG00000244380.1	97.2650537	1.066575	0.491934	2.168125	0.030149
ENSG00000121281.13	97.3255361	0.560939	0.486793	1.152315	0.249192
ENSG00000146477.6	97.36393678	-0.29477	0.494491	-0.5961	0.551107

ENSG00000160360.13	97.4083771	0.100874	0.479474	0.210385	0.833367
ENSG00000268854.1	97.41349272	0.919183	0.484058	1.898913	0.057576
ENSG00000265840.1	97.44656193	-0.06011	0.525272	-0.11444	0.90889
ENSG00000240370.6	97.45208403	-0.12076	0.565106	-0.2137	0.830784
ENSG00000126787.13	97.50349118	0.61284	0.644124	0.951432	0.341385
ENSG00000132464.13	97.50943982	1.097	0.552996	1.983741	0.047285
ENSG00000092929.12	97.52693091	0.659294	0.514012	1.282642	0.199617
ENSG00000163412.13	97.52991737	-0.10807	0.495697	-0.21802	0.827417
ENSG00000197362.15	97.53758046	-0.53435	0.477791	-1.11838	0.263405
ENSG00000197933.13	97.59865685	-0.7451	0.52208	-1.42718	0.153528
ENSG00000101412.13	97.61469519	-0.11566	0.507132	-0.22807	0.819589
ENSG00000237440.9	97.61570494	-1.28815	0.48112	-2.67741	0.007419
ENSG00000197467.15	97.62699287	0.246402	0.536526	0.459254	0.646051
ENSG00000037757.14	97.63246655	-0.55715	0.497644	-1.11957	0.262898
ENSG00000197928.10	97.69877401	-0.24335	0.479503	-0.50751	0.6118
ENSG00000005469.12	97.71008441	-0.47347	0.487095	-0.97203	0.331037
ENSG00000135637.14	97.72607582	0.215896	0.484397	0.4457	0.655814
ENSG00000104951.16	97.7390456	-0.30757	0.493247	-0.62357	0.532911
ENSG00000228242.6	97.74013238	-0.04384	0.530092	-0.0827	0.934091
ENSG00000197779.14	97.7660765	-0.83217	0.683747	-1.21707	0.223576
ENSG00000168952.15	97.80678804	0.028846	0.480043	0.06009	0.952084
ENSG00000213920.9	97.82666681	-0.32451	0.504759	-0.64291	0.520285
ENSG00000196378.13	97.91361109	-0.95866	0.576983	-1.6615	0.096613
ENSG00000008226.20	97.92803092	0.161054	0.479146	0.336127	0.736775
ENSG00000173588.15	97.92921658	0.437938	0.495344	0.884108	0.376638
ENSG00000164291.17	97.94530525	-0.62041	0.512888	-1.20963	0.226419
ENSG00000151090.20	97.97333447	-0.58168	0.481401	-1.2083	0.226933
ENSG00000155016.18	97.97452212	-0.24026	0.528632	-0.4545	0.649471
ENSG00000145198.14	98.04294401	0.775166	0.525085	1.476268	0.139872
ENSG00000185920.16	98.0628449	-0.23212	0.499772	-0.46445	0.642326
ENSG00000151773.13	98.09322068	-0.52379	0.475794	-1.10088	0.270947
ENSG00000196544.8	98.09945399	0.006739	0.475247	0.01418	0.988686
ENSG00000274425.1	98.11236275	-0.42142	0.488173	-0.86326	0.387997
ENSG00000197355.11	98.13009126	0.498595	0.481857	1.034738	0.300791
ENSG00000163053.11	98.13767994	-0.09775	0.628989	-0.15541	0.876496
ENSG00000127663.15	98.14413233	0.524909	0.506673	1.035992	0.300206
ENSG00000285331.2	98.30232573	-0.13713	0.518583	-0.26444	0.79144
ENSG00000205609.13	98.32632618	1.702223	3.951492	0.43078	0.666628
ENSG00000105509.11	98.3366246	1.136931	0.74262	1.530971	0.125776
ENSG00000089639.11	98.38178896	-0.0839	0.650807	-0.12891	0.897425
ENSG00000108406.10	98.40282364	0.144545	0.486137	0.297333	0.766212
ENSG00000162104.10	98.42728228	0.408372	0.513558	0.795182	0.426508
ENSG00000274422.1	98.43922104	1.299268	0.589473	2.204119	0.027516
ENSG00000143816.8	98.5357846	-0.53587	0.49724	-1.07768	0.281175
ENSG00000103248.19	98.57962359	-0.46893	0.487546	-0.96183	0.336137
ENSG00000148057.16	98.61062827	-0.23948	0.522628	-0.45822	0.646793
ENSG00000026559.14	98.61459567	0.494833	0.563207	0.878597	0.37962
ENSG00000185090.14	98.62258675	0.226346	0.487163	0.464621	0.642203
ENSG00000103343.13	98.64294041	-0.7427	0.492177	-1.50901	0.131295
ENSG00000166261.11	98.64479739	-0.87842	0.489404	-1.79488	0.072673
ENSG00000038210.14	98.66759744	-0.04522	0.506623	-0.08927	0.928871
ENSG00000141068.14	98.66881182	-0.06946	0.519282	-0.13377	0.893584

ENSG00000059588.10	98.7939154	0.189471	0.586838	0.322867	0.746796
ENSG00000102984.15	98.848097	-0.07046	0.48108	-0.14645	0.883564
ENSG00000160321.15	98.87926261	0.239756	0.515195	0.46537	0.641666
ENSG00000186073.14	98.90559387	-0.65428	0.476842	-1.37212	0.170026
ENSG00000131848.9	98.96522792	-0.65658	0.514469	-1.27623	0.201874
ENSG00000180611.7	98.98022587	-0.16431	0.526192	-0.31226	0.75484
ENSG00000186889.10	98.98211967	-0.16343	0.556466	-0.29368	0.768999
ENSG00000145414.9	98.99317054	-0.22377	0.479025	-0.46713	0.640408
ENSG00000264538.6	99.08968523	0.009303	0.522155	0.017816	0.985786
ENSG00000105011.9	99.09564315	-0.13032	0.529664	-0.24604	0.805653
ENSG00000034533.12	99.14435365	-0.18401	0.481819	-0.38192	0.702524
ENSG00000125266.8	99.18876815	0.872053	0.50921	1.71256	0.086794
ENSG00000134184.13	99.20507931	-0.58487	0.716654	-0.81612	0.414433
ENSG00000104081.14	99.28406583	-0.37561	0.475907	-0.78924	0.429969
ENSG00000133619.17	99.2905887	-0.31709	0.531889	-0.59616	0.551066
ENSG00000241506.1	99.335699	-1.3751	1.994081	-0.68959	0.490452
ENSG00000013016.16	99.34811355	-0.07786	0.517632	-0.15041	0.880443
ENSG00000203709.12	99.34899513	0.965547	0.644517	1.498095	0.134109
ENSG00000260228.6	99.34950486	-0.13559	0.515698	-0.26293	0.792608
ENSG00000205643.11	99.35239278	-0.20554	0.478173	-0.42984	0.667311
ENSG00000077454.16	99.36644857	1.014341	0.536453	1.890831	0.058647
ENSG00000157933.10	99.40606147	0.645339	0.516751	1.248839	0.211724
ENSG00000141376.22	99.40767506	-0.57651	0.545261	-1.05731	0.290372
ENSG00000115137.12	99.43455744	-1.88111	0.573897	-3.27778	0.001046
ENSG00000174669.12	99.4559691	-0.54406	0.487475	-1.11608	0.264387
ENSG00000198182.13	99.46869023	-0.03707	0.576653	-0.06429	0.948743
ENSG00000090470.15	99.52993265	1.061251	0.538006	1.972565	0.048545
ENSG00000157212.19	99.54627477	0.257673	0.520081	0.495447	0.620284
ENSG00000177030.17	99.55538138	0.207628	0.497098	0.41768	0.676181
ENSG00000155980.13	99.55748612	0.259394	0.540674	0.479761	0.631397
ENSG00000118420.17	99.59442998	-0.61854	0.489725	-1.26304	0.206574
ENSG00000152217.19	99.60138275	-0.12889	0.51076	-0.25234	0.800775
ENSG00000132530.17	99.60515149	-0.6826	0.631832	-1.08034	0.27999
ENSG00000143365.19	99.62854445	-0.82493	0.547179	-1.5076	0.131656
ENSG00000259426.6	99.64734991	-0.64819	0.488805	-1.32606	0.18482
ENSG00000007202.15	99.65808095	-0.47963	0.516005	-0.9295	0.352629
ENSG00000126775.9	99.68139331	-0.00863	0.55907	-0.01544	0.987679
ENSG00000123643.13	99.69886369	-0.35232	0.521844	-0.67514	0.499586
ENSG00000134146.12	99.73238352	-0.22333	0.501808	-0.44505	0.656285
ENSG00000112144.16	99.76089384	-0.11421	0.475633	-0.24011	0.810243
ENSG00000101846.8	99.77506933	0.300915	0.482272	0.623953	0.532658
ENSG00000196405.13	99.77525571	0.1979	0.484394	0.408552	0.682868
ENSG00000134490.14	99.81117759	-0.30393	0.494418	-0.61471	0.538743
ENSG00000184304.16	99.82562107	0.510111	0.551547	0.924874	0.355031
ENSG00000128340.15	99.89985815	-0.17735	0.478121	-0.37092	0.710693
ENSG00000278619.5	99.92166197	0.002136	0.499895	0.004273	0.996591
ENSG00000260565.7	99.93964422	0.840984	0.510669	1.64683	0.099593
ENSG00000111665.11	100.0016608	0.219245	0.553241	0.396292	0.69189
ENSG00000174928.16	100.1518479	-0.84768	0.522453	-1.6225	0.104697
ENSG00000231824.4	100.1831216	0.182482	0.761459	0.239648	0.810603
ENSG00000242516.2	100.1850772	0.365724	0.585969	0.624136	0.532539
ENSG00000169239.13	100.2330499	-1.12584	0.504288	-2.23253	0.02558

ENSG00000230630.5	100.3168355	-0.60652	0.533493	-1.13689	0.255586
ENSG00000105483.18	100.3181907	-0.52384	0.483331	-1.08381	0.278447
ENSG00000164683.18	100.3321645	-0.6913	0.502913	-1.3746	0.169255
ENSG00000132563.16	100.3878961	0.017632	0.496222	0.035533	0.971655
ENSG00000118094.12	100.4201921	1.035426	0.48039	2.155386	0.031132
ENSG00000165995.21	100.4758617	0.308493	0.535441	0.576149	0.564515
ENSG00000270276.2	100.483219	0.694803	0.556107	1.249406	0.211517
ENSG00000155893.13	100.487022	-0.6821	0.495487	-1.37663	0.168626
ENSG00000174276.7	100.5198052	-0.42013	0.480298	-0.87472	0.381728
ENSG00000188010.14	100.5591662	-0.40647	0.499845	-0.81319	0.416111
ENSG00000187736.13	100.6185769	-0.49578	0.497706	-0.99613	0.319185
ENSG00000134698.11	100.6261572	-0.31288	0.517943	-0.60409	0.545786
ENSG00000112164.6	100.6591387	-0.47741	0.513671	-0.9294	0.352679
ENSG00000111671.9	100.6708301	0.107355	0.480512	0.223419	0.823209
ENSG00000124104.19	100.697174	-0.14759	0.50778	-0.29066	0.771309
ENSG00000144290.17	100.7150826	0.329162	0.480418	0.685157	0.493245
ENSG00000174804.4	100.7153386	-0.35286	0.480211	-0.73481	0.462457
ENSG00000179523.5	100.789373	-0.0593	0.530655	-0.11175	0.911021
ENSG00000237187.9	100.8198782	-0.21276	0.480631	-0.44267	0.658007
ENSG00000129911.9	100.8330705	0.721157	0.473664	1.522509	0.127882
ENSG00000125798.14	100.837897	0.784788	0.503146	1.559761	0.118816
ENSG00000259198.1	100.8719324	-0.06641	0.511241	-0.1299	0.896644
ENSG00000180891.13	100.8752827	1.035729	0.532943	1.943415	0.051966
ENSG00000196353.11	100.9101754	-0.29814	0.574017	-0.51939	0.603488
ENSG00000185418.16	100.9481438	-0.01917	0.481095	-0.03985	0.968213
ENSG00000130772.14	101.0509428	-0.9313	0.482161	-1.93152	0.053419
ENSG00000168803.16	101.1144807	-0.10569	0.48203	-0.21927	0.826441
ENSG00000163923.10	101.1752726	-0.05848	0.50588	-0.1156	0.907969
ENSG00000174842.17	101.213457	-0.19837	0.511968	-0.38746	0.698414
ENSG00000171700.14	101.2353465	-0.08918	0.503251	-0.1772	0.859348
ENSG00000183655.13	101.2380604	-0.00428	0.525394	-0.00815	0.993495
ENSG00000101049.17	101.2402936	-0.70958	0.478061	-1.4843	0.13773
ENSG00000145723.17	101.272173	-0.19302	0.560834	-0.34418	0.730715
ENSG00000137656.12	101.3160444	0.421549	0.476189	0.885255	0.376019
ENSG00000088766.12	101.3197898	0.233917	0.529831	0.441493	0.658856
ENSG00000141542.11	101.3533709	-1.1381	0.493616	-2.30563	0.021131
ENSG00000172731.14	101.4146824	0.276021	0.502872	0.548889	0.583082
ENSG00000145604.16	101.4881468	0.163402	0.494748	0.330274	0.741193
ENSG00000182983.15	101.4882701	-0.30585	0.609314	-0.50196	0.615694
ENSG00000189325.7	101.529684	-0.91901	0.534315	-1.71999	0.085435
ENSG00000263756.1	101.5785595	-0.8003	0.557515	-1.43547	0.151152
ENSG00000225697.13	101.5886966	-0.66369	0.479546	-1.384	0.166359
ENSG00000197696.10	101.6078656	0.221548	0.470844	0.470534	0.637973
ENSG00000215158.9	101.6145167	-0.50526	0.48597	-1.0397	0.29848
ENSG00000154822.18	101.662799	0.206727	0.471795	0.438171	0.661262
ENSG00000065328.16	101.6996316	1.075351	0.574916	1.870449	0.061421
ENSG00000135324.6	101.7302409	-0.35246	0.566418	-0.62226	0.533771
ENSG00000154134.15	101.7945835	-0.3729	0.536702	-0.6948	0.487181
ENSG00000221826.10	101.8189418	-0.00617	0.770613	-0.008	0.993613
ENSG00000179965.12	101.8471423	0.095373	0.479776	0.198786	0.84243
ENSG00000215790.7	101.8697856	-0.28078	0.49589	-0.56622	0.571242
ENSG00000133740.11	101.903673	0.395999	0.475608	0.832617	0.405061

ENSG00000158321.18	101.9820338	0.123043	0.577799	0.212951	0.831365
ENSG00000214021.16	101.9884918	0.029679	0.471636	0.062928	0.949824
ENSG00000180425.11	101.9942085	0.133265	0.476811	0.279493	0.779867
ENSG00000101997.13	102.0051637	0.232703	0.474174	0.490756	0.623599
ENSG00000164400.6	102.0290044	-0.79529	0.592282	-1.34276	0.179351
ENSG00000286905.1	102.1482898	-0.6283	0.474349	-1.32455	0.185321
ENSG00000135299.17	102.212939	-0.05398	0.498514	-0.10829	0.913767
ENSG00000203805.11	102.2208362	-0.44928	0.535298	-0.83931	0.401298
ENSG00000125247.15	102.3299563	0.101324	0.471474	0.214909	0.829838
ENSG00000246082.2	102.4634891	-0.28064	0.475596	-0.59007	0.555143
ENSG00000151623.15	102.4660475	0.230566	0.483941	0.476434	0.633766
ENSG00000184381.20	102.4719635	-0.33406	0.479895	-0.69612	0.486354
ENSG00000198816.7	102.6625033	1.145351	0.473953	2.41659	0.015667
ENSG00000112782.19	102.7185881	0.148603	0.624876	0.237812	0.812027
ENSG00000099910.17	102.7222743	0.078761	0.488007	0.161394	0.871783
ENSG00000185000.12	102.7281237	0.951808	0.480536	1.980722	0.047622
ENSG00000260342.2	102.728285	-1.54799	1.929512	-0.80227	0.422398
ENSG00000162105.19	102.7722482	0.234375	0.494709	0.473763	0.635669
ENSG00000074181.9	102.7755452	0.718582	0.486173	1.478039	0.139397
ENSG00000159082.18	102.7864855	-0.44669	0.48649	-0.91818	0.358523
ENSG00000169499.15	102.7893789	0.313698	0.474354	0.661316	0.508409
ENSG00000187837.4	102.8038483	0.259557	0.470893	0.551201	0.581496
ENSG00000047365.12	102.815249	0.407993	0.476666	0.855929	0.392037
ENSG00000074219.14	102.9551679	0.266919	0.559878	0.476746	0.633543
ENSG00000165714.11	102.9928148	-0.20767	0.487696	-0.42581	0.670244
ENSG00000103723.16	103.0126308	0.408771	0.490657	0.83311	0.404783
ENSG00000126262.4	103.0467759	0.124768	0.510692	0.244311	0.80699
ENSG00000170464.10	103.1113055	-0.60153	0.483964	-1.24293	0.213894
ENSG00000188242.4	103.1314917	0.493703	0.474877	1.039643	0.298506
ENSG00000011376.12	103.1931819	-0.19365	0.542034	-0.35727	0.72089
ENSG00000171747.9	103.1993033	0.218675	0.489767	0.446488	0.655244
ENSG00000221886.4	103.2080031	-0.42831	0.500375	-0.85598	0.392007
ENSG00000054277.14	103.2174562	0.091052	0.506516	0.179762	0.85734
ENSG00000175505.11	103.2811228	0.03691	0.626231	0.05894	0.953
ENSG00000172728.16	103.3121034	-0.21441	0.506086	-0.42367	0.67181
ENSG00000270647.6	103.3307374	-0.16408	0.513349	-0.31963	0.749252
ENSG00000126460.11	103.3319074	-0.23449	0.485273	-0.48322	0.628938
ENSG00000179583.19	103.3581184	0.795088	0.485366	1.638121	0.101396
ENSG00000144554.11	103.4129739	0.972924	0.491906	1.977865	0.047944
ENSG00000241316.8	103.4425051	-1.09894	0.483803	-2.27146	0.023119
ENSG00000204186.10	103.47396	-0.39866	0.487127	-0.81839	0.413135
ENSG00000151364.17	103.4768585	-0.8459	0.514507	-1.6441	0.100155
ENSG00000151640.13	103.4862551	-0.79121	0.520704	-1.5195	0.128636
ENSG00000112149.10	103.5403176	0.395468	0.475914	0.830964	0.405994
ENSG00000177459.11	103.6096698	-0.54389	0.484385	-1.12284	0.261507
ENSG00000138185.20	103.6289527	0.272885	0.483932	0.563891	0.572828
ENSG00000136158.12	103.6318872	0.180172	0.506841	0.35548	0.72223
ENSG00000188060.7	103.6883281	-0.63174	0.627759	-1.00634	0.314251
ENSG00000127418.15	103.7174992	0.502242	0.474072	1.05942	0.289408
ENSG00000174177.13	103.7524467	0.210053	0.468447	0.448403	0.653863
ENSG00000169136.12	103.7568681	0.336078	0.486945	0.690176	0.490083
ENSG00000261183.5	103.7848969	0.120526	0.483463	0.249297	0.803131

ENSG00000148426.13	103.7875308	1.202358	0.549901	2.1865	0.028779
ENSG00000101311.16	103.8134553	-0.49877	0.488067	-1.02193	0.306812
ENSG00000123427.17	103.8876178	-0.17551	0.513129	-0.34204	0.732322
ENSG00000225630.1	103.8889587	-0.09692	0.476104	-0.20358	0.838685
ENSG00000153558.16	103.9501982	-0.60671	0.485792	-1.24892	0.211695
ENSG00000147394.18	103.9675557	0.052363	0.524862	0.099766	0.92053
ENSG00000168890.14	104.0694289	-0.45826	0.508393	-0.90139	0.367378
ENSG00000183762.13	104.1136196	0.316166	0.501285	0.63071	0.52823
ENSG00000078295.17	104.1402963	0.910039	0.493072	1.845653	0.064943
ENSG00000267469.1	104.1838472	0.576738	0.468096	1.232094	0.217914
ENSG00000174483.20	104.2085941	-0.58525	0.475439	-1.23097	0.218334
ENSG00000254400.1	104.2244199	-0.32998	0.571924	-0.57696	0.563967
ENSG00000175793.12	104.2268957	-0.20604	0.539347	-0.38201	0.702451
ENSG00000104863.12	104.2291165	-0.52098	0.500518	-1.04088	0.297929
ENSG00000247400.4	104.2348521	0.272749	0.514384	0.530244	0.595943
ENSG00000149554.13	104.2794289	0.482984	0.518806	0.930953	0.351878
ENSG00000153391.16	104.2882805	0.261987	0.468461	0.55925	0.575991
ENSG00000236841.8	104.4161022	-0.0202	0.499555	-0.04044	0.967744
ENSG00000267383.7	104.4263828	0.558711	0.573699	0.973876	0.330118
ENSG00000157240.4	104.4491293	0.578557	0.481332	1.201993	0.229366
ENSG00000206195.11	104.4526486	0.074286	0.475083	0.156364	0.875746
ENSG00000186409.18	104.4556811	-0.54758	0.468048	-1.16993	0.242029
ENSG00000118242.16	104.4996651	-0.69631	0.475222	-1.46522	0.142861
ENSG00000117691.10	104.5371019	1.340916	0.489202	2.741024	0.006125
ENSG00000073331.18	104.5530747	0.061093	0.546157	0.11186	0.910934
ENSG00000170260.9	104.5537995	-0.29611	0.486984	-0.60805	0.543152
ENSG00000114779.19	104.5670778	0.048699	0.475158	0.102491	0.918367
ENSG00000121297.8	104.6250697	0.003109	0.482276	0.006446	0.994857
ENSG00000162636.16	104.6306192	-0.31085	0.473967	-0.65584	0.511927
ENSG00000070501.12	104.6625801	-0.49741	0.481337	-1.03339	0.301421
ENSG00000162873.15	104.6705859	-0.6358	0.596355	-1.06615	0.286356
ENSG00000101115.13	104.6737944	0.899815	0.500411	1.798154	0.072153
ENSG00000164011.18	104.6831726	-0.34029	0.470724	-0.72291	0.469737
ENSG00000143303.12	104.7144979	0.133624	0.501267	0.266572	0.789799
ENSG00000170917.14	104.7149227	-0.2902	0.501514	-0.57865	0.562828
ENSG00000185220.12	104.726828	-0.69594	0.487359	-1.42798	0.153298
ENSG00000249437.8	104.741794	-0.38714	0.490196	-0.78977	0.429662
ENSG00000157168.20	104.7560787	0.244438	0.467777	0.522552	0.601286
ENSG00000078804.13	104.7574068	0.122373	0.491511	0.248974	0.803381
ENSG00000185633.10	104.7705446	-0.13208	0.491044	-0.26897	0.787952
ENSG00000160767.21	104.9000802	0.667538	0.480909	1.388074	0.165114
ENSG00000124374.9	104.9016069	-0.48995	0.480048	-1.02062	0.307432
ENSG00000176771.17	104.9531492	-0.60697	0.541931	-1.12002	0.262705
ENSG00000221944.9	104.956233	0.035728	0.570081	0.062672	0.950028
ENSG00000197301.7	104.9563895	0.318366	0.48479	0.656708	0.511368
ENSG00000149256.16	104.9969957	-0.27767	0.535815	-0.51823	0.604299
ENSG00000119703.15	105.0822865	-0.26841	0.468966	-0.57233	0.567096
ENSG00000185436.12	105.1128226	-0.45238	0.557463	-0.81149	0.417083
ENSG00000067606.17	105.1281736	0.614256	0.50505	1.216229	0.223898
ENSG00000228589.3	105.1353994	0.226702	0.593669	0.381867	0.70256
ENSG00000065717.15	105.1729399	0.368083	0.472529	0.778964	0.436001
ENSG00000146707.14	105.2786318	0.84368	0.497729	1.695061	0.090064

ENSG00000170037.14	105.288748	0.380759	0.521587	0.730001	0.46539
ENSG00000163611.11	105.3265742	-0.19445	0.54225	-0.35861	0.71989
ENSG00000130695.15	105.3728456	-0.55167	0.488749	-1.12874	0.259009
ENSG00000080823.23	105.3855499	-0.26693	0.523481	-0.50991	0.610118
ENSG00000047230.15	105.4235053	-0.29178	0.520172	-0.56093	0.574848
ENSG00000155034.19	105.4599932	0.322573	0.497915	0.647847	0.517084
ENSG00000121057.13	105.628006	0.290678	0.528568	0.549934	0.582364
ENSG00000143340.6	105.6361091	-0.29717	0.565708	-0.52531	0.599368
ENSG00000272345.1	105.6428835	-0.50056	0.46578	-1.07467	0.282523
ENSG00000150456.11	105.6444347	-0.14598	0.481247	-0.30333	0.761637
ENSG00000116885.18	105.7716741	-0.29527	0.500233	-0.59026	0.555014
ENSG00000146670.10	105.8661466	0.467971	0.528581	0.885335	0.375976
ENSG00000176208.9	105.8729657	-0.02152	0.487869	-0.04411	0.964814
ENSG00000183049.13	105.8965201	0.644049	0.477143	1.349801	0.17708
ENSG00000136828.19	105.9112368	-0.03328	0.523198	-0.06361	0.949283
ENSG00000204498.11	105.9546274	-0.03049	0.468799	-0.06504	0.948146
ENSG00000164306.11	106.0150776	-0.07764	0.474534	-0.16362	0.870028
ENSG00000119522.16	106.0339328	0.383886	0.478221	0.802737	0.422127
ENSG00000100504.17	106.0539286	0.190884	0.504323	0.378496	0.705062
ENSG00000185621.11	106.0688384	-0.2974	0.495016	-0.60079	0.547982
ENSG00000081803.16	106.0700815	-0.03592	0.500607	-0.07174	0.942806
ENSG00000145703.16	106.1250045	0.450144	0.535124	0.841195	0.400239
ENSG00000139044.12	106.1287419	0.389853	0.468515	0.832103	0.405351
ENSG00000008853.17	106.1325554	0.186099	0.477121	0.390046	0.696502
ENSG00000151849.15	106.1565503	0.123439	0.489069	0.252396	0.800735
ENSG00000179915.24	106.1895738	-0.21972	0.468599	-0.46889	0.63915
ENSG00000171346.16	106.2098404	0.354012	0.544012	0.650742	0.515213
ENSG00000174365.20	106.2374183	-0.33036	0.536244	-0.61606	0.537853
ENSG00000092098.17	106.2659524	0.269205	0.517132	0.520574	0.602664
ENSG00000104432.14	106.2762225	-0.04661	0.511454	-0.09112	0.927395
ENSG00000189046.11	106.3001334	0.064468	0.488961	0.131846	0.895106
ENSG00000149300.10	106.3002309	-0.35671	0.542814	-0.65715	0.511082
ENSG00000205517.13	106.3266218	-0.30492	0.4686	-0.6507	0.51524
ENSG00000227220.1	106.3553061	-1.18013	0.538189	-2.19278	0.028323
ENSG00000141524.16	106.3637076	0.953585	0.485032	1.966025	0.049296
ENSG00000182463.16	106.4005306	1.010993	0.525759	1.922918	0.05449
ENSG00000223959.8	106.4976325	-0.28528	0.485109	-0.58808	0.556479
ENSG00000124370.11	106.5183027	-0.31857	0.469502	-0.67853	0.497436
ENSG00000244115.1	106.5293619	-0.36273	0.483232	-0.75062	0.452879
ENSG00000054967.13	106.5553619	0.440978	0.483779	0.911529	0.362017
ENSG00000075651.16	106.5631098	-0.38852	0.494027	-0.78643	0.431617
ENSG00000274012.1	106.7015524	1.916775	0.77287	2.480073	0.013136
ENSG00000130304.17	106.7024239	-0.11755	0.482311	-0.24371	0.807453
ENSG00000163293.12	106.70799	-1.25234	0.513934	-2.43677	0.014819
ENSG00000092421.17	106.7445685	0.28312	0.501089	0.565009	0.572067
ENSG00000188026.13	106.7461522	0.736937	0.548334	1.343956	0.178962
ENSG00000138160.6	106.7632806	0.764361	0.534525	1.429982	0.152722
ENSG00000100038.20	106.8005214	-0.11211	0.463866	-0.24169	0.809024
ENSG00000173826.15	106.8014259	-0.67513	0.634579	-1.0639	0.287376
ENSG00000141858.12	106.8271249	1.083347	0.487783	2.22096	0.026354
ENSG00000231013.2	106.8414827	0.077795	0.52951	0.146919	0.883196
ENSG00000176410.8	106.8549723	0.579564	0.479484	1.208723	0.226769

ENSG00000129538.14	106.856483	0.639057	0.530828	1.203887	0.228633
ENSG00000105248.16	106.9070952	-0.3807	0.470088	-0.80985	0.418027
ENSG00000135482.7	106.9200095	0.141678	0.480877	0.294625	0.76828
ENSG00000173085.15	106.9378689	-0.59561	0.575123	-1.03561	0.300382
ENSG00000121417.14	106.9381361	-0.78307	0.483345	-1.6201	0.10521
ENSG00000186666.6	106.970477	-0.52754	0.479496	-1.10019	0.271249
ENSG00000169607.13	107.0551676	0.680033	0.622147	1.093042	0.274375
ENSG00000161267.12	107.0618087	-0.73367	0.500589	-1.46561	0.142755
ENSG00000011143.18	107.1064272	-0.14239	0.467088	-0.30485	0.760477
ENSG00000157036.13	107.1253562	-0.20555	0.481645	-0.42678	0.669543
ENSG00000064999.15	107.1417185	0.282063	0.469545	0.600715	0.54803
ENSG00000100483.14	107.1499202	-0.09441	0.470335	-0.20073	0.840912
ENSG00000140265.12	107.2524401	0.036999	0.475681	0.07778	0.938003
ENSG00000105072.9	107.2764881	-0.26639	0.466329	-0.57124	0.567834
ENSG00000168350.8	107.3256096	-0.27192	0.548063	-0.49614	0.619793
ENSG00000117226.12	107.3717508	-0.41742	0.510885	-0.81706	0.413894
ENSG00000253313.6	107.3929734	0.19236	0.462961	0.4155	0.677776
ENSG00000132570.15	107.4122626	-0.17291	0.489255	-0.35342	0.723772
ENSG00000160062.15	107.4164827	0.183215	0.519297	0.352813	0.724228
ENSG00000277147.6	107.4589534	-0.0782	0.510151	-0.15328	0.878177
ENSG00000075131.10	107.5057569	-0.14889	0.508423	-0.29285	0.769639
ENSG00000247077.7	107.5177124	0.679301	0.516914	1.314146	0.188797
ENSG00000170430.10	107.554195	-0.26847	0.464632	-0.57782	0.563389
ENSG00000277957.1	107.5548294	-0.44785	0.483952	-0.9254	0.354757
ENSG00000102962.5	107.5746854	0.245259	0.714071	0.343466	0.731248
ENSG00000011451.21	107.5940225	0.572479	0.492855	1.161558	0.245415
ENSG00000070444.15	107.6632247	0.175228	0.473013	0.370451	0.711047
ENSG00000258986.7	107.6893063	0.452733	0.51166	0.88483	0.376248
ENSG00000123358.20	107.7251216	0.537434	0.497309	1.080684	0.279837
ENSG00000142910.16	107.7298631	0.408052	0.480803	0.848688	0.396055
ENSG00000151413.17	107.8712017	-0.14863	0.473488	-0.31391	0.75359
ENSG00000144834.14	107.9054927	-0.74155	0.548978	-1.35078	0.176766
ENSG00000163393.13	107.9912911	-0.79641	0.550026	-1.44796	0.147629
ENSG00000206341.7	107.991351	0.041834	0.492873	0.084877	0.932359
ENSG00000080986.13	107.995899	0.63665	0.579995	1.097681	0.272344
ENSG00000172830.13	108.0439032	-0.00035	0.50297	-0.00069	0.999448
ENSG00000081014.11	108.0565606	-0.09041	0.480289	-0.18825	0.850681
ENSG00000133302.13	108.0622778	0.208681	0.471795	0.442313	0.658263
ENSG00000181027.11	108.0944686	0.325472	0.478789	0.679783	0.496642
ENSG00000152527.14	108.2806955	0.240424	0.521783	0.460774	0.644961
ENSG00000238258.1	108.3061035	-0.4396	0.537981	-0.81713	0.413856
ENSG00000106462.11	108.3134999	0.553321	0.471499	1.173536	0.240581
ENSG00000099326.9	108.3229594	0.111357	0.46455	0.239709	0.810556
ENSG00000114166.8	108.3409787	-0.2726	0.477016	-0.57146	0.567685
ENSG00000155465.20	108.3449833	-0.47128	0.494583	-0.95289	0.340644
ENSG00000143919.15	108.3704332	-0.41626	0.474554	-0.87717	0.380396
ENSG00000102452.18	108.4174142	0.036469	0.472965	0.077107	0.938539
ENSG00000197261.11	108.4519737	0.624983	0.510275	1.224795	0.220652
ENSG00000104731.14	108.470553	0.40199	0.491563	0.817778	0.413484
ENSG00000228315.12	108.4912671	1.203069	0.4822	2.49496	0.012597
ENSG00000102003.11	108.5280202	0.83315	0.475888	1.750728	0.079993
ENSG00000111247.14	108.5742135	0.280785	0.512292	0.548095	0.583627

ENSG00000133131.15	108.5869739	0.561547	0.550681	1.019731	0.307856
ENSG00000233426.3	108.5938165	-0.48897	0.46654	-1.04808	0.2946
ENSG00000146232.17	108.7404643	0.671445	0.522009	1.286271	0.198349
ENSG00000105088.8	108.7549863	0.085088	0.48475	0.17553	0.860663
ENSG00000109107.14	108.7995908	-0.165	0.502479	-0.32838	0.742623
ENSG00000015592.16	108.8175625	0.464055	0.570692	0.813145	0.416135
ENSG00000124508.17	108.8335184	0.156529	0.467002	0.335178	0.737491
ENSG00000169733.12	109.0153295	0.573878	0.49748	1.153569	0.248677
ENSG00000171827.11	109.0372756	-0.73413	0.465516	-1.57702	0.11479
ENSG00000144445.17	109.0434576	-0.02997	0.466979	-0.06418	0.948824
ENSG00000184634.16	109.1056141	-0.79882	0.573178	-1.39366	0.16342
ENSG00000173950.16	109.1864446	0.586024	0.480933	1.218515	0.223028
ENSG00000151466.12	109.2808507	0.045811	0.464458	0.098634	0.921429
ENSG00000229989.4	109.3264625	-0.84324	0.497201	-1.69597	0.089892
ENSG00000007255.10	109.3545628	-0.36443	0.497568	-0.73242	0.463915
ENSG00000138642.15	109.3826688	-0.39305	0.497865	-0.78947	0.429837
ENSG00000155542.12	109.4193189	-0.68583	0.509582	-1.34586	0.178347
ENSG00000163251.4	109.442836	0.041935	0.516156	0.081245	0.935247
ENSG00000101187.16	109.4611823	-0.35575	0.476615	-0.7464	0.455423
ENSG00000085382.12	109.4727041	-0.40593	0.465999	-0.87109	0.383703
ENSG00000261759.1	109.4740162	0.692451	0.484551	1.429057	0.152988
ENSG00000178662.16	109.5683658	-0.87624	0.64561	-1.35724	0.174706
ENSG00000182362.14	109.6335802	-0.35288	0.496334	-0.71097	0.477103
ENSG00000100246.13	109.7834696	-0.38438	0.468248	-0.82088	0.411713
ENSG00000176728.10	109.7995044	0.302113	0.466765	0.647249	0.517471
ENSG00000152804.11	109.8012134	-0.28042	0.529842	-0.52926	0.596628
ENSG00000155254.13	109.8350036	0.09398	0.564677	0.166432	0.867817
ENSG00000162552.15	109.848762	0.399513	0.467581	0.854424	0.39287
ENSG00000258867.6	109.8528911	0.557516	0.531271	1.049401	0.293994
ENSG00000135272.12	109.9274199	-0.01076	0.481704	-0.02234	0.982174
ENSG00000008311.15	109.947921	-0.35001	0.603536	-0.57993	0.561962
ENSG00000104361.10	109.9624009	-0.00044	0.511341	-0.00087	0.999308
ENSG00000160179.19	109.9809367	0.09153	0.515017	0.177723	0.858941
ENSG00000237298.10	109.985764	-0.44474	0.49032	-0.90705	0.364381
ENSG00000188171.16	109.9968397	-0.33568	0.506553	-0.66268	0.507534
ENSG00000188917.15	109.9986401	-0.8064	0.486937	-1.65606	0.09771
ENSG00000185338.6	110.0008529	0.479371	0.535731	0.894799	0.370895
ENSG00000241322.11	110.1140207	-0.52483	0.631024	-0.83172	0.405569
ENSG00000198440.9	110.1179703	-0.63289	0.465796	-1.35873	0.174231
ENSG00000204611.7	110.1345851	-0.41021	0.488375	-0.83995	0.400934
ENSG00000103044.11	110.1743329	0.351631	0.477098	0.737021	0.461109
ENSG00000257594.4	110.1889326	0.880948	0.548026	1.607493	0.107946
ENSG00000142789.20	110.2363009	0.745495	0.590267	1.262978	0.206597
ENSG00000205403.13	110.2371016	-0.00216	0.468301	-0.0046	0.996326
ENSG00000227372.12	110.2666195	-0.08015	0.466771	-0.17171	0.863662
ENSG00000100311.17	110.2900982	-0.37946	0.510247	-0.74368	0.457073
ENSG00000123472.12	110.3046282	0.5655	0.479046	1.180471	0.237813
ENSG00000108474.17	110.424442	0.140712	0.487231	0.2888	0.772734
ENSG00000183208.12	110.4318052	-0.1853	0.490352	-0.37788	0.705517
ENSG00000176454.14	110.4417981	0.149809	0.509061	0.294285	0.76854
ENSG00000051825.15	110.5432198	-0.78235	0.487902	-1.60349	0.108826
ENSG00000142765.18	110.6013442	-0.13799	0.534435	-0.2582	0.796252

ENSG00000134072.11	110.6585092	0.28212	0.492444	0.572897	0.566714
ENSG00000125779.22	110.6761614	-0.03666	0.463204	-0.07915	0.936912
ENSG00000198169.9	110.7183405	-0.23846	0.463479	-0.5145	0.606903
ENSG00000088882.8	110.7274336	-0.14397	0.534949	-0.26913	0.787831
ENSG00000090376.11	110.7520518	-0.24113	0.50514	-0.47736	0.633105
ENSG00000101574.15	110.7696502	-0.12976	0.464937	-0.2791	0.780171
ENSG00000107331.17	110.7804802	-0.08448	0.511092	-0.1653	0.868709
ENSG00000237036.5	110.7816242	0.460122	0.467278	0.984687	0.324778
ENSG00000198554.12	110.8021008	0.547619	0.478122	1.145355	0.252062
ENSG00000174951.11	110.8758763	0.170742	0.480547	0.355307	0.72236
ENSG00000250462.8	110.8792131	0.316985	0.459883	0.689273	0.490651
ENSG00000167186.11	110.8991157	-0.65278	0.501984	-1.3004	0.193465
ENSG00000126561.16	110.9385539	0.372926	0.465737	0.800722	0.423293
ENSG00000196312.15	110.939222	0.485327	0.510523	0.950646	0.341784
ENSG00000159899.15	110.9837392	-0.28257	0.497	-0.56855	0.569662
ENSG00000135454.14	111.0064605	0.120869	0.526976	0.229363	0.818587
ENSG00000183779.7	111.0087404	0.508709	0.491858	1.03426	0.301014
ENSG00000010295.19	111.0663317	-0.15981	0.479916	-0.33299	0.739142
ENSG00000117477.12	111.075968	-0.45968	0.514494	-0.89346	0.371609
ENSG00000263002.8	111.1161202	-0.53805	0.476303	-1.12964	0.258626
ENSG00000169955.7	111.1515945	0.428706	0.465199	0.921554	0.356761
ENSG00000255224.1	111.1570673	0.202168	0.460728	0.438801	0.660806
ENSG00000164967.10	111.1573797	-0.13903	0.459569	-0.30251	0.762261
ENSG00000083093.10	111.2545306	0.225315	0.476399	0.472956	0.636245
ENSG00000182325.11	111.2900305	1.036521	0.501529	2.066722	0.03876
ENSG00000180543.5	111.2958445	1.135639	0.499056	2.275573	0.022872
ENSG00000197119.13	111.2982137	0.691822	0.464969	1.487889	0.13678
ENSG00000086730.17	111.3281244	0.005846	0.471981	0.012386	0.990118
ENSG00000174171.6	111.3664466	0.234052	0.536547	0.436219	0.662678
ENSG00000054392.13	111.3694606	-0.59784	0.519038	-1.15182	0.249396
ENSG00000196696.13	111.4037215	-0.39039	0.479923	-0.81344	0.415965
ENSG00000154237.13	111.416694	0.158338	0.510355	0.310251	0.75637
ENSG00000157193.18	111.4485873	0.21375	0.5056	0.422765	0.672467
ENSG00000186300.12	111.4579945	-0.14981	0.480781	-0.3116	0.755343
ENSG00000163584.18	111.4995539	0.370378	0.463682	0.798776	0.42442
ENSG00000163431.13	111.6171128	0.772233	0.56621	1.363863	0.172611
ENSG00000152359.15	111.7145423	-0.37624	0.49994	-0.75257	0.45171
ENSG00000164221.13	111.7594614	-0.49737	0.489954	-1.01514	0.310037
ENSG00000261641.2	111.8077744	0.620033	0.46894	1.322202	0.186101
ENSG00000174989.13	111.8187993	-0.42399	0.469355	-0.90335	0.36634
ENSG00000131351.15	111.8348844	0.137888	0.466975	0.29528	0.76778
ENSG00000217702.3	111.840911	0.220476	0.465163	0.473976	0.635517
ENSG00000242779.7	111.9176337	-0.71299	0.472717	-1.50828	0.131484
ENSG00000287037.1	111.9196027	-0.95207	0.589087	-1.61617	0.106057
ENSG00000166352.16	111.9476527	-0.47654	0.463515	-1.0281	0.303901
ENSG00000114268.12	111.966604	-0.315	0.52268	-0.60267	0.546728
ENSG00000197442.10	111.9946151	-0.36559	0.481091	-0.75993	0.447298
ENSG00000152229.18	112.0190547	-0.70143	0.483274	-1.45141	0.146665
ENSG00000183323.13	112.0230071	0.11409	0.477301	0.239031	0.811081
ENSG00000090889.12	112.0286752	0.225996	0.642979	0.351484	0.725226
ENSG00000142945.13	112.0805511	0.411679	0.505411	0.814542	0.415334
ENSG00000282951.1	112.2017442	-0.07016	0.520075	-0.1349	0.892692

ENSG00000188785.12	112.2347071	-0.31529	0.462713	-0.68139	0.495623
ENSG00000100505.13	112.2809097	0.147469	0.484018	0.304677	0.760613
ENSG00000105875.14	112.328013	-0.02239	0.5033	-0.04449	0.964515
ENSG00000101421.4	112.3353183	0.847527	0.497441	1.703775	0.088423
ENSG00000164296.7	112.3481755	-0.8161	0.491831	-1.6593	0.097055
ENSG00000196810.5	112.3602867	0.229659	0.491588	0.467178	0.640372
ENSG00000176022.7	112.393481	1.415658	0.468725	3.020233	0.002526
ENSG00000103534.17	112.536607	0.354555	0.461865	0.767659	0.44269
ENSG00000125834.13	112.5523394	0.393747	0.456932	0.861719	0.388842
ENSG00000149499.12	112.5567937	0.392916	0.49787	0.789195	0.429998
ENSG00000253958.2	112.6034782	-0.059	0.536171	-0.11003	0.912382
ENSG00000104760.17	112.647255	-0.45071	0.472891	-0.95309	0.340547
ENSG00000258429.2	112.651725	1.019111	0.648878	1.570574	0.116282
ENSG00000163702.20	112.771423	0.004833	0.532127	0.009082	0.992754
ENSG00000279033.1	112.7876356	-0.25151	0.461362	-0.54514	0.585659
ENSG00000187866.10	112.7982963	0.227403	0.46524	0.488787	0.624993
ENSG00000124205.18	112.8043709	-1.21376	0.52087	-2.33026	0.019792
ENSG00000182013.18	112.8143955	0.4894	0.573892	0.852773	0.393785
ENSG00000244026.6	112.8212041	-0.20444	0.459116	-0.4453	0.656102
ENSG00000126903.16	112.8462413	-0.00191	0.47034	-0.00407	0.996752
ENSG00000197989.14	112.870934	0.209187	0.458511	0.456231	0.648224
ENSG00000144645.14	112.9217087	0.539513	0.508402	1.061192	0.288603
ENSG00000261115.6	113.0271849	0.390776	0.458681	0.851956	0.394238
ENSG00000156795.8	113.0469835	-0.29992	0.49246	-0.60902	0.542509
ENSG00000214765.8	113.065156	-0.38057	0.543709	-0.69994	0.483963
ENSG00000188002.10	113.0807361	0.102527	0.518795	0.197625	0.843338
ENSG00000115112.8	113.1524007	-1.10704	0.460984	-2.40147	0.016329
ENSG00000254996.5	113.2017843	-0.639	0.500604	-1.27646	0.201794
ENSG00000264235.6	113.238862	-0.09983	0.471085	-0.21192	0.832167
ENSG00000175048.17	113.2833454	0.41448	0.457072	0.906815	0.364505
ENSG00000231566.2	113.3258688	-0.27643	0.616049	-0.44871	0.653638
ENSG00000145147.20	113.3342258	0.003023	0.472272	0.006402	0.994892
ENSG00000124217.5	113.3403993	0.253381	0.475925	0.532398	0.594451
ENSG00000257815.7	113.3814591	0.725208	0.628457	1.15395	0.248521
ENSG00000136160.17	113.424767	0.143146	0.530463	0.26985	0.787276
ENSG00000197782.14	113.4360314	-0.27915	0.528542	-0.52816	0.597389
ENSG00000166265.13	113.4668801	-1.06499	0.575446	-1.85073	0.064209
ENSG00000132423.12	113.5026081	0.339456	0.502995	0.67487	0.499759
ENSG00000196557.13	113.5761027	0.705383	0.489738	1.440327	0.149775
ENSG00000197978.9	113.6232498	0.070744	0.539775	0.131062	0.895726
ENSG00000100599.16	113.6352721	0.232451	0.469802	0.494786	0.620751
ENSG00000245680.11	113.677481	-0.20725	0.476935	-0.43455	0.663889
ENSG00000141582.15	113.6913923	1.036077	0.494519	2.095122	0.03616
ENSG00000122547.11	113.7362762	0.313537	0.621954	0.504116	0.61418
ENSG00000229766.7	113.7953028	-0.44638	0.492774	-0.90586	0.365012
ENSG00000050628.20	113.8064872	0.599765	0.521861	1.149282	0.25044
ENSG00000069122.19	113.8285218	-0.07773	0.480308	-0.16184	0.871435
ENSG00000173898.14	113.863996	0.007473	0.483974	0.01544	0.987681
ENSG00000280721.1	113.8772668	-0.31137	0.459643	-0.67742	0.49814
ENSG00000108622.11	113.8866286	-0.3703	0.484239	-0.76471	0.444444
ENSG00000163214.21	113.8992776	0.571674	0.515282	1.10944	0.267241
ENSG00000148908.15	113.9529554	-0.07957	0.481608	-0.16521	0.868778

ENSG00000149564.12	113.9619935	0.001811	0.521911	0.003471	0.997231
ENSG00000158158.12	114.0009777	-0.14155	0.472533	-0.29955	0.764523
ENSG00000183628.14	114.0043396	-0.3936	0.477909	-0.82359	0.410175
ENSG00000130589.16	114.0636929	-0.0873	0.459579	-0.18997	0.849336
ENSG00000250479.9	114.114086	1.343215	0.463466	2.898196	0.003753
ENSG00000047634.15	114.1144274	-0.34555	0.474111	-0.72884	0.466097
ENSG00000172375.13	114.1614446	0.511275	0.509481	1.003523	0.315609
ENSG00000169169.15	114.1775111	0.138969	0.503484	0.276014	0.782537
ENSG00000164953.16	114.2175868	0.255476	0.488459	0.523025	0.600957
ENSG00000180901.11	114.334361	0.519902	0.50519	1.02912	0.303423
ENSG00000235194.9	114.3377811	-0.57333	0.464903	-1.23323	0.217491
ENSG00000172932.16	114.345565	0.827483	0.519047	1.594235	0.110883
ENSG00000257337.7	114.3819593	0.417369	0.476925	0.875126	0.381506
ENSG00000093134.15	114.4023214	-0.19341	0.49694	-0.3892	0.697125
ENSG00000127530.4	114.5093888	0.006226	0.478947	0.013	0.989628
ENSG00000197562.10	114.5160642	-0.12058	0.480381	-0.25101	0.801805
ENSG00000186104.10	114.5379194	-0.35607	0.511492	-0.69614	0.486339
ENSG00000284922.2	114.5771467	0.240842	0.464743	0.518227	0.6043
ENSG00000154548.9	114.5969178	-0.37283	0.463293	-0.80475	0.420966
ENSG00000284753.2	114.6899123	0.087138	0.505954	0.172225	0.863261
ENSG00000215030.5	114.7376531	0.026258	0.592111	0.044346	0.964629
ENSG00000167065.13	114.7860132	-0.32499	0.470015	-0.69144	0.489287
ENSG00000157426.14	114.7902927	-0.45435	0.459636	-0.9885	0.322909
ENSG00000259049.1	114.7917933	-0.09092	0.529462	-0.17172	0.863659
ENSG00000176531.10	114.7958167	0.044984	0.479976	0.09372	0.925331
ENSG00000227097.5	114.8293124	0.496578	0.522516	0.95036	0.34193
ENSG00000132003.9	114.8429056	-0.36818	0.465136	-0.79156	0.42862
ENSG00000170632.14	114.9044619	-0.34195	0.454355	-0.75259	0.451694
ENSG00000203727.4	114.9237001	1.141293	0.456906	2.497874	0.012494
ENSG00000144306.15	114.9385836	-0.33256	0.472612	-0.70365	0.481649
ENSG00000118922.17	114.9476553	-0.03295	0.454501	-0.07249	0.942213
ENSG00000087266.17	114.98405	-0.33421	0.462959	-0.72191	0.47035
ENSG00000253250.3	115.0639229	-0.89294	0.498731	-1.79043	0.073385
ENSG00000198157.11	115.1001467	-0.05063	0.461495	-0.1097	0.912643
ENSG00000273192.1	115.1068451	0.170862	0.454332	0.376073	0.706863
ENSG00000163312.11	115.13802	-0.81746	0.492032	-1.6614	0.096633
ENSG00000166250.12	115.1459303	0.714135	0.464578	1.537171	0.124251
ENSG00000196757.8	115.1700395	-0.50894	0.510355	-0.99722	0.318656
ENSG00000186020.13	115.2087674	0.351411	0.498293	0.70523	0.480667
ENSG00000124541.7	115.242236	0.737958	0.467982	1.576894	0.11482
ENSG00000155265.11	115.2490071	0.563497	0.492869	1.143298	0.252915
ENSG00000197852.12	115.2572705	-0.84397	0.541492	-1.55859	0.119092
ENSG00000132773.12	115.2881651	0.062417	0.455413	0.137056	0.890987
ENSG00000284874.1	115.3205111	1.586329	0.615502	2.577291	0.009958
ENSG00000146556.14	115.3356339	-0.05206	0.4553	-0.11433	0.908973
ENSG00000126821.8	115.3507925	0.392797	0.469425	0.836761	0.402727
ENSG00000129009.13	115.4180193	0.039769	0.497763	0.079895	0.936321
ENSG00000143379.12	115.4479724	-0.01225	0.455706	-0.02687	0.97856
ENSG00000114541.15	115.4658277	-0.40894	0.510404	-0.80121	0.423012
ENSG00000175395.16	115.4675231	-0.84528	0.469839	-1.79907	0.072007
ENSG00000127564.17	115.5396251	0.852878	0.488075	1.747432	0.080562
ENSG00000053108.17	115.5509019	-0.46802	0.519959	-0.90011	0.368063

ENSG00000184939.16	115.6023126	-0.30289	0.491744	-0.61595	0.537927
ENSG00000088970.16	115.6264512	-0.45577	0.485574	-0.93862	0.347926
ENSG00000155111.15	115.6293925	0.495251	0.523918	0.945284	0.344514
ENSG00000157551.19	115.6378983	-0.76363	0.587979	-1.29873	0.194036
ENSG00000117480.16	115.6436672	-0.22557	0.464184	-0.48596	0.626999
ENSG00000176463.14	115.6731125	0.415975	0.519851	0.800181	0.423606
ENSG00000110427.16	115.6889817	-0.14189	0.472974	-0.29999	0.764185
ENSG00000198324.13	115.706781	0.40151	0.500363	0.802437	0.4223
ENSG00000126705.15	115.7201197	0.544717	0.485483	1.122011	0.261858
ENSG00000164483.17	115.7673411	-0.60328	0.492934	-1.22385	0.221008
ENSG00000198270.13	115.7688213	-0.69491	0.550777	-1.2617	0.207058
ENSG00000116678.20	115.7705449	-0.75751	0.512052	-1.47936	0.139045
ENSG00000261385.1	115.7705994	0.683535	0.536706	1.273573	0.202815
ENSG00000183044.12	115.8114828	0.077636	0.459713	0.16888	0.865891
ENSG00000151151.6	115.8121431	-0.54639	0.458075	-1.19281	0.232945
ENSG00000175137.11	115.8293508	0.472377	0.460886	1.024932	0.305395
ENSG00000248015.7	115.8436877	0.195321	0.465222	0.419844	0.674599
ENSG00000115840.14	115.8820163	-0.06746	0.484498	-0.13925	0.889255
ENSG00000135315.12	115.9350264	-0.42022	0.470197	-0.89372	0.371473
ENSG00000269984.1	115.9655988	-0.36618	0.473304	-0.77367	0.439127
ENSG00000185813.11	116.0136895	0.088501	0.480888	0.184036	0.853985
ENSG00000138134.12	116.0378045	0.146083	0.467513	0.312468	0.754685
ENSG00000137411.19	116.1097087	-0.14556	0.475148	-0.30635	0.759338
ENSG00000100031.19	116.1132648	0.011225	0.494135	0.022717	0.981876
ENSG00000100036.13	116.132998	0.268579	0.471009	0.570221	0.568528
ENSG00000134909.18	116.1729317	-0.1385	0.468721	-0.29548	0.767627
ENSG00000137337.15	116.2359672	0.221491	0.480251	0.461199	0.644656
ENSG00000100739.11	116.2366553	-0.45216	0.523163	-0.86428	0.387435
ENSG00000110031.13	116.2510221	-0.13207	0.458441	-0.28807	0.773289
ENSG00000231290.6	116.2968903	-0.45816	0.536306	-0.85428	0.39295
ENSG00000179029.15	116.3199541	-0.35893	0.452727	-0.79281	0.427889
ENSG00000124731.13	116.3217657	0.041524	0.50033	0.082994	0.933857
ENSG00000100350.14	116.3400191	0.33506	0.460398	0.727762	0.466759
ENSG00000198924.8	116.3421841	-0.34711	0.458985	-0.75627	0.44949
ENSG00000104866.11	116.3633561	0.452578	0.457067	0.990177	0.322088
ENSG00000169282.17	116.3739356	0.281544	0.480025	0.58652	0.557526
ENSG00000072864.16	116.3830314	-0.23944	0.460672	-0.51976	0.603231
ENSG00000145642.12	116.4046802	-0.62564	0.519727	-1.20378	0.228675
ENSG00000169087.11	116.4466268	-0.64272	0.482313	-1.33258	0.182669
ENSG00000142197.12	116.4851019	-0.17353	0.512579	-0.33854	0.734955
ENSG00000184661.14	116.526891	-0.09527	0.627817	-0.15175	0.879382
ENSG00000266642.2	116.5280255	-0.02862	0.456316	-0.06272	0.949991
ENSG00000160221.18	116.5315385	-0.19104	0.478855	-0.39895	0.689927
ENSG00000234608.8	116.5378794	0.041632	0.478223	0.087055	0.930628
ENSG00000116205.14	116.5461617	-0.512	0.494634	-1.0351	0.300622
ENSG00000272256.1	116.5706869	-0.8347	0.546481	-1.52741	0.126659
ENSG00000232748.3	116.5772139	0.08158	0.467276	0.174587	0.861404
ENSG00000120519.15	116.6133287	-0.40709	0.474203	-0.85848	0.390629
ENSG00000196636.8	116.6376848	0.266062	0.467512	0.569102	0.569287
ENSG00000185219.17	116.6920759	0.257756	0.506358	0.509039	0.610725
ENSG00000118620.13	116.7346182	0.180939	0.48642	0.37198	0.709908
ENSG00000166016.6	116.773172	0.009061	0.456569	0.019845	0.984167

ENSG00000181404.17	116.7864282	-0.44344	0.452214	-0.9806	0.326789
ENSG00000259623.1	116.7962736	-0.71286	0.630738	-1.1302	0.258393
ENSG00000179299.17	116.8063207	0.143517	0.474648	0.302366	0.762373
ENSG00000140691.18	116.8308161	0.263178	0.469455	0.560602	0.575069
ENSG00000014914.21	116.8447763	-0.11087	0.457896	-0.24214	0.808672
ENSG00000130810.20	116.8468277	0.307183	0.569709	0.539192	0.589754
ENSG00000173041.12	116.8800492	0.057026	0.481285	0.118487	0.905682
ENSG00000177352.10	116.8987561	-0.65063	0.650437	-1.0003	0.317167
ENSG00000122779.18	116.9113954	0.266141	0.505762	0.526219	0.598736
ENSG00000133958.13	116.937824	0.083569	0.476213	0.175487	0.860697
ENSG00000181192.12	116.9510627	-0.34035	0.463104	-0.73492	0.462386
ENSG00000198947.16	116.9614442	0.388303	0.476876	0.814265	0.415493
ENSG00000106538.10	116.9854476	0.157044	0.46248	0.339568	0.734182
ENSG00000113272.14	117.0056142	0.517765	0.45714	1.132617	0.257375
ENSG00000167925.16	117.037457	0.53153	0.467963	1.135839	0.256024
ENSG00000196268.12	117.0383591	-0.05234	0.469119	-0.11158	0.91116
ENSG00000033327.13	117.0720728	-0.08832	0.452986	-0.19496	0.845421
ENSG00000167377.18	117.0866967	0.386723	0.503032	0.768785	0.442021
ENSG00000132436.11	117.1481495	0.227862	0.468405	0.486462	0.626639
ENSG00000120334.15	117.1898337	0.170665	0.46399	0.36782	0.713007
ENSG00000171853.16	117.2207325	0.937071	0.468367	2.00072	0.045423
ENSG00000073536.18	117.2698061	-0.39595	0.485262	-0.81595	0.414528
ENSG00000150401.15	117.310711	-0.24943	0.50852	-0.49051	0.623776
ENSG00000263155.6	117.3179467	-0.20133	0.471393	-0.42711	0.669302
ENSG00000131015.5	117.32947	-0.10864	0.475685	-0.22838	0.819348
ENSG00000248008.3	117.3380995	-1.08589	0.567501	-1.91347	0.055688
ENSG00000164125.15	117.3730359	-0.17166	0.469816	-0.36538	0.71483
ENSG00000044459.15	117.4203773	0.138504	0.453625	0.305326	0.760118
ENSG00000186132.15	117.4779537	-0.54878	0.487444	-1.12583	0.260238
ENSG00000204802.3	117.5108576	-0.09754	0.552147	-0.17665	0.859781
ENSG00000141431.12	117.5458106	-0.24302	0.458156	-0.53044	0.595807
ENSG00000108469.15	117.5629925	0.514406	0.472663	1.088313	0.276457
ENSG00000069399.15	117.5790021	0.34722	0.455607	0.762105	0.445998
ENSG00000119714.11	117.6572641	0.433242	0.502064	0.862921	0.388181
ENSG00000248508.8	117.6979529	-0.42373	0.5079	-0.83428	0.404122
ENSG00000142856.17	117.7352826	-0.32203	0.464779	-0.69288	0.488386
ENSG00000215256.4	117.7921259	0.006532	0.45138	0.01447	0.988455
ENSG00000286075.1	117.7928411	-0.31979	0.572467	-0.55862	0.57642
ENSG00000160408.14	117.903491	0.199845	0.450747	0.443364	0.657503
ENSG00000162069.16	117.9198808	0.072125	0.465483	0.154946	0.876864
ENSG00000169203.16	117.9256839	-0.62039	0.456753	-1.35826	0.174381
ENSG00000157456.8	117.9333565	-0.16225	0.529261	-0.30656	0.759179
ENSG00000279457.4	117.9775165	-1.28843	0.519101	-2.48204	0.013063
ENSG00000150540.14	118.0838419	0.16007	0.451147	0.354807	0.722734
ENSG00000166529.15	118.1369743	-0.41438	0.464986	-0.89116	0.372843
ENSG00000152413.15	118.1391863	-0.27615	0.456345	-0.60513	0.545096
ENSG00000015520.15	118.1430469	0.298001	0.469692	0.634461	0.52578
ENSG00000198909.8	118.1447195	0.369657	0.502813	0.735178	0.462231
ENSG00000234420.7	118.1945166	-0.45208	0.584029	-0.77408	0.438885
ENSG00000161277.11	118.2106118	-1.01426	0.50559	-2.00609	0.044847
ENSG00000168556.7	118.2169437	-0.06191	0.500761	-0.12363	0.901612
ENSG00000204104.12	118.2412232	0.864714	0.524293	1.649295	0.099087

ENSG00000168077.14	118.2734766	0.911383	0.496153	1.836897	0.066225
ENSG00000213859.6	118.3068569	-0.1628	0.580921	-0.28025	0.779288
ENSG00000101546.13	118.340113	-0.52668	0.464584	-1.13367	0.256934
ENSG00000278175.4	118.3999596	-0.12047	0.469129	-0.25678	0.797345
ENSG00000176155.19	118.4332479	0.446333	0.468195	0.953305	0.340436
ENSG00000286883.1	118.4800207	0.054741	0.464202	0.117925	0.906127
ENSG00000135723.14	118.4938016	0.245708	0.460291	0.53381	0.593473
ENSG00000002016.18	118.573446	-0.48229	0.458188	-1.05259	0.292527
ENSG00000003249.14	118.5841147	0.190644	0.548699	0.347447	0.728256
ENSG00000130037.5	118.6428935	-0.23309	1.456763	-0.16	0.872879
ENSG00000244151.1	118.6640501	0.862057	0.501457	1.719106	0.085595
ENSG00000112941.14	118.711229	0.160093	0.472067	0.339133	0.73451
ENSG00000134326.11	118.740645	-0.45683	0.521184	-0.87652	0.380745
ENSG00000089127.14	118.7729165	0.257118	0.580287	0.443088	0.657702
ENSG00000136161.12	118.7785972	-0.92108	0.630181	-1.46161	0.143847
ENSG00000100150.20	118.9027077	0.531368	0.494633	1.074268	0.282703
ENSG00000007402.11	118.9767563	0.021902	0.457436	0.04788	0.961812
ENSG00000077157.22	119.0067567	-0.30461	0.457537	-0.66576	0.505564
ENSG00000107036.12	119.0242694	-0.23688	0.45765	-0.51761	0.60473
ENSG00000104450.13	119.044565	-0.33071	0.456853	-0.72389	0.469136
ENSG00000153815.16	119.0524527	0.733095	0.456477	1.605983	0.108278
ENSG00000153237.18	119.1240746	-0.71462	0.484188	-1.47591	0.139968
ENSG00000140104.14	119.1302509	-0.08776	0.456292	-0.19232	0.84749
ENSG00000006634.8	119.1774053	-0.32544	0.507053	-0.64183	0.520982
ENSG00000170345.10	119.307821	-0.00385	0.541835	-0.0071	0.994331
ENSG00000179085.8	119.3140001	0.594866	0.45507	1.307195	0.191147
ENSG00000072071.16	119.3733362	0.643508	0.610605	1.053886	0.291935
ENSG00000171385.9	119.5444095	0.181852	0.464761	0.391281	0.69559
ENSG00000171533.11	119.5755347	0.393637	0.467971	0.841157	0.40026
ENSG00000088035.18	119.6209085	-0.58149	0.491749	-1.1825	0.237008
ENSG00000205808.7	119.6581721	0.032651	0.4749	0.068754	0.945186
ENSG00000144040.13	119.6734207	0.472663	0.450036	1.050279	0.29359
ENSG00000087152.15	119.6841031	0.824157	0.473243	1.741507	0.081595
ENSG00000087903.13	119.7978223	-0.14042	0.496877	-0.28261	0.777479
ENSG00000147804.10	119.8164219	0.246976	0.498793	0.495148	0.620496
ENSG00000181982.18	119.8496679	0.272577	0.524501	0.519687	0.603282
ENSG00000177685.17	119.9449102	0.33877	0.461727	0.733702	0.46313
ENSG00000247092.7	119.9662013	0.273549	0.510477	0.535869	0.592049
ENSG00000158169.13	119.988481	0.295284	0.450982	0.654759	0.512623
ENSG00000172175.15	120.0153048	-0.15905	0.457998	-0.34727	0.728385
ENSG00000174032.17	120.0214744	-0.39188	0.46693	-0.83927	0.401316
ENSG00000213020.10	120.0291354	-0.23263	0.598923	-0.38841	0.697713
ENSG00000187741.15	120.0993461	0.556577	0.47752	1.165558	0.243793
ENSG00000063601.17	120.1528324	0.257561	0.471893	0.545804	0.585201
ENSG00000258964.1	120.1632807	-0.5362	0.510593	-1.05015	0.293647
ENSG00000163945.18	120.1818429	0.236292	0.507515	0.465586	0.641512
ENSG00000267724.1	120.1829947	-0.31333	0.468313	-0.66907	0.503452
ENSG00000167785.9	120.1891291	-0.83157	0.457683	-1.81692	0.06923
ENSG00000168843.14	120.2768519	-0.98819	0.538954	-1.83352	0.066725
ENSG00000183060.15	120.322853	-0.36808	0.473769	-0.77692	0.437206
ENSG00000115232.14	120.3445086	0.464017	0.555358	0.835528	0.403421
ENSG00000145819.18	120.3717072	-0.22684	0.541372	-0.41901	0.675206

ENSG00000163629.13	120.3938322	-0.24485	0.450354	-0.54369	0.586655
ENSG00000007520.4	120.4153177	1.136381	0.51813	2.193235	0.02829
ENSG00000100162.15	120.4609904	-0.08453	0.466122	-0.18135	0.856093
ENSG00000154814.14	120.519223	-0.40043	0.464931	-0.86126	0.389095
ENSG00000125898.13	120.545086	0.110967	0.551659	0.201151	0.84058
ENSG00000163623.9	120.5685215	-0.07746	0.540118	-0.14341	0.885969
ENSG00000137462.9	120.5752816	-0.26223	0.473753	-0.55353	0.579904
ENSG00000157306.14	120.5797099	-0.14617	0.454624	-0.32151	0.747823
ENSG00000059769.20	120.5897582	0.326621	0.460212	0.709719	0.477878
ENSG00000089050.16	120.7089727	-0.33122	0.526965	-0.62855	0.529642
ENSG00000184384.14	120.7114681	0.508761	0.457851	1.111193	0.266485
ENSG00000230583.7	120.727924	-0.40164	0.501427	-0.80099	0.423135
ENSG00000250903.9	120.7457983	-0.31454	0.489304	-0.64282	0.52034
ENSG00000233937.7	120.751145	0.748563	0.47874	1.563612	0.117909
ENSG00000116128.11	120.7756248	0.021222	0.448591	0.047307	0.962268
ENSG00000095951.17	120.8001062	-0.14947	0.486226	-0.3074	0.758535
ENSG00000168904.15	120.8230879	-0.65213	0.55422	-1.17666	0.23933
ENSG00000254528.7	120.8701138	-0.55798	0.498431	-1.11947	0.262942
ENSG00000183160.9	120.8895969	1.023539	0.576733	1.774719	0.075944
ENSG00000112984.12	120.9519052	0.401201	0.575899	0.696652	0.486021
ENSG00000148702.15	121.0316312	0.524534	0.493039	1.063878	0.287384
ENSG00000027075.15	121.0347676	-0.43303	0.474521	-0.91257	0.361471
ENSG00000170085.18	121.0705966	0.04269	0.467934	0.091232	0.927308
ENSG00000163040.14	121.075351	-0.71066	0.467481	-1.5202	0.128461
ENSG00000149782.12	121.1563468	0.736188	0.456855	1.611425	0.107087
ENSG00000188215.10	121.2255991	-0.05367	0.467943	-0.1147	0.908681
ENSG00000167100.15	121.2349041	-0.3197	0.450338	-0.70991	0.477761
ENSG00000147121.16	121.2501616	-0.89583	0.461836	-1.93972	0.052414
ENSG00000126803.9	121.27431	0.431705	0.546764	0.789564	0.429783
ENSG00000132635.17	121.3216717	-0.12104	0.451306	-0.2682	0.788547
ENSG00000108932.12	121.3523904	0.088703	0.518605	0.171041	0.864191
ENSG00000244306.11	121.3654495	1.121005	0.558675	2.006545	0.044798
ENSG00000068097.15	121.3763318	-0.79928	0.55949	-1.42859	0.153124
ENSG00000284776.1	121.3892349	-0.5703	0.493618	-1.15535	0.247946
ENSG00000147133.16	121.4195695	0.399629	0.494911	0.807476	0.419392
ENSG00000013563.14	121.4742811	-0.734	0.495672	-1.48082	0.138655
ENSG00000122696.14	121.4797243	-0.20017	0.458245	-0.43681	0.662246
ENSG00000124574.15	121.4973048	0.39765	0.450102	0.883467	0.376984
ENSG00000152969.20	121.5330786	-0.95637	0.523047	-1.82846	0.06748
ENSG00000102870.6	121.5386482	0.720805	0.479394	1.503577	0.13269
ENSG00000133985.3	121.5403487	0.700333	0.463467	1.511075	0.130769
ENSG00000135049.16	121.5444508	-0.46097	0.450433	-1.02339	0.306123
ENSG00000007866.21	121.5452812	0.638344	0.46693	1.367109	0.171591
ENSG00000271204.1	121.5656824	-0.75956	0.454961	-1.6695	0.095018
ENSG00000189042.13	121.5958892	-0.70762	0.508123	-1.39263	0.163733
ENSG00000182986.14	121.6443388	-0.94761	0.449951	-2.10602	0.035202
ENSG00000159921.18	121.654737	-0.59967	0.450957	-1.32977	0.183596
ENSG00000092208.17	121.7237662	-0.33267	0.468711	-0.70976	0.477852
ENSG00000065057.9	121.7728902	0.70124	0.504192	1.39082	0.16428
ENSG00000135622.13	121.7757009	-0.7646	0.47275	-1.61734	0.105806
ENSG00000162714.12	121.8049444	0.188882	0.45046	0.41931	0.674989
ENSG00000092470.12	121.8129309	0.983319	0.530235	1.854497	0.063668

ENSG00000079313.15	121.8975483	0.361064	0.466304	0.77431	0.438747
ENSG00000168899.5	121.9344073	-0.34446	0.458375	-0.75149	0.452359
ENSG00000151575.14	121.9358838	0.005927	0.489375	0.012112	0.990336
ENSG00000182359.15	121.9456831	-0.14336	0.479024	-0.29928	0.764727
ENSG00000183386.10	121.9713851	-0.21418	0.478409	-0.4477	0.654368
ENSG00000130299.17	121.9759969	-0.0999	0.461631	-0.21641	0.828665
ENSG00000165209.19	122.0242914	0.243653	0.500675	0.486649	0.626507
ENSG00000204536.14	122.0358836	0.505988	0.479539	1.055156	0.291354
ENSG00000134905.17	122.0360319	1.154567	0.464561	2.485288	0.012945
ENSG00000165115.15	122.050829	-1.20011	0.461657	-2.59956	0.009334
ENSG00000110583.13	122.0689496	-0.04519	0.479912	-0.09416	0.924982
ENSG00000167971.16	122.1051313	0.410297	0.486453	0.843447	0.398979
ENSG00000261796.1	122.1221841	-0.46816	0.553983	-0.84509	0.398063
ENSG00000267645.5	122.1761784	1.512356	2.051648	0.737142	0.461036
ENSG00000138617.16	122.1947236	-0.32897	0.448346	-0.73374	0.463106
ENSG0000024526.17	122.2010104	0.088891	0.556242	0.159807	0.873033
ENSG00000126351.13	122.2117468	0.08015	0.481819	0.166349	0.867882
ENSG00000144535.20	122.2166987	0.021193	0.455028	0.046575	0.962852
ENSG00000165617.15	122.3775019	0.660009	0.463287	1.424623	0.154266
ENSG00000102125.16	122.4932409	-0.12945	0.453617	-0.28537	0.775362
ENSG00000267328.1	122.5082276	-0.32137	0.648096	-0.49587	0.619985
ENSG00000197620.11	122.5633145	0.008621	0.447586	0.01926	0.984634
ENSG00000119938.9	122.5820874	0.270897	0.591727	0.457807	0.647091
ENSG00000146063.20	122.5879577	0.311858	0.44858	0.695212	0.486923
ENSG00000077458.13	122.5913699	-0.71769	0.463938	-1.54696	0.121873
ENSG00000183840.7	122.6208086	0.169968	0.482099	0.352559	0.724419
ENSG00000133424.21	122.693346	0.434231	0.451899	0.960903	0.336601
ENSG00000168228.15	122.7133887	-0.50385	0.4534	-1.11127	0.26645
ENSG00000111186.13	122.7158836	0.414124	0.468462	0.884007	0.376692
ENSG00000236404.10	122.7177667	-0.6629	0.455489	-1.45536	0.145569
ENSG00000253276.4	122.7278685	0.639339	0.485665	1.316421	0.188033
ENSG00000116903.7	122.7409948	0.110444	0.45265	0.243995	0.807235
ENSG00000182108.11	122.7593339	0.684293	0.500277	1.367827	0.171366
ENSG00000109458.8	122.7749026	-0.77659	0.465429	-1.66854	0.095209
ENSG00000151876.13	122.7898502	-0.7252	0.465307	-1.55854	0.119105
ENSG00000130958.13	122.7926361	0.55153	0.534223	1.032398	0.301886
ENSG00000185909.15	122.8344772	0.070208	0.448938	0.156387	0.875728
ENSG00000103264.18	122.9097396	0.293108	0.50841	0.576519	0.564265
ENSG00000165526.9	122.9517104	-0.38571	0.453217	-0.85105	0.394742
ENSG00000141084.11	122.9872252	-0.50284	0.446981	-1.12496	0.260605
ENSG00000259248.7	122.9961059	-0.13834	0.461066	-0.30004	0.76415
ENSG00000119946.11	123.0116077	-0.4211	0.489435	-0.86039	0.389575
ENSG00000187391.22	123.1832951	-0.04187	0.444772	-0.09415	0.924991
ENSG00000238083.7	123.2000582	-0.3653	0.446496	-0.81814	0.413277
ENSG00000183036.11	123.2452334	0.181667	0.47366	0.383539	0.70132
ENSG00000240024.5	123.2876558	-0.54087	0.471463	-1.14723	0.251288
ENSG00000095739.11	123.2979899	0.550911	0.466409	1.181178	0.237532
ENSG00000118276.11	123.3173864	-0.50194	0.465117	-1.07917	0.280512
ENSG00000237988.5	123.3329973	1.086469	0.520671	2.086671	0.036918
ENSG00000171004.18	123.3334616	-0.0249	0.483224	-0.05153	0.958904
ENSG00000175106.16	123.3420046	-0.95552	0.474482	-2.01381	0.044029
ENSG00000081818.4	123.365987	-0.12145	0.494601	-0.24554	0.806035

ENSG00000126003.7	123.3824412	0.04528	0.444545	0.101857	0.91887
ENSG00000125485.17	123.396472	-0.11508	0.448661	-0.25649	0.797575
ENSG00000162694.14	123.4086052	0.027107	0.469527	0.057733	0.953961
ENSG00000279945.1	123.4426867	-0.17544	0.452803	-0.38745	0.69842
ENSG00000185842.15	123.4922854	-0.25502	0.455546	-0.55982	0.575603
ENSG00000164818.16	123.5139756	0.098148	0.46437	0.211356	0.832609
ENSG00000179094.16	123.5557078	0.09577	0.513265	0.18659	0.851982
ENSG00000175535.6	123.5789769	0.39294	0.5565	0.706092	0.480131
ENSG00000144161.13	123.6473334	-0.14606	0.579114	-0.25221	0.800878
ENSG00000072163.20	123.6694824	0.400666	0.47546	0.842693	0.3994
ENSG00000171163.16	123.7060032	-0.08989	0.454778	-0.19766	0.843308
ENSG00000259112.2	123.7069993	-0.20821	0.451362	-0.4613	0.644584
ENSG00000173918.15	123.7423338	0.491259	0.464023	1.058694	0.289739
ENSG00000144619.15	123.7432415	0.065871	0.459103	0.143477	0.885913
ENSG00000131019.11	123.7982629	-0.20749	0.480908	-0.43146	0.666132
ENSG00000101868.12	123.8038369	0.184647	0.46066	0.400832	0.688544
ENSG00000249992.2	123.8202839	1.915316	0.488262	3.922719	8.76E-05
ENSG00000259431.6	123.934096	-0.39957	0.49147	-0.81301	0.41621
ENSG00000215271.9	124.0329403	-0.23976	0.528164	-0.45395	0.649865
ENSG00000141034.10	124.0601428	0.4137	0.497838	0.830993	0.405978
ENSG00000171488.15	124.0763156	0.387396	0.473126	0.818801	0.4129
ENSG00000188177.14	124.0842958	0.018311	0.635435	0.028816	0.977011
ENSG00000117266.15	124.0954483	-0.25049	0.469009	-0.53409	0.593281
ENSG00000160961.12	124.1130051	-0.43692	0.468117	-0.93336	0.350633
ENSG00000143190.23	124.1352444	0.045057	0.483132	0.093261	0.925697
ENSG00000136856.18	124.2401017	-0.55909	0.466243	-1.19913	0.230478
ENSG00000144857.14	124.2637973	0.09828	0.514997	0.190835	0.848655
ENSG00000105467.9	124.3123937	0.150285	0.528759	0.284221	0.776241
ENSG00000249709.8	124.322868	-0.05751	0.544042	-0.10571	0.915809
ENSG00000170899.11	124.3794265	-0.13109	0.461295	-0.28419	0.776266
ENSG00000101447.15	124.3800992	0.202515	0.612824	0.330462	0.741051
ENSG00000197024.9	124.3861727	0.431734	0.462605	0.933268	0.350682
ENSG00000141013.17	124.4397134	0.107093	0.484842	0.220882	0.825184
ENSG00000256514.1	124.4539742	-0.32925	0.445703	-0.73872	0.460076
ENSG00000183309.12	124.5055688	-0.44232	0.445476	-0.99291	0.320755
ENSG00000164197.12	124.567958	-0.65474	0.477846	-1.3702	0.170626
ENSG00000225151.10	124.5951176	0.294325	0.452135	0.650967	0.515068
ENSG00000165661.17	124.6031742	0.615275	0.463737	1.326775	0.184583
ENSG00000159685.11	124.6370051	0.025285	0.454263	0.055661	0.955612
ENSG00000203668.2	124.6479276	0.83873	0.461333	1.818058	0.069055
ENSG00000101347.10	124.6686957	-0.1859	0.446783	-0.41607	0.677355
ENSG00000287778.1	124.7207921	0.007577	0.47851	0.015835	0.987366
ENSG00000221829.10	124.7249583	0.275742	0.456384	0.604188	0.545719
ENSG00000213689.14	124.7505061	0.273632	0.482044	0.56765	0.570273
ENSG00000128573.26	124.757775	-0.21956	0.483658	-0.45395	0.649865
ENSG00000134317.18	124.7583361	-0.277	0.452289	-0.61244	0.540246
ENSG00000101746.15	124.7799024	-0.02094	0.568909	-0.03681	0.970637
ENSG00000197584.12	124.8146793	-0.68025	0.486461	-1.39836	0.162006
ENSG00000180353.11	124.8325919	0.030922	0.468325	0.066026	0.947357
ENSG00000169914.6	124.8713865	0.155665	0.44468	0.350061	0.726293
ENSG00000006210.7	124.8968058	-0.12431	0.463477	-0.26821	0.788534
ENSG00000166803.14	124.9047634	-0.06801	0.463641	-0.14669	0.883374

ENSG00000213445.10	124.9070798	-0.25784	0.44914	-0.57408	0.565914
ENSG00000108423.15	124.9176759	-0.44547	0.481527	-0.92512	0.354903
ENSG00000214753.4	124.9633886	1.066852	0.469252	2.273517	0.022995
ENSG00000275004.4	124.9726158	-0.8858	0.483043	-1.8338	0.066684
ENSG00000259536.5	124.9836135	-0.55853	0.462646	-1.20725	0.227335
ENSG00000168255.20	124.9883937	-1.11914	0.54253	-2.06281	0.03913
ENSG00000271601.4	125.0194862	0.090034	0.464245	0.193936	0.846226
ENSG00000265618.1	125.0370534	-0.23601	0.46641	-0.50601	0.612848
ENSG00000125503.13	125.0724715	1.266517	0.50418	2.512032	0.012004
ENSG00000132688.11	125.0885749	0.825943	0.542793	1.521653	0.128096
ENSG00000149809.16	125.1481512	-0.43885	0.531254	-0.82607	0.408764
ENSG00000197253.13	125.1628753	0.552314	0.622159	0.887738	0.374682
ENSG00000182165.18	125.2303071	-0.3306	0.465686	-0.70991	0.47776
ENSG00000135838.13	125.2579788	-0.62975	0.579492	-1.08672	0.277159
ENSG00000226688.7	125.2595295	0.145864	0.479371	0.304282	0.760913
ENSG00000115255.11	125.2674765	-0.36404	0.503752	-0.72265	0.469892
ENSG00000198799.12	125.2709074	-0.55741	0.456002	-1.22237	0.221566
ENSG00000164620.9	125.3089051	-0.49819	0.453207	-1.09926	0.271655
ENSG00000265784.1	125.3128386	0.926215	0.470263	1.969568	0.048888
ENSG00000129521.15	125.3764561	-0.5059	0.54777	-0.92357	0.35571
ENSG00000081026.19	125.4011567	0.357517	0.443293	0.806503	0.419953
ENSG00000171612.7	125.4037381	0.832892	0.540893	1.539847	0.123598
ENSG00000065361.16	125.407883	-0.08993	0.485546	-0.18521	0.853067
ENSG00000161013.17	125.443359	0.921538	0.491734	1.874056	0.060923
ENSG00000254470.3	125.464004	0.682134	0.458424	1.487998	0.136751
ENSG00000245060.8	125.4743876	-0.09948	0.452998	-0.21961	0.826174
ENSG00000254741.1	125.5893762	0.574467	0.514658	1.116212	0.264331
ENSG00000183048.12	125.6446468	0.286074	0.542165	0.527652	0.597741
ENSG00000172216.6	125.6662968	1.520468	0.558659	2.721637	0.006496
ENSG00000178585.15	125.7005636	0.209908	0.478877	0.438334	0.661144
ENSG00000120662.16	125.7077322	0.094517	0.484864	0.194936	0.845443
ENSG00000268983.1	125.7283607	-0.10999	0.464935	-0.23657	0.812988
ENSG00000143674.11	125.7392751	-0.30667	0.451504	-0.67923	0.496993
ENSG00000124194.17	125.8070952	-0.91428	0.533607	-1.71339	0.086641
ENSG00000277462.2	125.8776898	-0.02551	0.445404	-0.05727	0.954332
ENSG00000178951.9	125.8799796	0.601265	0.445455	1.349779	0.177087
ENSG00000040199.18	125.899889	0.573492	0.454517	1.261763	0.207034
ENSG00000067365.15	125.9143722	0.045507	0.451915	0.100697	0.919791
ENSG00000272888.7	125.9536863	0.302147	0.498363	0.606279	0.54433
ENSG00000006740.17	125.9750702	-0.10101	0.45101	-0.22396	0.822791
ENSG00000155636.15	126.0004323	-0.24209	0.467845	-0.51745	0.604843
ENSG00000137872.17	126.0425396	-0.23737	0.51626	-0.45978	0.645675
ENSG00000260772.1	126.1366688	-0.49716	0.508715	-0.97729	0.328426
ENSG00000088387.19	126.1727505	0.161745	0.493128	0.327998	0.742913
ENSG00000143036.17	126.2226894	0.033427	0.46529	0.071842	0.942727
ENSG00000153094.24	126.2259883	-0.0041	0.511779	-0.008	0.993615
ENSG00000144724.20	126.2373521	0.124656	0.44953	0.277304	0.781547
ENSG00000183765.22	126.2591095	0.137624	0.490698	0.280466	0.77912
ENSG00000205084.11	126.2876917	-0.62447	0.465672	-1.34101	0.179918
ENSG00000102796.11	126.2997531	-1.33342	0.565288	-2.35884	0.018332
ENSG00000170191.5	126.3191816	-0.37918	0.502149	-0.75512	0.450177
ENSG00000283580.3	126.3298276	-0.23113	0.499461	-0.46276	0.643534

ENSG00000206418.4	126.3345158	0.249635	0.498942	0.500328	0.616844
ENSG00000088854.12	126.3975973	-0.36918	0.452303	-0.81622	0.414376
ENSG00000141448.11	126.40952	0.195651	0.449123	0.43563	0.663105
ENSG00000100084.14	126.4574836	0.309036	0.479019	0.645144	0.518834
ENSG00000224870.7	126.4901369	0.37094	0.446494	0.830782	0.406097
ENSG00000138411.13	126.5038331	0.397839	0.620672	0.640981	0.521535
ENSG00000125954.12	126.5038499	-1.73618	1.389265	-1.24971	0.211404
ENSG00000182253.15	126.5278856	0.32353	0.479001	0.675428	0.499404
ENSG00000184887.13	126.5495885	0.964152	0.494795	1.948589	0.051344
ENSG00000020181.18	126.5600761	0.026414	0.458273	0.057639	0.954036
ENSG00000160862.13	126.5624663	0.023354	0.495126	0.047167	0.96238
ENSG00000122912.15	126.6390822	0.18483	0.454331	0.406818	0.684142
ENSG00000172819.17	126.6603547	-0.1455	0.497119	-0.29269	0.769758
ENSG00000110063.10	126.6776756	-0.35486	0.448323	-0.79153	0.428637
ENSG00000128159.12	126.7959636	0.064536	0.474928	0.135885	0.891912
ENSG00000183682.8	126.8580319	-0.38081	0.545379	-0.69825	0.485022
ENSG00000058404.20	126.8667386	0.121421	0.482122	0.251848	0.801159
ENSG00000111877.17	126.8670021	-0.65289	0.474493	-1.37598	0.168827
ENSG00000107938.18	126.9265699	0.307779	0.4455	0.690861	0.489653
ENSG00000125454.12	126.9523209	-0.07485	0.474953	-0.15759	0.874784
ENSG00000283782.2	126.9606275	0.179772	0.590403	0.30449	0.760754
ENSG00000006555.11	126.9610752	0.157495	0.485025	0.324715	0.745396
ENSG00000196562.14	126.9891383	0.243517	0.503352	0.483791	0.628534
ENSG00000213516.10	127.0017271	-0.42491	0.458459	-0.92682	0.354018
ENSG00000226479.4	127.0117983	1.122826	0.495736	2.264969	0.023515
ENSG00000126106.14	127.1048814	-0.23159	0.541416	-0.42775	0.66883
ENSG00000070047.13	127.1110462	0.520624	0.471414	1.104389	0.269425
ENSG00000068489.13	127.1322912	0.390856	0.510525	0.765598	0.443916
ENSG00000283293.1	127.1489595	-5.64612	3.026001	-1.86587	0.06206
ENSG00000278621.1	127.1501054	-0.29192	0.481479	-0.6063	0.544315
ENSG00000269343.9	127.1953662	-0.03521	0.478846	-0.07353	0.94138
ENSG00000041880.14	127.2061307	-0.51469	0.516086	-0.9973	0.318618
ENSG00000115525.18	127.2563834	0.070117	0.44625	0.157126	0.875146
ENSG00000205670.12	127.2619227	0.653166	0.565856	1.154298	0.248378
ENSG00000187630.17	127.2751327	0.043428	0.441829	0.098291	0.921702
ENSG00000141447.18	127.3294198	0.105957	0.510009	0.207754	0.835421
ENSG00000107864.15	127.3653044	-0.34846	0.496717	-0.70153	0.48297
ENSG00000151617.17	127.449928	0.174233	0.478799	0.363896	0.715936
ENSG00000135338.14	127.4557085	-0.26129	0.464545	-0.56246	0.573805
ENSG00000154743.18	127.519513	0.263052	0.44703	0.588443	0.556235
ENSG00000198089.16	127.5845068	0.03955	0.448311	0.08822	0.929702
ENSG00000173451.7	127.6082306	0.19262	0.460572	0.41822	0.675787
ENSG00000162419.12	127.6690174	0.32432	0.445053	0.728722	0.466172
ENSG00000108506.12	127.7015666	0.009457	0.452258	0.02091	0.983317
ENSG00000196670.14	127.803319	0.09488	0.458928	0.206743	0.836211
ENSG00000135776.5	127.883547	0.116486	0.45507	0.255974	0.797971
ENSG00000106086.20	127.899951	0.387184	0.466844	0.829366	0.406898
ENSG00000249042.6	127.9342868	0.075785	0.442914	0.171107	0.86414
ENSG00000231770.6	128.0488749	0.174319	0.455477	0.382717	0.70193
ENSG00000091157.13	128.0923099	-0.56109	0.504999	-1.11108	0.266535
ENSG00000161265.15	128.1237014	-0.38919	0.508921	-0.76474	0.444427
ENSG00000013503.10	128.1472605	0.088383	0.462499	0.191098	0.848449

ENSG00000109762.16	128.1668545	-0.06071	0.461966	-0.13142	0.895446
ENSG00000183889.12	128.1773991	-0.32257	0.47943	-0.67281	0.501068
ENSG00000107338.10	128.2997017	0.46177	0.462085	0.99932	0.31764
ENSG00000066379.15	128.3091411	-0.28728	0.49907	-0.57563	0.564863
ENSG00000115935.17	128.3768019	0.124978	0.451511	0.2768	0.781933
ENSG00000137171.15	128.3920288	0.136501	0.479551	0.284644	0.775917
ENSG00000137198.10	128.4228703	-0.08116	0.550496	-0.14742	0.882799
ENSG00000268403.2	128.5210605	0.192988	0.562225	0.343257	0.731405
ENSG00000129595.14	128.5786472	-0.29777	0.459154	-0.64851	0.516654
ENSG00000196083.10	128.5889788	-0.7107	0.482859	-1.47186	0.141058
ENSG00000149380.12	128.6018968	-0.37163	0.45514	-0.81651	0.41421
ENSG00000251136.9	128.6125738	-0.32681	0.451161	-0.72438	0.468835
ENSG00000113734.18	128.7394674	-0.08613	0.469964	-0.18328	0.854579
ENSG00000064225.12	128.8091671	-0.12507	0.465348	-0.26878	0.788101
ENSG00000204859.13	128.8631252	0.223156	0.581304	0.383888	0.701061
ENSG00000124787.14	128.8856964	-0.50262	0.532629	-0.94365	0.345348
ENSG00000249115.9	128.9199908	-0.10079	0.494834	-0.20369	0.838596
ENSG00000142686.8	128.9234505	0.31091	0.520923	0.596843	0.550612
ENSG00000174839.13	128.9484481	-0.4979	0.445571	-1.11744	0.263805
ENSG00000176476.9	128.9566582	-0.32027	0.467436	-0.68517	0.493238
ENSG00000103174.13	129.0555218	-0.13473	0.457795	-0.29431	0.768521
ENSG00000131941.8	129.0584549	-0.15145	0.445467	-0.33998	0.733873
ENSG00000215908.10	129.0731777	0.234877	0.506849	0.463407	0.643073
ENSG00000244398.1	129.0829255	0.331509	0.520677	0.636689	0.524327
ENSG00000110011.13	129.1469064	-0.40656	0.446538	-0.91048	0.36257
ENSG00000166987.15	129.1565816	0.67561	0.5057	1.335989	0.181553
ENSG00000188452.14	129.1599761	-0.55571	0.513726	-1.08173	0.279373
ENSG00000185352.8	129.1965083	0.315946	0.49419	0.63932	0.522615
ENSG00000173404.5	129.2102946	0.721764	0.538829	1.339506	0.180406
ENSG00000118707.11	129.2470101	0.197247	0.453082	0.435345	0.663312
ENSG00000070190.13	129.2827074	-0.83804	0.465007	-1.8022	0.071513
ENSG00000215067.10	129.4700191	0.302084	0.498993	0.605387	0.544922
ENSG00000137501.17	129.4960025	0.12972	0.444126	0.292078	0.770227
ENSG00000076662.10	129.5282306	-0.60668	0.445171	-1.36281	0.172944
ENSG00000148343.18	129.537834	0.163039	0.442808	0.368194	0.712729
ENSG00000065989.16	129.5684596	0.327228	0.458763	0.713283	0.475671
ENSG00000136826.15	129.5775245	0.542326	0.589517	0.91995	0.357599
ENSG00000175066.16	129.5814709	-0.51598	0.566799	-0.91035	0.362639
ENSG00000228716.7	129.5863376	0.568593	0.456526	1.245477	0.212956
ENSG00000011021.23	129.5871896	-0.18143	0.442742	-0.4098	0.681956
ENSG00000137486.17	129.6196319	-0.03333	0.463042	-0.07197	0.942622
ENSG00000196104.11	129.6427235	-0.62266	0.477152	-1.30495	0.191911
ENSG00000245958.6	129.7176789	-0.153	0.442499	-0.34576	0.729524
ENSG00000188732.11	129.7265779	-0.47304	0.470648	-1.00509	0.314855
ENSG00000174799.11	129.7623341	-0.38988	0.448496	-0.86931	0.384678
ENSG00000198246.9	129.7636639	-0.6586	0.464912	-1.41662	0.156595
ENSG00000256683.7	129.8002353	0.27462	0.564972	0.486077	0.626913
ENSG00000128567.17	129.8112337	-0.36245	0.481204	-0.75322	0.45132
ENSG00000172171.11	129.8161466	-0.49478	0.46932	-1.05424	0.291773
ENSG00000137054.16	129.8183253	-0.0529	0.446644	-0.11843	0.905729
ENSG00000111271.15	129.8267891	-0.0763	0.444802	-0.17153	0.863804
ENSG00000171310.11	129.8465945	0.490199	0.562838	0.870941	0.383786

ENSG00000141428.17	129.8678136	-0.14262	0.452101	-0.31545	0.752417
ENSG00000165304.8	129.8680919	0.03656	0.54002	0.067702	0.946023
ENSG00000273344.1	129.8700898	0.11332	0.450276	0.251669	0.801297
ENSG00000135912.11	129.8852549	0.029387	0.50636	0.058035	0.953721
ENSG00000044446.12	129.8940232	0.6194	0.500781	1.236867	0.216136
ENSG00000165895.19	129.9134961	-0.13648	0.482728	-0.28273	0.777381
ENSG00000168301.13	130.0314748	-0.6333	0.481058	-1.31648	0.188013
ENSG00000110060.9	130.0825929	-0.0702	0.463207	-0.15156	0.879537
ENSG00000141052.18	130.0851064	1.022916	0.503113	2.033172	0.042035
ENSG00000183876.9	130.0955727	0.785688	0.508342	1.54559	0.122204
ENSG00000100968.14	130.0989466	1.220275	0.446148	2.735134	0.006235
ENSG00000167302.11	130.249825	-0.30154	0.474361	-0.63568	0.524984
ENSG00000261312.1	130.3222705	0.361622	0.441336	0.819379	0.41257
ENSG00000123119.12	130.3589185	-0.46268	0.450632	-1.02675	0.30454
ENSG00000144406.19	130.4388923	-0.05178	0.442208	-0.1171	0.906783
ENSG00000128513.16	130.4391678	-0.59239	0.445216	-1.33056	0.183333
ENSG00000173890.17	130.5202512	-0.15765	0.558143	-0.28246	0.777759
ENSG00000141642.9	130.5535035	-0.61337	0.540246	-1.13536	0.256226
ENSG00000116675.16	130.5723914	-0.61346	0.557969	-1.09945	0.271573
ENSG00000125434.11	130.5776929	-0.46623	0.464444	-1.00384	0.315456
ENSG00000132182.12	130.5882096	-0.1434	0.442237	-0.32427	0.745733
ENSG00000166405.15	130.6093097	-0.61763	0.472339	-1.3076	0.191008
ENSG00000168246.6	130.6478365	0.102882	0.441618	0.232965	0.815788
ENSG00000110497.14	130.7501443	0.333803	0.46668	0.715272	0.474441
ENSG00000188486.3	130.7725472	0.786951	0.512053	1.536853	0.124329
ENSG00000176788.9	130.8909664	1.227982	0.496827	2.471651	0.013449
ENSG00000138356.14	130.9021919	-0.04178	0.548492	-0.07617	0.939283
ENSG00000224531.6	130.9435822	0.305073	0.456031	0.668975	0.503511
ENSG00000007047.15	130.9525773	0.429589	0.440459	0.975321	0.329401
ENSG00000137494.14	131.0127238	-0.07161	0.446514	-0.16037	0.872592
ENSG00000128274.17	131.0293381	0.546616	0.446996	1.222866	0.22138
ENSG00000141564.15	131.0437024	0.39609	0.451524	0.877229	0.380362
ENSG00000236830.7	131.0510339	0.228071	0.452774	0.503719	0.614459
ENSG00000281453.1	131.0572957	0.240836	0.51557	0.467126	0.64041
ENSG00000100784.12	131.0836821	-0.7268	0.515168	-1.4108	0.158304
ENSG00000196458.11	131.1546678	-0.29343	0.444291	-0.66046	0.508961
ENSG00000119636.16	131.1823273	-0.27434	0.439847	-0.62372	0.532813
ENSG00000166348.18	131.2201852	-0.54935	0.478448	-1.14819	0.250891
ENSG00000152253.9	131.2374092	-0.5945	0.593074	-1.00241	0.316145
ENSG00000108309.14	131.2675463	0.314722	0.473386	0.664832	0.506158
ENSG00000198081.11	131.2793103	-0.64846	0.467044	-1.38843	0.165007
ENSG00000119403.15	131.3355126	0.770717	0.499997	1.541444	0.123209
ENSG00000174579.4	131.3446848	-0.22508	0.440647	-0.51079	0.609498
ENSG00000144837.9	131.3588282	-0.99479	0.51426	-1.93441	0.053063
ENSG00000137960.6	131.3985256	-0.3692	0.529516	-0.69724	0.485654
ENSG00000137871.20	131.4117368	0.196814	0.444123	0.443151	0.657657
ENSG00000007384.15	131.4416314	0.599324	0.514317	1.165282	0.243905
ENSG00000000971.16	131.4485317	0.061745	0.469475	0.13152	0.895364
ENSG00000153363.13	131.5031266	-0.14302	0.504484	-0.28349	0.776801
ENSG00000102763.18	131.5479865	0.430834	0.459492	0.937633	0.348433
ENSG00000072135.13	131.7802133	0.088501	0.457372	0.193498	0.846569
ENSG00000174456.15	131.7975591	0.251402	0.488087	0.515076	0.6065

ENSG00000184454.7	131.8000598	0.157478	0.480157	0.327972	0.742933
ENSG00000066279.18	131.8199411	1.028394	0.563683	1.824421	0.068088
ENSG00000282933.2	131.9066521	-0.58898	0.468423	-1.25737	0.20862
ENSG00000065665.21	131.9180393	-0.16702	0.446135	-0.37437	0.708127
ENSG00000284057.1	131.9329887	-1.4929	1.929009	-0.77392	0.438977
ENSG00000123607.15	131.9531235	-0.22003	0.442424	-0.49732	0.618964
ENSG00000167608.11	132.0444003	-0.459	0.461664	-0.99422	0.320116
ENSG00000164603.12	132.0678781	-0.78076	0.446487	-1.74867	0.080348
ENSG00000140987.20	132.0893493	-0.3573	0.438392	-0.81503	0.415056
ENSG00000269378.1	132.093817	0.116255	0.712697	0.16312	0.870424
ENSG00000178605.13	132.1201571	0.654236	0.4891	1.337632	0.181016
ENSG00000277161.2	132.1414558	0.012559	0.494114	0.025418	0.979722
ENSG00000185829.18	132.254716	0.381847	0.437001	0.873791	0.382232
ENSG00000162813.18	132.270056	0.135469	0.475314	0.28501	0.775637
ENSG00000156787.17	132.2945655	-0.57559	0.445588	-1.29175	0.196443
ENSG00000215440.12	132.409773	-0.29534	0.462846	-0.63809	0.523418
ENSG00000144120.13	132.414495	-0.72815	0.546053	-1.33349	0.182372
ENSG00000119862.13	132.4237173	-0.41259	0.442138	-0.93318	0.350728
ENSG00000157796.18	132.5008233	0.179357	0.519551	0.345216	0.729932
ENSG00000100116.17	132.5453729	-0.42062	0.448955	-0.93689	0.348817
ENSG00000147130.14	132.5536286	0.079546	0.486393	0.163543	0.870091
ENSG00000127995.17	132.5592341	-0.33454	0.45789	-0.73062	0.465014
ENSG00000116711.10	132.6499544	0.293743	0.629532	0.466606	0.640782
ENSG00000125945.15	132.6696888	-0.4218	0.440382	-0.9578	0.338163
ENSG00000117676.14	132.7506507	1.123056	0.455781	2.464027	0.013739
ENSG00000116396.15	132.7569058	0.899508	0.448305	2.006464	0.044807
ENSG00000168032.10	132.7754937	-0.6121	0.541305	-1.13079	0.258142
ENSG00000198131.14	132.9789997	-0.25865	0.440464	-0.58722	0.557054
ENSG00000100526.20	132.9821658	0.397948	0.516569	0.770368	0.441082
ENSG00000241127.8	132.9853714	-0.52707	0.473979	-1.11202	0.26613
ENSG00000143067.5	132.9930134	0.149586	0.44168	0.338675	0.734854
ENSG00000183718.5	133.0143571	0.409866	0.466452	0.87869	0.37957
ENSG00000251369.9	133.0262001	-0.06216	0.588754	-0.10558	0.915916
ENSG00000175352.11	133.063438	0.096325	0.451845	0.213181	0.831185
ENSG00000011052.21	133.1216784	-0.44678	0.466835	-0.95705	0.338544
ENSG00000205208.5	133.1294183	0.055422	0.472457	0.117306	0.906617
ENSG00000230606.11	133.1753272	0.119641	0.458972	0.260672	0.794346
ENSG00000072121.16	133.196072	0.039623	0.503343	0.07872	0.937255
ENSG00000183604.14	133.2423659	-0.70468	0.490516	-1.43661	0.150828
ENSG00000196150.13	133.2526819	-0.68408	0.468189	-1.46111	0.143985
ENSG00000182518.13	133.2883574	-0.2937	0.477886	-0.61458	0.53883
ENSG00000083290.20	133.3079947	0.079241	0.464919	0.170441	0.864664
ENSG00000105486.14	133.3443614	0.284808	0.452323	0.629656	0.52892
ENSG00000182195.9	133.4035502	-0.11891	0.468241	-0.25396	0.799528
ENSG00000158089.15	133.4133991	-0.01687	0.456784	-0.03693	0.970539
ENSG00000240857.2	133.4277547	0.324619	0.477103	0.680397	0.496253
ENSG00000185800.12	133.5371111	0.829755	0.435645	1.904658	0.056825
ENSG00000165259.14	133.5373604	-0.53478	0.460751	-1.16067	0.245777
ENSG00000171574.18	133.5646244	-0.2056	0.435022	-0.47263	0.636477
ENSG00000171621.14	133.5752556	0.559074	0.455769	1.226663	0.219949
ENSG00000140406.4	133.5857492	0.227482	0.449074	0.506557	0.612465
ENSG00000072518.20	133.6491941	0.515674	0.448808	1.148984	0.250563

ENSG00000171124.13	133.6674921	0.26181	0.477572	0.548209	0.583548
ENSG00000203666.12	133.6757873	-0.29018	0.442418	-0.6559	0.51189
ENSG00000154359.13	133.7046648	-0.28582	0.453992	-0.62957	0.528977
ENSG00000174080.11	133.748513	-0.06349	0.485092	-0.13087	0.895875
ENSG00000163932.15	133.7928937	-0.22956	0.444046	-0.51697	0.605179
ENSG00000106633.17	133.7998005	-0.15044	0.446891	-0.33664	0.736389
ENSG00000186416.17	133.8683568	0.29713	0.44609	0.666078	0.505361
ENSG00000164118.13	133.8911012	-0.81246	0.447086	-1.81723	0.069182
ENSG00000141837.21	133.8973846	1.438624	0.46683	3.081687	0.002058
ENSG00000197841.15	133.9103288	-0.7121	0.470712	-1.51281	0.130327
ENSG00000130956.14	133.9356916	0.214998	0.47355	0.454014	0.649819
ENSG00000102078.16	133.9449678	-0.31936	0.467161	-0.68361	0.494222
ENSG00000170270.5	133.9637901	0.139627	0.509273	0.27417	0.783954
ENSG00000009950.16	133.9647245	0.27161	0.475934	0.570688	0.568211
ENSG00000054965.10	133.9778245	0.117706	0.435995	0.269971	0.787183
ENSG00000245910.8	134.0102681	0.460779	0.522112	0.88253	0.377491
ENSG00000272173.1	134.0134994	-0.18052	0.435776	-0.41426	0.678686
ENSG00000128881.17	134.0479711	-0.25404	0.462182	-0.54966	0.582553
ENSG00000225746.13	134.0696673	0.488395	0.472616	1.033386	0.301423
ENSG00000184178.16	134.0821968	-0.21556	0.45278	-0.47607	0.634022
ENSG00000182504.11	134.0918772	-0.56345	0.440556	-1.27896	0.200911
ENSG00000137103.20	134.1429365	-0.20779	0.456342	-0.45534	0.648866
ENSG00000136870.10	134.1651403	-0.27622	0.460548	-0.59976	0.548667
ENSG00000000457.14	134.1826137	-0.513	0.453874	-1.13026	0.258365
ENSG00000155629.15	134.3100555	0.1705	0.442721	0.385119	0.700149
ENSG00000125520.14	134.345026	0.861505	0.475117	1.813246	0.069794
ENSG00000144785.8	134.3473494	-0.88557	0.464674	-1.90579	0.056678
ENSG00000204160.12	134.3812129	0.200992	0.434104	0.463005	0.643361
ENSG00000111206.13	134.3908819	0.347254	0.451978	0.7683	0.442309
ENSG00000178904.19	134.4081574	-0.17275	0.513788	-0.33623	0.736695
ENSG00000143891.17	134.4655234	-0.31631	0.456598	-0.69275	0.488466
ENSG00000100575.14	134.5606803	-0.30781	0.498591	-0.61736	0.536998
ENSG00000173011.12	134.6037677	0.283448	0.490473	0.577908	0.563326
ENSG00000258644.6	134.6096029	-0.6402	0.452232	-1.41565	0.156879
ENSG00000180730.5	134.7050857	-0.77428	0.591629	-1.30872	0.19063
ENSG00000170089.15	134.7581193	-0.28012	0.440765	-0.63554	0.525078
ENSG00000131037.15	134.7609163	1.411921	0.474866	2.973303	0.002946
ENSG00000147889.17	134.7894618	0.177711	0.499255	0.355953	0.721876
ENSG00000158516.12	134.8284986	0.233902	0.523257	0.447012	0.654866
ENSG00000256040.2	134.844855	0.207748	0.44905	0.462638	0.643624
ENSG00000165288.11	134.9577078	-0.45752	0.45106	-1.01432	0.31043
ENSG00000010310.9	134.9657304	-0.14459	0.461162	-0.31353	0.753879
ENSG00000178826.11	135.0362659	-0.80564	0.531236	-1.51653	0.129385
ENSG00000167333.13	135.0738557	-0.4302	0.460161	-0.93489	0.349843
ENSG00000173535.15	135.079043	-0.50194	0.464565	-1.08046	0.279937
ENSG00000161048.11	135.0799444	-0.19156	0.457653	-0.41858	0.675524
ENSG00000126953.8	135.0923929	0.335702	0.445334	0.75382	0.450957
ENSG00000186714.12	135.1043705	0.162599	0.451857	0.359846	0.718962
ENSG00000174775.17	135.1419858	0.795716	0.521815	1.5249	0.127284
ENSG00000263072.8	135.2093469	0.348177	0.446857	0.779169	0.43588
ENSG00000120832.10	135.2122158	-0.63398	0.464624	-1.3645	0.172412
ENSG00000254093.9	135.2221763	-0.18514	0.444468	-0.41654	0.677013

ENSG00000119927.14	135.2243871	0.420224	0.464206	0.905255	0.36533
ENSG00000171914.16	135.3486049	0.780968	0.472489	1.652879	0.098355
ENSG00000166133.18	135.4169712	0.179502	0.443917	0.404358	0.685949
ENSG00000135587.9	135.4908644	-0.14254	0.472355	-0.30177	0.762828
ENSG00000103254.10	135.499306	0.801118	0.444364	1.80284	0.071413
ENSG00000167920.10	135.503295	-0.04939	0.448532	-0.11012	0.912313
ENSG00000164066.13	135.5095882	0.600023	0.433705	1.383482	0.166517
ENSG00000100154.14	135.5229358	0.562347	0.478768	1.174572	0.240166
ENSG00000026652.15	135.6373617	-0.54853	0.499936	-1.09719	0.272558
ENSG00000108557.19	135.641849	-0.12774	0.475027	-0.26891	0.788001
ENSG00000198542.14	135.692451	0.517337	0.471516	1.097177	0.272564
ENSG00000104728.16	135.762396	0.212832	0.435166	0.489084	0.624782
ENSG00000083535.16	135.7876199	-0.47895	0.441911	-1.08381	0.278449
ENSG00000126091.21	135.9420886	-0.11373	0.451632	-0.25181	0.801187
ENSG00000264364.3	135.9984762	1.068366	0.469278	2.276619	0.022809
ENSG00000125741.5	136.0478042	-0.22034	0.446266	-0.49373	0.621495
ENSG00000159208.16	136.080922	-1.1413	0.472127	-2.41737	0.015633
ENSG00000138678.11	136.1123807	-0.73235	0.473277	-1.5474	0.121767
ENSG00000037042.9	136.1751589	-0.57566	0.454175	-1.26749	0.204979
ENSG00000183018.9	136.2074234	-0.02016	0.516249	-0.03905	0.968852
ENSG00000160716.6	136.2450484	0.369128	0.506723	0.728462	0.466331
ENSG00000148483.9	136.2690584	0.326965	0.440699	0.741923	0.458134
ENSG00000123146.20	136.3214606	0.664425	0.455565	1.458462	0.144713
ENSG00000130449.6	136.3600741	0.065364	0.436093	0.149885	0.880856
ENSG00000116833.14	136.3784259	0.177866	0.557661	0.318949	0.749765
ENSG00000198932.13	136.4356393	0.019854	0.482561	0.041143	0.967182
ENSG00000213015.9	136.5261871	0.873642	0.54758	1.59546	0.110609
ENSG00000264058.2	136.577313	-0.67609	0.524883	-1.28808	0.197718
ENSG00000138190.17	136.6125712	-0.35587	0.455221	-0.78174	0.434367
ENSG00000156504.16	136.6623272	-0.10987	0.436216	-0.25187	0.80114
ENSG00000196739.15	136.6692151	0.953797	0.454668	2.097791	0.035924
ENSG00000111653.20	136.6851485	-0.14042	0.452283	-0.31048	0.756199
ENSG00000106610.15	136.7468026	-0.40308	0.451328	-0.8931	0.371805
ENSG00000187049.10	136.8865115	-0.80515	0.470221	-1.71228	0.086846
ENSG00000156869.14	136.8987917	0.247584	0.508665	0.486734	0.626447
ENSG00000101210.13	136.9056843	-0.11154	0.457032	-0.24405	0.807191
ENSG00000164039.15	136.9215167	-0.21722	0.443231	-0.49008	0.624076
ENSG00000152133.16	136.9763417	-0.18035	0.488426	-0.36926	0.711938
ENSG00000184584.13	137.0705045	-0.97184	0.45677	-2.12764	0.033367
ENSG00000119138.4	137.0804562	0.028749	0.451996	0.063605	0.949284
ENSG00000103227.19	137.0933541	-0.32601	0.447351	-0.72876	0.466146
ENSG00000131069.20	137.1429787	-0.03388	0.447693	-0.07568	0.93967
ENSG00000100814.18	137.1499438	0.162328	0.525874	0.308683	0.757563
ENSG00000040933.16	137.1997877	0.384692	0.467452	0.822955	0.410533
ENSG00000138780.15	137.2033225	0.216311	0.450312	0.480359	0.630972
ENSG00000172493.21	137.2047896	-0.38553	0.506879	-0.76059	0.446903
ENSG00000173917.10	137.3206704	-0.18225	0.559211	-0.32591	0.74449
ENSG00000147488.11	137.3302826	0.632525	0.445441	1.419995	0.155609
ENSG00000271380.1	137.3692135	0.398442	0.453142	0.879286	0.379246
ENSG00000197905.9	137.410205	-0.29995	0.436462	-0.68722	0.491944
ENSG00000104447.13	137.4672434	0.043944	0.45024	0.0976	0.92225
ENSG00000133477.17	137.5240456	0.595414	0.447465	1.330639	0.183308

ENSG00000156463.18	137.5448698	0.109809	0.458229	0.239637	0.810612
ENSG00000132437.18	137.5774658	0.161154	0.487722	0.330422	0.741081
ENSG00000011523.14	137.585193	-0.40914	0.482673	-0.84766	0.396625
ENSG00000172803.18	137.6097789	-0.19398	0.444544	-0.43636	0.662575
ENSG00000224407.1	137.6238691	-0.05704	0.477461	-0.11946	0.904909
ENSG00000170175.11	137.6966256	0.053778	0.470765	0.114235	0.909052
ENSG00000243232.6	137.7373307	-1.24585	0.555072	-2.24449	0.024801
ENSG00000146834.14	137.8260978	0.083152	0.442631	0.187858	0.850988
ENSG00000137413.16	137.883558	-0.17771	0.444219	-0.40006	0.689111
ENSG00000138468.16	137.9026409	0.208976	0.470721	0.44395	0.657079
ENSG00000163517.15	137.9149242	-0.08947	0.457627	-0.19551	0.844994
ENSG00000079257.8	137.9383165	-0.14435	0.442482	-0.32622	0.744259
ENSG00000136717.15	137.9827397	-0.09862	0.448236	-0.22001	0.825864
ENSG00000152254.11	138.1495203	-0.78359	1.37244	-0.57095	0.568034
ENSG00000159164.10	138.1972522	0.397675	0.526454	0.755385	0.450018
ENSG00000287151.1	138.2203641	-0.42514	0.44257	-0.96061	0.336747
ENSG00000164654.16	138.2231659	0.309623	0.444394	0.696731	0.485971
ENSG00000155085.15	138.2936976	-0.42245	0.454275	-0.92995	0.352397
ENSG00000196943.14	138.2972782	0.596133	0.448821	1.328221	0.184105
ENSG00000141404.16	138.3591398	-0.43935	0.478501	-0.91818	0.358523
ENSG00000179304.16	138.383461	0.250747	0.593251	0.422665	0.67254
ENSG00000109881.17	138.383932	0.175802	0.44553	0.394592	0.693144
ENSG00000103091.15	138.4346846	0.414005	0.438607	0.943909	0.345216
ENSG00000120696.9	138.4623936	-0.30223	0.450563	-0.67078	0.502359
ENSG00000135823.14	138.5354629	0.22776	0.436127	0.522234	0.601507
ENSG00000115459.18	138.5624374	-0.66157	0.433043	-1.52773	0.12658
ENSG00000186130.5	138.6187552	-0.20043	0.439882	-0.45565	0.648639
ENSG00000156232.7	138.6580207	0.867988	0.467208	1.857819	0.063195
ENSG00000143373.18	138.6774527	0.23743	0.462258	0.513632	0.607509
ENSG00000177728.17	138.6780691	-0.0492	0.469281	-0.10485	0.916495
ENSG00000049167.15	138.7243923	-0.32335	0.433434	-0.74602	0.455654
ENSG00000214274.10	138.7410166	0.04188	0.458395	0.091361	0.927206
ENSG00000180525.13	138.8233657	0.031858	0.436163	0.073042	0.941773
ENSG00000006704.10	138.8293843	0.220171	0.470041	0.468409	0.639492
ENSG00000150054.18	138.8574681	-0.19923	0.47858	-0.4163	0.67719
ENSG00000196422.11	138.8616161	0.391912	0.478126	0.819683	0.412397
ENSG00000168806.8	138.8956641	-0.3079	0.531163	-0.57967	0.562138
ENSG00000142794.18	138.8972806	-0.48581	0.451394	-1.07625	0.281814
ENSG00000138778.13	138.9381849	1.218846	0.513901	2.371752	0.017704
ENSG00000086544.3	139.0286932	-0.07656	0.443383	-0.17268	0.862905
ENSG00000137842.7	139.0672344	-0.17393	0.43396	-0.4008	0.688565
ENSG00000174807.4	139.0870958	0.414038	0.546945	0.757001	0.449049
ENSG00000162769.13	139.1230381	-0.19365	0.483868	-0.40021	0.689002
ENSG00000101670.12	139.1314072	-0.09449	0.48891	-0.19327	0.846747
ENSG00000106330.12	139.2545469	-0.14539	0.526137	-0.27634	0.782287
ENSG00000137992.14	139.3554819	0.189189	0.443414	0.426664	0.669624
ENSG00000076650.7	139.3810388	-0.37468	0.442811	-0.84614	0.397473
ENSG00000177663.14	139.3911719	0.030886	0.52922	0.058362	0.95346
ENSG00000113368.12	139.4159925	0.347893	0.488989	0.711454	0.476803
ENSG00000132698.15	139.4358726	-0.09962	0.452397	-0.2202	0.825715
ENSG00000169297.8	139.4778903	-1.09723	0.609074	-1.80148	0.071627
ENSG00000132196.15	139.5268392	-0.6039	0.434627	-1.38946	0.164694

ENSG00000163249.13	139.5480509	-0.22215	0.436947	-0.50841	0.611163
ENSG00000263272.1	139.5680424	0.183795	0.450196	0.408256	0.683086
ENSG00000143224.18	139.5811182	-0.2338	0.435989	-0.53626	0.591779
ENSG00000225173.1	139.6974963	5.478083	0.893939	6.12803	8.90E-10
ENSG00000151692.15	139.7100162	-0.8271	0.449692	-1.83927	0.065876
ENSG00000197860.10	139.7642718	-0.72775	0.495087	-1.46995	0.141575
ENSG00000184056.15	139.8258609	0.8198	0.445831	1.838812	0.065943
ENSG00000020256.20	139.9134533	-0.47187	0.437091	-1.07957	0.280335
ENSG00000115282.21	139.9550862	-0.00687	0.446436	-0.01539	0.987725
ENSG00000181104.7	139.9675912	0.276273	0.491236	0.562403	0.573841
ENSG00000263956.6	139.9806475	-0.43343	0.488804	-0.88672	0.375227
ENSG00000196652.12	139.9979421	-0.07581	0.465171	-0.16296	0.870546
ENSG00000153140.9	140.1376292	-0.45828	0.452822	-1.01205	0.311515
ENSG00000130158.14	140.1476931	0.497297	0.548391	0.906829	0.364497
ENSG00000116353.16	140.1834957	-0.58785	0.469224	-1.25281	0.210276
ENSG00000135951.16	140.2177091	-0.51374	0.447027	-1.14925	0.250454
ENSG00000119689.15	140.2222485	-0.11456	0.434078	-0.26393	0.791837
ENSG00000179041.4	140.3447036	0.09972	0.475998	0.209498	0.83406
ENSG00000130021.15	140.344799	-0.44902	0.467086	-0.96133	0.336385
ENSG00000134690.11	140.3602324	0.337062	0.53982	0.624398	0.532366
ENSG00000168785.8	140.3641132	0.055969	0.495786	0.112889	0.910119
ENSG00000132906.18	140.4238651	-0.38553	0.434529	-0.88723	0.374955
ENSG00000276168.1	140.4921205	1.376346	0.636713	2.161643	0.030646
ENSG00000103168.16	140.4945151	0.03832	0.440396	0.087012	0.930662
ENSG00000186448.15	140.5047269	-0.13713	0.461264	-0.2973	0.766238
ENSG00000164494.12	140.6320011	-0.27305	0.438567	-0.62259	0.533551
ENSG00000249592.6	140.6565165	-0.01315	0.428503	-0.03069	0.975516
ENSG00000111679.17	140.6588636	0.509576	0.473249	1.076761	0.281587
ENSG00000101935.10	140.6743274	0.039076	0.43375	0.09009	0.928216
ENSG00000148985.20	140.7008082	-0.21862	0.468396	-0.46673	0.640691
ENSG00000111850.11	140.7102066	0.153598	0.457481	0.335747	0.737061
ENSG00000197062.11	140.7566137	-0.39753	0.450773	-0.88189	0.377837
ENSG00000159259.8	140.7616341	0.169565	0.477443	0.355152	0.722475
ENSG00000198046.12	140.767501	-0.51051	0.614697	-0.83051	0.40625
ENSG00000275464.5	140.7892131	0.190613	0.441649	0.431593	0.666037
ENSG00000100425.18	140.8366658	0.174977	0.435018	0.402228	0.687516
ENSG00000281991.2	140.8426996	-0.44943	0.500272	-0.89836	0.368991
ENSG00000198521.12	140.914126	-0.25358	0.446328	-0.56815	0.569934
ENSG00000182134.16	140.9226545	-0.4604	0.458658	-1.0038	0.315477
ENSG00000165689.17	140.9412998	0.5203	0.463853	1.121692	0.261994
ENSG00000174428.18	140.9533778	0.829485	0.562655	1.474234	0.140418
ENSG00000196417.13	140.9602242	-0.15074	0.440364	-0.34231	0.732117
ENSG00000026950.17	141.001008	-0.1144	0.467146	-0.2449	0.806534
ENSG00000132481.7	141.0172579	0.024663	0.435247	0.056664	0.954812
ENSG00000186162.10	141.1088426	-0.05528	0.431394	-0.12814	0.898036
ENSG00000066117.15	141.1261999	0.198578	0.430357	0.461427	0.644492
ENSG00000162396.6	141.2363056	-0.35116	0.44028	-0.79757	0.425118
ENSG00000108590.11	141.2638107	-0.04803	0.436051	-0.11016	0.912285
ENSG00000137216.19	141.2816134	0.365738	0.496228	0.737035	0.461101
ENSG00000168395.16	141.3434651	0.123143	0.429033	0.287025	0.774093
ENSG00000203993.6	141.3506001	0.268992	0.429632	0.626099	0.53125
ENSG00000135414.10	141.3610759	0.169206	0.434817	0.389144	0.69717

ENSG00000218739.10	141.3724861	0.113498	0.500934	0.226574	0.820755
ENSG00000164169.13	141.4869017	-0.58179	0.526733	-1.10453	0.269364
ENSG00000186665.9	141.490894	-0.43353	0.448663	-0.96626	0.333912
ENSG00000280571.2	141.5043857	0.783389	0.522576	1.499092	0.13385
ENSG00000105137.13	141.5314065	0.682704	0.44026	1.550685	0.120977
ENSG00000170745.12	141.551055	-0.8385	0.472758	-1.77363	0.076124
ENSG00000122507.21	141.570838	-0.62072	0.446236	-1.39101	0.164222
ENSG00000172023.8	141.6422412	0.408248	0.561089	0.727598	0.466859
ENSG00000196705.8	141.6783897	-0.47288	0.520513	-0.90848	0.363623
ENSG00000158560.14	141.8026725	-0.00213	0.443159	-0.00481	0.996159
ENSG00000286670.1	141.8851263	-0.07021	0.430877	-0.16294	0.870567
ENSG00000108773.11	141.8858199	0.564778	0.441291	1.279831	0.200605
ENSG00000204084.13	141.9054268	-0.16583	0.454434	-0.36492	0.715173
ENSG00000006194.10	141.9127504	0.392988	0.451433	0.870533	0.384009
ENSG00000272916.5	141.9245775	0.525968	0.436592	1.204713	0.228314
ENSG00000264575.1	141.9329324	0.192527	0.479407	0.401595	0.687982
ENSG00000086696.11	141.9498197	0.523599	0.567547	0.922566	0.356234
ENSG00000223705.9	141.9631274	0.349754	0.468235	0.746962	0.455086
ENSG00000278540.5	142.0331707	0.514636	0.428494	1.201034	0.229738
ENSG00000264443.1	142.0432394	-0.16835	1.421815	-0.1184	0.905749
ENSG00000101464.11	142.0737498	-0.54516	0.491139	-1.11	0.267001
ENSG00000147003.7	142.08717	-0.25977	0.442859	-0.58657	0.557492
ENSG00000176945.17	142.1221824	-0.09389	0.460457	-0.2039	0.838428
ENSG00000106351.13	142.155212	0.510105	0.466448	1.093595	0.274133
ENSG00000157600.12	142.1741418	-0.1803	0.438866	-0.41084	0.68119
ENSG00000112679.14	142.1833624	0.330195	0.429715	0.768406	0.442246
ENSG00000259642.2	142.2090545	0.48482	0.43896	1.104475	0.269387
ENSG00000153487.13	142.2258011	0.358438	0.509099	0.704064	0.481393
ENSG00000165105.10	142.3024172	0.50441	0.517809	0.974124	0.329995
ENSG00000150756.14	142.3337276	-0.08598	0.436813	-0.19684	0.843955
ENSG00000101974.14	142.3480571	0.480573	0.44967	1.068722	0.285195
ENSG00000261460.1	142.4384126	-0.13178	0.428281	-0.3077	0.758311
ENSG00000102780.17	142.4403007	0.057067	0.438057	0.130272	0.896351
ENSG00000089682.16	142.4863286	-0.75437	0.474177	-1.5909	0.111633
ENSG00000163877.11	142.5136899	0.271321	0.487168	0.556934	0.577572
ENSG00000160584.16	142.5427673	0.476417	0.478623	0.995391	0.319546
ENSG00000126814.7	142.5437615	-1.11226	0.439536	-2.53052	0.011389
ENSG00000155621.15	142.5447794	0.083586	0.429955	0.194406	0.845858
ENSG00000105755.8	142.5529274	-0.18219	0.440119	-0.41396	0.678906
ENSG00000010438.16	142.5758423	0.423141	0.441702	0.957979	0.338073
ENSG00000058056.9	142.5968693	-0.04341	0.445275	-0.09749	0.922335
ENSG00000196981.4	142.6243418	-0.28924	0.431422	-0.67044	0.502576
ENSG00000140254.12	142.6304465	-0.86929	0.490269	-1.7731	0.076213
ENSG00000141258.13	142.6384609	-0.07135	0.479033	-0.14894	0.881604
ENSG00000185085.2	142.6424027	-0.12913	0.584599	-0.22089	0.825178
ENSG00000261326.4	142.6426343	-0.72014	0.481782	-1.49474	0.134981
ENSG00000138641.18	142.6628046	-0.53764	0.453191	-1.18634	0.23549
ENSG00000184232.9	142.6826328	0.757992	0.465142	1.629593	0.103188
ENSG00000139971.15	142.8012654	0.384041	0.449709	0.853978	0.393117
ENSG00000266036.1	142.8484105	-0.85316	0.482277	-1.76902	0.076891
ENSG00000214029.5	142.8792068	0.115751	0.465037	0.248907	0.803433
ENSG00000162374.18	142.9016587	-1.06062	0.468863	-2.26212	0.02369

ENSG00000183426.17	143.0223649	-0.09768	0.441824	-0.22109	0.825022
ENSG00000215039.7	143.040864	-0.16496	0.458715	-0.35961	0.719141
ENSG00000087884.14	143.0735787	-0.13279	0.444768	-0.29856	0.765273
ENSG00000205413.8	143.1643352	0.011767	0.455243	0.025848	0.979379
ENSG00000162600.12	143.2550854	-0.3626	0.469087	-0.77299	0.43953
ENSG00000231607.12	143.3051296	0.584642	0.434656	1.34507	0.178602
ENSG00000176641.11	143.3198779	0.381292	0.441614	0.863406	0.387914
ENSG00000138646.9	143.3369521	0.120488	0.459437	0.262251	0.793128
ENSG00000198743.7	143.4806394	0.358285	0.42668	0.839705	0.401074
ENSG00000005001.10	143.4861757	-0.52512	0.456497	-1.15033	0.250009
ENSG00000143502.15	143.5089209	-0.54715	0.505674	-1.08203	0.27924
ENSG00000229036.7	143.5266012	-0.29429	0.449231	-0.65509	0.512408
ENSG00000079432.7	143.5336805	0.262774	0.435307	0.603651	0.546076
ENSG00000188092.15	143.538111	-0.31984	0.534767	-0.5981	0.549774
ENSG00000043514.17	143.5474145	-0.6574	0.463418	-1.41859	0.156017
ENSG00000130193.8	143.5982249	-0.26567	0.582579	-0.45603	0.64837
ENSG00000183513.9	143.6404727	0.292325	0.429224	0.681053	0.495838
ENSG00000272779.1	143.6745115	-0.39561	0.427051	-0.92638	0.354248
ENSG00000264558.1	143.7095554	0.829553	0.449687	1.844736	0.065076
ENSG00000143476.18	143.7450911	0.754686	0.531161	1.420823	0.155368
ENSG00000166263.13	143.751018	0.67439	0.53712	1.255566	0.209273
ENSG00000206149.10	143.7961556	-0.1663	0.428779	-0.38786	0.698123
ENSG00000280433.1	143.8335196	0.319456	0.450459	0.709178	0.478214
ENSG00000100170.10	143.9396139	-0.95169	0.537867	-1.76938	0.07683
ENSG00000185437.13	143.9859647	-0.23361	0.595105	-0.39255	0.694651
ENSG00000175602.4	143.9948425	1.289088	0.511353	2.520935	0.011704
ENSG00000160226.16	144.0013125	-0.06336	0.451698	-0.14027	0.888448
ENSG00000237649.8	144.1776693	0.770042	0.469726	1.639343	0.101142
ENSG00000163155.12	144.1986201	0.298058	0.59652	0.499661	0.617314
ENSG00000279170.3	144.2634829	-0.23663	0.475941	-0.49718	0.619064
ENSG00000177427.13	144.2840635	-0.62364	0.441348	-1.41304	0.157645
ENSG00000237651.6	144.3275487	-0.45879	0.457161	-1.00356	0.315593
ENSG00000139131.13	144.3418336	0.03784	0.522556	0.072414	0.942273
ENSG00000186187.12	144.3670147	0.492133	0.472488	1.041579	0.297607
ENSG00000159445.13	144.3918427	-0.33798	0.436087	-0.77502	0.438325
ENSG00000177614.11	144.4290663	-0.49949	0.436783	-1.14357	0.252802
ENSG00000091651.9	144.4420309	0.901836	0.470486	1.916819	0.055261
ENSG00000165480.16	144.4668124	-0.16612	0.520265	-0.31931	0.749495
ENSG00000013619.14	144.45818	0.132126	0.434758	0.303907	0.761199
ENSG00000168758.11	144.5925335	0.344007	0.462031	0.744553	0.456542
ENSG00000160606.11	144.6744099	-0.85862	0.456534	-1.88075	0.060006
ENSG00000197302.10	144.6961956	-0.65074	0.440855	-1.47609	0.139919
ENSG00000108604.16	144.7154144	0.547989	0.428076	1.280121	0.200502
ENSG00000102996.5	144.757615	0.585657	0.438048	1.336971	0.181232
ENSG00000060656.20	144.7706868	-0.02195	0.440207	-0.04987	0.96023
ENSG00000182472.9	144.7792743	1.279379	0.467646	2.735783	0.006223
ENSG00000245904.4	144.784898	-0.00759	0.433942	-0.01749	0.986046
ENSG00000231312.7	144.7858601	0.133872	0.435332	0.307517	0.75845
ENSG00000240303.8	144.7960906	-0.14974	0.430553	-0.34779	0.727999
ENSG00000169760.17	144.850506	-0.61806	0.539074	-1.14651	0.251582
ENSG00000187240.16	144.8701317	-0.2841	0.478343	-0.59393	0.552562
ENSG00000130558.20	144.8882329	-0.14562	0.442546	-0.32905	0.74212

ENSG00000107882.12	144.9285083	-0.31495	0.468265	-0.67259	0.501207
ENSG00000080493.17	144.9299086	1.317162	0.470231	2.801098	0.005093
ENSG00000163661.4	144.9312167	0.13518	0.505414	0.267463	0.789113
ENSG00000184500.16	144.93707	-0.83468	0.59075	-1.41292	0.157678
ENSG00000198783.6	144.958739	0.287956	0.478235	0.602124	0.547092
ENSG00000175414.7	144.9756012	0.084795	0.480462	0.176487	0.859911
ENSG00000126458.4	145.0980402	0.36042	0.447114	0.806103	0.420184
ENSG00000248905.10	145.1055439	-0.65394	0.452287	-1.44584	0.148222
ENSG00000095932.7	145.1537439	-0.41086	0.428589	-0.95865	0.337738
ENSG00000133678.14	145.2883802	-0.56564	0.45233	-1.25051	0.211115
ENSG00000145996.11	145.3508088	0.209501	0.42853	0.488883	0.624925
ENSG00000243335.9	145.3650936	-0.19121	0.434129	-0.44044	0.659615
ENSG00000083750.13	145.3713798	-0.75115	0.470155	-1.59766	0.110119
ENSG00000187266.14	145.4186164	-1.01342	0.465429	-2.1774	0.029451
ENSG00000178537.10	145.4382684	-0.03548	0.546069	-0.06498	0.948191
ENSG00000112874.10	145.4438801	-0.65003	0.435916	-1.49118	0.135915
ENSG00000147813.16	145.4742425	0.459306	0.44055	1.042574	0.297146
ENSG00000048028.11	145.4773602	0.016134	0.48752	0.033094	0.973599
ENSG00000134716.11	145.5043224	-0.52605	0.527278	-0.99767	0.318442
ENSG00000267575.7	145.5283232	0.504052	0.42978	1.172813	0.240871
ENSG00000228649.9	145.5668857	0.952298	0.532244	1.789214	0.07358
ENSG00000119599.17	145.5686409	-0.60594	0.454189	-1.33411	0.182169
ENSG00000240344.9	145.5898363	-0.21852	0.430054	-0.50812	0.61137
ENSG00000114026.21	145.6122968	-0.21589	0.469437	-0.45988	0.645601
ENSG00000232838.4	145.6164071	0.291052	0.468085	0.621794	0.534078
ENSG00000107140.16	145.6441546	0.389208	0.444504	0.8756	0.381247
ENSG00000257390.5	145.6553985	0.09229	0.470015	0.196355	0.844332
ENSG00000167840.13	145.6963335	-0.50383	0.428372	-1.17616	0.239533
ENSG00000150995.19	145.742482	0.64115	0.473632	1.353687	0.175836
ENSG00000155729.13	145.8139901	-0.31435	0.442739	-0.71001	0.477695
ENSG00000139517.9	145.8683909	-0.3837	0.437583	-0.87687	0.380556
ENSG00000110090.13	145.8724018	0.453218	0.429484	1.055262	0.291305
ENSG00000204856.12	145.8841285	-0.06279	0.425441	-0.14759	0.882668
ENSG00000154240.17	145.9049716	-0.27235	0.488852	-0.55713	0.577441
ENSG00000189190.10	145.9327594	-0.05705	0.431539	-0.13221	0.894818
ENSG00000159399.10	145.9507415	-0.44034	0.449418	-0.97981	0.327181
ENSG00000269190.6	145.9554263	-0.15568	0.430891	-0.3613	0.717875
ENSG00000171723.16	145.970636	-0.46081	0.494628	-0.93163	0.351526
ENSG00000197818.12	146.0887133	0.446878	0.434839	1.027684	0.304099
ENSG00000187244.12	146.1266365	0.115934	0.454928	0.254841	0.798846
ENSG00000197056.11	146.1409601	0.180553	0.441263	0.409174	0.682412
ENSG00000258388.7	146.2094779	0.29859	0.449165	0.664766	0.5062
ENSG00000171724.3	146.2319964	-0.38761	0.457696	-0.84687	0.397068
ENSG00000204634.12	146.2752845	-0.20639	0.454861	-0.45373	0.650022
ENSG00000197937.13	146.3005454	0.276376	0.567871	0.486688	0.62648
ENSG00000178685.14	146.3346396	0.444675	0.438793	1.013404	0.310867
ENSG00000096968.14	146.4400173	0.071114	0.433346	0.164105	0.869649
ENSG00000136878.14	146.4636434	0.179733	0.446903	0.402176	0.687555
ENSG00000178966.17	146.4949497	-0.39383	0.441619	-0.89179	0.372504
ENSG00000181392.17	146.5532035	-0.56148	0.468282	-1.19903	0.230517
ENSG00000197019.5	146.6435166	-0.32555	0.484327	-0.67217	0.501476
ENSG00000151470.13	146.6483976	-0.87784	0.503992	-1.74178	0.081547

ENSG00000040731.10	146.7421454	-0.99116	0.485653	-2.04089	0.041262
ENSG00000248049.7	146.7803334	-0.33192	0.486691	-0.68199	0.495242
ENSG00000139998.16	146.8247951	0.299513	0.45288	0.661354	0.508386
ENSG00000149480.7	146.8939201	0.850035	0.448145	1.896786	0.057856
ENSG00000204406.14	146.9083745	-0.45293	0.439842	-1.02977	0.30312
ENSG00000214013.9	146.9368913	-0.98062	0.431603	-2.27205	0.023083
ENSG00000105738.11	146.9584446	0.817888	0.48798	1.67607	0.093724
ENSG00000115421.13	146.9725574	-0.55253	0.434399	-1.27194	0.203396
ENSG00000226259.10	147.0025685	-0.64694	0.454828	-1.42238	0.154916
ENSG00000167972.14	147.0467353	0.149566	0.429375	0.348333	0.72759
ENSG00000132623.16	147.0757447	-0.81638	0.486685	-1.67743	0.093459
ENSG00000053501.13	147.1112059	-0.2554	0.43139	-0.59203	0.553829
ENSG00000267680.5	147.2189862	-0.19034	0.447356	-0.42549	0.670482
ENSG00000152990.14	147.2216283	0.31825	0.439277	0.724485	0.468768
ENSG00000121653.11	147.3103697	0.041938	0.450004	0.093195	0.925748
ENSG00000224086.6	147.33968	0.260634	0.537519	0.484884	0.627758
ENSG00000174652.19	147.3460722	0.107845	0.438177	0.246122	0.805588
ENSG00000153485.6	147.3582028	-0.11483	0.444643	-0.25825	0.796213
ENSG00000159055.4	147.3911971	-0.04869	0.435035	-0.11191	0.910894
ENSG00000160200.18	147.4113579	0.433739	0.452732	0.958048	0.338039
ENSG00000006756.16	147.4378382	0.101431	0.423745	0.239367	0.810821
ENSG00000149177.13	147.4749374	-0.41805	0.439646	-0.95087	0.34167
ENSG00000164332.8	147.4749785	-0.02999	0.442261	-0.0678	0.945943
ENSG00000165240.20	147.5057711	-0.4144	0.536164	-0.77289	0.439588
ENSG00000137343.18	147.5537836	-0.39877	0.44952	-0.88711	0.375019
ENSG00000104859.15	147.6319315	0.392066	0.437478	0.896196	0.370148
ENSG00000188760.10	147.6321599	-0.5458	0.493854	-1.10519	0.269079
ENSG00000180900.20	147.7052084	1.928106	0.482417	3.996763	6.42E-05
ENSG00000147854.17	147.7163717	0.087923	0.439399	0.2001	0.841403
ENSG00000129680.16	147.7212608	0.471056	0.431876	1.090721	0.275396
ENSG00000171714.12	147.7631363	-0.6784	0.482248	-1.40675	0.159502
ENSG00000070882.13	147.7700757	-0.24565	0.479757	-0.51202	0.608634
ENSG00000198768.11	147.8127288	0.320831	0.4697	0.683055	0.494572
ENSG00000148935.11	147.8221106	-0.51195	0.531193	-0.96377	0.33516
ENSG00000197951.10	147.823379	-0.71007	0.482858	-1.47057	0.141409
ENSG00000010361.14	147.9002815	-0.02702	0.436518	-0.0619	0.950646
ENSG00000164631.19	148.0100293	0.237703	0.431843	0.550439	0.582018
ENSG00000060709.15	148.023449	0.174222	0.481326	0.361963	0.71738
ENSG00000260314.3	148.0246752	-0.00892	0.5937	-0.01503	0.98801
ENSG00000221823.11	148.0797394	0.302591	0.452379	0.668888	0.503567
ENSG00000100918.13	148.1173095	-0.25293	0.599783	-0.4217	0.67324
ENSG00000198746.13	148.1590369	0.216505	0.458936	0.471754	0.637103
ENSG00000183878.15	148.1769097	-0.18071	0.447118	-0.40416	0.686094
ENSG00000146574.15	148.2135656	0.579871	0.448106	1.294048	0.195649
ENSG00000065600.13	148.2961729	-0.34117	0.434135	-0.78586	0.431951
ENSG00000049239.13	148.331603	0.427829	0.442752	0.966295	0.333897
ENSG00000165914.15	148.381038	-0.4001	0.439022	-0.91135	0.362112
ENSG00000103326.12	148.4728501	0.409749	0.434245	0.943588	0.34538
ENSG00000170667.15	148.5526366	0.029582	0.435679	0.067899	0.945866
ENSG00000073464.13	148.6264251	-0.7578	0.441236	-1.71744	0.085899
ENSG00000110693.18	148.6306885	-0.29453	0.458429	-0.64248	0.520564
ENSG00000118961.15	148.6335847	-0.51238	0.558641	-0.91719	0.359044

ENSG00000132664.12	148.6599984	-0.23613	0.443943	-0.53189	0.5948
ENSG00000170545.17	148.7369933	-0.19151	0.442948	-0.43235	0.665486
ENSG00000259332.3	148.7919718	-0.37223	0.424613	-0.87664	0.380681
ENSG00000166886.13	148.8810511	-0.05064	0.463945	-0.10916	0.913078
ENSG00000176720.6	148.9308204	0.48991	0.431397	1.135638	0.256108
ENSG00000171522.6	148.947457	-1.02172	0.464775	-2.19831	0.027927
ENSG00000151611.16	148.9865766	-0.81983	0.546792	-1.49935	0.133783
ENSG00000164241.13	149.0497971	0.292082	0.44344	0.658674	0.510105
ENSG00000158156.9	149.0693443	-0.27609	0.44579	-0.61932	0.535706
ENSG00000051009.11	149.1201916	0.149777	0.438966	0.341204	0.73295
ENSG00000121210.16	149.2292022	-0.81309	0.539943	-1.50588	0.132097
ENSG00000287299.1	149.3439316	0.159442	0.427017	0.373385	0.708862
ENSG00000149577.16	149.3754584	0.220633	0.427149	0.516525	0.605487
ENSG00000100426.7	149.3954398	-0.04249	0.436714	-0.09728	0.922501
ENSG00000187720.14	149.412295	0.050331	0.497801	0.101106	0.919466
ENSG00000129347.21	149.4473004	0.416157	0.442782	0.93987	0.347284
ENSG00000183475.13	149.5839313	-0.38597	0.427022	-0.90388	0.366062
ENSG00000048740.18	149.7024883	-0.77994	0.465276	-1.67629	0.093682
ENSG00000198342.10	149.7488563	-0.34067	0.508894	-0.66943	0.503223
ENSG00000198074.10	149.7542204	-0.23808	0.459334	-0.51831	0.604241
ENSG00000104852.15	149.8768355	1.357019	0.506672	2.6783	0.0074
ENSG00000066027.12	149.9059173	-0.00213	0.455831	-0.00468	0.996268
ENSG00000167202.11	149.9079069	0.263824	0.433289	0.608888	0.542599
ENSG00000106268.15	149.9734273	-0.06175	0.426588	-0.14476	0.884898
ENSG00000228830.1	149.9785253	0.077465	0.427291	0.181293	0.856137
ENSG00000174306.21	150.0043552	0.127375	0.50938	0.250058	0.802542
ENSG00000184470.21	150.059641	0.203264	0.439661	0.462319	0.643852
ENSG00000142082.15	150.0792236	-0.64061	0.436366	-1.46807	0.142086
ENSG00000006432.15	150.1457275	-0.0026	0.453583	-0.00572	0.995434
ENSG00000160094.15	150.1461819	-0.18986	0.440077	-0.43143	0.666154
ENSG00000151474.23	150.1570786	0.127333	0.430298	0.295918	0.767293
ENSG00000005100.13	150.2277079	0.323652	0.450757	0.718018	0.472746
ENSG00000160685.13	150.2398773	-0.15783	0.451226	-0.34977	0.726509
ENSG00000114698.15	150.2567728	-0.66588	0.436434	-1.52574	0.127075
ENSG00000140471.17	150.3714893	-0.36351	0.437365	-0.83114	0.405895
ENSG00000113966.10	150.3737519	-1.07935	0.434567	-2.48373	0.013002
ENSG00000177058.12	150.3778451	-0.38463	0.431329	-0.89173	0.372535
ENSG00000131373.15	150.4539078	-0.50905	0.425415	-1.19661	0.23146
ENSG00000100890.16	150.4964948	-0.14949	0.435351	-0.34338	0.731312
ENSG00000258430.1	150.5627413	0.100389	0.429989	0.23347	0.815397
ENSG00000139618.16	150.6010872	-0.5977	0.475425	-1.25719	0.208684
ENSG00000172992.12	150.6130271	0.100324	0.426389	0.235286	0.813987
ENSG00000122483.17	150.6437217	-0.14935	0.491007	-0.30418	0.760993
ENSG00000267165.1	150.6654376	0.107855	0.422551	0.255248	0.798531
ENSG00000145241.11	150.6673225	-0.53945	0.440733	-1.22399	0.220955
ENSG00000243156.9	150.6904512	-0.21755	0.431851	-0.50377	0.614422
ENSG00000099974.8	150.7361152	0.145359	0.448363	0.324199	0.745787
ENSG00000109118.14	150.7524278	0.5654	0.458894	1.232093	0.217914
ENSG00000183798.5	150.8341092	-0.02237	0.48055	-0.04656	0.962868
ENSG00000151445.16	150.8451912	-0.0134	0.436804	-0.03067	0.975533
ENSG00000173137.12	150.8530649	-0.31884	0.447391	-0.71266	0.476053
ENSG00000236782.7	150.9480504	0.263902	0.468078	0.563799	0.572891

ENSG00000166704.11	150.9525345	0.237982	0.463409	0.513546	0.607569
ENSG00000204954.10	150.9891378	-0.05832	0.432226	-0.13493	0.892667
ENSG00000234771.3	151.0367567	0.340363	0.437264	0.778394	0.436337
ENSG00000159788.19	151.0907609	-0.58148	0.487441	-1.19292	0.232902
ENSG00000107614.22	151.0963291	-0.12538	0.433543	-0.28919	0.772434
ENSG00000163975.12	151.1087245	-0.15698	0.462018	-0.33977	0.734027
ENSG00000166575.17	151.1269971	-0.71602	0.478952	-1.49497	0.134922
ENSG00000154309.9	151.1729006	-0.32505	0.425077	-0.76467	0.444465
ENSG00000107554.17	151.2950582	-0.02663	0.422298	-0.06307	0.94971
ENSG00000184860.10	151.3005027	-0.50147	0.522095	-0.9605	0.336804
ENSG00000198826.11	151.3888936	0.404447	0.515032	0.785285	0.432286
ENSG00000264343.6	151.4472792	-0.18812	0.422225	-0.44555	0.655925
ENSG00000173511.9	151.5248693	0.842308	0.479109	1.758072	0.078735
ENSG00000171236.10	151.6223046	0.025026	0.474654	0.052724	0.957952
ENSG00000070778.13	151.684806	0.2666	0.515068	0.517602	0.604736
ENSG00000169246.16	151.7152195	0.185042	0.431155	0.429178	0.667794
ENSG00000254635.6	151.7616326	0.604386	0.441807	1.367989	0.171316
ENSG00000273015.2	151.7793812	0.277975	0.439845	0.631984	0.527397
ENSG00000180822.12	151.7983038	0.395227	0.420118	0.940751	0.346832
ENSG00000213096.11	151.8592598	-0.78637	0.446237	-1.76223	0.078031
ENSG00000132330.18	151.8915043	-0.10312	0.420992	-0.24495	0.806499
ENSG00000152076.19	151.8994902	-0.28512	0.499661	-0.57062	0.568258
ENSG00000174353.17	151.9165674	-0.08368	0.457952	-0.18273	0.855013
ENSG00000185379.20	151.9309979	-0.79259	0.431052	-1.83874	0.065954
ENSG00000134602.16	151.9614722	-0.65471	0.458656	-1.42746	0.153449
ENSG00000100726.15	151.969549	0.357102	0.472545	0.7557	0.449829
ENSG00000174233.11	152.0245411	0.791728	0.427806	1.850674	0.064216
ENSG00000123933.17	152.0361795	0.603318	0.436058	1.383571	0.16649
ENSG00000122490.19	152.0553709	0.613021	0.430622	1.42357	0.154571
ENSG00000135597.19	152.0755462	0.784407	0.50828	1.543259	0.122768
ENSG00000168944.17	152.0924716	-0.03993	0.463342	-0.08619	0.931319
ENSG00000110107.9	152.1180777	1.020434	0.434144	2.350449	0.018751
ENSG00000083123.15	152.123461	-0.00958	0.488495	-0.01961	0.984351
ENSG00000219626.9	152.2116771	-0.41032	0.478596	-0.85735	0.391251
ENSG00000175063.17	152.284028	0.132532	0.486327	0.272517	0.785224
ENSG00000224051.7	152.28504	-0.25769	0.50517	-0.5101	0.609983
ENSG00000173064.13	152.3155132	-0.31804	0.422913	-0.75202	0.452037
ENSG00000280893.1	152.3291617	-0.42261	0.428998	-0.98511	0.324568
ENSG00000197948.11	152.3315475	0.20264	0.425103	0.476684	0.633587
ENSG00000119866.22	152.376417	-0.53686	0.429516	-1.24992	0.211328
ENSG00000143416.21	152.3833289	0.057042	0.45819	0.124494	0.900924
ENSG00000127124.16	152.4084003	-0.46648	0.492745	-0.94669	0.343796
ENSG00000101247.18	152.4338571	0.053133	0.433856	0.122467	0.902529
ENSG00000005448.17	152.4507918	-0.14306	0.42231	-0.33876	0.734791
ENSG00000269439.6	152.4622014	0.084572	0.432019	0.195761	0.844797
ENSG00000113108.19	152.5342968	-0.40486	0.430301	-0.94087	0.346772
ENSG00000174109.5	152.5978393	0.071628	0.419931	0.170571	0.864561
ENSG00000171608.16	152.6858614	-0.24068	0.438484	-0.5489	0.583073
ENSG00000076201.15	152.6937041	0.343781	0.422648	0.813399	0.41599
ENSG00000080298.15	152.715973	0.091087	0.443398	0.205428	0.837237
ENSG00000177000.13	152.7273454	0.471766	0.449837	1.048749	0.294294
ENSG00000223745.8	152.7590665	-0.69673	0.463229	-1.50408	0.132562

ENSG00000238227.8	152.7633592	0.27329	0.420831	0.649405	0.516076
ENSG00000103490.14	152.8121183	0.082379	0.435881	0.188995	0.850097
ENSG00000139946.10	152.8528274	-0.69087	0.448196	-1.54145	0.123207
ENSG00000186532.12	152.8785755	0.230699	0.443636	0.520018	0.603051
ENSG00000122512.16	152.9098692	-0.42542	0.439365	-0.96827	0.332912
ENSG00000105662.16	152.9180989	-0.59504	0.538023	-1.10597	0.268739
ENSG00000118197.14	152.9207248	-0.46104	0.449911	-1.02474	0.305484
ENSG00000149639.15	152.9256784	-0.1964	0.442747	-0.4436	0.657328
ENSG00000175213.3	152.9346999	0.012506	0.421403	0.029677	0.976324
ENSG00000167535.8	152.9533108	0.518978	0.438174	1.18441	0.236251
ENSG00000196151.11	152.9580392	-0.77231	0.437696	-1.76448	0.077651
ENSG00000198837.10	152.9738976	0.752783	0.461529	1.631064	0.102877
ENSG00000264247.2	152.9787297	0.545507	0.4356	1.252313	0.210456
ENSG00000186106.11	153.0536139	-1.13027	0.482139	-2.34427	0.019064
ENSG00000267532.5	153.0621624	-0.18272	0.425479	-0.42944	0.667606
ENSG00000138686.10	153.0725514	0.2802	0.420512	0.66633	0.5052
ENSG00000183137.14	153.098537	-0.17302	0.449327	-0.38507	0.700185
ENSG00000080573.7	153.1062411	1.306444	0.590481	2.212508	0.026932
ENSG00000165572.8	153.1428702	0.400123	0.453085	0.88311	0.377177
ENSG00000157765.13	153.2290548	0.129346	0.520796	0.248363	0.803854
ENSG00000138231.13	153.2765103	-0.37089	0.424226	-0.87428	0.381967
ENSG00000242612.7	153.2836959	-0.26784	0.425586	-0.62935	0.529121
ENSG00000092094.11	153.4017262	-0.39776	0.520479	-0.76421	0.444742
ENSG00000204439.4	153.4324527	-0.28322	0.645094	-0.43903	0.660638
ENSG00000163807.6	153.4601161	0.114854	0.426319	0.269408	0.787616
ENSG00000080031.10	153.4621211	-0.48113	0.482553	-0.99705	0.318742
ENSG00000146555.19	153.4721932	-0.17146	0.470947	-0.36407	0.715807
ENSG00000197077.13	153.5151548	0.158659	0.430775	0.368312	0.712641
ENSG00000126461.15	153.6049419	0.482834	0.482215	1.001284	0.316689
ENSG00000140396.13	153.6108817	-0.00155	0.451254	-0.00344	0.997254
ENSG00000235655.3	153.626104	0.13232	0.440146	0.300627	0.763699
ENSG00000171606.18	153.6401935	0.80809	0.478048	1.690397	0.090952
ENSG00000144647.6	153.6425408	0.171316	0.423837	0.404202	0.686065
ENSG00000168795.5	153.6530304	0.150301	0.501593	0.299647	0.764446
ENSG00000102362.15	153.7329203	0.394565	0.550427	0.716833	0.473477
ENSG00000143850.16	153.7474812	0.485263	0.438308	1.107128	0.268239
ENSG00000177182.11	153.779208	0.184795	0.434271	0.42553	0.670451
ENSG00000069482.7	153.7803323	0.01542	0.477426	0.032298	0.974234
ENSG00000185917.14	153.8204949	-0.4196	0.453706	-0.92483	0.355054
ENSG00000138660.12	153.8302262	-0.93893	0.53207	-1.76467	0.077619
ENSG00000086712.13	153.917999	-0.09079	0.434672	-0.20887	0.834547
ENSG00000172888.12	154.0054481	-0.68463	0.430325	-1.59097	0.111617
ENSG00000185838.14	154.050503	-0.36857	0.448083	-0.82255	0.410762
ENSG00000109805.10	154.0680006	1.057281	0.502578	2.103713	0.035403
ENSG00000127324.9	154.0778293	-0.01162	0.421811	-0.02754	0.978025
ENSG00000186111.10	154.1608798	0.672167	0.456371	1.472854	0.140791
ENSG00000138162.19	154.1828727	0.266657	0.538835	0.494878	0.620687
ENSG00000163378.14	154.2217671	-0.27539	0.42612	-0.64626	0.518109
ENSG00000225830.14	154.245479	-0.52184	0.444999	-1.17268	0.240923
ENSG00000142784.16	154.3716478	-0.062	0.42078	-0.14734	0.882863
ENSG00000181481.14	154.4412867	-0.41372	0.43467	-0.9518	0.341199
ENSG00000107443.16	154.4622557	-0.53923	0.441241	-1.22207	0.221683

ENSG00000115808.12	154.4911946	1.069116	0.529672	2.01845	0.043544
ENSG00000104490.18	154.5345995	-0.38106	0.433588	-0.87886	0.379479
ENSG00000261618.2	154.5392871	0.298889	0.494209	0.604782	0.545324
ENSG00000280160.1	154.575436	-0.01795	0.425567	-0.04219	0.96635
ENSG00000144791.10	154.5901554	0.046724	0.419902	0.111273	0.9114
ENSG00000138031.14	154.6089206	-0.01237	0.486191	-0.02545	0.979699
ENSG00000001167.14	154.6652961	-0.59081	0.431358	-1.36966	0.170793
ENSG00000081665.14	154.7590103	-0.03894	0.418588	-0.09303	0.925878
ENSG00000101463.6	154.781855	-0.29538	0.480183	-0.61513	0.538467
ENSG00000267135.2	154.8267246	-0.0939	0.452407	-0.20757	0.835568
ENSG00000182903.16	154.8926255	-0.17266	0.458201	-0.37682	0.70631
ENSG00000038532.16	154.9186933	0.267604	0.422516	0.633358	0.5265
ENSG00000163738.18	154.9286425	0.52714	0.427826	1.232135	0.217899
ENSG00000177707.11	155.0086178	0.585228	0.424995	1.377025	0.168505
ENSG00000128266.9	155.0248993	0.016459	0.437048	0.03766	0.969958
ENSG00000072422.17	155.1012476	-0.44759	0.480014	-0.93244	0.351108
ENSG00000119986.7	155.1590271	-0.35011	0.48829	-0.717	0.473373
ENSG00000255717.7	155.1622931	0.923916	0.515339	1.79283	0.073
ENSG00000116874.12	155.2396397	-0.23676	0.439744	-0.53841	0.590294
ENSG00000089902.10	155.2591947	0.02796	0.421129	0.066393	0.947065
ENSG00000176845.13	155.3585944	0.654629	0.562731	1.163307	0.244705
ENSG00000119685.20	155.3806599	0.100804	0.435925	0.231242	0.817126
ENSG00000187147.18	155.4339028	0.384632	0.418468	0.919141	0.358022
ENSG00000136932.14	155.4767303	-0.42633	0.427227	-0.9979	0.318328
ENSG00000119661.15	155.5899031	-0.29279	0.432915	-0.67633	0.498829
ENSG00000028310.18	155.6246414	0.808689	0.486275	1.663029	0.096307
ENSG00000278730.1	155.6968833	-0.42285	0.428287	-0.98731	0.323489
ENSG00000165802.23	155.7333092	0.419766	0.429193	0.978034	0.328057
ENSG00000090776.6	155.7765151	-0.0172	0.419968	-0.04096	0.96733
ENSG00000140563.15	155.8148501	-0.6306	0.418852	-1.50555	0.132183
ENSG00000106692.15	155.8416864	-0.75124	0.464674	-1.61671	0.105941
ENSG00000004766.17	155.9321209	0.0665	0.440106	0.151099	0.879898
ENSG00000154642.11	155.9720564	-0.88717	0.465529	-1.90572	0.056686
ENSG00000105327.18	156.0102156	0.009944	0.533979	0.018622	0.985143
ENSG00000175087.10	156.0218643	-0.80864	0.506805	-1.59556	0.110588
ENSG00000065609.14	156.085998	-1.15758	0.443564	-2.60973	0.009061
ENSG00000196678.14	156.1279156	-0.66584	0.432995	-1.53775	0.12411
ENSG00000198894.8	156.2101571	0.105803	0.438885	0.241072	0.809499
ENSG00000047644.19	156.2666188	0.153456	0.434501	0.353177	0.723956
ENSG00000105136.21	156.2678209	0.519489	0.537417	0.966639	0.333724
ENSG00000197457.10	156.4352844	0.286848	0.481655	0.595547	0.551478
ENSG00000259488.2	156.4562497	-0.60879	0.466828	-1.3041	0.192201
ENSG00000157077.14	156.5040824	-0.25481	0.427861	-0.59555	0.551476
ENSG00000198841.4	156.5879875	-0.07887	0.424453	-0.18582	0.852588
ENSG00000148950.11	156.6653369	-0.1384	0.421688	-0.3282	0.742763
ENSG00000130303.13	156.7132303	0.026252	0.424836	0.061794	0.950727
ENSG00000137720.8	156.72541	-0.87502	0.433326	-2.01931	0.043455
ENSG00000177374.13	156.791917	0.600595	0.443462	1.354333	0.17563
ENSG00000037749.12	156.8498655	-0.70961	0.47588	-1.49116	0.135919
ENSG00000120158.12	156.9546504	-0.31947	0.485991	-0.65737	0.510946
ENSG00000121775.18	156.9650782	-0.69878	0.444961	-1.57043	0.116314
ENSG00000185278.15	156.9657076	-0.49	0.493001	-0.99391	0.320267

ENSG00000119969.15	157.0038318	0.23372	0.427259	0.547021	0.584365
ENSG00000175470.20	157.0110092	0.560922	0.427949	1.310722	0.189952
ENSG00000130560.9	157.0189339	0.395802	0.423398	0.934821	0.349881
ENSG00000101489.20	157.1139865	-0.69918	0.57754	-1.21061	0.226044
ENSG00000069702.11	157.1650555	-0.45186	0.430088	-1.05063	0.293428
ENSG00000148341.18	157.1695445	0.59886	0.418989	1.429299	0.152918
ENSG00000184428.13	157.2073251	-0.25482	0.458453	-0.55583	0.57833
ENSG00000132879.14	157.2635858	-0.61128	0.491478	-1.24375	0.213591
ENSG00000104356.11	157.2718309	-0.21782	0.445628	-0.4888	0.624982
ENSG00000164086.10	157.3208301	-0.51823	0.440129	-1.17746	0.239013
ENSG00000197872.11	157.3433087	-0.78602	0.455281	-1.72644	0.084267
ENSG00000180747.15	157.3630321	-0.74671	0.427924	-1.74496	0.080991
ENSG00000101076.17	157.3659219	0.102611	0.503695	0.203717	0.838575
ENSG00000213742.7	157.4172466	-0.1556	0.432306	-0.35993	0.718898
ENSG00000214575.9	157.442098	-0.70422	0.438432	-1.60622	0.108227
ENSG00000127980.16	157.5472687	-0.62575	0.434203	-1.44114	0.149544
ENSG00000185019.17	157.5891776	-0.35735	0.46034	-0.77628	0.437583
ENSG00000180357.9	157.6075248	0.551614	0.43184	1.277356	0.201477
ENSG00000161955.16	157.7440772	-0.3013	0.434849	-0.69288	0.488383
ENSG00000140450.9	157.8056694	0.036625	0.431984	0.084783	0.932434
ENSG00000093100.13	157.8271395	0.282989	0.41794	0.677106	0.498339
ENSG00000100324.14	157.8548706	-0.27398	0.457716	-0.59857	0.549459
ENSG00000184677.18	157.8816452	-0.09223	0.416729	-0.22131	0.824852
ENSG00000143344.16	157.9882986	-0.0431	0.43035	-0.10015	0.920223
ENSG00000169372.13	158.0606002	-0.01522	0.438904	-0.03467	0.972346
ENSG00000106333.13	158.1130927	-0.00109	0.436285	-0.0025	0.998002
ENSG00000197044.11	158.1448776	-0.68246	0.430244	-1.58622	0.11269
ENSG00000132478.10	158.2188746	-0.42785	0.45564	-0.93901	0.347727
ENSG00000224032.7	158.2525919	0.055293	0.535914	0.103176	0.917823
ENSG00000169047.5	158.2588999	0.549115	0.443501	1.238139	0.215665
ENSG00000114107.9	158.3567466	-0.57565	0.424882	-1.35484	0.175468
ENSG00000164283.13	158.4045673	-0.09997	0.482306	-0.20727	0.835799
ENSG00000167173.19	158.4415757	0.366689	0.432039	0.848741	0.396025
ENSG00000006607.14	158.4546462	0.022263	0.430249	0.051744	0.958732
ENSG00000164542.13	158.4577218	-0.39166	0.423204	-0.92546	0.354726
ENSG00000062038.14	158.4974672	-0.60495	0.443911	-1.36277	0.172956
ENSG00000169249.13	158.5321106	0.367109	0.457033	0.803243	0.421835
ENSG00000186814.14	158.5331746	0.028176	0.418573	0.067314	0.946332
ENSG00000271425.9	158.5708707	0.379447	0.45584	0.832411	0.405177
ENSG00000134954.14	158.5738557	0.399699	0.476276	0.839218	0.401347
ENSG00000069535.14	158.5806661	-0.10397	0.540339	-0.19241	0.847418
ENSG00000066739.12	158.6525504	-0.90375	0.512054	-1.76496	0.077571
ENSG00000084092.7	158.7770999	-0.31118	0.44647	-0.69698	0.485813
ENSG00000233621.2	158.8337961	-0.05031	0.41788	-0.1204	0.904165
ENSG00000197429.11	159.0721009	-0.83467	0.46433	-1.79758	0.072244
ENSG00000198863.7	159.1047814	0.752715	0.434115	1.733908	0.082934
ENSG00000087258.16	159.1484868	-0.16355	0.424786	-0.38502	0.700221
ENSG00000284024.3	159.1995758	-0.55271	0.519642	-1.06363	0.287497
ENSG00000076716.9	159.2748643	-0.74466	0.457614	-1.62726	0.103682
ENSG00000151952.16	159.3581699	-0.67147	0.4542	-1.47835	0.139313
ENSG00000153933.10	159.3984593	-0.36933	0.420128	-0.87909	0.379355
ENSG00000162929.14	159.4348651	0.18223	0.448176	0.406603	0.684299

ENSG00000227617.9	159.4749865	-0.19877	0.468834	-0.42396	0.671593
ENSG00000173715.18	159.4978354	-0.3293	0.459985	-0.71589	0.474056
ENSG00000143375.15	159.5109612	0.087311	0.427686	0.204148	0.838238
ENSG00000173992.9	159.5207939	0.13516	0.436582	0.309588	0.756874
ENSG00000099308.10	159.6047156	0.227464	0.456613	0.498155	0.618375
ENSG00000183421.12	159.6377445	-0.39405	0.434859	-0.90616	0.364852
ENSG00000161618.10	159.6494494	0.92707	0.430353	2.154208	0.031224
ENSG00000186352.9	159.6742077	-0.54775	0.453274	-1.20843	0.226882
ENSG00000207971.1	159.7053032	8.665893	3.867434	2.240735	0.025043
ENSG00000145675.15	159.7403697	-0.2625	0.495225	-0.53007	0.596062
ENSG00000197647.11	159.7743973	-0.19318	0.548853	-0.35197	0.724864
ENSG00000124602.10	159.8558604	-0.08366	0.42395	-0.19734	0.843563
ENSG00000115350.12	159.8945761	0.089242	0.435872	0.204745	0.837772
ENSG00000167264.18	159.896599	0.257991	0.418833	0.615974	0.537912
ENSG00000081377.17	159.9250908	-0.01131	0.472331	-0.02395	0.980889
ENSG00000120899.18	159.9666496	0.796352	0.449722	1.770765	0.0766
ENSG00000205356.10	159.9693123	0.495108	0.433149	1.143044	0.25302
ENSG00000142207.7	159.9736268	0.697895	0.425839	1.638872	0.10124
ENSG00000130529.16	159.9971449	0.557708	0.50728	1.099408	0.27159
ENSG00000213588.6	160.0058142	-0.21476	0.455127	-0.47187	0.63702
ENSG00000120868.14	160.0073857	0.07753	0.552669	0.140283	0.888437
ENSG00000163879.11	160.0663218	-0.44336	0.439488	-1.00881	0.313064
ENSG00000196449.4	160.0685928	0.424038	0.428276	0.990106	0.322122
ENSG00000125703.15	160.0955814	-0.84375	0.425786	-1.98163	0.047521
ENSG00000196411.10	160.1148504	0.520757	0.431464	1.206953	0.22745
ENSG00000170100.13	160.1378123	-0.31293	0.607586	-0.51504	0.606523
ENSG00000184992.13	160.1454367	-0.0642	0.440061	-0.14588	0.884015
ENSG00000095015.6	160.1529291	-0.67888	0.451519	-1.50355	0.132698
ENSG00000116830.12	160.1606561	-0.53317	0.521754	-1.02188	0.306836
ENSG00000186153.17	160.1972475	0.115392	0.438528	0.263135	0.792446
ENSG00000136689.18	160.2014023	-0.73648	0.507746	-1.45049	0.146923
ENSG00000032742.17	160.2360619	-0.56221	0.426866	-1.31707	0.187816
ENSG00000077152.11	160.3243737	0.282393	0.423475	0.666847	0.50487
ENSG00000141441.16	160.3355943	-0.08175	0.44536	-0.18355	0.854367
ENSG00000090006.18	160.3696677	0.24729	0.4376	0.565104	0.572003
ENSG00000166257.9	160.4250298	-0.2117	0.475521	-0.4452	0.656177
ENSG00000137941.17	160.4310486	-0.09861	0.432353	-0.22808	0.819585
ENSG00000124535.16	160.4559831	0.024695	0.426209	0.057942	0.953795
ENSG00000226210.3	160.495297	-0.26616	0.442125	-0.60201	0.547169
ENSG00000221869.5	160.4970421	0.915777	0.535845	1.709032	0.087445
ENSG00000181381.13	160.5236894	0.157743	0.457591	0.344724	0.730302
ENSG00000053524.12	160.6311838	-0.0882	0.43583	-0.20237	0.83963
ENSG00000162783.11	160.6640199	1.154853	0.585479	1.972492	0.048553
ENSG00000137843.12	160.6675288	0.02285	0.416493	0.054863	0.956248
ENSG00000150551.11	160.7026092	0.024326	0.449009	0.054177	0.956794
ENSG00000137274.13	160.7037645	-0.45815	0.44495	-1.02966	0.303171
ENSG00000204152.13	160.7406149	-0.13116	0.468574	-0.27992	0.779537
ENSG00000153767.10	160.7508559	-0.3304	0.43963	-0.75154	0.45233
ENSG00000171224.9	160.8085938	-0.2007	0.431458	-0.46516	0.641818
ENSG00000106034.18	160.8589536	-0.2216	0.482743	-0.45904	0.646208
ENSG00000267368.1	160.9219791	-0.103	0.418063	-0.24636	0.8054
ENSG00000183401.12	160.9566347	-0.12919	0.417045	-0.30977	0.756735

ENSG00000182979.18	160.9638942	0.454906	0.425834	1.068272	0.285398
ENSG00000104218.15	160.9651509	-0.28594	0.456486	-0.6264	0.531052
ENSG00000077713.19	161.1001227	-0.52381	0.568318	-0.92168	0.356693
ENSG00000127554.13	161.1119019	-0.06651	0.42943	-0.15489	0.876912
ENSG00000120800.5	161.1250424	0.022621	0.434411	0.052073	0.95847
ENSG00000133048.13	161.1934465	-0.12171	0.500419	-0.24322	0.807836
ENSG00000185344.15	161.2929581	0.36264	0.443997	0.816761	0.414065
ENSG00000185973.12	161.4370943	-0.46059	0.493082	-0.9341	0.35025
ENSG00000150990.8	161.5203407	0.663301	0.467272	1.419517	0.155748
ENSG00000137168.8	161.5584982	-0.10936	0.465072	-0.23514	0.8141
ENSG00000169964.8	161.558616	-0.34426	0.443554	-0.77614	0.437666
ENSG00000100403.12	161.6143133	0.108436	0.463433	0.233984	0.814998
ENSG00000050426.16	161.6156579	-0.33973	0.433647	-0.78342	0.433382
ENSG00000186166.9	161.6352839	-0.18027	0.420895	-0.42831	0.668429
ENSG00000135473.15	161.6774742	-0.21729	0.433015	-0.50181	0.615803
ENSG00000259040.5	161.6800517	-1.30444	1.955887	-0.66693	0.504817
ENSG00000166592.12	161.6948599	0.343241	0.541968	0.633325	0.526522
ENSG00000028137.19	161.7349299	0.465659	0.489306	0.951672	0.341263
ENSG00000144909.8	161.7517661	-0.26345	0.416366	-0.63273	0.526913
ENSG00000078699.22	161.7551893	-0.15238	0.436112	-0.34941	0.72678
ENSG00000272196.2	161.8027886	0.218135	0.422202	0.516659	0.605394
ENSG00000137700.18	161.9556743	-0.30761	0.447188	-0.68788	0.491526
ENSG00000047056.16	162.0093646	-0.26905	0.437434	-0.61506	0.538516
ENSG00000154124.5	162.0327406	1.248051	0.55565	2.24611	0.024697
ENSG00000284879.1	162.0841375	-0.39998	0.491288	-0.81414	0.415562
ENSG00000234678.2	162.1483354	-0.10507	0.432002	-0.24322	0.807839
ENSG00000125354.23	162.1893519	0.076444	0.422017	0.181139	0.856258
ENSG00000142675.18	162.2578829	-0.273	0.418602	-0.65216	0.514298
ENSG00000134046.12	162.2676666	0.496291	0.461111	1.076294	0.281796
ENSG00000232956.9	162.3035124	-0.13289	0.479373	-0.27721	0.78162
ENSG00000043143.20	162.4390247	0.045029	0.454103	0.099161	0.921011
ENSG00000131584.19	162.4395456	0.772378	0.514291	1.50183	0.133141
ENSG00000141499.17	162.4659647	-0.12278	0.438661	-0.27989	0.779563
ENSG00000013810.20	162.4741919	0.798909	0.455593	1.753561	0.079506
ENSG00000101888.11	162.5678769	-0.07891	0.500903	-0.15754	0.874818
ENSG00000171451.14	162.5918588	0.61919	0.434754	1.424232	0.154379
ENSG00000101181.17	162.7445346	-0.19829	0.430687	-0.46039	0.645234
ENSG00000168096.15	162.7464477	-0.13912	0.442237	-0.31457	0.753084
ENSG00000063176.16	162.7964092	-0.05959	0.428897	-0.13894	0.889496
ENSG00000143258.16	162.8298501	-0.41552	0.470738	-0.88271	0.377394
ENSG00000141298.19	162.8486162	0.078172	0.422	0.185243	0.853038
ENSG00000103126.15	162.8956649	0.007757	0.455166	0.017043	0.986402
ENSG00000185024.17	162.9564117	0.386166	0.461157	0.837386	0.402376
ENSG00000174106.3	163.0348186	-0.04341	0.426989	-0.10166	0.919029
ENSG00000131831.18	163.0862669	-0.111	0.42621	-0.26042	0.794536
ENSG00000196459.14	163.189405	-0.09428	0.423572	-0.22258	0.823859
ENSG00000184924.5	163.2919367	0.289253	0.436534	0.662611	0.507579
ENSG00000181788.4	163.3482793	0.470697	0.463298	1.015972	0.309643
ENSG00000135966.13	163.3575077	0.142244	0.434214	0.327589	0.743222
ENSG00000116604.18	163.392455	0.035229	0.426665	0.082568	0.934195
ENSG00000189308.11	163.4619002	-0.59744	0.420726	-1.42002	0.155602
ENSG00000160877.6	163.4749905	0.845847	0.441036	1.917865	0.055128

ENSG00000197976.12	163.5422146	0.772714	0.509088	1.517839	0.129055
ENSG00000135905.19	163.5744645	0.01611	0.428375	0.037607	0.970001
ENSG00000198393.8	163.6587319	-0.23512	0.424094	-0.55441	0.5793
ENSG00000183161.6	163.6853942	-0.03399	0.44766	-0.07592	0.939481
ENSG00000172943.20	163.7630868	-0.19862	0.414374	-0.47933	0.631701
ENSG00000131002.12	163.7632149	0.217665	0.419455	0.518924	0.603813
ENSG00000278970.2	163.8403834	-0.03464	0.440463	-0.07864	0.93732
ENSG00000166166.13	163.8840664	0.069512	0.454325	0.153	0.878398
ENSG00000091127.14	163.9210547	-0.70637	0.442957	-1.59466	0.110788
ENSG00000158987.22	163.9223678	0.040683	0.421924	0.096423	0.923184
ENSG00000149212.12	163.9775692	-0.41199	0.438837	-0.93882	0.347825
ENSG00000267199.1	164.0305731	-0.26206	0.493539	-0.53098	0.595435
ENSG00000104221.13	164.1254763	-0.09506	0.418049	-0.22739	0.820121
ENSG00000162688.17	164.1455385	-0.31826	0.470087	-0.67703	0.49839
ENSG00000140830.9	164.155705	-0.62235	0.465996	-1.33553	0.181702
ENSG00000130544.12	164.2365568	0.076005	0.414613	0.183316	0.85455
ENSG00000112578.10	164.2862117	0.136568	0.417053	0.327458	0.743321
ENSG00000185507.21	164.3069808	-0.73468	0.446675	-1.64478	0.100015
ENSG00000182621.18	164.3150211	0.422887	0.422502	1.00091	0.31687
ENSG00000146373.16	164.3466092	-0.20665	0.419644	-0.49245	0.622404
ENSG00000143374.17	164.3627798	0.05015	0.421397	0.119008	0.905269
ENSG00000135845.10	164.3836501	0.142191	0.494791	0.287376	0.773825
ENSG00000116667.15	164.3937432	0.063281	0.429136	0.14746	0.882769
ENSG00000176994.11	164.438449	0.573151	0.421105	1.361065	0.173493
ENSG00000137880.6	164.5240916	-0.24573	0.428823	-0.57304	0.566616
ENSG00000145919.11	164.578781	1.060703	0.49549	2.140713	0.032297
ENSG00000126001.16	164.5967094	-0.23939	0.431284	-0.55506	0.578855
ENSG00000196663.16	164.6089267	-0.23015	0.425391	-0.54103	0.588485
ENSG00000183826.18	164.6518613	0.026411	0.43629	0.060536	0.951729
ENSG00000158435.8	164.6998137	0.463409	0.417688	1.109462	0.267231
ENSG00000169093.16	164.7195508	-0.09628	0.416985	-0.23089	0.817401
ENSG00000165025.15	164.7389038	-0.28059	0.460148	-0.60978	0.542007
ENSG00000140853.15	164.7682687	0.53386	0.496555	1.075128	0.282317
ENSG00000167394.13	164.9193453	-0.38157	0.472797	-0.80706	0.419633
ENSG00000130150.12	164.956271	-0.45436	0.416604	-1.09063	0.275436
ENSG00000134873.10	164.9850123	-0.02488	0.551863	-0.04509	0.964038
ENSG00000163913.12	165.0341128	0.024844	0.458532	0.054181	0.956791
ENSG00000106078.19	165.064993	0.09214	0.446784	0.206228	0.836613
ENSG00000261604.1	165.0967501	-0.46714	0.461721	-1.01173	0.311667
ENSG00000074410.14	165.1496901	0.187001	0.495062	0.377733	0.705629
ENSG00000129946.10	165.2062576	0.582582	0.446776	1.303968	0.192244
ENSG00000105270.15	165.2173446	-0.00184	0.462962	-0.00398	0.996828
ENSG00000110944.9	165.2684927	-0.12198	0.45375	-0.26883	0.788062
ENSG00000218336.9	165.2708758	-0.23497	0.423985	-0.5542	0.579444
ENSG00000143862.8	165.2970204	0.502788	0.455089	1.104812	0.269241
ENSG00000082068.9	165.33832	0.752156	0.51662	1.455917	0.145415
ENSG00000196227.11	165.3654699	-1.71897	0.434009	-3.96066	7.47E-05
ENSG00000196756.13	165.3727659	-0.2557	0.50006	-0.51135	0.609108
ENSG00000029153.14	165.384738	0.241696	0.423627	0.57054	0.568311
ENSG00000003987.14	165.6470967	-0.29603	0.433341	-0.68314	0.494521
ENSG00000213762.12	165.6736022	-0.23221	0.432497	-0.53691	0.591331
ENSG00000172530.20	165.7724461	-0.13862	0.441439	-0.31402	0.753503

ENSG00000100601.10	165.7763556	-0.31548	0.432123	-0.73007	0.46535
ENSG00000117242.7	165.8476786	0.591291	0.41811	1.414199	0.157303
ENSG00000132470.14	165.9808572	0.792845	0.500486	1.58415	0.11316
ENSG00000125731.13	166.022533	-0.00484	0.481605	-0.01006	0.991977
ENSG00000106868.17	166.032563	-0.1	0.443485	-0.22548	0.821607
ENSG00000166938.13	166.1197022	-0.14001	0.42417	-0.33007	0.741346
ENSG00000159086.15	166.141046	0.080724	0.421498	0.191518	0.84812
ENSG00000269955.2	166.2161219	0.181987	0.474208	0.38377	0.701149
ENSG00000146151.14	166.3279085	-0.69295	0.517725	-1.33844	0.180751
ENSG00000204271.13	166.364582	-0.27074	0.437374	-0.61901	0.535911
ENSG00000165626.17	166.3820137	0.082058	0.454695	0.180468	0.856785
ENSG00000172197.11	166.4327142	0.20542	0.48956	0.419602	0.674777
ENSG00000254685.6	166.4932578	-0.61658	0.439715	-1.40222	0.160848
ENSG00000177853.14	166.5089283	-0.03654	0.42749	-0.08548	0.931876
ENSG00000158636.16	166.5245865	0.313395	0.438668	0.714423	0.474966
ENSG00000126870.16	166.5298107	0.044764	0.414064	0.108108	0.91391
ENSG00000177548.13	166.5716069	0.460117	0.43818	1.050065	0.293688
ENSG00000084070.12	166.5937866	0.447329	0.430744	1.038504	0.299036
ENSG00000171132.14	166.8234861	0.281037	0.482926	0.581947	0.560602
ENSG00000110171.20	166.8493826	0.273937	0.436864	0.627052	0.530625
ENSG00000138639.18	166.8547603	0.086149	0.418595	0.205805	0.836943
ENSG00000142273.13	166.8840078	-0.16505	0.44011	-0.37502	0.707647
ENSG00000036828.17	166.8916947	-0.52658	0.445837	-1.18111	0.237561
ENSG00000130363.12	167.0158739	-0.67766	0.417647	-1.62256	0.104685
ENSG00000003509.16	167.1369042	-0.28745	0.429918	-0.66861	0.503744
ENSG00000189369.9	167.144097	0.284193	0.419352	0.677695	0.497965
ENSG00000156299.13	167.1489348	-0.15828	0.47669	-0.33205	0.739855
ENSG00000204564.12	167.1864727	-0.45133	0.441855	-1.02144	0.307046
ENSG00000165118.15	167.2176367	-0.03764	0.417536	-0.09014	0.928174
ENSG00000051128.19	167.2619627	1.118961	0.42722	2.619168	0.008814
ENSG00000013392.8	167.2977093	-0.55999	0.461434	-1.21358	0.224907
ENSG00000167182.15	167.3062568	-0.06767	0.447818	-0.15112	0.879885
ENSG00000121964.14	167.3124207	-0.38146	0.468193	-0.81475	0.415214
ENSG00000075711.21	167.3235977	-0.04391	0.411962	-0.10659	0.915113
ENSG00000131080.15	167.3248038	-0.48589	0.431124	-1.12703	0.259731
ENSG00000110811.20	167.3467593	0.469495	0.434511	1.080514	0.279914
ENSG00000151376.16	167.377303	-0.37377	0.423249	-0.8831	0.377185
ENSG00000185946.16	167.4186745	-0.34448	0.451426	-0.7631	0.445403
ENSG00000171103.11	167.4267196	-0.03159	0.418414	-0.0755	0.939821
ENSG00000196967.11	167.4301339	0.236732	0.411861	0.574787	0.565435
ENSG00000240891.8	167.4553846	0.212762	0.422651	0.503399	0.614684
ENSG00000134262.13	167.4567737	0.184054	0.431764	0.426283	0.669901
ENSG00000141026.6	167.4650467	0.191691	0.410107	0.467417	0.640202
ENSG00000129472.15	167.4877602	-0.71717	0.44204	-1.62241	0.104716
ENSG00000164338.10	167.498156	-0.2389	0.439077	-0.54409	0.586379
ENSG00000104687.14	167.5100609	0.183287	0.491604	0.372835	0.709271
ENSG00000244198.7	167.5113377	-0.25496	0.433506	-0.58813	0.556448
ENSG00000130684.14	167.5629657	-0.36841	0.438273	-0.84061	0.400569
ENSG00000215126.10	167.6006172	-0.7024	0.41581	-1.68923	0.091175
ENSG00000105325.14	167.6485571	-0.0151	0.430902	-0.03503	0.972055
ENSG00000274265.5	167.6499121	0.332176	0.481734	0.689541	0.490483
ENSG00000112541.16	167.8316803	0.636429	0.422414	1.506647	0.131901

ENSG00000126005.17	167.8361067	0.337189	0.420512	0.801852	0.422639
ENSG00000026297.16	167.8908591	-0.59861	0.428328	-1.39756	0.162245
ENSG00000163472.19	167.9509234	-0.01098	0.429474	-0.02557	0.979602
ENSG00000179981.11	167.976666	0.379641	0.425956	0.891269	0.372785
ENSG00000100577.19	167.9810772	-0.02869	0.457561	-0.0627	0.950006
ENSG00000178188.14	168.0265263	-0.03206	0.481829	-0.06655	0.946942
ENSG00000263528.8	168.1481629	-0.46415	0.508362	-0.91303	0.361227
ENSG00000125845.7	168.2735614	0.651293	0.445377	1.46234	0.143648
ENSG00000124181.14	168.3700982	-0.0218	0.431735	-0.05049	0.959736
ENSG00000133243.10	168.4141187	0.690969	0.425383	1.624348	0.104302
ENSG00000100207.19	168.4391564	0.314472	0.411036	0.765071	0.444229
ENSG00000105287.12	168.4552335	0.227378	0.495245	0.459122	0.646146
ENSG00000117461.15	168.5244157	-0.0224	0.447256	-0.05009	0.960053
ENSG00000179476.8	168.5547322	-0.52926	0.483213	-1.0953	0.273387
ENSG00000005007.13	168.5724712	0.753074	0.423893	1.776568	0.075639
ENSG00000138439.12	168.6103015	-0.73209	0.460444	-1.58997	0.111842
ENSG00000089094.19	168.6417986	0.66234	0.431889	1.533587	0.125131
ENSG00000107077.19	168.7132117	-0.37529	0.425299	-0.88241	0.377555
ENSG00000162302.13	168.7187235	0.50949	0.503553	1.011791	0.311638
ENSG00000161847.14	168.8855726	-0.19701	0.702933	-0.28027	0.77927
ENSG00000137449.16	169.038757	-0.09484	0.482496	-0.19655	0.844176
ENSG00000139974.16	169.0582848	0.035471	0.423158	0.083824	0.933196
ENSG00000157014.11	169.1709047	0.524096	0.449424	1.166149	0.243554
ENSG00000135097.7	169.1716879	-0.35796	0.633277	-0.56525	0.571906
ENSG00000108599.15	169.1791535	-0.95046	0.418064	-2.27349	0.022997
ENSG00000167291.16	169.2376574	0.342472	0.431577	0.793537	0.427465
ENSG00000276234.5	169.25281	-0.31385	0.440982	-0.7117	0.476648
ENSG00000065621.15	169.2817476	-0.14211	0.414057	-0.34322	0.731435
ENSG00000079215.14	169.2935699	-0.74727	0.479161	-1.55954	0.118868
ENSG00000121361.5	169.3142001	0.338397	0.508077	0.666036	0.505388
ENSG00000108799.13	169.3451685	-0.33502	0.415366	-0.80657	0.419917
ENSG00000102218.6	169.4214374	-0.72545	0.498653	-1.45481	0.145721
ENSG00000237714.1	169.4473464	0.014664	0.410261	0.035743	0.971487
ENSG00000065970.9	169.5357953	-0.1287	0.411313	-0.31291	0.754352
ENSG00000257698.2	169.5385789	-0.13802	0.416921	-0.33104	0.740617
ENSG00000197857.14	169.6146707	0.027246	0.480029	0.056758	0.954738
ENSG00000181634.8	169.6674039	-0.19256	0.415451	-0.4635	0.643005
ENSG00000034693.15	169.7019619	-0.62817	0.520833	-1.20608	0.227786
ENSG00000167625.11	169.8174032	-0.54322	0.439257	-1.23667	0.216209
ENSG00000282034.1	169.823797	0.116515	0.412504	0.282459	0.777592
ENSG00000167536.14	169.9084093	-0.31694	0.412866	-0.76766	0.442691
ENSG00000149090.12	169.9318597	0.070172	0.457822	0.153273	0.878183
ENSG00000225190.11	169.9365456	0.61188	0.414056	1.477772	0.139469
ENSG00000089356.18	170.0327374	-0.31788	0.470141	-0.67613	0.498958
ENSG00000123600.20	170.0858937	-1.06351	0.469182	-2.26673	0.023406
ENSG00000131127.14	170.0973398	0.070895	0.47704	0.148614	0.881858
ENSG00000182484.15	170.1073324	-0.65365	0.411584	-1.58814	0.112255
ENSG00000011638.10	170.3346389	-0.25012	0.457713	-0.54645	0.584758
ENSG00000185875.13	170.402377	-1.01895	0.465657	-2.18821	0.028654
ENSG00000121671.12	170.4092263	-0.39487	0.422944	-0.93361	0.350504
ENSG00000177169.10	170.459835	0.325252	0.469198	0.693208	0.488179
ENSG00000224660.2	170.5003552	-0.04887	0.445267	-0.10976	0.912601

ENSG00000171467.16	170.5116618	0.502685	0.463341	1.084914	0.27796
ENSG00000172469.16	170.5640294	-0.21352	0.468016	-0.45621	0.648236
ENSG00000254004.7	170.6939964	-0.5421	0.441045	-1.22913	0.219022
ENSG00000204348.10	170.7590553	-0.38415	0.421729	-0.9109	0.362349
ENSG00000162377.6	170.7884793	-0.51504	0.438577	-1.17433	0.240261
ENSG00000160917.15	170.8778485	0.141122	0.445247	0.316953	0.75128
ENSG00000160401.15	170.9973181	0.227696	0.418847	0.543625	0.586699
ENSG00000183340.7	171.0391356	0.2893	0.44668	0.647668	0.5172
ENSG00000177034.17	171.0914836	-0.34731	0.416077	-0.83474	0.403866
ENSG00000267100.1	171.0954552	0.693291	0.53666	1.291861	0.196405
ENSG00000125966.10	171.3006851	-0.0715	0.455365	-0.15702	0.875226
ENSG00000170458.14	171.3111088	-0.23201	0.441515	-0.52549	0.599244
ENSG00000120029.13	171.3355724	0.2196	0.412765	0.532021	0.594711
ENSG00000178971.16	171.3574577	-0.5164	0.439226	-1.17571	0.239709
ENSG00000163964.16	171.3657954	0.180734	0.465364	0.388372	0.697741
ENSG00000170734.12	171.3667977	0.082139	0.414217	0.198299	0.842811
ENSG00000143458.12	171.4996066	-0.48423	0.424106	-1.14176	0.253552
ENSG00000013293.6	171.517383	-0.19862	0.453506	-0.43797	0.661408
ENSG00000119509.13	171.5713505	-0.27196	0.435413	-0.62461	0.53223
ENSG00000166716.10	171.5827021	0.211141	0.410482	0.514375	0.60699
ENSG00000198252.12	171.609051	-0.68864	0.432966	-1.59053	0.111716
ENSG00000161544.10	171.6488219	0.504525	0.418703	1.204972	0.228214
ENSG00000196968.11	171.6682292	-0.07749	0.447992	-0.17298	0.862668
ENSG00000130818.12	171.7129367	0.171134	0.412054	0.415319	0.677909
ENSG00000170312.16	171.7152612	0.545907	0.474512	1.150459	0.249955
ENSG00000062822.15	171.7157901	0.949892	0.468187	2.028871	0.042471
ENSG00000164162.14	171.8706363	-0.50751	0.43943	-1.15492	0.248123
ENSG00000108819.11	171.8972919	0.524145	0.418604	1.252125	0.210524
ENSG00000009830.12	171.9405777	0.159341	0.43522	0.366116	0.714279
ENSG00000154920.15	171.9802963	0.405069	0.453571	0.893066	0.371822
ENSG00000146263.11	171.9886294	-0.07644	0.415648	-0.18392	0.85408
ENSG00000077044.11	171.9938933	0.348728	0.440307	0.79201	0.428355
ENSG00000122176.12	172.0537075	0.388518	0.423142	0.918174	0.358528
ENSG00000167380.16	172.0642523	-0.28783	0.408104	-0.70528	0.480636
ENSG00000148300.12	172.1149202	0.717784	0.423926	1.693183	0.090421
ENSG00000167447.12	172.2408154	0.012492	0.43251	0.028883	0.976958
ENSG00000264578.1	172.3063653	-0.11056	0.428665	-0.25793	0.796463
ENSG00000198055.11	172.3287478	0.424316	0.416081	1.019792	0.307827
ENSG00000169762.17	172.3991845	-0.28571	0.411977	-0.69352	0.487984
ENSG00000158856.18	172.4231115	-0.05442	0.407559	-0.13352	0.893782
ENSG00000169696.16	172.4315183	0.268198	0.436353	0.614634	0.538796
ENSG00000273247.5	172.4884003	-0.23964	0.456905	-0.5245	0.599934
ENSG00000110046.13	172.6432351	1.156875	0.461499	2.506778	0.012184
ENSG00000160055.20	172.6550626	-0.29783	0.42847	-0.69511	0.486989
ENSG00000123496.8	172.6619783	-0.7174	0.533517	-1.34467	0.178733
ENSG00000137135.18	172.739521	-0.14235	0.443418	-0.32103	0.748186
ENSG00000172236.17	172.808087	0.120108	0.658957	0.18227	0.855371
ENSG00000087269.16	172.8575747	0.261514	0.438978	0.595733	0.551354
ENSG00000169299.14	172.8800867	-0.33333	0.427681	-0.77939	0.435748
ENSG00000167962.14	172.8976784	0.429733	0.417329	1.029723	0.30314
ENSG00000084731.15	172.9375455	-0.26688	0.411242	-0.64896	0.516366
ENSG00000084774.14	173.0953736	-0.21818	0.42523	-0.51309	0.607889

ENSG00000124615.20	173.1292008	-0.38177	0.435744	-0.87613	0.38096
ENSG00000153029.14	173.1495923	-0.03688	0.413455	-0.08921	0.928918
ENSG00000263276.1	173.1581372	-0.15768	0.465302	-0.33888	0.734698
ENSG00000196911.11	173.1710385	-0.37026	0.463438	-0.79894	0.424323
ENSG00000139160.13	173.3337961	-0.36618	0.411036	-0.89087	0.372998
ENSG00000169718.18	173.3745191	0.876893	0.4353	2.014458	0.043962
ENSG00000141295.14	173.3938957	-0.0603	0.442141	-0.13637	0.891528
ENSG00000133114.18	173.4172186	0.414206	0.421016	0.983826	0.325201
ENSG00000162627.17	173.5345955	-0.06309	0.421941	-0.14951	0.881147
ENSG00000178694.10	173.5758623	-0.43424	0.432955	-1.00298	0.31587
ENSG00000164715.6	173.5967838	-0.09055	0.438089	-0.2067	0.836244
ENSG00000144677.15	173.6357313	0.563253	0.424488	1.326897	0.184543
ENSG00000223865.11	173.6391528	-0.37159	0.422967	-0.87854	0.379649
ENSG00000132953.16	173.7172793	-0.15903	0.467083	-0.34048	0.733499
ENSG00000122674.12	173.7786539	0.238636	0.489076	0.487932	0.625598
ENSG00000036672.16	173.8442024	-0.63575	0.413283	-1.5383	0.123975
ENSG00000010072.16	173.9280013	-0.45733	0.467942	-0.97732	0.328408
ENSG00000205176.3	173.9678587	2.774788	1.705028	1.627415	0.103649
ENSG00000116191.17	173.9953516	-0.16709	0.410439	-0.40711	0.683926
ENSG00000121900.19	174.0300536	0.7652	0.438865	1.743588	0.081231
ENSG00000139323.14	174.0716259	-0.51462	0.442049	-1.16418	0.244353
ENSG00000112246.10	174.0785384	-0.05987	0.452926	-0.13219	0.894832
ENSG00000162086.16	174.1451006	-0.29036	0.419037	-0.69293	0.488353
ENSG00000078319.10	174.1637596	0.113756	0.406463	0.279868	0.779578
ENSG00000164649.20	174.2118956	0.477741	0.415364	1.150174	0.250072
ENSG00000160404.18	174.2322428	-0.78107	0.449989	-1.73575	0.082609
ENSG00000137166.15	174.3432947	0.153694	0.433533	0.354515	0.722953
ENSG00000226067.7	174.4136813	-0.16619	0.465916	-0.3567	0.721314
ENSG00000168813.17	174.5325648	-0.50752	0.478184	-1.06134	0.288533
ENSG00000164074.15	174.5552201	-1.3189	0.456822	-2.88712	0.003888
ENSG00000102882.12	174.5678564	0.860918	0.416527	2.066896	0.038744
ENSG00000104885.18	174.5746909	0.68536	0.488157	1.403974	0.160327
ENSG00000110080.19	174.5892344	-0.29489	0.47905	-0.61558	0.538175
ENSG00000159248.5	174.637542	-0.34667	0.688348	-0.50363	0.614521
ENSG00000073849.15	174.7326587	-0.32475	0.409215	-0.7936	0.42743
ENSG00000068308.13	174.7930592	0.464084	0.407551	1.138714	0.254822
ENSG00000006459.11	174.8578667	-0.21071	0.447271	-0.47109	0.637573
ENSG00000148297.16	174.8691557	0.404122	0.481545	0.839219	0.401346
ENSG00000162601.11	174.9079513	-0.17138	0.455268	-0.37643	0.706598
ENSG00000125249.7	174.9382511	0.187766	0.440987	0.425786	0.670264
ENSG00000164535.15	174.9824206	-0.15728	0.418198	-0.37609	0.706847
ENSG00000107890.17	175.0143868	0.473012	0.465214	1.016762	0.309267
ENSG00000149929.16	175.0858462	-0.0193	0.417212	-0.04625	0.963111
ENSG00000138604.10	175.091942	-0.3822	0.463597	-0.82442	0.409703
ENSG00000179241.13	175.1400588	-0.62826	0.463241	-1.35622	0.175028
ENSG00000138640.15	175.1736292	0.224047	0.42501	0.527157	0.598085
ENSG00000154370.16	175.186161	0.483535	0.406208	1.190362	0.233904
ENSG00000116273.6	175.4428421	-0.3146	0.412293	-0.76304	0.445439
ENSG00000180953.11	175.5038053	0.30849	0.435266	0.708738	0.478487
ENSG00000031081.11	175.5175654	-0.14881	0.484287	-0.30727	0.758636
ENSG00000287387.1	175.5877836	-0.28968	0.427625	-0.67741	0.498149
ENSG00000165675.16	175.6842056	0.023753	0.439009	0.054106	0.95685

ENSG00000124444.16	175.7705194	0.236828	0.407794	0.580754	0.561406
ENSG00000156374.16	175.7977016	-0.35156	0.414391	-0.84839	0.396222
ENSG00000186625.14	175.8249245	-0.62955	0.436127	-1.44349	0.148882
ENSG00000258890.7	175.8279992	-0.28257	0.420068	-0.67267	0.501155
ENSG00000165392.11	175.8525324	-0.68278	0.425633	-1.60415	0.10868
ENSG00000167257.11	175.9462115	-0.21975	0.414092	-0.53068	0.595641
ENSG00000104299.15	176.0410343	-0.2116	0.412454	-0.51303	0.607927
ENSG00000185404.16	176.0692633	-0.14317	0.405952	-0.35268	0.724327
ENSG00000137414.6	176.103564	-0.04025	0.445723	-0.09031	0.928042
ENSG00000100376.12	176.1154294	0.095239	0.428993	0.222007	0.824309
ENSG00000165125.21	176.1395672	-0.00518	0.420957	-0.01231	0.990175
ENSG00000169972.12	176.1550458	-0.04932	0.410684	-0.1201	0.904402
ENSG00000205213.14	176.2561105	0.09046	0.413144	0.218955	0.826685
ENSG00000011454.18	176.4747251	-0.4136	0.449199	-0.92075	0.357181
ENSG00000274523.5	176.4958033	0.208101	0.465553	0.446997	0.654877
ENSG00000205502.4	176.5146771	0.142089	0.464912	0.305626	0.75989
ENSG00000189227.6	176.5426691	0.213103	0.526331	0.404884	0.685563
ENSG00000160193.12	176.575449	0.222698	0.41879	0.531765	0.594889
ENSG00000113595.15	176.7059801	-0.19443	0.42675	-0.4556	0.64868
ENSG00000182022.18	176.7202304	-0.7037	0.408141	-1.72416	0.084678
ENSG00000125386.16	176.7209458	0.045605	0.425849	0.107092	0.914716
ENSG00000111276.11	176.7713283	-0.2194	0.414002	-0.52994	0.596155
ENSG00000254680.1	176.8254939	-0.26387	0.443361	-0.59516	0.551738
ENSG00000010292.13	176.8581133	0.288472	0.411344	0.701292	0.483121
ENSG00000198648.11	176.9171154	0.461739	0.413985	1.115353	0.264699
ENSG00000142039.4	176.9272998	-0.0618	0.41147	-0.15019	0.880614
ENSG00000131269.19	176.9274938	-0.17908	0.413796	-0.43278	0.665174
ENSG00000099377.14	176.9461581	-0.04851	0.458308	-0.10585	0.915703
ENSG00000198551.10	176.9829176	-0.15414	0.426979	-0.36099	0.718106
ENSG00000169740.14	176.9853642	-0.66356	0.453389	-1.46355	0.143316
ENSG00000197136.4	176.9898632	0.103523	0.438035	0.236335	0.813173
ENSG00000117481.10	176.9961229	-0.33399	0.441527	-0.75645	0.44938
ENSG00000169629.12	177.0111631	-1.22521	0.588617	-2.08151	0.037387
ENSG00000132434.9	177.034183	0.169892	0.446166	0.380781	0.703366
ENSG00000073910.22	177.0897784	0.249764	0.463608	0.53874	0.590066
ENSG00000240225.10	177.0943097	-0.4096	0.410766	-0.99715	0.318692
ENSG00000099991.18	177.115235	0.172583	0.410888	0.420025	0.674467
ENSG00000197147.14	177.1648033	-0.16453	0.411489	-0.39983	0.689281
ENSG00000164610.9	177.2260355	-0.12469	0.406509	-0.30674	0.75904
ENSG00000107829.15	177.2267872	-0.31221	0.407721	-0.76576	0.443821
ENSG00000140006.11	177.2416957	-0.53723	0.444066	-1.20981	0.226353
ENSG00000115827.14	177.2644195	-0.80803	0.461804	-1.74974	0.080164
ENSG00000070950.10	177.2909178	-0.46916	0.421314	-1.11357	0.265462
ENSG00000176422.14	177.4382862	0.24773	0.429563	0.576702	0.564141
ENSG00000084444.14	177.474225	-0.61698	0.424033	-1.45504	0.145659
ENSG00000161021.13	177.6092634	-0.04016	0.418627	-0.09594	0.923565
ENSG00000100321.15	177.6511908	-0.36104	0.473927	-0.76181	0.446175
ENSG00000079150.18	177.6666813	-0.39674	0.421157	-0.94203	0.346178
ENSG00000277258.5	177.6809908	-0.04095	0.434083	-0.09433	0.924844
ENSG00000130713.16	177.6825491	-0.08219	0.408401	-0.20125	0.840502
ENSG00000087085.15	177.7356948	-0.08386	0.426918	-0.19643	0.844274
ENSG00000050555.18	177.8476734	0.402707	0.485655	0.829205	0.406989

ENSG00000138744.16	177.8524638	-0.30796	0.413627	-0.74453	0.456558
ENSG00000163820.15	177.9251732	-0.41176	0.413847	-0.99495	0.31976
ENSG00000157657.14	177.9469963	0.429739	0.427573	1.005066	0.314865
ENSG00000143409.15	177.9746239	-0.43517	0.448547	-0.97018	0.331958
ENSG00000103024.7	177.9850325	0.027227	0.425428	0.064	0.948971
ENSG00000215424.10	177.999785	0.541634	0.45932	1.179209	0.238315
ENSG00000110237.5	178.1438727	0.42337	0.470002	0.900784	0.367703
ENSG00000162076.13	178.175702	-0.44331	0.416305	-1.06486	0.286939
ENSG00000177096.9	178.2333577	-0.4885	0.524706	-0.93099	0.351857
ENSG00000137944.18	178.303396	-0.58258	0.426493	-1.36598	0.171944
ENSG00000105866.15	178.3851908	-0.21451	0.524748	-0.40878	0.682701
ENSG00000147100.11	178.4529751	-0.03606	0.508284	-0.07094	0.943443
ENSG00000121440.15	178.4818712	0.392673	0.429168	0.914963	0.360211
ENSG00000104497.14	178.5678161	-0.67786	0.43861	-1.54547	0.122233
ENSG00000069943.10	178.6709655	-0.48634	0.417283	-1.16548	0.243825
ENSG00000115275.14	178.7183125	0.31127	0.415813	0.748582	0.454109
ENSG00000102921.8	178.7200034	-0.20392	0.418298	-0.4875	0.625903
ENSG00000182208.14	178.8532944	-0.06223	0.420301	-0.14805	0.8823
ENSG00000106524.9	178.8757454	-0.81243	0.439399	-1.84895	0.064466
ENSG00000130024.15	178.8842551	0.294248	0.435435	0.675756	0.499195
ENSG00000163121.10	178.901128	-0.24461	0.439496	-0.55658	0.577815
ENSG00000287160.1	178.9489041	1.277812	0.52758	2.422024	0.015434
ENSG00000096717.12	178.9501715	-0.11328	0.425842	-0.26601	0.790232
ENSG00000246067.8	179.12298	0.186779	0.404332	0.461945	0.644121
ENSG00000127399.15	179.2897764	0.291376	0.463335	0.628867	0.529436
ENSG00000155100.11	179.3233595	-0.54202	0.419116	-1.29324	0.195929
ENSG00000102781.14	179.3277801	-0.19851	0.4339	-0.45749	0.647316
ENSG00000116199.12	179.3318385	0.479013	0.42622	1.123866	0.26107
ENSG00000111261.14	179.4084377	-0.61426	0.540947	-1.13553	0.256151
ENSG00000158792.16	179.4845024	-0.43743	0.481439	-0.90859	0.363564
ENSG00000175198.17	179.4870736	0.115038	0.418523	0.274866	0.783419
ENSG00000066629.18	179.5198899	0.467205	0.423985	1.101936	0.270489
ENSG00000141664.10	179.5711182	-0.50399	0.407865	-1.23568	0.216578
ENSG00000148737.17	179.5816751	-0.11791	0.408662	-0.28852	0.772951
ENSG00000196850.6	179.750058	0.247312	0.431963	0.57253	0.566963
ENSG00000186312.10	179.7621712	-0.3341	0.415926	-0.80327	0.421821
ENSG00000068354.16	179.7726895	-0.92653	0.517748	-1.78955	0.073527
ENSG00000092978.11	179.7905401	0.016116	0.405146	0.039779	0.96827
ENSG00000115998.7	179.8012702	-0.26432	0.419481	-0.63011	0.52862
ENSG00000065457.10	179.8224049	-0.14155	0.40689	-0.34787	0.727936
ENSG00000182107.7	179.9483744	0.185991	0.404003	0.460369	0.645251
ENSG00000173614.14	180.1975107	-0.20717	0.405769	-0.51056	0.609662
ENSG00000156162.16	180.2426495	-0.46979	0.408645	-1.14963	0.250296
ENSG00000250366.2	180.2729555	-0.23462	0.555879	-0.42206	0.67298
ENSG00000102890.16	180.2955267	-0.19084	0.421786	-0.45246	0.650934
ENSG00000125352.6	180.3060571	0.006318	0.430567	0.014673	0.988293
ENSG00000039139.9	180.3459055	-1.29976	0.547356	-2.37461	0.017567
ENSG00000152404.15	180.4056078	0.177789	0.465117	0.382245	0.70228
ENSG00000135929.9	180.4160962	-0.37395	0.427119	-0.87552	0.381291
ENSG00000132429.10	180.4823055	-0.34082	0.468519	-0.72743	0.46696
ENSG00000165644.11	180.5151336	0.220859	0.413727	0.533827	0.593461
ENSG00000124006.15	180.56769	0.060736	0.416258	0.14591	0.883993

ENSG00000117114.20	180.5703907	0.159571	0.413148	0.386231	0.699325
ENSG00000198026.8	180.6064494	0.073292	0.416763	0.175861	0.860403
ENSG00000137261.14	180.7629068	-0.17817	0.413705	-0.43068	0.666701
ENSG00000155545.20	180.7814994	-0.21599	0.410918	-0.52562	0.599154
ENSG00000162493.16	180.8058139	-0.46504	0.459631	-1.01176	0.311654
ENSG00000119917.14	180.8833309	-0.06376	0.422612	-0.15087	0.880076
ENSG00000213672.8	180.9045983	-0.45299	0.484483	-0.93499	0.349794
ENSG00000266173.7	180.9224217	-0.3976	0.407972	-0.97458	0.329768
ENSG00000181264.9	180.9668621	0.11519	0.4095	0.281294	0.778485
ENSG00000165501.17	180.9687915	0.310488	0.410649	0.756092	0.449594
ENSG00000276291.5	181.0624998	-0.13283	0.465985	-0.28506	0.775599
ENSG00000137310.12	181.0757653	0.040135	0.450271	0.089134	0.928975
ENSG00000179564.4	181.0914125	0.087234	0.403251	0.216328	0.828732
ENSG00000180667.10	181.1237031	-0.41201	0.464686	-0.88665	0.375268
ENSG00000154917.11	181.2925473	-1.06739	0.485717	-2.19754	0.027982
ENSG00000113300.13	181.2955306	0.215324	0.409521	0.525796	0.59903
ENSG00000277053.4	181.3441853	0.068748	0.404307	0.170039	0.864979
ENSG00000174567.8	181.3954302	0.133242	0.41152	0.32378	0.746105
ENSG00000197859.11	181.4029781	-0.16191	0.468908	-0.3453	0.729871
ENSG00000113761.12	181.4203747	-0.62218	0.494432	-1.25837	0.20826
ENSG00000198517.10	181.4950501	0.812306	0.406694	1.997341	0.045788
ENSG00000111358.14	181.5946384	-1.04228	0.412366	-2.52756	0.011486
ENSG00000141012.13	181.8047554	-0.27619	0.410196	-0.67331	0.500752
ENSG00000137269.15	181.8571131	-0.59763	0.405649	-1.47328	0.140676
ENSG00000213853.10	181.8923127	0.053114	0.43478	0.122162	0.902771
ENSG00000162438.12	181.9033128	0.101642	0.512052	0.1985	0.842654
ENSG00000271581.1	181.92722	-0.80814	0.4588	-1.76142	0.078167
ENSG00000139263.12	181.9600618	-0.28157	0.418457	-0.67287	0.501031
ENSG00000163635.20	182.0530339	0.412577	0.417068	0.989232	0.322549
ENSG00000255737.2	182.0558285	-0.58409	0.529807	-1.10247	0.270259
ENSG00000215154.6	182.1665033	-0.73391	0.409428	-1.79252	0.07305
ENSG00000048707.15	182.2202801	-0.19363	0.411983	-0.46999	0.638365
ENSG00000270231.4	182.3082826	0.127977	0.424886	0.301203	0.76326
ENSG00000198846.6	182.327655	-0.6686	0.480226	-1.39226	0.163843
ENSG00000049246.14	182.4381232	-0.46209	0.416005	-1.11077	0.266667
ENSG00000160959.8	182.4807891	0.067385	0.440216	0.153073	0.878341
ENSG00000134259.5	182.5019813	-0.3359	0.411116	-0.81704	0.413903
ENSG00000171766.17	182.5807189	-0.26106	0.462751	-0.56414	0.57266
ENSG00000049192.15	182.6533035	0.512686	0.45158	1.135317	0.256243
ENSG00000021574.13	182.7506592	-0.42396	0.418246	-1.01366	0.310747
ENSG00000142634.13	182.7850447	1.418042	0.447779	3.166831	0.001541
ENSG00000109466.14	182.8317057	0.120971	0.420221	0.287875	0.773442
ENSG00000110925.7	182.9065277	0.120799	0.406161	0.297416	0.766149
ENSG00000156697.13	183.0550051	0.291018	0.404046	0.72026	0.471365
ENSG00000165355.7	183.0815551	-0.40801	0.430802	-0.9471	0.34359
ENSG00000112242.15	183.1389116	-0.08092	0.406127	-0.19924	0.842071
ENSG00000138036.18	183.1568497	-0.84833	0.423617	-2.0026	0.04522
ENSG00000196517.13	183.2695607	-0.81721	0.43532	-1.87726	0.060482
ENSG00000153975.10	183.3053422	-0.07154	0.408366	-0.17519	0.860929
ENSG00000204371.11	183.359318	0.512916	0.406832	1.260757	0.207397
ENSG00000267484.1	183.4812709	0.704006	0.415135	1.695847	0.089915
ENSG00000148344.11	183.5686709	-0.24541	0.469139	-0.52312	0.600893

ENSG00000186470.14	183.5980116	-0.15006	0.428865	-0.34991	0.726406
ENSG00000125351.12	183.6083488	0.297474	0.402446	0.739167	0.459806
ENSG00000167685.15	183.6489171	0.329615	0.45307	0.727515	0.466911
ENSG00000244005.13	183.66202	0.018777	0.403777	0.046504	0.962909
ENSG00000178171.11	183.7223604	-0.36567	0.582919	-0.6273	0.530463
ENSG00000167967.16	183.7286157	-0.08491	0.430811	-0.19709	0.843754
ENSG00000137033.11	183.7310283	0.959853	0.553384	1.734516	0.082827
ENSG00000135218.19	183.7473192	0.036366	0.426582	0.08525	0.932063
ENSG00000170456.16	183.8014237	0.276933	0.490702	0.564361	0.572508
ENSG00000253102.1	183.8168639	-0.19114	0.423821	-0.451	0.651993
ENSG00000214944.9	183.8460235	-0.08168	0.40337	-0.2025	0.839527
ENSG00000168807.16	183.8680959	1.271856	0.464582	2.737636	0.006188
ENSG00000108244.17	183.9304223	-0.10142	0.582261	-0.17419	0.86172
ENSG00000116663.11	183.941483	-0.79221	0.419128	-1.89015	0.058738
ENSG00000031003.10	184.0869784	-0.5859	0.428985	-1.36578	0.172008
ENSG00000096872.16	184.0979272	-0.63075	0.432267	-1.45917	0.144518
ENSG00000186174.12	184.3315844	0.617488	0.459269	1.344503	0.178786
ENSG00000228925.1	184.3401527	0.226301	0.431097	0.524942	0.599623
ENSG00000105699.16	184.4264	0.247339	0.424011	0.583331	0.559671
ENSG00000138399.18	184.4460389	-0.054	0.418586	-0.129	0.897361
ENSG00000164758.7	184.5256016	-0.60518	0.436535	-1.38634	0.165644
ENSG00000149260.18	184.5750145	-1.13208	0.443881	-2.55042	0.010759
ENSG00000254665.1	184.6198387	0.375943	0.418804	0.897659	0.369367
ENSG00000217930.8	184.6615746	-0.06582	0.420202	-0.15663	0.875535
ENSG00000171100.15	184.6691037	-1.04903	0.491351	-2.13499	0.032762
ENSG00000141219.15	184.7309559	0.140024	0.422491	0.331424	0.740324
ENSG00000259024.6	184.78703	-0.85135	0.446395	-1.90718	0.056498
ENSG00000168566.13	184.8274738	-0.77847	0.406546	-1.91483	0.055514
ENSG00000249669.10	184.8298084	0.362582	0.414384	0.87499	0.381579
ENSG00000163348.4	184.862125	0.145664	0.524055	0.277956	0.781046
ENSG00000278768.2	184.8627439	-0.89001	0.564119	-1.57771	0.114633
ENSG00000137492.8	184.9153883	0.396845	0.413619	0.959444	0.337335
ENSG00000107816.17	184.9484004	0.485736	0.411583	1.180166	0.237934
ENSG00000157107.14	185.0998592	-1.1012	0.410406	-2.68319	0.007292
ENSG00000176248.9	185.1485145	0.293451	0.421407	0.696361	0.486203
ENSG00000136141.15	185.149304	0.053884	0.41599	0.129531	0.896937
ENSG00000196588.19	185.2137197	0.043181	0.417878	0.103333	0.917699
ENSG00000275719.1	185.2182529	-1.11082	0.575437	-1.93039	0.053559
ENSG00000116213.16	185.2321282	-0.5602	0.407592	-1.37442	0.169313
ENSG00000159596.7	185.2923868	-0.02047	0.419796	-0.04875	0.961115
ENSG00000213214.5	185.3189144	0.347131	0.42721	0.812554	0.416474
ENSG00000163322.14	185.3208103	0.221944	0.407093	0.545193	0.585621
ENSG00000245748.1	185.4490471	-0.26246	0.4034	-0.65063	0.515287
ENSG00000170791.18	185.4874199	0.118679	0.417136	0.284509	0.776021
ENSG00000158301.18	185.5237181	-0.12827	0.447354	-0.28673	0.774322
ENSG00000240356.6	185.5307946	0.129193	0.410809	0.314484	0.753154
ENSG00000129245.12	185.5602434	0.34906	0.40155	0.869282	0.384693
ENSG00000044090.10	185.7088805	0.040466	0.475642	0.085077	0.9322
ENSG00000145990.11	185.7543172	-0.2374	0.415186	-0.5718	0.567455
ENSG00000198960.11	185.8016791	-0.2455	0.409869	-0.59898	0.549187
ENSG00000196535.16	185.9498382	0.83734	0.444083	1.885549	0.059356
ENSG00000142655.13	185.9931065	-0.20824	0.407895	-0.51053	0.609681

ENSG00000169379.16	185.9944601	-0.80921	0.471271	-1.71707	0.085966
ENSG00000110395.7	186.1154358	-0.27096	0.403504	-0.67151	0.501897
ENSG00000163781.14	186.1338535	0.78164	0.403937	1.935053	0.052984
ENSG00000122435.10	186.2360307	-0.124	0.435348	-0.28483	0.775771
ENSG00000050327.15	186.3181918	-0.49377	0.408274	-1.20942	0.226503
ENSG00000178163.8	186.3512283	0.094108	0.430429	0.218638	0.826932
ENSG00000275835.5	186.3909421	-0.16385	0.544581	-0.30088	0.763508
ENSG00000198513.13	186.5487935	-0.08156	0.421468	-0.1935	0.846564
ENSG00000184967.7	186.5821632	0.153966	0.413414	0.372426	0.709576
ENSG00000237054.9	186.6209716	-0.27529	0.431682	-0.63772	0.523658
ENSG00000198464.14	186.6227179	0.04432	0.450162	0.098453	0.921573
ENSG00000125820.6	186.8422076	-0.2228	0.622323	-0.35802	0.72033
ENSG00000140043.11	186.8429524	-0.59106	0.41476	-1.42506	0.154141
ENSG00000119772.17	186.9000789	0.387779	0.404759	0.958049	0.338038
ENSG00000241484.9	186.9089819	0.028796	0.508168	0.056667	0.954811
ENSG00000087586.17	187.0494367	0.342231	0.499739	0.68482	0.493458
ENSG00000102967.12	187.0870623	-0.42448	0.425969	-0.99652	0.318999
ENSG00000135245.10	187.0960741	0.333411	0.461202	0.722917	0.469731
ENSG00000150433.9	187.1276264	-0.36682	0.407721	-0.89969	0.368284
ENSG00000152082.15	187.1335696	1.026304	0.406501	2.524727	0.011579
ENSG00000198780.12	187.1388342	-0.75079	0.431368	-1.74049	0.081772
ENSG00000171365.17	187.1517337	-0.80142	0.425434	-1.88378	0.059594
ENSG00000167700.9	187.1653613	0.057495	0.441457	0.130239	0.896377
ENSG00000015532.10	187.1738378	0.008418	0.429727	0.01959	0.984371
ENSG00000149289.11	187.1944033	-0.20363	0.405921	-0.50166	0.615906
ENSG00000215644.10	187.2525736	-0.46025	0.435358	-1.05717	0.290434
ENSG00000082516.9	187.2533837	-0.27073	0.403922	-0.67025	0.502697
ENSG00000242110.8	187.2642525	-0.29437	0.522544	-0.56334	0.573203
ENSG00000181007.9	187.2700622	-0.45277	0.442463	-1.0233	0.306167
ENSG00000176049.16	187.3488815	-0.2879	0.492731	-0.5843	0.559018
ENSG00000119778.15	187.3624272	-0.43693	0.404802	-1.07936	0.280425
ENSG00000198865.10	187.4154357	0.193614	0.436514	0.443545	0.657372
ENSG00000175806.15	187.4794568	-0.14929	0.426445	-0.35008	0.726277
ENSG00000233237.8	187.484128	0.339123	0.422264	0.803106	0.421913
ENSG00000148399.13	187.5679552	-0.41085	0.429847	-0.9558	0.339171
ENSG00000057704.13	187.6180697	-1.12047	0.441971	-2.53517	0.011239
ENSG00000124279.12	187.7164974	-0.47485	0.418216	-1.13542	0.256197
ENSG00000148411.8	187.734108	0.834687	0.403693	2.067629	0.038675
ENSG00000224470.8	187.80781	0.464982	0.467951	0.993657	0.32039
ENSG00000118960.13	187.8090174	-0.03002	0.412524	-0.07277	0.94199
ENSG00000110400.11	187.8163895	0.648008	0.41809	1.549922	0.12116
ENSG00000107404.20	187.8227892	0.736434	0.432514	1.702684	0.088627
ENSG00000186088.16	187.8400594	-0.22683	0.435894	-0.52039	0.602794
ENSG00000072786.13	187.8730657	0.189364	0.426182	0.444328	0.656806
ENSG00000076382.17	187.9683262	1.121079	0.506673	2.21263	0.026923
ENSG00000144579.7	188.0572264	0.424366	0.415562	1.021187	0.307166
ENSG00000185634.12	188.1253453	-0.40285	0.423321	-0.95165	0.341273
ENSG00000131931.8	188.2075535	-0.62221	0.437751	-1.42138	0.155207
ENSG00000180801.14	188.2248095	0.017199	0.452434	0.038014	0.969677
ENSG00000187097.12	188.2739158	-0.54295	0.411078	-1.32079	0.186571
ENSG00000198105.15	188.3071517	-0.01278	0.400944	-0.03188	0.974569
ENSG00000266962.2	188.393869	-0.13339	0.535965	-0.24887	0.80346

ENSG00000124160.12	188.4319862	-0.17216	0.410511	-0.41937	0.674945
ENSG00000174684.7	188.4368401	0.069725	0.438682	0.158941	0.873715
ENSG00000177981.11	188.5288156	-0.36684	0.412717	-0.88885	0.374083
ENSG00000168961.17	188.5521345	-0.68634	0.468617	-1.46461	0.143028
ENSG00000196632.10	188.6560188	-0.23145	0.432919	-0.53463	0.592906
ENSG00000157617.17	188.6842007	0.409579	0.404728	1.011985	0.311545
ENSG00000103145.11	188.8100589	-0.18363	0.438159	-0.4191	0.67514
ENSG00000109189.13	188.8175189	-0.59309	0.413499	-1.43431	0.151482
ENSG00000085433.15	188.8285216	-0.64481	0.484739	-1.33023	0.183443
ENSG00000106133.18	188.8957347	0.132485	0.402034	0.329536	0.741751
ENSG00000123219.13	188.9407945	-0.04612	0.407208	-0.11326	0.909825
ENSG00000163596.16	188.9963562	-0.55829	0.461431	-1.20992	0.226309
ENSG00000100916.14	189.1225027	-0.89603	0.459295	-1.95089	0.05107
ENSG00000074527.13	189.1355277	-0.10826	0.408363	-0.26511	0.790926
ENSG00000006757.12	189.1571693	-0.40325	0.415874	-0.96965	0.33222
ENSG00000137221.14	189.2299479	-0.03981	0.404246	-0.09848	0.921553
ENSG00000104524.14	189.27123	-0.24592	0.51032	-0.48188	0.629888
ENSG00000274211.6	189.2750432	0.037157	0.411507	0.090295	0.928053
ENSG00000104892.17	189.323235	0.035414	0.428392	0.082668	0.934116
ENSG00000166068.13	189.3297666	0.011689	0.428555	0.027276	0.978239
ENSG00000064545.15	189.3455147	-0.12453	0.421097	-0.29572	0.767446
ENSG00000170153.11	189.381697	0.27493	0.521749	0.52694	0.598235
ENSG00000149474.13	189.4448415	-0.58342	0.427875	-1.36352	0.172717
ENSG00000100209.11	189.4480635	-0.08997	0.438797	-0.20503	0.837546
ENSG00000174705.13	189.4537893	0.427232	0.412631	1.035384	0.300489
ENSG00000018699.13	189.4994189	-0.47784	0.428489	-1.11519	0.264771
ENSG00000254901.8	189.6163995	0.082143	0.495202	0.165877	0.868253
ENSG00000130768.15	189.628982	-0.39471	0.407833	-0.96782	0.333134
ENSG00000077348.9	189.7185726	-0.37006	0.427905	-0.86482	0.387138
ENSG00000163832.16	189.7950285	-0.12893	0.403112	-0.31983	0.749098
ENSG00000175182.15	189.8982621	-0.27641	0.413685	-0.66817	0.504026
ENSG00000197646.8	189.9383186	-0.68065	0.496393	-1.3712	0.170313
ENSG00000114315.4	189.9776724	1.759621	0.661894	2.658464	0.00785
ENSG00000184702.20	190.0568357	-1.51853	0.477458	-3.18044	0.001471
ENSG00000145331.14	190.0653298	0.127595	0.481637	0.264919	0.791072
ENSG00000132970.14	190.0717285	-0.26938	0.433905	-0.62083	0.534713
ENSG00000159713.11	190.0887354	-0.37419	0.446251	-0.83853	0.401735
ENSG00000104290.11	190.1267755	-0.53945	0.463063	-1.16496	0.244036
ENSG00000242615.1	190.1323457	-0.39259	0.432891	-0.90691	0.364454
ENSG00000174206.13	190.235227	-0.7536	0.403192	-1.86908	0.061612
ENSG00000185049.16	190.2910634	-0.24297	0.406059	-0.59837	0.549592
ENSG00000165533.19	190.3756684	-0.51743	0.505313	-1.02397	0.30585
ENSG00000104213.13	190.4337793	-0.01009	0.40451	-0.02495	0.980096
ENSG00000164124.11	190.4855992	-0.55659	0.410049	-1.35738	0.174661
ENSG00000226742.4	190.513996	-0.46958	0.427101	-1.09946	0.271566
ENSG00000005882.12	190.6150043	-0.58533	0.441031	-1.3272	0.184444
ENSG00000116809.12	190.6329124	0.194141	0.414819	0.468014	0.639774
ENSG00000125962.14	190.7483681	-0.31636	0.499064	-0.63391	0.526137
ENSG00000132275.11	190.7608098	-0.03874	0.40257	-0.09624	0.923331
ENSG00000248487.9	190.7740792	-0.57356	0.42978	-1.33453	0.182029
ENSG00000137814.12	190.8479984	-0.57585	0.397803	-1.44757	0.147738
ENSG00000196187.12	190.848308	0.093166	0.420808	0.221397	0.824784

ENSG00000011566.15	190.9227903	0.153488	0.399081	0.384604	0.700531
ENSG00000001460.18	190.9953283	-0.0365	0.404905	-0.09015	0.928164
ENSG000000164077.14	191.125343	-0.4546	0.411589	-1.10451	0.269374
ENSG000000169131.13	191.1538364	-0.24548	0.404881	-0.60631	0.544307
ENSG000000257365.8	191.2288209	-0.36435	0.40129	-0.90794	0.363912
ENSG000000146909.8	191.2561386	0.209227	0.438542	0.477098	0.633293
ENSG000000130813.18	191.2729524	-0.34904	0.442152	-0.7894	0.429876
ENSG000000279753.1	191.334624	0.484081	0.433011	1.117943	0.263591
ENSG000000168411.14	191.3374391	0.062498	0.398691	0.156759	0.875435
ENSG000000133612.19	191.3537442	0.742369	0.479148	1.549351	0.121297
ENSG000000132600.17	191.4010215	-0.12393	0.414651	-0.29889	0.765028
ENSG000000120798.17	191.5743796	-0.40355	0.410013	-0.98424	0.324996
ENSG000000079277.22	191.6061816	-0.27353	0.398195	-0.68693	0.492127
ENSG000000164638.10	191.7271972	0.391938	0.404204	0.969653	0.332219
ENSG000000109066.14	191.80986	-0.16149	0.438506	-0.36827	0.71267
ENSG000000137821.12	191.8555453	-0.63465	0.422241	-1.50304	0.132828
ENSG000000197603.15	191.8685923	-0.39452	0.403437	-0.9779	0.328125
ENSG000000086200.17	191.9093525	0.241898	0.410827	0.588808	0.55599
ENSG000000090612.22	191.9730692	-0.14173	0.479841	-0.29537	0.767712
ENSG000000055732.13	192.0152269	-0.57397	0.454694	-1.26233	0.206829
ENSG000000172409.6	192.0295819	-0.37062	0.434191	-0.85359	0.393331
ENSG000000174013.8	192.0433501	-0.19362	0.418028	-0.46317	0.643243
ENSG000000147642.17	192.0696151	-0.71431	0.423239	-1.68773	0.091462
ENSG000000184402.15	192.1107831	-0.20989	0.408814	-0.51341	0.607661
ENSG000000159409.15	192.1264763	-0.84626	0.654745	-1.2925	0.196183
ENSG000000196236.13	192.1389619	0.100392	0.397786	0.252376	0.800751
ENSG000000132394.11	192.2666816	-0.3256	0.479269	-0.67937	0.496906
ENSG000000126259.20	192.2885462	-0.35087	0.525676	-0.66747	0.50447
ENSG000000178401.16	192.3453653	-0.27724	0.479955	-0.57763	0.563511
ENSG000000163002.13	192.4404645	-0.30613	0.451648	-0.67781	0.497891
ENSG000000111450.14	192.7267294	0.699647	0.413599	1.69161	0.09072
ENSG000000176390.12	192.748862	-0.38081	0.418204	-0.91059	0.362511
ENSG000000177485.7	192.7628586	-0.26722	0.432472	-0.61788	0.536656
ENSG000000151229.13	192.7746498	-0.30979	0.42008	-0.73746	0.460844
ENSG000000149948.14	192.7835581	0.77809	0.41405	1.87922	0.060214
ENSG000000133943.20	192.8077368	-0.45317	0.408105	-1.11041	0.26682
ENSG000000130827.6	192.8099032	-0.62651	0.439972	-1.42397	0.154455
ENSG000000132541.11	192.8616862	-0.70455	0.421899	-1.66996	0.094927
ENSG000000130856.16	192.8665555	-0.37766	0.405288	-0.93183	0.351422
ENSG000000168014.16	192.8986651	0.062457	0.403127	0.154931	0.876876
ENSG000000158006.14	192.950679	-0.19685	0.405065	-0.48598	0.626983
ENSG000000119950.21	192.96637	-0.75796	0.423927	-1.78795	0.073785
ENSG000000184489.12	193.0242774	-0.09662	0.478843	-0.20179	0.840085
ENSG000000164970.15	193.0835618	0.422539	0.431652	0.978888	0.327635
ENSG000000185504.17	193.1046891	-0.15361	0.489546	-0.31378	0.753685
ENSG000000103642.12	193.1337944	0.246995	0.431031	0.573034	0.566622
ENSG000000155330.10	193.1917289	-0.50926	0.473835	-1.07477	0.282478
ENSG000000144711.16	193.1918951	-0.03892	0.409439	-0.09505	0.924272
ENSG000000149582.16	193.2024292	-0.32534	0.407619	-0.79815	0.424781
ENSG000000110888.17	193.2171617	0.338847	0.428559	0.790666	0.429139
ENSG000000072310.17	193.3034797	0.746623	0.417043	1.790276	0.07341
ENSG000000178761.15	193.3426687	0.026937	0.417802	0.064474	0.948593

ENSG00000129158.11	193.3578974	-0.50286	0.431369	-1.16573	0.243724
ENSG00000120539.15	193.4403444	-0.09459	0.419484	-0.2255	0.82159
ENSG00000155252.13	193.5187326	0.399985	0.444269	0.900322	0.367949
ENSG00000115942.9	193.5526676	-0.37667	0.427721	-0.88065	0.37851
ENSG00000108389.9	193.5820402	-0.14339	0.402984	-0.35582	0.721978
ENSG00000159792.10	193.6085669	-0.1332	0.507911	-0.26226	0.793122
ENSG00000212747.5	193.6952527	-0.19473	0.49744	-0.39147	0.695447
ENSG00000142751.15	193.7393892	-0.55915	0.427113	-1.30914	0.190487
ENSG00000110013.13	193.8374735	-0.09819	0.404633	-0.24268	0.808256
ENSG00000278791.1	193.8476742	0.291421	0.425335	0.685155	0.493246
ENSG00000010219.13	193.8637433	-0.38598	0.42094	-0.91695	0.359171
ENSG00000156170.13	193.8720882	-0.56174	0.415525	-1.35189	0.17641
ENSG00000128973.13	193.8738724	-0.43725	0.406609	-1.07536	0.282214
ENSG00000134815.19	193.8931483	0.208715	0.410442	0.508513	0.611094
ENSG00000164885.13	193.9201626	-0.15307	0.400916	-0.3818	0.702613
ENSG00000139531.13	193.9426071	-0.04693	0.420962	-0.11147	0.911241
ENSG00000214719.13	193.9556366	-0.45256	0.402426	-1.12457	0.26077
ENSG00000178764.8	193.9569589	-0.36529	0.397336	-0.91934	0.35792
ENSG00000139734.19	193.9807126	0.125736	0.439181	0.286297	0.774651
ENSG00000015568.13	194.0188263	-0.68103	0.534351	-1.2745	0.202485
ENSG00000151458.12	194.1233529	-0.51745	0.43845	-1.18018	0.237928
ENSG00000176209.12	194.1536911	-0.2582	0.409037	-0.63125	0.527877
ENSG00000169926.11	194.1603598	0.939025	0.457458	2.052701	0.040102
ENSG00000212719.13	194.1793276	-0.64783	0.409514	-1.58196	0.113659
ENSG00000185104.20	194.3030205	0.260467	0.419081	0.62152	0.534258
ENSG00000267228.7	194.4374633	0.037826	0.427782	0.088424	0.929539
ENSG00000283196.2	194.4446104	0.227899	0.402924	0.565612	0.571658
ENSG00000172766.19	194.4712939	-0.05215	0.411121	-0.12684	0.89907
ENSG00000186197.15	194.4868306	-0.35954	0.50434	-0.71289	0.475914
ENSG00000115970.18	194.4966907	0.359975	0.401943	0.895585	0.370474
ENSG00000008256.16	194.5164806	0.401152	0.424508	0.944979	0.344669
ENSG00000269609.6	194.5390642	0.704208	0.450929	1.561682	0.118363
ENSG00000197724.11	194.557956	0.11264	0.399855	0.281703	0.778171
ENSG00000144815.16	194.5713041	-0.90452	0.480549	-1.88226	0.0598
ENSG00000198001.14	194.646496	-1.09662	0.46313	-2.36784	0.017892
ENSG00000114735.10	194.6622982	-0.00196	0.428469	-0.00458	0.996346
ENSG00000138821.13	194.7047581	-0.48655	0.437834	-1.11126	0.266456
ENSG00000137504.13	194.7458345	-0.60071	0.402973	-1.49069	0.136043
ENSG00000182841.12	194.8140316	0.455122	0.439737	1.034987	0.300675
ENSG00000130830.15	194.824708	-0.16911	0.412823	-0.40965	0.682063
ENSG00000106780.9	194.8413221	0.092309	0.433048	0.213162	0.8312
ENSG00000188811.14	194.9191209	-0.2769	0.415211	-0.6669	0.504839
ENSG00000278996.1	194.9441728	2.043091	1.306849	1.563372	0.117965
ENSG00000153443.13	194.9582118	0.029505	0.403042	0.073206	0.941642
ENSG00000131910.5	194.9620631	-0.93978	0.437774	-2.14672	0.031816
ENSG00000113240.13	194.9896941	-0.56326	0.422366	-1.33359	0.18234
ENSG00000148143.13	194.9994796	-0.67787	0.413376	-1.63983	0.10104
ENSG000000025156.13	195.0294178	-0.47644	0.406158	-1.17305	0.240777
ENSG00000166881.10	195.0384331	-0.69629	0.409874	-1.69879	0.08936
ENSG00000152683.14	195.093465	-0.56862	0.43599	-1.3042	0.192165
ENSG00000165443.12	195.0973314	-0.55156	0.479387	-1.15055	0.249916
ENSG00000140465.14	195.1586928	0.987151	0.549266	1.797217	0.072301

ENSG00000151093.8	195.1893495	-0.27997	0.44567	-0.62819	0.529878
ENSG00000156345.18	195.2634341	-0.51152	0.440391	-1.16151	0.245433
ENSG00000059378.13	195.370782	0.065351	0.39808	0.164165	0.869602
ENSG00000060642.11	195.3873337	-0.24151	0.47947	-0.5037	0.614471
ENSG00000217801.10	195.4066889	-0.17459	0.468414	-0.37273	0.709347
ENSG00000094914.14	195.4127638	-0.1494	0.403587	-0.37018	0.711247
ENSG00000175782.11	195.4561089	-0.09129	0.407331	-0.22412	0.822663
ENSG00000135211.6	195.4732647	0.023912	0.532735	0.044885	0.964199
ENSG00000172716.16	195.4917717	0.539008	0.491172	1.097391	0.27247
ENSG00000243927.6	195.5055404	0.302261	0.399173	0.757217	0.44892
ENSG00000134030.14	195.5642798	-0.12927	0.402849	-0.32088	0.748302
ENSG00000122970.16	195.5970421	-0.35649	0.406831	-0.87627	0.380886
ENSG00000136811.16	195.5989747	0.309849	0.413744	0.74889	0.453924
ENSG00000115271.11	195.6113531	-0.70255	0.426317	-1.64795	0.099362
ENSG00000143614.10	195.6525091	-0.09402	0.400257	-0.23491	0.814281
ENSG00000158863.22	195.7577019	0.087449	0.399964	0.218643	0.826928
ENSG00000176715.17	195.7747309	0.142346	0.462082	0.308054	0.758041
ENSG00000117174.11	195.7846764	-0.01232	0.421836	-0.02921	0.976699
ENSG00000178074.6	195.8318663	-0.07811	0.494315	-0.15802	0.874445
ENSG00000163960.12	195.8535211	-0.98193	0.445414	-2.20454	0.027487
ENSG00000150764.14	195.8858114	-0.31743	0.468796	-0.67712	0.498331
ENSG00000079482.13	195.9638144	0.124757	0.467818	0.266679	0.789716
ENSG00000023902.14	195.9640396	0.487891	0.423826	1.151158	0.249667
ENSG00000163818.17	195.9993555	-0.83341	0.529438	-1.57414	0.115455
ENSG00000189171.14	196.0921404	0.468152	0.461454	1.014515	0.310337
ENSG00000125149.12	196.1067521	-0.14599	0.442792	-0.32971	0.74162
ENSG00000285756.2	196.1877392	0.643537	0.414648	1.552008	0.12066
ENSG00000102547.19	196.1971647	-0.94418	0.464306	-2.03353	0.041999
ENSG00000141179.14	196.274909	-1.17109	0.473266	-2.47449	0.013343
ENSG00000111325.16	196.2859772	-0.15099	0.399266	-0.37817	0.705301
ENSG00000184903.10	196.3026119	-0.47896	0.44862	-1.06763	0.285687
ENSG00000163918.10	196.311805	0.076716	0.399115	0.192214	0.847575
ENSG00000138050.15	196.4287329	-0.37169	0.412326	-0.90146	0.367346
ENSG00000170385.10	196.4535916	-0.04747	0.408886	-0.11611	0.907569
ENSG00000148429.14	196.5236713	-0.44544	0.457545	-0.97353	0.330288
ENSG00000172890.13	196.5455294	0.230681	0.398881	0.578319	0.563049
ENSG00000143845.15	196.5530797	-0.43776	0.468394	-0.93459	0.35
ENSG00000143217.9	196.5808906	-0.3398	0.42137	-0.80642	0.42
ENSG00000091073.19	196.6459316	0.217762	0.397883	0.547301	0.584172
ENSG00000110318.15	196.7287814	-0.27676	0.432431	-0.64	0.522172
ENSG00000170634.13	196.7771949	-0.29932	0.398062	-0.75195	0.45208
ENSG00000133119.13	196.8348798	-0.03164	0.491667	-0.06436	0.948686
ENSG00000202198.1	196.8393781	8.912222	3.193221	2.790982	0.005255
ENSG00000174446.13	196.8469422	-0.11455	0.406803	-0.28158	0.778264
ENSG00000135372.9	196.9073503	0.517107	0.438462	1.179366	0.238252
ENSG00000168916.15	196.9371118	-0.60913	0.417469	-1.45911	0.144534
ENSG00000162894.12	196.9777577	1.450958	0.554691	2.615797	0.008902
ENSG00000133065.11	197.0164891	-0.01255	0.435185	-0.02884	0.976988
ENSG00000090530.10	197.0300426	-0.03551	0.40042	-0.08868	0.929334
ENSG00000112186.12	197.033272	-0.14279	0.443249	-0.32214	0.747347
ENSG00000178573.7	197.0499647	0.00535	0.400451	0.01336	0.989341
ENSG00000157259.8	197.0688758	0.432865	0.445417	0.971819	0.33114

ENSG00000187688.15	197.0701306	0.464682	0.438921	1.058691	0.28974
ENSG00000165929.13	197.115251	-0.00655	0.441554	-0.01483	0.988171
ENSG00000141736.13	197.1389661	0.200929	0.424751	0.47305	0.636177
ENSG00000146587.18	197.1807445	-0.13285	0.451166	-0.29445	0.768413
ENSG00000136463.8	197.20116	0.088122	0.408016	0.215977	0.829005
ENSG00000168994.14	197.2695039	0.401789	0.454016	0.884967	0.376175
ENSG00000196455.8	197.3985668	0.022353	0.429379	0.052059	0.958481
ENSG0000014164.7	197.4079927	-0.6521	0.546999	-1.19213	0.233209
ENSG00000152932.8	197.4532011	-0.63889	0.588719	-1.08523	0.27782
ENSG00000143643.13	197.4628989	-0.46091	0.415185	-1.11014	0.26694
ENSG00000154222.14	197.4869134	-0.0846	0.399336	-0.21186	0.832218
ENSG00000115020.17	197.6370927	-0.34036	0.398533	-0.85402	0.393092
ENSG00000154310.17	197.6469466	0.159561	0.423173	0.377059	0.70613
ENSG00000130382.9	197.6940299	0.017279	0.422514	0.040895	0.96738
ENSG00000122574.10	197.7216764	-0.38926	0.477249	-0.81563	0.414714
ENSG00000136383.7	197.744535	-0.01346	0.405837	-0.03317	0.97354
ENSG00000156239.12	197.7456072	-0.649	0.40217	-1.61375	0.106582
ENSG00000230212.6	197.7595074	-0.20715	0.426973	-0.48516	0.627564
ENSG00000130023.16	197.7708084	-0.74318	0.423501	-1.75484	0.079287
ENSG00000184697.7	197.878901	-0.98543	0.524193	-1.87991	0.060121
ENSG00000107185.10	197.9636956	-0.42659	0.396413	-1.07612	0.281874
ENSG00000187601.5	198.0077644	0.59449	0.420968	1.412198	0.157892
ENSG00000112902.12	198.0440652	-0.24587	0.450387	-0.54591	0.585125
ENSG00000112029.10	198.1502117	0.065635	0.396018	0.165739	0.868363
ENSG00000181045.15	198.1738271	-0.39208	0.401628	-0.97622	0.328957
ENSG00000253368.4	198.1878273	0.937747	0.402482	2.329913	0.019811
ENSG00000181666.18	198.18953	-0.25553	0.395179	-0.64661	0.517882
ENSG00000141040.15	198.3052958	-0.64865	0.409404	-1.58438	0.113107
ENSG00000227766.1	198.3195894	-0.4479	0.455318	-0.9837	0.325262
ENSG00000131773.14	198.344656	0.606506	0.416308	1.456867	0.145153
ENSG00000262533.1	198.4402138	-0.0223	0.432735	-0.05154	0.958898
ENSG00000242259.8	198.526799	-0.0599	0.442935	-0.13523	0.892426
ENSG00000104093.14	198.5305571	0.377536	0.398933	0.946365	0.343963
ENSG00000100979.15	198.5753471	-0.0305	0.404628	-0.07539	0.939907
ENSG00000132964.12	198.5961673	-0.10094	0.402909	-0.25054	0.802171
ENSG00000100077.15	198.6333597	-0.17668	0.422082	-0.41858	0.675522
ENSG00000115239.24	198.6679712	-0.20714	0.401295	-0.51619	0.605725
ENSG00000188428.20	198.6896424	-1.04561	0.431777	-2.42163	0.015451
ENSG00000162408.11	198.6966305	0.401929	0.494227	0.813248	0.416076
ENSG00000132740.10	198.7025694	0.263338	0.408621	0.644454	0.519281
ENSG00000067646.12	198.737149	-0.81449	0.402169	-2.02525	0.042842
ENSG00000116661.11	198.7885987	-0.23181	0.439907	-0.52696	0.598221
ENSG00000105723.12	198.8124048	0.578945	0.413341	1.400647	0.16132
ENSG00000071575.11	198.8199195	-0.10599	0.398188	-0.26618	0.790104
ENSG00000125447.18	198.8580243	-0.28761	0.428977	-0.67047	0.502561
ENSG00000180376.17	198.9408069	-0.52787	0.421274	-1.25304	0.210193
ENSG00000089775.11	199.1196666	-0.13361	0.444305	-0.30071	0.763637
ENSG00000175931.13	199.1804494	0.390321	0.402255	0.970333	0.331881
ENSG00000158545.16	199.229309	0.921358	0.461747	1.995374	0.046002
ENSG00000157741.15	199.2695635	0.719203	0.477148	1.507295	0.131735
ENSG00000285830.1	199.3263466	-0.3411	0.408961	-0.83406	0.404248
ENSG00000163624.6	199.3861573	-0.18873	0.416068	-0.45361	0.65011

ENSG00000119242.8	199.4246464	0.105328	0.397663	0.264867	0.791112
ENSG00000173914.12	199.5421093	-0.04325	0.405799	-0.10659	0.915116
ENSG00000099804.9	199.6991574	1.084566	0.448865	2.416241	0.015682
ENSG00000163071.11	199.7015474	-0.8079	0.398274	-2.0285	0.042509
ENSG00000215218.4	199.7807001	-0.35377	0.452974	-0.781	0.434803
ENSG00000104856.14	199.9262479	0.553718	0.413154	1.340223	0.180173
ENSG00000116793.16	199.9355336	0.080103	0.405153	0.197712	0.843271
ENSG00000169410.10	199.9356759	-0.2238	0.394606	-0.56716	0.570605
ENSG00000103888.17	199.9433162	-0.00768	0.446172	-0.01721	0.986271
ENSG00000140961.14	199.9809114	-0.36677	0.474293	-0.77331	0.43934
ENSG00000160325.14	199.993014	0.267589	0.406649	0.658035	0.510516
ENSG00000148468.17	200.0106828	0.026791	0.39674	0.067529	0.946161
ENSG00000175455.16	200.033794	0.577496	0.421597	1.369784	0.170754
ENSG00000100104.13	200.0588417	0.424084	0.486365	0.871945	0.383238
ENSG00000197496.6	200.0620952	-0.39938	0.472653	-0.84498	0.398122
ENSG00000076356.7	200.1190204	0.559843	0.414136	1.351834	0.176429
ENSG00000196498.13	200.1675878	0.614894	0.503112	1.222181	0.221639
ENSG00000012171.20	200.1867149	0.252924	0.434284	0.582393	0.560302
ENSG00000115750.17	200.189466	-0.2662	0.40124	-0.66343	0.507053
ENSG00000127989.14	200.2014478	-0.58088	0.432445	-1.34325	0.179192
ENSG00000121481.11	200.2262951	-0.68329	0.409645	-1.668	0.095315
ENSG00000140474.14	200.2275788	-0.36837	0.427099	-0.8625	0.388415
ENSG00000091879.14	200.3473204	1.099973	0.579269	1.898899	0.057578
ENSG00000100106.22	200.4659409	0.764471	0.427477	1.788332	0.073723
ENSG00000049130.16	200.4870766	-0.07409	0.40227	-0.18418	0.853873
ENSG00000138735.16	200.5366195	-0.69606	0.450046	-1.54663	0.121951
ENSG00000196693.15	200.6478695	-0.0519	0.413869	-0.12541	0.900198
ENSG00000110844.13	200.6879307	0.459726	0.417797	1.100356	0.271177
ENSG00000279364.1	200.6919424	0.195742	0.416305	0.470189	0.63822
ENSG00000177669.4	200.7979986	-0.36822	0.488096	-0.75439	0.450612
ENSG00000141759.15	200.960514	1.009343	0.429003	2.352765	0.018634
ENSG00000113578.18	200.986552	0.8539	0.46877	1.821575	0.068519
ENSG00000105373.19	201.1182232	1.586219	0.511479	3.101241	0.001927
ENSG00000163872.16	201.1766022	-0.23236	0.405773	-0.57265	0.566884
ENSG00000166912.17	201.3100913	0.015235	0.400883	0.038003	0.969685
ENSG00000130119.17	201.3159119	0.300295	0.435606	0.689374	0.490588
ENSG00000109099.16	201.4247192	-0.10327	0.397246	-0.25997	0.794886
ENSG00000188986.8	201.4584088	0.762642	0.408034	1.869064	0.061614
ENSG00000185753.13	201.4734512	-0.25844	0.437705	-0.59044	0.554898
ENSG00000105556.11	201.4926239	0.405251	0.429943	0.942568	0.345902
ENSG00000112699.11	201.6494681	0.170478	0.402506	0.423541	0.671901
ENSG00000162430.17	201.6724017	0.344059	0.414747	0.829563	0.406786
ENSG00000204514.10	201.7280752	0.345013	0.405224	0.851414	0.39454
ENSG00000135632.12	201.7781788	-0.02394	0.420575	-0.05692	0.954605
ENSG00000049883.15	201.8184266	-0.41938	0.443521	-0.94558	0.344365
ENSG00000184220.12	201.8269219	0.285379	0.401458	0.710855	0.477174
ENSG00000213397.10	201.8470384	0.012234	0.40853	0.029948	0.976109
ENSG00000119574.13	201.8978415	-0.26284	0.495916	-0.53	0.596112
ENSG00000065357.20	201.915941	0.310211	0.42855	0.723863	0.46915
ENSG00000152056.17	201.9279625	-1.01399	0.491286	-2.06395	0.039022
ENSG00000157184.7	202.0338143	-0.29049	0.424372	-0.68453	0.493642
ENSG00000162222.14	202.0499389	-0.28865	0.425404	-0.67854	0.497428

ENSG00000100985.7	202.1569365	0.683022	0.434991	1.570198	0.116369
ENSG00000105656.13	202.1891571	-0.10778	0.394305	-0.27335	0.784587
ENSG00000204599.14	202.1967691	-0.20885	0.393474	-0.53078	0.595574
ENSG00000165591.6	202.207995	-0.46111	0.407616	-1.13123	0.257959
ENSG00000284969.1	202.2142996	-0.02865	0.534434	-0.05361	0.957248
ENSG00000017483.15	202.2229159	0.168219	0.428478	0.392597	0.694617
ENSG00000285437.1	202.263236	-0.20463	0.408566	-0.50086	0.616472
ENSG00000103653.16	202.308045	0.384255	0.409986	0.937238	0.348636
ENSG00000144401.14	202.3853913	-0.26191	0.411364	-0.63668	0.524335
ENSG00000148362.11	202.3877288	-0.05457	0.400979	-0.13608	0.891757
ENSG00000166262.16	202.406062	-0.54077	0.425995	-1.26943	0.204286
ENSG00000072134.15	202.5294246	0.095074	0.429846	0.22118	0.824952
ENSG00000160271.16	202.5369668	-0.66605	0.437046	-1.52397	0.127516
ENSG00000169519.21	202.6141153	-0.34037	0.422335	-0.80592	0.42029
ENSG00000120738.8	202.6753254	-0.32587	0.403361	-0.8079	0.41915
ENSG00000154175.18	202.7516286	-0.02259	0.440143	-0.05131	0.959076
ENSG00000156860.16	202.9550251	0.307231	0.403764	0.760918	0.446706
ENSG00000157881.16	203.0066668	-0.1247	0.396973	-0.31411	0.753434
ENSG00000115042.10	203.0175357	-0.47302	0.426408	-1.1093	0.2673
ENSG00000135457.10	203.1165904	-0.18495	0.397927	-0.46479	0.642084
ENSG00000161281.11	203.130547	0.643984	0.395922	1.626542	0.103834
ENSG00000064995.18	203.1806768	0.462095	0.399549	1.156544	0.247459
ENSG00000088179.9	203.3025341	-0.3584	0.402251	-0.89098	0.372942
ENSG00000143207.21	203.3041169	0.486522	0.446643	1.089285	0.276028
ENSG00000137478.15	203.3052734	0.006889	0.40975	0.016812	0.986586
ENSG00000131067.17	203.4114733	-0.35665	0.455271	-0.78337	0.43341
ENSG00000163536.13	203.4302856	-0.35486	0.397892	-0.89185	0.372474
ENSG00000173409.14	203.4316215	-0.0801	0.410871	-0.19495	0.845434
ENSG00000117122.14	203.4400993	-0.33592	0.474635	-0.70773	0.47911
ENSG00000147883.12	203.5169392	-0.44732	0.458168	-0.97632	0.328908
ENSG00000160293.17	203.5508991	-0.04394	0.403551	-0.10889	0.913287
ENSG00000263585.1	203.6749914	-0.21086	0.396851	-0.53133	0.595187
ENSG00000054611.14	203.7011909	-0.21079	0.392742	-0.53672	0.591462
ENSG00000111860.14	203.850503	-0.30861	0.424017	-0.72782	0.466721
ENSG00000185596.16	203.8627993	-0.27662	0.409246	-0.67593	0.499085
ENSG00000059122.17	203.863971	-0.21849	0.401624	-0.54402	0.586429
ENSG00000087076.9	203.9366556	-0.68107	0.450993	-1.51016	0.131003
ENSG00000171792.11	203.984613	-0.68603	0.406119	-1.68923	0.091175
ENSG00000186369.10	204.0201323	-0.56366	0.489103	-1.15244	0.249142
ENSG00000134070.5	204.0260641	-0.24291	0.424838	-0.57177	0.567481
ENSG00000160908.15	204.0825678	-0.07668	0.399852	-0.19178	0.847916
ENSG00000132024.17	204.0833342	0.639195	0.404723	1.57934	0.114258
ENSG00000152409.9	204.1449596	-0.08026	0.449082	-0.17872	0.858154
ENSG00000180423.4	204.1918509	-0.1679	0.401247	-0.41844	0.675628
ENSG00000148334.15	204.1963481	0.461199	0.409436	1.126424	0.259986
ENSG00000245970.2	204.2277642	0.744481	0.441328	1.686912	0.09162
ENSG00000109534.17	204.2522987	-0.07847	0.396349	-0.19798	0.843064
ENSG00000166788.10	204.3760767	-0.14713	0.392306	-0.37504	0.707631
ENSG00000180182.11	204.4784391	0.142967	0.417253	0.342638	0.73187
ENSG00000165282.14	204.5554192	0.091593	0.410227	0.223274	0.823322
ENSG00000177946.6	204.6298565	-0.11925	0.393056	-0.3034	0.761588
ENSG00000040531.16	204.6626459	-0.33186	0.396713	-0.83652	0.40286

ENSG00000225855.7	204.7092281	0.111194	0.403445	0.275611	0.782847
ENSG00000100100.13	204.7285213	-0.3542	0.426024	-0.83141	0.405741
ENSG00000145220.14	204.7803867	-0.24825	0.409922	-0.6056	0.544782
ENSG00000130349.10	204.7882169	-0.21541	0.397606	-0.54176	0.587986
ENSG00000176406.23	204.8975167	0.002794	0.460269	0.006071	0.995156
ENSG00000163935.14	204.9398397	0.02347	0.40616	0.057786	0.953919
ENSG00000119411.11	204.9551877	0.424976	0.423895	1.002551	0.316078
ENSG00000129990.15	204.9904956	-0.59913	0.508613	-1.17796	0.238812
ENSG00000129667.13	205.0199876	-0.23196	0.461147	-0.50301	0.614958
ENSG00000165246.14	205.0538774	-0.69667	0.459791	-1.51519	0.129724
ENSG00000131153.9	205.0726015	0.267511	0.435506	0.614254	0.539048
ENSG00000214367.8	205.0920201	-0.28343	0.405267	-0.69936	0.484327
ENSG00000016391.11	205.1120446	0.095957	0.409369	0.234403	0.814672
ENSG00000105698.16	205.1315815	0.350617	0.411681	0.851671	0.394397
ENSG00000149016.16	205.1512302	0.142953	0.399637	0.357706	0.720563
ENSG00000183617.5	205.2743637	0.229704	0.404642	0.567671	0.570259
ENSG00000158411.11	205.3125765	0.05027	0.404422	0.1243	0.901078
ENSG00000285744.1	205.3597548	-0.22275	0.429926	-0.51812	0.604378
ENSG00000235823.3	205.381898	-0.36884	0.405689	-0.90917	0.363261
ENSG00000165886.5	205.3864971	-0.23499	0.434096	-0.54134	0.588273
ENSG00000169715.15	205.4422656	-0.12127	0.417937	-0.29016	0.771693
ENSG00000125746.17	205.655449	-0.2797	0.397639	-0.70341	0.4818
ENSG00000127511.9	205.6574665	0.290861	0.412655	0.704853	0.480902
ENSG00000139343.10	205.7418343	0.619102	0.405879	1.525339	0.127175
ENSG00000130962.18	205.7519721	-0.68263	0.422761	-1.6147	0.106376
ENSG00000133275.16	205.8286842	0.323181	0.394996	0.818188	0.41325
ENSG00000143363.17	205.8639636	-0.9944	0.43327	-2.29509	0.021728
ENSG00000137574.11	206.0121553	0.274107	0.411994	0.665318	0.505847
ENSG00000173818.17	206.0278347	-0.02644	0.397127	-0.06659	0.94691
ENSG00000125482.13	206.0592364	-0.07589	0.420216	-0.18059	0.856692
ENSG00000155792.10	206.1263793	-0.77759	0.44846	-1.73391	0.082933
ENSG00000148053.16	206.1493416	-0.1318	0.403088	-0.32697	0.743689
ENSG00000164330.17	206.1522647	0.511885	0.534868	0.957031	0.338551
ENSG00000107968.10	206.1598633	0.273942	0.417661	0.655895	0.511892
ENSG00000165338.16	206.1882253	-0.514	0.413093	-1.24426	0.213403
ENSG00000125637.16	206.1923046	0.206448	0.395853	0.521527	0.601999
ENSG00000177302.15	206.2150716	-0.11697	0.39287	-0.29772	0.765916
ENSG00000122862.5	206.2724587	-0.46721	0.459027	-1.01783	0.30876
ENSG00000103932.12	206.3558586	0.456055	0.410949	1.10976	0.267102
ENSG00000069509.6	206.5917728	-0.38959	0.393924	-0.989	0.322662
ENSG00000152127.9	206.6756062	0.077385	0.398566	0.194159	0.846051
ENSG00000143624.14	206.7993793	0.225922	0.400525	0.564066	0.572709
ENSG00000139546.11	206.8460369	-0.1202	0.404884	-0.29687	0.766562
ENSG00000135596.18	206.8891542	0.324399	0.451804	0.718008	0.472752
ENSG00000123975.5	206.947221	-0.22829	0.423058	-0.53962	0.589462
ENSG00000107130.10	206.9717113	0.43203	0.399803	1.080607	0.279872
ENSG00000010810.17	207.0313989	0.405898	0.398337	1.01898	0.308212
ENSG00000173852.15	207.0334856	-0.12943	0.395689	-0.32709	0.743599
ENSG00000100578.18	207.0345947	-0.3601	0.411896	-0.87426	0.381978
ENSG00000134193.15	207.0823266	-0.0728	0.457748	-0.15903	0.873644
ENSG00000083720.13	207.0877457	-0.19121	0.438517	-0.43604	0.662808
ENSG00000242125.3	207.1004884	0.871369	0.46227	1.884979	0.059433

ENSG00000172366.20	207.1905789	-0.03877	0.402839	-0.09623	0.923338
ENSG00000114544.16	207.2721922	0.255704	0.395771	0.646092	0.51822
ENSG00000145365.11	207.2890706	-0.30854	0.479918	-0.64289	0.520295
ENSG00000141480.18	207.2915626	-0.02665	0.418083	-0.06374	0.94918
ENSG00000008130.15	207.3049492	0.386783	0.421929	0.916701	0.3593
ENSG00000158234.12	207.3106004	-0.58122	0.442724	-1.31284	0.189239
ENSG00000151612.18	207.3163315	-0.07077	0.411379	-0.17203	0.863413
ENSG00000131725.14	207.4500149	-0.42831	0.453599	-0.94424	0.345048
ENSG00000112175.8	207.470539	-0.48766	0.462279	-1.05491	0.291468
ENSG00000099337.5	207.4914773	0.127988	0.393589	0.325181	0.745044
ENSG00000004487.17	207.4921399	0.359181	0.39795	0.902578	0.36675
ENSG00000094841.14	207.4970943	-0.46997	0.411022	-1.14343	0.252862
ENSG00000273149.1	207.5032584	-0.13102	0.403376	-0.32482	0.745318
ENSG00000108262.16	207.6005403	0.372638	0.41224	0.903935	0.36603
ENSG00000064652.11	207.6370646	-0.07325	0.395005	-0.18544	0.852883
ENSG00000143801.17	207.6555347	-0.14528	0.402338	-0.36108	0.71804
ENSG00000198718.13	207.6724863	-0.38372	0.393606	-0.97487	0.329624
ENSG00000101473.17	207.6741194	-0.21257	0.399427	-0.53218	0.594602
ENSG00000155561.15	207.7106277	0.637668	0.441396	1.444664	0.148552
ENSG00000156384.14	207.7780428	0.423566	0.438018	0.967007	0.333541
ENSG00000198121.13	208.0842855	-0.69526	0.46527	-1.49432	0.135092
ENSG00000122481.17	208.1219747	-0.10867	0.408311	-0.26614	0.790132
ENSG00000086015.22	208.2621514	0.333619	0.402853	0.828141	0.407591
ENSG00000103876.13	208.2868556	-0.08091	0.398924	-0.20282	0.839278
ENSG00000156265.16	208.3389049	-0.26312	0.421422	-0.62436	0.532394
ENSG00000157350.13	208.3945418	-0.02499	0.422974	-0.05907	0.952893
ENSG00000181396.13	208.4169097	-0.11032	0.396279	-0.27838	0.780723
ENSG00000004399.13	208.5304009	0.414599	0.402671	1.029623	0.303187
ENSG00000240889.1	208.5715446	0.402141	0.434875	0.924727	0.355108
ENSG00000180098.9	208.5757263	-0.19776	0.397629	-0.49734	0.618952
ENSG00000103353.16	208.7351567	0.843192	0.451887	1.865937	0.06205
ENSG00000127337.7	208.7685241	-0.69344	0.419208	-1.65417	0.098092
ENSG00000163625.16	208.8893664	-0.28794	0.422647	-0.68127	0.495698
ENSG00000152457.18	208.8943432	-0.06411	0.416314	-0.15398	0.877623
ENSG00000066557.6	208.9016547	-0.59789	0.468904	-1.27509	0.202279
ENSG00000164855.16	208.9462095	0.513854	0.407152	1.262068	0.206924
ENSG00000213341.11	208.9541239	-0.16485	0.399044	-0.41312	0.679518
ENSG00000164897.14	208.9666464	0.695759	0.587447	1.184377	0.236264
ENSG00000175581.14	209.0922325	0.033904	0.415097	0.081678	0.934903
ENSG00000087842.11	209.131306	-0.34504	0.435758	-0.79182	0.428464
ENSG00000124939.6	209.1378156	-1.21352	0.492726	-2.46286	0.013783
ENSG00000145335.17	209.1464485	-0.81647	0.431549	-1.89195	0.058498
ENSG00000050748.17	209.2001779	0.226772	0.416521	0.544443	0.586137
ENSG00000145348.17	209.2009737	-0.70281	0.413353	-1.70027	0.08908
ENSG00000124098.10	209.2765573	0.779944	0.41748	1.86822	0.061731
ENSG00000132604.11	209.3331237	-0.04093	0.419614	-0.09755	0.922289
ENSG00000235989.4	209.3407844	-0.16375	0.5208	-0.31442	0.753205
ENSG00000118600.12	209.4022796	-0.06681	0.424513	-0.15739	0.874941
ENSG00000153721.19	209.4272679	0.030076	0.398563	0.075462	0.939847
ENSG00000130749.10	209.434242	0.635645	0.418328	1.519489	0.128639
ENSG00000033030.15	209.5127707	-0.09826	0.398522	-0.24657	0.805241
ENSG00000032389.13	209.5260452	-0.12237	0.39136	-0.31267	0.754529

ENSG00000262879.6	209.5369582	-0.27087	0.459677	-0.58926	0.555689
ENSG00000170779.11	209.6372288	0.275349	0.417954	0.658803	0.510022
ENSG00000118402.6	209.6399682	-0.99823	0.507957	-1.96519	0.049392
ENSG00000152779.14	209.6990251	0.489229	0.428338	1.142156	0.253389
ENSG00000100314.4	209.7027574	0.092257	0.394782	0.233691	0.815225
ENSG00000115289.14	209.8964445	-0.72261	0.405137	-1.78362	0.074486
ENSG00000167632.17	209.9074576	-0.37602	0.414988	-0.9061	0.364885
ENSG00000165861.14	209.9728645	-0.26963	0.396765	-0.67958	0.49677
ENSG00000067445.21	209.9913787	-0.59039	0.427091	-1.38236	0.166861
ENSG00000165475.15	210.0623092	-0.52459	0.402455	-1.30347	0.192415
ENSG00000127452.9	210.0813763	-0.1208	0.404213	-0.29884	0.765062
ENSG00000150630.4	210.0881027	0.55958	0.432811	1.292897	0.196047
ENSG00000083544.15	210.0912957	-0.11941	0.404279	-0.29536	0.76772
ENSG00000078237.7	210.1711094	-1.57334	0.640657	-2.45583	0.014056
ENSG00000241111.1	210.1798255	-0.53131	0.473267	-1.12265	0.261587
ENSG00000167615.16	210.346175	1.139362	0.401711	2.836276	0.004564
ENSG00000158828.8	210.445712	0.705298	0.419344	1.681907	0.092587
ENSG00000100294.13	210.5402835	-0.07546	0.402405	-0.18752	0.851251
ENSG00000232573.1	210.6288578	4.365873	3.265165	1.337107	0.181188
ENSG00000124782.20	210.7106282	-0.12187	0.399585	-0.305	0.760363
ENSG00000134444.15	210.7345254	-0.83178	0.425545	-1.95462	0.050628
ENSG00000100304.13	210.844613	0.579619	0.39354	1.472831	0.140796
ENSG00000275740.1	210.8780029	0.167586	0.418698	0.400254	0.688969
ENSG00000196367.14	210.896669	0.227876	0.428254	0.532105	0.594653
ENSG00000074657.14	210.9179157	0.552236	0.419809	1.315445	0.18836
ENSG00000221955.10	210.9839327	-0.43144	0.432476	-0.9976	0.318475
ENSG00000095637.22	210.990238	-0.04164	0.450523	-0.09244	0.926352
ENSG00000163867.17	210.9970125	-0.6899	0.453283	-1.52202	0.128005
ENSG00000170571.12	211.0384152	-0.87992	0.500223	-1.75905	0.07857
ENSG00000101457.13	211.1928723	0.368529	0.471452	0.781688	0.434398
ENSG00000262246.6	211.2100706	0.17312	0.399919	0.432887	0.665097
ENSG00000163257.11	211.3888212	-0.38358	0.485787	-0.7896	0.429763
ENSG00000157388.19	211.4198147	-0.01879	0.405813	-0.0463	0.963072
ENSG00000112234.9	211.4694255	-0.61765	0.41453	-1.49001	0.136221
ENSG00000154874.15	211.4914453	-0.95396	0.446309	-2.13745	0.032562
ENSG00000119922.10	211.5969887	-0.34401	0.415348	-0.82825	0.407529
ENSG00000175866.15	211.6327652	-0.35503	0.391383	-0.90712	0.364341
ENSG00000073050.12	211.6590341	-0.17309	0.403209	-0.42928	0.667722
ENSG00000059691.12	211.6965926	-0.36269	0.394535	-0.91929	0.357945
ENSG00000283103.3	211.722334	0.318982	0.394041	0.809513	0.41822
ENSG00000169855.20	211.8364168	0.331934	0.422753	0.785172	0.432353
ENSG00000173156.7	211.9024056	-0.06917	0.408725	-0.16924	0.865605
ENSG00000103671.10	212.0431193	-0.07924	0.396731	-0.19973	0.841695
ENSG00000172339.10	212.0633049	-0.04899	0.404556	-0.12109	0.90362
ENSG00000068654.16	212.1020041	0.26346	0.507097	0.519545	0.603381
ENSG00000008324.12	212.1587304	0.065856	0.404069	0.162982	0.870533
ENSG00000136010.14	212.1866698	-0.4944	0.456887	-1.08211	0.279205
ENSG00000260276.2	212.2046183	-0.08913	0.394773	-0.22579	0.821367
ENSG00000140743.8	212.2265658	0.400085	0.41388	0.966669	0.333709
ENSG00000149308.17	212.2632649	-0.06224	0.408029	-0.15253	0.878768
ENSG00000155229.21	212.3336221	0.131238	0.405682	0.323499	0.746317
ENSG00000113448.19	212.3345766	-0.62469	0.408827	-1.52801	0.126511

ENSG00000115107.20	212.5820234	-0.27777	0.397067	-0.69955	0.48421
ENSG00000128833.13	212.679515	-0.6327	0.389797	-1.62314	0.104558
ENSG00000027001.10	212.6908447	0.214018	0.459358	0.465906	0.641283
ENSG00000269556.8	212.8124998	0.236666	0.3985	0.593892	0.552584
ENSG00000104973.19	212.862187	0.251643	0.489819	0.513747	0.607429
ENSG00000005020.13	212.8895124	-0.72084	0.444742	-1.6208	0.10506
ENSG00000104722.14	212.921957	0.247305	0.457528	0.540524	0.588836
ENSG00000175467.15	212.9528402	1.49296	0.414463	3.602151	0.000316
ENSG00000165633.13	212.9661913	0.404921	0.500509	0.809018	0.418505
ENSG00000104205.16	213.0343133	-0.82344	0.449641	-1.83132	0.067053
ENSG00000172869.14	213.1064485	-0.48866	0.445406	-1.09711	0.272593
ENSG00000198453.13	213.1188994	-0.1933	0.389062	-0.49683	0.619309
ENSG00000122515.15	213.1479131	0.282521	0.390493	0.723499	0.469373
ENSG00000137285.10	213.1518407	-0.22485	0.392506	-0.57286	0.566743
ENSG00000128656.15	213.1635615	-0.27653	0.455971	-0.60647	0.544206
ENSG00000111203.13	213.2219547	0.024653	0.430757	0.057232	0.954361
ENSG00000145246.14	213.2666238	-0.51396	0.390403	-1.31649	0.188011
ENSG00000164051.14	213.3644177	-0.25093	0.406847	-0.61677	0.537386
ENSG00000136720.7	213.4157154	0.181236	0.390351	0.464291	0.64244
ENSG00000117707.16	213.6041228	-0.00043	0.416012	-0.00103	0.999177
ENSG00000153002.12	213.6625587	-0.48933	0.462186	-1.05873	0.289721
ENSG00000170485.17	213.7631632	-0.04512	0.491147	-0.09186	0.926811
ENSG00000003393.15	213.8172787	-0.33989	0.392189	-0.86664	0.386138
ENSG00000135378.4	213.9033051	-0.1847	0.430956	-0.42858	0.668226
ENSG00000177042.14	213.9974474	0.175612	0.45488	0.386063	0.69945
ENSG00000157827.20	213.997771	0.044616	0.412514	0.108156	0.913872
ENSG00000279641.1	214.0015231	0.016329	0.39677	0.041156	0.967172
ENSG00000183287.14	214.0313961	0.077958	0.422437	0.184543	0.853587
ENSG00000163513.19	214.2466343	-0.30468	0.396424	-0.76858	0.442142
ENSG00000253982.2	214.3372453	-0.01589	0.464017	-0.03425	0.972679
ENSG00000197296.6	214.3577926	0.096413	0.501505	0.192248	0.847548
ENSG00000070182.21	214.3619709	-0.06223	0.427297	-0.14563	0.88421
ENSG00000112159.12	214.3692952	0.613744	0.519226	1.182036	0.237191
ENSG00000157326.19	214.3840139	-0.30333	0.410194	-0.73948	0.459617
ENSG00000185565.12	214.412389	-0.60477	0.471982	-1.28133	0.200077
ENSG00000073060.16	214.49374	-0.70902	0.424841	-1.6689	0.095138
ENSG00000143486.16	214.5010684	-0.18579	0.415559	-0.44709	0.654813
ENSG00000008710.20	214.5184764	0.054882	0.410503	0.133694	0.893645
ENSG00000164695.5	214.5196276	-0.24549	0.469794	-0.52254	0.601295
ENSG00000163507.14	214.5413006	-0.15999	0.531534	-0.30099	0.763422
ENSG00000057657.17	214.5642647	0.137013	0.44106	0.310644	0.756071
ENSG00000068001.14	214.6617915	0.05597	0.513476	0.109002	0.913201
ENSG00000130477.15	214.6842996	-0.26921	0.421788	-0.63827	0.523298
ENSG00000157625.15	214.6846857	-0.03207	0.40725	-0.07875	0.937233
ENSG00000131873.7	214.7482467	0.293629	0.410225	0.715775	0.47413
ENSG00000265972.6	214.9837838	-0.28343	0.485809	-0.58343	0.559605
ENSG00000198417.7	215.0283573	-0.23907	0.440686	-0.54249	0.587481
ENSG00000128563.13	215.0327443	-0.02949	0.417535	-0.07062	0.943701
ENSG00000157873.17	215.0612007	-0.84784	0.435328	-1.9476	0.051463
ENSG00000091409.15	215.0734559	-0.02906	0.408407	-0.07116	0.943274
ENSG00000183336.8	215.0741989	0.14326	0.454615	0.315124	0.752667
ENSG00000126218.12	215.0778903	-0.33197	0.418709	-0.79283	0.427875

ENSG00000156453.13	215.0790387	-0.05235	0.502207	-0.10425	0.916972
ENSG00000204344.14	215.2029104	0.146552	0.457606	0.320257	0.748773
ENSG00000140320.12	215.3896851	0.285789	0.406964	0.702248	0.482525
ENSG00000163785.13	215.4297306	0.51533	0.388227	1.327395	0.184378
ENSG00000155313.15	215.4441674	-0.01067	0.426455	-0.02502	0.98004
ENSG00000167695.15	215.4479319	-0.33597	0.416128	-0.80736	0.419457
ENSG00000095203.14	215.4497986	-0.24971	0.406058	-0.61497	0.538577
ENSG00000125875.14	215.4593069	0.31171	0.388786	0.801752	0.422696
ENSG00000171202.7	215.5147922	-0.33147	0.405234	-0.81797	0.413375
ENSG00000165271.17	215.7157391	0.602	0.414185	1.453458	0.146097
ENSG00000152689.18	215.7432747	-0.10956	0.406556	-0.26947	0.787564
ENSG00000112167.10	215.7565171	-0.54069	0.442822	-1.22101	0.222083
ENSG00000160803.8	215.8473396	0.372563	0.407347	0.91461	0.360397
ENSG00000112290.13	215.998934	-0.74009	0.440817	-1.6789	0.093172
ENSG00000165868.16	216.0407372	-0.12907	0.398865	-0.32359	0.746252
ENSG00000171469.11	216.1202418	-0.62409	0.476926	-1.30857	0.190682
ENSG00000067141.17	216.2600102	0.39659	0.406816	0.974864	0.329628
ENSG00000131242.18	216.2694858	-0.29374	0.393699	-0.7461	0.455605
ENSG00000074755.15	216.2964071	0.343574	0.396226	0.867115	0.385879
ENSG00000198892.7	216.3790498	-0.61627	0.478745	-1.28727	0.198001
ENSG00000111731.12	216.3923777	-0.48406	0.472883	-1.02364	0.306006
ENSG00000179403.12	216.4344842	0.944725	0.438959	2.152194	0.031382
ENSG00000129757.14	216.4355019	-0.68636	0.451362	-1.52065	0.128347
ENSG00000105793.16	216.4900711	-0.30416	0.392552	-0.77484	0.438435
ENSG00000180011.7	216.4985603	-0.53409	0.543103	-0.9834	0.325409
ENSG00000166478.10	216.5007332	-0.35462	0.391127	-0.90665	0.36459
ENSG00000257093.7	216.5741669	-0.20781	0.388104	-0.53545	0.592337
ENSG00000162066.15	216.6018311	-0.12019	0.393877	-0.30514	0.760259
ENSG00000153339.14	216.6544241	0.122453	0.397272	0.308234	0.757904
ENSG00000175854.13	216.6551104	-0.36768	0.433934	-0.84732	0.396819
ENSG00000169814.16	216.7357747	-0.51767	0.449363	-1.15202	0.249313
ENSG00000137807.15	216.7368137	0.60964	0.503784	1.210123	0.226232
ENSG00000135093.13	216.7429271	-0.63216	0.401705	-1.5737	0.115556
ENSG00000170322.14	216.7975147	-0.30191	0.411091	-0.73442	0.462693
ENSG00000138756.17	216.8352957	-0.2943	0.407163	-0.7228	0.469806
ENSG00000073111.14	216.8603499	0.61463	0.450319	1.364879	0.172291
ENSG00000214113.11	216.8730046	0.090944	0.390733	0.232753	0.815953
ENSG00000128805.15	216.9187391	0.707701	0.422753	1.67403	0.094125
ENSG00000138182.14	216.9250636	-0.67757	0.571474	-1.18566	0.235758
ENSG00000126453.9	216.9387977	-0.12653	0.391987	-0.3228	0.746844
ENSG00000128016.7	216.9646572	0.110273	0.516896	0.213336	0.831065
ENSG00000187678.10	216.9851476	0.019861	0.401756	0.049436	0.960572
ENSG00000175274.19	217.0288733	-0.17777	0.441169	-0.40294	0.686989
ENSG00000104907.12	217.0347968	-0.16329	0.424857	-0.38433	0.700733
ENSG00000179409.11	217.0538774	-0.12403	0.420795	-0.29475	0.768183
ENSG00000133997.12	217.0847958	-0.05275	0.419716	-0.12567	0.899992
ENSG00000242086.8	217.1546782	-0.02975	0.411687	-0.07227	0.942386
ENSG00000090661.12	217.1814583	-0.53797	0.42942	-1.25277	0.210288
ENSG00000042445.14	217.195289	-0.27718	0.443383	-0.62515	0.53187
ENSG00000187239.17	217.3234	-0.07633	0.413665	-0.18453	0.853599
ENSG00000100034.14	217.450965	0.292714	0.403487	0.72546	0.46817
ENSG00000000419.13	217.4759307	0.078491	0.445793	0.176071	0.860238

ENSG00000204130.14	217.4906316	-0.19244	0.387872	-0.49615	0.619787
ENSG00000133812.16	217.4934883	-0.02063	0.396228	-0.05206	0.958483
ENSG00000068784.13	217.5147857	-0.10131	0.391134	-0.25902	0.795621
ENSG00000105617.4	217.5161187	-0.13787	0.413919	-0.33309	0.739065
ENSG00000273899.5	217.5305778	0.024388	0.388697	0.062744	0.949971
ENSG00000103489.12	217.6146798	0.368508	0.452561	0.814273	0.415489
ENSG00000126709.15	217.6843257	0.888856	0.430889	2.062843	0.039128
ENSG00000213930.12	217.6874192	-0.17515	0.390698	-0.44831	0.653933
ENSG00000170448.12	217.7776918	-0.47874	0.459903	-1.04095	0.297899
ENSG00000071564.17	217.8373181	0.277643	0.445982	0.622543	0.533585
ENSG00000113318.11	217.8615418	-0.1571	0.393009	-0.39974	0.689347
ENSG00000196465.10	217.9351045	0.551647	0.3881	1.421404	0.155199
ENSG00000135913.11	217.979271	-0.24349	0.463633	-0.52517	0.599465
ENSG00000176148.16	218.0652664	-0.88939	0.416932	-2.13318	0.03291
ENSG00000183853.18	218.0931226	-0.03179	0.403877	-0.07872	0.937255
ENSG00000149930.18	218.1306485	0.626523	0.466082	1.344235	0.178873
ENSG00000172262.11	218.1347928	-0.2965	0.394713	-0.75118	0.452544
ENSG00000157216.15	218.1804309	0.360749	0.411053	0.877621	0.380149
ENSG00000164983.7	218.5485612	-0.12779	0.468394	-0.27283	0.784986
ENSG00000121864.10	218.6464366	-0.05833	0.434492	-0.13425	0.893203
ENSG00000165757.9	218.655399	-0.40758	0.403457	-1.01022	0.312389
ENSG00000159210.10	218.6687133	1.202184	0.443337	2.711669	0.006695
ENSG00000144736.14	218.6803293	-0.64386	0.401091	-1.60527	0.108434
ENSG00000237190.4	218.7833553	0.020611	0.433388	0.047558	0.962068
ENSG00000136295.15	218.8213074	0.281779	0.404009	0.697457	0.485517
ENSG00000136159.4	218.9792391	-0.42089	0.482202	-0.87286	0.38274
ENSG00000161981.11	218.9828724	-0.06404	0.392065	-0.16335	0.870242
ENSG00000099949.21	219.0840421	0.314924	0.389483	0.80857	0.418763
ENSG00000102309.15	219.1287822	-0.02944	0.398211	-0.07393	0.941063
ENSG00000135503.13	219.2779138	-0.21744	0.388989	-0.559	0.576162
ENSG00000127804.13	219.2917304	0.261041	0.402957	0.647814	0.517105
ENSG00000076706.17	219.368118	0.625038	0.439285	1.422854	0.154778
ENSG00000065413.20	219.4369175	-0.00628	0.410368	-0.01529	0.987799
ENSG00000133134.12	219.5072443	0.341568	0.42304	0.807412	0.419429
ENSG00000198466.12	219.52387	0.19243	0.390968	0.492189	0.622586
ENSG00000123154.12	219.5375696	0.003252	0.400383	0.008123	0.993519
ENSG00000152193.8	219.5449549	-0.2131	0.387151	-0.55042	0.582032
ENSG00000256664.1	219.5492516	-1.22234	0.490345	-2.49282	0.012673
ENSG00000115325.13	219.5951562	-0.1676	0.427536	-0.39201	0.695052
ENSG00000175899.15	219.6086857	0.188238	0.441177	0.426672	0.669618
ENSG00000103707.10	219.7081741	-0.11956	0.426862	-0.28009	0.77941
ENSG00000165782.11	219.7621433	0.632324	0.42218	1.497759	0.134196
ENSG00000172046.19	219.9182736	0.301118	0.399834	0.753106	0.451386
ENSG00000165097.16	219.9764068	-0.38119	0.39104	-0.97481	0.329652
ENSG00000100523.16	220.0470135	-0.58553	0.437457	-1.33849	0.180738
ENSG00000111348.9	220.0724739	0.148398	0.386401	0.38405	0.700941
ENSG00000239789.6	220.081945	0.337328	0.392239	0.860006	0.389786
ENSG00000154229.12	220.0990068	1.145954	0.394792	2.902681	0.0037
ENSG00000157837.16	220.1218373	0.03684	0.422766	0.08714	0.93056
ENSG00000151883.19	220.1623518	-0.47707	0.394541	-1.20918	0.226595
ENSG00000047579.20	220.2690218	-0.15874	0.386444	-0.41077	0.681244
ENSG00000173020.11	220.2957336	1.009192	0.426074	2.368581	0.017856

ENSG00000221968.9	220.5014153	0.311013	0.397201	0.78301	0.433621
ENSG00000185989.11	220.556267	-0.0754	0.40674	-0.18539	0.852925
ENSG00000068394.11	220.6060452	-0.12772	0.412731	-0.30945	0.756976
ENSG00000127580.17	220.8122405	0.135918	0.394107	0.344876	0.730188
ENSG00000171843.17	220.8451149	-0.03044	0.402267	-0.07567	0.939683
ENSG00000185880.13	220.9812674	0.303521	0.402279	0.754504	0.450547
ENSG00000188636.4	221.0879729	0.288852	0.486614	0.593596	0.552782
ENSG00000138767.13	221.1961636	-0.15788	0.421354	-0.37469	0.70789
ENSG00000064300.9	221.2880799	-0.12713	0.662828	-0.1918	0.847901
ENSG00000122335.17	221.347578	0.000196	0.398845	0.000491	0.999608
ENSG00000175265.17	221.3775926	0.023637	0.396375	0.059634	0.952447
ENSG00000219545.11	221.5531532	-0.33421	0.414205	-0.80686	0.419748
ENSG00000125817.8	221.5782495	1.183187	0.433559	2.729012	0.006352
ENSG00000110921.14	221.7147851	-0.3774	0.498865	-0.75653	0.449334
ENSG00000166004.15	221.9105515	0.010127	0.398596	0.025407	0.97973
ENSG00000100485.12	221.9391341	0.104826	0.386697	0.271079	0.78633
ENSG00000101052.13	222.1298564	-0.30081	0.393681	-0.76411	0.444804
ENSG00000127080.10	222.1352653	-0.05897	0.388351	-0.15186	0.879301
ENSG00000107902.14	222.2330617	-0.391	0.440825	-0.88696	0.375098
ENSG00000120837.8	222.2935073	-0.44717	0.402654	-1.11055	0.266764
ENSG00000151498.12	222.3085665	-0.25839	0.391175	-0.66054	0.50891
ENSG00000136643.12	222.4707874	-0.60516	0.430716	-1.405	0.16002
ENSG00000178449.9	222.4754376	0.308652	0.412906	0.747512	0.454754
ENSG00000008838.20	222.5048095	0.453345	0.393265	1.152773	0.249003
ENSG00000162545.6	222.5167231	0.683123	0.39962	1.709434	0.087371
ENSG00000103245.14	222.5528782	-0.3599	0.43561	-0.8262	0.408692
ENSG00000165943.5	222.5880756	0.292238	0.403925	0.723495	0.469376
ENSG00000110931.19	222.6602421	-0.26938	0.396411	-0.67954	0.496794
ENSG00000115648.14	222.6680529	-0.27412	0.393446	-0.69673	0.485973
ENSG00000187066.8	222.7784433	-0.23891	0.392773	-0.60827	0.543007
ENSG00000285043.1	222.8172394	-0.38947	0.455518	-0.85501	0.392543
ENSG00000118596.12	222.8586484	-0.39423	0.432386	-0.91176	0.361893
ENSG00000253356.1	222.922005	-0.12198	0.386369	-0.31571	0.752223
ENSG00000164117.14	222.9624636	-0.40001	0.422129	-0.94759	0.343337
ENSG00000185551.15	222.973088	0.568472	0.389088	1.461037	0.144005
ENSG00000176393.11	222.9820257	0.325429	0.388997	0.836585	0.402826
ENSG00000163082.10	222.9852582	0.495103	0.424538	1.166218	0.243526
ENSG00000092853.14	223.0059205	0.427372	0.392645	1.088443	0.276399
ENSG00000178974.10	223.0321407	-0.05817	0.433461	-0.13419	0.893249
ENSG00000171227.7	223.126389	-0.45855	0.600642	-0.76343	0.44521
ENSG00000151657.12	223.1388405	0.14463	0.454682	0.318091	0.750416
ENSG00000076984.18	223.2784125	0.365843	0.407815	0.89708	0.369676
ENSG00000066422.5	223.3336324	-0.2914	0.406213	-0.71736	0.473154
ENSG00000164050.13	223.3391755	0.14733	0.415386	0.354681	0.722829
ENSG00000173214.7	223.3534542	-0.47747	0.387154	-1.23329	0.217468
ENSG00000005436.14	223.3911144	-0.47093	0.465402	-1.01188	0.311594
ENSG00000100221.10	223.4752485	0.355291	0.394252	0.901178	0.367494
ENSG00000267576.1	223.5649985	-0.68881	0.458561	-1.5021	0.133071
ENSG00000136859.10	223.6099538	-0.69478	0.443454	-1.56675	0.117173
ENSG00000172260.15	223.6136549	-0.12535	0.38883	-0.32238	0.747168
ENSG00000160113.5	223.7785437	0.429975	0.393011	1.094053	0.273932
ENSG00000149311.19	223.8286979	-0.77677	0.477285	-1.62748	0.103634

ENSG00000112282.18	223.9461158	-0.20504	0.430614	-0.47615	0.633967
ENSG00000152240.13	223.9464275	-0.29839	0.419089	-0.712	0.476466
ENSG00000090020.11	223.9568926	0.445795	0.413265	1.078715	0.280715
ENSG00000147231.14	223.9759959	-0.25178	0.468956	-0.53689	0.591343
ENSG00000139874.6	224.0128725	-0.26797	0.492842	-0.54372	0.586635
ENSG00000131370.16	224.1497319	-0.22177	0.397036	-0.55855	0.576466
ENSG00000185630.19	224.2285415	0.024479	0.389916	0.062779	0.949943
ENSG00000144036.16	224.2877415	-0.09864	0.389606	-0.25317	0.800139
ENSG00000004139.14	224.2883329	-0.52637	0.41714	-1.26185	0.207002
ENSG00000089060.11	224.3009291	-0.28551	0.398247	-0.71692	0.473423
ENSG00000095485.18	224.4208995	-0.15882	0.390608	-0.4066	0.684303
ENSG00000104889.7	224.552932	-0.11349	0.390295	-0.29079	0.771211
ENSG00000181472.5	224.598597	-0.48466	0.410688	-1.18012	0.237951
ENSG00000198736.11	224.6173285	-0.23106	0.401415	-0.57561	0.564878
ENSG00000168275.16	224.7540989	0.023293	0.395935	0.058831	0.953087
ENSG00000104365.15	224.7984646	0.118712	0.442093	0.268523	0.788297
ENSG00000076351.13	225.0142063	-0.32038	0.387037	-0.82777	0.407803
ENSG00000197375.13	225.0409355	-0.64998	0.390626	-1.66395	0.096123
ENSG00000111961.18	225.1855882	0.25208	0.401702	0.62753	0.530312
ENSG00000165030.4	225.2235512	0.216697	0.504178	0.429803	0.667339
ENSG00000042088.14	225.2265576	-0.5455	0.430932	-1.26586	0.205563
ENSG00000112406.5	225.2449488	-0.54652	0.441475	-1.23794	0.215738
ENSG00000053747.16	225.4142873	0.595235	0.47626	1.24981	0.211369
ENSG00000162981.14	225.4454302	0.37182	0.458289	0.811323	0.41718
ENSG00000181523.13	225.473894	0.316668	0.391433	0.808996	0.418517
ENSG00000181315.11	225.7690726	-0.43497	0.396208	-1.09784	0.272277
ENSG00000075240.17	225.8782425	0.040799	0.391229	0.104285	0.916944
ENSG00000204642.14	225.8800174	0.615387	0.434059	1.41775	0.156264
ENSG00000117593.12	225.9255607	-0.41441	0.436464	-0.94947	0.342381
ENSG00000152128.13	225.9317438	0.07123	0.405043	0.175857	0.860406
ENSG00000114626.18	225.9319595	-0.74437	0.419508	-1.77439	0.075999
ENSG00000138032.21	225.9485273	0.083845	0.396668	0.211373	0.832596
ENSG00000227627.3	225.9824217	-0.22277	0.40681	-0.5476	0.583964
ENSG00000119965.13	226.0246677	-0.96288	0.488545	-1.97091	0.048734
ENSG00000057294.15	226.0386366	-0.13455	0.459549	-0.29278	0.769688
ENSG00000186350.12	226.0664897	0.61708	0.394489	1.56425	0.117759
ENSG00000165891.16	226.146477	-0.29076	0.552356	-0.52639	0.598617
ENSG00000206562.12	226.1963664	-0.53553	0.411347	-1.30189	0.192953
ENSG00000171492.14	226.2374563	0.168066	0.405845	0.414115	0.67879
ENSG00000073711.11	226.2809056	-0.3468	0.385477	-0.89966	0.368304
ENSG00000095321.17	226.4681417	-0.45829	0.405239	-1.13091	0.258093
ENSG00000117411.16	226.4712591	0.504934	0.387686	1.30243	0.192769
ENSG00000241743.4	226.4902233	1.525191	0.571935	2.666719	0.00766
ENSG00000163933.10	226.5369961	-0.49324	0.435949	-1.13141	0.257884
ENSG00000140092.14	226.5398625	-0.35213	0.405062	-0.86932	0.384673
ENSG00000102554.14	226.5433455	0.231438	0.423473	0.546525	0.584705
ENSG00000166225.8	226.582518	-0.78135	0.440143	-1.77523	0.075861
ENSG00000065060.17	226.7414699	-0.20605	0.391975	-0.52566	0.599125
ENSG00000180573.9	226.7513306	0.516894	0.386643	1.336874	0.181264
ENSG00000138386.17	226.7656206	0.100357	0.414528	0.242099	0.808704
ENSG00000145041.15	226.8352545	0.108518	0.401933	0.269991	0.787167
ENSG00000100417.12	226.8436078	0.049028	0.384667	0.127456	0.89858

ENSG00000128059.8	226.9187323	-0.76195	0.397718	-1.91581	0.055389
ENSG00000138375.13	226.9521788	-0.50039	0.385501	-1.29801	0.194283
ENSG00000123213.23	226.9584197	-0.46009	0.512778	-0.89725	0.369587
ENSG00000007516.14	227.0113415	0.400937	0.443562	0.903903	0.366047
ENSG00000204392.11	227.0902391	-0.08395	0.394811	-0.21263	0.831614
ENSG00000103249.18	227.1195223	0.388344	0.387366	1.002523	0.316091
ENSG00000172071.14	227.1696134	-0.52123	0.404774	-1.2877	0.197849
ENSG00000175595.15	227.1700223	-0.58734	0.403838	-1.4544	0.145835
ENSG00000169991.11	227.1814988	0.54287	0.489244	1.109609	0.267168
ENSG00000174405.13	227.2356556	-0.26718	0.419091	-0.63753	0.523782
ENSG00000123815.12	227.323953	-0.42902	0.443637	-0.96704	0.333524
ENSG00000158122.12	227.3402894	-0.12838	0.461977	-0.27789	0.7811
ENSG00000171444.18	227.3729003	-0.10674	0.392688	-0.27182	0.78576
ENSG00000166173.11	227.3820225	0.885283	0.472607	1.873189	0.061042
ENSG00000204381.11	227.3935077	-0.14999	0.39084	-0.38375	0.701162
ENSG00000167130.18	227.4601908	-0.33917	0.443042	-0.76555	0.443944
ENSG00000213918.10	227.4664864	0.227568	0.42024	0.541518	0.588151
ENSG00000137502.10	227.4858338	0.000986	0.394066	0.002502	0.998004
ENSG00000173638.19	227.5779705	0.523714	0.391911	1.33631	0.181448
ENSG00000103460.17	227.6322214	-0.70098	0.420059	-1.66876	0.095165
ENSG00000167562.13	227.6518063	0.304324	0.471437	0.645524	0.518587
ENSG00000168056.16	227.7526064	0.46957	0.409013	1.148057	0.250945
ENSG00000095002.15	227.7529442	-0.10347	0.434654	-0.23806	0.811835
ENSG00000135974.10	227.8009525	0.161681	0.459621	0.351769	0.725011
ENSG00000162775.16	227.9603358	-0.34647	0.43245	-0.80119	0.423023
ENSG00000100226.16	228.0080586	0.587229	0.393242	1.493303	0.135358
ENSG00000107833.10	228.0146398	0.022083	0.403675	0.054705	0.956373
ENSG00000156831.8	228.0386673	0.020907	0.391154	0.053449	0.957374
ENSG00000131732.12	228.1886004	-0.3729	0.44922	-0.83011	0.406474
ENSG00000126266.3	228.2286429	-0.36445	0.51037	-0.71409	0.47517
ENSG00000196177.13	228.3570442	-0.73528	0.394587	-1.86342	0.062403
ENSG00000178498.16	228.3968996	-0.2852	0.39447	-0.72299	0.469685
ENSG00000147789.15	228.6130133	-0.35507	0.406652	-0.87315	0.382582
ENSG00000204673.11	228.6530688	0.39517	0.437067	0.904142	0.36592
ENSG00000266094.8	228.6585548	-0.11649	0.387758	-0.30041	0.763865
ENSG00000128607.14	228.8739397	0.18324	0.383383	0.477955	0.632682
ENSG00000178053.19	228.8886734	-0.51347	0.384492	-1.33545	0.181729
ENSG00000168434.13	228.976794	-0.15818	0.389847	-0.40574	0.684931
ENSG00000205659.11	228.9854891	-0.31217	0.420442	-0.74249	0.45779
ENSG00000134853.12	229.0291982	-0.02325	0.420404	-0.0553	0.955896
ENSG00000165630.14	229.0593824	-0.53702	0.409415	-1.31169	0.189625
ENSG00000125124.13	229.1146805	-0.61466	0.40942	-1.50129	0.133281
ENSG00000139579.13	229.1451604	-0.3073	0.406675	-0.75564	0.449864
ENSG00000197265.9	229.1493553	0.418152	0.39056	1.070646	0.284329
ENSG00000124523.16	229.1579114	-0.77687	0.446383	-1.74036	0.081796
ENSG00000179832.17	229.1703033	0.580505	0.388446	1.494431	0.135063
ENSG00000164904.18	229.1834026	-0.50903	0.408511	-1.24606	0.212744
ENSG00000168116.14	229.2189446	-0.09074	0.399201	-0.2273	0.820194
ENSG00000010803.16	229.2650173	0.316348	0.392524	0.805932	0.420282
ENSG00000139209.16	229.3435318	-0.07791	0.651315	-0.11963	0.90478
ENSG00000104228.13	229.3498091	-0.23761	0.390552	-0.60839	0.542932
ENSG00000107672.15	229.3731453	0.002729	0.38643	0.007061	0.994366

ENSG00000162337.12	229.3917381	0.88171	0.452598	1.948108	0.051402
ENSG00000121289.18	229.4304331	-0.39316	0.387906	-1.01355	0.310797
ENSG00000120733.14	229.4977776	0.275198	0.384564	0.715611	0.474232
ENSG00000069248.12	229.5044222	0.433057	0.411563	1.052223	0.292697
ENSG00000170473.17	229.5135925	-0.17275	0.398747	-0.43324	0.664839
ENSG00000167114.13	229.5167484	-0.15761	0.38703	-0.40722	0.683844
ENSG00000177383.5	229.5203334	0.763337	0.515226	1.481557	0.138458
ENSG00000198189.11	229.5217187	-0.38393	0.402976	-0.95273	0.340729
ENSG00000196547.15	229.539382	-0.33508	0.405904	-0.82551	0.409084
ENSG00000198825.15	229.5401795	-0.28174	0.48468	-0.5813	0.56104
ENSG00000165521.15	229.5453411	-0.18559	0.393917	-0.47114	0.637543
ENSG00000121058.5	229.5486659	-0.1272	0.399229	-0.31861	0.750025
ENSG00000139508.15	229.551644	-0.61556	0.431026	-1.42812	0.153258
ENSG00000185238.13	229.5517218	-0.60623	0.391741	-1.54753	0.121734
ENSG00000158109.15	229.5522646	0.218853	0.392692	0.557313	0.577313
ENSG00000116497.18	229.6154279	-0.21251	0.419417	-0.50669	0.612374
ENSG00000163104.18	229.6295392	-0.31524	0.384185	-0.82054	0.411906
ENSG00000087206.17	229.7640481	-0.37345	0.405904	-0.92004	0.357552
ENSG00000111424.12	229.8084034	0.177181	0.39554	0.447947	0.654191
ENSG00000076641.4	229.8255376	-0.17669	0.392064	-0.45068	0.652223
ENSG00000174165.8	230.0196473	-0.06183	0.433631	-0.14258	0.886623
ENSG00000136444.10	230.0647486	0.13344	0.384391	0.347146	0.728482
ENSG00000141556.21	230.1232421	0.726044	0.423587	1.714038	0.086522
ENSG00000134597.16	230.1717488	0.378802	0.418351	0.905465	0.365219
ENSG00000136280.17	230.2637199	0.516801	0.407566	1.268019	0.204791
ENSG00000250722.6	230.2782525	0.311237	0.46496	0.669385	0.50325
ENSG00000272047.3	230.3319649	0.147107	0.386069	0.381039	0.703174
ENSG00000147383.11	230.5141854	-0.21178	0.445266	-0.47564	0.634334
ENSG00000197013.10	230.5908269	-0.39788	0.406676	-0.97838	0.327887
ENSG00000137177.20	230.6540765	0.149137	0.392671	0.379802	0.704093
ENSG00000022267.19	230.6567604	-0.10729	0.382994	-0.28013	0.779378
ENSG00000136243.17	230.6728812	-0.34864	0.38841	-0.89762	0.36939
ENSG00000147202.18	230.7408961	-0.05133	0.403033	-0.12736	0.898659
ENSG00000162385.11	230.8032572	-0.37456	0.408746	-0.91638	0.35947
ENSG00000139405.16	230.8132399	-0.36495	0.417106	-0.87496	0.381596
ENSG00000130725.8	230.8867877	0.780494	0.410441	1.901599	0.057224
ENSG00000094631.21	230.9777529	-0.03988	0.386042	-0.1033	0.917725
ENSG00000109452.12	230.9936889	-0.31282	0.388191	-0.80584	0.420337
ENSG00000170949.17	231.0477298	-0.30765	0.389075	-0.79072	0.42911
ENSG00000204231.11	231.0627837	-0.14531	0.40675	-0.35725	0.720901
ENSG00000176624.12	231.1750932	0.257507	0.396325	0.649737	0.515862
ENSG00000010322.16	231.2054998	-0.20411	0.382703	-0.53334	0.593795
ENSG00000155657.27	231.2534084	-1.43111	0.405511	-3.52915	0.000417
ENSG00000155158.20	231.2755279	-0.60316	0.446802	-1.34995	0.177031
ENSG00000197753.11	231.3153147	-0.13277	0.404859	-0.32795	0.742949
ENSG00000008083.14	231.3511983	-0.02418	0.395278	-0.06117	0.951226
ENSG00000101901.12	231.4811477	-0.44185	0.404355	-1.09272	0.274516
ENSG00000110756.18	231.4980807	-0.42036	0.385232	-1.09119	0.275189
ENSG00000144233.10	231.4994187	0.174226	0.404535	0.430682	0.6667
ENSG00000181924.7	231.5095529	0.413941	0.408816	1.012539	0.311281
ENSG00000173166.18	231.6479008	-0.30838	0.383826	-0.80344	0.421721
ENSG00000182173.13	231.6951979	-0.23587	0.388264	-0.60751	0.543512

ENSG00000163684.11	231.7223219	-0.42082	0.428262	-0.98262	0.325794
ENSG00000167508.12	231.7369806	0.213011	0.390778	0.545095	0.585688
ENSG00000204922.5	231.7394643	0.340456	0.410103	0.830173	0.406441
ENSG00000165233.18	231.8746805	0.050793	0.403304	0.125943	0.899777
ENSG00000179833.4	231.981919	0.118471	0.390793	0.303154	0.761772
ENSG00000084710.14	232.0445273	-0.33449	0.476392	-0.70212	0.482603
ENSG00000086827.9	232.065203	-0.42986	0.412859	-1.04117	0.297795
ENSG00000104689.10	232.1355257	-0.39109	0.386376	-1.01221	0.311439
ENSG00000033170.17	232.1424885	-0.59604	0.402676	-1.48021	0.138818
ENSG00000272620.2	232.1505105	0.077738	0.38656	0.201101	0.840619
ENSG00000198646.14	232.1915859	0.14839	0.435248	0.340931	0.733155
ENSG00000153179.13	232.2200339	0.108351	0.39233	0.276172	0.782416
ENSG00000171953.16	232.2546857	-0.1856	0.419898	-0.44201	0.658483
ENSG00000161091.13	232.2974533	0.836644	0.394583	2.120324	0.033979
ENSG00000184162.15	232.2977173	-0.26676	0.382992	-0.69651	0.486107
ENSG00000183828.15	232.4069822	-0.45972	0.418523	-1.09843	0.272017
ENSG00000239382.10	232.427679	0.034843	0.383724	0.090802	0.92765
ENSG00000269888.1	232.4308315	-0.05132	0.448609	-0.11439	0.908928
ENSG00000150907.10	232.5097892	-0.06052	0.387677	-0.15612	0.875942
ENSG00000103356.18	232.5638059	0.287918	0.401934	0.71633	0.473788
ENSG00000170802.16	232.5895044	-0.47053	0.382421	-1.2304	0.218548
ENSG00000122707.12	232.6354746	-0.13809	0.422319	-0.32698	0.743685
ENSG00000126790.12	232.655054	-0.28635	0.387415	-0.73913	0.459826
ENSG00000125484.12	232.7160805	0.217109	0.382835	0.56711	0.57064
ENSG00000096093.16	232.9420786	-0.0285	0.39458	-0.07224	0.942415
ENSG00000226950.8	232.9575643	0.009915	0.381303	0.026003	0.979255
ENSG00000167034.10	232.9587868	0.150506	0.448313	0.335717	0.737084
ENSG00000117408.11	233.1613682	-0.11698	0.394907	-0.29622	0.767064
ENSG00000072062.14	233.1968287	0.579994	0.394212	1.471274	0.141217
ENSG00000132467.4	233.2290935	0.685113	0.415232	1.649952	0.098953
ENSG00000070269.14	233.2955435	-0.35747	0.450264	-0.79391	0.427249
ENSG00000092140.16	233.3494674	-0.03181	0.406388	-0.07826	0.937619
ENSG00000197982.14	233.445523	0.518184	0.394421	1.313785	0.188918
ENSG00000141971.13	233.5319181	0.16268	0.400852	0.405836	0.684863
ENSG00000139192.12	233.6672597	-0.12774	0.398204	-0.32078	0.748377
ENSG00000168398.6	233.69067	0.320574	0.384203	0.834388	0.404063
ENSG00000150967.18	233.7085857	0.118305	0.402187	0.294155	0.768639
ENSG00000099814.16	233.7441913	0.374038	0.384585	0.972577	0.330764
ENSG00000133704.10	233.9303396	0.124705	0.389609	0.320077	0.74891
ENSG00000132670.20	233.9957844	0.29889	0.38551	0.77531	0.438156
ENSG00000038002.9	234.0444438	-0.58072	0.429832	-1.35104	0.176681
ENSG00000147679.12	234.0728356	-0.31736	0.401052	-0.79132	0.428758
ENSG00000118096.9	234.0776745	-0.54748	0.390415	-1.40231	0.160822
ENSG00000100749.8	234.0809966	0.042598	0.42389	0.100492	0.919954
ENSG00000170921.15	234.1347094	-0.10765	0.3971	-0.2711	0.786315
ENSG00000165175.15	234.1774188	0.328953	0.400894	0.82055	0.411903
ENSG00000113597.18	234.2233654	-0.43032	0.392555	-1.09621	0.272986
ENSG00000214022.11	234.2443128	1.016822	0.404691	2.512591	0.011985
ENSG00000146859.6	234.2915299	-0.20678	0.411407	-0.50262	0.61523
ENSG00000154080.14	234.3350985	-0.55492	0.504885	-1.0991	0.271723
ENSG00000146083.12	234.3704646	-0.28711	0.394126	-0.72848	0.466318
ENSG00000112062.11	234.407563	0.298595	0.386944	0.771674	0.440307

ENSG00000261609.8	234.407762	-0.50209	0.402628	-1.24703	0.212386
ENSG00000128191.16	234.4085834	0.723067	0.415451	1.740437	0.081782
ENSG00000162407.9	234.5258917	0.228196	0.392493	0.581401	0.560971
ENSG00000115183.15	234.6357453	0.184461	0.404939	0.455527	0.64873
ENSG00000140279.13	234.706695	-0.02839	0.422279	-0.06722	0.946404
ENSG00000076321.11	234.7364616	0.075852	0.385983	0.196516	0.844207
ENSG00000240230.6	234.9711535	-0.04361	0.383712	-0.11365	0.909515
ENSG00000081923.15	235.0435795	0.383692	0.400064	0.959078	0.337519
ENSG00000138794.10	235.0579861	-0.56443	0.426275	-1.32411	0.185468
ENSG00000157110.16	235.1289231	0.519196	0.450571	1.152307	0.249195
ENSG00000156990.14	235.1837224	-0.16066	0.398078	-0.40358	0.686521
ENSG00000105808.18	235.243409	-0.07747	0.399886	-0.19373	0.846385
ENSG00000088808.18	235.2736653	-0.09625	0.388202	-0.24795	0.804174
ENSG00000104884.16	235.6495989	0.28041	0.38293	0.732276	0.464
ENSG00000137275.14	235.6530609	-0.55389	0.438323	-1.26366	0.206351
ENSG00000100023.19	235.6688946	0.112448	0.384515	0.292442	0.769949
ENSG00000072201.14	235.6795132	-0.27523	0.386596	-0.71192	0.476515
ENSG00000005206.17	235.6966606	-0.1665	0.409894	-0.4062	0.684594
ENSG00000151014.6	235.7480283	-0.24782	0.420277	-0.58966	0.555421
ENSG00000175183.10	235.8339065	0.165031	0.401577	0.410957	0.681104
ENSG00000170113.16	235.8826329	-0.31424	0.401234	-0.78319	0.433517
ENSG00000053900.11	235.8864109	-0.3116	0.416406	-0.7483	0.454278
ENSG00000183808.11	235.9227394	-0.34265	0.407308	-0.84126	0.400205
ENSG00000163930.10	236.0329095	0.050974	0.412245	0.123651	0.901592
ENSG00000167740.10	236.1101971	0.164131	0.412322	0.398064	0.690583
ENSG00000245937.8	236.1355038	-0.13559	0.415607	-0.32624	0.74424
ENSG00000077514.9	236.1452606	0.1375	0.465689	0.295261	0.767794
ENSG00000128928.10	236.1899162	-0.60749	0.383897	-1.58243	0.113552
ENSG00000198732.11	236.2237226	-0.6675	0.448091	-1.48965	0.136317
ENSG00000176542.10	236.2310267	-0.30741	0.39314	-0.78193	0.434257
ENSG00000110074.11	236.2709023	-0.31278	0.389336	-0.80337	0.42176
ENSG00000183648.11	236.2745108	0.894159	0.386181	2.315386	0.020592
ENSG00000109381.20	236.3064862	-0.35695	0.416106	-0.85783	0.390985
ENSG00000102466.15	236.3291079	-0.87045	0.601184	-1.4479	0.147646
ENSG00000235590.7	236.3443048	-0.92153	0.490431	-1.87902	0.060242
ENSG00000149262.17	236.3741873	-0.25358	0.435871	-0.58178	0.560716
ENSG00000150776.18	236.3884956	0.247376	0.424848	0.58227	0.560385
ENSG00000213123.11	236.4302909	-0.07105	0.395894	-0.17947	0.857571
ENSG00000119616.11	236.5077782	-0.90532	0.420675	-2.15207	0.031392
ENSG00000137817.17	236.5754087	0.334491	0.409591	0.816647	0.41413
ENSG00000142327.13	236.5896485	0.480555	0.403503	1.190957	0.23367
ENSG00000286125.1	236.7216894	-0.19496	0.398738	-0.48894	0.624886
ENSG00000197771.13	236.8129557	0.261319	0.381488	0.684998	0.493345
ENSG00000166289.6	236.9023691	-0.79792	0.421981	-1.89089	0.058638
ENSG00000100889.12	236.9868717	-0.34811	0.412002	-0.84492	0.398156
ENSG00000104714.14	237.0721698	-0.04304	0.414537	-0.10383	0.917305
ENSG00000248092.8	237.2383787	0.400525	0.435967	0.918706	0.358249
ENSG00000088992.18	237.3175682	0.83261	0.462607	1.79982	0.071889
ENSG00000204237.5	237.4642545	0.051175	0.382649	0.13374	0.893608
ENSG00000104518.11	237.4804681	-0.01846	0.383183	-0.04818	0.961577
ENSG00000070018.9	237.4966536	-0.2184	0.425621	-0.51312	0.607865
ENSG00000140525.19	237.6200214	0.47785	0.444633	1.074707	0.282506

ENSG00000138092.11	237.6730205	0.221464	0.383778	0.577061	0.563898
ENSG00000131089.17	237.7395525	-0.17929	0.385882	-0.46462	0.642202
ENSG00000175567.10	237.8219295	-0.82306	0.459606	-1.7908	0.073325
ENSG00000185532.20	238.1269496	0.573514	0.449713	1.27529	0.202207
ENSG00000070366.14	238.2227925	0.291716	0.389455	0.749038	0.453834
ENSG00000139970.17	238.2314062	0.057702	0.457994	0.125989	0.899741
ENSG00000153786.13	238.2981561	-0.08171	0.388553	-0.2103	0.833434
ENSG00000160336.15	238.5295868	-0.3969	0.413262	-0.96041	0.336847
ENSG00000160714.10	238.5388438	0.075461	0.380496	0.198324	0.842792
ENSG00000281344.1	238.6497197	1.895411	0.606216	3.126628	0.001768
ENSG00000101040.19	238.6826946	0.647977	0.491976	1.317092	0.187808
ENSG00000137094.15	238.7855445	-0.5025	0.463983	-1.08301	0.278804
ENSG00000136213.10	238.7897291	-0.4492	0.433217	-1.03688	0.299791
ENSG00000225484.7	238.8280816	-0.28196	0.380898	-0.74026	0.459143
ENSG00000166851.15	238.9295636	0.886339	0.497507	1.781561	0.074821
ENSG00000263465.4	238.9577115	0.025149	0.408477	0.061569	0.950906
ENSG00000182749.6	238.9935494	0.231696	0.486394	0.476354	0.633822
ENSG00000112210.12	239.044471	0.147398	0.397288	0.371011	0.71063
ENSG00000096070.19	239.0650282	0.049446	0.4063	0.121698	0.903138
ENSG00000166377.20	239.0926942	0.381202	0.42988	0.886765	0.375205
ENSG00000288066.1	239.1154791	-0.6306	0.601054	-1.04916	0.294105
ENSG00000081791.9	239.1525678	-0.68564	0.480776	-1.42611	0.153835
ENSG00000182568.17	239.1642276	-0.21371	0.408887	-0.52266	0.601209
ENSG00000143748.18	239.1696376	-0.0654	0.40344	-0.1621	0.871231
ENSG00000170881.5	239.2398583	0.049528	0.387928	0.127674	0.898407
ENSG00000278259.4	239.2514769	0.082891	0.379799	0.21825	0.827235
ENSG00000104129.10	239.3078149	0.08945	0.390324	0.229169	0.818737
ENSG00000177576.12	239.3455875	0.241637	0.478421	0.505071	0.613509
ENSG00000163608.15	239.3901285	-0.50366	0.385982	-1.30488	0.191935
ENSG00000189180.16	239.3929874	-0.27354	0.40826	-0.67001	0.502853
ENSG00000198689.12	239.4075124	-0.43837	0.412337	-1.06314	0.287717
ENSG00000198040.10	239.4256836	-0.20847	0.39498	-0.52779	0.597643
ENSG00000128534.8	239.4673945	-0.24438	0.481568	-0.50747	0.611828
ENSG00000100003.18	239.4777632	-0.57544	0.428105	-1.34416	0.178896
ENSG00000175701.10	239.5341302	0.832321	0.438819	1.896731	0.057863
ENSG00000171992.13	239.585525	1.004574	0.457077	2.197823	0.027962
ENSG00000145476.16	239.6112002	-0.3919	0.386801	-1.01319	0.31097
ENSG00000067798.16	239.6253349	0.142237	0.416501	0.341504	0.732724
ENSG00000107021.16	239.6552883	-0.1736	0.408877	-0.42457	0.671152
ENSG00000174132.9	239.7932236	-0.55706	0.406018	-1.37201	0.170062
ENSG00000123094.15	239.7950417	0.34212	0.442583	0.773007	0.439518
ENSG00000162972.10	239.8573224	-0.33741	0.388991	-0.86739	0.385727
ENSG00000121542.12	239.9463746	-0.57479	0.453734	-1.2668	0.205226
ENSG00000203791.15	240.0340119	-0.70053	0.396077	-1.76867	0.076949
ENSG00000132361.17	240.0713652	0.655808	0.403772	1.624205	0.104332
ENSG00000139645.10	240.337332	0.690581	0.400737	1.723279	0.084838
ENSG00000114770.17	240.3727499	-0.12855	0.385192	-0.33374	0.738576
ENSG00000135945.10	240.4360064	-0.16199	0.381966	-0.42409	0.671503
ENSG00000172156.4	240.5331257	0.110861	0.519059	0.213581	0.830874
ENSG00000005302.19	240.6298591	0.37261	0.41315	0.901874	0.367124
ENSG00000164068.16	240.6419207	0.215609	0.388738	0.554639	0.579142
ENSG00000198793.13	240.6618407	0.180332	0.427857	0.421477	0.673407

ENSG00000169627.9	240.711676	0.961477	0.394362	2.438059	0.014766
ENSG00000142528.16	241.0752799	-0.62718	0.443465	-1.41427	0.157282
ENSG00000175130.7	241.081435	0.583743	0.430597	1.355661	0.175207
ENSG00000075188.9	241.0968554	-0.42229	0.42383	-0.99637	0.319069
ENSG00000106443.17	241.1128952	0.719142	0.46751	1.538239	0.12399
ENSG00000175305.17	241.1773223	0.260034	0.505706	0.5142	0.607112
ENSG00000171241.9	241.1879507	0.978463	0.468626	2.087937	0.036803
ENSG00000150457.9	241.2438112	0.177531	0.403016	0.440505	0.659571
ENSG00000135900.4	241.2800894	-0.15262	0.397544	-0.3839	0.701056
ENSG00000104881.16	241.3115039	0.738825	0.385228	1.917889	0.055125
ENSG00000187676.8	241.4088745	-0.74154	0.439596	-1.68686	0.09163
ENSG00000136273.13	241.4396859	-0.22895	0.400519	-0.57165	0.567562
ENSG00000167862.10	241.4625825	-0.16537	0.38424	-0.43039	0.666909
ENSG00000117543.21	241.5228903	-0.50434	0.388531	-1.29808	0.19426
ENSG00000139625.13	241.5606143	0.466838	0.392096	1.190623	0.233802
ENSG00000121931.16	241.579632	0.204174	0.450855	0.452859	0.65065
ENSG00000007376.8	241.6069297	-0.14583	0.412714	-0.35335	0.723823
ENSG00000107201.10	241.6199918	-0.78357	0.396598	-1.97574	0.048184
ENSG00000160783.19	241.6444576	-0.52449	0.410194	-1.27863	0.201027
ENSG00000185414.20	241.743575	-0.1503	0.382684	-0.39274	0.69451
ENSG00000146007.11	241.7807862	0.158086	0.391771	0.403518	0.686567
ENSG00000047188.16	241.834938	-0.06565	0.490957	-0.13371	0.893629
ENSG00000167081.18	241.8497721	-0.05805	0.422523	-0.1374	0.890715
ENSG00000141098.13	241.9206681	-0.40635	0.421037	-0.96512	0.334485
ENSG00000180694.14	241.986642	-0.2338	0.382373	-0.61144	0.540906
ENSG00000121851.13	242.0155141	-0.26473	0.403898	-0.65545	0.512178
ENSG00000135709.12	242.1516016	-0.96257	0.432299	-2.22663	0.025972
ENSG00000135540.11	242.1621688	0.359846	0.453806	0.792952	0.427806
ENSG00000136636.13	242.2351775	0.328172	0.383084	0.856656	0.391635
ENSG00000136936.11	242.2680241	0.286239	0.392801	0.728712	0.466178
ENSG00000152270.9	242.2942169	0.302798	0.417734	0.724858	0.468539
ENSG00000086848.15	242.4281068	-0.41174	0.425969	-0.9666	0.333745
ENSG00000197785.14	242.4453122	0.864783	0.404356	2.138666	0.032463
ENSG00000130714.17	242.5515143	-0.30572	0.404775	-0.75529	0.450078
ENSG00000173848.19	242.5893747	-0.45125	0.396608	-1.13778	0.255212
ENSG00000163788.14	242.6200121	-0.18674	0.403363	-0.46295	0.643399
ENSG00000059145.19	242.6279619	-0.3526	0.411923	-0.85598	0.392006
ENSG00000148773.14	242.6406575	0.732407	0.469565	1.559756	0.118818
ENSG00000047621.12	242.6510242	-0.62978	0.437687	-1.43889	0.150181
ENSG00000124177.15	242.7322746	-0.10686	0.402366	-0.26558	0.79056
ENSG00000147592.9	242.7496879	-0.17694	0.381053	-0.46434	0.642401
ENSG00000156858.12	242.7560893	-0.12806	0.37961	-0.33734	0.735859
ENSG00000134874.18	242.7679384	0.484313	0.386711	1.25239	0.210428
ENSG00000117569.19	242.8497514	-0.47623	0.413702	-1.15114	0.249676
ENSG00000100056.12	242.9309481	0.027246	0.386223	0.070544	0.943761
ENSG00000104976.12	242.983494	-0.38744	0.410381	-0.9441	0.345119
ENSG00000117472.10	243.1558675	-0.50534	0.424693	-1.1899	0.234084
ENSG00000137038.8	243.2006856	0.505022	0.431349	1.170795	0.241681
ENSG00000275302.2	243.225308	-0.05834	0.643861	-0.09061	0.927802
ENSG00000040487.13	243.2442454	-0.23209	0.381493	-0.60838	0.542937
ENSG00000148019.14	243.25013	0.058795	0.393269	0.149504	0.881156
ENSG00000068885.15	243.2656225	-0.56277	0.393678	-1.42951	0.152857

ENSG00000119929.13	243.2733784	-0.82977	0.40198	-2.0642	0.038999
ENSG00000079156.17	243.5592365	-0.41745	0.396452	-1.05297	0.292352
ENSG00000187954.12	243.6101721	-0.03064	0.390507	-0.07847	0.937451
ENSG00000116815.16	243.687887	-0.68409	0.459368	-1.4892	0.136436
ENSG00000181038.14	243.7827913	-0.58689	0.441327	-1.32983	0.183574
ENSG00000185483.12	243.8530987	-0.40504	0.438211	-0.92431	0.355326
ENSG00000103043.15	243.9224333	0.819862	0.425599	1.926373	0.054058
ENSG00000169255.15	243.9963555	-1.08941	0.499196	-2.18232	0.029086
ENSG00000108384.15	244.0157625	-0.28906	0.402871	-0.71751	0.473062
ENSG00000113273.17	244.096574	0.088402	0.400683	0.220629	0.825381
ENSG00000162851.8	244.1077927	-0.17637	0.386611	-0.45619	0.648253
ENSG00000145386.11	244.1992735	0.62041	0.494589	1.254396	0.209698
ENSG00000153574.9	244.202608	-0.60417	0.37956	-1.59177	0.111437
ENSG00000130707.18	244.2093848	-0.50092	0.414862	-1.20744	0.227261
ENSG00000137809.17	244.2126531	-0.72983	0.43548	-1.67591	0.093756
ENSG00000184209.15	244.2557389	0.34616	0.490119	0.706279	0.480015
ENSG00000139636.15	244.3197552	-0.5365	0.394052	-1.3615	0.173357
ENSG00000160695.15	244.4823422	0.341216	0.389581	0.875855	0.381109
ENSG00000198142.5	244.5531801	0.148922	0.390724	0.381144	0.703096
ENSG00000149573.9	244.5615835	-0.38695	0.457901	-0.84506	0.39808
ENSG00000101000.6	244.5647976	-0.50846	0.417874	-1.21678	0.223687
ENSG00000175283.8	244.7920826	-0.5561	1.182503	-0.47027	0.638162
ENSG00000166801.16	244.7939605	-0.08343	0.451259	-0.18489	0.853319
ENSG00000113360.16	244.8312854	0.708101	0.392608	1.803585	0.071296
ENSG00000198839.10	244.8364504	-0.42827	0.394942	-1.08438	0.278197
ENSG00000063587.15	244.8399435	-0.18255	0.395414	-0.46168	0.644312
ENSG00000106070.20	244.8403055	0.541081	0.466254	1.160486	0.245851
ENSG00000279198.1	245.0718608	-0.01757	0.378993	-0.04635	0.96303
ENSG00000175482.9	245.1104272	-0.38733	0.402203	-0.96303	0.335532
ENSG00000204438.11	245.1139082	0.068745	0.405654	0.169467	0.865429
ENSG0000020426.11	245.1305183	0.098891	0.377467	0.261986	0.793332
ENSG00000178162.8	245.1740058	-0.41827	0.41044	-1.01908	0.308163
ENSG00000142684.9	245.1930227	0.092437	0.456482	0.202499	0.839527
ENSG00000110274.16	245.2089496	-0.01645	0.391736	-0.042	0.9665
ENSG00000185187.13	245.4706841	-0.46726	0.446128	-1.04738	0.294926
ENSG00000128908.17	245.5930872	0.69933	0.492112	1.42108	0.155294
ENSG00000089335.21	245.8117288	-0.25085	0.390498	-0.64238	0.520624
ENSG00000188312.14	245.8310495	-0.21457	0.408148	-0.52572	0.599084
ENSG00000057935.14	245.919072	0.088448	0.3934	0.224829	0.822112
ENSG00000173218.15	245.926607	-0.82277	0.496641	-1.65668	0.097585
ENSG00000144827.9	245.9268018	-0.59866	0.402469	-1.48747	0.136891
ENSG00000163281.12	246.0659083	-0.99991	0.456589	-2.18995	0.028528
ENSG00000181751.10	246.1603027	-0.27818	0.440534	-0.63145	0.527746
ENSG00000079102.16	246.2017579	0.198024	0.41131	0.481447	0.630199
ENSG00000134086.8	246.2494433	0.126533	0.425578	0.297321	0.766221
ENSG00000231721.7	246.4109725	-0.31864	0.381875	-0.83441	0.404051
ENSG00000157895.11	246.448107	-0.0703	0.377742	-0.1861	0.85237
ENSG00000198901.14	246.6093068	0.633586	0.419974	1.508632	0.131393
ENSG00000152382.6	246.6317044	-0.88755	0.415114	-2.1381	0.032509
ENSG00000168078.10	246.8793773	0.180644	0.496036	0.364175	0.715728
ENSG00000109738.11	246.9319613	-0.67642	0.419047	-1.61419	0.106486
ENSG00000214293.9	247.0760884	-0.36425	0.50872	-0.71601	0.473985

ENSG00000148339.12	247.1926815	0.310179	0.387022	0.80145	0.422871
ENSG00000107186.16	247.2095507	-0.55117	0.399728	-1.37885	0.16794
ENSG00000152422.16	247.2126154	-0.5223	0.380037	-1.37434	0.169335
ENSG00000107954.10	247.2374045	0.100219	0.498339	0.201106	0.840616
ENSG00000123700.5	247.2527755	-0.29647	0.397625	-0.74559	0.455915
ENSG00000113812.14	247.5543805	-0.23823	0.383533	-0.62114	0.534509
ENSG00000114529.13	247.6818689	-0.43993	0.396029	-1.11085	0.266631
ENSG00000169221.14	247.7048729	0.669789	0.418064	1.602123	0.109129
ENSG00000172379.21	247.7580748	0.462114	0.386538	1.195518	0.231885
ENSG0000012822.16	247.8584877	-0.15795	0.378754	-0.41702	0.676666
ENSG00000161036.13	247.9299286	-0.04053	0.383192	-0.10577	0.915762
ENSG00000054983.17	247.934731	-0.38617	0.390992	-0.98768	0.323311
ENSG00000166398.14	247.9398456	0.129649	0.532046	0.24368	0.807478
ENSG00000162174.12	247.9848448	-0.18386	0.385342	-0.47715	0.633257
ENSG00000134014.17	248.0379956	-0.03618	0.379398	-0.09537	0.924019
ENSG00000179364.14	248.1104043	0.382229	0.425787	0.8977	0.369346
ENSG00000134897.14	248.1129787	-0.11963	0.410761	-0.29123	0.770875
ENSG00000145736.14	248.1381498	-0.41197	0.384664	-1.07098	0.284178
ENSG00000213079.10	248.2187984	0.062581	0.381681	0.163962	0.869761
ENSG00000071539.14	248.2203157	-0.0973	0.481396	-0.20211	0.839829
ENSG00000107863.18	248.2238927	0.193547	0.44595	0.434009	0.664282
ENSG00000138074.15	248.3147076	-0.44731	0.425578	-1.05106	0.293231
ENSG00000147475.17	248.3987065	0.055718	0.427513	0.13033	0.896306
ENSG00000104427.12	248.4217463	-0.89026	0.425777	-2.09092	0.036536
ENSG00000126767.18	248.4228512	-0.14048	0.381547	-0.3682	0.712726
ENSG00000177105.10	248.4446001	0.164236	0.387178	0.424186	0.67143
ENSG00000123104.12	248.6037036	0.406213	0.431155	0.942151	0.346115
ENSG00000111445.14	248.6957661	0.233851	0.387299	0.603799	0.545977
ENSG00000175662.18	248.8049286	-0.36555	0.387255	-0.94394	0.345199
ENSG00000169188.5	248.8066558	-0.20072	0.422146	-0.47548	0.634443
ENSG00000160741.17	248.8262688	-0.35678	0.410239	-0.86968	0.384475
ENSG00000110697.13	248.9959236	0.398109	0.379746	1.048355	0.294475
ENSG00000136319.12	249.0292626	-0.46126	0.487675	-0.94583	0.344234
ENSG00000204351.12	249.1626387	0.581545	0.398238	1.460297	0.144209
ENSG00000197114.12	249.2453459	-0.30907	0.405773	-0.76169	0.446247
ENSG00000100605.17	249.3300281	-0.00542	0.381103	-0.01423	0.988643
ENSG00000164414.18	249.3914638	-0.81678	0.450407	-1.81342	0.069767
ENSG00000166024.13	249.6536697	-0.30503	0.392081	-0.77799	0.436576
ENSG00000256060.3	249.7631628	0.125442	0.393445	0.318831	0.749855
ENSG00000009780.16	249.8132143	-0.26851	0.458746	-0.58532	0.558335
ENSG00000172432.19	249.8579487	-0.31775	0.423133	-0.75094	0.452691
ENSG00000136848.17	249.8601222	0.172063	0.392541	0.438332	0.661146
ENSG00000160013.9	249.9719776	0.410035	0.398488	1.028975	0.303491
ENSG00000079134.12	249.9926317	-0.41998	0.382784	-1.09717	0.272565
ENSG00000125457.14	250.1129896	-0.64034	0.378637	-1.69117	0.090804
ENSG00000130522.6	250.200428	1.083487	0.449685	2.409437	0.015977
ENSG00000138079.14	250.308482	-0.40389	0.380163	-1.06242	0.288044
ENSG00000149743.14	250.321817	-0.37182	0.398359	-0.93337	0.350629
ENSG00000164151.12	250.362433	0.840131	0.466663	1.800296	0.071814
ENSG00000113838.13	250.3700581	-0.41811	0.419242	-0.99729	0.318623
ENSG00000122085.17	250.5092208	-0.55347	0.420266	-1.31695	0.187856
ENSG00000125375.16	250.5182226	-0.21447	0.438108	-0.48953	0.624468

ENSG00000159363.19	250.5377635	0.665278	0.396385	1.678363	0.093276
ENSG00000085978.22	250.5734747	0.088056	0.385173	0.228614	0.819169
ENSG00000174238.15	250.6314214	0.578548	0.410174	1.410494	0.158394
ENSG00000125089.17	250.748994	0.205405	0.409165	0.50201	0.61566
ENSG00000063015.20	250.7952693	-0.67171	0.511829	-1.31236	0.189398
ENSG00000198369.10	250.8057097	-0.26485	0.395981	-0.66885	0.503588
ENSG00000069431.11	250.9263649	0.680188	0.432261	1.573558	0.11559
ENSG00000182667.14	250.9880168	-0.29737	0.406831	-0.73095	0.464808
ENSG00000149599.15	251.0512685	-0.82789	0.608971	-1.35949	0.17399
ENSG00000148356.14	251.0981263	-0.00141	0.380923	-0.00369	0.997056
ENSG00000103540.16	251.205856	0.029206	0.436836	0.066859	0.946694
ENSG00000185127.6	251.307947	0.3613	0.468361	0.771413	0.440462
ENSG00000115365.12	251.3315796	-0.76192	0.455427	-1.67297	0.094333
ENSG00000163291.14	251.3368793	-0.22112	0.382577	-0.57797	0.563282
ENSG00000132323.9	251.4510964	-0.25301	0.40049	-0.63174	0.527554
ENSG00000164211.13	251.5338354	-0.08797	0.395551	-0.2224	0.824004
ENSG00000133059.17	251.6422189	-0.06881	0.385525	-0.17849	0.858336
ENSG00000156531.17	251.6620619	-0.23248	0.396024	-0.58704	0.557175
ENSG00000147601.14	251.6711176	0.01561	0.415829	0.037539	0.970055
ENSG00000204054.14	251.7683519	-0.02576	0.388702	-0.06628	0.947154
ENSG00000166484.20	251.8812926	-0.49359	0.50252	-0.98222	0.325991
ENSG00000119953.14	252.0379431	-0.09138	0.435089	-0.21003	0.833642
ENSG00000137947.12	252.0693787	-0.14102	0.379397	-0.37169	0.710125
ENSG00000114450.11	252.089288	-0.28619	0.408817	-0.70006	0.483892
ENSG00000160072.20	252.1640947	0.387551	0.441348	0.878109	0.379884
ENSG00000178607.16	252.2055141	-0.05601	0.421758	-0.1328	0.894354
ENSG00000137726.17	252.2234017	-0.48936	0.436022	-1.12233	0.261722
ENSG00000204385.12	252.3868887	-0.44361	0.423193	-1.04823	0.294531
ENSG00000173153.16	252.3924673	0.528568	0.383178	1.379433	0.167761
ENSG00000164941.14	252.431756	-0.05795	0.402448	-0.144	0.885504
ENSG00000170500.13	252.4954839	-0.34551	0.464799	-0.74336	0.457266
ENSG00000197122.12	252.5205958	0.057981	0.389841	0.148729	0.881768
ENSG00000083168.11	252.5400961	0.164221	0.433586	0.378751	0.704873
ENSG00000197780.10	252.6075258	-0.02144	0.452831	-0.04735	0.962233
ENSG00000125458.7	252.67168	-0.26386	0.390899	-0.67502	0.499666
ENSG00000215252.11	252.787626	-0.75302	0.409836	-1.83737	0.066155
ENSG00000156469.9	252.8298464	-0.57956	0.410377	-1.41227	0.157871
ENSG00000130717.13	253.0490968	0.079037	0.382086	0.206856	0.836122
ENSG00000177463.15	253.3675238	-0.35911	0.378455	-0.94888	0.342682
ENSG00000161904.12	253.3793914	0.62133	0.399817	1.554036	0.120176
ENSG00000155008.14	253.3970384	-0.30629	0.393008	-0.77936	0.435769
ENSG00000141433.13	253.5720983	-1.06444	0.590652	-1.80215	0.071522
ENSG00000284770.2	253.6024137	-0.29564	0.38967	-0.75868	0.448043
ENSG00000051596.10	253.6301456	-0.25985	0.395863	-0.65641	0.51156
ENSG00000160050.15	253.6601234	0.040463	0.376714	0.107411	0.914463
ENSG00000167565.13	253.6782802	-0.11634	0.377062	-0.30855	0.757667
ENSG00000154889.17	253.6986912	-0.05973	0.395188	-0.15114	0.879865
ENSG00000126216.15	253.7384934	-0.49238	0.424752	-1.15921	0.24637
ENSG00000114346.13	253.8933921	0.459995	0.38024	1.209748	0.226376
ENSG00000119682.17	254.0842478	-0.19022	0.384045	-0.49532	0.620376
ENSG00000132109.10	254.0979629	-0.77057	0.467959	-1.64667	0.099626
ENSG00000152256.14	254.2305173	-0.54278	0.44305	-1.2251	0.220539

ENSG00000154319.16	254.2892465	0.239889	0.442833	0.541713	0.588016
ENSG00000085377.15	254.3348955	-0.11044	0.411267	-0.26853	0.788291
ENSG00000156017.13	254.3370258	-0.65617	0.422174	-1.55426	0.120121
ENSG00000177511.6	254.3725835	-0.06643	0.400857	-0.16571	0.868385
ENSG00000132549.18	254.4052728	-0.34034	0.378097	-0.90014	0.368044
ENSG00000099331.13	254.5069075	0.818823	0.387833	2.111278	0.034748
ENSG00000064933.18	254.5269607	-0.13756	0.387997	-0.35454	0.722931
ENSG00000131943.18	254.6846534	-0.24696	0.436212	-0.56614	0.571296
ENSG00000125871.14	254.7728587	-0.41053	0.382453	-1.0734	0.283091
ENSG00000002587.10	254.7993717	-1.09179	0.479989	-2.27461	0.022929
ENSG00000106012.18	254.8073348	0.45024	0.501752	0.897337	0.369539
ENSG00000171150.9	254.8961752	0.362332	0.412747	0.877856	0.380022
ENSG00000064726.10	254.9018529	-0.07239	0.382586	-0.1892	0.849937
ENSG00000136111.14	254.9051681	0.177701	0.376758	0.471657	0.637172
ENSG00000145332.14	254.9557685	-0.6321	0.401478	-1.57442	0.115389
ENSG00000119684.16	255.0443059	-0.21804	0.410704	-0.5309	0.595487
ENSG00000161791.14	255.0694033	0.413585	0.458917	0.90122	0.367471
ENSG00000074370.18	255.0976875	0.447872	0.410595	1.090787	0.275367
ENSG00000151725.12	255.1121376	-0.10058	0.400106	-0.25138	0.801524
ENSG00000170832.13	255.3160231	0.446213	0.408039	1.093555	0.27415
ENSG00000013583.10	255.3223538	-0.13191	0.384931	-0.34269	0.731831
ENSG00000214026.11	255.5961911	0.33361	0.498493	0.669239	0.503343
ENSG00000088038.19	255.6730724	0.031058	0.378823	0.081986	0.934658
ENSG00000163497.3	255.8499656	0.042317	0.599922	0.070538	0.943766
ENSG00000143952.20	255.9383816	-0.15485	0.408167	-0.37938	0.704409
ENSG00000187098.16	255.9759155	-0.24235	0.379633	-0.63837	0.523234
ENSG00000119723.17	255.9961494	-0.502	0.379269	-1.32361	0.185633
ENSG00000196865.4	256.1049408	-0.47194	0.418581	-1.12747	0.259542
ENSG00000001631.16	256.1052986	-0.13856	0.3882	-0.35692	0.72115
ENSG00000100865.15	256.1379045	-0.28355	0.402666	-0.70419	0.481316
ENSG00000143353.12	256.1422032	-0.48303	0.395248	-1.22209	0.221675
ENSG00000173517.10	256.1453757	-0.08348	0.405548	-0.20585	0.836912
ENSG00000179021.10	256.1552249	-0.45438	0.420134	-1.08151	0.27947
ENSG00000117877.11	256.1890584	-0.05744	0.407597	-0.14092	0.887934
ENSG00000205189.12	256.1894821	-0.42836	0.486023	-0.88136	0.378122
ENSG00000071994.11	256.1985652	0.211229	0.38525	0.548291	0.583492
ENSG00000213676.13	256.2033406	0.148719	0.448819	0.331356	0.740376
ENSG00000125814.17	256.2374307	-0.56858	0.407565	-1.39507	0.162995
ENSG00000177613.9	256.2624968	-0.05216	0.408946	-0.12756	0.8985
ENSG00000123374.11	256.2681507	0.033914	0.462616	0.073309	0.94156
ENSG00000100908.14	256.361488	-0.47109	0.439723	-1.07134	0.284017
ENSG00000076248.11	256.4213775	-0.43831	0.386468	-1.13414	0.256735
ENSG00000125170.11	256.4294598	0.363645	0.421105	0.863549	0.387836
ENSG00000182087.14	256.5395079	0.818583	0.379192	2.158754	0.030869
ENSG00000139350.12	256.5829347	-0.86704	0.432579	-2.00435	0.045032
ENSG00000174628.16	256.6204173	-0.61522	0.409452	-1.50254	0.132958
ENSG00000260914.3	256.7226841	-0.96943	0.502732	-1.92832	0.053815
ENSG00000140263.15	256.7260662	-0.4131	0.413721	-0.99851	0.318033
ENSG00000214114.9	256.760278	-0.42134	0.389546	-1.08161	0.279426
ENSG00000178691.11	256.810697	0.216159	0.374296	0.577508	0.563597
ENSG00000120685.20	256.8863028	-0.33833	0.412697	-0.81979	0.412333
ENSG00000151422.13	256.888147	-0.35965	0.400006	-0.89912	0.368587

ENSG00000160208.13	256.966503	-0.07463	0.374703	-0.19916	0.842134
ENSG00000188647.13	257.001453	-0.17795	0.391649	-0.45437	0.649561
ENSG00000112592.14	257.0061587	-0.31606	0.403395	-0.78351	0.433329
ENSG00000119673.14	257.0789327	-0.21865	0.415509	-0.52622	0.598736
ENSG00000134470.21	257.1480176	-0.5961	0.41567	-1.43406	0.151554
ENSG00000166825.14	257.1905559	-0.12838	0.469594	-0.27338	0.784559
ENSG00000164930.12	257.2530266	-0.55158	0.381366	-1.44634	0.148082
ENSG00000139428.12	257.2848552	-0.2087	0.401228	-0.52015	0.60296
ENSG00000105619.13	257.2952223	0.32014	0.396741	0.806923	0.419711
ENSG00000059804.16	257.3379561	0.005506	0.401409	0.013717	0.989056
ENSG00000168743.13	257.3391858	0.143576	0.392878	0.365446	0.714779
ENSG00000105607.13	257.4180965	-0.22112	0.385619	-0.57342	0.566357
ENSG00000084693.16	257.5038718	-0.03401	0.3771	-0.09018	0.928145
ENSG00000111269.3	257.5845719	0.012536	0.37804	0.03316	0.973547
ENSG00000163125.15	257.6045509	-0.15946	0.433705	-0.36767	0.713118
ENSG00000133316.15	257.6952688	0.136531	0.41346	0.330216	0.741237
ENSG00000091972.18	257.7666577	-0.61981	0.4502	-1.37674	0.168593
ENSG00000204520.14	257.8462464	-0.06143	0.426905	-0.14389	0.88559
ENSG00000164543.7	257.9313757	0.347831	0.376888	0.922903	0.356058
ENSG00000159335.18	257.9486222	1.278156	0.385384	3.316575	0.000911
ENSG00000175309.15	258.0027219	0.098856	0.375279	0.263421	0.792226
ENSG00000169554.22	258.090535	0.502679	0.401385	1.25236	0.210439
ENSG00000113569.16	258.1237236	-0.22559	0.421612	-0.53506	0.59261
ENSG00000171476.22	258.2216491	-0.23104	0.497814	-0.4641	0.642574
ENSG00000188042.8	258.238222	0.357882	0.395941	0.903876	0.366061
ENSG00000186260.17	258.3401017	-0.49827	0.410587	-1.21357	0.224914
ENSG00000186951.16	258.3834496	0.144474	0.384197	0.376042	0.706886
ENSG00000197312.12	258.4174465	-0.07327	0.397139	-0.18449	0.853631
ENSG00000101194.18	258.427424	-0.02877	0.417689	-0.06887	0.945093
ENSG00000079385.22	258.4360698	-0.95439	0.441058	-2.16387	0.030474
ENSG00000105928.16	258.5209973	-0.29495	0.392375	-0.75171	0.452228
ENSG00000099899.15	258.5398966	0.566943	0.429118	1.321182	0.186441
ENSG00000174939.11	258.5417183	-0.33824	0.453953	-0.74511	0.456208
ENSG00000108479.12	258.5559884	0.183767	0.384942	0.477388	0.633086
ENSG00000279232.2	258.6117822	-0.34504	0.392718	-0.87861	0.379615
ENSG00000143315.8	258.8087702	0.173932	0.387429	0.44894	0.653475
ENSG00000214941.8	258.9318285	-0.47306	0.430451	-1.09899	0.271774
ENSG00000231527.7	258.9776306	0.099377	0.481887	0.206224	0.836616
ENSG00000205476.9	259.1338222	0.37649	0.402773	0.934745	0.34992
ENSG00000136715.19	259.1715231	-0.47361	0.401412	-1.17985	0.238059
ENSG00000070610.14	259.1945539	0.350864	0.427033	0.821633	0.411286
ENSG00000137200.13	259.2172051	-0.03202	0.389712	-0.08216	0.934523
ENSG00000147050.16	259.2243715	0.077306	0.428155	0.180557	0.856716
ENSG00000120217.14	259.2261532	-0.28388	0.389252	-0.72931	0.465814
ENSG00000133794.19	259.3189086	-0.44129	0.382784	-1.15283	0.248979
ENSG00000174373.16	259.3355753	0.177631	0.396536	0.447956	0.654185
ENSG00000164237.9	259.3739215	-0.66072	0.395882	-1.66898	0.095122
ENSG00000183474.15	259.4537596	-0.45144	0.410119	-1.10074	0.271008
ENSG00000144357.17	259.5137312	0.113794	0.389612	0.29207	0.770233
ENSG00000052126.14	259.5649212	-0.09173	0.389895	-0.23526	0.814006
ENSG00000175893.11	259.5723204	-0.1511	0.413672	-0.36527	0.714911
ENSG00000120942.14	259.7433401	-0.45404	0.44382	-1.02304	0.30629

ENSG00000172465.14	259.7912224	0.195242	0.469179	0.416135	0.677311
ENSG00000115392.12	259.8263709	-0.31123	0.377012	-0.82551	0.409084
ENSG00000162971.11	259.838796	-0.54512	0.387559	-1.40656	0.159559
ENSG00000112511.18	259.8535468	-0.26002	0.404086	-0.64347	0.519922
ENSG00000169435.14	259.8572467	-0.56209	0.391457	-1.43589	0.151034
ENSG00000183844.17	260.1282011	-0.22863	0.393328	-0.58127	0.561059
ENSG00000152223.15	260.2123773	0.138072	0.394223	0.350237	0.726161
ENSG00000148110.16	260.6174857	0.062057	0.392412	0.158143	0.874344
ENSG00000176783.15	260.6301886	-0.28228	0.380432	-0.74199	0.458091
ENSG00000257663.1	260.6698965	0.034221	0.379051	0.090281	0.928064
ENSG00000176700.20	260.6810515	0.059494	0.381556	0.155926	0.876092
ENSG00000166770.11	260.735217	0.301652	0.397442	0.758983	0.447863
ENSG00000127946.17	260.7940254	0.261543	0.395062	0.66203	0.507952
ENSG00000150712.11	260.915288	-0.49486	0.378494	-1.30744	0.191063
ENSG00000136478.8	261.0149074	-0.14981	0.4042	-0.37062	0.710917
ENSG00000196295.12	261.0171181	-0.14608	0.381932	-0.38248	0.702105
ENSG00000060749.16	261.0585071	-0.18122	0.411486	-0.44041	0.659642
ENSG00000179750.16	261.1422381	-0.27516	0.401376	-0.68553	0.493009
ENSG00000037897.17	261.1958506	-0.4157	0.397517	-1.04575	0.295677
ENSG00000162924.15	261.2020832	0.02634	0.405341	0.064982	0.948188
ENSG00000088367.23	261.2455894	0.077574	0.392844	0.197468	0.843461
ENSG00000154727.10	261.2934415	-0.57717	0.418955	-1.37765	0.168312
ENSG00000103222.19	261.3270171	0.203347	0.379526	0.535793	0.592102
ENSG00000168564.6	261.3933536	-0.01061	0.401743	-0.0264	0.978935
ENSG00000124920.14	261.4448215	0.387645	0.384588	1.00795	0.313479
ENSG00000136935.14	261.4852573	-0.26088	0.416048	-0.62705	0.530624
ENSG00000008869.12	261.5190341	-0.88029	0.464117	-1.89669	0.057869
ENSG00000148481.14	261.529805	-0.49359	0.407578	-1.21102	0.225886
ENSG00000078124.12	261.5916411	-1.12935	0.404036	-2.79516	0.005187
ENSG00000134056.12	261.7309735	-0.47364	0.40191	-1.17846	0.238613
ENSG00000246705.4	261.7395879	0.404359	0.373623	1.082265	0.279135
ENSG00000005156.12	261.7457642	-0.4991	0.39863	-1.25204	0.210557
ENSG00000172586.8	261.7505268	0.112027	0.389708	0.287464	0.773757
ENSG00000146038.12	261.8157603	-0.28168	0.44074	-0.63911	0.52275
ENSG00000167977.9	261.8898699	0.092075	0.408391	0.225457	0.821623
ENSG00000011295.16	261.9760564	-0.13098	0.37432	-0.34993	0.726394
ENSG00000002919.15	262.0288377	-0.72106	0.395466	-1.82333	0.068254
ENSG00000240342.3	262.1013554	1.006912	0.40738	2.471676	0.013448
ENSG00000101844.18	262.1065619	-0.10838	0.385788	-0.28094	0.778754
ENSG00000152078.10	262.1376635	-0.85521	0.465006	-1.83914	0.065894
ENSG00000109323.11	262.1844439	-0.31619	0.376708	-0.83934	0.401277
ENSG00000105676.14	262.2374259	0.176239	0.431317	0.408607	0.682828
ENSG00000162402.14	262.2999075	-0.10486	0.480319	-0.21832	0.827178
ENSG00000078142.13	262.351278	-0.15421	0.380358	-0.40543	0.68516
ENSG00000083097.14	262.4593702	-0.17151	0.373243	-0.4595	0.645873
ENSG00000118900.15	262.5926065	0.395441	0.377589	1.047278	0.294971
ENSG00000215251.4	262.603607	-0.28383	0.616459	-0.46042	0.645216
ENSG00000154803.13	262.6431957	-0.21092	0.419132	-0.50322	0.614809
ENSG00000198585.12	262.7892528	-0.50398	0.474565	-1.06198	0.288243
ENSG00000165215.6	262.8334041	-0.10603	0.416465	-0.2546	0.799029
ENSG00000168234.13	262.8351325	-0.24294	0.512639	-0.47391	0.635567
ENSG00000137714.3	262.8621136	-0.08429	0.444053	-0.18983	0.849444

ENSG00000113391.19	262.9436362	-0.53648	0.375461	-1.42886	0.153043
ENSG00000176473.13	263.0122739	-0.74554	0.41397	-1.80094	0.071712
ENSG00000185298.13	263.0586675	0.24541	0.406392	0.603875	0.545927
ENSG00000144741.17	263.0596615	-0.43564	0.387589	-1.12397	0.261027
ENSG00000058804.12	263.193236	-0.33787	0.394845	-0.85569	0.392169
ENSG00000156599.11	263.2508564	0.197116	0.417037	0.472658	0.636457
ENSG00000078070.13	263.3125368	-0.39984	0.38861	-1.02889	0.303531
ENSG00000119688.21	263.3138035	-0.29902	0.39055	-0.76564	0.44389
ENSG00000110721.12	263.3157781	0.460228	0.380942	1.208132	0.226996
ENSG00000183495.14	263.3707365	-0.20508	0.394597	-0.51972	0.603258
ENSG00000170542.6	263.4412191	-0.17682	0.454429	-0.38911	0.697198
ENSG00000188175.10	263.5768558	-0.20689	0.564921	-0.36622	0.714199
ENSG00000128915.12	263.5812473	-0.44694	0.396699	-1.12665	0.259891
ENSG00000184867.14	263.6609202	-0.11476	0.412789	-0.278	0.781009
ENSG00000121879.6	263.6750653	-0.05677	0.388744	-0.14604	0.883891
ENSG00000165449.11	263.7081414	-0.72585	0.435101	-1.66824	0.095268
ENSG00000185420.19	263.7496269	0.048309	0.385351	0.125363	0.900236
ENSG00000125652.8	263.7702216	-0.10394	0.420859	-0.24698	0.804925
ENSG00000090857.14	263.7746614	-0.0061	0.413028	-0.01477	0.988213
ENSG00000100503.25	263.8043404	0.064602	0.386116	0.167312	0.867125
ENSG00000174718.12	263.8595577	0.341479	0.420546	0.81199	0.416797
ENSG00000106266.11	263.9269487	-0.47069	0.394037	-1.19454	0.232267
ENSG00000198018.7	263.9286154	-0.80019	0.389945	-2.05207	0.040163
ENSG00000175315.3	263.9963828	0.007983	0.409262	0.019506	0.984438
ENSG00000119865.9	264.0141303	-0.7838	0.459237	-1.70674	0.08787
ENSG00000143971.9	264.0969332	-0.21634	0.38014	-0.5691	0.569289
ENSG00000013523.11	264.1003841	-0.18167	0.39498	-0.45994	0.645557
ENSG00000156802.13	264.1693779	0.940942	0.438229	2.147147	0.031782
ENSG00000183722.9	264.3041962	0.162471	0.395604	0.410692	0.681298
ENSG00000227345.8	264.374148	-0.0788	0.385855	-0.20422	0.838182
ENSG00000131116.12	264.3951511	0.463256	0.605092	0.765595	0.443917
ENSG00000007341.19	264.4193097	-0.18422	0.372584	-0.49445	0.620987
ENSG00000090061.17	264.514928	-0.57369	0.42336	-1.35508	0.175391
ENSG00000151502.11	264.5331159	0.326157	0.37678	0.865644	0.386685
ENSG00000260465.1	264.5697124	0.48432	0.378742	1.278761	0.200981
ENSG00000129484.13	264.7048729	-0.08507	0.372247	-0.22852	0.819238
ENSG00000125648.15	264.7084154	0.774383	0.393128	1.969798	0.048862
ENSG00000116731.22	264.8666244	-0.16145	0.383948	-0.4205	0.67412
ENSG00000174607.11	264.9318091	-0.13135	0.505379	-0.2599	0.794945
ENSG00000198276.16	264.9681044	-0.2338	0.384695	-0.60775	0.543354
ENSG00000163516.14	265.0091783	0.038779	0.387059	0.100189	0.920194
ENSG00000163565.18	265.0146305	-0.36454	0.45916	-0.79393	0.427234
ENSG00000275066.5	265.2032247	0.219372	0.388127	0.565208	0.571932
ENSG00000147316.13	265.2306392	-0.58057	0.375813	-1.54484	0.122385
ENSG00000259976.3	265.2605587	-11.7504	3.843638	-3.05711	0.002235
ENSG00000105357.18	265.2690531	0.87629	0.382602	2.290343	0.022001
ENSG00000117724.13	265.3346302	0.463393	0.401432	1.154349	0.248357
ENSG00000133773.12	265.3697492	-0.09851	0.392144	-0.2512	0.801657
ENSG00000126107.15	265.5187602	0.073052	0.402964	0.181288	0.856142
ENSG00000215012.9	265.5721646	-0.31369	0.59842	-0.52419	0.600146
ENSG00000113593.12	265.6006472	0.191281	0.385678	0.495961	0.619922
ENSG00000085511.20	265.6789043	0.806232	0.425136	1.896411	0.057906

ENSG00000183605.17	265.7870781	-0.2305	0.37961	-0.60721	0.543714
ENSG00000184557.4	265.807472	-0.10374	0.381438	-0.27198	0.785635
ENSG00000197969.14	266.3785552	-0.76525	0.413148	-1.85224	0.063991
ENSG00000160305.18	266.469964	0.228837	0.389135	0.588066	0.556488
ENSG00000164116.17	266.5562443	-0.40007	0.430931	-0.92838	0.353212
ENSG00000114554.11	266.5924181	0.461223	0.383999	1.201105	0.22971
ENSG00000165055.16	266.6290426	-0.18808	0.410217	-0.4585	0.646595
ENSG00000103037.12	266.648756	-0.21441	0.386737	-0.55442	0.579293
ENSG00000082438.17	266.6498761	0.030026	0.393197	0.076363	0.93913
ENSG00000256235.2	266.6926258	-0.11101	0.407368	-0.2725	0.785237
ENSG00000085871.9	266.8200465	0.074752	0.441733	0.169225	0.86562
ENSG00000146414.16	266.849624	-0.83379	0.394923	-2.11127	0.034749
ENSG00000240583.13	266.8886094	-0.43056	0.474491	-0.90742	0.364184
ENSG00000162409.11	266.89072	-0.74559	0.385658	-1.93329	0.053201
ENSG00000129473.10	266.940317	0.650178	0.387774	1.676693	0.093602
ENSG00000189339.12	266.9553701	-0.31814	0.373134	-0.85261	0.393875
ENSG00000180979.10	267.1259209	-0.05533	0.394156	-0.14038	0.888361
ENSG00000109339.24	267.2714083	0.221389	0.388798	0.569418	0.569072
ENSG00000198538.11	267.3308929	0.170969	0.373979	0.45716	0.647556
ENSG00000143553.11	267.3919015	-0.27725	0.446381	-0.6211	0.534532
ENSG00000272391.6	267.5843119	0.531764	0.390664	1.361182	0.173456
ENSG00000205250.9	267.6876167	0.394806	0.383656	1.029063	0.30345
ENSG00000157601.14	267.7770792	-0.38502	0.390128	-0.9869	0.32369
ENSG00000162869.16	267.8459588	-0.51612	0.422595	-1.22132	0.221965
ENSG00000006015.17	267.8954338	-0.11969	0.390887	-0.30621	0.759448
ENSG00000090097.21	267.9290995	-0.09303	0.491337	-0.18934	0.849825
ENSG00000173757.10	267.9765736	0.276594	0.382319	0.723463	0.469396
ENSG00000255154.8	268.0989136	-0.17706	0.393423	-0.45006	0.652669
ENSG00000108641.19	268.1723556	-0.23191	0.46973	-0.49372	0.621507
ENSG00000168538.16	268.3600031	-0.41407	0.372667	-1.1111	0.266524
ENSG00000164329.13	268.4981802	-0.49837	0.393475	-1.2666	0.2053
ENSG00000065559.15	268.5067204	0.166991	0.389802	0.428398	0.668362
ENSG00000066427.24	268.6150383	-0.62333	0.412546	-1.51094	0.130803
ENSG00000243943.10	268.6223857	-0.21008	0.398816	-0.52676	0.598362
ENSG00000104626.15	268.6616477	-0.38196	0.37714	-1.01278	0.311165
ENSG00000103502.14	268.8033228	0.41308	0.382897	1.078828	0.280664
ENSG00000143499.14	268.815498	-0.42716	0.427584	-0.999	0.317794
ENSG00000100288.20	268.8717784	-0.01828	0.373986	-0.04887	0.96102
ENSG00000161980.6	268.9350229	0.013035	0.379904	0.03431	0.97263
ENSG00000160199.15	269.0768889	-0.25826	0.380533	-0.67867	0.497345
ENSG00000259956.2	269.2756898	0.668635	0.386302	1.730862	0.083476
ENSG00000020922.13	269.3118605	-0.4089	0.430118	-0.95067	0.341772
ENSG00000104824.17	269.451075	1.15	0.421948	2.725454	0.006421
ENSG00000174606.14	269.4593921	-0.40196	0.392497	-1.0241	0.305786
ENSG00000162378.13	269.4885781	-0.34044	0.402506	-0.84581	0.397659
ENSG00000101224.17	269.4925946	-0.17352	0.390136	-0.44476	0.656496
ENSG00000141568.21	269.5297839	0.424593	0.400226	1.060882	0.288743
ENSG00000071967.12	269.7624808	-0.19777	0.41091	-0.48131	0.630298
ENSG00000156931.16	269.7896297	-0.13201	0.371224	-0.3556	0.722139
ENSG00000223482.8	269.8572313	-0.47084	0.383497	-1.22775	0.219542
ENSG00000135828.11	269.927309	-0.81332	0.408963	-1.98874	0.04673
ENSG00000116954.8	270.0099456	0.189564	0.416633	0.454991	0.649116

ENSG00000169371.14	270.0635519	-0.32414	0.375478	-0.86327	0.387991
ENSG00000115904.13	270.1016174	-0.17763	0.442547	-0.40137	0.688146
ENSG00000186001.14	270.1626396	-0.5309	0.395594	-1.34204	0.179584
ENSG00000164109.14	270.2138	-0.15281	0.416637	-0.36678	0.713787
ENSG00000117868.17	270.2335423	-0.02764	0.393993	-0.07016	0.944067
ENSG00000106772.18	270.2588989	-0.49628	0.407287	-1.2185	0.223034
ENSG00000170852.11	270.3117536	-0.01901	0.418826	-0.04538	0.963802
ENSG00000138376.11	270.34429	0.161385	0.405314	0.398173	0.690503
ENSG00000143319.17	270.4893449	-0.28006	0.374538	-0.74775	0.45461
ENSG00000175279.22	270.5377846	-0.6432	0.424432	-1.51544	0.129661
ENSG00000172594.13	270.6003043	-0.66087	0.405695	-1.62898	0.103318
ENSG00000115207.13	270.6134889	0.131738	0.386298	0.341028	0.733082
ENSG00000120709.11	270.7201428	0.093148	0.375414	0.24812	0.804042
ENSG00000138246.17	270.7227587	0.284623	0.372805	0.763463	0.445187
ENSG00000170836.12	270.7696754	-0.65558	0.378416	-1.73244	0.083195
ENSG00000107758.16	270.8605696	-0.02621	0.377393	-0.06945	0.944631
ENSG00000145868.17	270.9333121	-0.76424	0.375976	-2.03268	0.042085
ENSG00000185033.14	270.9721817	0.319043	0.378612	0.842666	0.399415
ENSG00000168438.15	271.1236332	-0.30423	0.382232	-0.79592	0.426078
ENSG00000112658.8	271.2801675	0.690885	0.391682	1.763891	0.07775
ENSG00000068650.18	271.3870992	0.271135	0.372322	0.728228	0.466474
ENSG00000130517.14	271.4767446	-0.40104	0.382335	-1.04893	0.29421
ENSG00000276550.4	271.5160427	-0.34962	0.374414	-0.93377	0.35042
ENSG00000257764.2	271.5395721	0.079466	0.437637	0.181581	0.855912
ENSG00000122971.9	271.5432662	-0.315	0.387814	-0.81225	0.416649
ENSG00000166171.13	271.5740543	-0.08332	0.372614	-0.22361	0.823063
ENSG00000188706.13	271.5743168	-0.5399	0.397036	-1.35982	0.173887
ENSG00000239779.7	271.7697046	-0.10059	0.402306	-0.25004	0.802558
ENSG00000205981.8	271.7916505	-0.31741	0.412869	-0.76878	0.442022
ENSG00000164023.14	271.8082626	-0.34699	0.395357	-0.87767	0.380122
ENSG00000164038.16	271.8500255	-0.32554	0.418756	-0.7774	0.436922
ENSG00000130939.20	271.8754685	-0.02268	0.400644	-0.0566	0.95486
ENSG00000280211.1	271.8945673	0.453893	0.392186	1.157339	0.247134
ENSG00000138303.18	271.9953319	-0.33968	0.39476	-0.86046	0.389534
ENSG00000135686.13	272.077568	0.291205	0.388123	0.750292	0.453079
ENSG00000121644.19	272.1143287	-0.103	0.379276	-0.27157	0.785954
ENSG00000235437.8	272.1172319	-0.20071	0.396558	-0.50612	0.612771
ENSG00000114999.8	272.1182244	0.485578	0.374251	1.297465	0.194471
ENSG00000132405.19	272.1224375	-0.45019	0.371465	-1.21194	0.225534
ENSG00000137936.18	272.367161	0.417259	0.38039	1.096922	0.272675
ENSG00000146463.12	272.3777829	0.357219	0.410008	0.871248	0.383619
ENSG00000243989.9	272.5568954	-0.44442	0.403896	-1.10033	0.271189
ENSG00000267673.6	272.6643272	0.234141	0.375853	0.622958	0.533312
ENSG00000267348.3	273.1113778	0.023484	0.430539	0.054545	0.956501
ENSG00000167720.13	273.1531796	-0.2152	0.386493	-0.55681	0.577658
ENSG00000058600.16	273.2563469	-0.44437	0.389292	-1.14149	0.253666
ENSG00000171161.13	273.2896068	0.120102	0.414923	0.289457	0.772232
ENSG00000124596.17	273.3166038	-0.6324	0.387446	-1.63222	0.102633
ENSG00000092096.17	273.3483034	0.299624	0.413518	0.724572	0.468714
ENSG00000276293.4	273.4585806	0.027855	0.376348	0.074015	0.940999
ENSG00000166123.14	273.4962638	0.083815	0.402739	0.208112	0.835141
ENSG00000154832.15	273.5890341	0.0603	0.373382	0.161498	0.871701

ENSG00000140332.17	273.6358862	0.493963	0.421243	1.172632	0.240943
ENSG00000071242.12	273.6732787	0.421474	0.410796	1.025993	0.304895
ENSG00000151748.15	273.6889713	0.382115	0.443354	0.861872	0.388758
ENSG00000239474.7	273.7058172	0.264703	0.490834	0.539293	0.589685
ENSG00000073350.14	273.7384502	0.953832	0.394655	2.416874	0.015654
ENSG00000152642.11	273.7637959	-0.29958	0.375253	-0.79833	0.424678
ENSG00000109445.11	273.7746093	-0.27671	0.405444	-0.68249	0.494932
ENSG00000165506.15	273.7787171	-0.24739	0.458183	-0.53993	0.589244
ENSG00000130702.15	273.8127667	0.029425	0.380488	0.077335	0.938357
ENSG00000134452.20	273.9760293	0.47051	0.453647	1.037171	0.299656
ENSG00000140939.14	273.9819816	-0.10205	0.370637	-0.27533	0.783061
ENSG00000151240.17	274.0618186	-0.26062	0.379094	-0.68749	0.491771
ENSG00000152465.18	274.0807702	-0.36384	0.370408	-0.98228	0.325962
ENSG00000148090.12	274.1432693	-0.49169	0.389777	-1.26146	0.207142
ENSG00000204852.16	274.2515395	-0.3594	0.396547	-0.90631	0.364771
ENSG00000010017.13	274.279684	-0.40017	0.382338	-1.04663	0.295269
ENSG00000108591.10	274.2866044	-0.02699	0.378921	-0.07124	0.943209
ENSG00000087995.16	274.3099412	-0.19093	0.375386	-0.50863	0.611011
ENSG00000187189.11	274.7146738	0.630806	0.404137	1.560874	0.118554
ENSG00000156535.15	274.8636334	0.025381	0.41822	0.060689	0.951607
ENSG00000183337.17	274.8920811	0.213375	0.389152	0.548308	0.583481
ENSG00000145545.12	274.9885778	-0.78183	0.429916	-1.81856	0.068979
ENSG00000114279.13	275.0059089	-0.47078	0.388472	-1.21187	0.225561
ENSG00000286834.1	275.1490264	1.052326	0.546241	1.926485	0.054044
ENSG00000129534.14	275.1526528	-0.75715	0.408728	-1.85245	0.063961
ENSG00000171681.12	275.1817287	0.566667	0.412734	1.372961	0.169764
ENSG00000091947.10	275.4106685	-0.1448	0.371917	-0.38933	0.697028
ENSG00000119559.17	275.5112167	-0.10804	0.371784	-0.29059	0.771367
ENSG00000171109.19	275.5197088	-0.15642	0.389927	-0.40116	0.688304
ENSG00000113916.18	275.5643119	-1.29093	0.533815	-2.41831	0.015593
ENSG00000125630.16	275.6938837	-0.52464	0.38488	-1.36312	0.172845
ENSG00000164985.15	275.7825829	0.235289	0.390698	0.602226	0.547024
ENSG00000132334.16	275.8234412	-0.04747	0.471156	-0.10076	0.91974
ENSG00000188419.14	275.8608982	0.227774	0.404434	0.563192	0.573304
ENSG00000138286.15	276.1112765	0.330189	0.388771	0.849315	0.395706
ENSG00000198722.14	276.1895521	-0.19018	0.385928	-0.49279	0.622163
ENSG00000166206.15	276.2153836	-0.49209	0.412446	-1.1931	0.232831
ENSG00000260912.1	276.2316353	-1.51227	0.452748	-3.3402	0.000837
ENSG00000115318.12	276.254114	0.409265	0.421983	0.969862	0.332115
ENSG00000165195.16	276.2546997	-0.70866	0.390083	-1.81669	0.069264
ENSG00000224877.4	276.2813062	0.655207	0.385817	1.698234	0.089464
ENSG00000153814.13	276.3041083	-0.36004	0.376973	-0.95508	0.339536
ENSG00000116157.6	276.3102774	-0.46605	0.400985	-1.16226	0.245128
ENSG00000111816.8	276.3480776	-0.60096	0.439627	-1.36697	0.171634
ENSG00000163947.12	276.3962884	-0.30357	0.376674	-0.80592	0.42029
ENSG00000157954.15	276.5490759	0.382798	0.460924	0.830501	0.406255
ENSG00000011105.14	276.5810287	-0.91333	0.423276	-2.15777	0.030945
ENSG00000185900.11	276.6385113	-0.31046	0.390534	-0.79496	0.426637
ENSG00000182957.16	276.6758291	-0.15969	0.37493	-0.42593	0.670162
ENSG00000035681.9	276.6762016	-0.53076	0.440168	-1.20582	0.227886
ENSG00000229644.6	276.6947874	-0.38237	0.419633	-0.9112	0.36219
ENSG00000040633.13	276.8219478	0.455579	0.397052	1.147404	0.251215

ENSG00000065923.10	276.9565737	0.717857	0.473971	1.514558	0.129884
ENSG00000103160.12	277.02497	-0.36663	0.382206	-0.95925	0.337432
ENSG00000100731.16	277.1107291	0.069583	0.436419	0.159441	0.873321
ENSG00000103351.13	277.1873529	-0.67991	0.399962	-1.69994	0.089143
ENSG00000136816.16	277.2095989	-0.31148	0.393292	-0.79199	0.428365
ENSG00000106733.21	277.2810115	-0.56441	0.384744	-1.46696	0.142386
ENSG00000258818.4	277.3559766	0.037122	0.386916	0.095944	0.923565
ENSG00000162065.14	277.3873102	-0.06097	0.472626	-0.129	0.89736
ENSG00000174547.13	277.5017914	0.018848	0.385579	0.048882	0.961014
ENSG00000106683.15	277.5961772	0.086071	0.370422	0.232359	0.816259
ENSG00000147905.18	277.658551	0.066458	0.4539	0.146416	0.883593
ENSG00000111676.15	277.9205567	0.664957	0.400524	1.660218	0.096871
ENSG00000091009.8	277.9746224	-0.31605	0.383175	-0.82482	0.409473
ENSG00000186908.14	277.9808982	-0.32438	0.440948	-0.73565	0.461946
ENSG00000173846.13	277.9844409	-0.30372	0.378531	-0.80236	0.422346
ENSG00000122126.17	278.0223159	0.0397	0.385961	0.102859	0.918075
ENSG00000139437.18	278.2039263	0.316443	0.383206	0.825779	0.408929
ENSG00000176153.12	278.2357127	-0.01774	0.570057	-0.03111	0.975181
ENSG00000105552.15	278.2943871	-0.27735	0.380268	-0.72937	0.465778
ENSG00000133138.20	278.6989413	-0.07197	0.396161	-0.18167	0.855841
ENSG00000154217.15	278.7835932	-0.30341	0.372073	-0.81545	0.414813
ENSG00000204147.11	278.8741586	-0.63715	0.392705	-1.62247	0.104703
ENSG00000248333.8	278.9035331	0.663387	0.408711	1.623119	0.104564
ENSG00000153046.18	278.9105743	0.152675	0.449516	0.339643	0.734126
ENSG00000196323.14	279.0302777	0.166276	0.399324	0.416393	0.677122
ENSG00000196290.16	279.2936429	-0.58416	0.424209	-1.37705	0.168497
ENSG00000239305.7	279.3201134	0.03866	0.368336	0.104957	0.91641
ENSG00000171729.14	279.4003788	0.354095	0.386282	0.916675	0.359313
ENSG00000151233.11	279.4734248	-0.37141	0.376298	-0.98701	0.323638
ENSG00000146409.12	279.5394593	-0.60432	0.415855	-1.4532	0.146168
ENSG00000144749.14	279.6616212	0.078045	0.381985	0.204315	0.838108
ENSG00000269604.1	279.6870916	0.607028	0.386082	1.572277	0.115886
ENSG00000089123.16	279.6900916	-0.57653	0.372044	-1.54962	0.121232
ENSG00000080200.10	279.7579529	-0.21572	0.374523	-0.57599	0.564619
ENSG00000119900.9	279.9494706	0.185445	0.372463	0.497889	0.618562
ENSG00000148840.11	280.0695226	0.239291	0.397596	0.601844	0.547278
ENSG00000137601.17	280.2614117	-0.15549	0.401475	-0.38731	0.69853
ENSG00000182858.14	280.321704	-0.44804	0.412309	-1.08666	0.277187
ENSG00000164040.18	280.3592145	1.053444	0.394046	2.673403	0.007509
ENSG00000147874.11	280.365946	-0.14071	0.374576	-0.37565	0.707177
ENSG00000132768.14	280.4162936	-0.81697	0.39557	-2.06531	0.038894
ENSG00000166275.16	280.4350551	-0.44871	0.385311	-1.16453	0.244207
ENSG00000137075.18	280.5465984	-0.81688	0.396752	-2.05892	0.039502
ENSG00000104435.14	280.6559817	-0.08897	0.438759	-0.20277	0.839314
ENSG00000132603.15	280.7075804	-0.35319	0.400584	-0.88169	0.377943
ENSG00000233369.7	280.7283256	0.111709	0.370729	0.301324	0.763167
ENSG00000182400.15	280.7485818	-0.58312	0.411626	-1.41662	0.156595
ENSG00000212724.3	280.7651641	-0.50317	0.515041	-0.97694	0.328597
ENSG00000106665.16	280.7903935	0.466898	0.379893	1.229026	0.219062
ENSG00000079974.17	280.8684345	-0.30901	0.387908	-0.7966	0.425682
ENSG00000163900.11	280.9761323	-0.29082	0.371528	-0.78277	0.43376
ENSG00000147164.12	280.9786091	0.247527	0.369078	0.670664	0.502435

ENSG00000112299.8	281.0636285	-0.43529	0.374441	-1.16251	0.245028
ENSG00000125257.16	281.1942699	-0.41673	0.371433	-1.12196	0.26188
ENSG00000164167.12	281.2838307	-0.23037	0.385018	-0.59834	0.549616
ENSG00000181744.9	281.376346	-0.14785	0.424523	-0.34827	0.727638
ENSG00000125450.11	281.4747213	0.16845	0.386527	0.435805	0.662979
ENSG00000073792.16	281.5113472	-0.32008	0.401268	-0.79766	0.425066
ENSG00000164294.14	281.5473532	-0.59325	0.399602	-1.4846	0.137649
ENSG00000122484.9	281.5980401	-1.45312	0.532865	-2.72699	0.006392
ENSG00000204524.7	281.8186675	-0.79208	0.374277	-2.11631	0.034319
ENSG00000079462.7	281.8416492	-0.02371	0.372619	-0.06364	0.949256
ENSG00000136144.12	281.8675704	-0.57258	0.391867	-1.46116	0.14397
ENSG00000099821.14	281.8914034	0.946757	0.472594	2.00332	0.045143
ENSG00000048052.21	281.9240794	-0.43965	0.392263	-1.1208	0.262373
ENSG00000160972.9	281.9407367	0.135646	0.380118	0.356853	0.721202
ENSG00000262160.1	281.953584	-0.17649	0.378422	-0.46638	0.640942
ENSG00000198589.14	281.9955285	0.085254	0.37441	0.227702	0.819878
ENSG00000144426.18	282.0053407	-0.50802	0.395255	-1.28531	0.198685
ENSG00000179178.11	282.0441883	-0.76914	0.389855	-1.9729	0.048507
ENSG00000120254.15	282.1429227	0.437814	0.431646	1.014289	0.310445
ENSG00000130348.11	282.1737418	-0.59517	0.40804	-1.4586	0.144675
ENSG00000109084.14	282.2576212	0.053715	0.380035	0.141342	0.8876
ENSG00000115657.14	282.3500286	0.460339	0.378557	1.216038	0.22397
ENSG00000176868.2	282.4436634	0.358912	0.398729	0.90014	0.368046
ENSG00000139291.14	282.5420107	-0.42664	0.438109	-0.97383	0.330141
ENSG00000112855.17	282.572625	-0.52953	0.378935	-1.39742	0.162286
ENSG00000118495.20	282.6501253	-0.44647	0.405226	-1.10179	0.270554
ENSG00000187231.14	282.6502132	-0.19576	0.369484	-0.52981	0.596242
ENSG00000149089.13	282.8276473	-0.58536	0.3921	-1.49289	0.135466
ENSG00000257949.7	282.8746711	0.023341	0.380146	0.061399	0.951042
ENSG00000149716.13	282.9051169	0.126599	0.390193	0.324452	0.745596
ENSG00000151746.15	283.0091656	0.019392	0.372549	0.052052	0.958488
ENSG00000127831.11	283.0905595	0.81195	0.419322	1.936339	0.052826
ENSG00000140153.18	283.0941251	-0.47038	0.406194	-1.15802	0.246857
ENSG00000087303.18	283.178593	-0.04816	0.403219	-0.11945	0.904922
ENSG00000198917.13	283.2401576	-0.12107	0.385803	-0.31381	0.753665
ENSG00000071894.17	283.2522617	0.354715	0.401646	0.883152	0.377154
ENSG00000135365.16	283.2702759	-0.17377	0.393948	-0.44111	0.659137
ENSG00000196843.17	283.3102991	-0.46657	0.386748	-1.2064	0.227662
ENSG00000100580.8	283.3364684	-0.43361	0.447031	-0.96999	0.332054
ENSG00000156113.24	283.3747633	0.161335	0.398629	0.404726	0.685679
ENSG00000126883.17	283.4318226	0.508029	0.405894	1.251632	0.210704
ENSG00000135775.14	283.4544057	-0.21236	0.383418	-0.55385	0.579681
ENSG00000076924.12	283.5595186	0.289553	0.380472	0.761037	0.446635
ENSG00000198300.14	283.5785858	-0.55867	0.375131	-1.48926	0.136419
ENSG00000111880.16	283.6108654	-0.37254	0.417444	-0.89242	0.372165
ENSG00000127863.15	283.6863818	-0.30132	0.46207	-0.6521	0.514336
ENSG00000285292.1	283.7045671	-2.13776	2.056882	-1.03932	0.298655
ENSG00000101849.17	283.7949637	0.087836	0.373504	0.235168	0.814079
ENSG00000236498.1	283.9021406	0.736707	0.382147	1.92781	0.053879
ENSG00000164713.10	284.0080794	1.188876	0.40337	2.947361	0.003205
ENSG00000187522.16	284.0319343	0.01938	0.389128	0.049804	0.960278
ENSG00000078177.14	284.1243993	-0.55644	0.403036	-1.38063	0.167394

ENSG00000139977.14	284.1325449	-0.21749	0.379551	-0.57301	0.56664
ENSG00000109689.17	284.2747231	-0.13748	0.384752	-0.35732	0.720853
ENSG00000091137.14	284.3217855	-0.47068	0.428977	-1.09721	0.272548
ENSG00000160563.14	284.3795993	-0.08664	0.391705	-0.22118	0.824949
ENSG00000286190.2	284.411347	1.055243	0.44195	2.387697	0.016954
ENSG00000110200.8	284.5413369	0.22301	0.374715	0.595145	0.551746
ENSG00000119711.13	284.6647452	-0.65012	0.392362	-1.65693	0.097533
ENSG00000111785.21	284.8244345	-0.46785	0.385104	-1.21488	0.224413
ENSG00000066135.13	284.9353779	-0.21764	0.372112	-0.58488	0.558627
ENSG00000214655.11	285.0307115	0.828929	0.386477	2.144833	0.031966
ENSG00000130748.7	285.0587093	0.482045	0.44708	1.078208	0.280941
ENSG00000152464.15	285.0732405	-0.3018	0.380636	-0.79289	0.427843
ENSG00000198951.12	285.1284038	-0.63146	0.382365	-1.65145	0.098647
ENSG00000156873.16	285.1437732	-0.30276	0.370221	-0.81778	0.413481
ENSG00000149636.16	285.2853305	0.452437	0.39635	1.141509	0.253658
ENSG00000150760.13	285.2887657	0.242436	0.369449	0.656209	0.51169
ENSG00000215114.10	285.433221	-0.56703	0.389173	-1.45701	0.145114
ENSG00000144366.16	285.5030112	0.213896	0.396974	0.538817	0.590013
ENSG00000101333.16	285.5314209	-0.547	0.396022	-1.38124	0.167205
ENSG00000171303.7	285.5500783	0.143082	0.386167	0.370519	0.710996
ENSG00000104177.18	285.5501383	0.030001	0.373009	0.080429	0.935896
ENSG00000132382.15	285.5727881	0.317207	0.424548	0.747164	0.454964
ENSG00000120253.14	285.6563978	-0.33326	0.431152	-0.77296	0.439547
ENSG00000109775.11	285.6833598	-0.30955	0.435573	-0.71066	0.477293
ENSG00000198912.11	285.8113467	-0.23258	0.372524	-0.62433	0.532409
ENSG00000147408.14	285.9702637	0.053816	0.420746	0.127907	0.898223
ENSG00000264522.6	286.0476265	0.304477	0.396776	0.767379	0.442856
ENSG00000178234.13	286.1127733	0.010849	0.393069	0.0276	0.977981
ENSG00000101343.15	286.1411166	0.273338	0.378828	0.721534	0.470581
ENSG00000119431.9	286.2210441	-0.25207	0.387224	-0.65096	0.515071
ENSG00000228748.2	286.27875	-0.11543	0.378897	-0.30464	0.760638
ENSG00000154511.12	286.2804046	-0.47276	0.429949	-1.09957	0.271518
ENSG00000066933.16	286.3159079	-0.35157	0.369461	-0.95157	0.341317
ENSG00000155755.19	286.3745824	-0.14561	0.419648	-0.34699	0.728599
ENSG00000104643.10	286.5070389	-0.2942	0.37553	-0.78343	0.433372
ENSG00000146918.20	286.5398297	0.127499	0.404039	0.315561	0.752336
ENSG00000120159.13	286.6470975	0.052225	0.398628	0.131012	0.895766
ENSG00000143970.17	286.64895	-0.37336	0.379749	-0.98319	0.325516
ENSG00000230124.8	286.6492706	0.152751	0.370488	0.412298	0.680121
ENSG00000197021.9	286.688062	-0.16934	0.378326	-0.44761	0.654433
ENSG00000131791.8	286.6911529	-0.19605	0.400394	-0.48965	0.624379
ENSG00000140854.13	286.7076748	-0.23067	0.386773	-0.59641	0.550904
ENSG00000170088.14	286.8436179	-0.99353	0.432534	-2.29699	0.021619
ENSG00000171456.20	286.8496674	0.464833	0.383564	1.211879	0.225559
ENSG00000170365.10	287.0173817	-0.35351	0.371647	-0.95119	0.34151
ENSG00000115825.11	287.0693824	-0.27132	0.378488	-0.71685	0.473468
ENSG00000144228.9	287.1622432	-0.28942	0.389581	-0.7429	0.457545
ENSG00000198752.11	287.2092669	0.357708	0.419036	0.853645	0.393302
ENSG00000165792.18	287.2952155	-0.25721	0.370548	-0.69413	0.487602
ENSG00000149658.18	287.315183	0.54777	0.37268	1.469813	0.141612
ENSG00000137819.14	287.3206184	-0.7108	0.39585	-1.79562	0.072555
ENSG00000165819.12	287.3255097	-0.13273	0.436811	-0.30387	0.761228

ENSG00000134258.17	287.4068901	-0.55296	0.420419	-1.31526	0.188424
ENSG00000138709.19	287.4676178	-0.05339	0.400186	-0.13341	0.893866
ENSG00000117597.18	287.5668888	-0.05791	0.368848	-0.15701	0.875239
ENSG00000189050.16	287.6265942	-0.76971	0.383018	-2.00959	0.044475
ENSG00000155850.8	287.7167928	-0.10698	0.430073	-0.24875	0.803553
ENSG00000164647.9	287.93186	0.015515	0.445122	0.034856	0.972194
ENSG00000284194.3	287.9942992	0.110354	0.408076	0.270425	0.786833
ENSG00000137040.10	288.0571175	0.147762	0.403846	0.365887	0.714445
ENSG00000187634.12	288.0960791	-0.00153	0.366986	-0.00417	0.996676
ENSG00000127920.6	288.1302661	0.376991	0.38204	0.986785	0.323748
ENSG00000196387.9	288.2550819	-0.32962	0.383896	-0.85862	0.39055
ENSG00000139197.11	288.2695109	-0.09689	0.370793	-0.26131	0.793853
ENSG00000102359.7	288.2773794	-0.62051	0.39721	-1.56216	0.11825
ENSG00000168769.13	288.3031471	-0.64927	0.37656	-1.72422	0.084669
ENSG00000215305.10	288.4554902	0.055128	0.372977	0.147806	0.882496
ENSG00000107560.12	288.4589948	0.461892	0.391867	1.178695	0.23852
ENSG00000153395.10	288.5819699	0.191158	0.402086	0.475417	0.63449
ENSG00000103274.11	288.7305127	-0.01007	0.376704	-0.02674	0.97867
ENSG00000147099.21	289.1424645	-0.34009	0.437649	-0.77707	0.437115
ENSG00000130764.10	289.1496896	0.125664	0.461569	0.272253	0.785427
ENSG00000164463.12	289.1703918	-0.4581	0.532262	-0.86067	0.389421
ENSG00000166451.13	289.1989617	-0.12188	0.39752	-0.30659	0.759154
ENSG00000176619.13	289.2325671	0.264664	0.403123	0.656534	0.511481
ENSG00000116649.10	289.3661481	1.408327	0.462621	3.044232	0.002333
ENSG00000180008.9	289.4029879	0.559355	0.465866	1.200678	0.229876
ENSG00000099284.14	289.4508913	-0.46184	0.403235	-1.14533	0.252074
ENSG00000156273.16	289.4712476	-0.32338	0.401442	-0.80555	0.420504
ENSG00000143507.18	289.6807818	-0.24217	0.388221	-0.6238	0.532758
ENSG00000157064.11	289.702988	-0.38369	0.414876	-0.92484	0.355049
ENSG00000140948.13	289.7071952	-0.10845	0.453828	-0.23897	0.811131
ENSG00000172273.13	289.8462933	-0.69779	0.385757	-1.80889	0.070468
ENSG00000198546.15	289.8544371	-0.24356	0.388077	-0.62762	0.530255
ENSG00000135956.9	289.8614791	0.1386	0.373215	0.371369	0.710363
ENSG00000138193.16	290.0288939	0.716541	0.450434	1.59078	0.111659
ENSG00000105926.15	290.0435955	0.373692	0.367946	1.015616	0.309812
ENSG00000143751.10	290.0645284	-0.19382	0.367731	-0.52708	0.598137
ENSG00000089057.15	290.0832197	-0.53563	0.386072	-1.38738	0.165325
ENSG00000163235.16	290.1477623	-0.56154	0.398217	-1.41014	0.158498
ENSG00000229833.10	290.1788436	1.064268	0.382532	2.782164	0.0054
ENSG00000136147.18	290.2166437	-0.29733	0.3722	-0.79885	0.424375
ENSG00000185591.10	290.3303352	0.337087	0.389328	0.865818	0.38659
ENSG00000116704.8	290.3625035	-0.4013	0.430111	-0.93303	0.350807
ENSG00000105127.9	290.3919512	0.079942	0.371568	0.215148	0.829652
ENSG00000111670.16	290.5058083	-0.35617	0.379231	-0.93919	0.347632
ENSG00000162729.14	290.5756134	-0.22253	0.369122	-0.60286	0.546602
ENSG00000123728.10	290.5816734	-0.19015	0.381426	-0.49851	0.618121
ENSG00000093072.18	290.5862279	-0.58257	0.409286	-1.42337	0.154628
ENSG00000163346.17	290.7102792	0.008745	0.366272	0.023874	0.980953
ENSG00000160439.16	290.8250807	-0.44001	0.368681	-1.19346	0.232689
ENSG00000186594.14	290.8310464	0.504273	0.390262	1.292139	0.196309
ENSG00000136235.17	290.8919092	-0.17631	0.389564	-0.45259	0.650841
ENSG00000024862.17	291.093114	-0.62978	0.436462	-1.44291	0.149046

ENSG00000143390.17	291.2074264	-0.33541	0.453163	-0.74015	0.459208
ENSG00000146676.10	291.2521955	0.653926	0.376585	1.736461	0.082482
ENSG00000116691.11	291.2607269	-0.33283	0.380776	-0.87409	0.382068
ENSG00000182552.15	291.2705947	-0.36797	0.388794	-0.94643	0.343929
ENSG00000020129.16	291.3068935	0.043088	0.488694	0.08817	0.929742
ENSG00000172292.15	291.3237989	-0.10795	0.372486	-0.2898	0.771967
ENSG00000117360.13	291.3417101	-0.02769	0.374615	-0.0739	0.941086
ENSG00000169609.14	291.3981054	-0.16807	0.369769	-0.45452	0.649456
ENSG00000174796.12	291.3983744	-0.65267	0.373582	-1.74706	0.080627
ENSG00000109016.17	291.4962207	-0.35066	0.365823	-0.95854	0.33779
ENSG00000164251.5	291.4992414	-0.25677	0.42751	-0.60063	0.548087
ENSG00000120549.18	291.5468636	-0.15507	0.385758	-0.40199	0.687689
ENSG00000261824.7	291.5518022	-0.23617	0.475422	-0.49676	0.619356
ENSG00000154059.11	291.639409	-0.66158	0.383815	-1.72369	0.084764
ENSG00000137496.18	291.7657174	-0.50991	0.379421	-1.34393	0.178972
ENSG00000121274.13	291.7878064	0.366831	0.407754	0.899638	0.368313
ENSG00000163528.13	292.0597087	-0.21728	0.399882	-0.54337	0.586874
ENSG00000115761.16	292.0606996	-0.11855	0.409077	-0.28979	0.771977
ENSG00000091129.21	292.0778759	-0.56426	0.455757	-1.23806	0.215692
ENSG00000213337.9	292.1158992	-0.13207	0.403004	-0.32772	0.74312
ENSG00000006282.21	292.1622542	-0.16695	0.391913	-0.42598	0.670122
ENSG00000122008.15	292.2247032	-0.5127	0.381026	-1.34557	0.17844
ENSG00000168140.5	292.315953	0.516189	0.444806	1.16048	0.245854
ENSG00000114126.18	292.3594883	-0.51378	0.391947	-1.31085	0.189908
ENSG00000184012.12	292.479095	-0.42714	0.371717	-1.14909	0.250518
ENSG00000167842.16	292.5076434	0.114372	0.397719	0.287571	0.773675
ENSG00000187091.14	292.5548326	0.139343	0.476407	0.292487	0.769914
ENSG00000166454.10	292.6222534	0.37452	0.404012	0.927001	0.353926
ENSG00000106477.20	292.7584883	-0.14414	0.368695	-0.39094	0.695841
ENSG00000198890.9	292.8959109	-0.09262	0.480653	-0.1927	0.847195
ENSG00000090372.15	292.9217925	0.278905	0.365935	0.762171	0.445958
ENSG00000013288.9	292.9467176	-0.32681	0.404282	-0.80837	0.418875
ENSG00000205060.11	293.1373329	-0.14824	0.374778	-0.39555	0.69244
ENSG00000065882.16	293.2040167	0.883598	0.404586	2.183953	0.028966
ENSG00000182871.16	293.2294373	0.715524	0.368499	1.941726	0.05217
ENSG00000240682.10	293.2323641	-0.00997	0.41962	-0.02376	0.981041
ENSG00000108100.18	293.2441412	0.28199	0.397668	0.709109	0.478257
ENSG00000196510.12	293.2820955	0.018194	0.413051	0.044048	0.964866
ENSG00000186812.13	293.3511366	0.148916	0.479781	0.310384	0.756269
ENSG00000127191.18	293.4833882	-0.03251	0.369628	-0.08795	0.929915
ENSG00000178105.11	293.624212	-0.05574	0.377119	-0.1478	0.882504
ENSG00000089351.14	293.6395527	0.363649	0.386805	0.940134	0.347149
ENSG00000123595.8	293.8439101	-0.18449	0.434333	-0.42478	0.671
ENSG00000173482.17	293.8583407	0.225412	0.389419	0.578842	0.562696
ENSG00000186687.16	293.905368	-0.45216	0.436604	-1.03564	0.30037
ENSG00000119596.18	293.9646669	0.384953	0.366426	1.050561	0.29346
ENSG00000100281.14	294.0437751	-0.1451	0.386287	-0.37563	0.70719
ENSG00000101391.21	294.0579417	-0.02757	0.368421	-0.07483	0.940348
ENSG00000140521.16	294.3256135	0.511597	0.379702	1.347366	0.177862
ENSG00000151532.14	294.3455256	-0.46513	0.408271	-1.13926	0.254596
ENSG00000125459.17	294.36391	-0.55111	0.375128	-1.46913	0.141797
ENSG00000105176.18	294.3804686	-0.21659	0.377999	-0.573	0.566645

ENSG00000237441.10	294.4783561	-0.33194	0.375489	-0.88402	0.376684
ENSG00000138764.15	294.4881283	-0.62398	0.421638	-1.47989	0.138903
ENSG00000119787.14	294.5067267	-0.47559	0.366676	-1.29704	0.194619
ENSG00000143633.13	294.6417466	-0.10041	0.368782	-0.27228	0.785407
ENSG00000267855.6	294.6622707	-0.09211	0.375678	-0.24519	0.806306
ENSG00000155380.12	294.6919752	-0.47506	0.390226	-1.21739	0.223455
ENSG00000166140.17	294.7073544	-0.15141	0.374778	-0.404	0.686216
ENSG00000177082.13	294.9146874	-0.22139	0.367127	-0.60302	0.546493
ENSG00000137145.20	294.9223123	-0.16607	0.390786	-0.42497	0.670859
ENSG00000239306.5	294.9993887	0.09112	0.440534	0.20684	0.836135
ENSG00000140577.16	295.025928	-0.36221	0.366725	-0.98768	0.323311
ENSG00000151388.11	295.1553041	-0.1029	0.387033	-0.26588	0.790331
ENSG00000184226.15	295.2305208	0.623994	0.444074	1.405158	0.159974
ENSG00000184831.14	295.3319033	-0.58429	0.416225	-1.40379	0.160382
ENSG00000123444.14	295.332059	-0.61907	0.494698	-1.25141	0.210785
ENSG00000169710.9	295.3524751	-0.07074	0.380418	-0.18594	0.852489
ENSG00000134255.14	295.3765199	-0.52038	0.391494	-1.32922	0.183776
ENSG00000140280.14	295.4085373	-0.46897	0.414036	-1.13268	0.257348
ENSG00000181031.16	295.4217873	-0.34017	0.390549	-0.87101	0.383748
ENSG00000101191.17	295.5888974	0.316823	0.390959	0.810374	0.417725
ENSG00000072609.17	295.5974138	-0.02485	0.372216	-0.06677	0.946763
ENSG00000135297.16	295.6387021	-0.25264	0.368523	-0.68555	0.492995
ENSG00000186184.19	295.6689353	0.056763	0.379224	0.149681	0.881016
ENSG00000166548.16	295.8284345	-0.05328	0.418285	-0.12738	0.89864
ENSG00000163050.17	295.9255702	-0.43492	0.390252	-1.11445	0.265087
ENSG00000114127.10	296.1486956	-0.60479	0.433856	-1.39399	0.163322
ENSG00000138688.15	296.2409538	-0.38487	0.381361	-1.00921	0.312874
ENSG00000115267.8	296.3354364	-0.04768	0.37654	-0.12664	0.899228
ENSG00000158793.14	296.3448988	-0.35745	0.383424	-0.93226	0.351204
ENSG00000180488.15	296.3565401	-0.30229	0.382851	-0.78959	0.429769
ENSG00000164182.11	296.3687633	0.206566	0.366609	0.563451	0.573128
ENSG00000074935.14	296.3729056	-0.75328	0.431479	-1.74581	0.080844
ENSG00000082213.18	296.4425833	-0.92731	0.430355	-2.15475	0.031181
ENSG00000158470.5	296.4993011	0.411314	0.37554	1.09526	0.273403
ENSG00000104756.16	296.5138545	-0.31305	0.387079	-0.80874	0.418667
ENSG00000147439.13	296.7011266	-0.0667	0.36942	-0.18056	0.856713
ENSG00000136807.14	296.7335033	0.046448	0.430597	0.10787	0.914099
ENSG00000148290.10	296.8210292	-0.01802	0.386473	-0.04662	0.962816
ENSG00000105732.13	296.8671193	-0.42385	0.393545	-1.077	0.281481
ENSG00000070423.18	296.9496765	-0.02776	0.422018	-0.06578	0.947553
ENSG00000162522.11	296.977186	0.342616	0.3699	0.926241	0.354321
ENSG00000112312.10	297.0468764	0.691628	0.382845	1.806549	0.070833
ENSG00000178028.14	297.0570908	0.042428	0.371885	0.114089	0.909167
ENSG00000197563.11	297.1559896	-0.82576	0.389329	-2.12099	0.033922
ENSG00000012817.16	297.2394432	-0.52291	0.406159	-1.28745	0.197937
ENSG00000120370.13	297.2889479	-0.29261	0.38691	-0.75629	0.449478
ENSG00000128872.10	297.3995491	-0.90494	0.470292	-1.92421	0.054328
ENSG00000174943.11	297.754414	-0.84336	0.408467	-2.06469	0.038952
ENSG00000117751.18	297.770611	-0.13249	0.37737	-0.35109	0.725518
ENSG00000081721.12	297.7747904	-0.60209	0.386979	-1.55586	0.11974
ENSG00000164366.4	298.0388422	0.175403	0.365036	0.480507	0.630867
ENSG00000171940.13	298.0906656	-0.29297	0.364143	-0.80456	0.421075

ENSG00000224281.5	298.110267	-0.20367	0.458073	-0.44462	0.656596
ENSG00000167779.9	298.111503	-0.01568	0.405141	-0.03871	0.969118
ENSG00000141965.5	298.4307677	0.506011	0.377028	1.342105	0.179562
ENSG00000177570.14	298.4892211	-0.42329	0.373129	-1.13442	0.256617
ENSG00000101079.21	298.4919747	-0.16085	0.40207	-0.40006	0.689109
ENSG00000130844.18	298.6113771	-0.72477	0.41842	-1.73217	0.083244
ENSG00000115457.10	298.7891545	0.981747	0.370581	2.649208	0.008068
ENSG00000186815.13	298.8616215	0.126547	0.386283	0.327601	0.743213
ENSG00000157778.9	298.8722787	0.209892	0.406494	0.516348	0.605611
ENSG00000108448.21	298.9744526	-0.70622	0.449749	-1.57025	0.116356
ENSG00000276085.1	298.9840457	-0.2634	0.567936	-0.46379	0.642798
ENSG00000178718.7	299.0359691	0.355116	0.423268	0.838987	0.401477
ENSG00000170234.13	299.130114	-0.15175	0.473133	-0.32074	0.748405
ENSG00000107738.20	299.1414494	-0.51346	0.405639	-1.26581	0.205583
ENSG00000173281.5	299.3624746	-0.26032	0.39153	-0.66489	0.506121
ENSG00000040341.18	299.3837243	-0.86539	0.375943	-2.30191	0.02134
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ENSG00000268043.7	299.5824918	-0.09297	0.4932	-0.1885	0.850481
ENSG00000166086.13	299.6035463	-0.16077	0.37777	-0.42557	0.67042
ENSG00000164187.7	299.7342854	-0.50869	0.369305	-1.37743	0.168378
ENSG00000183354.12	299.7431797	-0.16353	0.406408	-0.40239	0.687398
ENSG00000183508.5	299.7944627	0.148478	0.52454	0.283063	0.777128
ENSG00000148606.13	299.8075574	-0.15562	0.384045	-0.40522	0.685314
ENSG00000158859.10	299.8547968	0.53793	0.427756	1.257564	0.20855
ENSG00000085788.14	299.8748147	-0.15924	0.379313	-0.41982	0.674616
ENSG00000166167.18	299.888096	-0.56394	0.386399	-1.45948	0.144432
ENSG00000108256.9	299.8899434	-0.27255	0.414401	-0.65768	0.510741
ENSG00000143756.12	299.9745717	-0.67881	0.390675	-1.73754	0.082292
ENSG00000168569.8	300.025325	-0.14246	0.417269	-0.34141	0.732795
ENSG00000172534.14	300.0355723	0.220189	0.37799	0.582525	0.560213
ENSG00000116183.11	300.0390031	-0.0183	0.408708	-0.04477	0.964288
ENSG00000140367.12	300.0902173	-0.26925	0.371904	-0.72397	0.469087
ENSG00000175970.11	300.1208293	0.185621	0.376292	0.49329	0.621808
ENSG00000007062.12	300.1770201	0.005947	0.367372	0.016187	0.987085
ENSG00000102738.8	300.2394843	-0.25648	0.365877	-0.701	0.483304
ENSG00000055950.16	300.2679122	-0.14501	0.369498	-0.39246	0.69472
ENSG00000135617.4	300.3116741	-0.42665	0.431769	-0.98814	0.323083
ENSG00000188895.12	300.3256763	0.423706	0.367229	1.153793	0.248585
ENSG00000075234.17	300.468806	-0.24526	0.39121	-0.62693	0.530705
ENSG00000137073.23	300.6237126	0.211565	0.374139	0.565471	0.571753
ENSG00000168280.17	300.629075	0.532717	0.376375	1.415391	0.156954
ENSG00000165632.8	300.7424768	-0.18458	0.39883	-0.46281	0.643502
ENSG00000172009.15	300.8692731	0.344609	0.468751	0.735163	0.46224
ENSG00000112343.11	301.0340594	-0.26846	0.393625	-0.68203	0.495218
ENSG00000117697.15	301.120196	-0.57226	0.375616	-1.52354	0.127625
ENSG00000108666.10	301.1283798	-0.10961	0.374924	-0.29235	0.770019
ENSG00000164347.18	301.2447766	-0.01773	0.390803	-0.04537	0.963809
ENSG00000139182.15	301.246736	0.082277	0.47373	0.17368	0.862117
ENSG00000126947.13	301.2769321	-0.34321	0.443027	-0.77469	0.438526
ENSG00000162595.7	301.3036379	-0.4052	0.475649	-0.8519	0.394271
ENSG00000175073.8	301.3750898	0.003159	0.373882	0.00845	0.993258
ENSG00000042429.12	301.4019913	-0.15285	0.36556	-0.41812	0.675858

ENSG00000163029.16	301.4321455	-0.51042	0.375845	-1.35806	0.174445
ENSG00000100836.10	301.4520369	0.811112	0.395449	2.051114	0.040256
ENSG00000139132.14	301.4821561	-0.03856	0.365118	-0.1056	0.9159
ENSG00000139725.8	301.524637	0.109636	0.377542	0.290395	0.771514
ENSG00000146833.15	301.6086185	-0.44346	0.373238	-1.18813	0.234782
ENSG00000172059.11	301.6957013	-0.38097	0.4129	-0.92267	0.356177
ENSG00000122644.13	301.7689646	-0.28219	0.365131	-0.77285	0.43961
ENSG00000106701.13	301.816019	-0.66406	0.408798	-1.62442	0.104287
ENSG00000169288.18	301.8888463	-0.26512	0.375294	-0.70642	0.479927
ENSG00000159459.12	301.9724372	-0.09032	0.371498	-0.24314	0.8079
ENSG00000147044.22	301.9980155	0.168778	0.366505	0.460507	0.645153
ENSG00000163870.16	302.0371392	-0.36704	0.379051	-0.96831	0.332887
ENSG00000166949.16	302.0927955	0.300712	0.366059	0.821485	0.41137
ENSG00000196470.12	302.1308054	-0.11432	0.377608	-0.30276	0.762075
ENSG00000025708.14	302.13145	1.434724	0.510799	2.808783	0.004973
ENSG00000264577.1	302.2137846	-0.14622	0.417466	-0.35026	0.726141
ENSG00000129933.21	302.2387892	-0.43481	0.375542	-1.15781	0.246942
ENSG00000243955.6	302.3345895	0.130407	0.436148	0.298996	0.764943
ENSG00000162384.14	302.3651658	-0.62811	0.366784	-1.71247	0.08681
ENSG00000051382.9	302.3879906	-0.68401	0.376167	-1.81837	0.069008
ENSG00000176102.13	302.3891992	0.152353	0.393315	0.387355	0.698493
ENSG00000164615.5	302.4958319	-0.06032	0.378033	-0.15956	0.873228
ENSG00000167112.10	302.5111462	-0.17471	0.369991	-0.47219	0.636788
ENSG00000165996.14	302.5168012	0.228099	0.409951	0.556406	0.577933
ENSG00000254721.1	302.6279923	-0.14263	0.404261	-0.35283	0.724218
ENSG00000165060.15	302.7265941	-0.15625	0.389835	-0.40082	0.688552
ENSG00000151353.15	302.7300769	-0.00725	0.370658	-0.01957	0.984389
ENSG00000085872.15	302.8942268	-0.10046	0.385069	-0.2609	0.794171
ENSG00000198198.17	302.9924023	0.425418	0.367674	1.157053	0.247251
ENSG00000106785.15	303.1014966	-0.1629	0.368232	-0.44239	0.658209
ENSG00000119906.13	303.4226781	0.441972	0.443876	0.995712	0.31939
ENSG00000135249.8	303.5108173	-0.63571	0.392153	-1.62107	0.105003
ENSG00000160712.13	303.640954	-0.73544	0.426536	-1.72421	0.08467
ENSG00000133422.14	303.6529065	0.196527	0.379183	0.518291	0.604255
ENSG00000063660.9	303.7385437	0.811875	0.398657	2.036522	0.041698
ENSG00000197323.12	303.7524208	0.143361	0.433885	0.330413	0.741088
ENSG00000157823.17	303.9480488	-0.89899	0.439063	-2.04751	0.040608
ENSG00000149218.5	303.9899885	-0.16834	0.39808	-0.42288	0.672384
ENSG00000076003.5	304.0068714	0.415149	0.44851	0.925618	0.354644
ENSG00000143793.13	304.0456386	0.275403	0.407307	0.676156	0.498942
ENSG00000011132.12	304.134504	-0.43249	0.381321	-1.13418	0.256718
ENSG00000103061.13	304.1481232	-0.28808	0.410284	-0.70214	0.482594
ENSG00000112367.12	304.2148756	-0.07697	0.388413	-0.19816	0.842919
ENSG00000061273.18	304.4364761	0.426398	0.367844	1.159182	0.246382
ENSG00000132952.12	304.4879183	-0.97362	0.37222	-2.6157	0.008904
ENSG00000112796.10	304.5740307	-0.63837	0.431694	-1.47875	0.139206
ENSG00000104324.16	304.5916972	-0.43121	0.381097	-1.1315	0.257844
ENSG00000153107.13	304.7283007	-0.08385	0.382417	-0.21927	0.82644
ENSG00000140945.17	304.7668078	0.048431	0.384399	0.125992	0.899739
ENSG00000214194.9	304.7807927	-0.06245	0.384138	-0.16257	0.870857
ENSG00000126391.14	304.7961471	-0.42445	0.378478	-1.12148	0.262084
ENSG00000164938.14	304.8057182	-0.63192	0.418659	-1.5094	0.131196

ENSG00000131381.12	304.8142724	-0.46555	0.390246	-1.19296	0.232887
ENSG00000133028.12	304.8386261	-0.08946	0.373261	-0.23968	0.810582
ENSG00000105983.22	304.8429668	-0.47623	0.398674	-1.19454	0.232266
ENSG00000244462.8	304.9077904	0.041157	0.476515	0.086371	0.931172
ENSG00000255114.1	305.0878519	0.638083	0.378322	1.686616	0.091677
ENSG00000123144.11	305.2205746	1.035499	0.397661	2.603977	0.009215
ENSG00000214530.9	305.2427835	0.381065	0.391097	0.974349	0.329884
ENSG00000157764.14	305.2580735	-0.47544	0.37227	-1.27715	0.20155
ENSG00000132326.12	305.5087448	-0.12633	0.375017	-0.33687	0.736218
ENSG00000075568.17	305.5461454	-0.11905	0.3739	-0.31839	0.750191
ENSG00000250317.8	305.5700286	-0.09216	0.36586	-0.25191	0.801109
ENSG00000204070.10	305.6896563	-0.23157	0.365181	-0.63413	0.525993
ENSG00000131779.11	305.7966025	-0.72329	0.522384	-1.38459	0.166179
ENSG00000198853.12	305.8192037	0.184944	0.381947	0.484214	0.628234
ENSG00000138750.15	305.8233125	-0.7038	0.406421	-1.73169	0.083328
ENSG00000143479.17	305.9926029	-0.28383	0.444296	-0.63883	0.522931
ENSG00000101413.12	306.1466091	-0.1121	0.365158	-0.30698	0.75886
ENSG00000180329.14	306.209778	0.021381	0.374555	0.057085	0.954478
ENSG00000269893.8	306.2292171	0.119259	0.503699	0.236766	0.812838
ENSG00000112309.11	306.2838129	-0.24448	0.368142	-0.6641	0.506627
ENSG00000100296.13	306.3040727	0.327802	0.368904	0.888584	0.374227
ENSG00000136783.10	306.3549164	-0.38621	0.427028	-0.9044	0.365781
ENSG00000130669.17	306.405768	-0.15945	0.415862	-0.38343	0.701401
ENSG00000143093.15	306.4532807	-0.24872	0.383117	-0.64919	0.516215
ENSG00000152061.23	306.6266254	-0.17296	0.379817	-0.45537	0.64884
ENSG00000172915.18	306.6561293	0.168369	0.365462	0.460703	0.645012
ENSG00000058091.17	306.7013033	-0.31001	0.369288	-0.83947	0.401204
ENSG00000169193.12	306.7475869	-0.67946	0.436679	-1.55597	0.119716
ENSG00000139370.12	306.8079348	-0.17501	0.366622	-0.47737	0.6331
ENSG00000213380.15	306.9766057	-0.10803	0.400743	-0.26958	0.787485
ENSG00000136261.15	307.1319921	-0.15103	0.369838	-0.40838	0.682994
ENSG00000130559.19	307.1655409	0.180729	0.411689	0.438994	0.660666
ENSG00000089289.16	307.196553	-0.23055	0.369293	-0.62431	0.532426
ENSG00000021776.11	307.3627731	-0.28342	0.366311	-0.77371	0.439103
ENSG00000137393.10	307.4381946	-0.47568	0.434237	-1.09545	0.27332
ENSG00000168591.16	307.5974304	-0.16514	0.385399	-0.42849	0.668293
ENSG00000131788.16	307.6583429	-0.52564	0.443948	-1.184	0.236411
ENSG00000119630.14	307.7494237	-0.71797	0.466436	-1.53928	0.123737
ENSG00000071205.12	307.7755195	-0.11455	0.405373	-0.28259	0.777491
ENSG00000196922.10	307.778186	-0.29478	0.399165	-0.73848	0.460221
ENSG00000140598.15	307.8103688	-0.1718	0.368668	-0.46599	0.641222
ENSG00000084636.18	307.8464228	0.615397	0.412855	1.49059	0.136069
ENSG00000157870.17	307.8482624	-0.08856	0.428235	-0.20681	0.836161
ENSG00000101384.12	307.8639715	-0.04573	0.386666	-0.11827	0.905855
ENSG00000138623.10	308.0345817	0.463807	0.379605	1.221816	0.221777
ENSG00000229180.7	308.0650938	0.122781	0.37218	0.329897	0.741478
ENSG00000169122.11	308.0728552	-0.8704	0.393958	-2.20937	0.027149
ENSG00000156502.14	308.0749898	0.298857	0.4041	0.739562	0.459566
ENSG00000241258.7	308.1118679	-0.20465	0.377656	-0.54191	0.587882
ENSG00000143493.13	308.1223626	-0.45575	0.367744	-1.23931	0.21523
ENSG00000108064.11	308.1257057	0.071743	0.395749	0.181283	0.856146
ENSG00000100099.21	308.5319584	-0.09978	0.394236	-0.2531	0.800194

ENSG00000121957.15	308.5983762	-0.04901	0.365531	-0.13407	0.89335
ENSG00000170412.18	308.6090335	-0.14114	0.367707	-0.38385	0.701091
ENSG00000064703.12	308.6357668	-0.57935	0.417069	-1.3891	0.164801
ENSG00000008128.23	308.8924105	0.595612	0.426971	1.394969	0.163025
ENSG00000134809.9	309.0143696	0.28189	0.371825	0.758125	0.448376
ENSG00000131023.13	309.1206007	-0.50162	0.370793	-1.35283	0.176109
ENSG00000082397.17	309.3255055	-0.20142	0.37187	-0.54164	0.588065
ENSG00000087157.19	309.4519302	-0.15765	0.40487	-0.38938	0.696995
ENSG00000151065.14	309.5206687	-0.66486	0.416451	-1.59648	0.110382
ENSG00000187193.9	309.5635119	-1.18326	0.502229	-2.35601	0.018472
ENSG00000111727.12	309.6881495	-0.61435	0.432341	-1.42098	0.155324
ENSG00000114648.12	309.9408245	0.239292	0.369906	0.6469	0.517697
ENSG00000077150.20	310.0757486	1.225454	0.382749	3.201714	0.001366
ENSG00000128944.13	310.1484362	-0.34271	0.465861	-0.73564	0.461949
ENSG00000048991.16	310.183201	-0.4135	0.424007	-0.97523	0.329447
ENSG00000165660.8	310.2789425	-0.46294	0.391881	-1.18132	0.237475
ENSG00000068079.8	310.3059853	-0.32183	0.374386	-0.85962	0.389998
ENSG00000247828.8	310.3692354	0.119459	0.396777	0.301074	0.763358
ENSG00000151332.19	310.4537655	-0.6736	0.387116	-1.74006	0.081849
ENSG00000161513.12	310.4787614	-0.56664	0.43105	-1.31457	0.188656
ENSG00000165458.14	310.5905052	-0.19944	0.444083	-0.4491	0.653362
ENSG00000142599.19	310.6444793	0.845033	0.426548	1.981097	0.04758
ENSG00000165801.10	310.6475974	0.298974	0.401262	0.745084	0.456221
ENSG00000174442.12	310.7805579	-0.02344	0.38569	-0.06079	0.951529
ENSG00000173334.4	310.8025717	-0.15245	0.39504	-0.38592	0.699558
ENSG00000090989.18	310.8524443	-0.17018	0.362485	-0.46947	0.638732
ENSG00000124641.16	310.8722313	-0.5095	0.406735	-1.25265	0.210333
ENSG00000148187.18	311.0736403	-0.35066	0.384999	-0.9108	0.362403
ENSG00000197451.12	311.1279143	0.896911	0.377863	2.373641	0.017614
ENSG00000161179.14	311.1676497	-0.25355	0.376037	-0.67428	0.500132
ENSG00000148798.11	311.1677567	-0.00445	0.427109	-0.01043	0.99168
ENSG00000089195.15	311.200066	0.003478	0.364077	0.009554	0.992377
ENSG00000107263.18	311.2124272	0.199952	0.368395	0.542764	0.587292
ENSG00000166130.15	311.2194264	0.120061	0.387142	0.310122	0.756468
ENSG00000167113.11	311.3238638	0.010001	0.379867	0.026328	0.978996
ENSG00000118762.8	311.516898	0.084688	0.373277	0.226878	0.820519
ENSG00000154174.8	311.5973367	0.361989	0.369115	0.980694	0.326744
ENSG00000135750.15	311.6064987	-0.32108	0.388869	-0.82568	0.408987
ENSG00000168884.15	311.7544433	0.036704	0.367962	0.099749	0.920544
ENSG00000106603.19	311.7565935	-0.3231	0.391011	-0.82632	0.408621
ENSG00000116017.11	311.9867531	-0.15496	0.434489	-0.35665	0.721354
ENSG00000133878.9	312.1325455	-0.61093	0.393102	-1.55412	0.120157
ENSG00000146872.18	312.2812249	0.360741	0.420638	0.857604	0.391111
ENSG00000203485.14	312.4606921	0.61752	0.369933	1.669277	0.095063
ENSG00000105705.16	312.5032795	-0.19981	0.378806	-0.52747	0.597869
ENSG00000132510.10	312.6186612	0.010217	0.366164	0.027904	0.977739
ENSG00000104897.10	312.6492477	-0.34965	0.457989	-0.76344	0.4452
ENSG00000132967.9	312.6825522	0.497279	0.414208	1.200554	0.229924
ENSG00000115548.17	312.7402099	-0.4762	0.373415	-1.27526	0.202216
ENSG00000116001.17	312.7675262	-0.13976	0.372908	-0.37477	0.707828
ENSG00000089876.12	312.7759461	-0.09706	0.406768	-0.23862	0.811404
ENSG00000116685.16	312.7777688	0.59894	0.375054	1.596946	0.110278

ENSG00000162599.17	312.8997793	-0.23043	0.366325	-0.62903	0.52933
ENSG00000111196.10	312.9187085	0.129865	0.369663	0.351308	0.725358
ENSG00000228794.10	312.9334122	-0.74674	0.403816	-1.8492	0.064428
ENSG00000189334.9	312.9722294	0.058783	0.38249	0.153686	0.877857
ENSG00000137693.14	313.0078671	0.712876	0.393837	1.81008	0.070283
ENSG00000151176.8	313.0219857	-0.04379	0.396775	-0.11037	0.912115
ENSG00000122694.16	313.0891795	-0.43024	0.423359	-1.01626	0.309505
ENSG00000118007.13	313.1901141	-0.225	0.371942	-0.60494	0.545219
ENSG00000159267.15	313.192421	-0.40051	0.384173	-1.04253	0.297165
ENSG00000172893.16	313.5680368	-0.27929	0.408419	-0.68384	0.494079
ENSG00000171311.13	313.7108742	-0.12462	0.368111	-0.33854	0.734954
ENSG00000138018.18	313.7924674	-0.33062	0.36682	-0.90132	0.367416
ENSG00000151553.15	313.9024149	-0.32681	0.376011	-0.86915	0.384763
ENSG00000108846.16	313.9702346	0.260413	0.431848	0.60302	0.546495
ENSG00000136940.14	314.0766517	-0.43832	0.365618	-1.19884	0.230589
ENSG00000142627.13	314.0998716	-0.10238	0.365958	-0.27975	0.77967
ENSG00000182544.9	314.1246427	-0.15216	0.49078	-0.31004	0.75653
ENSG00000175115.13	314.1464993	0.358397	0.369803	0.969159	0.332466
ENSG00000287967.1	314.1795831	0.588602	0.440829	1.335216	0.181806
ENSG00000100211.10	314.2068298	-0.2776	0.380611	-0.72935	0.465789
ENSG00000168724.17	314.2849546	0.661364	0.477609	1.384739	0.166132
ENSG00000196507.11	314.3178272	0.130776	0.459805	0.284415	0.776092
ENSG00000168872.17	314.7130551	0.012572	0.36928	0.034046	0.97284
ENSG00000102393.13	314.7253789	-0.58902	0.430871	-1.36704	0.171611
ENSG00000132274.16	314.7580603	-0.26001	0.406608	-0.63945	0.522529
ENSG00000267795.6	314.7960873	0.843486	0.395892	2.130596	0.033122
ENSG00000170653.19	315.0614261	0.054431	0.434318	0.125325	0.900266
ENSG00000146733.14	315.1027834	-0.64157	0.416674	-1.53973	0.123626
ENSG00000160570.14	315.1272162	-0.35064	0.380611	-0.92125	0.35692
ENSG00000118200.14	315.1394022	0.013793	0.378914	0.036401	0.970962
ENSG00000170871.12	315.2302149	0.067466	0.412784	0.163441	0.870171
ENSG00000103042.9	315.2348597	-0.32704	0.372556	-0.87784	0.380031
ENSG00000257303.2	315.2647098	-0.29562	0.381625	-0.77463	0.438559
ENSG00000185559.16	315.4286135	-1.85362	1.333224	-1.39033	0.164429
ENSG00000254087.8	315.4472792	0.434038	0.387615	1.119767	0.262813
ENSG00000151689.13	315.7610027	-0.40714	0.387101	-1.05176	0.292908
ENSG00000128581.17	315.914546	-0.28678	0.424714	-0.67523	0.499532
ENSG00000107104.20	316.1241146	-0.02888	0.365663	-0.07899	0.937042
ENSG00000161202.20	316.2101094	0.290701	0.383018	0.758975	0.447868
ENSG00000114904.13	316.4398276	-0.84919	0.380005	-2.23469	0.025438
ENSG00000105397.14	316.4605907	0.689248	0.383596	1.796808	0.072366
ENSG00000006530.18	316.4656569	-0.63713	0.426267	-1.49467	0.135001
ENSG00000197798.9	316.5937407	-0.6666	0.400597	-1.66402	0.096108
ENSG00000143033.18	316.6012053	-0.38028	0.396441	-0.95924	0.337435
ENSG00000100347.15	316.6201324	-0.16058	0.38063	-0.42187	0.673116
ENSG00000145439.12	316.6406821	-0.23182	0.411693	-0.56308	0.573377
ENSG00000111110.12	316.6821928	-1.31373	0.403032	-3.25961	0.001116
ENSG00000123545.6	316.8368976	0.023295	0.374213	0.062251	0.950363
ENSG00000027847.14	316.9984917	-0.10761	0.363083	-0.29638	0.766938
ENSG00000104812.15	317.0007875	0.099504	0.4068	0.244603	0.806764
ENSG00000128309.16	317.0612029	-0.13842	0.369208	-0.37492	0.707718
ENSG00000151131.11	317.0828201	-0.32717	0.392243	-0.83411	0.404219

ENSG00000055147.19	317.2586387	-0.50172	0.377207	-1.3301	0.183486
ENSG00000142687.18	317.2588016	-0.05992	0.387721	-0.15455	0.87718
ENSG00000172113.9	317.3812234	-0.31442	0.368478	-0.85331	0.393489
ENSG00000178177.16	317.4073161	-0.71002	0.372017	-1.90856	0.056318
ENSG00000196204.12	317.448094	-0.02085	0.368051	-0.05664	0.954831
ENSG00000101882.10	317.562132	-0.18017	0.388686	-0.46353	0.642986
ENSG00000156026.14	317.5958757	-0.48436	0.380173	-1.27406	0.202641
ENSG00000168476.12	317.6203544	-0.30736	0.369834	-0.83106	0.405938
ENSG00000075539.15	317.634175	-0.30506	0.374778	-0.81397	0.41566
ENSG00000273763.2	317.7653957	-0.52839	0.432394	-1.22201	0.221704
ENSG00000108578.15	317.8165278	-0.10875	0.381801	-0.28482	0.775781
ENSG00000188786.10	317.8172237	-0.44982	0.362108	-1.24223	0.214151
ENSG00000135631.17	317.8598676	0.28291	0.371766	0.76099	0.446663
ENSG00000151304.6	318.1607107	-0.57695	0.362506	-1.59156	0.111485
ENSG00000197892.13	318.3574744	-0.87342	0.437566	-1.9961	0.045923
ENSG00000177410.13	318.4950004	-0.09882	0.519541	-0.19021	0.849148
ENSG00000037637.11	318.7427454	-0.02531	0.376184	-0.06727	0.946368
ENSG00000111907.21	318.8876437	-0.65206	0.400428	-1.62841	0.103438
ENSG00000122952.17	318.9349711	0.006688	0.442042	0.01513	0.987928
ENSG00000246859.3	318.9866422	0.144409	0.431823	0.334417	0.738065
ENSG00000167232.14	319.1956728	-0.33091	0.365347	-0.90574	0.365074
ENSG00000182973.18	319.3817945	-0.42074	0.383919	-1.0959	0.273121
ENSG00000174485.16	319.5524215	-0.48598	0.409856	-1.18572	0.235732
ENSG00000108021.20	319.7652697	0.863262	0.445177	1.939143	0.052484
ENSG00000103064.15	319.7716123	-0.30638	0.384921	-0.79594	0.426064
ENSG00000088682.14	319.8056128	-0.05099	0.373796	-0.13642	0.89149
ENSG00000078403.17	319.8898589	-0.33899	0.366515	-0.92491	0.355011
ENSG00000135766.9	319.9176838	0.271512	0.361832	0.750382	0.453024
ENSG00000038358.15	319.9285341	0.884353	0.493987	1.790235	0.073416
ENSG00000141696.13	319.9304275	0.060816	0.360658	0.168626	0.866091
ENSG00000157450.16	319.9572808	-0.16889	0.383694	-0.44018	0.659807
ENSG00000117153.16	320.2977415	-0.49696	0.375049	-1.32505	0.185153
ENSG00000121578.13	320.30162	-0.36985	0.363289	-1.01805	0.308655
ENSG00000136381.13	320.3516944	0.125467	0.383399	0.32725	0.743479
ENSG00000234127.9	320.4496128	0.236729	0.36193	0.654074	0.513064
ENSG00000140464.20	320.4648584	0.400819	0.372647	1.075597	0.282107
ENSG00000230551.4	320.4808948	-0.14722	0.366314	-0.4019	0.687759
ENSG00000170185.10	320.5304689	-0.72727	0.402791	-1.80558	0.070984
ENSG00000005238.20	320.5328175	-0.08671	0.39308	-0.22058	0.825418
ENSG00000188191.15	320.5449147	0.351603	0.369412	0.951793	0.341202
ENSG00000005059.16	320.5539424	-0.75084	0.467088	-1.6075	0.107946
ENSG00000145390.11	320.5833014	0.154387	0.427552	0.361096	0.718028
ENSG00000205133.12	320.6299457	-0.96543	0.413641	-2.33398	0.019597
ENSG00000205730.6	320.6708269	0.195721	0.366722	0.533705	0.593545
ENSG00000015153.15	320.7306032	0.143667	0.405586	0.354221	0.723173
ENSG00000066651.20	320.8026143	-0.62987	0.395329	-1.59328	0.111098
ENSG00000105221.18	320.8857564	0.517926	0.499252	1.037405	0.299547
ENSG00000164830.18	320.8868951	-0.22086	0.367998	-0.60018	0.548386
ENSG00000151690.15	320.9156762	-0.23641	0.367146	-0.64391	0.519635
ENSG00000105341.19	320.9507515	-0.26955	0.388497	-0.69382	0.487796
ENSG00000072736.19	320.989676	-0.155	0.371151	-0.41761	0.676231
ENSG00000163539.17	321.0167487	-0.1742	0.373258	-0.46669	0.640719

ENSG00000101220.18	321.1928697	-0.12567	0.364556	-0.34472	0.730308
ENSG00000109065.12	321.3684912	-0.25527	0.372428	-0.68542	0.49308
ENSG00000111602.12	321.4719627	-0.05254	0.37853	-0.13879	0.889618
ENSG00000173457.11	321.4922985	1.335865	0.440826	3.030369	0.002443
ENSG00000127419.17	321.6603486	-0.55152	0.411413	-1.34056	0.180063
ENSG00000173145.11	321.6725706	-0.27342	0.374355	-0.73039	0.465154
ENSG00000065802.12	321.6775693	0.294793	0.412039	0.715449	0.474332
ENSG00000108669.16	321.7650814	-0.02818	0.365231	-0.07717	0.938489
ENSG00000164465.19	321.8337361	0.012842	0.379612	0.03383	0.973013
ENSG00000145388.15	321.8641976	-0.34921	0.359748	-0.9707	0.331698
ENSG00000155906.19	321.8855784	-0.54209	0.36803	-1.47296	0.140762
ENSG00000262049.1	321.9101265	0.241513	0.392255	0.615703	0.538091
ENSG00000163644.15	321.9247528	-0.30774	0.386995	-0.79521	0.426491
ENSG00000123575.9	322.0475609	-0.09622	0.403667	-0.23837	0.811591
ENSG00000236287.8	322.0914116	-0.10326	0.365217	-0.28273	0.777386
ENSG00000267062.1	322.2739645	-0.17059	0.437335	-0.39006	0.696489
ENSG00000140463.14	322.3034369	-0.97915	0.382987	-2.55662	0.010569
ENSG00000136933.17	322.6102602	-0.29894	0.380248	-0.78616	0.431773
ENSG00000125611.15	322.6356911	-0.22995	0.37392	-0.61498	0.538566
ENSG00000115661.14	322.6584496	-0.63318	0.395914	-1.5993	0.109755
ENSG00000161999.13	322.7514561	0.736055	0.414036	1.777757	0.075444
ENSG00000254858.10	322.8036908	-0.82464	0.386312	-2.13466	0.032789
ENSG00000166902.5	322.8066166	-0.07404	0.378056	-0.19585	0.844726
ENSG00000151116.17	322.8639287	-0.56616	0.456919	-1.23907	0.215319
ENSG00000175110.11	322.9027232	-0.04253	0.361297	-0.11772	0.906286
ENSG00000164073.11	322.9116328	-0.86408	0.407128	-2.12237	0.033807
ENSG00000186318.16	322.9676136	-0.0088	0.369943	-0.02378	0.981029
ENSG00000007541.17	322.9852095	-0.02559	0.42776	-0.05982	0.952301
ENSG00000074356.17	322.9898552	0.291704	0.402534	0.724669	0.468655
ENSG00000065029.15	323.1108811	-0.59447	0.371283	-1.60113	0.109348
ENSG00000135931.18	323.2181028	-0.15859	0.362267	-0.43778	0.661543
ENSG00000002822.15	323.3198391	0.04201	0.364291	0.115321	0.908191
ENSG00000164402.14	323.4059931	0.272221	0.375053	0.72582	0.467949
ENSG00000170381.14	323.4131585	-1.41132	0.417923	-3.37698	0.000733
ENSG00000122863.6	323.4234913	0.221605	0.402691	0.55031	0.582107
ENSG00000180917.18	323.4264696	-0.59583	0.402625	-1.47985	0.138913
ENSG00000182541.18	323.4979582	-0.12338	0.365718	-0.33738	0.735833
ENSG00000124571.18	323.5444045	0.176553	0.369531	0.477777	0.632809
ENSG00000140400.17	323.5458778	0.031365	0.378797	0.082801	0.93401
ENSG00000131323.16	323.5570935	0.174001	0.371205	0.468745	0.639252
ENSG00000177917.11	323.6831232	-0.86316	0.389206	-2.21773	0.026573
ENSG00000141994.16	323.6877677	-0.24212	0.359809	-0.67292	0.500998
ENSG00000155329.12	323.8048477	-0.32442	0.390289	-0.83123	0.405845
ENSG00000006468.14	323.8081027	-0.50389	0.376929	-1.33683	0.181278
ENSG00000114982.19	323.8667369	-0.05581	0.369626	-0.151	0.879979
ENSG00000107371.13	323.8699947	-0.28569	0.415854	-0.68699	0.492087
ENSG00000241973.11	323.9420986	-0.13868	0.361505	-0.38361	0.701264
ENSG00000101871.16	323.9694344	-1.055	0.388838	-2.71321	0.006663
ENSG00000116138.13	323.9761786	-0.64077	0.443265	-1.44557	0.148297
ENSG00000164331.10	324.0184214	-0.85663	0.427408	-2.00424	0.045044
ENSG00000256646.7	324.0655361	-0.3654	0.475305	-0.76878	0.442025
ENSG00000075089.9	324.1283742	-0.44383	0.368099	-1.20575	0.227915

ENSG00000157045.9	324.1647811	-0.38291	0.411206	-0.93118	0.351759
ENSG00000183742.13	324.1856393	-0.01138	0.38983	-0.0292	0.976703
ENSG00000103942.13	324.3040995	0.018299	0.371129	0.049306	0.960675
ENSG00000136891.14	324.3411514	-0.51225	0.387296	-1.32263	0.185958
ENSG00000119401.10	324.4020149	-0.33405	0.443596	-0.75305	0.451421
ENSG00000196214.11	324.4148364	-0.32511	0.394295	-0.82454	0.409635
ENSG00000273319.1	324.7899499	-0.50563	0.432184	-1.16995	0.242023
ENSG00000118804.8	324.8189729	-0.59371	0.399751	-1.4852	0.13749
ENSG00000137563.12	324.9384498	-0.64985	0.43393	-1.49759	0.134239
ENSG00000213186.8	324.9453349	0.306153	0.502456	0.609314	0.542316
ENSG00000165832.6	325.0040081	-0.34623	0.371518	-0.93194	0.351368
ENSG00000163389.12	325.1328641	-0.49504	0.448185	-1.10455	0.269355
ENSG00000104064.17	325.296347	-0.28507	0.373394	-0.76345	0.445197
ENSG00000063241.8	325.3937747	0.012729	0.395322	0.032199	0.974314
ENSG00000134758.14	325.4945147	-1.06312	0.389101	-2.73224	0.00629
ENSG00000052749.14	325.5430265	0.503358	0.372745	1.350408	0.176885
ENSG00000162645.13	325.6094799	0.216385	0.367292	0.589136	0.55577
ENSG00000102096.9	325.6466623	-0.31655	0.380599	-0.83173	0.405564
ENSG00000121310.17	325.7432786	-0.38864	0.358766	-1.08326	0.278693
ENSG00000081760.17	325.8808674	0.083447	0.358853	0.232538	0.81612
ENSG00000071051.14	325.9683488	0.359807	0.367452	0.979193	0.327485
ENSG00000151743.11	326.0438054	-0.67712	0.405429	-1.67012	0.094895
ENSG00000118412.13	326.1133304	-0.50508	0.382792	-1.31946	0.187017
ENSG00000243716.10	326.1441775	-0.16093	0.499728	-0.32204	0.747423
ENSG00000232388.5	326.1701809	0.320855	0.390525	0.821599	0.411305
ENSG00000100395.15	326.2194659	-0.18385	0.367135	-0.50078	0.616526
ENSG00000173065.13	326.394303	-0.39032	0.416675	-0.93675	0.348885
ENSG00000232593.7	326.4980546	-0.3474	0.411593	-0.84404	0.398647
ENSG00000101346.14	326.5172053	0.221985	0.370022	0.599923	0.548557
ENSG00000079616.13	326.5298866	0.388005	0.37929	1.022977	0.306319
ENSG00000170522.10	326.5863149	0.314316	0.394661	0.79642	0.425788
ENSG00000174307.7	326.6470892	0.704737	0.395805	1.780516	0.074992
ENSG00000147894.17	326.709702	-0.93132	0.395094	-2.3572	0.018413
ENSG00000185808.13	326.8603755	-0.34366	0.368294	-0.93311	0.350764
ENSG00000147586.10	326.8824739	0.248203	0.3609	0.687733	0.491621
ENSG00000152620.13	327.0131745	-0.41908	0.384304	-1.09048	0.275501
ENSG00000116871.15	327.0150763	0.999118	0.383121	2.607843	0.009111
ENSG00000145569.6	327.1367118	-1.04131	0.535053	-1.94618	0.051633
ENSG00000077264.15	327.3837925	0.156759	0.392934	0.398946	0.689933
ENSG00000159403.18	327.4097714	0.029532	0.367701	0.080316	0.935986
ENSG00000139515.6	327.4324533	-0.54766	1.224659	-0.4472	0.654733
ENSG00000187024.15	327.457409	0.117658	0.365161	0.32221	0.747294
ENSG00000140259.7	327.7077867	-0.19878	0.363194	-0.54731	0.584166
ENSG00000115221.12	327.7981662	-0.39416	0.362934	-1.08603	0.277465
ENSG00000169118.18	327.8792938	-0.1282	0.420154	-0.30512	0.760277
ENSG00000227051.6	327.9108636	-0.8178	0.503652	-1.62374	0.104431
ENSG00000186141.9	328.1185228	-0.37704	0.363608	-1.03695	0.299758
ENSG00000166396.13	328.2556696	-0.7018	0.404265	-1.73599	0.082565
ENSG00000118894.15	328.4668138	-0.13915	0.36176	-0.38464	0.700503
ENSG00000120526.11	328.4674503	-0.33481	0.380701	-0.87947	0.379149
ENSG00000019144.19	328.4772769	0.919869	0.421492	2.182411	0.029079
ENSG00000070214.16	328.4813593	-0.27889	0.403379	-0.69138	0.489325

ENSG00000286140.1	328.5220739	-0.04354	0.487161	-0.08938	0.928781
ENSG00000092439.16	328.5306565	-0.5495	0.360239	-1.52537	0.127167
ENSG00000112763.17	328.5606513	0.016389	0.364367	0.044979	0.964124
ENSG00000138459.9	328.5760687	-0.75565	0.408098	-1.85163	0.064079
ENSG00000107669.17	328.6816934	-0.85391	0.372073	-2.295	0.021733
ENSG00000268205.1	328.6827894	-0.12861	0.37266	-0.34511	0.730009
ENSG00000112079.9	328.7674279	-0.47537	0.362314	-1.31203	0.189509
ENSG00000121039.10	328.9541186	-0.12137	0.362887	-0.33446	0.738029
ENSG00000196912.12	329.0734428	-0.57213	0.366183	-1.56243	0.118187
ENSG00000154127.10	329.131636	-0.70641	0.423192	-1.66925	0.095068
ENSG00000079691.18	329.1444986	-0.56071	0.470727	-1.19117	0.233588
ENSG00000162664.17	329.2000675	-0.14509	0.365132	-0.39736	0.6911
ENSG00000109756.9	329.2118675	-0.06272	0.363711	-0.17245	0.863083
ENSG00000075391.17	329.3270976	0.199244	0.362374	0.54983	0.582436
ENSG00000173276.14	329.3880798	-0.64696	0.449225	-1.44016	0.149822
ENSG00000097021.19	329.4000516	-0.13944	0.363082	-0.38405	0.70094
ENSG00000088451.11	329.4873537	-0.91247	0.406546	-2.24445	0.024803
ENSG00000088247.17	329.6274812	0.508061	0.388894	1.306426	0.191408
ENSG00000108306.13	329.670132	-0.83225	0.402713	-2.0666	0.038772
ENSG00000136631.15	330.0501075	0.033838	0.389865	0.086793	0.930836
ENSG00000266967.7	330.2230313	-0.00724	0.358414	-0.02019	0.983891
ENSG00000263986.1	330.2742803	0.130387	0.37666	0.346167	0.729217
ENSG00000236824.2	330.542854	3.758721	0.637757	5.893657	3.78E-09
ENSG00000141646.14	330.5487276	-0.45469	0.380365	-1.19541	0.231926
ENSG00000116922.14	330.5617219	-0.0287	0.423337	-0.06779	0.945951
ENSG00000056736.10	330.577293	-0.3507	0.37664	-0.93112	0.351794
ENSG00000156642.17	330.6517975	-0.15138	0.407979	-0.37105	0.710599
ENSG00000115109.14	330.7114854	-0.21913	0.407428	-0.53783	0.590697
ENSG00000142252.11	331.0073431	-0.06928	0.453191	-0.15286	0.878506
ENSG00000171055.15	331.0658396	0.391922	0.371524	1.054903	0.29147
ENSG00000196188.11	331.1851771	-0.75537	0.49799	-1.51683	0.12931
ENSG00000186716.21	331.2321797	0.637389	0.40323	1.580707	0.113945
ENSG00000134574.12	331.246403	0.121665	0.360237	0.337736	0.735562
ENSG00000039650.12	331.2492048	0.341196	0.368938	0.924806	0.355067
ENSG00000175105.7	331.3157601	-0.3314	0.385686	-0.85925	0.390201
ENSG00000100319.13	331.3169985	-0.32883	0.374879	-0.87716	0.380399
ENSG00000137804.14	331.4640036	0.4428	0.542121	0.816791	0.414048
ENSG00000087008.16	331.4720231	0.034909	0.365545	0.095498	0.92392
ENSG00000077463.15	331.5539135	0.079162	0.363339	0.217874	0.827528
ENSG00000101811.14	331.6950039	-0.27943	0.401464	-0.69602	0.486414
ENSG00000106399.11	331.7205078	0.319961	0.442258	0.723472	0.46939
ENSG00000139826.6	331.9284086	-0.23348	0.476679	-0.4898	0.624273
ENSG00000078114.19	332.0859107	-0.56869	0.370837	-1.53353	0.125144
ENSG00000165406.16	332.1055101	-0.34174	0.362178	-0.94357	0.345387
ENSG00000131652.14	332.2127372	-0.30132	0.374218	-0.80519	0.42071
ENSG00000132256.19	332.2275608	0.108772	0.367597	0.295901	0.767306
ENSG00000135842.17	332.2550628	-0.06308	0.436691	-0.14444	0.88515
ENSG00000126012.12	332.3120264	0.461372	0.396478	1.163676	0.244555
ENSG00000103404.14	332.3337746	0.126064	0.38016	0.331607	0.740186
ENSG00000088812.18	332.3422394	0.047853	0.382588	0.125078	0.900462
ENSG00000185722.18	332.4031884	0.073904	0.365033	0.202459	0.839558
ENSG00000061936.10	332.4452426	0.11012	0.400708	0.274813	0.78346

ENSG00000116984.14	332.4686549	-0.58845	0.377814	-1.55751	0.11935
ENSG00000104133.15	332.4871719	-0.29023	0.36464	-0.79593	0.426073
ENSG00000137055.15	332.8612166	-0.18837	0.368989	-0.51051	0.609697
ENSG00000168310.11	332.9300564	-0.45903	0.393968	-1.16516	0.243956
ENSG00000166199.13	332.9317251	-0.51023	0.402926	-1.26631	0.205403
ENSG00000117020.18	332.9382501	0.307795	0.386415	0.796539	0.425719
ENSG00000145022.4	332.9868648	-0.19319	0.46327	-0.41701	0.676669
ENSG00000151576.10	333.0452114	-0.12082	0.377857	-0.31975	0.749156
ENSG00000198373.12	333.1222031	0.161082	0.372197	0.432788	0.665169
ENSG00000108963.18	333.266803	-0.79811	0.379006	-2.1058	0.035221
ENSG00000185324.22	333.2816276	-0.34562	0.360902	-0.95765	0.338238
ENSG00000162959.13	333.3995173	-0.4127	0.409788	-1.00711	0.313881
ENSG00000151806.14	333.4116971	-0.91624	0.394361	-2.32334	0.020161
ENSG00000053254.15	333.4394743	-0.23026	0.381437	-0.60366	0.546073
ENSG00000028277.21	333.4629612	0.464488	0.49203	0.944023	0.345158
ENSG00000197343.11	333.562624	-0.28127	0.388487	-0.72402	0.469051
ENSG00000129317.14	333.6442593	-0.69	0.370254	-1.86358	0.062381
ENSG00000107960.11	333.8330728	-0.50401	0.408464	-1.23392	0.217231
ENSG00000058063.16	333.8741767	-0.06946	0.360156	-0.19287	0.84706
ENSG00000270170.2	334.0339626	0.670061	0.397424	1.686008	0.091794
ENSG00000115594.12	334.2106817	-0.09982	0.361492	-0.27612	0.782455
ENSG00000145715.15	334.2191019	-0.32526	0.390712	-0.83249	0.405133
ENSG00000165795.23	334.259746	-0.47705	0.401614	-1.18784	0.234895
ENSG00000072401.15	334.3822631	-0.59675	0.382045	-1.56198	0.118293
ENSG00000108395.14	334.4124304	0.335845	0.359416	0.934419	0.350088
ENSG00000105849.6	334.5042982	0.195252	0.360644	0.5414	0.588232
ENSG00000136522.14	334.731004	0.01153	0.37633	0.030637	0.975559
ENSG00000120008.16	334.9032731	-0.10769	0.399711	-0.26942	0.787608
ENSG00000103111.15	334.9233629	-0.80529	0.407764	-1.97489	0.048281
ENSG00000065883.16	334.9292621	-0.04695	0.361026	-0.13006	0.896519
ENSG00000115380.20	334.951176	-0.64947	0.387142	-1.67761	0.093424
ENSG00000186866.16	335.0897636	-0.24953	0.370208	-0.67403	0.500292
ENSG00000120656.12	335.4442916	-0.61845	0.376352	-1.64328	0.100325
ENSG00000235531.11	335.5178954	-0.3969	0.371444	-1.06853	0.28528
ENSG00000143367.16	335.669089	-0.28264	0.416957	-0.67786	0.497862
ENSG00000071889.17	335.6780337	-0.30289	0.360661	-0.83983	0.401002
ENSG00000100263.14	335.7150168	-0.26165	0.357092	-0.73274	0.463719
ENSG00000213339.9	335.7204543	-0.34499	0.358268	-0.96295	0.335573
ENSG00000066136.20	335.8842905	-0.29591	0.381945	-0.77475	0.438486
ENSG00000120616.16	335.8847766	-0.11479	0.379513	-0.30247	0.762296
ENSG00000106344.8	336.1516541	0.34694	0.387694	0.894882	0.37085
ENSG00000104472.10	336.1543732	-0.56858	0.434833	-1.30758	0.191016
ENSG00000100364.18	336.1742017	0.459476	0.357815	1.284116	0.199101
ENSG00000115317.12	336.4194334	-0.2013	0.358335	-0.56177	0.574275
ENSG00000206560.11	336.5299171	0.023039	0.375933	0.061285	0.951132
ENSG00000110066.15	336.5922137	-0.24752	0.382897	-0.64643	0.517998
ENSG00000105671.12	336.6674548	0.270926	0.389066	0.696351	0.486209
ENSG00000141503.17	336.6967858	0.389246	0.395124	0.985124	0.324563
ENSG00000131470.15	336.7102208	0.078256	0.37083	0.211028	0.832865
ENSG00000122557.11	337.0732597	-0.27145	0.405043	-0.67016	0.502753
ENSG00000146802.13	337.1585224	-0.5592	0.378385	-1.47786	0.139444
ENSG00000124784.9	337.2437506	-0.33998	0.364507	-0.9327	0.350972

ENSG00000116095.11	337.3632538	0.604363	0.43067	1.40331	0.160524
ENSG00000178425.14	337.3832146	-1.08685	0.46189	-2.35306	0.01862
ENSG00000164815.11	337.4490597	-0.55596	0.396411	-1.40248	0.160771
ENSG00000167987.11	337.5307134	0.145986	0.443873	0.328892	0.742238
ENSG00000149476.15	337.6252956	0.163702	0.374377	0.437264	0.66192
ENSG00000099282.10	337.6676409	-0.3782	0.44379	-0.8522	0.394101
ENSG00000151503.13	337.8101468	0.297614	0.366463	0.812124	0.41672
ENSG00000137822.13	337.9279643	-0.33979	0.399442	-0.85066	0.394959
ENSG00000183723.13	337.9396848	0.042604	0.361018	0.11801	0.90606
ENSG00000197329.12	338.1906804	-0.93414	0.402293	-2.32203	0.020231
ENSG00000152778.9	338.2144064	-0.19935	0.377752	-0.52773	0.597685
ENSG00000120594.17	338.5480541	-0.21644	0.379248	-0.5707	0.5682
ENSG00000108509.21	338.5564211	-0.39562	0.386694	-1.02307	0.306274
ENSG00000116141.16	338.5901058	-0.88958	0.421866	-2.10868	0.034972
ENSG00000178202.13	338.6062525	-0.23992	0.369645	-0.64905	0.516308
ENSG00000081019.13	338.6920998	-0.31573	0.415166	-0.7605	0.446958
ENSG00000130227.17	338.7225341	-0.1112	0.39157	-0.28397	0.776431
ENSG00000084676.15	338.833047	-0.29484	0.365547	-0.80658	0.41991
ENSG00000198176.13	338.8666791	0.475938	0.357059	1.33294	0.182552
ENSG00000104980.8	338.9214683	0.37836	0.399294	0.947573	0.343347
ENSG00000157542.11	339.0644284	-0.37169	0.49657	-0.74851	0.454151
ENSG00000165983.14	339.1718877	-0.24431	0.381204	-0.64089	0.521597
ENSG00000130177.16	339.2785069	0.32257	0.372223	0.866606	0.386158
ENSG00000117399.14	339.4270161	-0.0724	0.407491	-0.17768	0.858975
ENSG00000076928.18	339.4408377	0.553781	0.357519	1.548954	0.121393
ENSG00000125538.12	339.585676	0.209557	0.464769	0.450884	0.652073
ENSG00000124839.13	339.783156	0.000424	0.378687	0.00112	0.999106
ENSG00000198535.5	339.922601	1.045551	0.454608	2.299897	0.021454
ENSG00000198130.16	340.0061808	-0.37277	0.358514	-1.03977	0.298448
ENSG00000103197.18	340.1188895	0.409303	0.376499	1.087129	0.27698
ENSG00000171861.11	340.1444697	-0.09009	0.37182	-0.24229	0.808554
ENSG00000159023.21	340.183101	-0.41777	0.387133	-1.07914	0.280526
ENSG00000162976.13	340.2047556	-0.84442	0.410959	-2.05474	0.039904
ENSG00000119392.15	340.2334462	-0.26554	0.367677	-0.72221	0.470166
ENSG00000174173.7	340.2786566	0.137228	0.368055	0.372848	0.709262
ENSG00000285508.1	340.3363672	0.341475	0.361809	0.943799	0.345272
ENSG00000136840.19	340.4976316	-0.36464	0.363722	-1.00254	0.316084
ENSG00000151779.13	340.5223163	-0.09565	0.360325	-0.26546	0.790656
ENSG00000005175.10	340.6903745	-0.59415	0.396246	-1.49946	0.133756
ENSG00000188559.15	340.8067939	-0.20884	0.384371	-0.54332	0.586908
ENSG00000110871.15	340.925871	-0.24181	0.381269	-0.63422	0.525939
ENSG00000179604.10	340.9467687	-0.00447	0.402869	-0.0111	0.991143
ENSG00000119487.17	341.0483329	0.794179	0.448462	1.770893	0.076579
ENSG00000116514.16	341.4915264	0.37351	0.460148	0.811719	0.416953
ENSG00000156973.14	341.5400659	-0.50444	0.366336	-1.37698	0.168517
ENSG00000126804.13	341.5462497	-0.20436	0.366039	-0.55829	0.576646
ENSG00000101577.9	341.5473142	0.158188	0.357325	0.442702	0.657982
ENSG00000067533.6	341.6491922	0.627051	0.39327	1.594452	0.110835
ENSG00000067596.12	341.7325273	0.059874	0.410723	0.145777	0.884097
ENSG00000161249.21	341.9532457	-0.00823	0.362541	-0.0227	0.981887
ENSG00000113657.13	341.9861695	0.17895	0.368773	0.485258	0.627493
ENSG00000104960.15	342.0141887	0.776035	0.380397	2.040066	0.041344

ENSG00000116580.18	342.0303168	-0.21051	0.375734	-0.56028	0.575292
ENSG0000010165.20	342.1573025	0.133746	0.379588	0.352344	0.72458
ENSG00000119328.12	342.2240186	-0.88854	0.388367	-2.28788	0.022144
ENSG00000157214.14	342.3279804	0.358861	0.445319	0.805852	0.420328
ENSG00000130803.15	342.3541655	0.054703	0.426619	0.128224	0.897972
ENSG00000167904.15	342.4821069	-0.64406	0.422375	-1.52485	0.127296
ENSG00000176597.12	342.5758323	-0.39251	0.379425	-1.03449	0.300908
ENSG00000183955.13	342.6094973	0.325849	0.373046	0.873483	0.3824
ENSG00000101751.10	342.6611708	-0.37564	0.357514	-1.0507	0.293395
ENSG00000149346.15	342.821489	-0.18481	0.382096	-0.48369	0.628609
ENSG00000261236.8	342.8273314	0.651332	0.427656	1.523028	0.127752
ENSG00000063244.13	342.9021683	-0.08882	0.552193	-0.16086	0.872205
ENSG00000108370.17	342.9727124	-0.52257	0.375666	-1.39105	0.16421
ENSG00000156603.19	343.0461278	-0.13982	0.357804	-0.39077	0.695966
ENSG00000116212.15	343.1617238	-0.05941	0.375316	-0.15828	0.874235
ENSG00000114767.7	343.174081	-0.12505	0.359323	-0.34802	0.727827
ENSG00000163481.8	343.2808781	0.111265	0.398686	0.27908	0.780183
ENSG00000074590.13	343.2887265	0.274332	0.363899	0.753869	0.450928
ENSG00000070061.16	343.8634655	0.065355	0.368925	0.177151	0.85939
ENSG00000144034.16	344.07912	-0.33004	0.363626	-0.90764	0.36407
ENSG00000185070.11	344.152711	-0.34827	0.422399	-0.82451	0.40965
ENSG0000012232.9	344.2277904	-0.21364	0.366764	-0.58249	0.560237
ENSG00000173542.9	344.2544227	-0.47859	0.379343	-1.26163	0.207081
ENSG00000082269.16	344.2610467	-0.34801	0.390739	-0.89065	0.373118
ENSG00000156253.7	344.3038656	-0.36372	0.421625	-0.86267	0.388319
ENSG00000213066.13	344.4169449	-0.72334	0.364486	-1.98455	0.047195
ENSG00000171604.12	344.434473	-0.02063	0.359117	-0.05746	0.954181
ENSG00000175054.16	344.6890728	0.297883	0.378573	0.786858	0.431365
ENSG00000287916.1	344.6940988	1.383157	0.378485	3.654456	0.000258
ENSG00000259357.2	344.7801509	0.263988	0.363869	0.725503	0.468144
ENSG00000204178.11	344.8513183	-0.12422	0.365101	-0.34023	0.733685
ENSG00000198715.13	344.9921057	-0.09325	0.387347	-0.24074	0.80976
ENSG00000107164.16	345.002675	0.018649	0.366414	0.050896	0.959409
ENSG00000005810.18	345.0769497	-0.21247	0.371164	-0.57245	0.567015
ENSG00000111641.12	345.1481261	-0.26889	0.44301	-0.60697	0.54387
ENSG00000138593.9	345.2976027	-0.68438	0.480704	-1.4237	0.154534
ENSG00000172426.16	345.4137325	-0.17606	0.370409	-0.47531	0.634565
ENSG00000112130.17	345.49477	-0.3057	0.370868	-0.82428	0.40978
ENSG00000082146.13	345.5978018	-0.4862	0.392131	-1.23989	0.215018
ENSG00000203880.12	345.6674793	-0.84492	0.416283	-2.02967	0.04239
ENSG00000147650.11	345.7262672	-0.522	0.371836	-1.40385	0.160364
ENSG00000134987.11	345.7963378	-0.70496	0.408311	-1.72652	0.084253
ENSG00000122417.15	345.7984981	-0.18774	0.383407	-0.48966	0.624377
ENSG00000145979.18	345.9152832	-0.31912	0.359345	-0.88805	0.374512
ENSG00000081692.12	345.9416866	-0.30955	0.373701	-0.82833	0.407486
ENSG00000286070.2	345.9926263	0.011543	0.359232	0.032132	0.974367
ENSG00000091732.17	346.0127297	-0.33275	0.447169	-0.74413	0.456795
ENSG00000067113.17	346.1375626	-0.43509	0.438038	-0.99326	0.320583
ENSG00000251022.6	346.1463828	-0.61911	0.3647	-1.69759	0.089586
ENSG00000106025.9	346.2068558	-0.86986	0.450493	-1.93091	0.053495
ENSG00000064490.14	346.479441	0.134875	0.369838	0.364687	0.715345
ENSG00000145191.15	346.4962858	0.54157	0.413636	1.309291	0.190436

ENSG00000095574.12	346.5219562	-0.68742	0.4084	-1.6832	0.092337
ENSG00000196715.7	346.6074897	-0.42423	0.454186	-0.93404	0.350282
ENSG00000173926.6	346.7618509	-0.35002	0.378697	-0.92426	0.355349
ENSG00000165487.14	346.7827743	-0.3745	0.397323	-0.94256	0.345906
ENSG00000124209.4	346.7950574	-0.06661	0.358897	-0.18559	0.852768
ENSG00000058729.11	346.9893235	-0.20284	0.363061	-0.55871	0.576361
ENSG00000176095.12	347.0479643	-0.10021	0.376683	-0.26603	0.790213
ENSG00000089022.14	347.1118387	0.408514	0.4276	0.955365	0.339393
ENSG00000196497.17	347.1332549	0.410802	0.361798	1.135446	0.256188
ENSG00000143889.16	347.3897902	0.058666	0.465183	0.126115	0.899641
ENSG00000074964.17	347.42903	-0.00431	0.35839	-0.01203	0.990405
ENSG00000139436.21	347.4399629	-0.30777	0.361628	-0.85108	0.394726
ENSG00000171206.15	347.5201273	0.366066	0.431723	0.84792	0.396483
ENSG00000134769.21	347.7318105	-0.20223	0.385102	-0.52514	0.599484
ENSG00000196642.19	347.8362592	0.862465	0.399913	2.156629	0.031035
ENSG00000100028.12	347.8464032	0.364555	0.35847	1.016976	0.309165
ENSG00000122565.19	347.8996644	0.600662	0.370951	1.619248	0.105394
ENSG00000161677.12	347.9989826	-0.0908	0.359279	-0.25273	0.800474
ENSG00000172007.7	348.0601542	-0.54508	0.402131	-1.35548	0.175266
ENSG00000018236.15	348.0630476	-0.59842	0.465879	-1.28449	0.198969
ENSG00000166002.7	348.1193422	-0.06723	0.373918	-0.17981	0.857303
ENSG00000160753.16	348.206816	-0.3214	0.361642	-0.88873	0.37415
ENSG00000170677.6	348.5661753	-0.29633	0.370436	-0.79995	0.423738
ENSG00000147421.18	348.6431807	-0.84197	0.385053	-2.18663	0.02877
ENSG00000085760.15	348.9591618	-0.20419	0.394585	-0.51748	0.604819
ENSG00000172613.8	349.0057518	0.06579	0.36063	0.182431	0.855245
ENSG00000178209.15	349.2169873	0.1698	0.35741	0.475085	0.634726
ENSG00000110514.19	349.2914829	-0.19949	0.361432	-0.55194	0.580989
ENSG00000167378.8	349.2915742	0.059415	0.455458	0.130452	0.896209
ENSG00000158092.7	349.3843217	-0.78924	0.385029	-2.04983	0.040381
ENSG00000065491.8	349.4149496	-0.59055	0.375627	-1.57216	0.115912
ENSG00000225470.8	349.4628624	-0.12633	0.360294	-0.35063	0.725866
ENSG00000189376.12	349.6150485	-0.38143	0.369125	-1.03332	0.301452
ENSG00000127993.16	349.656131	-0.39838	0.394248	-1.01048	0.312264
ENSG00000172315.6	349.7267618	-0.23719	0.397352	-0.59694	0.55055
ENSG00000137824.16	349.9044986	-0.043	0.363506	-0.1183	0.905826
ENSG00000169446.5	349.9733824	-0.50076	0.403641	-1.24062	0.214747
ENSG00000113161.16	350.1715509	-0.06468	0.383294	-0.16874	0.866001
ENSG00000122550.18	350.1863028	-0.70111	0.386341	-1.81474	0.069563
ENSG00000221963.6	350.2778004	0.164174	0.357602	0.459097	0.646165
ENSG00000215193.13	350.3367891	-0.70986	0.446212	-1.59085	0.111643
ENSG00000156304.15	350.6032507	-0.16162	0.36246	-0.44589	0.655673
ENSG00000168159.13	350.6540917	0.563972	0.37983	1.484802	0.137596
ENSG00000116198.14	351.0314428	0.091853	0.361524	0.254071	0.79944
ENSG00000187325.5	351.0775053	-0.9486	0.54678	-1.73488	0.082762
ENSG00000104047.15	351.079513	-0.36024	0.378096	-0.95277	0.340708
ENSG00000169604.19	351.1103643	0.003471	0.405091	0.008569	0.993163
ENSG00000007392.17	351.1136727	-0.07118	0.360429	-0.19748	0.843448
ENSG00000162980.17	351.148556	-0.17397	0.579016	-0.30046	0.763826
ENSG00000170903.11	351.3309375	-0.30378	0.381873	-0.7955	0.426322
ENSG00000172057.10	351.4136175	0.674469	0.368836	1.828642	0.067453
ENSG00000184014.8	351.4534399	0.215549	0.37461	0.575396	0.565023

ENSG00000127666.10	351.5255427	0.129436	0.426327	0.303608	0.761426
ENSG00000030066.13	351.5883153	0.064415	0.40773	0.157985	0.874469
ENSG00000107872.12	351.7319742	-0.05457	0.355147	-0.15365	0.877889
ENSG00000148218.16	351.8299231	-0.14083	0.389154	-0.36187	0.717446
ENSG00000140382.15	351.8799973	-0.14973	0.357977	-0.41827	0.675748
ENSG00000035664.11	351.9385381	-0.91997	0.382116	-2.40757	0.016059
ENSG00000169032.10	352.0020083	0.334725	0.365282	0.916347	0.359485
ENSG00000114738.11	352.0715761	-0.26803	0.373623	-0.71739	0.473134
ENSG00000135924.16	352.2099964	0.691087	0.397036	1.740614	0.081751
ENSG00000188352.12	352.2216889	0.055269	0.371003	0.148971	0.881576
ENSG00000138613.14	352.2237539	-0.69283	0.386209	-1.79394	0.072823
ENSG00000121486.12	352.2783193	-0.56994	0.355355	-1.60385	0.108747
ENSG00000121390.19	352.2944235	-0.01062	0.357561	-0.02969	0.976314
ENSG00000139719.11	352.3010522	-0.01488	0.354931	-0.04191	0.966567
ENSG00000151292.17	352.3672086	-0.55876	0.371769	-1.50298	0.132844
ENSG00000204261.9	352.5326505	0.05474	0.35431	0.154499	0.877216
ENSG00000140675.13	352.7552713	0.038503	0.393002	0.097972	0.921954
ENSG00000047346.12	352.936571	0.205483	0.379764	0.541081	0.588452
ENSG00000020577.14	353.0053003	0.760586	0.479237	1.587078	0.112495
ENSG00000175575.13	353.0399327	-0.27299	0.386808	-0.70574	0.480349
ENSG00000156103.16	353.1307177	-0.85803	0.364537	-2.35376	0.018585
ENSG00000146842.17	353.3293363	-0.51408	0.372455	-1.38025	0.167511
ENSG00000146242.9	353.3637305	0.767925	0.425538	1.804599	0.071137
ENSG00000114388.14	353.3847307	-0.6352	0.36322	-1.74879	0.080327
ENSG00000087077.14	353.4491048	0.194991	0.378331	0.515398	0.606275
ENSG00000198742.9	353.4795454	0.285821	0.405611	0.704668	0.481017
ENSG00000067836.13	353.6431199	-0.41693	0.455362	-0.9156	0.359875
ENSG00000170581.14	353.717117	0.08907	0.363606	0.244964	0.806484
ENSG00000012963.15	353.7726585	-0.53492	0.400639	-1.33517	0.181822
ENSG00000019995.6	353.9770861	0.330627	0.402993	0.82043	0.411971
ENSG00000139637.14	354.239284	0.490801	0.380343	1.290419	0.196905
ENSG00000135164.19	354.2636605	-0.3984	0.369561	-1.07804	0.281014
ENSG00000172732.12	354.3060358	0.051919	0.361159	0.143757	0.885693
ENSG00000198805.12	354.410006	-0.00468	0.361256	-0.01296	0.989661
ENSG00000167470.12	354.4174031	0.196389	0.356644	0.550659	0.581867
ENSG00000235750.10	354.5213575	-0.62434	0.371405	-1.68102	0.09276
ENSG00000070814.22	354.643397	0.186874	0.372492	0.501686	0.615888
ENSG00000140365.16	354.6444521	-0.1201	0.364851	-0.32918	0.742017
ENSG00000092871.17	354.7189345	-0.06389	0.363527	-0.17575	0.860493
ENSG00000257950.3	354.7662218	0.40394	0.362634	1.113905	0.26532
ENSG00000280789.2	354.7783949	-0.32143	0.374242	-0.85889	0.3904
ENSG00000244879.8	354.7893254	0.351314	0.363127	0.967468	0.33331
ENSG00000005801.18	354.8786117	-1.18039	0.399726	-2.95299	0.003147
ENSG00000102974.16	355.0489197	0.231465	0.424948	0.544691	0.585966
ENSG00000197256.10	355.0649298	0.742565	0.390907	1.899595	0.057486
ENSG00000183155.5	355.2080011	-0.01467	0.394153	-0.03723	0.970305
ENSG00000085982.13	355.2206913	0.279981	0.475376	0.588967	0.555884
ENSG00000149115.14	355.2850571	0.166477	0.406447	0.40959	0.682107
ENSG00000100241.21	355.5506829	0.294273	0.36272	0.811294	0.417197
ENSG00000140829.12	355.5542404	0.567468	0.39899	1.42226	0.154951
ENSG00000176731.12	355.5811105	0.012124	0.364436	0.033267	0.973462
ENSG00000117222.14	355.6032704	-0.05457	0.402499	-0.13559	0.892146

ENSG00000188677.15	355.608471	-0.32017	0.382741	-0.83651	0.402866
ENSG00000160991.16	355.7405317	0.12639	0.382863	0.330117	0.741311
ENSG00000172765.17	355.862895	-0.67669	0.397855	-1.70085	0.088972
ENSG00000160588.10	356.1659915	-0.68722	0.372157	-1.84657	0.064809
ENSG00000188343.13	356.179308	-0.56985	0.368683	-1.54562	0.122195
ENSG00000173209.23	356.4087546	-0.31097	0.386309	-0.80498	0.420833
ENSG00000110987.9	356.4878784	0.059767	0.477188	0.125248	0.900327
ENSG00000257181.1	356.6206181	-0.98998	0.418566	-2.36516	0.018022
ENSG00000133121.21	356.6639747	-0.46876	0.370908	-1.26383	0.206293
ENSG00000141127.15	356.6956278	-0.47978	0.373481	-1.28463	0.198923
ENSG00000134986.14	356.8388241	-0.04285	0.434411	-0.09864	0.921424
ENSG00000162889.11	356.8848593	0.518421	0.379254	1.366951	0.171641
ENSG00000104774.13	356.8946539	0.258086	0.415585	0.621018	0.534588
ENSG00000040275.17	357.1582931	-0.31484	0.431314	-0.72995	0.46542
ENSG00000274333.4	357.3053752	0.184665	0.389013	0.4747	0.635001
ENSG00000198690.10	357.3437877	-0.30658	0.36279	-0.84508	0.398069
ENSG00000124383.9	357.4104724	-0.1329	0.364788	-0.36432	0.715616
ENSG00000197386.12	357.5048484	-0.12154	0.361082	-0.33659	0.736428
ENSG00000173960.14	357.5615099	-0.51036	0.380471	-1.34139	0.179795
ENSG00000114021.12	357.6268917	-0.30168	0.402482	-0.74956	0.45352
ENSG00000103034.14	357.6356124	-0.13796	0.359774	-0.38347	0.701371
ENSG00000051620.11	357.728641	0.780049	0.388483	2.007935	0.04465
ENSG00000119669.5	357.7364827	0.187046	0.378503	0.494174	0.621183
ENSG00000130300.9	357.8346601	0.233643	1.238456	0.188657	0.850362
ENSG00000141101.13	357.9312361	-0.27925	0.36941	-0.75595	0.449681
ENSG00000136504.13	358.0581761	-0.41292	0.357206	-1.15596	0.247697
ENSG00000165704.15	358.0641876	-0.28938	0.372883	-0.77605	0.43772
ENSG00000187742.15	358.4807202	-0.12814	0.358644	-0.35729	0.720872
ENSG00000125821.13	358.4871114	-0.13828	0.366351	-0.37746	0.705829
ENSG00000091483.7	358.5006881	-0.20507	0.366779	-0.55911	0.576086
ENSG00000205423.11	358.5439845	-0.65795	0.418237	-1.57315	0.115684
ENSG00000128891.15	358.5854524	-0.30041	0.353811	-0.84906	0.395848
ENSG00000185947.15	358.6992024	0.064221	0.479164	0.134026	0.893382
ENSG00000123609.11	358.8068506	-0.73186	0.375582	-1.9486	0.051343
ENSG00000257453.1	358.9287052	-0.56929	0.375628	-1.51557	0.129629
ENSG00000147459.18	359.0087203	-0.01439	0.411546	-0.03496	0.972115
ENSG00000143514.17	359.0183185	-0.19601	0.35431	-0.55322	0.580112
ENSG00000107341.5	359.2342033	0.733764	0.378085	1.940737	0.05229
ENSG00000061987.16	359.2730918	-0.52096	0.370195	-1.40725	0.159352
ENSG00000158186.13	359.4477252	-0.01608	0.355218	-0.04528	0.963888
ENSG00000138796.17	359.4765634	-0.2675	0.359805	-0.74345	0.457212
ENSG00000146281.6	359.4795897	-0.55896	0.381695	-1.46441	0.143081
ENSG00000196313.11	359.524288	0.237126	0.353759	0.670304	0.502664
ENSG00000182372.10	359.5482162	-0.45503	0.370164	-1.22926	0.218976
ENSG00000010818.10	359.6947531	-0.34741	0.381631	-0.91034	0.362643
ENSG00000104267.10	359.8979695	0.572625	0.489669	1.169412	0.242238
ENSG00000153406.13	359.9030051	0.010852	0.358649	0.030258	0.975861
ENSG00000072832.15	359.9093402	-0.49886	0.452975	-1.1013	0.270768
ENSG00000129493.15	360.0868959	-0.49485	0.459875	-1.07605	0.281906
ENSG00000039319.17	360.1070925	-0.14655	0.361582	-0.4053	0.685255
ENSG00000118946.12	360.1154713	0.658212	0.382968	1.718713	0.085667
ENSG00000126858.18	360.2344795	-0.27358	0.360348	-0.75921	0.447726

ENSG00000104957.14	360.2743554	-0.27966	0.387695	-0.72135	0.470694
ENSG00000111581.10	360.3201224	-0.40532	0.423687	-0.95664	0.33875
ENSG00000163703.19	360.3542653	-0.69566	0.387077	-1.79721	0.072302
ENSG00000169599.13	360.4064082	-0.74278	0.416626	-1.78285	0.074611
ENSG00000153560.12	360.4146868	0.129296	0.373353	0.346311	0.729109
ENSG00000144659.13	360.5417859	-0.35177	0.412009	-0.85379	0.393221
ENSG00000213753.11	360.5696399	-0.0098	0.418739	-0.0234	0.98133
ENSG00000269335.5	360.7451329	-0.19	0.394237	-0.48194	0.629846
ENSG00000262967.1	360.7456729	-0.29994	0.496901	-0.60362	0.546094
ENSG00000103811.17	360.7695473	-0.29301	0.376167	-0.77893	0.436023
ENSG00000173875.14	360.9431989	-0.02037	0.471041	-0.04324	0.965509
ENSG00000147324.11	360.9582462	1.009232	0.44433	2.271359	0.023125
ENSG00000273611.5	360.9632844	-0.36868	0.368039	-1.00173	0.316473
ENSG00000065054.14	360.9713865	0.402321	0.373819	1.076245	0.281817
ENSG00000144840.10	361.0826033	-0.49312	0.360486	-1.36794	0.171331
ENSG00000255639.3	361.0893718	-0.26101	0.39063	-0.66819	0.504013
ENSG00000157557.13	361.1767648	0.010429	0.368342	0.028313	0.977412
ENSG00000145725.20	361.2236977	-0.62593	0.367701	-1.70227	0.088705
ENSG00000198478.8	361.3198096	-0.19579	0.367172	-0.53324	0.593866
ENSG00000169375.16	361.4402147	-0.14976	0.358902	-0.41727	0.676482
ENSG00000255529.9	361.4995058	-0.39315	0.364819	-1.07765	0.281192
ENSG00000123352.18	361.503843	-0.00205	0.406779	-0.00504	0.995981
ENSG00000176261.15	361.5144749	-0.26803	0.398899	-0.67193	0.501626
ENSG00000183864.5	361.5243996	-0.37565	0.375554	-1.00026	0.317184
ENSG00000137642.13	361.608085	-0.31638	0.363269	-0.87092	0.383796
ENSG00000188603.21	361.642842	-0.37682	0.397996	-0.9468	0.343743
ENSG00000135048.14	361.7036533	0.076783	0.355341	0.216083	0.828923
ENSG00000104142.11	361.7959069	0.134807	0.379674	0.355058	0.722546
ENSG00000075413.18	362.0268338	0.693447	0.428697	1.617569	0.105755
ENSG00000122882.11	362.0951352	-0.28026	0.37729	-0.74283	0.457587
ENSG00000243725.7	362.0976643	0.010824	0.363473	0.029778	0.976244
ENSG00000162441.12	362.1143773	-0.70214	0.366767	-1.91441	0.055567
ENSG00000101928.13	362.5843568	-0.87052	0.432462	-2.01293	0.044122
ENSG00000242802.9	362.593863	0.175615	0.361091	0.486346	0.626722
ENSG00000100139.13	362.6631168	0.058574	0.366666	0.159748	0.87308
ENSG00000186395.8	362.6808703	0.569421	0.430175	1.323697	0.185604
ENSG00000129932.10	362.8146703	-0.10865	0.388437	-0.27972	0.779695
ENSG00000123297.20	362.8399857	-0.07014	0.357767	-0.19605	0.84457
ENSG00000108961.14	362.8456488	-0.0735	0.354662	-0.20724	0.835824
ENSG00000101132.10	362.9543641	-0.19068	0.427437	-0.44611	0.655517
ENSG00000198874.13	362.96156	-0.42704	0.399319	-1.06942	0.28488
ENSG00000155868.8	363.0416443	-0.23444	0.374058	-0.62675	0.530825
ENSG00000106236.4	363.1354952	0.088812	0.370927	0.239432	0.810771
ENSG00000126756.12	363.215239	0.035516	0.391807	0.090647	0.927773
ENSG00000206527.10	363.2686675	-0.13987	0.370408	-0.37762	0.705717
ENSG00000215845.11	363.4744054	0.224841	0.352919	0.63709	0.524066
ENSG00000101138.12	363.5941265	-0.41338	0.377639	-1.09465	0.273669
ENSG00000127334.11	363.7699774	-0.04741	0.35643	-0.13301	0.894188
ENSG00000163558.13	364.064432	-0.79964	0.372982	-2.14391	0.03204
ENSG00000056586.16	364.3630751	-0.15989	0.413017	-0.38713	0.698658
ENSG00000149823.9	364.4592749	0.45068	0.361004	1.248409	0.211881
ENSG00000174282.12	364.4828277	0.36904	0.379399	0.972695	0.330705

ENSG00000155363.18	364.6165251	0.171432	0.359213	0.477244	0.633188
ENSG00000130159.14	364.6939008	-0.41926	0.366356	-1.1444	0.252458
ENSG00000183688.4	364.7085923	0.341121	0.361091	0.944697	0.344814
ENSG00000152484.14	364.7421986	-0.15	0.356766	-0.42043	0.67417
ENSG00000106546.14	364.990993	0.075665	0.356682	0.212135	0.832002
ENSG00000138771.16	365.0767507	-0.03954	0.420324	-0.09408	0.925048
ENSG00000166526.18	365.0927105	-0.12042	0.362216	-0.33244	0.739557
ENSG00000196781.16	365.2329868	0.155728	0.371621	0.419051	0.675179
ENSG00000136710.10	365.2340259	-0.9007	0.382684	-2.35365	0.01859
ENSG00000134748.13	365.3446479	0.101326	0.355115	0.285332	0.775389
ENSG00000160785.13	365.6418748	-0.45735	0.411305	-1.11194	0.266163
ENSG00000046651.15	365.7690611	-0.50014	0.380787	-1.31343	0.189038
ENSG00000175826.12	365.8396509	0.922352	0.403212	2.287514	0.022166
ENSG00000138670.17	365.8429886	-0.31286	0.355854	-0.87919	0.379296
ENSG00000266338.6	365.9444119	-0.47365	0.368204	-1.28638	0.198309
ENSG00000184863.11	366.0162019	0.042275	0.365335	0.115714	0.907879
ENSG00000078246.17	366.0754532	-0.41926	0.391277	-1.07153	0.283931
ENSG00000168522.13	366.1735252	0.37029	0.358261	1.033575	0.301335
ENSG00000122965.11	366.2068024	0.376261	0.416277	0.903872	0.366063
ENSG00000121064.13	366.28693	-0.31228	0.359653	-0.86827	0.385245
ENSG00000149091.15	366.5772672	0.333035	0.37153	0.896388	0.370046
ENSG00000156050.10	366.659508	-0.26618	0.363885	-0.73149	0.464482
ENSG00000123095.6	366.8557577	-0.27572	0.451519	-0.61064	0.541438
ENSG00000205707.11	366.864793	-0.45061	0.469776	-0.95919	0.337461
ENSG00000130226.17	367.2467581	-0.68817	0.372951	-1.84521	0.065007
ENSG00000053372.5	367.302431	0.185007	0.374558	0.493934	0.621353
ENSG00000145860.12	367.5098613	0.152564	0.375202	0.406618	0.684288
ENSG00000173226.17	367.5104181	-0.92956	0.385977	-2.40832	0.016026
ENSG00000131558.15	367.5238557	-0.14014	0.357521	-0.39196	0.695084
ENSG00000056050.7	367.5355315	0.167864	0.357796	0.469163	0.638953
ENSG00000170946.15	367.5468522	-0.44593	0.399536	-1.11611	0.264374
ENSG00000182247.10	367.616501	-0.16577	0.374428	-0.44273	0.657964
ENSG00000134283.18	367.6383686	0.031344	0.355867	0.088078	0.929815
ENSG00000159216.19	367.8878791	-0.06433	0.412069	-0.15611	0.875944
ENSG00000153956.16	367.9712212	-0.57072	0.493304	-1.15693	0.247303
ENSG00000157985.19	368.0299091	0.658306	0.4092	1.608766	0.107668
ENSG00000112769.20	368.1717498	0.82991	0.401761	2.065683	0.038858
ENSG00000104154.7	368.4090049	-0.60983	0.457699	-1.33239	0.182732
ENSG00000101460.13	368.4272062	-0.45403	0.389247	-1.16643	0.243443
ENSG00000214174.8	368.4597108	-0.80608	0.430628	-1.87186	0.061225
ENSG00000277089.4	368.4832875	0.079037	0.556288	0.142079	0.887018
ENSG00000164944.12	368.5096833	0.464894	0.391675	1.186937	0.235252
ENSG00000143436.11	368.6753932	-0.13646	0.367135	-0.37168	0.710128
ENSG00000148634.15	368.6949082	-0.06046	0.369496	-0.16362	0.870027
ENSG00000151208.17	368.7263244	-0.17422	0.362528	-0.48058	0.630814
ENSG00000102901.13	368.952194	-0.01911	0.395569	-0.0483	0.961478
ENSG00000166164.16	369.0281542	0.533597	0.414303	1.287939	0.197767
ENSG00000179562.3	369.2348299	-0.11769	0.358089	-0.32867	0.742407
ENSG00000029639.11	369.3158285	-0.20743	0.422571	-0.49088	0.623513
ENSG00000105520.10	369.3334711	-0.1216	0.420809	-0.28897	0.772607
ENSG00000204103.4	369.4066496	0.312183	0.397056	0.786245	0.431724
ENSG00000141456.16	369.4854726	0.590986	0.396567	1.490257	0.136157

ENSG00000244405.8	369.5800556	-0.03884	0.380164	-0.10218	0.918618
ENSG00000178307.10	369.5885997	-0.17053	0.386586	-0.44113	0.659122
ENSG00000011114.15	370.3430776	0.219223	0.394603	0.555554	0.578515
ENSG00000179051.14	370.4167568	0.218508	0.356174	0.613487	0.539554
ENSG00000168487.19	370.556274	-0.21086	0.405644	-0.51982	0.603189
ENSG00000146416.19	370.7216839	-0.38228	0.359636	-1.06296	0.287799
ENSG00000175104.15	370.8620833	-0.69532	0.366608	-1.89662	0.057878
ENSG00000103429.11	371.0067185	-0.24432	0.38603	-0.63291	0.526794
ENSG00000048405.10	371.0084712	-0.23702	0.351704	-0.67391	0.500366
ENSG00000104915.15	371.0653228	-0.15204	0.358992	-0.42352	0.671918
ENSG00000134899.23	371.084897	0.348064	0.442423	0.786723	0.431444
ENSG00000182952.5	371.10939	-0.19599	0.352567	-0.55588	0.578292
ENSG00000198231.13	371.1775712	0.463786	0.371895	1.247091	0.212364
ENSG00000140694.17	371.3274185	-0.33311	0.377258	-0.88297	0.377252
ENSG00000179152.20	371.3714062	-0.4249	0.381541	-1.11363	0.265436
ENSG00000159111.13	371.4499176	-0.35591	0.370945	-0.95946	0.337328
ENSG00000065183.16	371.5388586	-0.20784	0.353205	-0.58845	0.556232
ENSG00000152518.8	371.658989	-0.50654	0.367534	-1.37822	0.168137
ENSG00000126522.17	371.7603249	-0.1618	0.361539	-0.44752	0.654497
ENSG00000113638.14	371.9465353	-0.94627	0.393409	-2.4053	0.016159
ENSG00000074582.15	371.9647205	-0.35331	0.361981	-0.97603	0.329049
ENSG00000175895.4	371.9786737	-0.71448	0.376347	-1.89846	0.057635
ENSG00000164284.15	372.0558944	-0.18048	0.377755	-0.47777	0.632814
ENSG00000108960.9	372.0633593	-0.50882	0.49268	-1.03276	0.301714
ENSG00000287765.1	372.1959576	-0.19773	0.374676	-0.52775	0.597675
ENSG00000118257.16	372.2634378	-0.13471	0.361215	-0.37292	0.709206
ENSG00000074054.19	372.4626468	-0.29795	0.379382	-0.78536	0.432243
ENSG00000105821.15	372.4682176	-0.52353	0.368326	-1.42138	0.155206
ENSG00000127774.7	372.6194461	0.187711	0.365289	0.513868	0.607344
ENSG00000094880.11	372.6218081	-0.23016	0.384937	-0.59792	0.54989
ENSG00000125812.16	372.7887593	-0.04311	0.481925	-0.08945	0.928721
ENSG00000272325.2	372.8234883	0.004391	0.398077	0.011031	0.991198
ENSG00000165156.15	372.8256199	0.083205	0.357151	0.232968	0.815786
ENSG00000153132.13	372.851219	-0.91074	0.436367	-2.08711	0.036879
ENSG00000197223.11	372.9669296	-0.53801	0.404494	-1.33009	0.183488
ENSG00000174243.10	373.0694073	0.324951	0.35634	0.911913	0.361815
ENSG00000117228.10	373.1314129	0.426462	0.411138	1.037272	0.299609
ENSG00000152219.5	373.1324023	-0.46806	0.36676	-1.2762	0.201883
ENSG00000141873.11	373.3514438	0.086214	0.397219	0.217044	0.828174
ENSG00000172336.5	373.4183172	-0.20173	0.376609	-0.53566	0.592193
ENSG00000198498.10	373.678494	0.255289	0.373207	0.684041	0.493949
ENSG00000198858.10	373.7380679	-0.29126	0.362747	-0.80294	0.42201
ENSG00000160326.14	373.7569339	-0.16038	0.474526	-0.33798	0.735377
ENSG00000065833.9	373.8357154	-0.46887	0.368746	-1.27152	0.203545
ENSG00000126456.16	374.0092612	0.020079	0.360768	0.055657	0.955615
ENSG00000102103.17	374.0824615	-0.02655	0.385456	-0.06888	0.945086
ENSG00000176946.12	374.164213	0.021912	0.359672	0.060921	0.951422
ENSG00000182150.18	374.2450893	-0.4356	0.354645	-1.22828	0.219342
ENSG00000172183.15	374.2707087	-0.38208	0.385814	-0.99031	0.322021
ENSG00000119681.12	374.3044865	0.261165	0.369985	0.70588	0.480263
ENSG00000205572.10	374.3422699	0.272535	0.384453	0.70889	0.478393
ENSG00000165417.12	374.4474092	-0.64169	0.401537	-1.59809	0.110024

ENSG00000082701.16	374.4653103	0.208733	0.366772	0.569109	0.569282
ENSG00000169016.17	374.4958612	-0.53318	0.356733	-1.49463	0.135012
ENSG00000170471.15	374.5413289	-0.40627	0.355498	-1.14281	0.253119
ENSG00000102858.13	374.5725656	-0.15292	0.427441	-0.35777	0.720517
ENSG00000105771.14	374.7107778	-0.44361	0.432771	-1.02505	0.305342
ENSG00000088325.16	374.7647614	0.35807	0.410195	0.872926	0.382703
ENSG00000135972.9	375.0542404	-0.50723	0.3928	-1.29132	0.196592
ENSG00000106077.18	375.1863664	-0.07306	0.381476	-0.19153	0.848112
ENSG00000279159.1	375.2592041	-0.01259	0.38621	-0.03261	0.973987
ENSG00000167258.15	375.4082588	-0.11795	0.362339	-0.32551	0.744795
ENSG00000113456.19	375.5414313	-0.31569	0.370916	-0.8511	0.394713
ENSG00000146278.11	375.5650882	0.565848	0.376026	1.504812	0.132372
ENSG00000159884.12	375.5690276	-0.23097	0.373526	-0.61835	0.536346
ENSG00000110025.13	375.6629947	-0.39384	0.366899	-1.07342	0.283081
ENSG00000183527.12	375.6890569	-0.38682	0.369656	-1.04644	0.295356
ENSG00000165912.16	375.7272843	-0.05365	0.357138	-0.15023	0.880584
ENSG00000122033.14	375.7498931	-0.33209	0.384925	-0.86275	0.388278
ENSG00000055208.19	375.9437975	0.121746	0.358222	0.339861	0.733961
ENSG00000114423.23	376.0388258	-0.36256	0.362874	-0.99914	0.317727
ENSG00000090905.19	376.2364434	0.921672	0.490842	1.877736	0.060417
ENSG00000186919.13	376.26379	0.106071	0.404746	0.262067	0.79327
ENSG00000205771.6	376.3734549	-0.5181	0.369211	-1.40326	0.160538
ENSG00000144524.18	376.3933141	-0.05211	0.402024	-0.12962	0.896864
ENSG00000032219.19	376.4221006	-0.44226	0.357164	-1.23824	0.215626
ENSG00000243646.10	376.4963803	-0.31603	0.365647	-0.86431	0.387418
ENSG00000160214.13	376.5207032	-0.25833	0.357869	-0.72184	0.470391
ENSG00000164880.16	376.7301563	0.84287	0.391397	2.153492	0.03128
ENSG00000099812.9	376.8164451	-0.15818	0.487447	-0.32452	0.745547
ENSG00000275023.5	377.0594799	0.292275	0.390815	0.747861	0.454544
ENSG00000157978.12	377.0710955	-0.40594	0.428276	-0.94784	0.343212
ENSG00000121060.18	377.1093092	0.223718	0.377887	0.592022	0.553836
ENSG00000147400.10	377.2119974	-0.16823	0.370542	-0.454	0.649827
ENSG00000105053.11	377.2430652	-0.32882	0.376092	-0.87432	0.381944
ENSG00000121680.16	377.2452217	-0.35865	0.36946	-0.97074	0.331677
ENSG00000182923.18	377.3145255	-0.7916	0.389231	-2.03374	0.041978
ENSG00000103657.14	377.3246538	-0.53154	0.431052	-1.23312	0.217531
ENSG00000102081.15	377.3842217	0.405876	0.363912	1.115313	0.264716
ENSG00000198815.9	377.3848277	-0.54506	0.35791	-1.5229	0.127784
ENSG00000069998.12	377.4793682	-0.38291	0.375423	-1.01995	0.307751
ENSG00000101752.11	377.5612087	-0.1747	0.370761	-0.4712	0.637497
ENSG00000214413.9	377.6296066	-0.18717	0.360873	-0.51867	0.603991
ENSG00000132950.19	377.7471043	-0.3815	0.373444	-1.02158	0.30698
ENSG00000158716.9	377.7551249	0.127984	0.351819	0.363779	0.716023
ENSG00000162413.16	377.8026815	0.082994	0.357632	0.232065	0.816487
ENSG00000104946.13	377.8061544	-0.38336	0.369734	-1.03684	0.299809
ENSG00000173530.6	377.8828372	0.004172	0.43839	0.009517	0.992407
ENSG00000135953.11	377.9404677	-1.11377	0.389424	-2.86005	0.004236
ENSG00000136108.15	377.949645	0.054792	0.433342	0.126441	0.899383
ENSG00000179134.15	377.953262	0.561157	0.373177	1.503728	0.132651
ENSG00000152242.11	378.2125038	-0.48988	0.355883	-1.37653	0.168658
ENSG00000182872.16	378.3155284	0.056984	0.355896	0.160114	0.872792
ENSG00000154556.18	378.4195624	-0.3823	0.371126	-1.03011	0.30296

ENSG00000185129.8	378.4793531	0.944492	0.379098	2.491418	0.012723
ENSG00000107262.25	378.5817001	0.143573	0.354807	0.404651	0.685734
ENSG00000244187.8	378.6027839	-0.13465	0.38764	-0.34737	0.728313
ENSG00000134900.12	378.6584563	0.047223	0.357821	0.131975	0.895004
ENSG00000149541.10	378.6715465	0.015509	0.386324	0.040144	0.967978
ENSG00000179387.10	378.7781876	-0.79326	0.399838	-1.98395	0.047262
ENSG00000141452.10	378.8174871	-0.264	0.370492	-0.71257	0.476111
ENSG00000141699.11	378.9062147	-0.54265	0.374654	-1.4484	0.147506
ENSG00000197535.14	379.0880729	0.087266	0.363206	0.240267	0.810123
ENSG00000071794.16	379.3775243	-0.34576	0.375829	-0.92	0.357575
ENSG00000184363.10	379.3820233	0.034501	0.427969	0.080615	0.935748
ENSG00000110723.12	379.5126554	-0.35665	0.455665	-0.78271	0.4338
ENSG00000119632.4	379.5297184	0.314118	0.35119	0.894439	0.371087
ENSG00000168818.10	379.5516505	-0.12291	0.353699	-0.3475	0.728217
ENSG00000129696.13	379.5971337	-0.24645	0.379778	-0.64893	0.516384
ENSG00000100949.14	379.7584828	-0.59207	0.353976	-1.67263	0.0944
ENSG00000066777.9	379.9962799	-0.02852	0.358738	-0.07951	0.936623
ENSG00000004864.14	380.0002964	-0.19253	0.381556	-0.50459	0.613848
ENSG00000188342.12	380.1213742	-0.14009	0.352786	-0.39709	0.691298
ENSG00000197150.12	380.1334332	-0.25358	0.363592	-0.69742	0.48554
ENSG00000154328.16	380.146425	0.046516	0.378149	0.12301	0.902099
ENSG00000078043.16	380.1552876	-0.74008	0.479363	-1.54388	0.122618
ENSG00000120693.14	380.4640744	-0.92084	0.488716	-1.88421	0.059536
ENSG00000172889.16	380.5851755	-0.30719	0.38473	-0.79845	0.424611
ENSG00000157911.11	380.618954	-0.22054	0.374483	-0.58892	0.555916
ENSG00000105655.19	380.8064261	-0.28124	0.360291	-0.7806	0.435039
ENSG00000173120.15	380.9034694	0.08895	0.35237	0.252434	0.800705
ENSG00000213694.6	381.0536444	0.236431	0.416157	0.56813	0.569947
ENSG00000117419.16	381.1326595	0.067756	0.35575	0.190461	0.848948
ENSG00000171298.13	381.1500832	-0.16002	0.386827	-0.41368	0.679107
ENSG00000204267.16	381.2933348	-0.48517	0.455505	-1.06512	0.286824
ENSG00000100558.9	381.295148	-0.32551	0.372615	-0.87357	0.382351
ENSG00000155903.13	381.3752281	-1.0828	0.399305	-2.7117	0.006694
ENSG00000001629.10	381.5591998	-0.14105	0.352802	-0.3998	0.689305
ENSG00000005889.15	381.6307768	-0.50764	0.359698	-1.4113	0.158158
ENSG00000099875.14	381.8527852	0.147701	0.47637	0.310055	0.756519
ENSG00000168765.17	381.927508	-0.36673	0.384593	-0.95354	0.340316
ENSG00000129071.9	381.9579538	-0.24098	0.36214	-0.66544	0.505768
ENSG00000159256.13	382.0534634	-0.3108	0.353303	-0.87969	0.379025
ENSG00000168917.9	382.1801061	-0.59443	0.434116	-1.3693	0.170907
ENSG00000036257.13	382.7395484	0.266599	0.373324	0.714121	0.475152
ENSG00000041802.11	382.7573119	-0.26515	0.362237	-0.73197	0.464185
ENSG00000232677.9	382.8877874	-0.09436	0.363439	-0.25964	0.795138
ENSG00000184508.12	382.8954834	-0.32699	0.350408	-0.93316	0.350739
ENSG00000178927.18	383.0259445	-0.17712	0.367143	-0.48242	0.629505
ENSG00000136104.21	383.0324106	-0.42248	0.386979	-1.09173	0.274952
ENSG00000117151.13	383.3397702	-0.62756	0.387612	-1.61904	0.105438
ENSG00000101017.14	383.4046139	-0.58983	0.382359	-1.54262	0.122923
ENSG00000086289.12	383.4201822	-0.14684	0.397282	-0.3696	0.711677
ENSG00000198265.12	383.4316702	-0.27463	0.363476	-0.75558	0.449902
ENSG00000128271.22	383.6571654	0.235246	0.394563	0.596218	0.55103
ENSG00000196526.10	383.7485709	0.087948	0.358837	0.245093	0.806385

ENSG00000070718.12	383.8110835	-0.41624	0.361217	-1.15231	0.249192
ENSG00000135521.9	383.8847698	-0.52584	0.403842	-1.30208	0.192888
ENSG00000250021.7	383.9467725	-0.36651	0.390081	-0.93958	0.347433
ENSG00000095303.17	384.0539063	-0.6132	0.397735	-1.54174	0.123137
ENSG00000130005.13	384.1734562	-0.28684	0.374744	-0.76544	0.444009
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ENSG00000167323.11	384.2801604	-0.33234	0.352084	-0.94393	0.345207
ENSG00000106635.8	384.424233	-0.07706	0.353185	-0.21819	0.82728
ENSG00000198042.11	384.4327234	-0.28502	0.379641	-0.75076	0.452794
ENSG00000176108.9	384.5893305	-0.25535	0.420395	-0.6074	0.543585
ENSG00000129691.16	384.7222097	-0.1431	0.395545	-0.36178	0.717516
ENSG00000100083.19	384.8367329	0.21135	0.393175	0.537548	0.590889
ENSG00000175707.9	385.0169736	-0.71754	0.420494	-1.70642	0.08793
ENSG00000256043.3	385.0686086	-1.22001	0.515547	-2.36643	0.017961
ENSG00000100393.14	385.0813809	0.500513	0.399353	1.253311	0.210093
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ENSG00000117528.14	385.3548058	-0.33331	0.388938	-0.85697	0.391462
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ENSG00000118898.16	385.4225945	0.086214	0.400053	0.215507	0.829372
ENSG00000130935.10	385.4294205	0.020469	0.374968	0.054588	0.956467
ENSG00000184990.13	385.5186814	-0.04449	0.353778	-0.12574	0.899935
ENSG00000119912.17	385.5319463	-0.66618	0.396386	-1.68063	0.092835
ENSG00000100095.19	385.5819723	-0.80342	0.479196	-1.67659	0.093623
ENSG00000204604.12	385.6319701	-0.34823	0.365183	-0.95357	0.3403
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ENSG00000166783.22	385.7796392	-0.51411	0.354471	-1.45037	0.146956
ENSG00000178996.14	385.7957395	0.110722	0.401353	0.275872	0.782647
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ENSG00000133195.11	385.8598964	-0.45439	0.360409	-1.26076	0.207395
ENSG00000104870.13	385.9628441	-0.30909	0.369096	-0.83743	0.402353
ENSG00000115159.16	386.1097372	-0.41968	0.433671	-0.96773	0.33318
ENSG00000131378.14	386.1168034	0.00136	0.388171	0.003503	0.997205
ENSG00000156709.15	386.2325932	0.151949	0.362779	0.418848	0.675327
ENSG00000083457.12	386.2597101	-0.05569	0.351233	-0.15854	0.874028
ENSG00000165322.18	386.2821355	-0.9475	0.38231	-2.47835	0.013199
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ENSG00000074266.21	386.3488006	-0.12157	0.373794	-0.32524	0.744999
ENSG00000101246.20	386.3757971	-0.02976	0.422023	-0.07052	0.943779
ENSG00000168685.15	386.4880851	0.019843	0.372972	0.053204	0.95757
ENSG00000143457.11	386.5123273	-0.84506	0.385837	-2.1902	0.02851
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ENSG00000108439.11	386.569939	-0.50511	0.362871	-1.392	0.163924
ENSG00000123159.16	386.5906444	0.577784	0.366548	1.576285	0.11496
ENSG00000014919.13	386.8551044	-0.11323	0.362765	-0.31214	0.754932
ENSG00000160131.13	386.8730624	0.117788	0.408664	0.288227	0.773173
ENSG00000119979.18	386.958679	-0.45535	0.409961	-1.11072	0.266691
ENSG00000258315.5	386.9861642	-0.22944	0.389182	-0.58956	0.555488
ENSG00000223501.9	387.2083783	-0.25339	0.399179	-0.63479	0.525566
ENSG00000181991.16	387.5356812	-0.145	0.371114	-0.39071	0.696013
ENSG00000117625.14	387.6017735	-0.5521	0.373556	-1.47795	0.13942

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ENSG00000138081.21	387.8163167	-0.09641	0.351138	-0.27456	0.783656
ENSG00000221838.10	387.99586	-0.48285	0.384687	-1.25516	0.209419
ENSG00000100888.15	388.2204836	0.598473	0.381546	1.568549	0.116753
ENSG00000105819.14	388.2370562	-0.29075	0.366522	-0.79327	0.427623
ENSG00000159674.12	388.4416202	0.161638	0.372961	0.43339	0.664731
ENSG00000075914.13	388.6239715	-0.28437	0.379464	-0.74939	0.453622
ENSG00000187607.16	388.8844536	-0.28139	0.351021	-0.80163	0.422767
ENSG00000227507.3	388.8955304	-0.18866	1.126411	-0.16749	0.866987
ENSG00000120925.16	389.1624716	-0.91259	0.39132	-2.33207	0.019697
ENSG00000204842.18	389.1973216	-0.16886	0.372098	-0.45382	0.64996
ENSG00000110315.7	389.7013564	-0.35378	0.353051	-1.00207	0.31631
ENSG00000066926.12	389.7960366	-0.70552	0.424795	-1.66084	0.096746
ENSG00000087116.16	390.0009413	0.143272	0.368315	0.388994	0.697281
ENSG00000107862.5	390.0594071	-0.13404	0.417314	-0.32119	0.748067
ENSG00000123268.9	390.0872408	-0.71325	0.369968	-1.92788	0.05387
ENSG00000114650.20	390.3316296	0.395645	0.358989	1.102109	0.270414
ENSG00000081177.18	390.4481785	-0.64538	0.378617	-1.70456	0.088276
ENSG00000156928.5	390.4484735	-0.18183	0.369268	-0.49241	0.622433
ENSG00000242114.6	390.4890947	-0.55214	0.392201	-1.40781	0.159188
ENSG00000198382.9	390.5965439	-0.05087	0.361873	-0.14056	0.888214
ENSG00000109220.11	390.6556383	-0.42713	0.37228	-1.14732	0.251248
ENSG00000187778.14	390.8452532	-0.11642	0.356027	-0.327	0.743669
ENSG00000126070.20	390.9335843	-0.63182	0.36476	-1.73215	0.083247
ENSG00000167272.11	391.2417553	-0.01173	0.367976	-0.03187	0.974579
ENSG00000131495.9	391.3108039	0.186959	0.350939	0.532738	0.594215
ENSG00000122140.11	391.3110547	-0.00883	0.353278	-0.02501	0.98005
ENSG00000137513.10	391.4025746	-0.46881	0.362656	-1.29271	0.196113
ENSG00000132793.12	391.5326712	-0.28593	0.431441	-0.66273	0.507504
ENSG00000158290.18	391.5416578	-0.11026	0.371125	-0.2971	0.766391
ENSG00000117479.15	391.7559829	-0.86262	0.363284	-2.3745	0.017573
ENSG00000138035.15	391.884461	-0.57516	0.397783	-1.44592	0.1482
ENSG00000124688.14	391.9880158	-0.47834	0.374059	-1.27877	0.200978
ENSG00000148660.20	392.0886131	0.077785	0.399567	0.194674	0.845648
ENSG00000184117.12	392.264601	-0.20193	0.405563	-0.49789	0.618562
ENSG00000272921.1	392.4051319	-0.36922	0.446683	-0.82658	0.408475
ENSG00000185215.11	392.4195044	0.268302	0.37607	0.713436	0.475576
ENSG00000178538.10	392.4330131	-0.26786	0.374549	-0.71515	0.474515
ENSG00000197279.4	392.6172133	-0.40324	0.367888	-1.0961	0.273035
ENSG00000143537.14	392.6400266	0.775654	0.358072	2.166194	0.030296
ENSG00000166483.11	392.6497334	-0.07581	0.40908	-0.18533	0.852973
ENSG00000175792.12	393.0562796	-0.1601	0.364628	-0.43908	0.660602
ENSG00000114933.16	393.0737988	-0.47606	0.391324	-1.21654	0.223778
ENSG00000148584.15	393.3378421	-0.46233	0.408225	-1.13253	0.257413
ENSG00000198642.7	393.3511935	-0.11941	0.369778	-0.32291	0.746763
ENSG00000066855.16	393.3541067	-0.79816	0.375457	-2.12585	0.033516
ENSG00000198794.12	393.503773	-0.31557	0.429001	-0.73559	0.461978
ENSG00000066084.13	393.6063285	-0.12005	0.366769	-0.32732	0.743426
ENSG00000136861.18	393.6111713	-0.20142	0.359346	-0.56052	0.575122
ENSG00000165934.13	393.8933428	-0.60705	0.362807	-1.6732	0.094287
ENSG00000119408.17	393.9506309	0.036431	0.38283	0.095164	0.924185
ENSG00000116786.13	394.0440443	0.353968	0.360604	0.981596	0.326299

ENSG00000176383.9	394.1139556	-0.29339	0.353655	-0.82959	0.406768
ENSG00000173653.8	394.2123969	-0.57679	0.390027	-1.47884	0.139183
ENSG00000104517.13	394.4456825	0.249575	0.350697	0.711653	0.476679
ENSG00000174840.9	394.4637184	-0.56015	0.427931	-1.30896	0.190547
ENSG00000180263.14	394.8571418	-0.2843	0.364265	-0.78048	0.435109
ENSG00000131844.16	394.8857405	-0.57706	0.377404	-1.52902	0.126259
ENSG00000163577.8	394.9254075	-0.35743	0.359828	-0.99334	0.320546
ENSG00000153823.19	395.0750424	0.050055	0.388728	0.128765	0.897544
ENSG00000248323.7	395.1033509	0.17721	0.368613	0.480749	0.630695
ENSG00000129315.11	395.3337171	-0.31842	0.439547	-0.72444	0.468797
ENSG00000100299.18	395.4058725	-0.51528	0.430051	-1.19817	0.23085
ENSG00000148700.15	395.4486417	-0.663	0.385221	-1.72108	0.085236
ENSG00000108510.10	395.6264847	-0.27057	0.359574	-0.75247	0.451771
ENSG00000276043.5	395.8208151	0.440993	0.457248	0.964449	0.334821
ENSG00000119471.15	395.8338201	-0.60955	0.370011	-1.64738	0.099481
ENSG00000100938.18	395.8625765	0.424662	0.367537	1.155427	0.247916
ENSG00000147364.17	395.8934619	-0.20077	0.375895	-0.53411	0.593265
ENSG00000180198.16	395.9818355	-0.19211	0.358102	-0.53645	0.591645
ENSG00000145431.11	396.0796058	-0.1367	0.353925	-0.38623	0.699327
ENSG00000105472.13	396.2964081	0.257557	0.363214	0.709105	0.478259
ENSG00000152348.16	396.401405	0.081155	0.385305	0.210627	0.833179
ENSG00000147687.19	396.4431564	-0.17161	0.352926	-0.48624	0.626797
ENSG00000119041.11	396.7177851	-0.36684	0.374394	-0.97982	0.327176
ENSG00000100297.16	396.8288327	0.068328	0.40745	0.167696	0.866822
ENSG00000119125.17	396.8354819	0.696323	0.474047	1.468889	0.141863
ENSG00000006611.16	396.8540584	-0.32384	0.357495	-0.90587	0.365004
ENSG00000187257.16	396.9749483	-0.14322	0.376067	-0.38083	0.703329
ENSG00000139620.13	396.9800316	-0.58268	0.363125	-1.60463	0.108574
ENSG00000204394.13	397.0523063	1.005788	0.383103	2.625371	0.008655
ENSG00000142396.10	397.067966	-0.05188	0.348983	-0.14867	0.881812
ENSG00000166532.16	397.2762711	-0.58433	0.353544	-1.65279	0.098373
ENSG00000076067.13	397.3784697	-0.81761	0.368542	-2.21851	0.02652
ENSG00000170291.15	397.4014048	0.259976	0.348086	0.746872	0.455141
ENSG00000041988.15	397.4511247	-0.22181	0.350014	-0.63371	0.526268
ENSG00000035687.10	397.5486769	-0.31823	0.366604	-0.86805	0.385367
ENSG00000106608.17	397.5747431	-0.0944	0.35162	-0.26848	0.788333
ENSG00000178988.11	397.7301486	0.150489	0.362522	0.415118	0.678055
ENSG00000106484.16	397.7888811	-0.49699	0.457745	-1.08574	0.277593
ENSG00000141337.12	398.0288858	-0.30036	0.359578	-0.83531	0.403545
ENSG00000146386.8	398.0792831	-0.55134	0.408096	-1.351	0.176697
ENSG00000167766.18	398.1062581	0.069698	0.392511	0.177569	0.859062
ENSG00000104825.17	398.1118604	0.080637	0.36148	0.223074	0.823478
ENSG00000164307.13	398.1754292	-0.38344	0.356854	-1.0745	0.282601
ENSG00000099977.14	398.2222538	-0.05115	0.405048	-0.12628	0.899511
ENSG00000156171.14	398.2279318	-1.14453	0.441518	-2.59226	0.009535
ENSG00000117262.19	398.2681602	-0.63483	0.361846	-1.75443	0.079356
ENSG00000152942.19	398.2905424	-1.08979	0.391595	-2.78295	0.005387
ENSG00000121858.11	398.3412124	-0.84489	0.440713	-1.91709	0.055227
ENSG00000151693.11	398.6894549	-0.17363	0.36649	-0.47376	0.635672
ENSG00000147654.15	398.7328229	-0.56596	0.359958	-1.57229	0.115884
ENSG00000198692.10	398.7694096	-0.15896	0.373853	-0.42519	0.670695
ENSG00000124802.12	398.8519628	0.172079	0.42551	0.404407	0.685913

ENSG00000105726.17	398.8640525	0.070498	0.397186	0.177493	0.859121
ENSG00000106144.20	399.0904225	-0.03574	0.416202	-0.08588	0.931563
ENSG00000128039.11	399.1363804	-0.79228	0.450784	-1.75756	0.078822
ENSG00000128789.21	399.3766532	-0.4089	0.373253	-1.09549	0.2733
ENSG00000124198.9	399.3824743	-0.57987	0.352337	-1.64577	0.09981
ENSG00000196542.8	399.459393	0.425143	1.134134	0.374861	0.707764
ENSG00000120802.14	399.4697667	0.147399	0.376777	0.391211	0.695642
ENSG00000164506.14	399.4713851	0.065037	0.359617	0.180852	0.856484
ENSG00000104325.7	399.5337389	-0.48462	0.364417	-1.32986	0.183565
ENSG00000006712.15	399.6003573	0.015814	0.351934	0.044933	0.96416
ENSG00000132376.20	399.8070455	-0.6436	0.371296	-1.7334	0.083025
ENSG00000053371.12	400.0228287	-0.16418	0.359165	-0.45711	0.647591
ENSG00000113361.13	400.0343332	0.019256	0.497614	0.038697	0.969132
ENSG00000122741.16	400.0965316	0.155908	0.368593	0.422981	0.672309
ENSG00000198862.14	400.1374674	-0.63696	0.37663	-1.69122	0.090795
ENSG00000196976.7	400.1609769	-0.01469	0.355474	-0.04132	0.967041
ENSG00000183098.11	400.3354159	-0.56172	0.427204	-1.31486	0.188556
ENSG00000089916.18	400.7009521	-0.46838	0.353749	-1.32406	0.185484
ENSG00000161800.13	400.7084369	0.277892	0.503838	0.551551	0.581256
ENSG00000163362.11	400.7447836	0.270012	0.374979	0.720073	0.47148
ENSG00000101665.9	400.7649042	0.191204	0.40382	0.473489	0.635864
ENSG00000225648.5	400.8060113	-0.47335	0.400493	-1.18191	0.23724
ENSG00000177646.19	400.8169244	0.10697	0.357719	0.299033	0.764915
ENSG00000123124.14	400.8273206	-0.51959	0.357153	-1.4548	0.145724
ENSG00000163904.13	401.3289205	-0.32043	0.350255	-0.91484	0.360277
ENSG00000189223.15	401.4905231	-0.24665	0.362928	-0.67962	0.496744
ENSG00000204941.14	401.6970537	-0.31125	0.499541	-0.62307	0.533242
ENSG00000175906.5	401.7148452	-0.55839	0.412429	-1.3539	0.175768
ENSG00000178149.17	401.7908424	-0.28266	0.369447	-0.76509	0.44422
ENSG00000154096.14	401.9216519	-0.30655	0.377972	-0.81105	0.417336
ENSG00000058799.15	401.9654792	-0.55332	0.371352	-1.49001	0.136221
ENSG00000146066.3	402.0634766	0.089744	0.36566	0.24543	0.806124
ENSG00000214049.8	402.1474236	-1.21023	0.523862	-2.31021	0.020876
ENSG00000162231.14	402.2286204	0.248672	0.378342	0.657269	0.511008
ENSG00000138433.16	402.2678132	-0.23745	0.412064	-0.57626	0.564443
ENSG00000106355.10	402.2814773	-0.08085	0.362002	-0.22333	0.82328
ENSG00000258947.7	402.3306611	-0.104	0.434206	-0.23953	0.810697
ENSG00000172638.13	402.3436903	0.323381	0.368119	0.878471	0.379688
ENSG00000125877.13	402.4716329	-0.02	0.369151	-0.05417	0.956798
ENSG00000100124.15	402.4761129	-0.2277	0.366072	-0.62202	0.53393
ENSG00000281649.2	402.4868143	0.158812	0.374311	0.424279	0.671362
ENSG00000089177.19	402.534461	-0.34336	0.389535	-0.88147	0.378065
ENSG00000095794.19	402.7334935	-0.34748	0.365159	-0.95158	0.341312
ENSG00000173456.5	402.746736	0.021529	1.139206	0.018898	0.984922
ENSG00000116641.18	402.8072302	1.11529	0.377672	2.953069	0.003146
ENSG00000155744.9	402.8642549	-0.37735	0.36735	-1.02722	0.304319
ENSG00000112651.12	403.0034971	-0.00484	0.356289	-0.01357	0.989171
ENSG00000114742.14	403.053934	-0.87329	0.373097	-2.34064	0.019251
ENSG00000177971.8	403.238583	-0.07023	0.421164	-0.16675	0.867564
ENSG00000105063.19	403.33555	0.637369	0.348638	1.828169	0.067524
ENSG00000213551.7	403.3730195	0.046151	0.410292	0.112484	0.91044
ENSG00000176407.18	403.473738	0.836321	0.375541	2.226975	0.025949

ENSG00000188157.15	403.6218866	0.312105	0.374338	0.833752	0.404421
ENSG00000128294.16	403.624821	-0.224	0.398469	-0.56216	0.57401
ENSG00000064313.12	403.7956717	-0.50889	0.356236	-1.42851	0.153146
ENSG00000173273.16	403.9846154	-0.438	0.347379	-1.26086	0.207359
ENSG00000162777.17	404.0006078	-0.6289	0.376923	-1.66851	0.095214
ENSG00000170619.10	404.1804162	-0.15567	0.433064	-0.35947	0.719243
ENSG00000153944.12	404.1937192	-0.17876	0.355368	-0.50302	0.614951
ENSG00000148690.12	404.3224903	-0.3031	0.34762	-0.87194	0.383241
ENSG00000196182.11	404.3626959	0.128846	0.376227	0.34247	0.731997
ENSG00000130479.11	404.4045844	0.540654	0.367631	1.470644	0.141387
ENSG00000141378.15	404.4986636	0.214261	0.347869	0.615924	0.537945
ENSG00000163161.14	404.5083681	-0.16293	0.348443	-0.46761	0.640067
ENSG00000255248.9	404.5214091	0.159414	0.350287	0.455095	0.649041
ENSG00000099992.16	404.672746	-0.37478	0.407693	-0.91927	0.357955
ENSG00000119878.6	404.7426682	-0.39408	0.403149	-0.97751	0.328318
ENSG00000159388.6	404.7953086	-0.67984	0.399748	-1.70066	0.089006
ENSG00000181852.18	404.8535949	-0.63093	0.349973	-1.80281	0.071419
ENSG00000165152.9	404.9046695	-0.40576	0.378191	-1.07289	0.283319
ENSG00000282556.3	404.9724229	-0.054	0.369369	-0.1462	0.88376
ENSG00000107854.6	405.0553516	0.031045	0.352942	0.087961	0.929907
ENSG00000006695.12	405.082519	-0.28246	0.416042	-0.67893	0.497182
ENSG00000086102.19	405.1133388	-0.21643	0.351574	-0.61559	0.538163
ENSG00000107779.14	405.2968377	-0.63643	0.393836	-1.61597	0.1061
ENSG00000141510.18	405.3099481	0.132038	0.359964	0.36681	0.713761
ENSG00000108175.17	405.3503289	-0.34619	0.374211	-0.92513	0.354897
ENSG00000137815.14	405.4072394	0.650822	0.405253	1.605965	0.108282
ENSG00000131724.11	405.4292045	-0.16178	0.368713	-0.43877	0.660831
ENSG00000157540.22	405.5421325	-0.21987	0.354662	-0.61996	0.535286
ENSG00000124588.21	405.5759141	-0.6407	0.379567	-1.68798	0.091414
ENSG00000129255.16	405.6504237	-0.17157	0.353509	-0.48535	0.627432
ENSG00000111266.9	405.6615161	-0.30692	0.368767	-0.83228	0.405252
ENSG00000158615.9	405.6788941	-0.02828	0.347555	-0.08137	0.935145
ENSG00000179119.15	405.6861214	0.245696	0.41463	0.592566	0.553472
ENSG00000198937.9	405.7961416	0.334577	0.349226	0.958054	0.338036
ENSG00000011405.13	405.9439467	0.399803	0.391302	1.021725	0.306911
ENSG00000211584.14	406.2441448	-0.15073	0.504196	-0.29894	0.764984
ENSG00000172086.9	406.4241348	-0.40985	0.362008	-1.13217	0.257565
ENSG00000095564.14	406.4546607	-0.37579	0.397429	-0.94556	0.344371
ENSG00000167123.19	406.6210324	-0.0605	0.360666	-0.16773	0.866793
ENSG00000111300.10	406.7038841	0.012185	0.350251	0.034789	0.972248
ENSG00000107625.13	406.945434	-0.1892	0.400168	-0.47279	0.63636
ENSG00000066697.15	406.991968	0.230023	0.350657	0.655978	0.511838
ENSG00000075945.13	407.082064	-0.14109	0.371178	-0.38013	0.703852
ENSG00000164751.15	407.1314125	-0.69451	0.431514	-1.60948	0.107511
ENSG00000069869.16	407.2522054	0.801156	0.44688	1.792775	0.073009
ENSG00000137267.6	407.3135136	0.19584	0.46142	0.424429	0.671253
ENSG00000203705.11	407.4059341	-0.48874	0.367333	-1.33052	0.183347
ENSG00000266028.7	407.4695506	-0.3728	0.348783	-1.06886	0.285132
ENSG00000163697.17	407.5042212	-0.40903	0.355574	-1.15034	0.250006
ENSG00000213928.9	407.5650465	-0.44422	0.376779	-1.179	0.238399
ENSG00000104880.18	407.5874531	0.385765	0.361004	1.068587	0.285256
ENSG00000079819.19	407.7062616	0.598799	0.42357	1.413694	0.157452

ENSG00000267519.6	407.7249527	0.503055	0.39806	1.263767	0.206314
ENSG00000149269.10	407.8137749	-0.14497	0.373035	-0.38863	0.697549
ENSG00000119638.13	407.8197956	-0.06199	0.362229	-0.17112	0.864126
ENSG00000183597.16	407.831025	-0.84186	0.376171	-2.23798	0.025222
ENSG00000102606.18	408.0546148	-0.51376	0.3771	-1.3624	0.173072
ENSG00000186918.14	408.201251	-0.05248	0.509273	-0.10304	0.917929
ENSG00000265491.5	408.4444491	0.02655	0.373817	0.071025	0.943378
ENSG00000125755.19	408.4693999	0.86005	0.382028	2.251275	0.024368
ENSG00000179151.13	408.482692	-0.5692	0.383666	-1.48357	0.137923
ENSG00000107798.18	408.5061478	-0.8669	0.42691	-2.03063	0.042293
ENSG00000124789.12	408.6364133	0.028568	0.365332	0.078199	0.93767
ENSG00000163602.10	408.7022203	0.403238	0.432002	0.933417	0.350605
ENSG00000182795.13	408.7182045	-0.53908	0.378146	-1.4256	0.153984
ENSG00000124151.19	408.8288646	-0.52742	0.35833	-1.47188	0.141054
ENSG00000123415.15	409.0900709	-0.17061	0.349054	-0.48879	0.624992
ENSG00000085274.15	409.2268497	-0.39534	0.352883	-1.12031	0.262581
ENSG00000109320.13	409.2400837	0.409042	0.35666	1.146868	0.251436
ENSG00000166477.13	409.2543297	-0.51636	0.422612	-1.22184	0.221769
ENSG00000104381.14	409.299994	-0.55801	0.374765	-1.48895	0.1365
ENSG00000170892.12	409.4688137	0.006722	0.453052	0.014837	0.988163
ENSG00000167985.7	409.6145753	-0.31178	0.435701	-0.71557	0.474256
ENSG00000132313.15	409.6484014	-0.20576	0.394649	-0.52136	0.602114
ENSG00000109790.16	409.6700517	0.574975	0.36485	1.575923	0.115044
ENSG00000174996.12	409.6865732	-0.07844	0.376444	-0.20837	0.834937
ENSG00000118260.15	409.7103217	-0.36712	0.347509	-1.05643	0.290772
ENSG00000100360.15	410.0593485	-0.52253	0.361037	-1.4473	0.147814
ENSG00000182606.16	410.1667518	0.140288	0.349442	0.401464	0.688079
ENSG00000119899.13	410.3438833	-0.72125	0.399326	-1.80616	0.070893
ENSG00000089234.16	410.4244194	-0.41533	0.348362	-1.19225	0.233163
ENSG00000110660.15	410.4386561	-0.42063	0.427348	-0.98429	0.324973
ENSG00000198707.17	410.4908248	-0.24761	0.36784	-0.67314	0.500856
ENSG00000169682.18	410.7207327	0.273182	0.34975	0.781078	0.434756
ENSG00000132561.14	410.8603681	-0.46581	0.402689	-1.15676	0.247371
ENSG00000185246.18	410.8685635	-0.38886	0.366901	-1.05985	0.289215
ENSG00000131979.20	411.0884742	0.223181	0.380642	0.58633	0.557654
ENSG00000120913.23	411.1027649	-0.30179	0.392636	-0.76864	0.442108
ENSG00000129657.16	411.1617833	-0.25334	0.34787	-0.72826	0.466457
ENSG00000203950.6	411.2017734	0.323416	0.364524	0.887229	0.374955
ENSG00000180616.9	411.2156349	0.361511	0.461656	0.783074	0.433583
ENSG00000169242.12	411.2926256	-0.70176	0.356669	-1.96752	0.049123
ENSG00000140905.11	411.3095491	-0.35427	0.362571	-0.9771	0.328517
ENSG00000102908.22	411.3845705	-0.41947	0.453186	-0.92561	0.354648
ENSG00000261740.6	411.5653283	-0.31988	0.362201	-0.88315	0.377154
ENSG00000151665.13	411.6933162	-0.34135	0.367898	-0.92784	0.35349
ENSG00000136875.13	411.7124949	-0.08007	0.348479	-0.22978	0.818261
ENSG00000116670.15	411.7281128	-0.22679	0.363403	-0.62408	0.532575
ENSG00000164611.13	411.7454516	-0.05513	0.368268	-0.14971	0.88099
ENSG00000101193.8	412.0998599	0.075458	0.347629	0.217064	0.828159
ENSG00000213923.13	412.2657772	0.962141	0.389183	2.472209	0.013428
ENSG00000148730.7	412.3414564	0.160547	0.391519	0.410061	0.681761
ENSG00000102977.17	412.6738829	-0.2933	0.369059	-0.79473	0.426772
ENSG00000173264.14	412.7609508	-0.05553	0.373092	-0.14885	0.881673

ENSG00000094804.12	412.890426	0.103886	0.358402	0.289858	0.771925
ENSG00000133731.10	412.9203858	-0.49269	0.369956	-1.33176	0.182939
ENSG00000006625.18	413.1732675	-0.09104	0.368269	-0.2472	0.804754
ENSG00000148337.21	413.2088575	0.646477	0.382588	1.689748	0.091076
ENSG00000173210.20	413.224203	0.323517	0.3624	0.892707	0.372014
ENSG00000106080.11	413.3732109	-0.42406	0.347028	-1.22198	0.221715
ENSG00000178802.18	413.5784264	-0.28765	0.349349	-0.82339	0.410285
ENSG00000170873.19	413.583661	-0.1762	0.363548	-0.48467	0.627912
ENSG00000113504.21	413.632	0.067204	0.347712	0.193274	0.846745
ENSG00000181090.21	413.7264908	-0.02688	0.35677	-0.07534	0.939943
ENSG00000169062.15	414.0035517	-0.06995	0.354608	-0.19725	0.843634
ENSG00000204138.13	414.0874936	-0.04827	0.36247	-0.13318	0.894053
ENSG00000147027.4	414.2525604	-0.27169	0.436295	-0.62271	0.533474
ENSG00000157992.12	414.2820782	0.115602	0.354885	0.325744	0.744618
ENSG00000105202.9	414.4538986	0.644547	0.354988	1.815688	0.069418
ENSG00000056972.20	414.6367785	0.332084	0.368654	0.900801	0.367694
ENSG00000110048.12	414.6668023	0.229398	0.348524	0.658199	0.51041
ENSG00000171204.13	414.7289747	-0.42196	0.378514	-1.11479	0.264942
ENSG00000112685.14	414.7635884	-0.36934	0.372612	-0.99121	0.321581
ENSG00000128965.13	414.8029876	-0.92559	0.38721	-2.3904	0.01683
ENSG00000163812.15	414.8531897	-0.02619	0.383062	-0.06837	0.945492
ENSG00000130147.16	414.9838572	0.076894	0.354513	0.2169	0.828287
ENSG00000100335.15	415.0088958	-0.41111	0.347552	-1.18286	0.236865
ENSG00000145780.8	415.5038447	-0.62382	0.374384	-1.66627	0.095659
ENSG00000152556.17	415.7402562	0.08674	0.352027	0.2464	0.805372
ENSG00000163349.22	415.8074207	-0.12884	0.354286	-0.36366	0.716115
ENSG00000160953.16	416.0525989	0.762917	0.465936	1.637387	0.10155
ENSG00000176623.12	416.0618234	-0.15766	0.348265	-0.45272	0.650754
ENSG00000130305.17	416.0962064	-0.26385	0.379958	-0.69441	0.487426
ENSG00000120509.10	416.196432	-0.40521	0.387845	-1.04478	0.296124
ENSG00000101407.13	416.1986014	-0.19357	0.40747	-0.47506	0.634741
ENSG00000167578.18	416.2605367	-0.49591	0.410996	-1.20661	0.227584
ENSG00000179918.19	416.300253	0.631911	0.382201	1.653345	0.098261
ENSG00000129925.11	416.327604	0.490714	0.383715	1.278851	0.20095
ENSG00000174953.14	416.3410758	0.551194	0.363592	1.51597	0.129527
ENSG00000187144.11	416.345913	-0.05342	0.459292	-0.11632	0.9074
ENSG00000164091.12	416.3974722	0.469553	0.361515	1.298849	0.193996
ENSG00000061794.13	416.4375412	-0.29323	0.36269	-0.8085	0.418805
ENSG00000100216.6	416.6784767	0.099405	0.366998	0.270861	0.786498
ENSG00000123737.13	416.8819308	0.244108	0.403742	0.604615	0.545435
ENSG00000171130.18	416.9629912	-0.42437	0.437844	-0.96922	0.332435
ENSG00000060971.19	416.9640177	-0.07973	0.351054	-0.22711	0.820342
ENSG00000164164.17	416.9674057	-0.12752	0.38038	-0.33525	0.737439
ENSG00000004776.13	416.9724714	-0.50754	0.540332	-0.93931	0.347571
ENSG00000168495.13	416.9937208	-0.07939	0.354877	-0.22372	0.822976
ENSG00000088256.9	417.0019841	0.732831	0.401729	1.824192	0.068123
ENSG00000140386.13	417.0192895	-0.756	0.374909	-2.0165	0.043748
ENSG00000151881.14	417.0333329	-0.77533	0.385842	-2.00946	0.044489
ENSG00000106609.16	417.1654506	0.567981	0.368553	1.541113	0.123289
ENSG00000004975.12	417.3470936	-0.07839	0.374149	-0.20951	0.834051
ENSG00000168488.18	417.3948952	0.743236	0.346032	2.147885	0.031723
ENSG00000111737.12	417.3951471	-0.14374	0.360092	-0.39919	0.689754

ENSG00000167965.18	417.7141115	-0.22124	0.38037	-0.58166	0.560798
ENSG00000030110.13	417.7468781	-0.72736	0.405211	-1.795	0.072653
ENSG00000173744.17	417.756671	0.192886	0.356479	0.541087	0.588447
ENSG00000177150.13	417.8300844	-0.41103	0.362769	-1.13304	0.257197
ENSG00000113615.13	417.8324238	-0.24185	0.346214	-0.69855	0.484832
ENSG00000174227.16	417.9137804	0.172135	0.349821	0.492068	0.622672
ENSG00000172340.15	418.3866579	-0.36919	0.372588	-0.99089	0.321741
ENSG00000176485.11	418.639942	-0.54561	0.441031	-1.23713	0.216037
ENSG00000114745.13	418.7357909	-0.41594	0.371084	-1.12089	0.262335
ENSG00000077238.14	418.9031606	0.179817	0.354788	0.50683	0.612274
ENSG00000139083.11	418.975583	-0.00517	0.369412	-0.014	0.988833
ENSG00000111275.13	418.9775978	-0.13181	0.354985	-0.37133	0.710395
ENSG00000119285.11	419.1159631	0.227825	0.365429	0.623446	0.532992
ENSG00000076242.16	419.1327882	-0.12787	0.35931	-0.35587	0.721936
ENSG00000163728.11	419.2324566	-0.49137	0.377774	-1.30069	0.193366
ENSG00000198964.14	419.7740607	-0.34264	0.351749	-0.9741	0.330007
ENSG00000127527.14	420.2131088	-0.20693	0.362077	-0.5715	0.567663
ENSG00000128487.16	420.2510626	0.219198	0.374592	0.585166	0.558436
ENSG00000281376.1	420.2963712	-0.4971	0.446761	-1.11268	0.265846
ENSG00000233927.5	420.4694629	1.027678	0.450962	2.278857	0.022676
ENSG00000164442.10	420.505058	0.045894	0.353888	0.129685	0.896816
ENSG00000064607.17	420.6781059	0.409053	0.347202	1.178141	0.23874
ENSG00000120333.4	420.8117155	0.461346	0.377554	1.221933	0.221733
ENSG00000144635.9	420.8325178	-0.33482	0.380669	-0.87956	0.3791
ENSG00000184436.12	421.0439449	-0.23064	0.372647	-0.61893	0.535963
ENSG00000111364.16	421.1788077	-0.0775	0.350334	-0.22121	0.824932
ENSG00000111817.19	421.1815162	0.619003	0.376055	1.646044	0.099755
ENSG00000089486.17	421.5517832	-0.31137	0.366493	-0.8496	0.395548
ENSG00000049541.11	421.609403	0.156643	0.396859	0.394706	0.69306
ENSG00000151276.23	421.694031	0.345896	0.351231	0.98481	0.324717
ENSG00000115902.11	421.8462432	-0.3245	0.349822	-0.92763	0.353602
ENSG00000001561.7	421.8779456	-0.37727	0.375203	-1.00552	0.314645
ENSG00000120071.14	421.8859637	0.009698	0.380952	0.025458	0.97969
ENSG00000174938.14	422.179654	0.10938	0.349821	0.312673	0.754529
ENSG00000110851.12	422.1920092	0.157409	0.364449	0.431909	0.665808
ENSG00000075407.18	422.2479713	-0.25861	0.367823	-0.70309	0.482002
ENSG00000161533.12	422.2782884	-0.72202	0.366309	-1.97106	0.048717
ENSG00000100058.12	422.3512156	0.126363	0.393307	0.321283	0.747996
ENSG00000139233.7	422.4798767	0.040095	0.363494	0.110306	0.912167
ENSG00000110711.10	422.6484226	-0.30915	0.355552	-0.8695	0.384574
ENSG00000115694.15	422.817372	0.418581	0.366139	1.143231	0.252943
ENSG00000104738.18	422.8776499	0.29903	0.370094	0.807984	0.4191
ENSG00000100330.16	422.9813244	-0.59084	0.354152	-1.66834	0.095249
ENSG00000103066.13	423.0025772	-0.60668	0.388473	-1.5617	0.118358
ENSG00000189077.11	423.1244969	-0.42821	0.351488	-1.21828	0.223116
ENSG00000182704.8	423.1524621	-0.54864	0.370362	-1.48136	0.13851
ENSG00000089154.11	423.2549147	0.082842	0.415029	0.199606	0.841789
ENSG00000123064.13	423.3693188	0.685708	0.451793	1.51775	0.129077
ENSG00000136874.11	423.3758985	-0.23643	0.379302	-0.62332	0.533076
ENSG00000162129.14	423.439083	-0.18232	0.351764	-0.51831	0.604239
ENSG00000138802.11	423.7387378	-0.72825	0.435558	-1.67199	0.094527
ENSG00000237765.8	423.7985874	0.18455	0.347964	0.53037	0.595855

ENSG00000138496.16	423.8931852	-0.25752	0.417843	-0.6163	0.537695
ENSG00000156510.13	423.9285532	0.302603	0.423517	0.7145	0.474918
ENSG00000111328.7	423.9535628	0.314628	0.347575	0.905211	0.365354
ENSG00000151718.16	424.2059608	-0.30313	0.385611	-0.7861	0.431812
ENSG00000187210.14	424.2945708	-0.64281	0.45935	-1.3994	0.161694
ENSG00000170638.9	424.4259914	-0.27366	0.346467	-0.78985	0.429613
ENSG00000241370.6	424.4268794	0.002826	0.358358	0.007887	0.993707
ENSG00000001084.13	424.586042	-0.08474	0.412946	-0.20522	0.837401
ENSG00000144451.19	424.773988	-0.30665	0.418439	-0.73284	0.463654
ENSG00000061918.14	424.7971091	-0.91934	0.401306	-2.29088	0.02197
ENSG00000164933.12	425.113147	-0.69537	0.379021	-1.83464	0.066559
ENSG00000213995.11	425.2588027	-0.35515	0.360135	-0.98615	0.32406
ENSG00000110218.9	425.4925278	-0.13526	0.364794	-0.37078	0.710805
ENSG00000183054.11	425.6536377	-0.62734	0.466472	-1.34487	0.178667
ENSG00000071626.17	425.8273822	0.453787	0.346062	1.311287	0.189761
ENSG00000227500.10	425.8409535	-0.30324	0.372084	-0.81499	0.41508
ENSG00000175354.20	425.867629	-0.7926	0.377575	-2.09917	0.035802
ENSG00000131778.19	426.06218	0.00208	0.36446	0.005706	0.995447
ENSG00000048471.14	426.0917576	-0.49637	0.372157	-1.33377	0.182281
ENSG00000140650.12	426.3097444	0.015647	0.345275	0.045317	0.963855
ENSG00000134247.10	426.3557882	0.006925	0.465609	0.014873	0.988134
ENSG00000196821.10	426.6039785	0.473455	0.36029	1.314095	0.188814
ENSG00000117533.15	426.6225558	-0.71701	0.401578	-1.7855	0.074181
ENSG00000135678.12	426.6744057	-0.83756	0.349209	-2.39845	0.016465
ENSG00000183011.13	426.9174038	0.169425	0.356326	0.475478	0.634446
ENSG00000137509.11	427.1369533	-0.36732	0.382977	-0.95911	0.337504
ENSG00000113048.17	427.1569588	-0.19015	0.371551	-0.51176	0.608819
ENSG00000173193.15	427.44284	-0.40358	0.369027	-1.09363	0.274116
ENSG00000196369.11	427.4808713	-0.57571	0.405313	-1.42041	0.155488
ENSG00000259583.3	427.4940914	-1.0195	0.425745	-2.39463	0.016637
ENSG00000154122.14	427.5996325	-0.59797	0.352517	-1.6963	0.089829
ENSG00000135392.17	427.6210959	-0.12389	0.360829	-0.34334	0.731345
ENSG00000107295.10	427.7067506	-1.19316	0.493698	-2.41677	0.015659
ENSG00000033867.16	427.8385624	-0.02977	0.379081	-0.07853	0.937405
ENSG00000024048.10	427.95066	-0.29914	0.372597	-0.80286	0.422057
ENSG00000115368.10	428.1486601	-0.59415	0.375891	-1.58065	0.113959
ENSG00000172602.11	428.270245	-0.54441	0.365461	-1.48965	0.136318
ENSG00000088888.18	428.4445388	-0.02549	0.432031	-0.05901	0.952944
ENSG00000087448.11	429.0163752	-0.3887	0.366805	-1.05969	0.289287
ENSG00000158711.14	429.0387259	-0.14062	0.369753	-0.38032	0.703709
ENSG00000175215.11	429.1626312	-0.06532	0.365195	-0.17886	0.85805
ENSG00000114491.14	429.4053226	-0.38297	0.373665	-1.02491	0.305408
ENSG00000123384.14	429.5662831	0.090552	0.366123	0.247328	0.804654
ENSG00000153066.12	429.7044499	0.396717	0.376352	1.054111	0.291832
ENSG00000156966.7	429.8227112	0.281461	0.485775	0.579406	0.562315
ENSG00000182628.13	429.945792	0.048334	0.360549	0.134058	0.893357
ENSG00000160299.17	430.2454012	-0.6958	0.363738	-1.91291	0.055759
ENSG00000148291.10	430.3514768	-0.3841	0.355153	-1.0815	0.279473
ENSG00000231074.9	430.3759624	-0.05493	0.347933	-0.15788	0.874553
ENSG00000049656.14	430.4132015	0.594654	0.394449	1.507559	0.131668
ENSG00000177542.11	430.4301553	-0.23384	0.477446	-0.48978	0.624292
ENSG00000112715.24	430.5842935	0.133623	0.374073	0.357212	0.720933

ENSG00000047932.14	430.6549888	-0.16843	0.34406	-0.48953	0.624468
ENSG00000163531.15	430.6775019	-0.12121	0.365723	-0.33144	0.740313
ENSG00000113621.15	430.7210504	-0.62266	0.367545	-1.69411	0.090244
ENSG00000115129.14	430.9465673	-0.42127	0.410743	-1.02563	0.305066
ENSG00000100614.18	430.9773335	0.05933	0.347894	0.170542	0.864584
ENSG00000171475.14	431.4112566	-0.03696	0.347148	-0.10648	0.915201
ENSG00000102900.13	431.573364	0.108834	0.353819	0.307598	0.758388
ENSG00000000003.15	431.5961158	-0.79415	0.391266	-2.0297	0.042387
ENSG00000100714.17	431.6235386	0.595024	0.372349	1.598028	0.110037
ENSG0000011426.11	431.6315815	0.608304	0.442153	1.375777	0.168891
ENSG00000104671.8	432.0009036	-0.44364	0.378064	-1.17345	0.240617
ENSG00000172053.18	432.0640187	0.601578	0.382015	1.57475	0.115314
ENSG00000124275.15	432.0878713	-0.6914	0.396022	-1.74586	0.080835
ENSG00000162923.16	432.0955046	-0.04724	0.34709	-0.13609	0.891747
ENSG00000196950.14	432.2618535	-0.51346	0.381606	-1.34552	0.178459
ENSG00000164574.16	432.3178681	0.241006	0.359307	0.670751	0.502379
ENSG00000102897.10	432.4268697	-0.35612	0.35919	-0.99144	0.321469
ENSG00000049540.17	432.5721092	1.328459	0.451749	2.9407	0.003275
ENSG00000185442.13	432.5994212	-0.5452	0.381492	-1.42913	0.152968
ENSG00000139687.16	432.736273	0.240975	0.37246	0.646982	0.517643
ENSG00000204387.14	432.7832109	-0.18348	0.392506	-0.46747	0.640166
ENSG00000129474.16	432.8654815	-0.1422	0.3488	-0.40767	0.683515
ENSG00000085998.14	432.8999566	0.463796	0.399865	1.159883	0.246097
ENSG00000185515.14	432.9373123	-0.08452	0.401321	-0.21061	0.833193
ENSG00000204899.6	433.146042	-0.43108	0.428665	-1.00564	0.31459
ENSG00000135185.12	433.1877651	-0.52722	0.378262	-1.3938	0.163377
ENSG00000108651.10	433.2486176	-0.24483	0.353739	-0.69212	0.488864
ENSG00000131263.13	433.4520491	-0.49908	0.400384	-1.24651	0.212576
ENSG00000119203.14	433.8032573	0.007088	0.350654	0.020214	0.983873
ENSG00000107537.14	433.8969086	-0.8207	0.384759	-2.13302	0.032923
ENSG0000012174.12	433.945848	-0.74998	0.443917	-1.68945	0.091132
ENSG00000187838.17	434.183968	-0.30319	0.360277	-0.84155	0.400038
ENSG00000110435.12	434.2610307	-0.56364	0.39572	-1.42435	0.154345
ENSG00000109911.19	434.3247877	0.002932	0.379646	0.007724	0.993837
ENSG00000111647.13	434.3759682	-0.80051	0.422728	-1.89369	0.058267
ENSG00000112584.14	434.473926	-0.18328	0.423426	-0.43284	0.665131
ENSG00000100422.14	434.6611905	0.259491	0.346295	0.749334	0.453656
ENSG00000124120.11	434.7260329	-0.58032	0.397732	-1.45908	0.144543
ENSG00000104442.10	435.1732227	-0.52636	0.357285	-1.47323	0.140689
ENSG00000126934.14	435.3835885	0.522565	0.395198	1.322285	0.186073
ENSG00000183020.14	435.4768154	0.281692	0.348598	0.80807	0.41905
ENSG00000116584.20	435.5259034	0.117888	0.399044	0.295425	0.767669
ENSG00000117682.17	435.6672995	-0.18468	0.3502	-0.52736	0.597945
ENSG00000159110.20	435.6945823	-0.48571	0.385427	-1.2602	0.207599
ENSG00000196873.16	435.8153969	0.517863	0.369329	1.402172	0.160864
ENSG00000136738.15	435.9074521	-0.20767	0.368716	-0.56322	0.573284
ENSG00000154274.15	436.0626862	0.130833	0.375406	0.34851	0.727457
ENSG00000177119.16	436.2165727	-0.26431	0.352733	-0.74932	0.453666
ENSG00000126368.6	436.4244638	-0.69208	0.422045	-1.63982	0.101042
ENSG00000095059.16	436.5148779	-0.19708	0.347586	-0.56699	0.570724
ENSG00000117616.18	436.5272407	-0.00597	0.396288	-0.01506	0.987983
ENSG00000097007.19	436.5921088	0.307053	0.353517	0.868567	0.385084

ENSG00000106009.16	436.6627632	-0.18748	0.422306	-0.44395	0.657082
ENSG00000204983.14	436.6835348	-0.51532	0.438912	-1.17408	0.240364
ENSG00000100410.8	437.0487635	-0.08048	0.399909	-0.20124	0.84051
ENSG00000243004.6	437.1179856	-0.17041	0.380326	-0.44806	0.65411
ENSG00000171155.8	437.4638765	-0.30452	0.544589	-0.55917	0.576046
ENSG00000100445.17	437.6333151	-0.62055	0.368765	-1.68277	0.092421
ENSG00000137074.20	437.7150467	-0.19549	0.366506	-0.53339	0.593762
ENSG00000189221.10	437.9055689	-0.33988	0.427316	-0.79537	0.426396
ENSG00000186522.15	437.9182658	-0.11459	0.368345	-0.31109	0.755736
ENSG00000138442.10	438.3870049	-0.34638	0.359594	-0.96326	0.335416
ENSG00000214717.12	438.4353929	0.089304	0.411701	0.216915	0.828275
ENSG00000247556.6	438.4435013	-0.46341	0.417287	-1.11053	0.26677
ENSG00000109083.14	438.4933061	-0.23456	0.371369	-0.63161	0.527642
ENSG00000055483.19	438.5031829	-0.14844	0.384315	-0.38626	0.699307
ENSG00000048140.18	438.5562476	-0.10254	0.401601	-0.25534	0.798463
ENSG00000183258.12	438.6974595	0.426711	0.358497	1.190279	0.233937
ENSG00000131375.10	438.7512545	-0.06254	0.350962	-0.17819	0.858574
ENSG00000164168.8	438.8975951	-0.88598	0.394603	-2.24524	0.024753
ENSG00000159348.13	439.1960036	-0.38796	0.353041	-1.0989	0.271811
ENSG00000159461.15	439.2310768	0.311517	0.354663	0.878347	0.379756
ENSG00000025039.15	439.3152566	-0.1761	0.360597	-0.48837	0.625291
ENSG00000166439.6	439.3963017	-0.51364	0.358099	-1.43436	0.151469
ENSG00000182287.15	439.4577654	-0.67032	0.479119	-1.39908	0.16179
ENSG00000126822.17	439.5689398	0.828802	0.379647	2.183083	0.02903
ENSG00000011028.14	439.5805201	0.380736	0.355387	1.07133	0.284021
ENSG00000148688.14	439.8544973	0.018321	0.347014	0.052795	0.957895
ENSG00000018510.16	439.8778384	-0.29796	0.444393	-0.67048	0.50255
ENSG00000100418.8	440.0302564	-0.46693	0.348895	-1.33832	0.180791
ENSG00000152939.17	440.0637668	-0.5136	0.359375	-1.42914	0.152965
ENSG00000144567.11	440.187673	0.013139	0.375645	0.034976	0.972099
ENSG00000172831.14	440.4463427	-0.29396	0.345929	-0.84977	0.395454
ENSG00000144642.22	440.591058	-0.18393	0.473246	-0.38866	0.69753
ENSG00000145920.15	440.6043095	0.370613	0.416514	0.889795	0.373576
ENSG00000101596.16	440.6670335	0.289785	0.363991	0.796133	0.425955
ENSG00000138614.15	440.6743077	-0.49031	0.353241	-1.38802	0.165131
ENSG00000179630.11	440.7260457	-0.25178	0.389074	-0.64714	0.517544
ENSG00000067208.14	440.8404322	-0.45164	0.358299	-1.2605	0.207488
ENSG00000185963.14	440.9331195	0.220676	0.353003	0.625139	0.53188
ENSG00000196396.10	440.9587649	-0.30623	0.378493	-0.80907	0.418474
ENSG00000197063.11	440.9873021	0.726295	0.383598	1.893373	0.058308
ENSG00000135070.15	441.0423232	-0.4752	0.359102	-1.32329	0.185738
ENSG00000160294.11	441.105682	0.396516	0.400505	0.990039	0.322155
ENSG00000176907.5	441.149897	-0.48525	0.36767	-1.31981	0.186899
ENSG00000064102.15	441.2055943	-0.04435	0.366516	-0.12102	0.903678
ENSG00000169592.15	441.2362427	-0.10525	0.406589	-0.25886	0.795743
ENSG00000154845.15	441.2905594	0.083716	0.348432	0.240264	0.810126
ENSG00000136867.11	441.2966078	-0.55542	0.352482	-1.57575	0.115084
ENSG00000101152.11	441.4148225	0.444	0.346437	1.281618	0.199977
ENSG00000103148.17	441.5099879	-0.31512	0.35246	-0.89406	0.371291
ENSG00000136824.19	441.6868007	-0.23438	0.390019	-0.60094	0.547881
ENSG00000109113.20	441.7136536	-0.15585	0.368716	-0.42268	0.67253
ENSG00000143369.15	441.9655589	-0.6617	0.399957	-1.65444	0.098038

ENSG00000057757.10	442.4560472	-0.16372	0.351169	-0.46623	0.641054
ENSG00000141252.20	442.5472593	0.100837	0.368799	0.273421	0.78453
ENSG00000100416.15	442.6935221	-0.0992	0.351321	-0.28237	0.777658
ENSG00000084093.19	442.6947759	0.037684	0.389777	0.096682	0.922979
ENSG00000171159.5	443.1225781	-0.29949	0.372164	-0.80473	0.420978
ENSG00000148841.17	443.1237847	0.041655	0.358753	0.11611	0.907565
ENSG00000243279.4	443.1575707	-0.44779	0.413447	-1.08306	0.27878
ENSG00000121741.16	443.1609467	-0.52796	0.357947	-1.47496	0.140224
ENSG00000108219.15	443.2880643	-0.43339	0.43829	-0.98882	0.322752
ENSG00000133606.11	443.3277041	-0.00579	0.348533	-0.01661	0.986747
ENSG00000001497.17	443.4435065	-0.24501	0.399921	-0.61265	0.540109
ENSG00000122873.12	443.5784871	-0.13105	0.346878	-0.3778	0.705582
ENSG00000108592.17	443.7138802	-0.12313	0.345646	-0.35623	0.721671
ENSG00000132780.17	443.8824341	0.691501	0.386965	1.786986	0.07394
ENSG00000162885.14	444.575514	-0.44445	0.344202	-1.29124	0.196619
ENSG00000134759.14	444.6441448	-0.09419	0.42848	-0.21983	0.826006
ENSG00000172590.18	444.719336	0.489072	0.402615	1.214739	0.224466
ENSG00000100109.17	444.7206428	0.298409	0.354879	0.840874	0.400419
ENSG00000157869.15	444.94543	-0.7504	0.388876	-1.92967	0.053648
ENSG00000153774.9	444.956499	-0.13272	0.354517	-0.37436	0.708139
ENSG00000144468.17	444.9857772	-1.04605	0.38387	-2.72501	0.00643
ENSG00000117620.15	445.0432613	-0.7108	0.391238	-1.8168	0.069248
ENSG00000124356.16	445.2230537	-0.27057	0.345316	-0.78355	0.433301
ENSG00000162642.14	445.2560505	-0.53951	0.364084	-1.48184	0.138383
ENSG00000272414.6	445.33876	-0.24344	0.357656	-0.68064	0.496097
ENSG00000159079.19	445.3926758	-0.11689	0.352716	-0.3314	0.740341
ENSG00000115756.13	445.4099409	0.002242	0.365682	0.00613	0.995109
ENSG00000119760.16	445.5847963	-0.11116	0.349564	-0.31801	0.75048
ENSG00000070614.15	445.6893969	-0.27264	0.344705	-0.79093	0.428987
ENSG00000261684.2	445.7991456	-0.42311	0.421008	-1.005	0.314899
ENSG00000160216.21	445.808238	0.239259	0.353339	0.677136	0.498319
ENSG00000132581.10	446.2743348	-0.30185	0.389862	-0.77424	0.43879
ENSG00000133216.16	446.6310884	0.094576	0.349873	0.270316	0.786917
ENSG00000168243.11	446.691042	-0.64619	0.514161	-1.25678	0.208833
ENSG00000142002.17	446.7570269	0.140719	0.356275	0.394972	0.692863
ENSG00000148396.18	446.786047	0.254719	0.345316	0.737641	0.460733
ENSG00000258232.2	446.9601088	1.030594	0.34994	2.945065	0.003229
ENSG00000153250.20	446.9901637	0.459642	0.352551	1.30376	0.192315
ENSG00000092020.10	446.9904957	-0.55421	0.361864	-1.53154	0.125637
ENSG00000162585.17	447.1568943	0.280497	0.366684	0.764957	0.444297
ENSG00000165806.21	447.2231602	-0.62125	0.382374	-1.62472	0.104221
ENSG00000107731.12	447.2634629	-0.0227	0.42166	-0.05384	0.957066
ENSG00000087338.5	447.5343429	-0.89987	0.366371	-2.45616	0.014043
ENSG00000112739.17	447.6927031	0.198691	0.368017	0.539896	0.589269
ENSG00000069966.18	447.9027369	-0.38689	0.347723	-1.11263	0.265869
ENSG00000244274.8	447.9297615	-0.00375	0.373949	-0.01003	0.991994
ENSG00000113721.14	447.9785488	0.393971	0.362771	1.086005	0.277477
ENSG00000125398.8	448.0118188	-0.82844	0.375211	-2.20793	0.027249
ENSG00000165813.20	448.0757309	-0.47885	0.420393	-1.13906	0.254678
ENSG00000224597.10	448.0986558	-0.15857	0.391861	-0.40466	0.68573
ENSG00000140403.12	448.1221431	0.480167	0.468752	1.024352	0.305669
ENSG00000166170.9	448.1927288	-0.02317	0.399028	-0.05808	0.953687

ENSG00000226937.9	448.2136955	0.174508	0.392369	0.444756	0.656496
ENSG00000104611.12	448.2336091	0.066872	0.352453	0.189734	0.849518
ENSG00000111252.11	448.3326854	0.162703	0.351762	0.462537	0.643697
ENSG00000120137.7	448.4154435	-0.40717	0.364091	-1.11831	0.263436
ENSG00000272758.6	448.5417194	-0.23066	0.344161	-0.67021	0.502721
ENSG00000206538.9	448.7669801	-0.00136	0.358523	-0.0038	0.99697
ENSG00000141429.13	448.8067775	0.389851	0.35417	1.100746	0.271007
ENSG00000142188.17	449.003586	-0.49439	0.361973	-1.36581	0.171998
ENSG00000169057.24	449.1184849	-0.01467	0.392479	-0.03737	0.970189
ENSG00000186283.14	449.1536702	-0.45619	0.364026	-1.25319	0.210138
ENSG00000108559.12	449.4290539	0.249297	0.355527	0.701206	0.483175
ENSG00000072415.9	449.6822232	-0.57997	0.364852	-1.5896	0.111924
ENSG00000146112.12	449.745123	0.540214	0.368412	1.466334	0.142557
ENSG00000214087.8	449.7927031	-0.19202	0.371271	-0.5172	0.605014
ENSG00000103740.10	449.826211	-0.37436	0.37974	-0.98584	0.324213
ENSG00000238045.9	449.9903261	0.681005	0.346453	1.965646	0.049339
ENSG00000204560.10	450.0580841	-0.00998	0.346234	-0.02882	0.977011
ENSG00000116701.15	450.1997295	-0.09422	0.399437	-0.23588	0.813526
ENSG00000115355.17	450.2601673	0.649069	0.350945	1.84949	0.064387
ENSG00000112033.14	450.3274434	-0.27809	0.394013	-0.70578	0.480327
ENSG00000103152.12	450.4319096	-0.19273	0.354581	-0.54354	0.586759
ENSG00000171316.12	450.4742312	-0.35503	0.345046	-1.02893	0.303513
ENSG00000256537.5	450.6201083	0.030459	0.422484	0.072095	0.942526
ENSG00000137193.14	450.6324031	-0.56791	0.354044	-1.60408	0.108697
ENSG00000016864.18	450.6801393	-0.62422	0.394941	-1.58055	0.113982
ENSG00000114270.17	450.7564447	1.150187	0.395022	2.911706	0.003595
ENSG00000197461.13	450.8669711	-0.05547	0.352422	-0.15739	0.874937
ENSG00000116991.11	451.1815948	-0.25223	0.366723	-0.6878	0.491579
ENSG00000165646.14	451.2994793	-0.80627	0.497132	-1.62185	0.104836
ENSG00000198840.2	451.3522973	1.127097	0.465758	2.419919	0.015524
ENSG00000125901.6	451.5171424	-0.30304	0.360347	-0.84096	0.400372
ENSG00000164104.12	451.658616	-0.06618	0.470697	-0.14059	0.888193
ENSG00000181191.11	451.6609339	-0.04965	0.426115	-0.11652	0.90724
ENSG00000198919.13	451.813905	-0.83674	0.49598	-1.68704	0.091597
ENSG00000111786.9	452.1769097	0.910774	0.359355	2.534467	0.011262
ENSG00000160446.19	452.3531867	-0.1005	0.370239	-0.27144	0.78605
ENSG00000105186.16	452.4331864	-0.72749	0.393096	-1.85066	0.064219
ENSG00000106348.18	452.7994847	-0.32591	0.392331	-0.83071	0.40614
ENSG00000196428.12	452.8415395	-0.4042	0.361793	-1.11723	0.263898
ENSG00000106246.18	452.8874584	0.005798	0.356086	0.016281	0.98701
ENSG00000128829.12	452.9987527	0.074631	0.371659	0.200804	0.840852
ENSG00000109685.18	453.0309526	0.244638	0.357552	0.684203	0.493847
ENSG00000118496.5	453.0344937	-0.34212	0.40537	-0.84397	0.398684
ENSG00000137364.5	453.2925258	-0.15679	0.367098	-0.42712	0.669294
ENSG00000197448.14	453.4162005	-0.38591	0.384015	-1.00494	0.314926
ENSG00000111144.10	453.6433895	-0.4091	0.377301	-1.08427	0.278245
ENSG00000127838.14	453.7008099	0.366109	0.444458	0.82372	0.410099
ENSG00000154265.16	453.823369	-0.62751	0.368168	-1.70442	0.088302
ENSG00000162623.16	454.0262991	0.413859	0.392702	1.053875	0.29194
ENSG00000023516.9	454.2813236	-0.14765	0.359088	-0.41119	0.680935
ENSG00000083520.15	454.2996194	-0.45645	0.363192	-1.25677	0.208837
ENSG00000168256.18	454.4775578	-0.22125	0.365867	-0.60474	0.545354

ENSG00000005339.15	454.9590025	0.623238	0.396586	1.571509	0.116065
ENSG00000117713.20	455.0124258	-0.01316	0.353462	-0.03723	0.970301
ENSG00000211450.10	455.1655576	-0.12164	0.34494	-0.35263	0.724368
ENSG00000160007.19	455.3748036	0.206678	0.343151	0.602295	0.546978
ENSG00000171135.15	455.4763822	-0.03814	0.434308	-0.08781	0.930025
ENSG00000065526.12	455.5442493	-0.04073	0.455515	-0.08941	0.928756
ENSG00000100897.18	455.557693	-0.27743	0.359871	-0.77093	0.44075
ENSG00000104412.8	455.5737842	-0.65274	0.39713	-1.64364	0.100251
ENSG00000065809.13	455.764537	0.201667	0.366688	0.549967	0.582342
ENSG00000181830.9	455.7890576	-0.46076	0.436555	-1.05545	0.291217
ENSG00000166889.14	455.8241254	-0.4917	0.3565	-1.37925	0.167816
ENSG00000164308.17	456.0590332	-0.53037	0.40549	-1.30798	0.19088
ENSG00000166025.18	456.2525211	0.013992	0.371805	0.037632	0.969981
ENSG00000175606.11	456.2729527	-0.25472	0.368901	-0.69048	0.48989
ENSG00000162852.14	456.3471451	-0.49892	0.344174	-1.44963	0.147162
ENSG00000188735.13	456.4464076	0.508474	0.439234	1.157637	0.247012
ENSG00000161217.12	456.6454408	0.170053	0.389577	0.436508	0.662469
ENSG00000132300.19	456.6965389	-0.55645	0.401023	-1.38757	0.165269
ENSG00000157349.17	456.7010226	-0.75132	0.372463	-2.01717	0.043678
ENSG00000134480.16	456.9565015	-0.15655	0.387461	-0.40405	0.686175
ENSG00000172661.19	457.1328144	-0.27169	0.355112	-0.7651	0.444214
ENSG00000102178.13	457.2467561	-0.21126	0.350695	-0.60239	0.546913
ENSG00000146535.14	457.2532135	0.273027	0.364936	0.74815	0.45437
ENSG00000166165.13	457.7865146	0.072674	0.351214	0.206922	0.836071
ENSG00000120688.9	457.8581717	-0.14499	0.347696	-0.41702	0.676667
ENSG00000147454.14	457.8581745	-0.38507	0.356122	-1.08129	0.279567
ENSG00000134243.12	457.9508856	0.086295	0.343707	0.251071	0.801759
ENSG00000104375.17	458.0668079	-0.23571	0.341821	-0.68956	0.490473
ENSG00000141934.10	458.1686171	-0.12666	0.375239	-0.33755	0.735699
ENSG00000059758.8	458.3561272	-0.87892	0.368107	-2.38768	0.016955
ENSG00000175376.9	458.7693918	-0.06438	0.348881	-0.18453	0.853595
ENSG00000123106.10	458.9307249	-0.71428	0.366843	-1.94709	0.051524
ENSG00000189114.8	458.9634464	-0.25632	0.388463	-0.65982	0.509369
ENSG00000069667.16	459.0263749	-1.06311	0.38006	-2.79722	0.005154
ENSG00000189079.17	459.1857958	-0.26263	0.353129	-0.74373	0.457037
ENSG00000026103.22	459.3004565	-0.84683	0.393865	-2.15006	0.03155
ENSG00000166401.15	459.312764	-0.30426	0.36198	-0.84054	0.400603
ENSG00000197961.11	459.4836924	-0.20008	0.346398	-0.57759	0.563542
ENSG00000133103.17	459.5739185	-0.84047	0.406324	-2.06847	0.038595
ENSG00000171720.10	459.8774687	-0.13147	0.366891	-0.35834	0.720091
ENSG00000182827.9	459.9342065	0.10796	0.346821	0.311284	0.755585
ENSG00000126226.22	460.0503251	-0.51958	0.359414	-1.44563	0.148282
ENSG00000283228.1	460.113099	-0.68626	0.539411	-1.27225	0.203286
ENSG00000100532.12	460.11823	-0.75218	0.374692	-2.00747	0.044699
ENSG00000215712.11	460.1392702	-0.38063	0.400561	-0.95024	0.341989
ENSG00000170906.16	460.3091959	0.834496	0.348524	2.394371	0.016649
ENSG00000023572.10	460.3152986	-0.44485	0.381493	-1.16608	0.24358
ENSG00000163510.14	460.3157618	-0.41166	0.347288	-1.18535	0.235877
ENSG00000025293.17	460.430449	-0.63727	0.356219	-1.78897	0.07362
ENSG00000279605.1	460.7029592	0.29288	0.413223	0.708768	0.478469
ENSG00000174738.13	460.8160272	-0.31751	0.398366	-0.79703	0.425432
ENSG00000135040.16	460.8284921	-0.58832	0.438912	-1.34041	0.180112

ENSG00000140950.16	460.955775	-0.39638	0.352673	-1.12394	0.261038
ENSG00000213024.12	461.2975238	0.411717	0.381032	1.080531	0.279906
ENSG00000126062.4	461.3308355	0.012693	0.465911	0.027243	0.978266
ENSG00000065615.14	461.3738987	-0.93418	0.449562	-2.07797	0.037712
ENSG00000166313.19	461.4156274	0.122943	0.361064	0.340502	0.733478
ENSG00000075856.12	461.4642732	0.155281	0.358075	0.433654	0.66454
ENSG00000180104.16	461.4776517	0.221317	0.392745	0.563512	0.573086
ENSG00000075336.12	461.529471	-0.36096	0.360096	-1.00239	0.316153
ENSG00000166855.9	462.1283862	-0.51599	0.349085	-1.47812	0.139375
ENSG00000196363.9	462.1914808	-0.40146	0.35013	-1.1466	0.251546
ENSG00000216490.4	462.3588532	-0.23884	0.383423	-0.62291	0.533341
ENSG00000143443.10	462.6400798	0.175376	0.393583	0.445589	0.655894
ENSG00000155093.19	462.6621305	-0.29054	0.379289	-0.766	0.443674
ENSG00000177425.11	462.7499175	0.590343	0.362556	1.628278	0.103466
ENSG00000034677.13	462.8020781	-0.32907	0.341376	-0.96396	0.335067
ENSG00000121022.14	462.9160185	-0.29201	0.393537	-0.74202	0.458075
ENSG00000060982.15	462.9388736	-0.31054	0.391688	-0.79283	0.427874
ENSG00000080546.13	463.1754489	-0.82407	0.381256	-2.16145	0.030661
ENSG00000108840.15	463.4063388	0.113907	0.345232	0.329945	0.741442
ENSG00000122783.16	463.5230541	-0.26889	0.34739	-0.77402	0.43892
ENSG00000006453.14	463.7099382	-0.57099	0.35042	-1.62944	0.10322
ENSG00000111845.5	463.7340408	-0.16639	0.351462	-0.47344	0.635903
ENSG00000131747.15	463.9018126	1.290387	0.51216	2.519501	0.011752
ENSG00000153936.17	463.9850624	-0.00298	0.405177	-0.00736	0.994126
ENSG00000145685.14	464.0221951	-0.00752	0.354696	-0.0212	0.983085
ENSG00000073417.15	464.1502682	-0.30486	0.342395	-0.89038	0.37326
ENSG00000102030.16	464.4318487	0.044521	0.342376	0.130036	0.896538
ENSG00000071073.13	464.5595511	-1.14919	0.418888	-2.74344	0.00608
ENSG00000138801.9	464.5781887	-0.62043	0.36783	-1.68672	0.091657
ENSG00000113070.8	464.6035443	-0.33724	0.368771	-0.91449	0.360462
ENSG00000115295.20	464.7937774	-0.48298	0.357149	-1.35231	0.176276
ENSG00000148346.12	464.8152957	-0.34367	0.411297	-0.83557	0.403395
ENSG00000092931.11	464.8241507	-0.28071	0.360955	-0.77769	0.43675
ENSG00000132207.18	465.0167729	0.025918	0.466172	0.055598	0.955662
ENSG00000099889.14	465.1090059	-0.22681	0.47742	-0.47508	0.634731
ENSG00000068400.13	465.1607741	-0.20294	0.366889	-0.55313	0.580177
ENSG00000164776.10	465.1624676	0.433491	0.387282	1.119315	0.263006
ENSG00000133805.15	465.7456473	-0.64919	0.379595	-1.71022	0.087224
ENSG00000101444.13	465.7692592	0.10518	0.343744	0.305983	0.759618
ENSG00000148120.16	465.7978411	-0.02673	0.366717	-0.07288	0.941902
ENSG00000106049.9	465.8781219	-0.57366	0.399025	-1.43765	0.150534
ENSG00000095261.14	465.9104556	-0.20146	0.413531	-0.48716	0.626146
ENSG00000102699.6	466.0886563	-0.37228	0.444417	-0.83769	0.402206
ENSG00000130254.12	466.2163215	0.535292	0.390517	1.370725	0.170461
ENSG00000156052.11	466.2446838	0.223595	0.345335	0.647472	0.517327
ENSG00000067992.16	466.270687	-0.92615	0.476882	-1.9421	0.052125
ENSG00000170142.12	466.2745973	-0.3742	0.380929	-0.98232	0.32594
ENSG00000139746.16	466.5644571	0.065097	0.340843	0.190989	0.848534
ENSG00000197070.14	466.5806282	-0.64246	0.3886	-1.65327	0.098275
ENSG00000074201.9	466.5949739	-0.45222	0.362529	-1.2474	0.212252
ENSG00000146830.10	466.7621619	0.267549	0.387814	0.689889	0.490264
ENSG00000140836.17	466.9190924	-0.19851	0.365866	-0.54257	0.587428

ENSG00000141458.13	467.0324068	-0.16015	0.357888	-0.44749	0.654523
ENSG00000197635.10	467.4158352	-0.57898	0.40764	-1.42032	0.155515
ENSG00000131018.24	467.5351573	0.366921	0.429311	0.854674	0.392732
ENSG00000107957.16	467.6741853	0.372411	0.367825	1.012468	0.311314
ENSG00000114784.4	467.7419635	-0.28896	0.35115	-0.8229	0.410563
ENSG00000256269.10	467.7919054	-0.14468	0.375489	-0.38531	0.700009
ENSG00000128731.18	468.0292538	0.467857	0.34474	1.357131	0.17474
ENSG00000101493.11	468.0660206	-1.03613	0.358962	-2.88647	0.003896
ENSG00000101199.13	468.4907368	0.182626	0.365355	0.49986	0.617174
ENSG00000132199.20	468.7525213	-0.22557	0.349138	-0.64607	0.518236
ENSG00000100142.16	468.7783759	-0.03629	0.350897	-0.10342	0.917632
ENSG00000115486.12	468.9240445	-0.07358	0.355453	-0.207	0.836008
ENSG00000168101.14	468.9955842	-0.24003	0.422009	-0.56879	0.569499
ENSG00000172939.9	469.099853	0.033273	0.385903	0.08622	0.931292
ENSG00000182752.10	469.527854	0.140715	0.351552	0.400266	0.68896
ENSG00000023608.5	469.5580576	-0.18057	0.365506	-0.49403	0.621284
ENSG00000132356.11	469.6827888	-0.64526	0.358947	-1.79765	0.072232
ENSG00000069020.18	470.1016763	-0.03273	0.345785	-0.09466	0.924589
ENSG00000172795.17	470.1807992	-0.4693	0.392052	-1.19704	0.23129
ENSG00000122376.11	470.18759	-0.46539	0.397683	-1.17026	0.241898
ENSG00000285608.1	470.2301657	-0.42002	0.363869	-1.15432	0.24837
ENSG00000172663.9	470.3761814	-0.30377	0.364056	-0.8344	0.404055
ENSG00000084764.12	470.5321636	-0.50481	0.47498	-1.06281	0.287867
ENSG00000142875.19	470.7194653	-0.8407	0.441564	-1.90392	0.056921
ENSG00000109586.12	470.8358434	-0.78253	0.382797	-2.04424	0.040929
ENSG00000151835.16	470.9614343	0.502293	0.355542	1.412754	0.157728
ENSG00000123610.5	471.0312082	-0.14091	0.394301	-0.35738	0.720811
ENSG00000136897.8	471.0922386	-0.23627	0.38285	-0.61713	0.537149
ENSG00000131149.19	471.1371687	-0.15768	0.359315	-0.43885	0.660773
ENSG00000113716.13	471.1998928	0.308956	0.349302	0.884497	0.376428
ENSG00000103550.14	471.4241864	0.286739	0.344219	0.833012	0.404838
ENSG00000137106.18	471.6154159	-0.12229	0.350229	-0.34916	0.726968
ENSG00000065485.20	471.8960008	-0.18978	0.38113	-0.49794	0.618526
ENSG00000083857.14	472.0331283	0.180485	0.343744	0.525058	0.599543
ENSG00000164024.12	472.1359614	-0.464	0.367117	-1.2639	0.206266
ENSG00000074603.19	472.20284	0.030485	0.347182	0.087808	0.930029
ENSG00000124333.16	472.3363235	-0.65319	0.387313	-1.68647	0.091706
ENSG00000115652.15	472.6869176	-0.29224	0.35695	-0.81872	0.412947
ENSG00000157181.16	472.7686251	-0.58724	0.390633	-1.5033	0.132762
ENSG00000171862.11	472.8864516	-0.27346	0.394363	-0.69343	0.48804
ENSG00000177888.8	473.1305409	-0.9529	0.356333	-2.67419	0.007491
ENSG00000107789.16	473.1424726	-0.63984	0.394286	-1.62278	0.104636
ENSG00000166503.9	473.2366259	0.151891	0.346106	0.438857	0.660766
ENSG00000169976.7	473.4147294	0.469369	0.343714	1.365582	0.17207
ENSG00000140859.16	473.4525811	0.512137	0.349002	1.467431	0.142259
ENSG00000149761.9	473.5729449	-0.13114	0.352507	-0.37203	0.709871
ENSG00000130165.10	473.7788828	-0.29969	0.395539	-0.75768	0.448645
ENSG00000172020.13	473.8138787	0.127701	0.477102	0.26766	0.788961
ENSG00000197555.9	473.8257664	0.086583	0.364068	0.237821	0.81202
ENSG00000063854.13	474.2496368	-0.55201	0.393983	-1.40111	0.16118
ENSG00000160410.15	474.2537421	0.384565	0.354064	1.086147	0.277414
ENSG00000205629.12	474.3917546	-0.38671	0.340576	-1.13545	0.256188

ENSG00000119650.12	474.5906822	-0.1411	0.345139	-0.40882	0.682674
ENSG00000112146.16	474.5960518	-0.5549	0.398119	-1.39381	0.163376
ENSG00000109787.13	474.6177009	-0.1355	0.35476	-0.38196	0.702491
ENSG00000008405.12	474.6826931	-0.88848	0.41979	-2.11648	0.034304
ENSG00000100372.15	474.7067177	-0.7839	0.426828	-1.83657	0.066273
ENSG00000163344.6	475.2834945	-0.00428	0.350643	-0.0122	0.990268
ENSG00000182446.14	475.2976085	0.461618	0.345076	1.33773	0.180985
ENSG00000232119.8	475.4956608	-0.02691	0.372206	-0.07231	0.942359
ENSG00000142453.12	475.6972934	0.168529	0.345425	0.487889	0.625628
ENSG00000135932.11	476.0014106	0.364074	0.344007	1.058334	0.289903
ENSG00000204469.13	476.0607389	0.583603	0.34407	1.696175	0.089853
ENSG00000077312.9	476.0894881	0.343204	0.369679	0.928384	0.353208
ENSG00000136750.13	476.2778704	-0.028	0.463571	-0.0604	0.951835
ENSG00000181817.6	476.3736565	-0.02209	0.365607	-0.06043	0.951815
ENSG00000145833.16	476.4935206	0.600439	0.391185	1.534924	0.124803
ENSG00000155849.15	476.6734889	-1.21763	0.574387	-2.11988	0.034016
ENSG00000141560.15	476.812649	-0.1336	0.447058	-0.29884	0.765059
ENSG00000182919.15	476.9572808	-0.6	0.368641	-1.62761	0.103607
ENSG00000134318.14	476.986453	0.008696	0.343037	0.02535	0.979776
ENSG00000109436.8	477.2163403	0.000553	0.341869	0.001616	0.998711
ENSG00000081870.11	477.2176594	-0.14088	0.384027	-0.36684	0.713738
ENSG00000071189.21	477.3775388	-0.96576	0.437041	-2.20978	0.027121
ENSG00000166233.15	477.4588457	0.562496	0.40984	1.372478	0.169915
ENSG00000125686.12	477.4674417	-0.65662	0.409138	-1.60488	0.10852
ENSG00000069974.16	477.7358155	0.131009	0.354136	0.369942	0.711426
ENSG00000178381.12	477.8118226	-0.08908	0.379541	-0.23469	0.814446
ENSG00000172081.14	477.9104135	-0.45632	0.395717	-1.15315	0.248847
ENSG00000166908.18	477.9647276	-0.56447	0.357779	-1.5777	0.114635
ENSG00000149798.5	478.0316738	-0.46289	0.393153	-1.17739	0.23904
ENSG00000118508.5	478.1607961	0.561942	0.35427	1.586196	0.112695
ENSG00000100242.15	478.1652214	0.751271	0.351257	2.138804	0.032452
ENSG00000012211.13	478.2201759	-0.26772	0.368341	-0.72683	0.467327
ENSG00000176101.12	478.3399944	-0.01669	0.343352	-0.0486	0.961239
ENSG00000158552.13	478.4449569	-0.22888	0.343337	-0.66662	0.505013
ENSG00000160190.14	478.7077862	-0.49193	0.358751	-1.37124	0.170299
ENSG00000164252.13	478.7982704	-0.56281	0.416979	-1.34974	0.1771
ENSG00000102786.15	478.8862967	0.010455	0.341645	0.030602	0.975587
ENSG00000112992.18	479.0446841	-0.39655	0.379712	-1.04435	0.296325
ENSG00000136937.13	479.1050188	-0.43096	0.371388	-1.1604	0.245886
ENSG00000188690.15	479.1931916	-0.41523	0.365374	-1.13645	0.255767
ENSG00000105364.14	479.3764239	-0.21232	0.342394	-0.6201	0.535189
ENSG00000172845.16	479.4790919	-0.64353	0.359546	-1.78984	0.07348
ENSG00000169641.13	479.5063942	-0.1645	0.361017	-0.45564	0.648646
ENSG00000110713.17	479.5555549	-0.02838	0.347974	-0.08154	0.935009
ENSG00000071655.18	479.6189119	0.750052	0.361648	2.073986	0.038081
ENSG00000105879.12	479.6223549	-0.94207	0.364381	-2.5854	0.009727
ENSG00000156639.12	479.7159929	0.356752	0.340996	1.046205	0.295467
ENSG00000169189.17	479.8517504	-0.21966	0.388148	-0.56592	0.571449
ENSG00000158528.12	479.9727682	-0.18713	0.350934	-0.53322	0.593881
ENSG00000085832.17	480.0955502	-0.61556	0.377197	-1.63194	0.102692
ENSG00000085563.15	480.1340286	0.022355	0.372835	0.059959	0.952188
ENSG00000166037.11	480.1695495	-0.73296	0.380732	-1.92515	0.054211

ENSG00000188522.15	480.2698028	0.391194	0.352973	1.108283	0.26774
ENSG00000105953.15	480.3148756	0.137649	0.414035	0.332457	0.739544
ENSG00000255857.6	480.3787992	-0.20953	0.350236	-0.59826	0.549667
ENSG00000152818.18	480.4810554	-0.64011	0.406565	-1.57443	0.115388
ENSG00000166619.15	480.5264923	-0.14123	0.45266	-0.31201	0.755033
ENSG00000115993.13	481.0393947	-0.53366	0.351704	-1.51736	0.129177
ENSG00000163170.12	481.2822645	0.114885	0.340725	0.337179	0.735982
ENSG00000177556.12	481.3047093	0.114982	0.365336	0.31473	0.752967
ENSG00000186834.4	481.4818847	0.075818	0.368269	0.205877	0.836887
ENSG00000125656.11	481.7137845	-0.09462	0.35003	-0.27031	0.786925
ENSG00000279689.1	481.7390044	0.47613	0.378071	1.259366	0.207898
ENSG00000144043.12	482.0744884	-0.26648	0.424224	-0.62817	0.529893
ENSG00000132849.21	482.1193584	-0.59818	0.351051	-1.70398	0.088385
ENSG00000166407.14	482.1299469	-0.92634	0.454025	-2.04029	0.041321
ENSG00000257267.3	482.2925967	-0.21879	0.406971	-0.53759	0.590857
ENSG00000267598.1	482.6715603	-0.18919	0.367507	-0.5148	0.606691
ENSG00000166272.18	482.7382211	-0.30787	0.370368	-0.83126	0.405826
ENSG00000133818.14	482.8754473	-0.23786	0.361841	-0.65735	0.510954
ENSG00000163755.9	482.932019	0.379665	0.346102	1.096976	0.272652
ENSG00000204977.10	482.9722302	-0.74215	0.362604	-2.04672	0.040685
ENSG00000103266.11	483.0079339	1.366854	0.390083	3.504006	0.000458
ENSG00000078747.16	483.6171992	-0.42983	0.369129	-1.16443	0.244249
ENSG00000089006.16	483.6209363	-0.27867	0.342246	-0.81425	0.415503
ENSG00000187608.10	483.6447731	0.065865	0.342112	0.192523	0.847332
ENSG00000163634.12	483.6840025	-0.29282	0.359282	-0.815	0.41507
ENSG00000128185.10	483.766546	-0.35652	0.353885	-1.00744	0.313722
ENSG00000167703.15	483.8777401	-0.37525	0.357847	-1.04863	0.29435
ENSG00000120860.11	484.0201595	-0.2791	0.358029	-0.77954	0.43566
ENSG00000132680.11	484.3458562	0.070667	0.353776	0.199751	0.841676
ENSG00000164823.11	484.4051223	-0.36403	0.371683	-0.97941	0.327378
ENSG00000168268.11	484.6090154	0.931739	0.458952	2.030147	0.042342
ENSG00000182836.10	484.6138349	-0.13401	0.486842	-0.27527	0.783108
ENSG00000257621.8	484.7481898	0.212488	0.366917	0.579118	0.56251
ENSG00000132406.12	484.8985039	-0.53819	0.380226	-1.41545	0.156936
ENSG00000137955.16	484.9308512	-0.0614	0.409289	-0.15002	0.880752
ENSG00000134278.15	484.9432032	-0.06587	0.446207	-0.14763	0.882634
ENSG00000143333.7	485.173303	-0.15269	0.447587	-0.34113	0.733006
ENSG00000011260.14	485.3056128	-0.30952	0.346955	-0.89211	0.372332
ENSG00000225339.4	485.3896014	0.552541	0.404544	1.365837	0.17199
ENSG00000135870.12	485.4980254	-0.48879	0.390274	-1.25243	0.210412
ENSG00000267607.1	485.6330956	0.114505	0.338843	0.337928	0.735417
ENSG00000243147.8	485.6387615	0.324932	0.340443	0.954439	0.339862
ENSG00000171848.15	485.7821043	0.4801	0.360973	1.330014	0.183514
ENSG00000115504.15	485.8529198	-0.29875	0.364446	-0.81975	0.41236
ENSG00000172037.14	485.8677611	1.06303	0.418667	2.539084	0.011114
ENSG00000148516.21	485.9258207	-0.88187	0.413876	-2.13075	0.03311
ENSG00000119537.18	485.9453697	-0.59881	0.364991	-1.64061	0.100878
ENSG00000120896.13	485.988289	-0.24449	0.454288	-0.53819	0.590445
ENSG00000006042.12	486.0028003	-0.76505	0.403869	-1.8943	0.058185
ENSG00000139668.9	486.4752699	-0.48484	0.379067	-1.27904	0.200882
ENSG00000116473.14	486.6937582	-0.2661	0.360663	-0.7378	0.460639
ENSG00000132912.13	487.0166974	-0.23229	0.345679	-0.67197	0.5016

ENSG00000137522.18	487.0631275	-0.48837	0.388788	-1.25613	0.209071
ENSG00000148672.9	487.284199	0.25201	0.342482	0.735835	0.461831
ENSG00000143669.14	487.2992378	-0.28429	0.382363	-0.74351	0.457174
ENSG00000164323.14	487.309778	-0.60413	0.357014	-1.69217	0.090613
ENSG00000177666.17	487.6441059	0.064454	0.350026	0.184139	0.853904
ENSG00000076108.11	487.690312	0.661209	0.40156	1.646602	0.09964
ENSG00000076513.17	487.7781299	-0.04027	0.342103	-0.11773	0.906284
ENSG00000227036.8	487.7984774	-0.59242	0.354504	-1.67112	0.094698
ENSG00000163946.13	488.1157367	-0.01592	0.351054	-0.04535	0.963825
ENSG00000060762.19	488.2188121	-0.46476	0.363087	-1.28001	0.200541
ENSG00000157227.13	488.5662302	0.247164	0.382727	0.645797	0.518411
ENSG00000169084.15	488.7714401	-0.21995	0.348362	-0.63138	0.527792
ENSG00000096060.15	488.7846171	-0.71285	0.360083	-1.97968	0.04774
ENSG00000134265.13	488.7941535	-0.35973	0.346392	-1.03852	0.299029
ENSG00000092847.13	488.8628662	-0.56427	0.400398	-1.40926	0.158758
ENSG00000176563.10	488.9052946	-0.19787	0.339525	-0.58278	0.560038
ENSG00000160194.18	489.0941141	-0.2105	0.348138	-0.60463	0.545422
ENSG00000138867.16	489.1947627	0.352453	0.395325	0.891552	0.372633
ENSG00000136518.17	489.3507418	-0.47264	0.42904	-1.10162	0.270625
ENSG00000166452.12	489.5016088	-0.18921	0.350109	-0.54042	0.588907
ENSG00000141985.9	489.5723364	0.414105	0.361519	1.145458	0.252019
ENSG00000103544.15	489.6504841	-0.03238	0.342241	-0.09461	0.924625
ENSG00000070761.8	489.8383318	-0.45891	0.348958	-1.31509	0.188479
ENSG00000257923.11	489.9396592	-0.31227	0.353772	-0.88269	0.377405
ENSG00000234961.1	490.0788879	-0.06766	0.354566	-0.19083	0.848658
ENSG00000131374.14	490.0936643	-0.39042	0.34705	-1.12496	0.260606
ENSG00000134717.18	490.1406184	-0.18624	0.34106	-0.54605	0.585031
ENSG00000134686.18	490.1472778	0.444299	0.358276	1.240102	0.214938
ENSG00000114993.17	490.190725	0.029716	0.422117	0.070398	0.943877
ENSG00000146085.8	490.422817	-0.51743	0.396836	-1.30389	0.192271
ENSG00000166479.10	490.4710637	-0.03829	0.370601	-0.10331	0.91772
ENSG00000116741.8	490.5931921	-0.2902	0.354794	-0.81793	0.413398
ENSG00000168002.12	490.6156891	-0.36445	0.39008	-0.93429	0.350156
ENSG00000117308.15	490.7123014	-0.10515	0.339311	-0.3099	0.756638
ENSG00000136048.14	490.9001747	-0.14694	0.350497	-0.41924	0.675043
ENSG00000100982.12	490.9207541	-0.32305	0.423842	-0.76219	0.445947
ENSG00000145779.8	491.0831834	-0.46826	0.385603	-1.21436	0.224611
ENSG00000280071.4	491.0939999	-0.35651	0.384655	-0.92683	0.354014
ENSG00000143079.15	491.2556084	-0.52133	0.377916	-1.3795	0.167742
ENSG00000107897.19	491.5422522	-0.539	0.371689	-1.45014	0.147018
ENSG00000103365.15	491.5853568	-0.34282	0.424912	-0.80681	0.419779
ENSG00000112031.16	491.6097745	-0.40873	0.345466	-1.18312	0.236763
ENSG00000121691.7	492.1477315	-0.4609	0.382031	-1.20645	0.227645
ENSG00000095319.14	492.2488194	0.089924	0.417259	0.21551	0.829369
ENSG00000131043.12	492.4180214	-0.37313	0.368087	-1.01369	0.310729
ENSG00000035928.16	492.4309591	0.022444	0.342864	0.065462	0.947806
ENSG00000152944.9	492.437877	-0.61278	0.40438	-1.51537	0.129679
ENSG00000120256.11	492.5016517	-0.13954	0.362326	-0.38512	0.700148
ENSG00000141698.17	492.5390702	-0.29014	0.34859	-0.83233	0.40522
ENSG00000125651.14	492.6461791	0.184936	0.342588	0.53982	0.589321
ENSG00000155463.14	492.7179657	-0.09255	0.35176	-0.26309	0.79248
ENSG00000009413.16	492.8189475	-0.25776	0.353349	-0.72946	0.465718

ENSG00000119844.15	493.2484549	-0.06432	0.35765	-0.17985	0.857267
ENSG00000160285.15	493.2522769	-0.01963	0.457738	-0.04288	0.965796
ENSG00000124788.19	493.3491276	-0.40506	0.343356	-1.17972	0.238112
ENSG00000136699.19	493.4534592	0.299549	0.347301	0.862506	0.388409
ENSG00000175634.15	493.4918817	-0.11372	0.375608	-0.30277	0.762065
ENSG00000119013.9	493.6630775	0.411416	0.37279	1.103613	0.269761
ENSG00000107819.13	493.8211493	-0.21659	0.432403	-0.5009	0.616439
ENSG00000106993.12	493.8920611	-0.54253	0.389924	-1.39137	0.164114
ENSG00000153015.16	493.9282149	-0.30593	0.34918	-0.87614	0.380956
ENSG00000007923.16	494.3417206	-0.0957	0.36715	-0.26066	0.794357
ENSG00000101654.18	494.638555	-0.27303	0.457032	-0.59741	0.550235
ENSG00000149483.12	494.6603673	-0.35855	0.407605	-0.87966	0.379044
ENSG00000233276.6	494.748197	-0.04686	0.380232	-0.12325	0.90191
ENSG00000167220.12	494.9775962	-0.56673	0.39827	-1.42298	0.154743
ENSG00000182004.13	494.9779079	0.421008	0.338854	1.242447	0.214072
ENSG00000073803.14	495.3033934	0.15493	0.388969	0.398308	0.690403
ENSG00000177700.6	495.3236179	0.326415	0.359712	0.907434	0.364177
ENSG00000075426.12	495.5494467	-0.10091	0.338238	-0.29835	0.765433
ENSG00000215717.7	495.5633631	-0.44426	0.364494	-1.21885	0.222903
ENSG00000135336.15	496.0971057	-0.59452	0.398517	-1.49183	0.135743
ENSG00000163131.11	496.1100721	-0.77901	0.385092	-2.02291	0.043082
ENSG00000133858.17	496.3771716	0.047373	0.345117	0.137267	0.89082
ENSG00000169826.8	496.5902337	-0.32423	0.377841	-0.85811	0.390829
ENSG00000196683.10	496.5964759	0.43093	0.339904	1.2678	0.204869
ENSG00000071243.16	496.6181964	-0.55785	0.403733	-1.38173	0.167054
ENSG00000151148.14	497.0562851	-0.37229	0.38908	-0.95684	0.338646
ENSG00000113924.12	497.2750862	-0.06085	0.377138	-0.16135	0.87182
ENSG00000152049.6	497.3045792	-0.51991	0.386395	-1.34553	0.178454
ENSG00000184371.14	497.4782868	0.12154	0.403014	0.301577	0.762975
ENSG00000141504.12	497.6773634	-0.41518	0.393011	-1.05642	0.290778
ENSG00000263753.8	497.779467	-0.07978	0.387439	-0.20592	0.836856
ENSG00000134668.12	497.912367	0.435766	0.357933	1.21745	0.223433
ENSG00000100239.16	497.9438626	0.044973	0.33874	0.132766	0.894378
ENSG00000156256.15	498.2274408	-0.15873	0.363511	-0.43666	0.662358
ENSG00000170004.17	498.4341759	1.052273	0.412437	2.551356	0.01073
ENSG00000099849.15	498.4921559	-0.68217	0.386596	-1.76456	0.077638
ENSG00000075618.18	498.823496	-0.01995	0.472594	-0.04221	0.966335
ENSG00000164258.12	498.9510731	-0.12833	0.358087	-0.35837	0.720065
ENSG00000139990.18	499.161776	-0.18901	0.362419	-0.52151	0.602008
ENSG00000167306.20	499.5234905	0.086263	0.390265	0.221036	0.825064
ENSG00000240849.11	499.5674229	-0.08659	0.357301	-0.24234	0.808518
ENSG00000183530.14	500.0119889	-0.59694	0.391996	-1.52283	0.127801
ENSG00000155256.17	500.1971688	-0.46558	0.352252	-1.32173	0.18626
ENSG00000198355.5	500.3796651	-0.10019	0.344842	-0.29055	0.771395
ENSG00000120910.15	500.3854156	-0.57821	0.415998	-1.38993	0.164551
ENSG00000132792.19	500.6769189	-0.17046	0.356352	-0.47834	0.632406
ENSG00000130312.6	500.738292	0.215149	0.375148	0.573504	0.566303
ENSG00000196730.13	500.9926975	-0.95914	0.423405	-2.2653	0.023494
ENSG00000113645.15	501.1054594	0.327263	0.447007	0.732119	0.464096
ENSG00000169180.12	501.2480687	0.559183	0.388573	1.439067	0.150131
ENSG00000158161.16	501.3277573	-0.29831	0.39025	-0.7644	0.444628
ENSG00000151500.15	501.4492207	-0.04783	0.345106	-0.13858	0.889781

ENSG00000176834.14	501.5572021	-0.47982	0.413589	-1.16014	0.245992
ENSG00000172936.16	501.7433778	-0.63133	0.464033	-1.36052	0.173667
ENSG00000123066.9	501.9436942	-0.14762	0.389798	-0.3787	0.70491
ENSG00000170310.15	501.9983909	-0.1353	0.344768	-0.39245	0.694728
ENSG00000076864.19	502.0096266	-0.74105	0.436479	-1.69779	0.089547
ENSG00000197713.15	502.0749258	-0.54636	0.416186	-1.31278	0.189258
ENSG00000101109.12	502.143333	-0.51044	0.346249	-1.47418	0.140432
ENSG00000148824.19	502.402048	0.071313	0.34179	0.208646	0.834724
ENSG00000146476.11	502.4935452	-0.86421	0.427902	-2.01966	0.043419
ENSG00000171466.10	502.6027068	-0.1454	0.3469	-0.41915	0.675108
ENSG00000080802.18	502.6979682	-0.34867	0.35846	-0.9727	0.330702
ENSG00000174136.13	502.8958334	-0.2635	0.361564	-0.72878	0.466136
ENSG00000109654.16	502.9339663	-0.33842	0.351859	-0.96181	0.336145
ENSG00000088826.18	503.0888579	-0.159	0.411609	-0.38629	0.69928
ENSG00000121774.18	503.5087383	0.950734	0.352987	2.693399	0.007073
ENSG00000111911.7	503.5621306	-0.4206	0.373259	-1.12684	0.259809
ENSG00000135441.7	503.8005667	-0.02541	0.340738	-0.07456	0.940563
ENSG00000090382.7	503.8182257	0.115455	0.371549	0.310741	0.755998
ENSG00000163882.9	503.8490777	0.032394	0.414983	0.07806	0.93778
ENSG00000187243.16	503.9992791	-0.10897	0.47196	-0.23089	0.817401
ENSG00000104613.12	504.0639018	-0.2771	0.347315	-0.79783	0.424968
ENSG00000110422.12	504.1177303	-0.74224	0.371106	-2.00009	0.045491
ENSG00000240065.8	504.1962757	-0.13119	0.36862	-0.35591	0.72191
ENSG00000162300.13	504.3099343	-0.35017	0.347282	-1.00833	0.313298
ENSG00000180530.11	504.5040337	-0.04659	0.33795	-0.13787	0.890346
ENSG00000178950.17	504.6462683	0.233367	0.354742	0.657851	0.510634
ENSG00000117475.14	504.696243	-0.52994	0.409917	-1.2928	0.196079
ENSG00000169871.13	504.8674729	0.757057	0.347645	2.177671	0.029431
ENSG00000168827.15	504.8948951	-0.1993	0.373392	-0.53376	0.593509
ENSG00000259494.2	505.0322492	-0.06137	0.346925	-0.17689	0.859591
ENSG00000136167.15	505.1590303	1.079908	0.463191	2.331451	0.01973
ENSG00000122257.20	505.1693423	0.286723	0.389662	0.735826	0.461837
ENSG00000079950.14	505.2567281	-0.69068	0.379781	-1.81863	0.068967
ENSG00000151632.17	505.2939585	0.280896	0.47428	0.592257	0.553679
ENSG00000146648.19	505.6630372	0.022374	0.372708	0.060032	0.95213
ENSG00000135744.8	505.6986782	-0.4972	0.383082	-1.2979	0.194323
ENSG00000204590.12	505.7781412	-0.27534	0.383559	-0.71785	0.472849
ENSG00000102409.10	505.8312555	0.075482	0.445216	0.16954	0.865372
ENSG00000122687.19	505.88055	-0.31578	0.360009	-0.87714	0.380412
ENSG00000125772.14	505.9267458	-1.05086	0.373789	-2.81138	0.004933
ENSG00000170006.12	506.010357	-1.17481	0.375597	-3.12785	0.001761
ENSG00000198836.10	506.0275992	-0.34912	0.349203	-0.99977	0.317423
ENSG00000082781.12	506.0527158	0.464151	0.344951	1.345555	0.178446
ENSG00000131148.9	506.1221537	-0.22974	0.377926	-0.60788	0.543264
ENSG00000182240.16	506.149196	0.35519	0.385397	0.921622	0.356726
ENSG00000081320.11	506.1859223	-0.26941	0.445542	-0.60468	0.54539
ENSG00000273559.5	506.2243116	-0.11256	0.401282	-0.28051	0.779089
ENSG00000155959.12	506.2562734	-0.54852	0.369458	-1.48466	0.137633
ENSG00000143179.16	506.3543902	0.471849	0.361116	1.306643	0.191334
ENSG00000132286.12	506.4151887	-0.51017	0.344864	-1.47935	0.139046
ENSG00000153006.16	506.4301424	0.050026	0.415647	0.120358	0.904199
ENSG00000186501.14	506.542407	-0.53874	0.358386	-1.50325	0.132775

ENSG00000169919.17	506.6934184	-0.44396	0.376816	-1.17819	0.238721
ENSG00000244509.4	506.7148284	-0.47477	0.371799	-1.27694	0.201624
ENSG00000180964.17	506.8043935	-0.03625	0.379263	-0.09558	0.92385
ENSG00000204569.10	507.1664151	-0.61217	0.380515	-1.60879	0.107662
ENSG00000159166.15	507.4097847	-0.51089	0.368534	-1.38628	0.165662
ENSG00000067829.19	507.4641915	-0.1739	0.346017	-0.50259	0.615252
ENSG00000103496.15	507.7503709	0.167021	0.34844	0.479339	0.631698
ENSG00000173889.16	508.0329031	-0.93002	0.378533	-2.45692	0.014014
ENSG00000213463.5	508.1809274	-0.49891	0.396821	-1.25726	0.20866
ENSG00000165671.21	508.6245182	-0.4474	0.340247	-1.31492	0.188538
ENSG00000138785.15	508.6330076	-0.40277	0.392757	-1.0255	0.305126
ENSG00000197912.16	508.871772	0.29852	0.339575	0.8791	0.379347
ENSG00000006118.15	509.1277459	0.997078	0.367496	2.713166	0.006664
ENSG00000123178.15	509.1890135	-0.26835	0.35115	-0.76419	0.444754
ENSG00000176658.17	509.1964173	0.195838	0.359005	0.545502	0.585409
ENSG00000140992.19	509.296274	-0.31557	0.35042	-0.90055	0.367827
ENSG00000143157.12	509.31584	-0.2276	0.343139	-0.66329	0.507148
ENSG00000068971.14	509.6662513	-0.033	0.497932	-0.06627	0.947163
ENSG00000166833.22	509.8027623	-0.07605	0.41763	-0.18211	0.855496
ENSG00000107521.19	510.0881434	-0.21602	0.354497	-0.60936	0.542284
ENSG00000164961.16	510.2927001	-0.37405	0.34265	-1.09164	0.274993
ENSG00000204291.11	510.4700734	0.013595	0.378086	0.035957	0.971317
ENSG00000167005.14	510.5331863	-0.94854	0.441997	-2.14602	0.031871
ENSG00000131626.18	510.6690815	0.572379	0.433557	1.320194	0.18677
ENSG00000176018.13	510.7431773	-0.0791	0.343266	-0.23044	0.817748
ENSG00000125347.14	510.7930071	-0.39676	0.423811	-0.93617	0.349186
ENSG00000135090.14	510.8757171	0.018744	0.357717	0.052399	0.958211
ENSG00000121766.16	511.14082	-0.20195	0.364746	-0.55367	0.579802
ENSG00000185608.8	511.6142166	0.020276	0.356272	0.05691	0.954617
ENSG00000144810.16	511.6520422	0.246293	0.437443	0.56303	0.573414
ENSG00000133641.18	511.78625	-0.37279	0.33744	-1.10476	0.269265
ENSG00000172667.11	511.894943	-0.18541	0.350811	-0.52851	0.597143
ENSG00000143740.14	511.9618236	-0.19723	0.338135	-0.58329	0.559701
ENSG00000142208.16	512.2689151	0.305797	0.34465	0.887266	0.374936
ENSG00000168393.13	512.4941932	0.060403	0.339174	0.178089	0.858653
ENSG00000100796.17	512.5125221	-0.28399	0.36953	-0.76852	0.442176
ENSG00000128923.11	512.882327	-1.09335	0.338571	-3.22932	0.001241
ENSG00000110442.12	513.2292423	-0.4316	0.359129	-1.20181	0.229437
ENSG00000223960.7	513.7388796	-0.34885	0.396829	-0.8791	0.379346
ENSG00000138363.15	513.7685343	0.262185	0.36557	0.717195	0.473254
ENSG00000259972.3	513.8949366	0.070877	0.336949	0.21035	0.833395
ENSG00000168672.4	514.2033564	-0.53708	0.362061	-1.48339	0.137972
ENSG00000155099.8	514.5201807	-0.734	0.385412	-1.90447	0.05685
ENSG00000139496.16	514.5632467	-0.19047	0.338394	-0.56286	0.573531
ENSG00000213977.8	514.599644	-0.39778	0.443555	-0.89681	0.369823
ENSG00000113441.16	514.6014958	-0.43942	0.339919	-1.29271	0.196111
ENSG00000164808.17	514.6115151	-0.4007	0.347295	-1.15379	0.248588
ENSG00000170855.4	514.6993145	0.086598	0.366929	0.236006	0.813428
ENSG00000175868.14	514.9079281	0.601028	0.380511	1.579527	0.114215
ENSG00000163001.12	515.0040772	-0.39635	0.348331	-1.13787	0.255177
ENSG00000093183.14	515.1103382	-0.71657	0.403015	-1.77802	0.075401
ENSG00000197971.16	515.1914471	-0.69462	0.431404	-1.61014	0.107368

ENSG00000105447.13	515.2437783	-0.29669	0.380895	-0.77894	0.436016
ENSG00000106624.11	515.3120883	0.287362	0.355737	0.807795	0.419209
ENSG00000104419.17	515.3182909	0.424541	0.372005	1.141224	0.253777
ENSG00000171421.13	515.3476839	0.588897	0.411004	1.432824	0.151908
ENSG00000039123.16	515.3521976	0.055504	0.35146	0.157923	0.874518
ENSG00000137497.18	516.0365174	0.354365	0.347866	1.018683	0.308354
ENSG00000101236.17	516.0501526	-0.51687	0.364381	-1.41849	0.156048
ENSG00000170584.11	516.3111021	-0.20314	0.367558	-0.55268	0.58048
ENSG00000119402.17	516.7318908	-0.78423	0.360232	-2.17701	0.02948
ENSG00000100075.10	516.912292	-0.27997	0.449356	-0.62304	0.533258
ENSG00000129460.16	516.9985844	-0.15605	0.367965	-0.4241	0.671494
ENSG00000072756.17	517.0165736	-0.52906	0.356285	-1.48494	0.137559
ENSG00000187134.14	517.2805979	-0.19585	0.405271	-0.48324	0.628922
ENSG00000112983.18	517.3775179	-0.09486	0.368559	-0.25738	0.796884
ENSG00000213722.9	517.422812	-0.23325	0.353581	-0.65969	0.509455
ENSG00000172331.12	517.6767806	-0.41984	0.392464	-1.06975	0.284734
ENSG00000100564.9	517.6908679	-0.49567	0.361686	-1.37044	0.17055
ENSG00000148308.18	518.0126708	-0.09041	0.338526	-0.26707	0.789419
ENSG00000107651.13	518.1358777	-0.50137	0.339848	-1.47527	0.140139
ENSG00000127526.15	518.1986125	0.320995	0.38319	0.837691	0.402204
ENSG00000163719.20	518.2010366	-0.47166	0.342528	-1.37699	0.168517
ENSG00000173706.14	518.3707922	-0.04976	0.347018	-0.14339	0.885984
ENSG00000183751.15	518.3972461	0.047756	0.343897	0.138866	0.889556
ENSG00000196505.11	519.1812661	-0.93514	0.403904	-2.31526	0.020599
ENSG00000122591.12	519.3896991	-0.59103	0.453463	-1.30336	0.192451
ENSG00000167528.13	519.4067321	-0.22474	0.387631	-0.57977	0.562067
ENSG00000138119.17	519.5645451	0.3957	0.367029	1.078116	0.280982
ENSG00000164548.11	519.5891055	0.169076	0.382499	0.442031	0.658467
ENSG00000111906.18	519.9790499	-0.13378	0.360027	-0.3716	0.710194
ENSG00000160818.17	519.989873	-0.25706	0.358293	-0.71746	0.473089
ENSG00000107249.23	520.1977101	-0.43392	0.340442	-1.27457	0.20246
ENSG00000165699.15	520.4467337	-0.25078	0.399797	-0.62728	0.530476
ENSG00000188549.12	520.5084577	-0.32871	0.527603	-0.62303	0.533267
ENSG00000067221.14	520.5567836	-0.471	0.359977	-1.30843	0.190727
ENSG00000262664.3	520.5591317	0.222793	0.393896	0.565613	0.571657
ENSG00000135334.9	520.5603215	-0.26306	0.340158	-0.77333	0.439325
ENSG00000239900.13	520.6088848	-0.24227	0.372644	-0.65014	0.515603
ENSG00000287001.1	520.8448733	3.184648	1.306868	2.436855	0.014816
ENSG00000167491.17	521.1542096	0.328426	0.339788	0.966563	0.333762
ENSG00000117000.9	521.2862095	-0.44183	0.341969	-1.292	0.196356
ENSG00000111875.8	521.5804561	0.226517	0.431453	0.52501	0.599576
ENSG00000164081.13	521.7245676	-0.5027	0.362762	-1.38575	0.165823
ENSG00000063245.15	521.7652308	0.581287	0.386219	1.505072	0.132306
ENSG00000139211.6	521.9131107	-0.0271	0.380091	-0.0713	0.943159
ENSG00000141627.14	521.9778385	-0.42668	0.346221	-1.23239	0.217804
ENSG00000206573.9	522.2475036	0.478221	0.498838	0.958669	0.337726
ENSG00000146433.9	522.2538805	-0.43047	0.344611	-1.24915	0.211611
ENSG00000149418.11	522.3342409	0.867042	0.339326	2.55519	0.010613
ENSG00000168876.9	522.3542747	0.112946	0.428306	0.263705	0.792007
ENSG00000176890.16	522.5266067	-0.12433	0.355429	-0.34981	0.726478
ENSG00000152904.11	522.6376337	-0.53996	0.380041	-1.42079	0.155377
ENSG00000167106.12	522.7203852	-0.35223	0.35299	-0.99784	0.318356

ENSG00000103335.22	522.7761151	0.668451	0.379535	1.761239	0.078198
ENSG00000103495.14	522.9774206	0.702918	0.351851	1.997771	0.045742
ENSG00000101019.22	523.0093995	-0.50208	0.347594	-1.44445	0.148613
ENSG00000148358.19	523.01129	-0.10346	0.339975	-0.3043	0.760898
ENSG00000143437.21	523.3009313	-0.84118	0.427846	-1.96609	0.049289
ENSG00000124532.15	523.4498304	-0.56013	0.364497	-1.53672	0.124361
ENSG00000132155.12	523.5799051	-0.09489	0.355354	-0.26704	0.789438
ENSG00000198860.13	523.6881078	-0.15486	0.338145	-0.45798	0.646966
ENSG00000123992.19	524.0012254	0.149539	0.351163	0.425838	0.670226
ENSG00000148498.16	524.0781635	0.407149	0.45863	0.88775	0.374675
ENSG00000185950.9	524.2553342	0.173772	0.406434	0.427553	0.668977
ENSG00000243749.1	524.2741111	-0.03424	0.348528	-0.09823	0.921751
ENSG00000163297.17	524.397571	-0.5934	0.39514	-1.50176	0.13316
ENSG00000166971.17	524.5428338	-0.49456	0.362346	-1.36489	0.172287
ENSG00000138381.10	524.8692841	-0.0611	0.340069	-0.17968	0.857404
ENSG00000247373.3	524.8811676	-0.46056	0.391584	-1.17615	0.239534
ENSG00000028116.18	525.1441098	-0.6625	0.344545	-1.92282	0.054503
ENSG00000165494.11	525.1845916	0.158844	0.35067	0.452973	0.650568
ENSG00000011347.10	525.522963	-0.25417	0.38235	-0.66476	0.506203
ENSG00000116690.13	525.5537361	-0.47433	0.377813	-1.25547	0.209307
ENSG00000163866.9	525.6126527	0.025858	0.42892	0.060286	0.951928
ENSG00000181904.9	525.6326559	0.244876	0.358407	0.683235	0.494459
ENSG00000064961.19	525.6859168	-0.19915	0.359339	-0.55421	0.579434
ENSG00000271980.1	525.7904454	0.260084	0.339765	0.765482	0.443984
ENSG00000147155.11	526.2048403	0.205653	0.405722	0.506881	0.612238
ENSG00000144320.14	526.2215399	-0.56766	0.338828	-1.67537	0.093861
ENSG00000116918.15	526.3896403	-0.41125	0.364546	-1.12812	0.259271
ENSG00000139112.11	526.5073734	-0.30399	0.341438	-0.89032	0.373295
ENSG00000151092.18	526.5586883	-0.63928	0.359697	-1.77727	0.075523
ENSG00000103005.12	526.6184321	-0.62975	0.473177	-1.33089	0.183226
ENSG00000120833.14	526.6925621	-0.41262	0.51553	-0.80039	0.423485
ENSG00000132661.4	526.9061366	-0.21819	0.337037	-0.64739	0.51738
ENSG00000144283.22	526.9175649	0.101878	0.355276	0.286758	0.774298
ENSG00000183576.13	527.0244725	-0.32952	0.33592	-0.98094	0.326623
ENSG00000108312.15	527.2147261	0.093221	0.376667	0.247488	0.80453
ENSG00000205765.9	527.4679053	-0.53857	0.367865	-1.46405	0.14318
ENSG00000106617.15	527.6055452	-0.6329	0.339465	-1.86439	0.062266
ENSG00000103202.13	527.6766328	-0.01327	0.383821	-0.03458	0.972415
ENSG00000137770.14	527.8782736	-0.60273	0.3682	-1.63696	0.10164
ENSG00000197579.8	527.8826683	-0.13531	0.344364	-0.39292	0.694381
ENSG00000205758.12	528.2130655	-0.40649	0.395848	-1.02688	0.304476
ENSG00000011485.15	528.6830578	-0.18878	0.385626	-0.48954	0.624463
ENSG00000072210.19	528.6917665	-0.04978	0.353589	-0.1408	0.888031
ENSG00000205726.15	529.1535164	-0.55412	0.391944	-1.41378	0.157425
ENSG00000165898.14	529.2322706	-0.19101	0.352063	-0.54255	0.58744
ENSG00000213190.4	529.2535841	0.121838	1.126768	0.108131	0.913892
ENSG00000086475.15	529.262346	-0.35432	0.336845	-1.05188	0.292852
ENSG00000125733.18	529.2764282	0.116855	0.343135	0.340553	0.73344
ENSG00000244045.13	529.4750556	-0.3861	0.340116	-1.1352	0.256291
ENSG00000149532.16	529.6003555	-0.06096	0.350386	-0.17398	0.86188
ENSG00000127952.17	530.0178825	-0.34325	0.354167	-0.96918	0.332456
ENSG00000013441.16	530.1502453	0.273014	0.398413	0.685253	0.493184

ENSG00000115946.8	530.6603768	-0.3111	0.343319	-0.90616	0.364851
ENSG00000111799.21	530.962757	0.301868	0.356613	0.846486	0.397281
ENSG00000198146.4	530.993425	-0.17797	0.419602	-0.42413	0.671471
ENSG00000156471.13	531.1215984	-0.67521	0.383374	-1.76123	0.078199
ENSG00000262814.8	531.1277524	0.323869	0.359673	0.900454	0.367879
ENSG00000143622.11	531.1353981	-0.1653	0.3424	-0.48278	0.629251
ENSG00000179526.17	531.1876256	0.007445	0.360964	0.020626	0.983544
ENSG00000075975.16	531.448544	-0.21626	0.336248	-0.64315	0.520129
ENSG00000177054.14	531.5443062	-0.7825	0.41711	-1.876	0.060655
ENSG00000080189.15	531.6457436	-0.59827	0.383585	-1.55967	0.118838
ENSG00000168283.14	531.6898891	-0.56225	0.357623	-1.57217	0.11591
ENSG00000128626.11	531.8191421	0.107162	0.348847	0.307188	0.7587
ENSG00000120314.18	531.847776	-0.24615	0.376203	-0.6543	0.512916
ENSG00000164346.10	532.2152067	0.528827	0.341759	1.54737	0.121774
ENSG00000254452.1	532.2857286	-0.00137	0.414854	-0.00331	0.997362
ENSG00000174197.16	532.4375131	-0.77407	0.354617	-2.18282	0.029049
ENSG00000100711.14	532.5330807	-0.7176	0.380178	-1.88753	0.05909
ENSG00000127947.16	532.5653551	-0.03361	0.351396	-0.09565	0.923795
ENSG00000128654.14	532.6666974	-0.6364	0.377327	-1.6866	0.091681
ENSG00000104872.11	532.8048483	-0.27567	0.406549	-0.67807	0.497726
ENSG00000119004.16	532.8414369	-1.01685	0.385692	-2.63643	0.008378
ENSG00000155438.12	532.9821854	-0.23692	0.370264	-0.63988	0.522251
ENSG00000162928.9	533.1242088	-0.21421	0.368031	-0.58205	0.560532
ENSG00000159479.17	533.2446422	-0.01875	0.342496	-0.05475	0.956338
ENSG00000055163.20	533.3447142	-0.07143	0.339233	-0.21056	0.83323
ENSG00000165102.15	533.3453977	-0.7604	0.34942	-2.17617	0.029543
ENSG00000104413.18	533.4196509	-0.19272	0.339308	-0.56797	0.570058
ENSG00000151287.17	533.7680604	-0.74517	0.399031	-1.86745	0.061839
ENSG00000115649.16	534.5292862	-0.25367	0.386037	-0.65711	0.511112
ENSG00000107290.14	534.575313	0.16155	0.345053	0.468189	0.63965
ENSG00000254986.7	534.9011191	-0.17318	0.383312	-0.4518	0.65141
ENSG00000198911.12	534.9746603	0.154772	0.368889	0.419562	0.674806
ENSG00000180185.11	534.9967014	0.436806	0.367374	1.188994	0.234442
ENSG00000133935.7	535.1475798	-0.56275	0.37124	-1.51587	0.129552
ENSG00000085415.16	535.2367123	-0.49637	0.360148	-1.37824	0.168128
ENSG00000134824.14	535.2965995	-0.09536	0.500826	-0.1904	0.848994
ENSG00000134285.11	535.3029698	-0.08068	0.349644	-0.23074	0.817519
ENSG00000009335.18	535.4639305	0.103837	0.33897	0.306331	0.759353
ENSG00000171858.18	535.682289	0.916616	0.442181	2.072942	0.038178
ENSG00000184319.16	535.9295236	0.05658	0.365079	0.15498	0.876837
ENSG00000253352.9	536.0267039	0.248259	0.353029	0.703225	0.481916
ENSG00000111725.11	536.5085107	-0.46375	0.33767	-1.37339	0.16963
ENSG00000143248.13	536.6103769	-0.79738	0.409253	-1.94838	0.051369
ENSG00000166741.8	536.8821389	-0.04869	0.35837	-0.13586	0.891932
ENSG00000179454.14	536.9366772	-1.02442	0.361827	-2.83125	0.004637
ENSG00000039523.20	536.9510219	-0.22596	0.349143	-0.6472	0.517505
ENSG00000204310.13	537.2345275	-0.04134	0.372792	-0.1109	0.911699
ENSG00000130204.13	537.2360629	0.508143	0.48626	1.045003	0.296021
ENSG00000114054.14	537.2811414	-0.20579	0.39224	-0.52465	0.599827
ENSG00000035115.22	537.4227925	-0.8504	0.398921	-2.13175	0.033027
ENSG00000054654.19	537.4249902	-0.85527	0.34857	-2.45364	0.014142
ENSG00000106771.13	537.5039607	-0.15419	0.35144	-0.43875	0.660843

ENSG00000154781.16	537.5917521	-0.24218	0.366058	-0.66158	0.508241
ENSG00000135698.10	537.6882002	-0.23991	0.450371	-0.53268	0.594252
ENSG00000006576.16	537.9918955	-0.32479	0.367272	-0.88432	0.376521
ENSG00000118454.13	538.1030581	-0.66219	0.357975	-1.84983	0.064338
ENSG00000153714.6	538.3923393	-0.2611	0.366328	-0.71274	0.476006
ENSG00000196935.9	538.7026396	0.008549	0.351642	0.024311	0.980605
ENSG00000100441.10	538.7254982	-0.27185	0.346505	-0.78455	0.43272
ENSG00000186432.9	538.7422834	0.258856	0.337693	0.766543	0.443353
ENSG00000100227.18	538.764833	-0.31329	0.349287	-0.89694	0.369749
ENSG00000183735.10	538.915266	-0.41129	0.335551	-1.22572	0.220303
ENSG00000147419.19	539.0897096	-0.20369	0.372561	-0.54674	0.584557
ENSG00000134996.12	539.3269763	-0.39642	0.392129	-1.01094	0.312047
ENSG00000228300.14	539.4279555	0.191169	0.35364	0.540576	0.5888
ENSG00000270800.3	539.4849842	-0.63776	0.498224	-1.28006	0.200525
ENSG00000167747.15	539.8236396	-0.45318	0.374379	-1.21048	0.226095
ENSG00000085449.15	540.1842046	-0.78557	0.388849	-2.02025	0.043358
ENSG00000114023.15	540.3336075	-0.34812	0.359367	-0.96869	0.332699
ENSG00000148296.7	541.0425431	-0.06408	0.359413	-0.17828	0.858504
ENSG00000083223.18	541.185412	-0.0308	0.337674	-0.09123	0.927313
ENSG00000141446.11	541.2002013	-0.86531	0.378239	-2.28773	0.022153
ENSG00000019505.8	541.3029009	-0.8458	0.453551	-1.86483	0.062205
ENSG00000115363.14	541.3540027	-0.66641	0.386676	-1.72344	0.08481
ENSG00000087111.21	541.6164303	-0.44283	0.39226	-1.12891	0.258934
ENSG00000102390.11	541.8084489	-0.31004	0.353176	-0.87785	0.380026
ENSG00000198087.7	541.8604794	-0.3763	0.343259	-1.09626	0.272967
ENSG00000129197.14	541.9269958	-0.08298	0.342444	-0.24233	0.808527
ENSG00000125841.13	542.276283	0.036575	0.438604	0.08339	0.933542
ENSG00000139318.8	542.2908615	-0.74657	0.448774	-1.66359	0.096195
ENSG00000116062.17	542.3641722	0.152993	0.337628	0.453142	0.650446
ENSG00000182534.13	542.5122142	0.621039	0.334847	1.854691	0.06364
ENSG00000166228.9	542.7258584	-0.06957	0.337592	-0.20607	0.836738
ENSG00000243137.8	542.7523576	-0.7296	0.471302	-1.54805	0.121609
ENSG00000042493.16	543.1177882	-0.42955	0.36241	-1.18525	0.235918
ENSG00000197345.13	543.1214573	0.058766	0.341215	0.172226	0.86326
ENSG00000100461.18	543.1566114	-0.20362	0.33937	-0.6	0.548505
ENSG00000101782.15	543.1930259	-0.24853	0.334946	-0.742	0.458086
ENSG00000198168.9	543.3044935	-0.19862	0.362466	-0.54796	0.58372
ENSG00000177239.15	543.4200822	-0.16205	0.353045	-0.45901	0.646225
ENSG00000068878.15	543.4468366	0.368283	0.34757	1.059593	0.28933
ENSG00000164327.13	543.4829088	-0.31537	0.346362	-0.91053	0.362543
ENSG00000159873.10	543.7556844	0.014226	0.410246	0.034677	0.972337
ENSG00000156650.14	543.8546303	-0.1285	0.345205	-0.37225	0.709705
ENSG00000112208.11	543.858691	-0.17165	0.399364	-0.4298	0.667341
ENSG00000133835.17	544.1675793	0.070374	0.336305	0.209256	0.834248
ENSG00000117602.12	544.1942408	-0.56223	0.354958	-1.58393	0.11321
ENSG00000198604.11	544.2373459	0.365268	0.369212	0.989316	0.322509
ENSG00000099290.17	544.2383516	-0.22961	0.353598	-0.64937	0.516102
ENSG00000171453.20	544.2542471	-0.31604	0.353306	-0.89451	0.371047
ENSG00000091844.8	544.3158337	-0.67419	0.391401	-1.7225	0.084979
ENSG00000149196.16	544.9966928	-0.09464	0.338824	-0.27932	0.779999
ENSG00000163655.16	545.2532943	-0.63329	0.354358	-1.78714	0.073915
ENSG00000177628.16	546.0221608	-0.34241	0.346145	-0.98921	0.322561

ENSG00000168303.9	546.3032051	0.353988	0.406823	0.870128	0.384231
ENSG00000179912.20	546.357305	-0.26921	0.361885	-0.7439	0.456936
ENSG00000005812.11	546.7898454	-0.25122	0.343816	-0.73067	0.464979
ENSG00000140750.17	546.9098604	-0.10289	0.375517	-0.27401	0.78408
ENSG00000096433.11	546.976706	0.126435	0.340248	0.371598	0.710192
ENSG00000168172.9	547.0070636	0.250787	0.338789	0.740247	0.45915
ENSG00000197601.13	547.4196858	-0.74599	0.37116	-2.00989	0.044443
ENSG00000149131.16	547.5820885	-0.0796	0.355325	-0.22403	0.822735
ENSG00000158850.15	547.8087197	-0.39158	0.348584	-1.12334	0.261292
ENSG00000168958.20	547.822163	-0.49916	0.364179	-1.37065	0.170484
ENSG00000068438.15	547.8248205	-0.19646	0.338618	-0.58017	0.561797
ENSG00000136100.14	547.8696963	-0.27149	0.343191	-0.79108	0.4289
ENSG00000124702.18	548.0791836	-0.22356	0.370346	-0.60365	0.546074
ENSG00000104341.17	548.1763259	0.328159	0.356026	0.921728	0.35667
ENSG00000131437.15	548.5366432	-0.89377	0.435715	-2.05126	0.040241
ENSG00000177951.17	548.7294591	-0.14421	0.370367	-0.38937	0.697004
ENSG00000099810.21	549.0593297	-0.51147	0.398541	-1.28337	0.199364
ENSG00000179195.16	550.1705697	-0.13223	0.360676	-0.36663	0.713899
ENSG00000176142.13	550.4616381	-1.29114	0.386866	-3.33743	0.000846
ENSG00000185009.12	550.4855414	-0.55076	0.431552	-1.27624	0.20187
ENSG00000163618.18	550.6315373	-0.3218	0.388749	-0.8278	0.407786
ENSG00000130176.8	550.6553759	0.070513	0.34186	0.206261	0.836587
ENSG00000121749.15	550.7700463	-0.5649	0.398806	-1.41647	0.156638
ENSG00000170145.5	550.7955083	-0.7657	0.375517	-2.03907	0.041443
ENSG00000063322.15	550.9010417	-0.11081	0.353385	-0.31356	0.753856
ENSG00000248098.12	550.971428	-0.25261	0.337065	-0.74943	0.453595
ENSG00000114019.14	551.066505	0.118745	0.388433	0.305703	0.759831
ENSG00000055917.15	551.1608004	-0.54889	0.349267	-1.57155	0.116054
ENSG00000138629.16	551.2998681	-0.27054	0.357621	-0.75651	0.449342
ENSG00000158796.17	551.3549722	-0.40458	0.398564	-1.01509	0.310062
ENSG00000134058.12	551.4158167	-0.09951	0.343065	-0.29007	0.771759
ENSG00000188186.10	551.4735494	0.156724	0.375403	0.417482	0.676326
ENSG00000136021.19	551.5301168	-0.73987	0.339304	-2.18056	0.029216
ENSG00000049245.13	551.7641272	-0.37205	0.357952	-1.03939	0.298622
ENSG00000203875.13	551.9348769	0.167185	0.513469	0.325599	0.744728
ENSG00000103381.12	551.9803167	-0.10835	0.382401	-0.28333	0.776921
ENSG00000108091.11	552.2836141	-0.16454	0.333852	-0.49285	0.622119
ENSG00000105135.16	552.2883054	-0.17529	0.362875	-0.48306	0.629053
ENSG00000120451.10	552.4782969	-0.25845	0.367246	-0.70375	0.481589
ENSG00000119718.11	552.7555987	-0.24743	0.335705	-0.73704	0.461101
ENSG00000156475.18	553.3473385	-0.73631	0.428522	-1.71826	0.08575
ENSG00000171067.11	553.4174287	0.175625	0.338013	0.519581	0.603356
ENSG00000145740.19	553.6289417	-0.27601	0.400734	-0.68875	0.490979
ENSG00000101363.12	553.6862595	-0.07589	0.354597	-0.21402	0.830535
ENSG00000114316.13	553.760808	-0.049	0.359578	-0.13628	0.891604
ENSG00000002549.12	553.8004638	-0.27521	0.345291	-0.79703	0.425434
ENSG00000257218.6	553.8826551	0.340786	0.357471	0.953324	0.340426
ENSG00000168925.12	554.0287889	0.137259	0.356987	0.384493	0.700613
ENSG00000175324.10	554.1427985	-0.22609	0.33791	-0.66908	0.503444
ENSG00000059728.11	554.247804	-0.33208	0.355115	-0.93515	0.349713
ENSG00000157500.12	554.7604576	-0.08691	0.37989	-0.22876	0.819052
ENSG00000168297.16	555.3262357	-0.76427	0.365741	-2.08964	0.03665

ENSG00000107874.11	556.0342802	-0.09483	0.336749	-0.2816	0.778251
ENSG00000148153.14	556.5914417	-0.15236	0.334225	-0.45587	0.648484
ENSG00000090263.16	556.7129123	0.11931	0.34708	0.343753	0.731032
ENSG00000084112.15	557.4541977	0.045759	0.337875	0.135431	0.892271
ENSG00000214736.7	557.6510868	0.24852	0.339039	0.733014	0.46355
ENSG00000112640.16	557.6613946	-0.20773	0.400971	-0.51806	0.604414
ENSG00000116962.15	557.6691631	0.120823	0.372021	0.324776	0.745351
ENSG00000008394.13	557.8220279	-0.17257	0.381206	-0.4527	0.650764
ENSG00000198218.11	558.028708	-0.60045	0.406943	-1.47552	0.140074
ENSG00000134755.17	558.3434962	-0.59997	0.458647	-1.30813	0.190828
ENSG00000175221.15	558.3887005	0.072761	0.344074	0.211469	0.832522
ENSG00000166747.13	558.7077046	-0.35606	0.342595	-1.0393	0.298664
ENSG00000181222.18	558.7426826	-0.00022	0.377659	-0.00059	0.999527
ENSG00000173171.14	558.8398541	-0.20167	0.3394	-0.59421	0.552373
ENSG00000160087.21	559.0325759	-0.32557	0.338253	-0.9625	0.335798
ENSG00000137996.13	559.3944252	-0.43194	0.356607	-1.21125	0.225798
ENSG00000182093.16	559.542215	-0.74347	0.392381	-1.89477	0.058123
ENSG00000062725.10	559.8258072	-1.13157	0.467846	-2.41869	0.015577
ENSG00000169155.10	560.0499971	-1.05904	0.376738	-2.81107	0.004938
ENSG00000197594.13	560.3244655	0.13493	0.401666	0.335926	0.736927
ENSG00000167118.11	560.6682536	-0.02496	0.445114	-0.05608	0.955274
ENSG00000110719.10	560.6884848	0.3735	0.358933	1.040586	0.298068
ENSG00000124786.11	561.1078272	-0.63747	0.420905	-1.51452	0.129894
ENSG00000171530.15	561.4350019	0.19831	0.338033	0.58666	0.557432
ENSG00000100811.14	561.4851564	0.473447	0.393304	1.203769	0.228679
ENSG00000162520.15	561.5057115	0.068044	0.37898	0.179546	0.857509
ENSG00000104368.18	561.9093382	-0.85312	0.35796	-2.38327	0.017159
ENSG00000028839.10	561.9223576	-0.68462	0.345413	-1.98204	0.047474
ENSG00000162614.19	562.1775634	0.724334	0.348669	2.077426	0.037762
ENSG00000196914.9	562.5757555	0.104104	0.338867	0.307213	0.758681
ENSG00000115947.14	562.6403182	-0.98386	0.430804	-2.28378	0.022384
ENSG00000258757.1	563.3724216	-1.50309	0.554872	-2.70889	0.006751
ENSG00000162702.8	564.0179558	0.037359	0.383432	0.097434	0.922382
ENSG00000166435.15	564.4352612	-0.33045	0.349735	-0.94484	0.344738
ENSG00000109536.12	564.5221137	-0.02741	0.380399	-0.07207	0.942549
ENSG00000223496.3	564.991869	-0.60282	0.412329	-1.46199	0.143744
ENSG00000114395.11	565.1370201	-0.13039	0.395317	-0.32984	0.741524
ENSG00000269821.1	565.4144469	-0.08627	0.344485	-0.25044	0.802248
ENSG00000170340.11	565.6871353	-0.64794	0.471182	-1.37513	0.16909
ENSG00000130311.11	565.8125475	-0.22381	0.368046	-0.60811	0.543114
ENSG00000141425.18	565.8437533	-0.34445	0.340976	-1.01019	0.312404
ENSG00000110768.12	565.8805901	-0.62177	0.368152	-1.68889	0.09124
ENSG00000105290.13	566.0156701	0.471658	0.341346	1.381759	0.167046
ENSG00000119977.21	566.0937276	-0.53528	0.426101	-1.25623	0.209031
ENSG00000188938.17	566.1877838	-0.16911	0.377334	-0.44818	0.654021
ENSG00000105825.14	566.4092627	0.196617	0.360124	0.545968	0.585088
ENSG00000134852.15	566.5449924	-0.68563	0.347831	-1.97117	0.048704
ENSG00000204217.15	566.8528738	-0.42846	0.392052	-1.09286	0.274457
ENSG00000267458.1	566.9428846	0.669522	0.359402	1.86288	0.062479
ENSG00000120053.12	567.022806	-0.34472	0.365775	-0.94243	0.345974
ENSG00000117054.14	567.0487735	-0.72403	0.387603	-1.86796	0.061768
ENSG00000100359.21	567.0531753	0.116789	0.349894	0.333784	0.738543

ENSG00000153317.15	567.0740879	-0.25893	0.350863	-0.73797	0.460533
ENSG00000175416.15	567.4990592	0.849684	0.365521	2.324584	0.020094
ENSG00000197498.13	567.5562193	-0.38746	0.339121	-1.14253	0.253235
ENSG00000180773.15	567.7596104	-0.80252	0.497512	-1.61307	0.106728
ENSG00000121350.16	567.7602105	-0.20658	0.334287	-0.61796	0.5366
ENSG00000080371.6	568.0730849	0.811531	0.410549	1.976699	0.048076
ENSG00000157514.16	568.1795164	-0.37833	0.340667	-1.11057	0.266754
ENSG00000162607.13	568.1853665	-0.53465	0.386184	-1.38444	0.166225
ENSG00000242485.6	568.2564018	-0.08616	0.339043	-0.25413	0.799397
ENSG00000198625.13	568.2564713	-0.17949	0.345685	-0.51924	0.603592
ENSG00000104331.9	568.6412691	0.140392	0.341211	0.411452	0.680741
ENSG00000169241.19	568.7494223	-0.29412	0.370701	-0.79342	0.427533
ENSG00000116266.11	568.7720815	-0.61126	0.385857	-1.58418	0.113154
ENSG00000158941.16	569.0310308	0.237034	0.385518	0.614847	0.538656
ENSG00000077684.16	569.0753997	-0.24573	0.332682	-0.73863	0.460131
ENSG00000145687.16	569.1271684	-0.3736	0.365488	-1.0222	0.306688
ENSG00000025770.19	569.1730661	0.35566	0.346116	1.027575	0.30415
ENSG00000108094.16	569.2616448	-0.61499	0.415038	-1.48177	0.1384
ENSG00000182831.12	569.4841333	0.158475	0.332854	0.47611	0.633996
ENSG00000072506.13	569.6006737	0.059314	0.336559	0.176237	0.860107
ENSG00000134744.14	569.8005479	-0.32084	0.349693	-0.91748	0.358892
ENSG00000148925.11	569.9025337	-0.50918	0.368505	-1.38175	0.167047
ENSG00000095777.17	569.9110908	-1.21074	0.506754	-2.38921	0.016885
ENSG00000156136.10	570.2641197	-1.03883	0.418884	-2.47999	0.013139
ENSG00000136877.15	570.5878537	-0.04818	0.382501	-0.12595	0.899769
ENSG00000150316.12	570.7015463	-0.25753	0.354548	-0.72637	0.467613
ENSG00000082212.13	570.7404885	-0.56342	0.360607	-1.56242	0.118189
ENSG00000168924.15	570.7518363	0.120344	0.416593	0.288876	0.772676
ENSG00000163939.18	570.7874893	-0.17499	0.342058	-0.51159	0.608938
ENSG00000196136.18	570.7879111	-0.2362	0.342877	-0.68887	0.490902
ENSG00000106299.8	570.8123129	-0.30306	0.363001	-0.83487	0.403789
ENSG00000163428.4	571.4067133	-0.28359	0.343478	-0.82565	0.409001
ENSG00000078098.14	571.5120026	-0.12559	0.362495	-0.34646	0.729
ENSG00000104231.11	571.5510008	-0.68381	0.339276	-2.0155	0.043852
ENSG00000134152.11	571.8637427	-0.84561	0.396881	-2.13064	0.033119
ENSG00000197183.14	572.1092443	-0.53804	0.433475	-1.24122	0.214525
ENSG00000129250.12	572.1318465	0.63016	0.365193	1.725552	0.084428
ENSG00000070785.17	572.6277321	-0.14383	0.393323	-0.36568	0.714605
ENSG00000156011.17	572.7070883	-0.02708	0.354494	-0.0764	0.939098
ENSG00000086189.10	572.7608086	-0.55007	0.426893	-1.28855	0.197554
ENSG00000162825.16	572.8488709	0.594406	0.439244	1.35325	0.175976
ENSG00000087263.17	572.8759337	-0.05627	0.350597	-0.16049	0.872496
ENSG00000105499.14	573.3774303	-0.58317	0.392363	-1.48631	0.137197
ENSG00000004866.21	573.6404275	-0.61815	0.383299	-1.6127	0.106809
ENSG00000169019.11	573.864888	-0.7047	0.41642	-1.69228	0.090592
ENSG00000177106.16	573.9308146	0.193285	0.367352	0.526157	0.598779
ENSG00000146109.5	574.0487995	-0.32178	0.351569	-0.91528	0.360044
ENSG00000173327.8	574.1186375	0.016547	0.365049	0.045328	0.963846
ENSG00000125863.20	574.1349416	0.031074	0.346836	0.089592	0.928611
ENSG00000116729.14	574.5046513	0.069989	0.359964	0.194432	0.845838
ENSG00000165029.16	574.6995845	-0.3781	0.343866	-1.09955	0.271528
ENSG00000184787.19	574.9510578	-0.44453	0.349108	-1.27332	0.202903

ENSG00000064419.13	575.0814184	-0.39985	0.341393	-1.17122	0.241509
ENSG00000102893.16	575.1741109	-0.2852	0.357606	-0.79751	0.425154
ENSG00000134339.9	575.2649815	-1.07015	0.396185	-2.70113	0.00691
ENSG00000166326.7	575.3068051	0.310933	0.432872	0.718303	0.472571
ENSG00000213741.11	575.3652251	1.086714	0.44513	2.441341	0.014633
ENSG00000038382.20	575.3790347	0.042744	0.335195	0.127521	0.898528
ENSG00000143322.21	575.3957995	0.27607	0.414795	0.665556	0.505695
ENSG00000135976.20	575.5453553	-0.40308	0.366889	-1.09865	0.271921
ENSG00000119414.12	575.6059874	-0.65164	0.380063	-1.71456	0.086426
ENSG00000139410.15	575.6270511	-0.13523	0.380285	-0.3556	0.722141
ENSG00000077097.15	575.7428876	-0.04022	0.332993	-0.12078	0.903863
ENSG00000171603.18	575.9222758	0.331909	0.33873	0.979863	0.327154
ENSG00000120690.16	576.067569	-0.6345	0.369268	-1.71825	0.08575
ENSG00000125675.18	576.2149657	-0.67755	0.465319	-1.45609	0.145367
ENSG00000118263.15	576.5986406	-0.67402	0.336578	-2.00256	0.045224
ENSG00000140682.19	576.6129873	0.00768	0.383329	0.020036	0.984015
ENSG00000198420.10	576.6532888	0.084227	0.382952	0.219942	0.825917
ENSG00000138942.16	576.7879842	-0.37075	0.332062	-1.11649	0.264211
ENSG00000151461.20	576.9509366	0.268007	0.351466	0.762539	0.445738
ENSG00000141562.18	577.4707415	-0.33056	0.336692	-0.98178	0.326208
ENSG00000176105.14	577.8596991	-0.56742	0.371675	-1.52666	0.126846
ENSG00000102100.16	577.9649646	-0.53527	0.38723	-1.38229	0.166882
ENSG00000023041.11	578.0870999	-0.41443	0.346558	-1.19585	0.231755
ENSG00000134198.10	578.1432805	-0.62996	0.439505	-1.43334	0.151761
ENSG00000131171.13	578.1969968	-0.49069	0.397285	-1.23512	0.216786
ENSG00000163166.15	578.3207478	-0.45531	0.371949	-1.22411	0.220909
ENSG00000168040.5	578.5341806	-0.46797	0.374157	-1.25074	0.211028
ENSG00000143878.10	579.1646677	0.188825	0.353867	0.533604	0.593616
ENSG00000115966.17	579.4736192	-0.55929	0.350156	-1.59726	0.110207
ENSG00000196628.20	579.552832	0.498983	0.361706	1.379527	0.167732
ENSG00000182197.12	579.6757064	0.267974	0.343325	0.780527	0.435081
ENSG00000170854.18	579.6771363	-0.6454	0.369321	-1.74753	0.080546
ENSG00000204822.7	579.6812164	0.185002	0.332475	0.556438	0.577911
ENSG00000140632.17	579.7509878	0.073386	0.346217	0.211965	0.832135
ENSG00000104660.19	579.9628542	-0.25198	0.372565	-0.67634	0.498824
ENSG00000125971.16	580.0339525	-0.10526	0.362231	-0.29059	0.771366
ENSG00000134313.16	580.5188918	-0.08828	0.336857	-0.26206	0.793273
ENSG00000115073.8	580.7915051	-0.34351	0.382565	-0.89791	0.369232
ENSG00000167515.10	581.6641115	-0.27013	0.338996	-0.79686	0.42553
ENSG00000105258.9	581.8689382	0.069901	0.363002	0.192562	0.847302
ENSG00000086300.16	582.0510881	-0.67458	0.333841	-2.02065	0.043316
ENSG00000119318.13	582.0910917	0.386531	0.332156	1.163702	0.244545
ENSG00000166925.9	582.1420271	-0.18184	0.388172	-0.46844	0.639467
ENSG00000158019.21	582.6021194	-0.53274	0.359735	-1.48092	0.138629
ENSG00000132640.15	583.042982	-0.65704	0.4172	-1.57487	0.115286
ENSG00000137142.5	583.5435878	0.001218	1.051198	0.001158	0.999076
ENSG00000185619.18	583.604323	-0.3949	0.361389	-1.09273	0.27451
ENSG00000166670.10	584.1154979	-0.32163	0.368735	-0.87226	0.383065
ENSG00000164172.19	584.3478622	-0.30424	0.344381	-0.88344	0.377001
ENSG00000130723.20	584.5044033	0.11183	0.350843	0.318747	0.749918
ENSG00000168575.10	585.0576918	-0.27854	0.343078	-0.81189	0.416854
ENSG00000111596.13	585.0698967	-0.3055	0.373108	-0.81881	0.412894

ENSG00000144560.15	585.1048057	-0.47903	0.337576	-1.41902	0.155893
ENSG00000117133.11	585.8352507	-0.15313	0.335027	-0.45706	0.64763
ENSG00000168397.17	585.9038881	-0.13823	0.344647	-0.40108	0.688361
ENSG00000144029.12	586.0688131	0.03255	0.336955	0.0966	0.923044
ENSG00000145391.13	586.139194	-0.17647	0.338437	-0.52142	0.602076
ENSG00000175155.10	586.3420438	-0.70796	0.390605	-1.81247	0.069913
ENSG00000164916.11	586.3464252	-0.1391	0.345153	-0.40301	0.686938
ENSG00000062598.18	586.6109454	-0.61953	0.364179	-1.70117	0.088912
ENSG00000168461.13	586.6466082	-0.08489	0.369468	-0.22976	0.818275
ENSG00000180628.15	586.7403797	-0.55485	0.39774	-1.395	0.163016
ENSG00000105701.16	587.0028611	0.273084	0.431759	0.63249	0.527067
ENSG00000132718.9	587.2961423	-0.48759	0.375651	-1.29797	0.194296
ENSG00000085491.17	587.4553102	-0.40389	0.37152	-1.08712	0.276983
ENSG00000167721.11	587.5483728	-0.06475	0.352177	-0.18387	0.854119
ENSG00000067955.15	587.5816885	-0.39524	0.341744	-1.15653	0.247463
ENSG00000053770.12	587.7917881	-0.79724	0.39336	-2.02675	0.042688
ENSG00000102753.10	588.1445848	0.07988	0.334864	0.238546	0.811458
ENSG00000141644.17	588.7293804	-0.24986	0.354741	-0.70434	0.481223
ENSG00000152661.9	588.7829867	0.277352	0.482475	0.574852	0.565391
ENSG00000121892.15	588.9488008	-0.11038	0.334031	-0.33044	0.741066
ENSG00000100697.15	589.4363506	-0.07914	0.407576	-0.19417	0.846041
ENSG00000088356.6	589.7849931	-0.14759	0.331527	-0.44519	0.656183
ENSG00000132359.15	589.820667	-0.64242	0.476287	-1.34881	0.177398
ENSG00000172428.11	589.8640442	0.401705	0.333467	1.20463	0.228346
ENSG00000090674.16	589.9998348	-0.07844	0.336313	-0.23322	0.815589
ENSG00000086589.12	590.1276368	-0.4693	0.362752	-1.29373	0.195758
ENSG00000114098.18	590.3438927	-0.31292	0.346654	-0.9027	0.366686
ENSG00000158747.15	590.3515181	1.064251	0.383192	2.777329	0.005481
ENSG00000165959.12	590.4639222	-0.76176	0.359082	-2.12142	0.033886
ENSG00000258377.1	590.8448583	0.143127	0.411845	0.347527	0.728195
ENSG00000118579.13	590.8632849	-0.72596	0.397738	-1.82521	0.067969
ENSG00000164484.12	590.8959387	-0.55403	0.4737	-1.16957	0.242173
ENSG00000174744.14	591.2170491	-0.14516	0.338559	-0.42877	0.668094
ENSG00000101361.17	591.3340823	0.470513	0.37926	1.240607	0.214751
ENSG00000105514.8	591.5646057	-0.74384	0.463178	-1.60594	0.108288
ENSG00000169612.4	591.5796195	-0.04964	0.337379	-0.14715	0.883015
ENSG00000136205.17	591.6593639	-0.1897	0.340138	-0.55772	0.577034
ENSG00000137806.9	591.8358257	-0.50929	0.350194	-1.45429	0.145865
ENSG00000176853.16	592.3229909	-0.24221	0.349599	-0.69283	0.488419
ENSG00000162604.12	592.3278949	-0.25364	0.342109	-0.7414	0.458451
ENSG00000033050.9	592.3656052	0.154614	0.34096	0.453466	0.650213
ENSG00000093167.18	592.8706153	-0.17422	0.337518	-0.51619	0.605722
ENSG00000162733.19	592.9997361	0.199575	0.391737	0.509463	0.610428
ENSG00000166685.12	593.1211364	0.00289	0.339963	0.0085	0.993218
ENSG00000196961.13	593.1353524	0.28257	0.422703	0.668483	0.503825
ENSG00000060688.13	593.31591	-0.30991	0.377412	-0.82115	0.411563
ENSG00000247596.9	593.4891142	-0.20222	0.342218	-0.5909	0.554588
ENSG00000115204.15	593.6777787	-0.36844	0.348774	-1.05639	0.29079
ENSG00000123395.14	593.8120985	0.037669	0.333263	0.11303	0.910007
ENSG00000122390.19	593.8992147	-0.14303	0.335862	-0.42585	0.670215
ENSG00000186472.20	594.076256	-0.59724	0.386767	-1.5442	0.122541
ENSG00000103423.14	594.2285133	0.023682	0.331583	0.071421	0.943063

ENSG00000090621.14	594.2940664	0.650895	0.366373	1.776592	0.075635
ENSG00000083099.11	594.3427673	0.103412	0.41477	0.249323	0.803111
ENSG00000100592.16	594.358795	-0.09529	0.39254	-0.24274	0.808203
ENSG00000102871.16	594.4731258	-0.39649	0.336051	-1.17985	0.23806
ENSG00000114331.15	594.5006373	0.049097	0.377225	0.130152	0.896446
ENSG00000108443.14	594.6270051	-0.52629	0.33678	-1.56271	0.118122
ENSG00000163156.12	594.6479157	-0.07589	0.339737	-0.22337	0.823248
ENSG00000092330.18	594.8388768	-0.07972	0.33416	-0.23857	0.811442
ENSG00000176928.7	594.9921575	-0.96338	0.548734	-1.75565	0.079148
ENSG00000132294.15	595.3652465	-0.66298	0.340187	-1.94888	0.05131
ENSG00000166266.14	595.4796046	-0.34345	0.350311	-0.9804	0.326889
ENSG00000101084.18	596.0028196	0.384032	0.419797	0.914806	0.360294
ENSG00000036549.13	596.1178379	-0.71242	0.390156	-1.82599	0.067852
ENSG00000118246.14	596.3770694	-0.44445	0.403188	-1.10235	0.27031
ENSG00000178078.12	596.4338459	-0.22464	0.335842	-0.66888	0.503574
ENSG00000225733.6	596.7455015	-0.27956	0.376284	-0.74294	0.457517
ENSG00000132842.14	597.1063206	-0.12368	0.333123	-0.37128	0.710427
ENSG00000198000.12	597.1096522	-0.43673	0.351046	-1.24409	0.213468
ENSG00000166822.13	597.4074614	-0.50984	0.425878	-1.19714	0.231251
ENSG00000136854.23	597.4293904	-0.01438	0.331656	-0.04335	0.965422
ENSG00000143797.12	597.433844	-0.65823	0.433167	-1.51958	0.128616
ENSG00000141741.12	597.6124722	-0.03498	0.380646	-0.09191	0.926773
ENSG00000127054.21	597.7458934	-0.17497	0.331111	-0.52843	0.597203
ENSG00000050820.17	597.7589512	0.543901	0.333089	1.632901	0.10249
ENSG00000154553.16	598.3047184	-0.33659	0.35892	-0.9378	0.348348
ENSG00000138434.17	598.3448923	-0.22985	0.35154	-0.65384	0.513214
ENSG00000162910.19	598.4948872	-0.06078	0.344183	-0.1766	0.859825
ENSG00000271303.2	598.5336064	0.051469	0.351655	0.146361	0.883637
ENSG00000171793.16	598.5407165	-0.24076	0.358888	-0.67086	0.50231
ENSG00000259781.1	598.5608892	0.082103	0.335699	0.244572	0.806788
ENSG00000164144.16	598.8077527	-0.61421	0.335263	-1.83203	0.066947
ENSG00000131389.17	598.9140629	-0.80995	0.41774	-1.93889	0.052515
ENSG00000130313.7	599.1523544	-0.03285	0.334705	-0.09814	0.921818
ENSG00000125775.15	599.2913753	0.219057	0.424805	0.515665	0.606088
ENSG00000163681.16	599.3844236	-0.73264	0.369177	-1.98452	0.047198
ENSG00000169689.15	599.463561	0.126415	0.346675	0.364649	0.715373
ENSG00000198677.12	599.7258351	-0.11571	0.337782	-0.34256	0.73193
ENSG00000257342.1	599.9481421	0.029289	0.338871	0.08643	0.931124
ENSG00000160948.14	600.0446361	-0.11227	0.37443	-0.29984	0.764301
ENSG00000102595.20	600.1010163	-0.4049	0.34206	-1.1837	0.23653
ENSG00000141385.10	600.1290263	-0.10366	0.334688	-0.30971	0.756783
ENSG00000138668.19	600.1963622	0.868039	0.34327	2.528733	0.011447
ENSG00000140274.14	600.3509699	-1.73285	0.544572	-3.18205	0.001462
ENSG00000178896.9	600.3755671	0.07434	0.335035	0.221887	0.824402
ENSG00000004961.15	600.4216395	-0.29488	0.357164	-0.82561	0.409025
ENSG00000054523.18	600.5964636	-0.0576	0.34418	-0.16735	0.867094
ENSG00000125870.11	600.7114617	-0.09331	0.367222	-0.2541	0.799418
ENSG00000131748.16	600.9319899	-0.5507	0.345681	-1.59309	0.11114
ENSG00000140553.18	600.9478422	-0.14629	0.336872	-0.43425	0.66411
ENSG00000138835.22	600.9718778	-0.42792	0.35015	-1.22211	0.221665
ENSG00000162517.13	601.3753186	-0.2825	0.389372	-0.72552	0.468133
ENSG00000198053.12	601.7542384	0.079062	0.332796	0.23757	0.812215

ENSG00000100596.7	601.7923577	-0.74173	0.360681	-2.05647	0.039737
ENSG00000173039.19	601.8522129	-0.1977	0.368298	-0.53679	0.591414
ENSG00000103549.21	601.9001224	0.441418	0.358945	1.229765	0.218785
ENSG00000285901.2	601.920003	-0.39636	0.336132	-1.17917	0.23833
ENSG00000159842.15	601.9992887	-0.22407	0.33195	-0.675	0.499675
ENSG00000099995.19	602.0552273	-0.03213	0.336333	-0.09554	0.923886
ENSG00000143815.15	602.604593	-0.88973	0.391194	-2.27439	0.022943
ENSG00000105612.9	602.6351576	-0.57601	0.378108	-1.52341	0.127655
ENSG00000145781.9	602.6993773	-0.22623	0.415195	-0.54488	0.585837
ENSG00000153551.14	602.8427797	-0.44708	0.370781	-1.20577	0.227906
ENSG00000117036.12	602.8500052	-0.7398	0.404726	-1.82791	0.067563
ENSG00000130332.15	602.8797578	0.577204	0.34639	1.666343	0.095645
ENSG00000269243.1	602.9695657	-0.32366	0.36548	-0.88558	0.375845
ENSG00000183624.14	603.0395263	-0.17999	0.350506	-0.51353	0.607582
ENSG00000278845.5	603.1081827	-0.34598	0.335104	-1.03246	0.301855
ENSG00000124228.14	603.1169879	0.478961	0.351274	1.363496	0.172726
ENSG00000118873.16	603.5708516	0.014558	0.375248	0.038797	0.969052
ENSG00000162735.19	603.7476006	-0.68501	0.445929	-1.53615	0.124502
ENSG00000126261.13	603.7810392	-0.02374	0.336287	-0.0706	0.943713
ENSG00000113163.17	603.7948334	-0.51043	0.361262	-1.41291	0.157681
ENSG00000114374.13	604.2513214	-0.12887	0.366342	-0.35177	0.72501
ENSG00000106605.11	604.57374	-0.34936	0.350493	-0.99677	0.318878
ENSG00000119820.11	604.8780161	-0.57113	0.353516	-1.61557	0.106187
ENSG00000168300.14	605.3483551	-0.58936	0.334037	-1.76435	0.077672
ENSG00000067369.14	605.6668713	-0.21343	0.387282	-0.55111	0.581559
ENSG00000125505.17	605.83253	0.417782	0.352952	1.183679	0.23654
ENSG00000188739.15	606.0680212	-0.04249	0.338677	-0.12547	0.900153
ENSG00000219481.10	606.462076	-0.86869	0.339771	-2.55668	0.010568
ENSG00000112851.14	606.5283439	-0.42125	0.338747	-1.24354	0.213668
ENSG00000134982.17	606.7253665	-0.49276	0.437754	-1.12565	0.260312
ENSG00000160551.11	606.7590798	-0.37277	0.335339	-1.11164	0.266294
ENSG00000112200.17	607.0345162	-0.0792	0.335037	-0.23639	0.81313
ENSG00000109929.10	607.4542738	-0.61114	0.383524	-1.59348	0.111052
ENSG00000179933.6	607.5425921	-0.01956	0.408947	-0.04782	0.961861
ENSG00000197081.15	607.5594125	0.23215	0.354749	0.654405	0.512851
ENSG00000134882.16	607.6339013	-0.52746	0.348523	-1.51342	0.130173
ENSG00000099940.12	607.6427742	-0.30092	0.364284	-0.82605	0.408777
ENSG00000049323.16	607.7405599	0.068119	0.342664	0.198794	0.842424
ENSG00000187555.16	608.3208844	0.002259	0.334178	0.00676	0.994606
ENSG00000148719.15	608.623337	-0.18983	0.333814	-0.56866	0.569585
ENSG00000134186.12	608.7629165	-0.07772	0.337324	-0.2304	0.817778
ENSG00000163638.13	608.8407197	0.136111	0.348628	0.390418	0.696227
ENSG00000140395.9	608.9152132	-0.36698	0.345674	-1.06165	0.288394
ENSG00000156958.15	609.4724118	-0.67471	0.373472	-1.80659	0.070826
ENSG00000102710.20	609.5370975	-0.34874	0.352532	-0.98926	0.322538
ENSG00000100439.10	609.9484751	0.317562	0.397688	0.798521	0.424568
ENSG00000106591.4	610.0122943	-0.35979	0.404501	-0.88946	0.373758
ENSG00000166750.10	610.1017288	-0.39458	0.330677	-1.19325	0.232772
ENSG00000034152.19	610.1587352	0.320266	0.335717	0.953974	0.340097
ENSG00000136371.11	610.7665246	-0.04548	0.364084	-0.12492	0.900587
ENSG00000174720.16	610.8059737	-0.04677	0.364182	-0.12844	0.897803
ENSG00000116096.6	610.962356	-0.46284	0.346542	-1.33559	0.181684

ENSG00000171564.12	611.3818096	-1.0219	0.410588	-2.48886	0.012815
ENSG00000165997.5	611.4117993	-0.39893	0.362568	-1.10029	0.271206
ENSG00000105778.19	611.5195557	-0.84308	0.410535	-2.05362	0.040013
ENSG00000124222.22	611.6849239	-0.49312	0.344048	-1.43328	0.151779
ENSG00000104679.11	611.705287	-0.29104	0.374832	-0.77644	0.437487
ENSG00000109111.15	611.7069012	0.793477	0.44467	1.784418	0.074356
ENSG00000136044.12	611.7480827	-0.45585	0.360759	-1.26358	0.206382
ENSG00000101972.19	611.7724095	-0.28058	0.348755	-0.80451	0.421105
ENSG00000159322.17	611.7939375	-0.70581	0.391024	-1.80503	0.07107
ENSG00000103479.16	612.2840958	-0.4181	0.389701	-1.07288	0.283327
ENSG00000150779.12	612.2991613	0.476089	0.3709	1.283606	0.19928
ENSG00000119777.20	612.3309356	0.128276	0.407802	0.314555	0.7531
ENSG00000144231.11	612.3360811	-0.49271	0.389884	-1.26373	0.206328
ENSG00000134575.13	612.9879643	-0.68856	0.378875	-1.81737	0.06916
ENSG00000198792.13	613.1837002	-0.22545	0.396789	-0.56818	0.569913
ENSG00000005075.15	613.3396541	-0.07768	0.332521	-0.2336	0.815297
ENSG00000163499.12	613.3971287	-0.30785	0.418139	-0.73624	0.461586
ENSG00000163840.10	613.4553647	-0.3749	0.467231	-0.80239	0.422326
ENSG00000070413.20	613.5853405	-0.19922	0.366898	-0.54298	0.587147
ENSG00000116337.19	613.6735502	-0.29815	0.33647	-0.88611	0.375556
ENSG00000108515.18	613.9658983	0.245079	0.339364	0.722172	0.470189
ENSG00000166012.17	614.072071	0.101917	0.333238	0.305838	0.759728
ENSG00000158042.9	614.3225771	0.134086	0.337103	0.397759	0.690808
ENSG00000119321.9	615.3321004	-0.2626	0.331174	-0.79293	0.427817
ENSG00000165434.8	615.3334425	-0.87385	0.353606	-2.47124	0.013464
ENSG00000196139.14	615.3464732	-0.33039	0.336414	-0.98209	0.326057
ENSG00000168118.12	615.4588668	-0.50775	0.408158	-1.244	0.213499
ENSG00000197774.13	615.4895934	-0.18626	0.334392	-0.55702	0.577512
ENSG00000271383.7	615.6102397	0.908146	0.378301	2.400594	0.016368
ENSG00000136270.14	615.9004882	-0.01425	0.335752	-0.04244	0.966147
ENSG00000117280.13	616.0946256	-0.72274	0.394534	-1.83189	0.066968
ENSG00000117859.19	616.9869459	-0.78326	0.375021	-2.08857	0.036746
ENSG00000220205.9	617.3044535	-0.08243	0.360811	-0.22845	0.819293
ENSG00000240184.7	617.4355722	-1.01704	1.163726	-0.87395	0.382143
ENSG00000167110.18	617.4587583	0.122353	0.352618	0.346984	0.728603
ENSG00000108039.18	617.7933809	-0.23073	0.335484	-0.68774	0.491617
ENSG00000140688.17	617.8370361	-0.1927	0.413156	-0.46641	0.640925
ENSG00000004897.12	617.8863753	-0.23085	0.336794	-0.68545	0.493061
ENSG00000178567.8	618.1293925	-0.28871	0.329917	-0.87511	0.381513
ENSG00000160799.11	618.1342592	-0.09785	0.339794	-0.28796	0.773374
ENSG00000234741.8	618.3240768	-0.11148	0.473217	-0.23558	0.813758
ENSG00000144063.4	618.9352437	-0.49631	0.380525	-1.30427	0.192141
ENSG00000162992.4	619.0827374	-0.27184	0.483225	-0.56255	0.573742
ENSG00000140937.14	619.0875748	0.181012	0.397224	0.455694	0.64861
ENSG00000134250.20	619.1611314	0.350025	0.368532	0.949781	0.342223
ENSG00000107566.14	619.1689557	-0.3821	0.351362	-1.08749	0.276818
ENSG00000173163.10	619.2704896	0.090856	0.359541	0.2527	0.8005
ENSG00000134371.14	619.4281865	-0.42556	0.385709	-1.10333	0.269885
ENSG00000118518.16	619.5223949	-0.71316	0.356405	-2.00098	0.045394
ENSG00000143398.20	619.6557947	-0.40106	0.354379	-1.13174	0.257745
ENSG00000077235.18	619.6566867	0.458656	0.387548	1.183483	0.236618
ENSG00000181649.8	619.699901	-0.08116	0.332745	-0.24391	0.807302

ENSG00000163512.14	619.9076291	-0.76057	0.345303	-2.2026	0.027623
ENSG00000101146.13	620.0769882	-0.40468	0.335262	-1.20707	0.227406
ENSG00000006715.16	620.5684775	-1.04432	0.386218	-2.70395	0.006852
ENSG00000128708.13	620.8851874	-0.06969	0.34114	-0.20429	0.838127
ENSG00000120937.9	620.9055754	-0.73684	0.336338	-2.19077	0.028469
ENSG00000157613.11	620.9939749	0.131843	0.381802	0.345318	0.729856
ENSG00000108349.17	621.0085345	0.128546	0.331247	0.388067	0.697966
ENSG00000116863.11	621.2144284	-0.27729	0.372607	-0.7442	0.456758
ENSG00000105229.7	621.2661166	-0.48894	0.365494	-1.33775	0.180978
ENSG00000106263.18	621.367483	0.670856	0.363183	1.847156	0.064725
ENSG00000134709.12	621.8089142	-1.19069	0.361761	-3.29138	0.000997
ENSG00000164687.11	622.2632705	-0.32604	0.376547	-0.86587	0.386559
ENSG00000186566.13	622.3841555	-0.43111	0.329563	-1.30812	0.190832
ENSG00000120063.10	622.4081309	-0.60001	0.344611	-1.74112	0.081663
ENSG00000135111.16	622.4231889	0.175073	0.346636	0.505063	0.613515
ENSG00000068305.17	622.8830584	-0.41061	0.405771	-1.01193	0.311572
ENSG00000168883.20	623.0679122	-0.21378	0.33419	-0.6397	0.522366
ENSG00000177830.18	623.17456	-0.37608	0.352792	-1.06602	0.286415
ENSG00000104219.13	623.1834496	-0.36848	0.369125	-0.99827	0.318151
ENSG00000144048.10	623.6090344	-0.66678	0.368008	-1.81187	0.070006
ENSG00000133983.16	623.7534602	-0.05968	0.332844	-0.17929	0.857709
ENSG00000075151.20	623.8043094	0.340017	0.33924	1.00229	0.316203
ENSG00000140455.17	623.9694882	-0.66516	0.377315	-1.76289	0.077919
ENSG00000253719.4	623.985628	0.239013	0.431706	0.553647	0.57982
ENSG00000115364.14	624.1077667	0.075376	0.356127	0.211654	0.832377
ENSG00000129518.9	624.4015303	-0.49838	0.343572	-1.45059	0.146894
ENSG00000085721.13	624.5457833	-0.46067	0.376006	-1.22516	0.220515
ENSG00000137692.12	624.6283974	0.071931	0.330823	0.217431	0.827873
ENSG00000173207.13	624.6546205	-0.04199	0.338192	-0.12415	0.901198
ENSG00000198887.9	624.6817846	-0.72364	0.346926	-2.08586	0.036991
ENSG00000164031.17	624.6829306	-1.08301	0.423243	-2.55883	0.010502
ENSG00000081181.8	624.9559736	-0.40678	0.345114	-1.17868	0.238527
ENSG00000104549.12	625.1219047	-0.10959	0.358773	-0.30547	0.760012
ENSG00000078061.13	625.2652011	-0.44565	0.350214	-1.27252	0.203189
ENSG00000011198.10	625.6890286	-0.40415	0.390982	-1.03367	0.301292
ENSG00000129354.12	625.7710645	-0.0611	0.349397	-0.17487	0.861179
ENSG00000133265.11	625.8801894	0.049487	0.333365	0.148448	0.88199
ENSG00000078401.7	625.9540308	-0.23987	0.462601	-0.51852	0.604096
ENSG00000134138.20	626.2075102	-0.3547	0.342259	-1.03635	0.30004
ENSG00000123130.17	626.3743704	-0.26727	0.371873	-0.71872	0.472311
ENSG00000143149.12	626.5318179	0.115342	0.358531	0.321707	0.747675
ENSG00000117009.12	626.6125164	0.042394	0.389695	0.108788	0.91337
ENSG00000122378.14	626.6406968	-0.72692	0.376495	-1.93074	0.053515
ENSG00000116906.13	626.6549775	-0.47307	0.354947	-1.33278	0.182604
ENSG00000143013.13	627.4376582	0.153112	0.347307	0.440856	0.659317
ENSG00000154719.14	627.9456292	-0.35613	0.357585	-0.99593	0.319285
ENSG00000050393.11	627.9716655	-0.50925	0.373065	-1.36503	0.172242
ENSG00000213246.7	628.575224	-0.09594	0.338962	-0.28304	0.777147
ENSG00000139116.19	629.0713683	-0.47909	0.349028	-1.37265	0.16986
ENSG00000241343.10	629.1311491	0.581139	0.454687	1.278109	0.201211
ENSG00000082805.20	629.1463283	0.057182	0.348743	0.163967	0.869757
ENSG00000132591.12	629.4455162	-0.27195	0.337641	-0.80543	0.420572

ENSG00000152749.8	629.6095663	-0.88281	0.375625	-2.35024	0.018761
ENSG00000116560.11	629.8046387	0.620114	0.346144	1.79149	0.073215
ENSG00000003756.17	629.8757193	-0.03807	0.350187	-0.10871	0.913436
ENSG00000197622.13	630.153766	0.138782	0.375286	0.369802	0.71153
ENSG00000205571.14	630.2198704	-0.57142	0.360545	-1.58487	0.112995
ENSG00000171503.12	630.532652	-0.44035	0.336117	-1.31011	0.190157
ENSG00000038219.13	630.6403413	0.21266	0.366691	0.579943	0.561953
ENSG00000104964.15	630.9777466	0.301509	0.333842	0.90315	0.366446
ENSG00000060138.13	631.1662561	0.45678	0.39572	1.154301	0.248377
ENSG00000126768.12	631.1737047	-0.24181	0.357215	-0.67694	0.498445
ENSG00000107745.19	631.1855736	-0.27764	0.337051	-0.82374	0.410087
ENSG00000110104.13	631.2150651	-0.08035	0.500945	-0.16039	0.872572
ENSG00000136271.10	631.6153763	0.07736	0.339246	0.228035	0.819619
ENSG00000181610.13	631.6456832	-0.33294	0.342982	-0.97071	0.331691
ENSG00000105576.15	631.8894391	0.043111	0.455854	0.094571	0.924656
ENSG00000139505.11	631.9489139	-0.71873	0.408114	-1.7611	0.078221
ENSG00000175029.17	632.1823854	-0.1809	0.337287	-0.53634	0.591722
ENSG00000100014.20	632.2075281	-0.70988	0.3674	-1.93218	0.053338
ENSG00000008294.21	632.3007777	-0.07939	0.354601	-0.2239	0.822839
ENSG00000173402.12	632.4181255	-0.23211	0.363814	-0.63799	0.523483
ENSG00000132639.13	632.4597221	-1.02116	0.476909	-2.1412	0.032258
ENSG00000143924.19	632.6536175	-0.16071	0.331171	-0.48529	0.62747
ENSG00000101911.13	632.7743805	-0.18716	0.403471	-0.46388	0.642735
ENSG00000100030.15	632.8935689	-0.04029	0.330978	-0.12174	0.903108
ENSG00000149179.14	633.3155878	-0.33661	0.389326	-0.8646	0.387257
ENSG00000138698.15	633.3620209	-0.45922	0.378906	-1.21197	0.225525
ENSG00000165512.5	633.4848489	0.072981	0.369309	0.197616	0.843345
ENSG00000107959.16	633.9620848	0.463719	0.330713	1.402182	0.160861
ENSG00000124942.14	634.1419707	-0.24774	0.360867	-0.6865	0.492397
ENSG00000213619.10	634.1524693	0.05679	0.340859	0.166609	0.867678
ENSG00000147669.11	634.2674101	0.126048	0.394399	0.319595	0.749276
ENSG00000178922.16	634.4527373	0.264637	0.34589	0.76509	0.444218
ENSG00000139624.14	634.5279257	-0.6516	0.359323	-1.81341	0.069768
ENSG00000122643.22	634.7681939	-0.71	0.377535	-1.88062	0.060023
ENSG00000168802.14	634.7871264	-0.10114	0.372363	-0.27163	0.785909
ENSG00000134057.15	635.1078732	-0.48244	1.13268	-0.42593	0.670159
ENSG00000115760.14	635.4913777	-0.38142	0.350677	-1.08766	0.276747
ENSG00000154153.13	635.6664428	-1.4	0.388933	-3.5996	0.000319
ENSG00000135837.16	635.7382625	0.112381	0.392314	0.286456	0.774529
ENSG00000154813.10	635.7483282	-0.04552	0.331636	-0.13726	0.890824
ENSG00000068120.15	635.7721838	0.45992	0.329814	1.394483	0.163172
ENSG00000100744.15	636.0323386	-0.90024	0.42067	-2.14002	0.032353
ENSG00000052723.12	636.2920814	-0.35982	0.359062	-1.00211	0.316288
ENSG00000033011.13	636.814569	-0.57954	0.337339	-1.71799	0.085799
ENSG00000125107.18	636.8148372	0.274991	0.355967	0.772516	0.439809
ENSG00000140199.13	636.8412684	-0.11628	0.331501	-0.35078	0.725752
ENSG00000119139.21	636.9844919	0.255251	0.331302	0.770449	0.441034
ENSG00000178980.15	637.1341285	-0.20412	0.340306	-0.5998	0.548639
ENSG00000164741.15	637.179895	0.592924	0.370501	1.600333	0.109525
ENSG00000120533.13	637.4820449	-0.20959	0.345306	-0.60697	0.543869
ENSG00000150768.16	637.9994327	-0.42221	0.46694	-0.9042	0.36589
ENSG00000156711.17	638.2386601	-0.72937	0.366594	-1.98958	0.046638

ENSG00000137161.17	638.3088656	-0.33397	0.338253	-0.98733	0.323479
ENSG00000115540.15	638.4773842	-0.40817	0.342326	-1.19233	0.23313
ENSG00000163159.14	638.9178297	-0.27554	0.361675	-0.76183	0.446159
ENSG00000105829.13	638.9455432	-0.37914	0.351432	-1.07884	0.280657
ENSG00000114405.11	639.0298798	-0.57571	0.420542	-1.36898	0.171005
ENSG00000018408.15	639.1761431	-0.23279	0.359773	-0.64705	0.5176
ENSG00000253133.2	639.6089574	-0.50168	0.351688	-1.42649	0.153727
ENSG00000172201.12	639.8201892	-0.31455	0.422314	-0.74481	0.456384
ENSG00000117305.15	639.9739911	-0.15499	0.342774	-0.45218	0.651143
ENSG00000173933.21	640.5439081	0.18531	0.329391	0.562583	0.573719
ENSG00000100983.12	640.7342301	-0.1518	0.343363	-0.44209	0.658425
ENSG00000136560.14	640.8025721	-0.31499	0.369573	-0.85231	0.39404
ENSG00000109103.12	640.919241	-0.45043	0.338167	-1.33196	0.182873
ENSG00000100029.18	641.0596193	0.390765	0.345005	1.132637	0.257367
ENSG00000156804.7	641.3661062	-0.10875	0.490922	-0.22153	0.824679
ENSG00000166260.13	641.3915504	-0.31303	0.375012	-0.83472	0.403877
ENSG00000117155.16	641.4352449	-0.8111	0.391374	-2.07244	0.038225
ENSG00000176087.15	641.4479918	-0.23878	0.462558	-0.51622	0.6057
ENSG00000166900.17	641.5345169	-0.4152	0.367399	-1.13012	0.258428
ENSG00000147862.17	641.5926404	0.042972	0.431921	0.099491	0.920748
ENSG00000114383.10	641.6020812	0.080172	0.330725	0.242412	0.808461
ENSG00000112078.14	641.9662284	-0.14558	0.346028	-0.4207	0.673972
ENSG00000032444.17	642.0542905	0.874144	0.377225	2.317303	0.020487
ENSG00000147471.12	642.2048187	-0.50393	0.379384	-1.32829	0.184084
ENSG00000163798.13	642.2227934	-0.06439	0.328536	-0.19598	0.844624
ENSG00000055211.14	643.2304904	-0.32656	0.351463	-0.92915	0.352814
ENSG00000132254.12	643.5005057	-0.43282	0.346254	-1.25001	0.211294
ENSG00000143198.13	643.8815027	-0.20918	0.344366	-0.60743	0.543568
ENSG00000130816.16	644.262927	0.334927	0.333497	1.004288	0.31524
ENSG00000165733.8	644.5503023	0.096934	0.345416	0.280629	0.778995
ENSG00000115539.14	644.599768	-0.3436	0.409937	-0.83819	0.401925
ENSG00000024422.12	644.6142697	-0.20699	0.440598	-0.4698	0.638499
ENSG00000042286.15	644.7988818	-0.23317	0.339817	-0.68618	0.492601
ENSG00000157593.19	644.8081646	-0.06033	0.453356	-0.13307	0.894138
ENSG00000166128.13	644.8500453	-0.87906	0.405087	-2.17006	0.030002
ENSG00000091436.17	645.0322726	0.063526	0.344043	0.184644	0.853508
ENSG00000253710.4	645.0830729	-0.47659	0.339995	-1.40175	0.160989
ENSG00000064651.14	645.1423338	-0.21159	0.448068	-0.47223	0.636764
ENSG00000017797.13	645.2488631	0.546844	0.456694	1.197397	0.231152
ENSG00000125848.10	645.2979025	-0.65946	0.373256	-1.76678	0.077265
ENSG00000136052.9	645.4933428	-1.05972	0.353626	-2.99673	0.002729
ENSG00000181555.21	645.9107067	-0.34383	0.356759	-0.96376	0.335166
ENSG00000143469.20	646.0573844	-1.54977	0.403224	-3.84345	0.000121
ENSG00000068323.17	646.3991367	0.026094	0.342365	0.076217	0.939246
ENSG00000164219.10	646.5364588	-1.05052	0.409496	-2.56541	0.010305
ENSG00000162032.16	647.2213373	-0.48859	0.340747	-1.43387	0.151609
ENSG00000037241.7	647.3112864	0.257603	0.343174	0.75065	0.452864
ENSG00000169902.15	647.4193558	-0.80929	0.377368	-2.14456	0.031988
ENSG00000134324.12	647.6019719	-0.01702	0.367607	-0.0463	0.96307
ENSG00000151929.10	647.7571216	0.391178	0.397639	0.983752	0.325238
ENSG00000187942.12	647.8768293	0.901582	0.425448	2.119133	0.034079
ENSG00000147123.11	647.9448069	-0.0797	0.378535	-0.21054	0.833244

ENSG00000133393.13	648.7207077	-0.5514	0.348919	-1.5803	0.114039
ENSG00000118971.9	648.7792537	-0.49567	0.344564	-1.43853	0.150284
ENSG00000068028.17	649.4608432	-0.29162	0.340673	-0.856	0.391997
ENSG00000105855.10	649.5908597	-0.88758	0.416334	-2.13189	0.033016
ENSG00000196712.18	649.7927629	-0.24332	0.348221	-0.69876	0.484702
ENSG00000033100.16	649.9047474	0.06679	0.482201	0.138511	0.889836
ENSG00000101126.18	649.9173845	-0.07014	0.469176	-0.1495	0.88116
ENSG00000227057.10	649.9422369	0.328252	0.335384	0.978734	0.327711
ENSG00000148444.16	650.0059353	-0.20824	0.350701	-0.59378	0.552663
ENSG00000148848.14	650.1809374	-0.21018	0.339213	-0.61962	0.535507
ENSG00000160746.13	650.2284802	-0.51811	0.343848	-1.50681	0.131859
ENSG00000054793.14	650.2408146	-0.29372	0.333521	-0.88067	0.378497
ENSG00000048162.21	650.2758574	-0.09646	0.34218	-0.28189	0.77803
ENSG00000165669.14	650.6571237	0.020973	0.329808	0.06359	0.949297
ENSG00000164597.14	650.8025817	-0.56316	0.347358	-1.62128	0.104958
ENSG00000143442.22	651.0390449	-0.49036	0.39922	-1.22829	0.219337
ENSG00000114988.12	651.2414889	-0.24615	0.364134	-0.676	0.499041
ENSG00000101966.13	651.3991418	-1.42517	0.474004	-3.00666	0.002641
ENSG00000112118.20	651.6269833	0.617614	0.397513	1.553694	0.120257
ENSG00000125633.11	651.6806919	-0.46898	0.348127	-1.34716	0.17793
ENSG00000161542.17	651.7887999	0.089372	0.339932	0.26291	0.79262
ENSG00000204568.12	651.8901989	-0.19315	0.339495	-0.56892	0.569407
ENSG00000163374.19	652.1718991	-0.43377	0.386858	-1.12126	0.262175
ENSG00000164253.14	652.5067772	-0.31452	0.353045	-0.89087	0.373001
ENSG00000168496.4	652.6616835	0.711925	0.378804	1.879405	0.060189
ENSG00000049618.24	652.8630553	-0.12013	0.343045	-0.35017	0.726208
ENSG00000118058.23	652.9385544	-0.15231	0.364289	-0.4181	0.675876
ENSG00000139154.16	653.1713801	-0.40716	0.467617	-0.87071	0.383914
ENSG00000165775.18	653.2490114	-0.22386	0.337609	-0.66308	0.507281
ENSG00000151726.14	653.5622561	-0.5768	0.346938	-1.66256	0.096401
ENSG00000267534.4	653.5707036	-0.39939	0.522562	-0.76429	0.444693
ENSG00000119326.15	653.7978831	-0.20964	0.341218	-0.6144	0.53895
ENSG00000250186.3	654.312913	0.170289	0.329784	0.516364	0.6056
ENSG00000169359.16	654.4054774	-0.55275	0.350782	-1.57577	0.115079
ENSG00000184640.19	654.4520337	0.495541	0.347955	1.424153	0.154402
ENSG00000115339.14	654.6118502	-0.39516	0.36432	-1.08465	0.278078
ENSG00000138138.13	654.8805133	-0.67347	0.345507	-1.94923	0.051268
ENSG00000175727.14	655.1081788	0.01117	0.358462	0.031162	0.975141
ENSG00000185201.16	655.5845118	-0.02209	0.337989	-0.06535	0.947898
ENSG00000096401.8	655.7188426	-0.1898	0.344287	-0.55127	0.581448
ENSG00000172922.11	656.2915376	-0.06963	0.369541	-0.18841	0.850554
ENSG00000177370.5	656.3041643	-0.39742	0.361725	-1.09868	0.271906
ENSG00000147457.14	656.4297801	-0.69289	0.339953	-2.03819	0.041531
ENSG00000198876.13	656.6955038	-0.59586	0.34035	-1.75074	0.079991
ENSG00000037474.15	656.8493787	-0.253	0.329001	-0.76901	0.441889
ENSG00000056558.11	657.0163896	-0.15855	0.359936	-0.4405	0.659578
ENSG00000113269.14	657.0991442	-0.61424	0.365031	-1.68269	0.092434
ENSG00000082258.13	657.4356576	-0.72371	0.342929	-2.11037	0.034827
ENSG00000255112.3	657.515264	0.173173	0.327959	0.528033	0.597477
ENSG00000138095.19	658.2278952	0.047412	0.339121	0.139808	0.888812
ENSG00000082996.20	658.4089998	-0.98434	0.433353	-2.27146	0.023119
ENSG00000090487.11	658.833046	-0.22059	0.343445	-0.64229	0.520683

ENSG00000112305.15	658.8362461	-0.37801	0.347525	-1.08772	0.276718
ENSG00000277972.2	658.9140004	0.328332	0.336967	0.974376	0.32987
ENSG00000198730.9	659.4410797	0.266709	0.358776	0.743386	0.457248
ENSG00000118515.11	659.8124675	-0.49388	0.35531	-1.39	0.164528
ENSG00000138663.9	659.9603432	-0.37457	0.373322	-1.00335	0.315693
ENSG00000278053.5	659.994484	0.228727	0.330148	0.6928	0.488435
ENSG00000103051.20	660.0060227	-0.04201	0.358138	-0.1173	0.906624
ENSG00000138166.6	660.0514763	0.578832	0.429431	1.347903	0.177689
ENSG00000104320.14	660.0881974	-0.81543	0.397389	-2.05198	0.040172
ENSG00000167671.12	660.5696636	0.536649	0.361703	1.483674	0.137895
ENSG00000168282.6	661.2398556	0.087143	0.452969	0.192381	0.847443
ENSG00000166887.16	661.3225911	-0.43092	0.352815	-1.22138	0.221943
ENSG00000091640.8	661.4348444	-0.20725	0.338002	-0.61317	0.539766
ENSG00000230590.11	661.4433494	0.289727	0.37655	0.769426	0.441641
ENSG00000067248.10	661.5300178	0.066476	0.365062	0.182094	0.855509
ENSG00000139168.8	661.5911505	-0.52489	0.383202	-1.36974	0.170768
ENSG00000179958.9	662.0747234	0.283928	0.405516	0.700163	0.483825
ENSG00000132589.16	662.3500848	-0.00615	0.340701	-0.01804	0.985605
ENSG00000136485.15	662.3681815	-0.63214	0.369763	-1.70959	0.087342
ENSG00000170035.16	662.6183999	-0.14971	0.392744	-0.38118	0.703069
ENSG00000136247.14	662.979613	-0.36007	0.337766	-1.06602	0.286413
ENSG00000176386.9	663.0413591	0.021795	0.33841	0.064404	0.948649
ENSG00000135148.12	663.0797835	-0.52987	0.337287	-1.57098	0.116187
ENSG00000167767.14	663.1412168	-0.34377	0.364674	-0.94267	0.34585
ENSG00000181929.13	663.6548586	-0.32954	0.356114	-0.92538	0.354767
ENSG00000111696.12	663.7808819	-0.38159	0.441227	-0.86484	0.387128
ENSG00000159593.15	663.8106865	-0.26682	0.348102	-0.76648	0.443388
ENSG00000116750.13	663.9310454	-0.35548	0.367515	-0.96725	0.333421
ENSG00000173465.8	663.9736763	0.27989	0.349837	0.800058	0.423677
ENSG00000147162.14	664.1501727	-0.10188	0.339455	-0.30011	0.76409
ENSG00000122299.12	664.1788917	-0.26365	0.328797	-0.80185	0.422641
ENSG00000088298.13	664.5158434	-0.34954	0.344014	-1.01607	0.309596
ENSG00000104131.13	664.5167596	0.322713	0.33256	0.97039	0.331852
ENSG00000162961.14	664.5227843	-0.03265	0.347895	-0.09386	0.925217
ENSG00000137133.11	664.5398689	-0.2658	0.367602	-0.72307	0.469637
ENSG00000177674.16	664.6314634	-0.18128	0.363591	-0.49858	0.618074
ENSG00000169018.6	664.6654063	0.251752	0.370363	0.679745	0.496666
ENSG00000178913.8	664.7418284	0.67993	0.348382	1.951676	0.050977
ENSG00000166200.15	664.778539	-0.15223	0.329991	-0.46131	0.644577
ENSG00000131504.17	665.0795585	0.426101	0.337001	1.264391	0.20609
ENSG00000108465.15	665.3540643	0.05701	0.350279	0.162757	0.87071
ENSG00000148842.18	665.558807	-0.20639	0.339026	-0.60878	0.542673
ENSG00000128335.14	665.7048601	-0.1288	0.400393	-0.32169	0.747684
ENSG00000130787.14	666.2689602	-0.09339	0.329791	-0.28318	0.777042
ENSG00000140983.14	666.2854252	-0.01111	0.378542	-0.02934	0.976595
ENSG00000151715.8	666.4510054	-0.55918	0.356794	-1.56725	0.117057
ENSG00000141349.8	666.653264	-0.30003	0.367217	-0.81704	0.413905
ENSG00000186063.13	666.7967238	-0.26884	0.375739	-0.71549	0.474309
ENSG00000104343.21	666.9144987	-0.77625	0.348728	-2.22595	0.026017
ENSG00000145293.16	666.9830806	-0.69904	0.375546	-1.8614	0.062688
ENSG00000151348.15	667.0247954	-0.26744	0.336138	-0.79561	0.426256
ENSG00000154001.14	667.0686789	-0.22503	0.455745	-0.49375	0.62148

ENSG00000104695.13	667.1718175	0.666441	0.344848	1.932562	0.05329
ENSG00000100320.23	667.1739909	-0.14424	0.400423	-0.36023	0.718678
ENSG00000164080.13	667.3351287	-0.266	0.344887	-0.77126	0.44055
ENSG00000145216.16	667.3619293	-0.25219	0.340119	-0.74147	0.458407
ENSG00000130545.16	667.4224954	-0.00275	0.33458	-0.00823	0.993433
ENSG00000083642.19	667.5872346	0.058437	0.351499	0.166251	0.867959
ENSG00000197217.13	667.7022196	-0.75901	0.410335	-1.84974	0.064351
ENSG00000070669.17	667.7264659	-0.20182	0.425944	-0.47382	0.635627
ENSG00000111605.18	667.8144784	-0.38154	0.369076	-1.03376	0.30125
ENSG00000181350.12	667.8428394	0.184441	0.349979	0.527006	0.59819
ENSG00000148843.15	668.1052328	0.062594	0.353237	0.177202	0.859349
ENSG00000155189.12	668.5069606	0.454709	0.412559	1.102168	0.270389
ENSG00000141198.16	668.9977434	-0.48556	0.354756	-1.36871	0.171091
ENSG00000125753.14	668.9992074	0.499939	0.439585	1.137297	0.255414
ENSG00000187164.20	669.2101176	-0.41144	0.356382	-1.15448	0.248303
ENSG00000125430.9	669.5265228	-0.35551	1.053632	-0.33741	0.735807
ENSG00000065154.12	669.8311092	-0.40122	0.387889	-1.03437	0.300965
ENSG00000125912.11	669.9102041	0.432001	0.344006	1.255795	0.20919
ENSG00000115464.15	670.3976725	-0.26354	0.339177	-0.77699	0.437167
ENSG00000033178.13	670.5740881	-0.24846	0.411045	-0.60447	0.545532
ENSG00000119383.20	670.7555594	-0.26274	0.397032	-0.66176	0.508127
ENSG00000171865.10	670.8040341	-0.02844	0.328504	-0.08658	0.931004
ENSG00000221914.11	670.817409	0.034842	0.332143	0.1049	0.916455
ENSG00000168938.6	670.9839834	-0.41177	0.349766	-1.17726	0.239092
ENSG00000116688.18	671.0039771	0.174019	0.336633	0.516941	0.605198
ENSG00000136732.16	671.207541	-0.14138	0.331566	-0.4264	0.669818
ENSG00000145623.13	671.7248444	-0.09283	0.337983	-0.27467	0.783567
ENSG00000015676.18	671.7364473	0.300286	0.336526	0.892312	0.372226
ENSG00000103196.12	672.326502	1.081803	0.4143	2.611155	0.009024
ENSG00000130731.16	672.496671	0.040119	0.327102	0.122651	0.902384
ENSG00000139684.15	672.7665617	-0.43595	0.353251	-1.2341	0.217164
ENSG00000124067.17	672.8456606	-0.39241	0.345369	-1.13621	0.255869
ENSG00000099917.17	672.8491984	-0.12056	0.378672	-0.31838	0.750199
ENSG00000124164.16	673.2870481	-0.23884	0.337126	-0.70847	0.478656
ENSG00000169967.16	673.3108212	-0.31302	0.33399	-0.93721	0.348653
ENSG00000166508.18	673.6258714	0.425271	0.344461	1.234599	0.21698
ENSG00000162298.19	673.7836417	-0.19421	0.339546	-0.57198	0.567336
ENSG00000157800.18	674.679853	-0.5518	0.351618	-1.5693	0.116578
ENSG00000162433.15	674.6828564	-0.66471	0.406606	-1.63477	0.102098
ENSG00000168137.18	674.8528149	0.302824	0.344854	0.878123	0.379877
ENSG00000105976.15	675.2204255	-0.5522	0.404308	-1.36578	0.172007
ENSG00000113810.16	675.2820942	0.492422	0.35577	1.384101	0.166327
ENSG00000171634.18	675.2933015	0.32612	0.379704	0.85888	0.390407
ENSG00000131669.10	675.3495684	-0.68495	0.364525	-1.87902	0.060241
ENSG00000130340.16	675.8807221	0.178041	0.330943	0.537981	0.59059
ENSG00000105171.10	675.9840259	-0.14542	0.329844	-0.44087	0.65931
ENSG00000166197.17	676.2211527	0.269152	0.353025	0.762416	0.445812
ENSG00000049759.19	676.5549767	0.243946	0.440383	0.55394	0.57962
ENSG00000101843.19	676.7569739	-0.4898	0.328297	-1.49194	0.135715
ENSG00000184047.20	676.8704576	-0.47081	0.334287	-1.40841	0.159011
ENSG00000077254.14	676.936785	-0.40541	0.36708	-1.10441	0.269416
ENSG00000234456.8	677.3728912	-0.8391	0.377817	-2.22091	0.026357

ENSG00000140285.11	677.4323728	0.055411	0.534552	0.10366	0.91744
ENSG00000179163.12	677.6132623	-0.55513	0.372569	-1.49001	0.136222
ENSG00000213983.12	677.6198075	-0.3692	0.376292	-0.98114	0.326523
ENSG00000062582.14	677.86468	-0.0197	0.336747	-0.0585	0.953351
ENSG00000107020.10	678.1889894	-0.30897	0.339096	-0.91117	0.362204
ENSG00000164114.19	678.2814839	-0.41758	0.354953	-1.17643	0.239422
ENSG00000131981.16	678.5245018	-0.42418	0.34484	-1.23008	0.218667
ENSG00000130640.13	678.7475211	0.227981	0.343876	0.662975	0.507347
ENSG00000174891.13	679.4356211	-0.33913	0.338796	-1.00099	0.316834
ENSG00000159692.16	679.4396581	0.018849	0.339908	0.055453	0.955777
ENSG00000254873.1	679.8818476	-0.09678	0.366514	-0.26406	0.791737
ENSG00000091490.11	680.3903483	-0.27025	0.332565	-0.81264	0.416427
ENSG00000011275.19	680.9317365	-0.55513	0.338314	-1.64087	0.100823
ENSG00000106397.12	680.9394935	0.124485	0.327146	0.380518	0.703561
ENSG00000143156.14	680.9975794	-0.26336	0.438463	-0.60063	0.548085
ENSG00000162576.17	681.1312568	0.17435	0.466058	0.374095	0.708334
ENSG00000184349.13	681.300692	-0.71348	0.491375	-1.452	0.146502
ENSG00000174099.12	681.8355613	0.180853	0.35518	0.509188	0.610621
ENSG00000198700.10	681.8622897	-0.20882	0.344913	-0.60542	0.544897
ENSG00000110047.18	681.9095659	0.123393	0.368035	0.335274	0.737418
ENSG00000130921.8	682.1018591	-0.27196	0.448646	-0.60617	0.544403
ENSG00000059573.9	682.2518315	-0.48411	0.394528	-1.22707	0.219796
ENSG00000159063.13	682.359503	-0.24533	0.387141	-0.63371	0.526273
ENSG00000138175.9	682.4259592	-0.09428	0.370504	-0.25446	0.799142
ENSG00000090013.11	682.4384843	-0.1734	0.360959	-0.48038	0.630957
ENSG00000100994.12	683.0477215	-0.05728	0.332809	-0.17213	0.863339
ENSG00000145349.17	683.2383047	-0.67917	0.417428	-1.62704	0.103729
ENSG00000068745.15	683.3455116	-0.39729	0.362531	-1.09589	0.273128
ENSG00000031823.14	683.378111	-0.46241	0.347619	-1.33021	0.183448
ENSG00000142892.15	683.5708147	-0.85134	0.39797	-2.1392	0.032419
ENSG00000101365.21	683.662631	-0.04202	0.339451	-0.12378	0.901491
ENSG00000019549.13	684.9670094	-0.38037	0.345709	-1.10025	0.271223
ENSG00000119446.14	685.2893029	-0.47064	0.334361	-1.40759	0.159251
ENSG00000213064.10	685.3145411	-0.63905	0.343	-1.8631	0.062448
ENSG00000103507.14	685.4919653	-0.46242	0.377297	-1.22561	0.220345
ENSG00000117139.18	685.6294188	-0.09109	0.35207	-0.25871	0.795857
ENSG00000131013.4	686.1931063	-0.42909	0.335256	-1.2799	0.200579
ENSG00000118564.15	686.3275639	-0.68783	0.441326	-1.55856	0.119099
ENSG00000087470.18	686.500735	0.049977	0.330839	0.15106	0.879928
ENSG00000112996.11	686.5771833	-0.2333	0.336518	-0.69328	0.488135
ENSG00000142657.21	686.6816973	-0.2145	0.390589	-0.54916	0.582897
ENSG00000162616.9	686.9776232	-0.16254	0.335417	-0.48458	0.627972
ENSG00000114503.11	687.3183347	-0.24062	0.332351	-0.72399	0.469069
ENSG00000102181.21	687.66166	-0.23863	0.373543	-0.63882	0.522937
ENSG00000119333.11	687.6860224	-0.12593	0.336126	-0.37464	0.707925
ENSG00000151923.17	687.7240065	0.266599	0.333034	0.800515	0.423412
ENSG00000136813.14	687.7443498	0.061651	0.344606	0.178904	0.858013
ENSG00000131475.7	687.9977901	-0.03941	0.342817	-0.11495	0.908483
ENSG00000160058.19	688.5938562	0.216291	0.344562	0.627726	0.530183
ENSG00000163171.8	688.7219339	-0.82007	0.356738	-2.2988	0.021516
ENSG00000130164.14	688.8449723	-0.09088	0.355089	-0.25594	0.797994
ENSG00000109736.15	689.1790643	-0.18699	0.351893	-0.53137	0.595162

ENSG00000012983.11	689.2336674	-0.5184	0.349409	-1.48366	0.1379
ENSG00000183087.15	689.2395747	-0.04958	0.392624	-0.12628	0.899513
ENSG00000140718.21	689.4924827	-0.46079	0.376002	-1.22549	0.220389
ENSG00000140564.12	689.7939529	0.257679	0.337879	0.762636	0.44568
ENSG00000131503.21	689.8919199	0.20137	0.330693	0.608935	0.542568
ENSG00000144028.15	689.9641897	0.368911	0.336008	1.097923	0.272238
ENSG00000198740.9	690.4979792	-0.79742	0.42621	-1.87095	0.061353
ENSG00000140262.18	690.609747	-1.30957	0.39267	-3.33504	0.000853
ENSG00000140297.13	690.8853314	-0.37596	0.350274	-1.07332	0.283128
ENSG00000114416.18	691.1552599	-0.11377	0.33818	-0.33643	0.736549
ENSG00000111667.13	691.1573255	0.059976	0.404251	0.148363	0.882056
ENSG00000171307.19	691.2112182	-0.30242	0.472693	-0.63978	0.522313
ENSG00000260257.2	691.2361208	-0.58078	1.227157	-0.47327	0.636018
ENSG00000132305.20	691.6142483	-0.16262	0.345243	-0.47102	0.637628
ENSG00000123143.13	691.7235733	0.950175	0.449091	2.115774	0.034364
ENSG00000117505.13	691.930285	-0.40105	0.354561	-1.13111	0.258008
ENSG00000079308.19	691.9504986	0.559107	0.344095	1.62486	0.104192
ENSG00000090316.16	691.954937	-0.29554	0.329696	-0.89641	0.370034
ENSG00000103591.13	692.0969058	-0.38002	0.333089	-1.1409	0.253911
ENSG00000093144.19	692.2057811	-0.47012	0.354746	-1.32524	0.185091
ENSG00000135317.13	692.2859478	-0.24539	0.332711	-0.73753	0.460798
ENSG00000047457.14	692.3222969	0.480558	0.374871	1.281931	0.199867
ENSG00000166888.12	692.6060503	0.027443	0.36841	0.074489	0.940621
ENSG00000170525.21	692.8257447	-0.66968	0.334921	-1.99953	0.045551
ENSG00000110075.14	692.8591776	-0.46113	0.364741	-1.26427	0.206134
ENSG00000204120.15	692.9080675	0.10186	0.356673	0.285582	0.775198
ENSG00000096080.11	693.0939704	-0.38968	0.339593	-1.14748	0.251181
ENSG00000105197.11	693.3219378	0.01055	0.337322	0.031275	0.97505
ENSG00000116455.14	694.7510612	-0.33395	0.388234	-0.86017	0.389695
ENSG00000014123.10	694.8124114	-0.40946	0.336462	-1.21695	0.223624
ENSG00000148229.13	694.9999112	0.26655	0.383239	0.695519	0.48673
ENSG00000175193.14	695.2997615	-0.2066	0.346886	-0.59559	0.551447
ENSG00000139613.12	695.5575712	-0.14437	0.430267	-0.33553	0.737228
ENSG00000006831.10	695.761931	-0.19938	0.342306	-0.58247	0.560249
ENSG00000132383.12	695.9688389	-0.10931	0.406985	-0.26858	0.788252
ENSG00000198925.12	696.2447542	-0.48455	0.402169	-1.20485	0.22826
ENSG00000111412.6	696.3072983	0.066648	0.36003	0.185118	0.853137
ENSG00000144655.15	696.4419197	-0.45901	0.342927	-1.33851	0.18073
ENSG00000080503.24	696.5902004	0.007374	0.332801	0.022157	0.982323
ENSG00000109670.16	696.7123238	-0.06953	0.406613	-0.17101	0.864217
ENSG00000104067.16	696.7355553	0.08615	0.384459	0.224083	0.822693
ENSG00000136731.13	696.8551143	0.302441	0.429333	0.704445	0.481156
ENSG00000140740.11	696.9291113	-0.25035	0.344241	-0.72726	0.467065
ENSG00000139722.7	697.1671798	-0.41417	0.37387	-1.10779	0.267952
ENSG00000132612.16	697.3787917	-0.04994	0.351444	-0.14209	0.887011
ENSG00000269713.7	697.493197	0.595158	0.393699	1.511707	0.130608
ENSG00000107551.21	697.7434247	-1.25179	0.354756	-3.52859	0.000418
ENSG00000140612.14	697.8661152	-0.30977	0.35602	-0.87009	0.384252
ENSG00000135250.17	697.9067291	-0.27192	0.33773	-0.80514	0.420738
ENSG00000068796.19	698.1602012	-0.56968	0.339579	-1.6776	0.093426
ENSG00000197894.11	698.2325845	-0.14039	0.339772	-0.41318	0.679473
ENSG00000167861.16	698.2623953	-0.28082	0.42907	-0.65449	0.512795

ENSG00000122692.9	698.8780222	-0.01392	0.396689	-0.03508	0.972014
ENSG00000163637.13	698.9793486	-0.76225	0.423807	-1.79857	0.072087
ENSG00000029725.17	699.2418272	-0.30075	0.327973	-0.917	0.359144
ENSG00000089048.14	699.303216	-0.23279	0.336836	-0.69111	0.489498
ENSG00000171824.14	699.5124049	-0.3163	0.361482	-0.87501	0.381569
ENSG00000123836.15	699.618664	-1.18748	0.404894	-2.93281	0.003359
ENSG00000065613.15	699.9469152	0.005113	0.332172	0.015394	0.987718
ENSG00000221926.13	700.0106309	-0.70785	0.401712	-1.76209	0.078054
ENSG00000146729.10	700.2675738	-0.62357	0.433071	-1.43987	0.149903
ENSG00000188243.12	700.7442208	0.184685	0.326178	0.56621	0.571251
ENSG00000239857.7	701.1192382	0.215851	0.329617	0.654855	0.512561
ENSG00000167193.8	701.2500521	0.814327	0.377905	2.154844	0.031174
ENSG00000108179.14	701.3334294	0.176786	0.328093	0.538828	0.590006
ENSG00000111674.9	701.3400645	-0.36833	0.340426	-1.08198	0.279261
ENSG00000100867.15	701.3512265	-0.56482	0.437487	-1.29107	0.19668
ENSG00000135549.15	701.6502526	-0.8764	0.38127	-2.29864	0.021525
ENSG00000067064.11	701.6609941	-0.24328	0.370403	-0.65679	0.511314
ENSG00000116898.12	701.6670878	-0.18998	0.342389	-0.55487	0.578984
ENSG00000109046.15	701.7526902	-0.31465	0.375116	-0.83881	0.401578
ENSG00000107643.16	702.1221854	-0.91835	0.369199	-2.48741	0.012868
ENSG00000131368.8	702.1543416	0.166615	0.333558	0.499508	0.617421
ENSG00000067182.8	702.1877908	-0.08853	0.327385	-0.27043	0.786831
ENSG00000146376.11	702.214221	-0.47812	0.349305	-1.36878	0.171067
ENSG00000112304.11	702.8251961	-0.36416	0.332703	-1.09455	0.273712
ENSG00000198171.13	702.9558292	-0.06495	0.325769	-0.19939	0.841959
ENSG00000065308.5	703.081844	0.180268	0.354773	0.508123	0.611367
ENSG00000186298.12	703.2746675	-0.16683	0.440584	-0.37865	0.704945
ENSG00000120675.6	703.3683446	-0.13813	0.338812	-0.40769	0.683502
ENSG00000006744.19	703.8717842	-0.18659	0.355171	-0.52537	0.599328
ENSG00000128050.9	704.0426528	-0.07255	0.338752	-0.21417	0.830411
ENSG00000095906.17	704.0864584	-0.31775	0.339448	-0.93608	0.349231
ENSG00000114120.14	704.8182932	-1.06298	0.331835	-3.20333	0.001358
ENSG00000116350.17	704.826614	-0.04363	0.337032	-0.12944	0.897009
ENSG00000114302.16	705.1866313	-0.27895	0.335163	-0.83229	0.405247
ENSG00000146282.18	705.2496577	-0.73021	0.351695	-2.07625	0.037871
ENSG00000152684.11	705.9757384	-0.09335	0.327354	-0.28518	0.77551
ENSG00000135655.16	706.2264997	-0.33035	0.33214	-0.99462	0.319923
ENSG00000136146.15	707.0083383	-0.31942	0.369342	-0.86485	0.387123
ENSG00000110906.13	707.0655668	-0.08088	0.344454	-0.23481	0.814356
ENSG00000035141.8	707.2915694	0.036309	0.32779	0.110768	0.9118
ENSG00000108788.11	707.5102126	-0.31962	0.392647	-0.81401	0.415637
ENSG00000132676.16	707.8162961	-0.39197	0.33781	-1.16034	0.245911
ENSG00000141753.7	708.0685074	0.712894	0.343164	2.077413	0.037763
ENSG00000196656.7	708.2531673	0.298866	0.330959	0.903032	0.366509
ENSG00000111707.12	708.8213547	0.065383	0.338482	0.193164	0.846831
ENSG00000259207.9	710.0109081	0.361973	0.366871	0.986648	0.323815
ENSG00000168000.14	710.0366915	0.062549	0.343956	0.181852	0.855698
ENSG00000083799.18	710.2413021	-0.16128	0.326798	-0.49351	0.62165
ENSG00000081307.13	710.4083311	-0.27637	0.341742	-0.8087	0.418687
ENSG00000135341.18	710.4845273	-0.22886	0.337638	-0.67783	0.497879
ENSG00000115211.16	710.8317769	-0.53591	0.35483	-1.51032	0.130962
ENSG00000196365.12	710.8422862	0.45988	0.391256	1.175393	0.239837

ENSG00000078967.13	711.1039261	-0.5624	0.395758	-1.42107	0.155297
ENSG00000112576.13	711.1794366	-0.12137	0.458445	-0.26474	0.791207
ENSG00000065243.20	711.2299098	-0.40327	0.347346	-1.16102	0.245635
ENSG00000136448.12	711.2449487	0.424365	0.463365	0.915833	0.359755
ENSG00000143653.10	711.5933076	-0.39705	0.349674	-1.13548	0.256176
ENSG00000185803.12	711.8636329	0.161323	0.414981	0.388748	0.697463
ENSG00000170633.16	711.9413652	-0.54887	0.376624	-1.45735	0.145019
ENSG00000144455.14	712.0744851	-0.53179	0.387207	-1.3734	0.169629
ENSG00000142798.20	712.572416	0.277168	0.325905	0.850457	0.395071
ENSG00000114480.13	713.0816386	-0.14078	0.349988	-0.40225	0.687499
ENSG00000172269.19	713.1158588	-0.86967	0.376004	-2.31294	0.020726
ENSG00000055130.17	713.3882267	-0.61039	0.338268	-1.80445	0.07116
ENSG00000078269.15	714.2744538	0.152809	0.345591	0.442168	0.658368
ENSG00000161671.17	714.4779103	0.683067	0.343425	1.988985	0.046703
ENSG00000139117.14	714.4866527	-0.46617	0.35031	-1.33073	0.183277
ENSG00000103415.12	714.6068461	-0.31368	0.383158	-0.81867	0.412975
ENSG00000136682.15	715.1284409	-0.01278	0.349994	-0.03653	0.970862
ENSG00000164889.14	715.4816759	0.903559	0.389006	2.322739	0.020193
ENSG00000115145.10	716.0205192	-0.60138	0.353605	-1.70072	0.088995
ENSG00000204427.12	716.2106282	-0.29207	0.375979	-0.77684	0.437255
ENSG00000064115.11	716.2941197	-0.29736	0.40321	-0.73749	0.460827
ENSG00000137210.14	716.3502149	-0.06214	0.33221	-0.18704	0.851629
ENSG00000160688.19	716.4415145	0.134799	0.344785	0.390967	0.695822
ENSG00000167244.21	717.227689	-1.1449	0.494084	-2.31721	0.020492
ENSG00000106290.15	717.2670789	-0.39707	0.414415	-0.95816	0.337984
ENSG00000121940.16	717.4629673	-0.60551	0.353999	-1.71048	0.087176
ENSG00000284526.1	717.496463	-0.03359	0.32892	-0.10213	0.918656
ENSG00000128342.5	717.6770094	0.024958	0.43965	0.056769	0.954729
ENSG00000159202.18	717.6907803	0.348958	0.333694	1.045743	0.29568
ENSG00000121989.15	717.9528453	-0.30945	0.410982	-0.75295	0.45148
ENSG00000108826.16	718.1984987	-0.10678	0.355905	-0.30002	0.764159
ENSG00000070495.15	718.2441081	0.13415	0.328534	0.408328	0.683033
ENSG00000173432.12	718.656954	-1.00729	0.377667	-2.66715	0.00765
ENSG00000100196.11	718.86582	-0.41001	0.417345	-0.98243	0.325886
ENSG00000173141.5	718.8754917	0.323433	0.363431	0.889944	0.373496
ENSG00000099800.8	719.0109032	0.336158	0.332547	1.010858	0.312084
ENSG00000165609.13	719.0163133	0.018061	0.336481	0.053677	0.957193
ENSG00000028203.18	719.201288	-0.47174	0.342158	-1.37872	0.167982
ENSG00000154945.7	719.9849524	-0.33055	0.419572	-0.78784	0.430791
ENSG00000167476.10	720.6313378	-0.30307	0.332722	-0.91088	0.362357
ENSG00000126749.16	720.6792787	-0.05645	0.327386	-0.17243	0.863099
ENSG00000136451.9	720.9298587	-0.45729	0.330153	-1.38508	0.166027
ENSG00000143819.12	721.2991035	-0.3722	0.424189	-0.87745	0.380242
ENSG00000089818.18	721.5992849	-0.64994	0.366967	-1.77112	0.076541
ENSG00000075223.14	721.8284552	-0.32289	0.378947	-0.85207	0.394175
ENSG00000167900.12	721.9197039	-0.55743	0.423933	-1.3149	0.188542
ENSG00000129292.21	722.1687419	0.033156	0.337712	0.098179	0.92179
ENSG00000145916.19	722.297984	0.000882	0.326025	0.002705	0.997842
ENSG00000066455.13	722.4607989	-0.27854	0.334866	-0.8318	0.40552
ENSG00000128791.12	722.8407631	-0.61924	0.359488	-1.72256	0.084968
ENSG00000101158.15	723.3968276	-0.26383	0.351262	-0.7511	0.452592
ENSG00000102119.11	723.9306157	-0.29296	0.340611	-0.86009	0.389741

ENSG00000176903.5	724.0189668	0.093321	0.464222	0.201027	0.840678
ENSG00000266472.6	724.20131	0.262771	0.332541	0.79019	0.429417
ENSG00000163743.13	724.2279424	-0.30205	0.352096	-0.85785	0.390975
ENSG00000023697.13	724.5569961	-0.38394	0.428598	-0.8958	0.370361
ENSG00000137713.16	724.7580086	-0.55668	0.405494	-1.37285	0.169798
ENSG00000047315.17	724.7998637	0.079551	0.324829	0.244902	0.806532
ENSG00000287286.1	725.0224614	-0.44924	0.351038	-1.27974	0.200635
ENSG00000163660.12	725.373698	-0.33826	0.379182	-0.89207	0.372354
ENSG00000079739.17	725.4787147	-0.09364	0.345366	-0.27114	0.786284
ENSG00000086758.16	726.3359497	0.253723	0.333662	0.760418	0.447005
ENSG00000135452.10	726.4131966	-0.29239	0.331401	-0.8823	0.377617
ENSG00000198301.12	726.5281444	-0.49266	0.354315	-1.39045	0.164391
ENSG00000173473.11	726.7411907	0.23712	0.331649	0.714972	0.474626
ENSG00000138430.16	726.9445662	-0.31369	0.35539	-0.88266	0.377418
ENSG00000166347.19	727.6949636	-0.04435	0.346239	-0.12809	0.898079
ENSG00000167315.18	728.2630243	-0.38034	0.336101	-1.13162	0.257794
ENSG00000134077.16	728.2860685	0.036742	0.329379	0.111548	0.911182
ENSG00000154710.18	728.3287949	-0.42651	0.331839	-1.28529	0.198692
ENSG00000137942.16	728.3866597	-0.43539	0.348335	-1.24991	0.211331
ENSG00000090432.7	728.7941054	-0.3629	0.344989	-1.05191	0.292842
ENSG00000115170.15	729.089273	-0.46962	0.384633	-1.22096	0.222099
ENSG00000119314.16	729.2323847	-1.2831	0.413192	-3.10533	0.001901
ENSG00000154305.18	729.2573195	-0.05713	0.331908	-0.17212	0.86334
ENSG00000114744.9	729.9469065	-0.30662	0.378418	-0.81026	0.417793
ENSG00000243317.8	730.3402877	-0.03724	0.345445	-0.1078	0.914155
ENSG00000140545.15	730.8070128	-0.40801	0.353638	-1.15376	0.248598
ENSG00000072501.19	730.9253585	-0.04607	0.371747	-0.12393	0.901372
ENSG00000166135.14	730.9587854	-0.60884	0.342832	-1.77592	0.075747
ENSG00000130703.17	731.7629916	-0.60204	0.325503	-1.84958	0.064374
ENSG00000047249.18	732.1563528	0.303396	0.391392	0.775173	0.438238
ENSG00000178252.18	732.5903226	0.039493	0.353701	0.111655	0.911097
ENSG00000111832.13	732.5924884	-0.11653	0.326988	-0.35637	0.721563
ENSG00000115816.15	733.2394247	0.135114	0.343968	0.39281	0.69446
ENSG00000164134.13	733.3987732	-0.68067	0.343725	-1.98027	0.047673
ENSG00000033800.14	733.4734842	-0.69262	0.405202	-1.70931	0.087394
ENSG00000149294.16	733.4956986	-0.45436	0.360965	-1.25872	0.20813
ENSG00000127463.15	733.8316723	-0.00943	0.362054	-0.02606	0.979212
ENSG00000198183.12	734.1516794	-0.5515	0.420581	-1.31128	0.189763
ENSG00000156671.15	734.2283181	-0.61778	0.363062	-1.70158	0.088834
ENSG00000176915.15	734.591411	0.424831	0.358667	1.18447	0.236227
ENSG00000198954.9	734.6070749	-0.45866	0.395325	-1.16021	0.245962
ENSG00000124380.11	734.8120687	0.001952	0.326575	0.005977	0.995231
ENSG00000159579.14	734.8360277	-0.27235	0.344117	-0.79143	0.428691
ENSG00000141030.13	735.0289063	-0.09411	0.34093	-0.27604	0.782521
ENSG00000172977.13	735.1355521	-0.24137	0.382594	-0.63087	0.528128
ENSG00000119705.10	735.2414208	0.283025	0.342456	0.826457	0.408545
ENSG00000140299.13	735.3867429	-0.22975	0.326144	-0.70445	0.481154
ENSG00000099968.18	735.7136718	-0.89627	0.394546	-2.27164	0.023108
ENSG00000104886.12	735.7697287	0.325753	0.343018	0.949668	0.342281
ENSG00000153310.19	735.793521	-0.6764	0.365307	-1.8516	0.064083
ENSG00000173726.11	736.0343216	0.163963	0.334869	0.489632	0.624394
ENSG00000109686.18	736.3616259	0.254815	0.36466	0.698774	0.484693

ENSG00000140307.11	736.9348493	-0.32172	0.342459	-0.93944	0.347503
ENSG00000272742.1	737.1383869	-0.33488	0.39013	-0.85838	0.390683
ENSG00000198356.12	737.5781138	-0.2934	0.351426	-0.83488	0.403783
ENSG00000021355.13	737.6012669	-0.31174	0.369236	-0.84428	0.398514
ENSG00000149313.11	737.7441035	-0.50389	0.374431	-1.34575	0.178382
ENSG00000121067.19	737.8883101	-0.31639	0.345689	-0.91523	0.360071
ENSG00000167978.17	738.1523068	1.210191	0.37933	3.190339	0.001421
ENSG00000100941.9	738.3202827	0.229149	0.345826	0.662614	0.507578
ENSG00000100442.11	738.5731134	-0.04818	0.335622	-0.14355	0.885856
ENSG00000109572.14	739.0665212	-0.21083	0.337184	-0.62528	0.53179
ENSG00000137547.9	739.389254	-0.46927	0.353587	-1.32717	0.184451
ENSG00000120437.9	739.6633013	0.308091	0.368389	0.836321	0.402974
ENSG00000138382.15	739.8472912	-0.33631	0.340706	-0.9871	0.323593
ENSG00000108883.13	740.2772955	0.166512	0.341713	0.487286	0.626055
ENSG00000161204.11	740.661465	-0.17508	0.342463	-0.51125	0.609175
ENSG00000035862.12	741.2133048	0.522959	0.342315	1.527713	0.126584
ENSG00000185002.10	741.5085454	-0.16458	1.182313	-0.1392	0.889291
ENSG00000182307.14	741.6756096	0.459297	0.362297	1.267737	0.204892
ENSG00000134369.15	742.0689125	0.24457	0.332895	0.734677	0.462536
ENSG00000175216.15	742.1174118	-0.63041	0.392581	-1.60582	0.108313
ENSG00000099624.8	742.3057911	0.447874	0.360017	1.244037	0.213486
ENSG00000116698.21	742.3830161	-0.6886	0.366879	-1.87692	0.06053
ENSG00000149182.15	742.4574544	-0.49981	0.380042	-1.31514	0.188464
ENSG00000204435.14	743.0901394	0.015974	0.328952	0.04856	0.96127
ENSG00000186660.15	743.4959134	0.455425	0.328592	1.385989	0.16575
ENSG00000143776.18	743.9641093	-0.46588	0.361659	-1.28817	0.197686
ENSG00000075239.14	744.2917029	-0.45954	0.370605	-1.23996	0.21499
ENSG00000188725.8	744.7196818	-0.64581	0.384019	-1.6817	0.092627
ENSG00000132872.12	744.9882533	-0.70102	0.439874	-1.59369	0.111005
ENSG00000132763.15	745.1311966	-0.00132	0.354869	-0.00372	0.997029
ENSG00000138777.20	745.312251	-0.43692	0.353686	-1.23532	0.21671
ENSG00000127870.17	745.4746224	-0.63787	0.348214	-1.83183	0.066976
ENSG00000133169.6	745.5362509	0.195191	0.397695	0.490806	0.623564
ENSG00000002933.9	745.7182603	-0.6547	0.426771	-1.53409	0.125008
ENSG00000174917.9	746.0054087	-0.07945	0.332838	-0.23871	0.811334
ENSG00000080345.18	746.1301089	-0.45647	0.350704	-1.30157	0.193063
ENSG00000257671.1	746.3446566	0.296501	0.358826	0.826309	0.408629
ENSG00000100258.18	746.4759569	-0.36194	0.44226	-0.81839	0.413135
ENSG00000136045.12	746.6268069	-0.04342	0.344078	-0.1262	0.899572
ENSG00000090686.16	746.7339896	-0.31756	0.33558	-0.94629	0.344002
ENSG00000156587.16	747.16546	-0.57435	0.356251	-1.61222	0.106915
ENSG00000114796.16	747.4303208	-1.06585	0.387256	-2.75233	0.005917
ENSG00000103512.15	747.444587	0.18216	0.338401	0.538297	0.590372
ENSG00000116752.6	747.6957988	-0.52538	0.373872	-1.40525	0.159947
ENSG00000116717.13	747.7037683	0.256691	0.450532	0.56975	0.568847
ENSG00000105379.10	747.7104069	0.2345	0.32393	0.723922	0.469114
ENSG00000204264.12	747.7515719	-0.27283	0.342818	-0.79585	0.426117
ENSG00000148926.10	747.9928917	-0.99892	0.483762	-2.0649	0.038933
ENSG00000114446.5	748.2762007	-0.51953	0.353875	-1.46812	0.142072
ENSG00000103121.9	748.7275081	0.040596	0.334263	0.12145	0.903335
ENSG00000260032.2	748.9883769	0.600768	0.40733	1.474894	0.140241
ENSG00000123684.13	749.3418413	-0.67818	0.347008	-1.95436	0.050659

ENSG00000018189.13	749.3493609	-0.00185	0.329685	-0.00561	0.995523
ENSG00000133703.13	749.9209178	-0.44179	0.388865	-1.13611	0.25591
ENSG00000172785.18	750.4602592	-0.17186	0.329259	-0.52196	0.6017
ENSG00000157106.17	751.1842218	-0.31724	0.353817	-0.89663	0.369914
ENSG00000272886.6	751.2403014	-0.57088	0.336903	-1.6945	0.09017
ENSG00000203865.11	751.5057366	0.25336	0.367376	0.689646	0.490417
ENSG00000034713.8	751.679832	-0.43928	0.36753	-1.19523	0.231997
ENSG00000134107.5	751.7282503	-0.82086	0.388878	-2.11084	0.034786
ENSG00000164975.15	751.7358405	-0.75817	0.471835	-1.60686	0.108085
ENSG00000184277.13	752.0761458	-0.50954	0.350906	-1.45208	0.14648
ENSG00000119812.19	752.1663264	-0.35155	0.414051	-0.84906	0.39585
ENSG00000167088.11	752.4435573	0.088708	0.324768	0.273144	0.784743
ENSG00000182158.15	752.4470143	-0.298	0.330843	-0.90072	0.367737
ENSG00000111145.8	752.5858219	-0.41222	0.346154	-1.19085	0.233712
ENSG00000163162.9	752.5969553	-0.39205	0.377131	-1.03957	0.298538
ENSG00000204272.13	752.6862952	-0.41746	0.343284	-1.21609	0.22395
ENSG00000115241.11	752.9861511	0.245798	0.32536	0.755466	0.44997
ENSG00000166963.13	753.0013169	-0.20392	0.391316	-0.52112	0.60228
ENSG00000070404.10	753.0859922	-0.01416	0.362597	-0.03905	0.968852
ENSG00000102805.16	753.3364444	-0.39329	0.341363	-1.15212	0.249274
ENSG00000160209.19	753.3387323	0.665524	0.42345	1.571673	0.116026
ENSG00000273841.5	753.3950145	-0.17727	0.5183	-0.34203	0.732332
ENSG00000164209.17	753.4202882	-0.83985	0.422301	-1.98876	0.046728
ENSG00000112249.14	753.4930505	0.014918	0.398417	0.037443	0.970131
ENSG00000204308.8	753.4939902	0.101403	0.338367	0.299683	0.764419
ENSG00000140443.15	753.5203591	-1.06715	0.335601	-3.17983	0.001474
ENSG00000132646.11	754.675038	-0.29139	0.358706	-0.81234	0.416597
ENSG00000154767.15	754.7808906	0.059386	0.433708	0.136925	0.89109
ENSG00000169228.14	755.1410407	-0.38208	0.337802	-1.13109	0.258017
ENSG00000105618.14	755.9313527	-0.0624	0.328876	-0.18973	0.849518
ENSG00000125730.17	757.1813252	1.048099	0.357722	2.929927	0.00339
ENSG00000235106.10	757.2681182	-0.7511	0.433485	-1.73271	0.083147
ENSG00000197321.15	757.8954642	-0.10085	0.334952	-0.30109	0.763344
ENSG00000071859.15	758.1559678	0.145196	0.32808	0.442564	0.658081
ENSG00000052795.13	758.2240699	-0.34516	0.368057	-0.93778	0.348358
ENSG00000067704.10	758.5630839	-0.33085	0.334056	-0.99041	0.321972
ENSG00000128585.18	758.7814134	-0.60452	0.339374	-1.78127	0.074868
ENSG00000189159.16	758.8400982	-0.07343	0.336424	-0.21827	0.827221
ENSG00000100462.16	759.0865327	0.002814	0.354553	0.007938	0.993667
ENSG00000112972.15	759.2821503	-0.22455	0.361314	-0.62147	0.534291
ENSG00000023228.14	759.2886876	-0.5716	0.345928	-1.65238	0.098457
ENSG00000101350.8	760.797358	0.23954	0.326397	0.733891	0.463015
ENSG00000137100.16	760.9909459	-0.13266	0.340357	-0.38977	0.696708
ENSG00000133135.14	761.0121983	-0.83136	0.444379	-1.87084	0.061367
ENSG00000106400.12	761.3004043	0.064626	0.334064	0.193454	0.846603
ENSG00000134590.14	761.3452619	-0.13115	0.427412	-0.30684	0.758968
ENSG00000105393.16	761.3721975	-0.01677	0.329595	-0.05088	0.959419
ENSG00000073969.18	761.5493329	-0.35252	0.3706	-0.95122	0.341494
ENSG00000172466.16	761.5583872	-0.8345	0.372548	-2.23998	0.025092
ENSG00000155508.13	761.7633996	-0.74943	0.336922	-2.22434	0.026125
ENSG00000105810.10	761.8783356	-0.52634	0.353797	-1.48769	0.136834
ENSG00000173660.12	762.9726126	0.053087	0.324947	0.163372	0.870226

ENSG00000169738.8	763.5323074	-0.50335	0.368494	-1.36597	0.171948
ENSG00000164292.13	763.7234273	0.873605	0.362911	2.407213	0.016075
ENSG00000167543.16	764.2262931	0.020736	0.339096	0.061149	0.95124
ENSG00000214046.8	764.6335126	-0.07132	0.323347	-0.22057	0.825429
ENSG00000107951.15	765.0017702	-0.57206	0.521708	-1.09652	0.272852
ENSG00000166073.11	765.2281126	-0.0331	0.329397	-0.10049	0.919958
ENSG00000155324.10	765.3225727	-0.57906	0.384256	-1.50697	0.131819
ENSG00000111652.10	765.4302681	-0.56306	0.387106	-1.45453	0.145798
ENSG00000145494.12	765.4644161	0.256866	0.328952	0.780863	0.434883
ENSG00000184182.19	765.4657547	-0.15241	0.324508	-0.46966	0.638601
ENSG00000166847.10	765.6589635	-0.64855	0.330321	-1.96339	0.049601
ENSG00000116005.12	765.8548871	-0.60769	0.333286	-1.82333	0.068254
ENSG00000163898.10	766.8631578	-0.33884	0.324786	-1.04326	0.296828
ENSG00000163541.12	766.9658561	-0.16966	0.330428	-0.51344	0.60764
ENSG00000198162.12	767.3420932	-0.34171	0.354762	-0.9632	0.335448
ENSG00000134884.15	767.3425457	0.362819	0.325289	1.115374	0.26469
ENSG00000242028.8	767.429785	0.632209	0.357726	1.767302	0.077178
ENSG00000124299.15	767.5988448	-0.43133	0.336814	-1.28063	0.200325
ENSG00000168264.10	767.6494443	-0.17368	0.323715	-0.53651	0.591603
ENSG00000108587.16	767.8513569	-0.3461	0.329239	-1.05121	0.293164
ENSG00000092621.13	768.186318	-0.38649	0.379057	-1.01961	0.307915
ENSG00000055332.18	769.0879908	-0.51625	0.349444	-1.47735	0.139582
ENSG00000112655.16	770.0446683	0.092134	0.335609	0.274526	0.78368
ENSG00000118217.6	770.1041625	-0.34976	0.334679	-1.04505	0.295999
ENSG00000275895.7	770.1378196	-1.02862	1.67957	-0.61243	0.540252
ENSG00000143811.19	770.1599619	-0.50057	0.33573	-1.49098	0.135966
ENSG00000119720.18	770.1806708	0.389556	0.336618	1.157263	0.247165
ENSG00000016082.15	770.3875134	-0.44633	0.490136	-0.91062	0.362496
ENSG00000109917.11	770.8806341	-0.46953	0.409314	-1.14711	0.251337
ENSG00000171148.13	771.5189047	0.141534	0.328086	0.431392	0.666183
ENSG00000185222.10	772.156796	0.347961	0.333263	1.044102	0.296438
ENSG00000161813.22	772.4671764	-0.54015	0.397904	-1.35748	0.174629
ENSG00000169020.10	773.6599393	1.463828	0.378467	3.867788	0.00011
ENSG00000181029.9	773.6711473	0.151172	0.331584	0.455909	0.648455
ENSG00000156298.13	773.7981227	-1.11439	0.496862	-2.24286	0.024906
ENSG00000143393.16	773.8974899	0.045834	0.345504	0.132659	0.894463
ENSG00000112531.17	773.9779109	0.000101	0.335519	0.000301	0.99976
ENSG00000143545.10	774.1563539	0.200355	0.326744	0.613186	0.539753
ENSG00000136770.11	774.569429	-0.49181	0.35862	-1.37141	0.170247
ENSG00000106305.10	774.7681933	-0.52621	0.349401	-1.50604	0.132056
ENSG00000067048.17	775.60385	-0.56661	0.332022	-1.70654	0.087908
ENSG00000196998.19	775.6505695	-0.59409	0.359534	-1.65239	0.098455
ENSG00000117298.16	775.7394615	-0.35594	0.338023	-1.05302	0.292332
ENSG00000125356.7	775.7952448	0.394553	0.330198	1.194901	0.232126
ENSG00000111321.11	775.9012074	-0.27371	0.345609	-0.79197	0.428378
ENSG00000167635.11	776.1591621	-0.6335	0.330879	-1.91458	0.055546
ENSG00000172172.8	776.2818613	-0.20786	0.334233	-0.62189	0.534013
ENSG00000170275.15	776.3541406	-0.54264	0.350576	-1.54786	0.121656
ENSG00000134049.6	776.4184028	-0.12006	0.330365	-0.36341	0.716302
ENSG00000170558.10	776.8766258	-0.0802	0.323295	-0.24808	0.80407
ENSG00000119421.7	778.5203701	-0.11364	0.343075	-0.33123	0.740471
ENSG00000205155.8	778.6832198	-0.21348	0.348842	-0.61197	0.540557

ENSG00000275700.5	778.872616	0.070243	0.32721	0.214671	0.830024
ENSG00000198814.12	779.0144613	-0.24193	0.337665	-0.71648	0.473696
ENSG00000146592.17	779.4044332	-0.58354	0.43014	-1.35663	0.1749
ENSG00000149231.15	779.4962246	-0.38747	0.325221	-1.19142	0.233489
ENSG00000167325.15	779.6501999	0.151583	0.358506	0.422819	0.672427
ENSG00000012061.16	779.7188617	0.078222	0.341959	0.228747	0.819066
ENSG00000198663.17	779.9905696	-0.48917	0.336217	-1.45492	0.145691
ENSG00000215021.9	780.0454471	0.121516	0.327798	0.370703	0.710859
ENSG00000066654.14	780.2131902	-0.36703	0.366501	-1.00144	0.316612
ENSG00000160049.12	780.2542882	-0.24588	0.324295	-0.7582	0.448331
ENSG00000101298.15	780.8106472	0.218892	0.458651	0.477251	0.633183
ENSG00000141756.19	780.9027844	0.160026	0.342283	0.467526	0.640123
ENSG0000006007.12	781.0733838	-0.28723	0.344939	-0.83271	0.405007
ENSG00000136436.15	781.212665	-0.27713	0.359255	-0.77139	0.440475
ENSG00000176887.7	781.4162072	0.413914	0.47918	0.863798	0.387699
ENSG00000068903.20	781.5499051	-0.467	0.354407	-1.3177	0.187605
ENSG00000103855.18	781.5772397	0.181323	0.362017	0.500869	0.616463
ENSG00000205339.10	781.7647767	0.205625	0.324819	0.633045	0.526704
ENSG00000171943.12	782.1467109	-0.61224	0.409103	-1.49654	0.134513
ENSG00000130414.12	782.4151412	0.127697	0.335014	0.38117	0.703077
ENSG00000141076.18	782.6411739	-0.36758	0.404777	-0.90811	0.363821
ENSG00000100813.14	782.9943334	0.419898	0.36262	1.157955	0.246882
ENSG00000111011.18	783.3160253	-0.14188	0.343661	-0.41285	0.67972
ENSG00000111615.14	783.4620463	-0.29068	0.323821	-0.89766	0.369366
ENSG00000135390.21	783.7869666	-0.4173	0.34818	-1.19851	0.23072
ENSG00000086504.17	783.8621447	-0.21134	0.333102	-0.63445	0.525785
ENSG00000171566.12	784.2294543	-0.14379	0.336848	-0.42686	0.669484
ENSG00000112667.13	784.2557125	0.07219	0.343423	0.210208	0.833506
ENSG00000107929.15	785.2811474	-0.13668	0.401258	-0.34063	0.733382
ENSG00000278615.5	785.3486734	0.115729	0.323614	0.357615	0.720631
ENSG00000152377.14	785.7148507	-1.0166	0.396709	-2.56259	0.010389
ENSG00000147853.17	785.7708962	-0.66595	0.370309	-1.79836	0.072119
ENSG00000106853.20	786.1399858	-0.37148	0.36397	-1.02063	0.307429
ENSG00000009954.11	786.9207854	0.368919	0.331718	1.112146	0.266076
ENSG00000159131.17	787.0552228	-0.24219	0.344916	-0.70217	0.482574
ENSG00000106089.12	787.770447	-0.44602	0.410992	-1.08523	0.277822
ENSG00000171497.5	788.3482843	-0.23299	0.327148	-0.71219	0.47635
ENSG00000077721.16	788.8586112	-0.39809	0.363605	-1.09484	0.273585
ENSG00000177426.22	788.900936	-1.029	0.364078	-2.82632	0.004709
ENSG00000123739.11	788.9896726	-0.28087	0.327814	-0.8568	0.391553
ENSG00000182985.17	789.1343001	-1.21785	0.402496	-3.02575	0.00248
ENSG00000109184.15	789.6188521	-0.85533	0.338411	-2.52748	0.011488
ENSG00000184203.8	789.7029586	-0.80752	0.384254	-2.10152	0.035595
ENSG00000069956.12	789.8351541	-0.27888	0.331195	-0.84204	0.399764
ENSG00000117748.10	789.9061743	-0.28591	0.336491	-0.84967	0.39551
ENSG00000060339.14	790.2163917	0.132705	0.337695	0.392971	0.694341
ENSG00000148572.16	790.2547785	-0.47857	0.333617	-1.4345	0.151429
ENSG00000072364.13	790.4803745	-0.50456	0.340692	-1.481	0.138606
ENSG00000168887.11	791.0096107	0.369454	0.400158	0.923269	0.355867
ENSG00000135124.15	791.0536101	-0.5247	0.328016	-1.5996	0.109686
ENSG00000151414.15	791.0772892	-0.07389	0.327229	-0.2258	0.821357
ENSG00000163659.13	791.8692854	-0.61596	0.383523	-1.60607	0.108259

ENSG00000172725.14	791.9881363	-0.23361	0.328296	-0.7116	0.476715
ENSG00000119523.10	792.357152	-0.16747	0.367617	-0.45555	0.648712
ENSG00000093000.19	792.5383372	-0.22911	0.323007	-0.70931	0.478135
ENSG00000111885.7	792.5798267	-0.15551	0.37303	-0.41688	0.676765
ENSG00000073756.12	792.8027726	0.491162	0.382657	1.283555	0.199298
ENSG00000119729.12	792.9513495	-0.42504	0.354061	-1.20046	0.229961
ENSG00000123505.19	793.4678244	-0.40967	0.34	-1.20491	0.228238
ENSG00000154447.15	793.5233602	-0.4797	0.335063	-1.43168	0.152236
ENSG00000087087.20	793.7766876	0.447608	0.385036	1.162509	0.245029
ENSG00000104522.16	794.1203318	-0.04859	0.340098	-0.14288	0.886385
ENSG00000166681.14	794.2219297	-0.10049	0.335598	-0.29945	0.764598
ENSG00000113658.18	794.3064166	-0.72467	0.343238	-2.11129	0.034748
ENSG00000132716.19	794.4009389	-0.24647	0.328968	-0.74922	0.453723
ENSG00000116977.19	794.5354554	-0.60806	0.339182	-1.79272	0.073018
ENSG00000100348.10	795.0765986	0.032138	0.32501	0.098882	0.921232
ENSG00000197226.12	795.092354	0.087071	0.34421	0.252959	0.8003
ENSG00000054282.16	795.1385877	-0.19299	0.337365	-0.57205	0.567291
ENSG00000164902.14	795.9836455	-0.54482	0.355399	-1.53297	0.125282
ENSG00000258289.8	796.2686857	-0.01032	0.335293	-0.03076	0.975457
ENSG00000114956.20	796.4326453	-0.27888	0.342431	-0.8144	0.415414
ENSG00000224078.15	796.9281213	0.211247	0.329383	0.641341	0.521301
ENSG00000141002.20	797.1975379	0.4385	0.376893	1.163459	0.244643
ENSG00000109519.13	797.6198968	-0.49347	0.340891	-1.44759	0.147731
ENSG00000126214.21	797.9091576	0.321769	0.329069	0.977817	0.328165
ENSG00000115839.18	797.9928036	-0.45789	0.330802	-1.38419	0.1663
ENSG00000187118.14	798.0331137	-0.326	0.325811	-1.00057	0.317036
ENSG00000084090.13	798.9633559	-0.22225	0.322924	-0.68826	0.491291
ENSG00000015171.20	799.0321537	-0.62137	0.352037	-1.76507	0.077552
ENSG00000115884.11	799.1165309	-0.27108	0.331146	-0.81861	0.41301
ENSG00000172954.14	799.11894	-0.74642	0.45456	-1.64207	0.100575
ENSG00000167699.13	799.253033	-0.18655	0.349309	-0.53405	0.593307
ENSG00000183963.18	799.592099	1.051287	0.418863	2.509862	0.012078
ENSG00000122729.19	800.2670644	-0.32663	0.397196	-0.82234	0.410885
ENSG00000090581.10	800.3305477	-0.29467	0.3401	-0.86642	0.386262
ENSG00000170919.16	800.3833756	-0.26771	0.335588	-0.79774	0.42502
ENSG00000138685.16	800.5039696	0.309521	0.358175	0.864162	0.387499
ENSG00000143155.13	801.2489096	-0.53476	0.337283	-1.58549	0.112856
ENSG00000099203.7	801.2893368	-0.43269	0.366611	-1.18023	0.237908
ENSG00000123200.16	801.3488157	-0.51679	0.343871	-1.50287	0.132872
ENSG00000111142.14	801.6146657	0.414166	0.332547	1.245435	0.212972
ENSG00000136051.15	801.754878	-0.21752	0.330498	-0.65817	0.51043
ENSG00000164300.17	802.2612449	-0.56432	0.36153	-1.56093	0.118541
ENSG00000126247.11	802.4445895	0.81217	0.375615	2.162242	0.0306
ENSG00000111361.13	802.5516596	-0.46387	0.401975	-1.15399	0.248506
ENSG00000186635.14	802.6934532	0.124924	0.332599	0.3756	0.707215
ENSG00000166734.20	802.8762475	-0.55171	0.343553	-1.60589	0.108298
ENSG00000152894.14	802.9277785	-0.0754	0.322508	-0.23381	0.815134
ENSG00000152601.17	802.9324576	-0.15062	0.336721	-0.44732	0.654644
ENSG00000242616.4	803.0922509	-0.42326	0.365504	-1.15802	0.246856
ENSG00000166797.11	803.986328	-0.43426	0.325807	-1.33289	0.182568
ENSG00000205220.12	804.1291623	-0.09808	0.32533	-0.30149	0.763039
ENSG00000155876.6	804.5158942	0.010599	0.467978	0.022648	0.981931

ENSG00000066044.15	804.6398229	0.006805	0.427891	0.015903	0.987312
ENSG00000070159.14	804.7587973	-0.76558	0.391832	-1.95384	0.05072
ENSG000000126773.13	804.7611745	-0.61699	0.360762	-1.71023	0.087223
ENSG000000222041.11	805.3103794	0.410204	0.323591	1.267663	0.204918
ENSG000000113851.14	805.3639113	-0.61477	0.351477	-1.7491	0.080273
ENSG000000124201.15	805.7253367	-0.4738	0.323198	-1.46599	0.142652
ENSG000000106460.19	805.8961337	-0.96569	0.357548	-2.70088	0.006916
ENSG000000106554.13	806.0543696	-0.39838	0.352936	-1.12877	0.258997
ENSG000000105968.19	806.6300979	0.01564	0.341453	0.045804	0.963467
ENSG000000204713.11	807.0824023	-0.14892	0.333378	-0.44671	0.655084
ENSG000000213782.7	807.2832525	-0.38046	0.407863	-0.93281	0.350919
ENSG000000110911.16	807.5581155	-0.30383	0.353151	-0.86033	0.389606
ENSG000000115977.19	807.6352863	0.918142	0.474553	1.934749	0.053021
ENSG000000198818.10	808.0687547	-0.48692	0.341025	-1.42781	0.153347
ENSG000000106392.11	808.7806573	-0.63457	0.415893	-1.52579	0.127062
ENSG000000100522.10	808.8378194	-0.40773	0.363515	-1.12162	0.262023
ENSG000000169217.9	808.9685068	-0.27112	0.353969	-0.76595	0.443703
ENSG000000165272.16	809.2744659	-0.59796	0.425119	-1.40658	0.159552
ENSG000000143294.15	811.0017845	-0.25516	0.329849	-0.77357	0.439187
ENSG000000109270.13	811.0362386	-0.42458	0.334683	-1.26861	0.204581
ENSG000000147852.16	811.1058633	-0.52004	0.344599	-1.50912	0.131267
ENSG000000004700.16	811.2664085	-0.495	0.338134	-1.46393	0.143213
ENSG000000106258.15	811.4167767	-0.47394	0.330355	-1.43463	0.151393
ENSG000000274070.2	811.6504315	-0.2677	0.419962	-0.63745	0.523835
ENSG000000062650.19	811.8033582	0.252666	0.393276	0.642463	0.520573
ENSG000000114857.18	812.179427	-0.7982	0.370236	-2.15591	0.03109
ENSG000000069345.12	812.655102	-0.14326	0.328212	-0.4365	0.662475
ENSG000000080815.19	813.1985627	-0.96948	0.362553	-2.67403	0.007495
ENSG000000104164.12	813.3728751	-0.10016	0.340011	-0.29458	0.768313
ENSG000000164070.12	813.5257664	-0.57471	0.387597	-1.48275	0.138142
ENSG000000211456.13	813.5515167	-0.74297	0.399914	-1.85783	0.063193
ENSG000000117362.13	813.5670747	-0.34988	0.385403	-0.90784	0.363963
ENSG00000010270.13	813.6808329	-0.40382	0.349029	-1.15699	0.247277
ENSG000000105443.15	813.9042741	-0.30279	0.334029	-0.90649	0.364676
ENSG000000085831.15	815.0484776	-0.77805	0.411088	-1.89265	0.058404
ENSG000000137207.12	815.1800479	-0.24442	0.347454	-0.70347	0.481766
ENSG000000111802.14	815.5725794	-0.33161	0.369928	-0.89641	0.370035
ENSG000000076053.11	815.701504	-0.92388	0.398196	-2.32016	0.020332
ENSG000000178695.6	816.017781	0.84403	0.531871	1.586907	0.112534
ENSG000000188554.15	816.3713975	-0.11187	0.341368	-0.32772	0.743122
ENSG000000116133.13	816.7888587	-0.33425	0.432863	-0.77219	0.439999
ENSG000000168214.20	817.0013847	-0.20757	0.337082	-0.61579	0.53803
ENSG000000100823.12	817.2713326	0.012214	0.336327	0.036316	0.971031
ENSG000000124171.9	817.7145244	-0.50553	0.358564	-1.40988	0.158576
ENSG000000109501.14	817.7392998	-0.44912	0.349725	-1.2842	0.199072
ENSG000000173545.5	817.7834404	-0.27574	0.332469	-0.82937	0.406896
ENSG000000181458.10	817.8790331	-0.36357	0.356649	-1.01939	0.308017
ENSG000000102317.18	818.1314661	-0.15105	0.333483	-0.45295	0.650587
ENSG000000111843.14	818.9798161	-0.288	0.341916	-0.84231	0.399614
ENSG000000158062.20	820.2220456	-0.06829	0.33945	-0.20118	0.840557
ENSG000000114125.14	820.3536293	-0.05443	0.345822	-0.1574	0.874933
ENSG000000114520.11	820.4483875	-0.74766	0.345593	-2.16342	0.030509

ENSG00000113384.14	821.0500418	0.108653	0.351265	0.309319	0.757079
ENSG00000163041.12	821.7368653	0.471532	0.325018	1.45079	0.146838
ENSG00000136960.13	822.0247833	-1.04673	0.433745	-2.41324	0.015811
ENSG00000116539.13	822.5248643	-0.74868	0.344958	-2.17036	0.02998
ENSG00000138443.17	823.4471205	-0.58572	0.426333	-1.37385	0.169488
ENSG00000108848.16	823.4722612	-0.12755	0.325622	-0.39172	0.695262
ENSG00000101856.10	823.7248204	-0.21729	0.358612	-0.60591	0.544574
ENSG00000103194.16	824.0604028	-0.31746	0.339591	-0.93482	0.349879
ENSG00000111752.11	824.0612041	-0.2399	0.330211	-0.7265	0.467531
ENSG00000115286.20	824.2640566	0.051471	0.329772	0.156081	0.875969
ENSG00000151012.13	824.3495887	-0.11405	0.370109	-0.30816	0.757963
ENSG00000163319.11	824.5536534	0.175098	0.344802	0.507823	0.611578
ENSG00000152102.18	824.5951666	-0.09922	0.321875	-0.30826	0.757885
ENSG00000145016.16	824.9367208	-0.22349	0.355934	-0.6279	0.530069
ENSG00000072958.9	825.0092693	-0.38667	0.398332	-0.97073	0.331681
ENSG00000101337.16	825.0093216	-0.39672	0.333256	-1.19045	0.233871
ENSG00000140995.16	825.1159396	-0.11194	0.334835	-0.33432	0.738135
ENSG00000152104.12	825.3372433	-0.34994	0.379109	-0.92305	0.35598
ENSG00000036054.13	825.3980699	-0.52348	0.398449	-1.31381	0.188911
ENSG00000107281.10	825.5466982	-0.06268	0.35609	-0.17603	0.860271
ENSG00000025772.8	825.6832052	-0.24814	0.342696	-0.72409	0.469012
ENSG00000105974.12	826.2505967	0.094879	0.371945	0.255089	0.798654
ENSG00000005884.18	826.2595664	0.465265	0.335005	1.388828	0.164885
ENSG00000143337.18	826.4077948	-0.70157	0.36261	-1.93479	0.053016
ENSG00000164951.16	826.4411284	-0.32853	0.405213	-0.81076	0.417505
ENSG00000166147.14	826.6602396	0.008978	0.360642	0.024895	0.980138
ENSG00000166444.19	826.8497654	0.053032	0.32654	0.162405	0.870987
ENSG00000112701.18	827.2746291	-0.53276	0.324444	-1.64206	0.100578
ENSG00000214160.10	827.2969344	-0.32953	0.354854	-0.92864	0.353073
ENSG00000182180.14	827.4214992	-0.05852	0.327956	-0.17845	0.858368
ENSG00000133142.17	827.7581912	0.432984	0.434281	0.997014	0.318758
ENSG00000158526.8	828.0207235	-0.02804	0.366645	-0.07649	0.939033
ENSG00000091136.14	828.0975529	0.343238	0.325486	1.05454	0.291636
ENSG00000164609.10	828.4699057	-0.55693	0.368728	-1.51041	0.13094
ENSG00000147955.17	828.8629567	-0.42331	0.406532	-1.04128	0.297748
ENSG00000148943.12	828.9118446	-0.61901	0.370544	-1.67053	0.094814
ENSG00000214253.9	829.6526595	0.455201	0.350359	1.29924	0.193861
ENSG00000147996.16	830.2191123	-0.18104	0.343897	-0.52643	0.598589
ENSG00000131435.13	831.2003039	-0.52991	0.401589	-1.31954	0.186989
ENSG00000102189.17	831.243069	-0.48966	0.351967	-1.39121	0.164161
ENSG00000128245.15	831.7276255	0.520575	0.344671	1.510352	0.130954
ENSG00000174574.16	832.6431719	-0.39813	0.342146	-1.16362	0.244577
ENSG00000122482.21	832.7496733	-0.61311	0.348	-1.76181	0.078102
ENSG00000100325.15	833.2587743	-0.1988	0.332416	-0.59803	0.549817
ENSG00000197885.11	833.8680998	-0.3398	0.343212	-0.99005	0.322149
ENSG00000185475.11	834.1239636	-0.39823	0.370717	-1.07423	0.28272
ENSG00000188021.9	834.3786796	-0.10442	0.542178	-0.19259	0.84728
ENSG00000186577.14	835.5735103	-0.83241	0.409586	-2.03232	0.042121
ENSG00000167191.12	835.7736824	0.130115	0.43321	0.300351	0.763909
ENSG00000085231.14	835.7872735	-0.3043	0.328676	-0.92584	0.35453
ENSG00000161547.17	835.9334377	0.259779	0.335246	0.77489	0.438405
ENSG00000083937.9	836.4327935	-0.57411	0.369993	-1.55167	0.120741

ENSG00000119725.20	836.6247064	-0.37416	0.321708	-1.16305	0.244811
ENSG00000100991.12	836.8813542	-0.24199	0.365787	-0.66157	0.508247
ENSG00000184281.15	837.4517684	0.414922	0.338462	1.225906	0.220234
ENSG00000130724.9	838.2498313	-0.06409	0.332944	-0.1925	0.847353
ENSG00000102931.8	838.423079	-0.733	0.379121	-1.93342	0.053184
ENSG00000204356.14	838.4911581	0.171549	0.335346	0.511559	0.608959
ENSG00000171735.19	838.5055974	0.076627	0.389322	0.196821	0.843967
ENSG00000076944.16	838.6695311	0.089558	0.32925	0.272006	0.785617
ENSG00000196199.14	838.6758424	0.026381	0.351712	0.075007	0.94021
ENSG00000115084.15	839.4051141	-0.6183	0.381348	-1.62134	0.104944
ENSG00000131174.7	839.8582212	0.220289	0.322557	0.682947	0.49464
ENSG00000179335.18	840.0172427	-0.17783	0.35059	-0.50723	0.61199
ENSG00000105583.11	840.1457746	-0.17235	0.354256	-0.48651	0.626602
ENSG00000134202.11	840.188834	-0.49741	0.398906	-1.24692	0.212426
ENSG00000080608.10	840.3215056	-0.10521	0.326263	-0.32247	0.747099
ENSG00000196352.16	841.0005974	-0.50618	0.388389	-1.30329	0.192476
ENSG00000109390.13	841.1508182	0.172022	0.324262	0.530503	0.595763
ENSG00000213347.10	841.383403	0.10462	0.336062	0.311312	0.755563
ENSG00000102038.16	841.559596	-0.57847	0.419044	-1.38044	0.167451
ENSG00000014824.14	842.2673874	-1.04894	0.386715	-2.71245	0.006679
ENSG00000132432.14	842.3116554	0.408301	0.323646	1.261565	0.207105
ENSG00000083896.13	842.7515036	0.163703	0.435662	0.375757	0.707098
ENSG00000213965.3	843.0715458	-0.39055	0.459101	-0.85069	0.394942
ENSG00000186469.8	843.3530212	-0.76763	0.376268	-2.04012	0.041338
ENSG00000116237.16	843.5675816	-0.62468	0.336253	-1.85776	0.063204
ENSG00000134291.12	844.5677062	-0.37188	0.350297	-1.06162	0.288407
ENSG00000153071.15	845.2309378	0.244169	0.343357	0.711124	0.477008
ENSG00000115685.15	845.4068959	-0.25875	0.367729	-0.70364	0.481655
ENSG00000164062.13	845.8069962	-0.14388	0.390363	-0.36858	0.712442
ENSG00000033627.17	845.961161	0.106269	0.332823	0.319297	0.749502
ENSG00000151552.12	846.0829291	-0.2895	0.393127	-0.73641	0.461479
ENSG00000101161.8	846.2110223	-0.04984	0.329677	-0.15117	0.879841
ENSG00000253738.2	846.5084117	0.086981	0.324734	0.267854	0.788812
ENSG00000113758.13	846.7406007	0.016904	0.38015	0.044468	0.964531
ENSG00000149932.17	847.6613597	-0.1138	0.328506	-0.34642	0.729027
ENSG00000086232.13	847.880163	-0.32986	0.332606	-0.99175	0.32132
ENSG00000138398.16	847.9282307	-0.34624	0.332514	-1.04128	0.297745
ENSG00000109079.10	848.0604897	-0.45855	0.3488	-1.31466	0.188625
ENSG00000178104.19	848.5275684	-0.1177	0.331929	-0.35461	0.722884
ENSG00000154277.13	848.5514136	-0.11442	0.367464	-0.31137	0.755521
ENSG00000136908.18	848.6815301	0.109228	0.341416	0.319926	0.749025
ENSG00000178467.18	848.6901933	-0.05717	0.398386	-0.14351	0.885884
ENSG00000136193.17	849.766543	-0.26217	0.332555	-0.78836	0.430484
ENSG00000135541.21	850.0626117	-0.55617	0.427677	-1.30044	0.19345
ENSG00000165516.11	850.083815	-0.74476	0.416642	-1.78753	0.073852
ENSG00000115128.7	850.3769145	-0.07156	0.325685	-0.21972	0.826092
ENSG00000168710.18	850.3792908	0.398586	0.327357	1.217586	0.223381
ENSG00000164896.20	850.4882718	-0.10868	0.322774	-0.33672	0.736331
ENSG00000157538.14	850.8058887	-0.33829	0.35244	-0.95985	0.337132
ENSG00000005194.15	851.5569578	-0.34221	0.3783	-0.9046	0.365678
ENSG00000183207.14	851.7688153	0.025687	0.320288	0.0802	0.936079
ENSG00000148331.12	852.709416	0.096812	0.333574	0.290227	0.771643

ENSG00000136802.12	852.7548982	0.219048	0.395406	0.553982	0.579591
ENSG00000164176.13	852.8445494	-0.93443	0.512674	-1.82265	0.068356
ENSG00000111790.14	852.9533366	-0.34499	0.330212	-1.04476	0.296133
ENSG00000127990.19	853.1440658	-0.23076	0.367349	-0.62818	0.529885
ENSG00000185658.13	853.6059202	-0.79592	0.348212	-2.28572	0.02227
ENSG00000156735.11	854.6396654	-0.72454	0.440465	-1.64495	0.09998
ENSG00000153922.11	854.8108187	0.130286	0.331243	0.393324	0.69408
ENSG00000101773.19	854.8854226	-0.53287	0.341872	-1.55868	0.119072
ENSG00000126267.11	855.0323168	0.088004	0.369957	0.237877	0.811976
ENSG00000163874.11	855.2696846	0.140235	0.35321	0.39703	0.691345
ENSG00000180370.10	855.4260511	-0.21214	0.333655	-0.63582	0.524896
ENSG00000178982.10	855.8805915	0.165861	0.323386	0.512888	0.60803
ENSG00000177189.14	856.3345724	-0.43229	0.3444	-1.25521	0.209403
ENSG00000001626.16	856.9369677	-0.7496	0.549724	-1.36359	0.172697
ENSG00000110651.12	857.4924638	0.830696	0.427526	1.943032	0.052012
ENSG00000048649.13	857.8117556	-0.24056	0.356467	-0.67484	0.499776
ENSG00000001461.17	858.4126054	-0.32746	0.330174	-0.99179	0.321301
ENSG00000172354.10	858.5189049	0.654855	0.339792	1.927225	0.053952
ENSG00000152137.8	858.5268367	-0.52414	0.352319	-1.48769	0.136833
ENSG00000106261.17	858.7218532	0.182957	0.32693	0.559622	0.575737
ENSG00000136709.12	858.9399857	-1.07556	0.378537	-2.84136	0.004492
ENSG00000109920.13	859.0522091	-0.38119	0.331024	-1.15156	0.249502
ENSG00000131165.16	859.2325326	-0.08416	0.330025	-0.25501	0.798716
ENSG00000136536.15	859.4575467	-0.59242	0.377262	-1.57031	0.116344
ENSG00000105700.11	859.5019336	-0.1871	0.339073	-0.55181	0.581081
ENSG00000122203.15	859.8714558	-0.5061	0.337066	-1.5015	0.133227
ENSG00000162191.14	860.0268664	0.250049	0.362246	0.690273	0.490023
ENSG00000130396.20	861.1597879	0.579691	0.412313	1.405947	0.15974
ENSG00000172500.13	861.7620511	-0.19721	0.33172	-0.59452	0.552165
ENSG00000109171.15	862.4446699	-0.57373	0.4699	-1.22096	0.2221
ENSG00000105887.11	862.4954162	-0.04574	0.335016	-0.13652	0.891412
ENSG00000117758.14	862.8960697	-0.33195	0.350065	-0.94826	0.342999
ENSG00000162236.12	863.7121814	-0.29033	0.338738	-0.85709	0.391396
ENSG00000099795.7	863.9795181	0.250983	0.324942	0.772395	0.439881
ENSG00000120697.9	864.3903842	-0.56374	0.32782	-1.71966	0.085495
ENSG00000150787.8	864.7464209	0.009088	0.402345	0.022587	0.98198
ENSG00000147548.17	864.9205427	-0.49155	0.342161	-1.43661	0.150828
ENSG00000129235.11	865.0597479	0.071959	0.324927	0.221461	0.824734
ENSG00000171302.17	865.5751163	0.123492	0.344953	0.357997	0.720346
ENSG00000111859.17	866.110809	-0.44473	0.351851	-1.26398	0.206237
ENSG00000142546.14	866.1978951	-0.54956	0.427105	-1.28672	0.198193
ENSG00000168701.19	866.5871944	0.01837	0.320736	0.057275	0.954326
ENSG00000057663.16	867.0449678	-0.72736	0.385188	-1.88832	0.058984
ENSG00000198060.10	867.2761512	-0.59753	0.347126	-1.72136	0.085185
ENSG00000110841.14	867.3689346	-0.36391	0.325243	-1.11889	0.263187
ENSG00000107771.17	867.5000692	-0.61513	0.34731	-1.77114	0.076538
ENSG00000117906.14	867.5043035	-0.37311	0.36703	-1.01657	0.309356
ENSG00000142867.14	867.7801405	-0.44805	0.320853	-1.39645	0.162579
ENSG00000102934.10	867.8537404	-0.69328	0.362897	-1.9104	0.056082
ENSG00000217555.13	868.6335492	0.151821	0.322091	0.471359	0.637384
ENSG00000103342.13	868.742736	0.387576	0.327588	1.183122	0.236761
ENSG00000175203.16	869.066253	-0.22092	0.338121	-0.65337	0.51352

ENSG00000139726.11	869.7397127	-0.19586	0.337325	-0.58063	0.561492
ENSG00000198408.14	870.5996495	-0.1287	0.335272	-0.38386	0.701083
ENSG00000217128.12	870.7682243	-0.273	0.339857	-0.80329	0.421809
ENSG00000269858.6	870.9535008	-0.16278	0.398565	-0.40841	0.682973
ENSG00000115009.13	871.3928537	0.214769	0.338445	0.634576	0.525705
ENSG00000156110.14	871.7276555	-0.21148	0.330678	-0.63953	0.522477
ENSG00000110536.14	871.87265	0.028726	0.354068	0.081131	0.935338
ENSG00000178057.15	872.3396945	-0.14918	0.330283	-0.45166	0.651511
ENSG00000151491.14	872.6807962	-0.5212	0.340562	-1.53042	0.125912
ENSG00000133030.22	872.7640957	0.895034	0.373289	2.3977	0.016498
ENSG00000111678.11	873.1997826	0.031823	0.338738	0.093946	0.925152
ENSG00000131459.13	873.2172995	0.103512	0.359053	0.288292	0.773123
ENSG00000060237.18	873.7864552	0.357384	0.378118	0.945167	0.344574
ENSG00000117614.10	874.2048438	0.132715	0.356225	0.372559	0.709477
ENSG00000075790.11	874.4005928	-0.74211	0.419764	-1.76792	0.077075
ENSG00000178035.12	874.6257556	0.016522	0.323756	0.051033	0.959299
ENSG00000157637.13	874.7248659	0.248937	0.405868	0.613344	0.539649
ENSG00000198721.12	875.4278725	-0.26778	0.37206	-0.71971	0.471701
ENSG00000198918.8	875.822227	0.649591	0.448526	1.448281	0.147539
ENSG00000118482.12	875.8524664	-0.32253	0.368632	-0.87492	0.381615
ENSG00000147677.11	876.4574399	-0.11399	0.348975	-0.32664	0.74394
ENSG00000198952.8	876.4641567	-0.02258	0.38789	-0.0582	0.953587
ENSG00000102572.14	876.5677768	0.234708	0.357285	0.656922	0.511231
ENSG00000142186.17	877.2616256	0.161465	0.335126	0.481803	0.629946
ENSG00000143222.12	877.5321086	-0.39004	0.335163	-1.16373	0.244535
ENSG00000132424.16	877.74639	-0.00411	0.334474	-0.01227	0.990207
ENSG00000043093.15	877.9057806	-0.54541	0.373689	-1.45952	0.144422
ENSG00000134419.15	878.0623787	0.327871	0.379709	0.863481	0.387873
ENSG00000108861.9	878.5880278	-0.29332	0.349444	-0.8394	0.401243
ENSG00000168906.13	878.6924685	0.024091	0.361516	0.06664	0.946868
ENSG00000117394.24	879.2146485	-0.84604	0.38762	-2.18264	0.029062
ENSG00000166579.16	879.362589	-0.6239	0.374301	-1.66684	0.095545
ENSG00000123636.18	879.5076433	-0.30869	0.339074	-0.91039	0.362618
ENSG00000129003.19	880.2498426	-0.334	0.396877	-0.84158	0.400025
ENSG00000175387.16	880.3546353	-0.71927	0.33281	-2.16122	0.030679
ENSG00000113580.15	880.6700093	-0.14021	0.333489	-0.42044	0.674161
ENSG00000152332.16	880.8595875	-0.84088	0.394643	-2.13073	0.033111
ENSG00000148175.13	881.1760741	-0.42376	0.329787	-1.28494	0.198812
ENSG00000213626.13	882.347808	-0.79767	0.405639	-1.96645	0.049246
ENSG00000100647.8	882.5717946	-0.65485	0.337826	-1.93841	0.052573
ENSG00000136950.13	882.6474774	0.258135	0.342879	0.752844	0.451544
ENSG00000103018.17	882.9445583	-0.66856	0.413595	-1.61646	0.105994
ENSG00000184216.14	883.3749165	0.707231	0.338016	2.092302	0.036412
ENSG00000183172.9	883.6760674	0.073365	0.368815	0.198921	0.842325
ENSG00000161921.16	883.9200929	-0.35407	0.418605	-0.84583	0.397646
ENSG00000143321.19	883.9609091	0.58483	0.337817	1.731202	0.083416
ENSG00000075292.19	885.3266684	-0.6639	0.335597	-1.97826	0.0479
ENSG00000166848.7	885.3824012	0.363073	0.350042	1.037228	0.29963
ENSG00000110172.12	885.4362272	-0.38151	0.330565	-1.15412	0.24845
ENSG00000110801.14	885.9854596	-0.00988	0.328118	-0.0301	0.975984
ENSG00000144895.12	885.9857163	-0.38512	0.358413	-1.07452	0.282592
ENSG00000073712.15	886.5524518	0.367777	0.328132	1.120819	0.262365

ENSG00000132388.12	886.7925074	-0.65267	0.341576	-1.91075	0.056037
ENSG00000133884.10	886.9634123	-0.64879	0.356923	-1.81774	0.069104
ENSG00000100997.20	887.24405	0.090574	0.383158	0.236388	0.813132
ENSG00000115758.13	887.5442913	0.628247	0.400124	1.57013	0.116385
ENSG00000127481.15	887.5992965	0.037625	0.334463	0.112495	0.910431
ENSG00000102241.12	887.8134894	-0.38889	0.372015	-1.04536	0.295856
ENSG00000167645.17	887.9505152	-0.28149	0.357568	-0.78723	0.431148
ENSG00000134330.19	888.4820817	-0.11443	0.338128	-0.33843	0.735038
ENSG00000169439.12	888.5330734	-0.39096	0.402419	-0.97151	0.331293
ENSG00000114115.10	889.1216311	-0.17881	0.32509	-0.55002	0.582304
ENSG00000048544.6	889.3033374	-0.33173	0.34565	-0.95974	0.337188
ENSG00000165219.22	889.609382	0.172408	0.365607	0.471566	0.637236
ENSG00000115446.12	890.3287771	-0.37638	0.32766	-1.14868	0.250689
ENSG00000114062.22	891.0244923	0.398937	0.328736	1.213547	0.224921
ENSG00000197548.12	891.3057978	0.024025	0.330977	0.072588	0.942134
ENSG00000172348.14	891.3925511	-0.53719	0.409599	-1.3115	0.189689
ENSG00000147526.20	891.4149401	0.427486	0.345094	1.238752	0.215437
ENSG00000124486.13	891.4404216	-0.39224	0.325253	-1.20595	0.227835
ENSG00000272540.1	891.686981	-0.00998	0.440356	-0.02267	0.981916
ENSG00000176840.12	891.7527914	-1.15081	0.443906	-2.59246	0.009529
ENSG00000108107.15	891.8584837	0.814102	0.462978	1.758402	0.078679
ENSG00000096063.16	892.1753295	-0.23438	0.328433	-0.71363	0.475453
ENSG00000065427.15	892.5450299	0.019218	0.320181	0.060023	0.952137
ENSG00000173221.14	892.8567966	-0.41285	0.420634	-0.98149	0.326352
ENSG00000124243.17	893.8191997	-0.20396	0.35355	-0.5769	0.564005
ENSG00000120889.13	893.8241382	-0.42995	0.349194	-1.23125	0.218228
ENSG00000108582.12	894.053126	-0.59136	0.321468	-1.83957	0.065831
ENSG00000048392.12	894.553913	-0.70805	0.342276	-2.06866	0.038578
ENSG00000162892.16	894.6710232	0.431529	0.415509	1.038553	0.299013
ENSG00000092969.12	894.7942252	-0.46882	0.362213	-1.29431	0.195559
ENSG00000068366.20	895.4941544	0.135628	0.349593	0.38796	0.698046
ENSG00000052344.16	895.6026034	-0.11755	0.3249	-0.36181	0.717491
ENSG00000225663.8	895.7177859	0.107159	0.328313	0.326393	0.744127
ENSG00000187079.19	896.1215922	0.047449	0.321432	0.147619	0.882643
ENSG00000160679.13	896.9483959	-0.06989	0.348299	-0.20066	0.840962
ENSG00000106799.13	897.0740149	-0.78607	0.433957	-1.81141	0.070078
ENSG00000035403.18	898.2862669	0.276659	0.441457	0.626695	0.530859
ENSG00000182473.22	898.4100056	0.133899	0.352275	0.380099	0.703872
ENSG00000135002.12	898.7392579	-0.50675	0.363169	-1.39535	0.16291
ENSG00000011007.12	898.8539891	-0.1396	0.325018	-0.42951	0.667551
ENSG00000163848.20	899.514434	-0.6611	0.399502	-1.6548	0.097965
ENSG00000185728.17	899.5834674	-0.5749	0.332651	-1.72823	0.083946
ENSG00000116791.14	899.6180905	-0.45693	0.40257	-1.13502	0.256366
ENSG00000243449.6	900.0559486	0.477177	0.345189	1.382364	0.16686
ENSG00000156411.10	901.4772489	0.244791	0.328252	0.745741	0.455824
ENSG00000064393.16	901.9593607	-0.64487	0.353615	-1.82366	0.068203
ENSG00000147224.13	902.0109776	-0.07108	0.338006	-0.2103	0.833435
ENSG00000119541.10	902.1994476	-0.21825	0.321888	-0.67802	0.497759
ENSG00000160213.9	902.579636	-0.28734	0.342604	-0.83869	0.401641
ENSG00000153214.11	903.0900642	-0.59515	0.362394	-1.64228	0.100533
ENSG00000117595.12	903.2279809	-0.50316	0.353789	-1.4222	0.154969
ENSG00000013374.16	903.6120932	-0.26318	0.318827	-0.82545	0.409117

ENSG00000124659.7	904.1049132	-0.12983	0.357604	-0.36306	0.71656
ENSG00000161526.15	904.1456563	-0.03532	0.323349	-0.10924	0.913015
ENSG00000177733.7	904.169353	0.223018	0.442949	0.503484	0.614624
ENSG00000160932.11	904.3906521	-0.4689	0.336336	-1.39413	0.163278
ENSG00000130726.12	904.669023	0.738221	0.368301	2.004397	0.045028
ENSG00000080845.17	904.6849943	-0.07864	0.325057	-0.24192	0.808843
ENSG00000079805.17	904.9752667	0.00096	0.332459	0.002888	0.997696
ENSG00000132466.19	905.2074984	0.143995	0.331617	0.434219	0.664129
ENSG00000065268.11	905.485039	-0.07319	0.332003	-0.22046	0.825514
ENSG00000015475.19	906.7644192	-0.38436	0.357534	-1.07503	0.282359
ENSG00000153561.13	906.981916	-0.97911	0.328838	-2.97747	0.002906
ENSG00000096746.17	907.0510591	-0.14777	0.322164	-0.45867	0.646474
ENSG00000135525.18	907.3589758	-0.56247	0.354691	-1.5858	0.112785
ENSG00000002330.14	907.3935166	-0.0767	0.321975	-0.23821	0.811722
ENSG00000153989.8	908.2859873	0.015557	0.379714	0.040971	0.967319
ENSG00000173258.13	908.6811129	-0.24461	0.389209	-0.62847	0.529697
ENSG00000132153.15	908.7866084	0.013361	0.339569	0.039348	0.968613
ENSG00000163545.11	909.6978475	-0.37992	0.335142	-1.13362	0.256954
ENSG00000198900.6	909.7337039	0.352816	0.348124	1.013476	0.310833
ENSG00000145050.19	909.8981102	0.507007	0.403062	1.257887	0.208433
ENSG00000135778.12	910.2309251	-0.76535	0.341386	-2.24189	0.024968
ENSG00000141279.16	910.4387096	0.124505	0.326481	0.381355	0.70294
ENSG00000171222.10	910.4795612	0.236576	0.319346	0.740814	0.458806
ENSG00000143702.16	910.8675925	-0.2683	0.36633	-0.7324	0.463927
ENSG00000110429.14	912.395674	-0.7465	0.379918	-1.9649	0.049425
ENSG00000242265.5	912.4724411	1.102458	0.362816	3.038611	0.002377
ENSG00000127328.22	912.6722918	-0.56811	0.355097	-1.59986	0.109629
ENSG00000138592.14	912.9512471	-0.47761	0.322321	-1.4818	0.138394
ENSG00000124207.17	912.9592377	-0.02476	0.360154	-0.06875	0.945189
ENSG00000153201.16	912.9796086	-0.01752	0.32664	-0.05364	0.957218
ENSG00000131653.13	913.079545	-0.22402	0.35133	-0.63762	0.523719
ENSG00000092203.15	913.1427889	0.127359	0.365265	0.348675	0.727333
ENSG00000108344.15	914.713854	-0.06343	0.353641	-0.17937	0.857647
ENSG00000095139.14	915.7214277	-0.15924	0.33247	-0.47896	0.631966
ENSG00000167775.11	916.0374895	-0.15422	0.320885	-0.48061	0.630791
ENSG00000137962.13	916.5432812	-0.34492	0.360008	-0.95808	0.338022
ENSG00000126602.11	916.6446559	0.012178	0.321286	0.037902	0.969765
ENSG00000174231.17	916.9535931	0.494065	0.332268	1.486947	0.137029
ENSG00000135241.17	917.1635575	-0.57228	0.342895	-1.66896	0.095124
ENSG00000113552.16	917.4343882	-0.54995	0.356963	-1.54063	0.123406
ENSG00000170860.4	917.7916162	-0.1577	0.335116	-0.47057	0.637947
ENSG00000137731.14	917.9368536	-0.67248	0.377561	-1.78111	0.074894
ENSG00000154144.13	918.1748537	-0.12334	0.388956	-0.31712	0.751154
ENSG00000101557.15	918.2832103	-0.37219	0.361528	-1.0295	0.303244
ENSG00000117640.18	918.3959128	-0.32162	0.351601	-0.91472	0.360339
ENSG00000155097.12	918.4681218	-0.65277	0.333619	-1.95662	0.050392
ENSG00000154734.15	920.2416242	0.373255	0.335899	1.111213	0.266477
ENSG00000095066.11	921.607728	-0.42131	0.324893	-1.29676	0.194714
ENSG00000087274.17	921.7347461	0.521132	0.373044	1.39697	0.162423
ENSG00000167553.16	921.970704	0.292376	0.354801	0.824054	0.409909
ENSG00000145284.12	922.3088597	-0.51844	0.338954	-1.52953	0.126133
ENSG00000125826.21	922.6725335	0.011452	0.321238	0.03565	0.971561

ENSG00000089159.16	923.128679	-0.28585	0.339706	-0.84147	0.400085
ENSG00000169895.6	923.4894713	0.375147	0.334101	1.122856	0.261499
ENSG00000129055.12	923.7418138	0.101187	0.359844	0.281198	0.778559
ENSG00000138207.14	924.0942009	-1.50354	0.509617	-2.95033	0.003174
ENSG00000137831.15	924.7522641	-0.75633	0.385068	-1.96415	0.049513
ENSG00000131462.8	924.9482309	-0.20657	0.429724	-0.4807	0.630727
ENSG00000127184.13	925.511726	0.181399	0.326142	0.556196	0.578077
ENSG00000183520.12	925.6388471	-0.08912	0.332084	-0.26837	0.788418
ENSG00000172775.17	925.9476879	-0.31105	0.334868	-0.92888	0.352953
ENSG00000108342.13	926.0821046	1.91773	1.284266	1.49325	0.135372
ENSG00000100413.17	926.366547	-0.11847	0.321213	-0.36881	0.71227
ENSG00000153048.11	926.4114602	-0.43388	0.334556	-1.29688	0.194673
ENSG00000170502.13	927.0710841	-0.63505	0.35991	-1.76446	0.077655
ENSG00000144136.11	927.85977	-0.54031	0.359605	-1.5025	0.132967
ENSG00000144021.3	928.1116095	-0.37222	0.35182	-1.05798	0.290064
ENSG00000175426.11	928.2465905	-0.94906	0.485986	-1.95286	0.050836
ENSG00000099942.13	928.2669717	-0.1862	0.332034	-0.56078	0.574945
ENSG00000134453.16	928.7846573	-0.07322	0.320099	-0.22875	0.819067
ENSG00000166946.14	929.130444	-0.59637	0.353042	-1.68923	0.091175
ENSG00000092531.10	929.3339605	-0.4736	0.37405	-1.26615	0.20546
ENSG00000124214.19	930.5601794	-0.11775	0.335948	-0.3505	0.725965
ENSG00000166411.14	930.9870141	-0.40591	0.320164	-1.26782	0.204862
ENSG00000136143.16	931.0737522	-0.55175	0.406987	-1.35569	0.175197
ENSG00000119231.11	931.2463883	0.007371	0.340234	0.021665	0.982715
ENSG00000102225.16	931.9144844	-0.2142	0.378997	-0.56519	0.571947
ENSG00000099622.14	931.919155	-0.19411	0.356045	-0.54518	0.585627
ENSG00000140943.17	932.1653472	-0.24323	0.325449	-0.74737	0.454843
ENSG00000022277.13	932.2836537	-0.19079	0.333006	-0.57293	0.566693
ENSG00000159658.13	932.9176448	-0.67553	0.367035	-1.8405	0.065694
ENSG00000129824.16	933.2749248	0.258916	0.358048	0.723132	0.469599
ENSG00000165688.12	933.5029224	-0.13865	0.426825	-0.32484	0.7453
ENSG00000130826.18	933.5997334	-0.41433	0.32406	-1.27855	0.201055
ENSG00000196072.12	933.9373068	-0.54083	0.352004	-1.53644	0.124431
ENSG00000162613.17	934.2604033	0.231142	0.344209	0.671516	0.501892
ENSG00000112110.10	934.4182159	-0.26584	0.330486	-0.80439	0.42117
ENSG00000149187.18	934.5006504	0.080675	0.336516	0.239737	0.810534
ENSG00000151729.11	934.6668662	-0.26901	0.381005	-0.70605	0.480157
ENSG00000134109.11	935.2683054	-0.81012	0.347056	-2.33426	0.019582
ENSG00000136819.15	935.5516038	-0.20948	0.319411	-0.65583	0.511934
ENSG00000052841.15	936.0007688	-0.47905	0.33339	-1.43691	0.150743
ENSG00000102226.10	937.1502629	-0.26806	0.326495	-0.82104	0.411625
ENSG00000008283.16	937.3550013	-0.28025	0.347074	-0.80746	0.419403
ENSG00000129422.14	938.5907105	-0.65538	0.451672	-1.45101	0.146776
ENSG00000105518.14	939.5037339	-0.05827	0.325666	-0.17892	0.858
ENSG00000173821.19	939.7772254	-0.12372	0.363146	-0.34068	0.733342
ENSG00000164096.13	940.0207693	0.105888	0.415728	0.254705	0.798951
ENSG00000133193.12	940.2294029	0.107385	0.342985	0.31309	0.754212
ENSG00000143314.12	940.2459787	0.100224	0.318548	0.314629	0.753044
ENSG00000145782.13	940.7496634	-0.46174	0.393727	-1.17273	0.240904
ENSG00000106636.8	941.0726578	-0.14107	0.37767	-0.37354	0.708747
ENSG00000076604.15	941.1335597	-0.68098	0.358518	-1.89943	0.057508
ENSG00000178741.12	941.4368409	-0.22502	0.32537	-0.69159	0.489195

ENSG00000270629.6	941.5109456	0.301691	0.332373	0.907686	0.364044
ENSG00000122642.11	942.0304819	-0.09538	0.37628	-0.25348	0.799897
ENSG00000221978.12	942.2479646	-0.30474	0.452772	-0.67306	0.500911
ENSG00000101940.18	942.3442533	-0.07669	0.333755	-0.22978	0.818266
ENSG00000105939.13	942.4466917	-0.27458	0.385465	-0.71233	0.476263
ENSG00000182326.15	943.5691524	-0.16368	0.33881	-0.48309	0.629029
ENSG00000180304.14	943.8432572	-0.45581	0.32732	-1.39255	0.163757
ENSG00000163938.17	944.0765952	-0.50959	0.363206	-1.40302	0.16061
ENSG00000065518.8	944.0835018	-0.12092	0.325946	-0.37099	0.710648
ENSG00000074071.15	946.2360807	0.233156	0.335222	0.695527	0.486725
ENSG00000105401.9	946.4976906	0.29274	0.340445	0.859874	0.389859
ENSG00000234545.8	946.6144635	0.371191	0.373309	0.994327	0.320064
ENSG00000108433.17	946.8931357	-0.26953	0.318909	-0.84516	0.398019
ENSG00000117525.14	947.0762797	-0.15694	1.022104	-0.15355	0.877968
ENSG00000117385.16	947.2774069	-0.30463	0.319961	-0.95208	0.341055
ENSG00000119707.14	948.1306207	0.288117	0.326179	0.88331	0.377069
ENSG00000166295.9	948.1903175	-0.45346	0.346879	-1.30727	0.191121
ENSG00000135829.17	948.8221455	0.313292	0.324082	0.966707	0.33369
ENSG00000176340.4	948.9302702	0.137612	0.325753	0.422443	0.672702
ENSG00000134851.13	948.9306462	-0.14182	0.410452	-0.34553	0.729698
ENSG00000203667.10	949.2847221	0.458047	0.375811	1.218822	0.222912
ENSG00000128564.7	949.6810994	0.933842	0.319472	2.923085	0.003466
ENSG00000114353.17	949.7230951	0.711572	0.323059	2.202608	0.027622
ENSG00000128272.15	949.9819245	0.461595	0.369402	1.249576	0.211455
ENSG00000169727.12	950.613881	0.047194	0.346922	0.136035	0.891793
ENSG00000137288.10	950.8560483	0.126881	0.361558	0.350929	0.725642
ENSG00000177479.19	951.3133498	-0.46871	0.324452	-1.44463	0.148562
ENSG00000133789.15	952.3293622	-0.38368	0.371759	-1.03206	0.302044
ENSG00000156482.11	952.4428744	0.399289	0.373441	1.069216	0.284972
ENSG00000166471.11	953.0454322	-0.45019	0.369515	-1.21833	0.2231
ENSG00000136925.15	953.1981548	-0.32689	0.333754	-0.97944	0.327364
ENSG00000143106.13	953.2153927	-0.1896	0.328992	-0.57632	0.5644
ENSG00000113649.11	953.6693125	-0.42162	0.414221	-1.01786	0.308744
ENSG00000154518.9	953.834415	0.149379	0.324865	0.459818	0.645647
ENSG00000241878.11	954.515504	-0.33789	0.352006	-0.95991	0.337101
ENSG00000120756.13	954.6450259	-1.09524	0.419233	-2.61249	0.008988
ENSG00000160633.13	955.4583062	-0.02087	0.330945	-0.06306	0.949717
ENSG00000139433.11	955.5369851	-0.11533	0.399397	-0.28877	0.77276
ENSG00000073614.13	955.7137517	-0.01542	0.344165	-0.0448	0.964271
ENSG00000128524.5	956.424074	0.241582	0.367066	0.658145	0.510445
ENSG00000008513.16	956.5175775	-0.0739	0.330792	-0.22341	0.823218
ENSG00000273749.5	956.9563872	-0.1843	0.341103	-0.54032	0.588977
ENSG00000213625.9	957.0933778	-0.74869	0.451344	-1.65879	0.097158
ENSG00000134697.13	957.3887991	-0.23851	0.328312	-0.72647	0.467552
ENSG00000175224.16	957.417565	-0.36525	0.319006	-1.14496	0.252228
ENSG00000159199.14	957.4556712	0.391555	0.364924	1.072979	0.283281
ENSG00000159128.15	957.9209003	-0.41623	0.401046	-1.03787	0.299333
ENSG00000048828.17	958.0483769	0.592498	0.334159	1.773101	0.076212
ENSG00000109089.7	958.1845566	-0.13675	0.359661	-0.38023	0.703774
ENSG00000100412.16	958.6768592	-0.09519	0.322271	-0.29538	0.7677
ENSG00000114251.14	958.7137046	0.420634	0.407545	1.032118	0.302017
ENSG00000100280.16	958.7941082	0.127612	0.360484	0.354001	0.723338

ENSG00000058668.15	959.2223414	-0.25017	0.375856	-0.66561	0.505658
ENSG00000256053.9	959.5929356	-0.09979	0.320421	-0.31142	0.755479
ENSG00000204209.13	961.8592027	-0.22626	0.376837	-0.60042	0.548226
ENSG00000189067.13	961.9959336	-0.71708	0.353644	-2.02768	0.042593
ENSG00000054267.22	962.0605022	-0.33144	0.331944	-0.99848	0.318047
ENSG00000173674.11	962.441432	0.028211	0.317456	0.088867	0.929187
ENSG00000157191.20	962.7354164	-0.07765	0.337887	-0.2298	0.818249
ENSG00000163463.13	963.1973226	-0.26228	0.343869	-0.76273	0.445625
ENSG00000135968.21	963.2086551	-0.66903	0.348527	-1.9196	0.054908
ENSG00000123353.10	963.3171596	0.094216	0.340976	0.276311	0.782309
ENSG00000088930.8	963.4640554	-0.04905	0.325073	-0.15088	0.880068
ENSG00000272398.6	964.7026344	0.689807	0.360498	1.913485	0.055686
ENSG00000215472.10	964.9920429	-0.38687	0.38208	-1.01252	0.311287
ENSG00000148335.15	965.3388353	-0.14934	0.332249	-0.44949	0.653077
ENSG00000088205.13	965.3474319	-0.05859	0.325146	-0.18019	0.857
ENSG00000134779.15	965.4651843	-0.32988	0.403346	-0.81785	0.413444
ENSG00000135069.14	965.7541243	-0.88805	0.402926	-2.20401	0.027524
ENSG00000025800.14	965.9788094	-0.30636	0.328399	-0.9329	0.350873
ENSG00000144369.13	966.0407503	-1.10768	0.518775	-2.13519	0.032746
ENSG00000149547.15	966.1181571	-0.17314	0.32679	-0.52983	0.596229
ENSG00000104969.10	966.2809026	0.100046	0.319281	0.313348	0.754017
ENSG00000104312.8	966.5236531	-0.35166	0.326263	-1.07783	0.28111
ENSG00000144744.17	966.5816458	-0.45536	0.413716	-1.10065	0.271049
ENSG00000214063.11	967.3618393	0.007083	0.325609	0.021752	0.982646
ENSG00000103966.11	968.6017244	-0.37416	0.376108	-0.99482	0.319822
ENSG00000078140.14	969.1903848	-0.23098	0.318047	-0.72625	0.467688
ENSG00000198399.14	969.2232233	-0.68485	0.325587	-2.10344	0.035427
ENSG00000144566.11	970.266757	-0.60552	0.37259	-1.62517	0.104126
ENSG00000157224.16	970.3840513	-0.38265	0.34465	-1.11027	0.266884
ENSG00000106638.17	970.804324	-0.80102	0.34412	-2.32773	0.019926
ENSG00000100519.12	970.8521023	-0.18301	0.336075	-0.54455	0.586066
ENSG00000144597.14	971.5226072	-0.31355	0.369355	-0.84891	0.39593
ENSG00000135108.15	971.9698652	-0.77757	0.397269	-1.95729	0.050313
ENSG00000176986.16	972.5100991	0.058078	0.381041	0.152421	0.878855
ENSG00000095787.23	972.7409515	-0.15387	0.334441	-0.46007	0.645465
ENSG00000172062.17	972.8801552	-0.44678	0.350506	-1.27466	0.202428
ENSG00000112893.9	973.4041324	-0.5856	0.343628	-1.70417	0.088348
ENSG00000180139.11	973.600206	0.136115	0.433122	0.314265	0.75332
ENSG00000169490.17	974.1584899	-0.75438	0.332309	-2.27012	0.0232
ENSG00000141380.14	974.1925273	-0.43781	0.367922	-1.18994	0.23407
ENSG00000091039.17	974.3173362	-0.53939	0.344564	-1.56541	0.117486
ENSG00000166780.11	974.7291613	-0.60503	0.371374	-1.62916	0.103279
ENSG00000065548.18	974.9226163	-0.33153	0.349766	-0.94785	0.343206
ENSG00000146247.14	975.1543183	-0.19683	0.33194	-0.59297	0.5532
ENSG00000168216.13	975.4494872	-0.6437	0.381984	-1.68514	0.091962
ENSG00000151694.14	975.7039561	-0.22498	0.358858	-0.62692	0.530712
ENSG00000029364.12	975.9630266	-0.47702	0.346377	-1.37717	0.168459
ENSG00000006652.15	976.1520691	-0.73858	0.353879	-2.08709	0.03688
ENSG00000158669.11	976.3393842	-0.69794	0.361374	-1.93136	0.053439
ENSG00000169398.19	977.0504131	-0.46701	0.324836	-1.43767	0.150528
ENSG00000143162.9	977.2650998	-0.28584	0.355084	-0.80498	0.420831
ENSG00000067066.17	977.4373074	-0.27661	0.333003	-0.83064	0.406178

ENSG00000150593.18	977.7667549	-0.92513	0.404179	-2.28891	0.022084
ENSG00000125676.20	978.1501091	-0.48114	0.356168	-1.35088	0.176733
ENSG00000135074.16	978.1919855	-0.09775	0.47903	-0.20405	0.838314
ENSG00000167930.17	978.4006766	-0.19715	0.337286	-0.58453	0.558865
ENSG00000131876.17	978.8740218	-0.0162	0.326612	-0.04961	0.960435
ENSG00000106723.17	979.1941391	-0.68637	0.360543	-1.90371	0.056947
ENSG00000094975.14	980.4826321	-0.3422	0.336952	-1.01558	0.309828
ENSG00000188229.6	980.7148651	0.313471	0.442806	0.70792	0.478995
ENSG00000150527.17	981.5569933	-0.5038	0.338663	-1.48763	0.136849
ENSG00000165389.7	981.6010389	-0.19924	0.438681	-0.45418	0.649702
ENSG00000136868.11	982.0860452	-0.38486	0.331069	-1.16249	0.245037
ENSG00000066583.12	982.3154568	-0.65235	0.423209	-1.54143	0.123212
ENSG00000138594.14	982.7496538	-0.39726	0.340616	-1.16629	0.243499
ENSG00000147533.17	983.1761242	-0.62628	0.318186	-1.96828	0.049036
ENSG00000118418.14	983.2488062	0.096072	0.334561	0.287158	0.773991
ENSG00000254505.11	983.9157745	-0.01543	0.318203	-0.0485	0.961316
ENSG00000095209.12	984.0148686	-0.56764	0.33251	-1.70713	0.087798
ENSG00000101290.14	984.2329018	-0.97517	0.40881	-2.38539	0.017061
ENSG00000170515.14	984.2841746	0.358288	0.322949	1.109427	0.267246
ENSG00000198258.11	984.4580725	0.400117	0.346711	1.154037	0.248485
ENSG00000113068.10	985.0174595	-0.04538	0.317516	-0.14293	0.886349
ENSG00000058673.16	985.411471	-0.07363	0.33848	-0.21754	0.827787
ENSG00000141867.17	987.1611622	0.458899	0.484739	0.946693	0.343795
ENSG00000003436.16	987.3159398	-0.48354	0.383201	-1.26184	0.207005
ENSG00000239264.9	987.8418441	0.431353	0.375002	1.150268	0.250033
ENSG00000131828.14	987.8441084	-0.37757	0.321611	-1.17399	0.240399
ENSG00000143799.13	988.0834505	-0.03806	0.323301	-0.11774	0.906275
ENSG00000168734.14	988.2787846	-0.26396	0.333716	-0.79097	0.42896
ENSG00000109180.14	988.8876792	-0.41347	0.333444	-1.24001	0.214973
ENSG00000165416.15	989.2514607	-0.19584	0.324394	-0.60371	0.546037
ENSG00000164190.19	989.6651977	-0.49208	0.336844	-1.46084	0.144058
ENSG00000197586.13	989.9641861	-0.40277	0.318086	-1.26624	0.205427
ENSG00000100284.21	990.2893643	-0.21598	0.32969	-0.65509	0.512412
ENSG00000019582.15	990.7211783	-0.50915	0.329022	-1.54747	0.12175
ENSG00000140526.18	991.1528386	-0.56101	0.344985	-1.62618	0.103911
ENSG00000130811.12	992.1173566	0.101803	0.34046	0.299015	0.764929
ENSG00000113194.13	992.3283644	-0.52188	0.324227	-1.60962	0.107481
ENSG00000089327.15	992.8550005	0.062193	0.365657	0.170086	0.864942
ENSG00000076685.19	993.1495236	-0.70253	0.326865	-2.1493	0.031611
ENSG00000180992.7	993.354159	-0.08457	0.36239	-0.23337	0.81547
ENSG00000112514.18	993.4095192	0.007535	0.337134	0.022352	0.982168
ENSG00000179632.10	994.5795857	-0.37494	0.344573	-1.08813	0.276539
ENSG00000244754.9	994.770291	-0.16408	0.37367	-0.4391	0.660588
ENSG00000135052.16	994.8777778	0.053742	0.333023	0.161375	0.871798
ENSG00000078674.18	994.8907342	-0.3211	0.35343	-0.90852	0.363606
ENSG00000023330.15	995.1838171	-0.32595	0.372061	-0.87608	0.380988
ENSG00000122884.12	995.4416354	-0.32788	0.361068	-0.90808	0.363835
ENSG00000137876.10	995.6370476	-0.41211	0.375057	-1.0988	0.271856
ENSG00000180228.13	995.9047683	-0.69072	0.420415	-1.64295	0.100393
ENSG00000160710.17	996.0842349	0.182604	0.320897	0.569042	0.569328
ENSG00000129187.14	997.2065122	-0.45101	0.372774	-1.20987	0.226327
ENSG00000138078.16	997.3832005	-0.47065	0.31738	-1.48293	0.138093

ENSG00000141424.13	998.3748126	-0.51189	0.337139	-1.51833	0.12893
ENSG00000136830.12	998.9031602	1.143655	0.356407	3.208845	0.001333
ENSG00000116586.12	999.2282539	0.096493	0.338581	0.284993	0.77565
ENSG00000177311.11	999.7748649	-0.8267	0.373906	-2.21099	0.027037
ENSG00000078808.18	999.8322884	0.141007	0.433069	0.325601	0.744727
ENSG00000132823.11	1000.230095	-0.43784	0.350018	-1.25092	0.210965
ENSG00000143324.14	1000.43532	-0.85718	0.411273	-2.08421	0.037141
ENSG00000136754.17	1001.419701	-0.74911	0.374182	-2.002	0.045285
ENSG00000163875.16	1001.734171	-0.90361	0.380735	-2.37332	0.017629
ENSG00000115641.19	1002.229497	-0.24181	0.337014	-0.71752	0.473055
ENSG00000012660.14	1002.276644	-0.36161	0.360033	-1.00439	0.315192
ENSG00000188313.13	1002.367462	-0.49421	0.332543	-1.48615	0.13724
ENSG00000107223.13	1002.485634	0.152765	0.35179	0.434251	0.664106
ENSG00000143641.10	1002.56801	-0.1597	0.343471	-0.46494	0.641971
ENSG00000204843.12	1002.885618	0.496394	0.354742	1.399308	0.161721
ENSG00000198563.14	1003.797596	0.317584	0.353503	0.898393	0.368976
ENSG00000162736.17	1004.17182	-0.3962	0.340965	-1.16199	0.24524
ENSG00000007372.23	1004.444505	-1.00066	0.412222	-2.42747	0.015205
ENSG00000100387.9	1004.447403	-0.12732	0.333444	-0.38183	0.702586
ENSG00000145337.5	1004.553138	0.179056	0.402496	0.444865	0.656417
ENSG00000168066.20	1004.831789	-0.00386	0.320391	-0.01203	0.990398
ENSG00000185022.12	1005.159477	-0.1884	0.318265	-0.59196	0.553879
ENSG00000145734.19	1007.413958	0.075852	0.336132	0.225662	0.821464
ENSG00000055609.19	1007.901515	-0.28119	0.370508	-0.75894	0.447888
ENSG00000106028.11	1008.396892	-0.1817	0.324835	-0.55937	0.575908
ENSG00000137767.14	1008.803846	-0.47146	0.342942	-1.37476	0.169207
ENSG00000089280.19	1008.889992	0.823088	0.328686	2.50418	0.012274
ENSG00000139514.13	1009.513864	-0.1953	0.318457	-0.61327	0.539699
ENSG00000159228.13	1009.649362	-0.18679	0.346617	-0.5389	0.589959
ENSG00000139793.18	1009.67095	-0.92006	0.34273	-2.68452	0.007263
ENSG00000149557.14	1010.288625	-0.23033	0.328577	-0.70098	0.483314
ENSG00000108523.16	1010.660515	0.088244	0.324165	0.272219	0.785454
ENSG00000107937.19	1010.679069	-0.26396	0.397686	-0.66375	0.506853
ENSG00000145321.13	1010.714621	-0.45585	0.385461	-1.18262	0.236961
ENSG00000165915.14	1011.193927	-0.36312	0.36852	-0.98534	0.324459
ENSG00000173598.14	1011.555072	0.078484	0.32972	0.238032	0.811856
ENSG00000099956.20	1011.559024	-0.465	0.404571	-1.14936	0.250409
ENSG00000170266.16	1012.386089	-0.57746	0.364326	-1.58501	0.112965
ENSG00000099797.15	1012.936049	-0.55	0.345215	-1.59322	0.111112
ENSG00000003147.19	1013.614384	-1.0381	0.364227	-2.85014	0.00437
ENSG00000067900.8	1013.617304	0.167357	0.322699	0.518615	0.604029
ENSG00000092148.13	1013.777254	-0.22133	0.316763	-0.69872	0.484725
ENSG00000143164.15	1014.340654	-0.35366	0.351811	-1.00527	0.314768
ENSG00000108528.14	1014.875916	-0.23511	0.379756	-0.61912	0.535841
ENSG00000175390.14	1015.447361	-0.12393	0.322742	-0.38399	0.700988
ENSG00000099204.20	1015.612148	-0.16296	0.34136	-0.47739	0.633081
ENSG00000128951.14	1016.063079	-0.44901	0.335171	-1.33964	0.180362
ENSG00000164022.17	1016.448179	0.244913	0.373089	0.656446	0.511537
ENSG00000136521.13	1016.721966	-0.42618	0.369073	-1.15474	0.248196
ENSG00000115419.13	1017.249132	-0.26282	0.37575	-0.69944	0.484276
ENSG00000170043.12	1017.369749	-0.21888	0.328294	-0.66672	0.504954
ENSG00000143575.15	1017.746845	-0.39624	0.334702	-1.18387	0.236465

ENSG00000038274.17	1017.961187	-0.62446	0.369317	-1.69085	0.090865
ENSG00000100722.20	1019.163989	-0.54391	0.369647	-1.47142	0.141178
ENSG00000167196.14	1019.790427	-0.64793	0.367129	-1.76485	0.077589
ENSG00000130338.13	1019.836828	-0.08155	0.333196	-0.24475	0.806652
ENSG00000163605.15	1020.296685	-0.22919	0.389742	-0.58804	0.556502
ENSG00000110917.8	1020.342898	1.101225	0.367729	2.994663	0.002747
ENSG00000071462.12	1023.23704	-0.17285	0.334632	-0.51655	0.605473
ENSG00000096092.6	1023.571185	-0.31119	0.361721	-0.86031	0.38962
ENSG00000184164.15	1024.182756	0.049026	0.321156	0.152654	0.878671
ENSG00000163754.18	1025.923247	-0.37348	0.388181	-0.96213	0.335982
ENSG00000078304.19	1026.567403	-0.00138	0.325396	-0.00424	0.996614
ENSG00000213281.5	1026.841792	-0.54199	0.370576	-1.46256	0.143587
ENSG00000136986.10	1027.123929	-0.25502	0.320721	-0.79513	0.426536
ENSG00000120992.18	1027.204065	-0.67465	0.370667	-1.82009	0.068745
ENSG00000175348.11	1028.438307	-0.47666	0.374541	-1.27265	0.203141
ENSG00000185721.13	1028.514293	-0.16539	0.316598	-0.5224	0.601391
ENSG00000198855.7	1028.885113	-0.61166	0.333731	-1.8328	0.066833
ENSG00000168394.11	1029.031441	-0.14831	0.320306	-0.46302	0.64335
ENSG00000164244.21	1031.153873	-0.39564	0.32691	-1.21025	0.226184
ENSG00000101266.19	1031.349878	-0.40757	0.330786	-1.23213	0.217901
ENSG00000232931.6	1031.44705	-0.25713	0.383367	-0.67072	0.502398
ENSG00000105438.9	1031.677673	-0.0201	0.323971	-0.06205	0.950523
ENSG00000143753.13	1031.690158	-0.22802	0.461306	-0.49429	0.621098
ENSG00000137500.9	1031.877442	-0.72185	0.352662	-2.04686	0.040672
ENSG00000169251.13	1032.536636	-0.55655	0.394362	-1.41128	0.158163
ENSG00000109606.13	1035.314825	0.428331	0.326112	1.313448	0.189032
ENSG00000102898.12	1035.74609	-0.25303	0.387337	-0.65326	0.513589
ENSG00000160211.19	1035.993256	-0.39461	0.41424	-0.95262	0.340783
ENSG00000163811.12	1036.136281	-0.4972	0.326073	-1.5248	0.127309
ENSG00000165525.18	1036.634596	-0.3863	0.331043	-1.16693	0.243239
ENSG00000118640.11	1037.123939	0.190234	0.340027	0.559469	0.575842
ENSG00000112335.15	1037.271689	0.075664	0.35188	0.215027	0.829746
ENSG00000116406.19	1037.611562	-0.45521	0.317118	-1.43544	0.15116
ENSG00000163527.10	1038.286247	0.518261	0.34242	1.513522	0.130147
ENSG00000115520.8	1038.332418	-0.59509	0.361602	-1.6457	0.099825
ENSG00000133398.4	1038.397373	-0.19232	0.316085	-0.60845	0.542887
ENSG00000152520.14	1038.898829	-0.72444	0.4727	-1.53255	0.125386
ENSG00000127837.10	1039.220473	-0.29523	0.350182	-0.84307	0.399187
ENSG00000149600.11	1040.297342	-0.30922	0.364675	-0.84793	0.396475
ENSG00000087053.20	1040.378097	-0.58717	0.372146	-1.57781	0.11461
ENSG00000133961.20	1040.509371	-0.59595	0.389496	-1.53005	0.126006
ENSG00000175061.18	1040.654083	0.123958	0.345397	0.358886	0.71968
ENSG00000153827.14	1040.670374	0.245761	0.344946	0.712463	0.476178
ENSG00000164466.13	1040.681463	-0.25688	0.373368	-0.688	0.491455
ENSG00000196233.14	1040.801121	-0.84308	0.323542	-2.60578	0.009167
ENSG00000135373.13	1041.431256	-0.06993	0.335194	-0.20863	0.83474
ENSG00000011009.11	1041.951555	-0.86809	0.424391	-2.0455	0.040806
ENSG00000105058.12	1042.484211	-0.31879	0.330234	-0.96535	0.334372
ENSG00000214078.12	1042.808568	-0.13165	0.328466	-0.40079	0.688574
ENSG00000134287.10	1044.261315	-0.19815	0.385021	-0.51466	0.606794
ENSG00000118689.15	1044.437058	0.098316	0.331224	0.296825	0.7666
ENSG00000124562.10	1044.455517	-0.06617	0.327987	-0.20175	0.840108

ENSG00000128283.7	1045.792943	-0.45444	0.376199	-1.20797	0.227058
ENSG00000164305.19	1045.980406	-1.0232	0.391122	-2.61607	0.008895
ENSG00000107949.17	1045.99964	-0.22747	0.359774	-0.63226	0.52722
ENSG00000196954.14	1046.246236	0.079842	0.317824	0.251214	0.801649
ENSG00000138413.14	1046.931471	-0.61951	0.356822	-1.73619	0.082531
ENSG00000154639.19	1048.390201	-0.64579	0.385131	-1.67681	0.093579
ENSG00000138029.14	1048.698153	-0.43783	0.339787	-1.28855	0.197556
ENSG00000141905.19	1048.71678	-0.26102	0.327957	-0.79591	0.426087
ENSG00000197747.9	1049.556445	-0.2234	0.354525	-0.63014	0.528605
ENSG00000155090.15	1049.690751	-0.64242	0.330865	-1.94164	0.052181
ENSG00000113460.13	1050.023001	-0.09066	0.348496	-0.26016	0.794741
ENSG00000154978.13	1050.491175	0.043966	0.333191	0.131956	0.895019
ENSG00000102401.20	1050.919565	-0.26505	0.336104	-0.78858	0.430357
ENSG00000196235.14	1051.207147	0.695767	0.363895	1.911996	0.055877
ENSG00000108055.10	1052.519454	-0.37897	0.324589	-1.16753	0.242997
ENSG00000155115.7	1052.813241	-0.14897	0.355264	-0.41932	0.674986
ENSG00000125970.12	1052.827135	-0.34886	0.427018	-0.81697	0.413947
ENSG00000084463.8	1053.126853	0.105178	0.318159	0.330582	0.74096
ENSG00000140990.15	1053.229752	-0.12611	0.321096	-0.39273	0.694516
ENSG00000136527.18	1053.58306	0.433416	0.414633	1.0453	0.295884
ENSG00000136153.20	1053.692734	0.130644	0.322425	0.405191	0.685337
ENSG00000127616.19	1053.882597	0.696027	0.343395	2.026898	0.042673
ENSG00000103978.16	1054.408047	-0.26426	0.331759	-0.79656	0.425709
ENSG00000197702.14	1054.479904	-0.67839	0.332061	-2.04296	0.041056
ENSG00000135318.12	1054.977145	-0.44904	0.370824	-1.21092	0.225926
ENSG00000163961.4	1055.676425	-0.21324	0.383593	-0.55589	0.578283
ENSG00000172809.13	1056.09611	0.879807	0.358959	2.450995	0.014246
ENSG00000013561.18	1056.16819	-0.69115	0.357418	-1.93373	0.053146
ENSG00000196655.12	1056.651751	-0.12763	0.331817	-0.38464	0.700504
ENSG00000131408.15	1057.215848	-0.24822	0.327235	-0.75855	0.448122
ENSG00000184743.13	1057.526321	0.001192	0.317437	0.003755	0.997004
ENSG00000163950.13	1057.63106	-0.3151	0.331159	-0.95151	0.341346
ENSG00000142166.13	1058.210775	-0.78136	0.396182	-1.97221	0.048585
ENSG00000062485.19	1059.012701	-0.11016	0.373884	-0.29462	0.768281
ENSG00000175334.8	1059.498452	0.18233	0.319055	0.571468	0.567682
ENSG00000139324.12	1059.782984	-0.66824	0.416763	-1.6034	0.108846
ENSG00000082515.18	1060.496143	0.10286	0.338088	0.30424	0.760945
ENSG00000235162.9	1061.01505	0.269777	0.3875	0.6962	0.486304
ENSG00000116251.11	1061.079226	0.263082	0.34597	0.760417	0.447005
ENSG00000160075.12	1061.490944	0.120139	0.319465	0.376062	0.706871
ENSG00000128699.14	1062.499882	-0.3086	0.344569	-0.89562	0.370456
ENSG00000146963.18	1062.646588	-0.21428	0.327427	-0.65443	0.512833
ENSG00000164163.11	1062.664196	-0.73585	0.378871	-1.94223	0.052109
ENSG00000143256.5	1062.791311	0.277934	0.350018	0.794057	0.427162
ENSG00000143569.19	1064.507433	-0.17743	0.400709	-0.44279	0.657921
ENSG00000110367.13	1064.622602	-0.61814	0.386704	-1.59848	0.109935
ENSG00000122042.10	1065.395792	-0.81359	0.361259	-2.2521	0.024316
ENSG00000276023.5	1066.441723	-0.49262	0.405492	-1.21487	0.224416
ENSG00000077782.21	1067.255488	-0.11522	0.329647	-0.34953	0.72669
ENSG00000175550.8	1067.264751	0.190873	0.315074	0.605804	0.544645
ENSG00000124733.5	1068.330878	0.006073	0.325929	0.018632	0.985135
ENSG00000156030.13	1068.749213	-0.65647	0.323422	-2.02975	0.042382

ENSG00000116120.11	1069.259739	-0.4538	0.378315	-1.19953	0.23032
ENSG00000090054.15	1069.317658	-0.51691	0.333239	-1.55118	0.120859
ENSG00000139372.15	1069.347126	0.116775	0.371547	0.314294	0.753298
ENSG00000103994.17	1069.921209	-0.18088	0.322402	-0.56105	0.574764
ENSG00000082641.16	1070.233107	0.239468	0.32812	0.729818	0.465502
ENSG00000126088.14	1070.807833	-0.32192	0.331285	-0.97174	0.33118
ENSG00000124357.13	1071.108917	0.09262	0.337627	0.274326	0.783834
ENSG00000173110.8	1073.096541	0.707941	0.492957	1.436112	0.150971
ENSG00000099860.9	1073.317382	-0.22044	0.473238	-0.46581	0.641351
ENSG00000104723.21	1073.809564	-0.09705	0.347073	-0.27964	0.779756
ENSG00000147676.14	1074.584432	-0.03633	0.433904	-0.08373	0.93327
ENSG00000138448.12	1075.221598	-0.10862	0.321367	-0.338	0.735364
ENSG00000006071.15	1075.589377	-0.07339	0.337519	-0.21743	0.827874
ENSG00000160752.15	1075.761635	-0.08677	0.32647	-0.26578	0.790407
ENSG00000164761.9	1077.057139	-0.87264	0.508983	-1.71448	0.08644
ENSG00000181826.10	1078.046242	-0.27939	0.46457	-0.6014	0.547576
ENSG00000113845.10	1078.101244	-0.4769	0.334927	-1.42388	0.154482
ENSG00000073921.18	1078.121868	0.107779	0.336032	0.32074	0.748408
ENSG00000178860.8	1078.623477	-0.76546	0.370376	-2.0667	0.038762
ENSG00000072803.17	1078.862813	-0.20728	0.324139	-0.63947	0.52252
ENSG00000137673.9	1079.34053	-0.3471	0.324634	-1.0692	0.284982
ENSG00000197822.11	1079.675828	-0.61983	0.345955	-1.79165	0.07319
ENSG00000130294.17	1079.75327	-0.11933	0.343945	-0.34695	0.728626
ENSG00000108854.16	1080.708483	-0.48764	0.420258	-1.16033	0.245914
ENSG00000008282.8	1082.116849	-0.86404	0.377703	-2.28763	0.022159
ENSG00000086065.14	1082.519371	-0.47809	0.350065	-1.36572	0.172027
ENSG00000183010.17	1082.631197	-0.68082	0.355261	-1.91641	0.055313
ENSG00000114686.9	1083.140104	-0.3079	0.34799	-0.88481	0.376261
ENSG00000100292.17	1084.452211	0.247339	0.446894	0.553461	0.579947
ENSG00000177200.17	1084.933965	-0.83986	0.358621	-2.34192	0.019185
ENSG00000134644.16	1085.050858	-0.19913	0.350498	-0.56814	0.569939
ENSG00000100603.14	1085.232514	-0.25786	0.315095	-0.81835	0.413159
ENSG00000144824.21	1085.717093	-0.68118	0.352241	-1.93385	0.053132
ENSG00000109861.16	1086.895556	0.033982	0.343394	0.098961	0.92117
ENSG00000174886.14	1087.318082	0.096641	0.336808	0.286931	0.774165
ENSG00000183978.8	1087.800678	0.284889	0.378585	0.75251	0.451745
ENSG00000117592.9	1087.92807	-0.43739	0.395892	-1.10482	0.269239
ENSG00000140350.15	1088.253075	-0.19861	0.314886	-0.63073	0.52822
ENSG00000197006.14	1088.413697	-0.23934	0.382256	-0.62613	0.531226
ENSG00000003402.20	1088.847241	0.022506	0.331924	0.067806	0.94594
ENSG00000181704.12	1089.111855	-0.4571	0.322059	-1.4193	0.15581
ENSG00000105323.17	1089.23679	0.403542	0.335337	1.203392	0.228825
ENSG00000138061.12	1089.479964	-0.38811	0.330057	-1.1759	0.239636
ENSG00000127955.17	1090.914293	-0.53124	0.347497	-1.52875	0.126326
ENSG00000170445.16	1091.835196	-0.14194	0.372242	-0.38131	0.702977
ENSG00000105971.15	1091.863581	-0.3853	0.377631	-1.02031	0.30758
ENSG00000133104.14	1092.744043	-0.53521	0.328627	-1.62864	0.10339
ENSG00000070540.13	1092.859594	-0.59474	0.317537	-1.87298	0.061072
ENSG00000070087.14	1092.994018	0.067906	0.382145	0.177698	0.85896
ENSG00000092108.21	1093.795134	-0.54668	0.351119	-1.55696	0.11948
ENSG00000100528.12	1094.604533	-0.40636	0.339204	-1.19799	0.230923
ENSG00000070367.16	1095.433762	-0.63653	0.354917	-1.79345	0.072901

ENSG00000123989.14	1096.492991	0.234746	0.316157	0.742497	0.457786
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ENSG00000014216.16	1098.597538	0.126644	0.354132	0.357617	0.72063
ENSG00000085365.18	1098.772553	-1.01472	0.399013	-2.54308	0.010988
ENSG00000085719.13	1098.870048	-0.79721	0.354479	-2.24897	0.024515
ENSG00000159592.11	1098.998003	-0.57864	0.317387	-1.82314	0.068282
ENSG00000168928.13	1099.664676	0.19428	0.338878	0.573303	0.566439
ENSG00000132669.13	1099.739391	-0.41875	0.462218	-0.90597	0.364953
ENSG00000103257.9	1099.810475	-0.15566	0.338547	-0.45978	0.645677
ENSG00000134802.18	1099.911893	-0.25083	0.372417	-0.67352	0.50062
ENSG00000123091.5	1100.99966	-0.1727	0.35181	-0.49089	0.623504
ENSG00000117500.13	1101.356501	-0.60557	0.324577	-1.86574	0.062078
ENSG00000027697.15	1101.855847	-0.98294	0.404239	-2.43158	0.015033
ENSG00000119655.11	1102.341698	-0.53261	0.377812	-1.40971	0.158624
ENSG00000126254.12	1102.437989	0.072867	0.323638	0.225151	0.821862
ENSG00000280064.1	1102.549693	-0.47946	0.415333	-1.15439	0.248338
ENSG00000196975.16	1103.706689	-0.35877	0.326908	-1.09746	0.272442
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ENSG00000154380.17	1104.063004	0.152943	0.33533	0.456096	0.648321
ENSG00000130733.11	1104.317681	-0.28952	0.347192	-0.83388	0.404346
ENSG00000127922.9	1105.046676	0.247269	0.355641	0.695276	0.486882
ENSG00000132463.14	1105.428523	-0.00177	0.328693	-0.00539	0.9957
ENSG00000100883.12	1105.88843	-0.41557	0.334133	-1.24372	0.213603
ENSG00000132128.16	1105.903573	-0.16852	0.411622	-0.40941	0.682236
ENSG00000087302.9	1106.15518	-0.18576	0.331765	-0.55992	0.575534
ENSG00000125851.10	1108.443469	-0.88011	0.439996	-2.00026	0.045472
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ENSG00000185122.11	1109.489199	-0.26551	0.363669	-0.73009	0.465335
ENSG00000091542.9	1109.851511	-0.10206	0.412162	-0.24763	0.804424
ENSG00000164756.12	1110.105844	-0.67562	0.525748	-1.28507	0.198769
ENSG00000164828.18	1110.217375	-0.58475	0.352587	-1.65845	0.097227
ENSG00000125037.12	1110.427759	-0.42004	0.337862	-1.24323	0.213785
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ENSG00000057252.13	1110.800735	-1.15095	0.414209	-2.77867	0.005458
ENSG00000135862.6	1110.904091	0.431751	0.365431	1.181484	0.237411
ENSG00000134531.10	1111.114733	-0.3972	0.341305	-1.16376	0.24452
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ENSG00000204574.13	1112.502063	0.204876	0.321944	0.636371	0.524535
ENSG00000013297.12	1112.630498	0.037542	0.496428	0.075624	0.939718
ENSG00000084072.17	1112.82704	-0.3266	0.318717	-1.02472	0.305495
ENSG00000102531.16	1113.381216	-0.49039	0.339659	-1.44376	0.148807
ENSG00000083444.17	1113.76775	0.025617	0.316114	0.081038	0.935412
ENSG00000126945.9	1113.983288	-0.0435	0.465537	-0.09343	0.925559
ENSG00000129515.20	1114.80002	-0.61585	0.34649	-1.77739	0.075505
ENSG00000110619.18	1116.229337	-0.42499	0.35323	-1.20314	0.228921
ENSG00000110330.8	1117.115673	-0.07708	0.327602	-0.23528	0.813995
ENSG00000139329.5	1117.491214	-1.0963	0.509857	-2.15022	0.031538
ENSG00000185043.12	1117.771269	-0.26893	0.320512	-0.83906	0.401438
ENSG00000204316.13	1118.214132	-0.16716	0.339867	-0.49183	0.622841
ENSG00000102054.18	1118.278634	0.017624	0.342394	0.051472	0.958949
ENSG00000106991.14	1118.617398	-0.5182	0.460255	-1.1259	0.260209
ENSG00000254999.4	1118.810839	0.04784	0.353495	0.135334	0.892348

ENSG00000115514.12	1119.673773	-0.53697	0.401407	-1.33773	0.180985
ENSG00000113742.14	1120.05261	-0.39189	0.374255	-1.04713	0.29504
ENSG00000168894.10	1122.053553	-0.03968	0.336013	-0.1181	0.905992
ENSG00000173915.16	1122.656043	0.240193	0.331766	0.723984	0.469075
ENSG00000179271.3	1123.786962	0.346704	0.357147	0.970762	0.331667
ENSG00000038427.16	1124.47379	0.355313	0.321185	1.106257	0.268615
ENSG00000120725.13	1124.682761	-0.2173	0.346117	-0.62783	0.530113
ENSG00000011465.18	1124.841987	-0.44087	0.372619	-1.18316	0.236746
ENSG00000205323.9	1125.442592	-0.02892	0.316282	-0.09144	0.927146
ENSG00000163320.12	1126.591174	-0.23258	0.324408	-0.71693	0.473416
ENSG00000174437.17	1128.417591	0.276826	0.317615	0.871579	0.383438
ENSG00000185164.14	1128.590185	0.293977	0.326784	0.899606	0.36833
ENSG00000143368.10	1128.605088	-0.47672	0.444904	-1.0715	0.283944
ENSG00000122068.13	1129.47601	-0.61226	0.335373	-1.82561	0.067909
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ENSG00000155975.10	1130.491482	-0.83945	0.393104	-2.13543	0.032726
ENSG00000112379.9	1130.848545	-0.35744	0.352712	-1.0134	0.310869
ENSG00000110717.13	1131.095417	-0.0092	0.350049	-0.02629	0.979027
ENSG00000166340.17	1132.542132	-0.69617	0.350203	-1.98789	0.046824
ENSG00000087088.20	1133.53602	-0.03335	0.320183	-0.10417	0.917038
ENSG00000213593.10	1136.006475	-0.31175	0.321386	-0.97001	0.332039
ENSG00000129103.19	1137.492035	-0.09624	0.332699	-0.28926	0.772382
ENSG00000163597.15	1138.485959	-0.10704	0.328287	-0.32606	0.744383
ENSG00000143420.19	1138.978119	0.049516	0.362969	0.136419	0.89149
ENSG00000259627.1	1139.30747	0.224948	0.314556	0.715127	0.474531
ENSG00000168259.17	1140.26423	0.019292	0.322011	0.059912	0.952225
ENSG00000141580.16	1140.293428	-0.32814	0.32264	-1.01704	0.309135
ENSG00000165264.11	1140.471753	-0.25885	0.314957	-0.82186	0.411158
ENSG00000108061.12	1140.575766	-0.43285	0.338779	-1.27768	0.201364
ENSG00000151327.12	1140.815707	-0.05566	0.318191	-0.17492	0.861142
ENSG00000130766.5	1140.944077	0.083736	0.37295	0.224523	0.822351
ENSG00000017260.20	1141.4287	-0.29954	0.343045	-0.87319	0.382562
ENSG00000136997.20	1141.876604	-0.81743	0.369575	-2.21181	0.026979
ENSG00000172239.14	1142.680718	-0.09501	0.32053	-0.29643	0.766902
ENSG00000262413.1	1143.148047	-0.02959	0.420096	-0.07044	0.943843
ENSG00000211460.12	1143.207588	-0.35807	0.330503	-1.08341	0.278624
ENSG00000116299.17	1143.345458	-0.69179	0.377907	-1.83057	0.067165
ENSG00000165169.11	1144.997141	-0.13462	0.350991	-0.38354	0.701319
ENSG00000153914.16	1145.180583	-0.48548	0.334161	-1.45284	0.146269
ENSG00000052802.13	1145.419289	-0.44962	0.416352	-1.07991	0.280182
ENSG00000155506.18	1145.483572	0.17736	0.329527	0.538225	0.590421
ENSG00000214706.10	1145.839219	-0.18649	0.317424	-0.5875	0.556871
ENSG00000147535.17	1146.750389	-0.29152	0.323899	-0.90004	0.368102
ENSG00000144747.17	1146.900079	-0.23018	0.392651	-0.58622	0.557727
ENSG00000143977.14	1147.090585	0.380827	0.330525	1.152189	0.249243
ENSG00000157483.9	1147.713666	0.055094	0.36265	0.151921	0.879249
ENSG00000134321.12	1149.822722	-0.61093	0.393703	-1.55175	0.120723
ENSG00000180957.18	1149.857175	-0.52432	0.362539	-1.44624	0.148111
ENSG00000159167.12	1150.603311	-0.17841	0.410833	-0.43425	0.664105
ENSG00000277632.2	1150.853067	-0.03125	0.422677	-0.07393	0.941069
ENSG00000170776.22	1150.927049	-0.08807	0.325269	-0.27076	0.786576
ENSG00000111642.16	1151.04791	0.566247	0.350443	1.615805	0.106136

ENSG00000105854.13	1151.107864	-0.50344	0.414645	-1.21416	0.224688
ENSG00000176170.14	1154.341444	0.622198	0.411964	1.510322	0.130961
ENSG00000170955.10	1154.495716	-0.02724	0.321193	-0.08482	0.932408
ENSG00000127125.9	1155.452123	-0.18565	0.413876	-0.44857	0.65374
ENSG00000166311.10	1155.478708	-0.11972	0.335855	-0.35647	0.721488
ENSG00000125995.16	1155.551757	0.855958	0.355264	2.409357	0.015981
ENSG00000005700.15	1155.943352	-0.40632	0.382914	-1.06114	0.288628
ENSG00000073578.17	1157.971492	0.10233	0.317929	0.321865	0.747555
ENSG00000028528.15	1158.125538	-0.50478	0.409357	-1.23311	0.217533
ENSG00000105677.12	1158.212171	-0.27851	0.330622	-0.84238	0.399576
ENSG00000197694.18	1161.905889	1.130855	0.392202	2.883345	0.003935
ENSG00000124225.16	1162.295107	-0.18472	0.321179	-0.57512	0.56521
ENSG00000113282.14	1162.698914	-0.20492	0.31669	-0.64706	0.517596
ENSG00000127483.19	1162.941342	-0.1022	0.326773	-0.31276	0.754466
ENSG00000013588.9	1163.789404	-0.97376	0.479879	-2.02918	0.04244
ENSG00000113643.9	1164.783838	-0.01777	0.339843	-0.05229	0.958297
ENSG00000188976.11	1165.330104	0.127408	0.356037	0.35785	0.720455
ENSG00000162144.10	1165.468574	-0.32664	0.380533	-0.85836	0.390691
ENSG00000100815.12	1165.491679	-0.63647	0.332638	-1.91341	0.055695
ENSG00000196937.11	1165.950764	-0.116	0.350869	-0.33061	0.740939
ENSG00000137124.8	1167.203327	-0.0123	0.431636	-0.0285	0.977261
ENSG00000118855.21	1167.813035	-0.56237	0.361551	-1.55543	0.119843
ENSG00000145592.14	1167.962631	0.687743	0.355884	1.932493	0.053299
ENSG00000125818.18	1168.811141	-0.54467	0.359371	-1.51562	0.129616
ENSG00000184254.17	1169.580262	-1.06142	0.373332	-2.8431	0.004468
ENSG00000004779.10	1169.945518	-0.03237	0.319219	-0.10139	0.919238
ENSG00000185236.12	1171.0877	-0.44977	0.418275	-1.0753	0.282241
ENSG00000166557.14	1172.17533	-0.22343	0.332154	-0.67266	0.501161
ENSG00000156467.10	1174.328463	0.053738	0.334789	0.160512	0.872478
ENSG00000124767.7	1175.87802	-0.50772	0.347479	-1.46114	0.143978
ENSG00000136026.14	1176.505219	0.606046	0.315646	1.920015	0.054856
ENSG00000113648.16	1176.885807	0.343354	0.343527	0.999495	0.317555
ENSG00000242247.11	1178.055713	-0.64933	0.342517	-1.89577	0.05799
ENSG00000186591.13	1178.57523	0.106007	0.318112	0.333237	0.738956
ENSG00000144802.11	1178.869714	0.09503	0.358251	0.265262	0.790807
ENSG00000170876.8	1180.653872	-0.4088	0.355986	-1.14837	0.250814
ENSG00000265354.4	1181.411685	-0.10688	0.357149	-0.29926	0.764745
ENSG00000119801.13	1182.626548	-0.42103	0.322268	-1.30645	0.191401
ENSG00000114209.15	1183.055366	-0.48159	0.346205	-1.39107	0.164205
ENSG00000005483.21	1183.821554	-0.28158	0.315586	-0.89225	0.372257
ENSG00000139180.11	1183.860663	-0.19038	0.35576	-0.53513	0.59256
ENSG00000135930.14	1184.127547	-0.08825	0.324115	-0.27228	0.785409
ENSG00000113522.14	1184.573287	-0.52572	0.320792	-1.63882	0.10125
ENSG00000160201.12	1184.604707	0.03937	0.32715	0.120341	0.904213
ENSG00000143384.13	1185.072468	0.197329	0.326539	0.604303	0.545642
ENSG00000124570.21	1185.879161	-0.19581	0.323046	-0.60613	0.544426
ENSG00000170144.20	1186.008223	0.733085	0.369158	1.98583	0.047052
ENSG00000010244.18	1186.134503	-0.12503	0.41787	-0.29921	0.764778
ENSG00000226445.2	1186.352206	-0.24373	0.32249	-0.75579	0.449777
ENSG00000137573.14	1187.397111	-0.43269	0.372997	-1.16004	0.246034
ENSG00000149357.10	1187.549375	-0.16268	0.338515	-0.48057	0.630823
ENSG00000102471.14	1187.710201	-0.74575	0.368667	-2.02284	0.04309

ENSG00000185627.18	1189.192447	-0.18546	0.336965	-0.5504	0.582046
ENSG00000117862.13	1189.338278	-0.64046	0.343548	-1.86424	0.062288
ENSG00000089053.13	1189.564274	-0.16285	0.325537	-0.50024	0.616909
ENSG00000123983.14	1189.892126	-0.52778	0.330536	-1.59674	0.110325
ENSG00000197728.11	1190.093016	0.262716	0.32265	0.814242	0.415506
ENSG00000119396.11	1190.272724	-0.4208	0.35097	-1.19896	0.230542
ENSG00000079999.14	1191.2258	-0.39237	0.354619	-1.10645	0.268533
ENSG00000090615.15	1192.76967	-0.14613	0.323586	-0.45159	0.651562
ENSG00000110344.10	1192.783482	-0.6204	0.429038	-1.44602	0.148172
ENSG00000109919.10	1193.610271	-0.2847	0.342766	-0.83059	0.406203
ENSG00000120705.13	1193.935678	-0.52208	0.330105	-1.58157	0.113748
ENSG00000006125.18	1195.016307	0.221737	0.358982	0.617682	0.536785
ENSG00000260927.2	1195.937569	-0.57279	0.467884	-1.2242	0.220875
ENSG00000116478.12	1198.522835	-0.17031	0.334967	-0.50844	0.611146
ENSG00000130635.16	1198.622605	0.477122	0.387479	1.231348	0.218193
ENSG00000137776.17	1199.995828	-0.0789	0.366443	-0.21531	0.829526
ENSG00000165527.7	1200.136106	-0.01034	0.476647	-0.0217	0.982685
ENSG00000104979.9	1202.216427	0.294442	0.360939	0.815765	0.414634
ENSG00000116747.13	1203.060335	-0.60528	0.33876	-1.78674	0.073979
ENSG00000064666.15	1203.530154	0.285194	0.418745	0.681067	0.495829
ENSG00000133026.13	1203.676351	-0.75449	0.384206	-1.96376	0.049558
ENSG00000170606.15	1204.189069	0.058046	0.320402	0.181166	0.856238
ENSG00000165476.14	1204.864666	-0.20296	0.359135	-0.56515	0.571973
ENSG00000092201.10	1206.803561	0.106189	0.335494	0.316515	0.751612
ENSG00000182492.16	1207.489502	-0.05076	0.320634	-0.15831	0.87421
ENSG00000169756.16	1207.893349	-0.32998	0.329847	-1.00041	0.317113
ENSG00000113141.18	1209.023589	-0.13655	0.316619	-0.43129	0.666258
ENSG00000139842.15	1209.182251	-0.37623	0.350836	-1.07238	0.283549
ENSG00000167792.13	1209.922953	-0.02406	0.31851	-0.07555	0.939777
ENSG00000079459.13	1210.062979	-0.42713	0.374664	-1.14003	0.254275
ENSG00000129353.15	1210.333688	-0.56603	0.324006	-1.74698	0.080641
ENSG00000136718.10	1210.623218	-0.15799	0.313179	-0.50447	0.613933
ENSG00000125166.13	1210.922631	-0.26469	0.34351	-0.77053	0.440984
ENSG00000108468.15	1211.201131	-0.03463	0.315476	-0.10976	0.912603
ENSG00000065000.19	1211.314828	0.593277	0.401777	1.47663	0.139775
ENSG00000004059.11	1212.14085	-0.34883	0.324328	-1.07556	0.282125
ENSG00000086666.19	1212.66982	-0.56953	0.333438	-1.70806	0.087626
ENSG00000127824.14	1212.793509	-0.12025	0.408648	-0.29426	0.76856
ENSG00000116016.14	1213.400643	-0.50032	0.34684	-1.4425	0.149162
ENSG00000047410.14	1213.863315	-0.16849	0.330647	-0.50958	0.610348
ENSG00000198612.11	1214.191637	-0.36222	0.362572	-0.99904	0.317775
ENSG00000011304.21	1214.393653	0.39684	0.33312	1.19128	0.233544
ENSG00000123689.6	1214.546385	-0.50421	0.384754	-1.31046	0.190039
ENSG00000153037.15	1215.06743	-0.11534	0.31406	-0.36724	0.713441
ENSG00000160310.18	1215.594383	-0.39003	0.324226	-1.20295	0.228996
ENSG00000153879.9	1216.283037	-0.48335	0.321748	-1.50227	0.133028
ENSG00000156515.23	1216.437604	-0.16394	0.383417	-0.42757	0.668964
ENSG00000130202.10	1217.830376	0.16834	0.396736	0.424312	0.671338
ENSG00000116679.16	1218.310943	-0.62129	0.355596	-1.74718	0.080606
ENSG00000111540.16	1218.343888	-0.66921	0.412686	-1.62159	0.104892
ENSG00000167397.15	1219.825331	-0.11589	0.327844	-0.3535	0.723713
ENSG00000165283.16	1221.315633	0.008984	0.313816	0.028627	0.977162

ENSG00000124226.11	1221.711138	-0.61953	0.350138	-1.76939	0.076828
ENSG00000164919.11	1222.136193	-0.01327	0.412646	-0.03215	0.97435
ENSG00000182199.11	1223.586772	-0.18554	0.328652	-0.56454	0.572389
ENSG00000111530.13	1224.439343	-0.50489	0.345265	-1.46233	0.14365
ENSG00000143252.15	1224.751139	-0.42638	0.364854	-1.16862	0.242558
ENSG00000169692.13	1225.977704	-0.3303	0.369427	-0.89408	0.371277
ENSG00000100591.8	1226.777886	0.106322	0.312433	0.340302	0.733629
ENSG00000065911.12	1226.900682	-0.65685	0.36436	-1.80275	0.071428
ENSG00000198522.14	1227.654352	-0.39561	0.385059	-1.0274	0.304231
ENSG00000113312.11	1227.829824	-0.08689	0.312841	-0.27775	0.781201
ENSG00000158769.18	1228.427353	-0.91584	0.399319	-2.2935	0.021819
ENSG00000071282.12	1228.757772	-0.77906	0.381524	-2.04197	0.041155
ENSG00000061676.15	1228.906612	-0.15253	0.324399	-0.47019	0.638216
ENSG00000081087.15	1229.975201	-0.76528	0.359901	-2.12636	0.033473
ENSG00000173559.14	1230.545359	-0.34974	0.387248	-0.90315	0.366445
ENSG00000184900.16	1230.556203	-0.33358	0.350696	-0.95118	0.341511
ENSG00000139146.14	1231.774127	-0.73148	0.321145	-2.27772	0.022743
ENSG00000143376.14	1232.241769	-0.26425	0.424702	-0.62221	0.533803
ENSG00000125734.15	1233.759758	-0.33921	0.314652	-1.07804	0.281016
ENSG00000141552.17	1234.106924	0.10256	0.314947	0.325641	0.744696
ENSG00000070770.9	1234.163833	-0.44565	0.419278	-1.06291	0.287823
ENSG00000163347.6	1234.875117	-0.41903	0.379667	-1.10367	0.269738
ENSG00000170027.7	1235.502503	0.153975	0.437419	0.352007	0.724833
ENSG00000100300.18	1235.753544	0.055212	0.31769	0.173792	0.862029
ENSG00000272273.1	1235.847675	0.720479	0.41602	1.73184	0.083302
ENSG00000257727.6	1237.227724	-0.23364	0.350488	-0.66661	0.505023
ENSG00000111726.13	1237.252106	-0.40432	0.359829	-1.12365	0.261164
ENSG00000166337.10	1237.612805	0.639244	0.375514	1.702318	0.088696
ENSG00000150403.18	1237.93466	-0.1431	0.359744	-0.39778	0.690793
ENSG00000140157.15	1238.580006	-0.54412	0.386347	-1.40837	0.159022
ENSG00000122705.17	1238.63077	-0.07808	0.320513	-0.24361	0.807529
ENSG00000112759.19	1240.781165	-0.80493	0.366051	-2.19895	0.027882
ENSG00000004534.15	1240.85491	-0.11979	0.316408	-0.37858	0.704998
ENSG00000196141.14	1241.362922	0.54339	0.354545	1.532642	0.125364
ENSG00000168291.13	1241.56738	-0.35568	0.388742	-0.91494	0.360222
ENSG00000115561.16	1242.131945	-0.29628	0.314932	-0.94078	0.346816
ENSG00000118503.15	1242.838506	0.051183	0.32049	0.159702	0.873116
ENSG00000278311.5	1243.408258	0.001708	0.326206	0.005234	0.995824
ENSG00000196576.15	1243.661523	0.34637	0.317913	1.089511	0.275929
ENSG00000114030.13	1245.132499	-0.54801	0.317013	-1.72867	0.083868
ENSG00000063978.16	1246.768461	-0.47546	0.322714	-1.47333	0.140662
ENSG00000171105.14	1247.138025	-0.6098	0.334374	-1.82372	0.068195
ENSG00000105856.14	1247.479328	-0.65127	0.372634	-1.74775	0.080507
ENSG00000136827.12	1247.740075	-0.57939	0.345048	-1.67916	0.093121
ENSG00000162366.8	1248.233547	-0.46008	0.324331	-1.41856	0.156029
ENSG00000023909.10	1248.415412	-0.13074	0.424551	-0.30795	0.758118
ENSG00000182196.13	1248.582899	0.20174	0.319801	0.63083	0.528152
ENSG00000175768.13	1248.684189	0.634034	0.446553	1.419841	0.155654
ENSG00000162458.13	1249.17685	-0.23742	0.419135	-0.56645	0.571088
ENSG00000179820.16	1249.592689	0.286735	0.462485	0.619988	0.535266
ENSG00000001630.17	1250.078423	-0.48827	0.4038	-1.20919	0.22659
ENSG00000150867.14	1250.71452	-0.21346	0.429514	-0.49698	0.619201

ENSG00000189091.13	1251.052658	-0.06937	0.318043	-0.2181	0.827349
ENSG00000088448.14	1253.014967	-0.28187	0.358595	-0.78604	0.431843
ENSG00000145912.9	1254.505061	0.186223	0.320975	0.580177	0.561795
ENSG00000170248.15	1254.72698	-0.99341	0.42575	-2.33331	0.019632
ENSG00000138107.13	1258.510081	-0.31943	0.344273	-0.92785	0.353487
ENSG00000164932.13	1259.329964	-0.48346	0.381952	-1.26576	0.205599
ENSG00000120875.9	1260.487538	-0.73867	0.355319	-2.07889	0.037627
ENSG00000117395.13	1261.128261	0.138239	0.320162	0.43178	0.665902
ENSG00000198561.15	1261.291649	0.087583	0.449182	0.194983	0.845406
ENSG00000179818.14	1262.132018	0.812129	0.402786	2.016278	0.043771
ENSG00000121073.15	1262.710524	-0.20892	0.317182	-0.65868	0.510101
ENSG00000151135.10	1264.439619	-0.45735	0.382496	-1.19569	0.231818
ENSG00000108176.15	1264.938755	-1.4272	0.478567	-2.98224	0.002861
ENSG00000130309.11	1265.397839	-0.14583	0.386579	-0.37722	0.706011
ENSG00000119280.17	1266.461218	-0.28086	0.316846	-0.88642	0.375389
ENSG00000205426.10	1266.808833	0.147887	0.36669	0.403303	0.686725
ENSG00000065150.21	1267.554374	0.148002	0.317625	0.465964	0.641241
ENSG00000152767.17	1267.795287	0.270351	0.343874	0.786192	0.431755
ENSG00000105185.12	1268.771369	-0.1032	0.335765	-0.30736	0.758569
ENSG00000204262.14	1270.518368	0.204589	0.329379	0.621137	0.534509
ENSG00000131966.14	1270.873664	-0.41916	0.361662	-1.15899	0.246458
ENSG00000088833.17	1272.38671	-0.23184	0.350749	-0.66098	0.508624
ENSG00000213949.10	1273.601496	-0.45809	0.32116	-1.42635	0.153768
ENSG00000164949.8	1274.684656	-1.18491	0.435224	-2.72252	0.006479
ENSG00000178952.11	1275.018252	-0.04361	0.320902	-0.13589	0.891912
ENSG00000125445.11	1275.472128	-0.13534	0.322271	-0.41996	0.674517
ENSG00000144118.14	1276.323613	-0.45619	0.44781	-1.01871	0.308343
ENSG00000129351.17	1276.508943	0.427856	0.32242	1.327014	0.184504
ENSG00000112339.15	1276.636425	-0.57441	0.396062	-1.4503	0.146976
ENSG00000198833.7	1277.46849	-0.55966	0.330193	-1.69495	0.090086
ENSG00000263001.6	1278.548901	0.012205	0.361281	0.033782	0.973051
ENSG00000156875.14	1279.576913	-0.93546	0.426228	-2.19475	0.028182
ENSG00000135677.11	1280.010478	-0.44016	0.334606	-1.31546	0.188356
ENSG00000144848.11	1281.045921	-0.39883	0.326385	-1.22195	0.221727
ENSG00000141526.17	1283.517627	-0.34977	0.512952	-0.68187	0.495322
ENSG00000102910.14	1283.643462	-0.45216	0.348995	-1.29561	0.19511
ENSG00000143418.20	1283.821948	-0.00416	0.3365	-0.01235	0.990147
ENSG00000179295.18	1284.434379	-0.28252	0.344633	-0.81976	0.412352
ENSG00000029993.15	1284.851475	0.034442	0.416532	0.082689	0.934099
ENSG00000123136.15	1285.362501	-0.14336	0.318264	-0.45045	0.652389
ENSG00000166974.13	1286.385031	-1.00754	0.376117	-2.67879	0.007389
ENSG00000077147.16	1286.655858	0.203922	0.316795	0.643703	0.519768
ENSG00000175592.9	1287.23092	-0.08301	0.325264	-0.25522	0.798552
ENSG00000100568.11	1287.421278	-0.06157	0.31825	-0.19348	0.846583
ENSG00000078618.22	1287.662352	0.113125	0.31871	0.354948	0.722629
ENSG00000172965.17	1289.438599	0.150848	0.3163	0.476914	0.633423
ENSG00000153130.17	1289.51487	-0.45867	0.375117	-1.22274	0.221427
ENSG00000166595.12	1289.666661	0.049487	0.311837	0.158696	0.873908
ENSG00000113583.8	1289.786984	-0.46723	0.399343	-1.17	0.242
ENSG00000109854.13	1293.155513	-0.77001	0.359302	-2.14306	0.032108
ENSG00000100650.16	1293.801702	-0.13075	0.320053	-0.40851	0.682898
ENSG00000069849.11	1294.540523	-0.25697	0.365384	-0.70328	0.481879

ENSG00000138131.4	1294.589826	-0.97309	0.509129	-1.91129	0.055967
ENSG0000013364.19	1294.918096	0.359577	0.35939	1.000521	0.317058
ENSG00000141543.12	1295.275571	-0.52189	0.345379	-1.51107	0.130771
ENSG00000182054.10	1297.058708	-0.59238	0.363124	-1.63133	0.10282
ENSG00000182154.8	1297.420031	0.520221	0.345885	1.504031	0.132573
ENSG00000260916.7	1298.096517	-0.76176	0.367662	-2.07189	0.038275
ENSG00000163694.15	1298.549882	-0.29684	0.342103	-0.86769	0.385563
ENSG00000135446.17	1298.604016	-0.05333	0.315352	-0.1691	0.86572
ENSG00000102978.13	1299.290768	-0.40508	0.393507	-1.02942	0.303282
ENSG00000219200.11	1300.665715	-0.22736	0.340027	-0.66865	0.503721
ENSG00000255302.5	1300.933425	0.299692	0.316135	0.947987	0.343136
ENSG00000126653.18	1301.207618	0.171067	0.356704	0.479577	0.631528
ENSG00000047849.21	1301.450623	0.147061	0.326546	0.450355	0.652454
ENSG00000095752.7	1303.216891	0.620145	0.448796	1.381796	0.167034
ENSG00000136938.9	1303.711038	0.273172	0.385573	0.708482	0.478646
ENSG00000110002.16	1303.951026	-0.52893	0.372902	-1.41842	0.156069
ENSG00000189266.13	1304.005862	0.036866	0.385798	0.095558	0.923872
ENSG00000046604.13	1304.125375	-0.44291	0.349061	-1.26885	0.204496
ENSG00000205531.13	1305.149174	0.007233	0.324101	0.022317	0.982195
ENSG00000249915.8	1305.501267	-0.30607	0.315242	-0.97089	0.331602
ENSG00000146457.16	1305.940014	0.181779	0.369852	0.491491	0.623079
ENSG00000275052.5	1306.807937	-0.44201	0.356148	-1.24109	0.214573
ENSG00000140374.16	1307.209589	-0.19585	0.340676	-0.57487	0.565377
ENSG00000171988.19	1307.925811	-0.51934	0.355494	-1.4609	0.144042
ENSG00000134108.14	1310.260068	-0.23713	0.316159	-0.75004	0.453233
ENSG00000117118.10	1310.545054	-0.2116	0.316591	-0.66835	0.503907
ENSG00000087502.18	1310.961765	-0.44804	0.348753	-1.28469	0.1989
ENSG00000173540.13	1312.188432	-0.3441	0.330065	-1.04251	0.297175
ENSG00000005486.17	1312.462229	-0.62653	0.393059	-1.59398	0.11094
ENSG00000173113.7	1312.617172	0.171203	0.319954	0.535088	0.592589
ENSG00000117523.16	1312.897152	0.140958	0.326914	0.431179	0.666338
ENSG00000175220.12	1314.219001	-0.10352	0.356161	-0.29067	0.771307
ENSG00000111371.16	1314.417154	-0.83691	0.32636	-2.56439	0.010336
ENSG00000141682.12	1314.606949	-0.38944	0.462392	-0.84224	0.399655
ENSG00000204370.13	1315.162549	-0.32895	0.400665	-0.82101	0.411643
ENSG00000057019.16	1315.535455	-0.19192	0.376935	-0.50917	0.610635
ENSG00000078018.20	1315.832282	-0.80185	0.356994	-2.24612	0.024696
ENSG00000257103.8	1316.420246	-0.49612	0.325774	-1.52288	0.127788
ENSG00000112306.8	1319.171225	0.623812	0.369625	1.687691	0.091471
ENSG00000115866.11	1320.273894	-0.18845	0.356806	-0.52816	0.597389
ENSG00000107438.9	1321.056864	-0.35993	0.355987	-1.01107	0.311982
ENSG00000183431.12	1323.921898	-0.2796	0.31474	-0.88836	0.374348
ENSG00000100926.15	1324.003117	-0.15573	0.352575	-0.44169	0.658712
ENSG00000058272.19	1324.98039	-0.41275	0.348765	-1.18346	0.236625
ENSG00000071537.14	1327.404243	-0.27911	0.341185	-0.81807	0.41332
ENSG00000101150.18	1329.291343	-0.24066	0.327692	-0.73441	0.462701
ENSG00000165732.13	1329.721279	0.245882	0.31907	0.770619	0.440933
ENSG00000168653.11	1333.291559	0.152372	0.315526	0.482913	0.629158
ENSG00000114573.10	1334.595826	-0.30043	0.333169	-0.90172	0.367205
ENSG00000253729.8	1334.80435	5.10E-05	0.313106	0.000163	0.99987
ENSG00000050130.18	1335.743169	-0.77741	0.396139	-1.96246	0.049709
ENSG00000128228.5	1336.102239	0.234302	0.326064	0.718576	0.472402

ENSG00000167770.11	1336.50437	-0.24968	0.356968	-0.69945	0.48427
ENSG00000197324.9	1338.219516	0.219315	0.37432	0.585904	0.55794
ENSG00000117632.23	1338.974909	-0.32016	0.372546	-0.85939	0.390124
ENSG00000165006.14	1339.142224	-0.35686	0.361646	-0.98676	0.323761
ENSG00000197045.13	1339.738721	-0.91957	0.331055	-2.7777	0.005475
ENSG00000013275.8	1340.343355	-0.33632	0.32932	-1.02124	0.30714
ENSG00000173436.15	1342.057146	0.413794	0.356876	1.159489	0.246257
ENSG00000270149.5	1342.668755	-0.58551	0.357307	-1.63867	0.101281
ENSG00000173905.9	1342.789485	-0.20811	0.379768	-0.548	0.583695
ENSG00000132522.16	1343.934812	0.053481	0.318646	0.167839	0.86671
ENSG00000100632.11	1347.523335	-0.15343	0.329198	-0.46608	0.64116
ENSG00000140497.16	1347.604436	-0.63989	0.369409	-1.73219	0.083239
ENSG00000204463.12	1347.887002	0.274889	0.314987	0.872697	0.382828
ENSG00000023318.8	1351.54736	-0.69652	0.339142	-2.05378	0.039997
ENSG00000065534.19	1352.684414	1.101981	0.408027	2.700753	0.006918
ENSG00000073584.20	1353.277682	-0.15257	0.333356	-0.45769	0.647177
ENSG00000100138.15	1354.134612	0.02665	0.312117	0.085384	0.931956
ENSG00000177879.17	1358.742712	-0.37496	0.375143	-0.9995	0.317551
ENSG00000167461.12	1359.273236	-0.51432	0.362731	-1.41792	0.156215
ENSG00000105254.12	1363.080994	-0.17612	0.314587	-0.55983	0.575595
ENSG00000100353.18	1365.207942	-0.0605	0.333835	-0.18123	0.85619
ENSG00000123908.12	1365.96048	-0.61142	0.389382	-1.57022	0.116364
ENSG00000100354.21	1366.055269	-0.13794	0.392819	-0.35114	0.725481
ENSG00000122958.15	1367.329151	-0.74283	0.381274	-1.94829	0.05138
ENSG00000125629.15	1369.074209	-0.41175	0.370167	-1.11234	0.265994
ENSG00000077380.16	1370.585827	0.126132	0.336571	0.374756	0.707842
ENSG00000130770.18	1370.768683	0.332246	0.316815	1.048707	0.294313
ENSG00000102172.16	1370.842919	-0.12904	0.319238	-0.40422	0.686049
ENSG00000073008.15	1370.91451	-0.1016	0.314741	-0.32281	0.746837
ENSG00000167863.12	1372.906212	0.119238	0.312046	0.382117	0.702375
ENSG00000176014.13	1373.559116	0.192126	0.344783	0.557238	0.577365
ENSG00000176978.14	1374.001578	-0.08998	0.332921	-0.27027	0.786954
ENSG00000198160.14	1374.048211	-0.56976	0.315868	-1.80378	0.071266
ENSG00000181026.15	1374.11802	-0.57757	0.333434	-1.73219	0.08324
ENSG00000154640.15	1377.520267	-0.33664	0.329631	-1.02127	0.307127
ENSG00000134970.14	1378.433011	-0.47915	0.349158	-1.37229	0.169972
ENSG00000129226.14	1378.836605	-0.38815	0.366763	-1.05831	0.289913
ENSG00000153147.6	1380.29405	0.312052	0.320288	0.974287	0.329914
ENSG00000131100.13	1381.765297	-0.43704	0.334957	-1.30476	0.191974
ENSG00000131446.17	1382.620598	0.177209	0.347531	0.509909	0.610115
ENSG00000130175.9	1382.651074	0.038615	0.313095	0.123334	0.901842
ENSG00000111711.10	1383.543531	-0.82748	0.331184	-2.49855	0.01247
ENSG00000184752.13	1383.616393	0.235053	0.353212	0.665473	0.505748
ENSG00000115875.19	1384.580576	-0.18263	0.333533	-0.54756	0.583992
ENSG00000162496.9	1386.685016	-0.09775	0.438397	-0.22296	0.823566
ENSG00000141551.14	1386.808202	-0.14788	0.329671	-0.44858	0.653736
ENSG00000173786.17	1388.75755	-0.18114	0.408094	-0.44387	0.657137
ENSG00000100401.20	1391.353169	0.527141	0.324076	1.626594	0.103823
ENSG00000179115.11	1393.086948	-0.27921	0.340703	-0.8195	0.412502
ENSG00000089248.7	1394.896472	-0.25868	0.33156	-0.7802	0.435274
ENSG00000198492.16	1395.090455	-0.31209	0.328396	-0.95034	0.341937
ENSG00000169925.17	1396.431533	-0.62479	0.369042	-1.69301	0.090454

ENSG00000213614.10	1396.524482	-0.42426	0.321231	-1.32072	0.186594
ENSG00000196704.13	1396.80908	-0.48288	0.320081	-1.50863	0.131394
ENSG00000022840.16	1397.275462	0.169015	0.316497	0.534018	0.593329
ENSG00000113719.16	1398.253099	-0.33513	0.409497	-0.81839	0.413136
ENSG00000111481.10	1398.954962	-0.54141	0.337837	-1.60259	0.109026
ENSG00000213465.8	1399.004955	-0.33713	0.323989	-1.04057	0.298075
ENSG00000167778.9	1399.241786	-0.40926	0.372548	-1.09855	0.271966
ENSG00000133318.14	1400.199214	-0.48909	0.364683	-1.34114	0.179876
ENSG00000169021.6	1400.819014	0.377221	0.39251	0.961048	0.336528
ENSG00000078668.14	1401.075445	-0.58885	0.376503	-1.56399	0.11782
ENSG00000148154.10	1401.542346	-0.17206	0.311675	-0.55205	0.580913
ENSG00000106245.11	1401.740748	-0.08302	0.380074	-0.21844	0.827085
ENSG00000165650.12	1402.205049	-0.43507	0.410394	-1.06014	0.289081
ENSG00000078369.18	1402.905592	0.46262	0.313226	1.476953	0.139688
ENSG00000074416.14	1404.264582	-0.25929	0.325004	-0.7978	0.424986
ENSG00000177731.16	1405.168222	0.513344	0.322166	1.593418	0.111067
ENSG00000177885.15	1406.025134	-0.16734	0.316135	-0.52933	0.596576
ENSG00000184575.12	1406.485261	-1.01534	0.367117	-2.76571	0.00568
ENSG00000129636.13	1407.288275	-0.57577	0.360762	-1.59597	0.110495
ENSG00000162772.17	1407.593969	-0.83614	0.453461	-1.8439	0.065198
ENSG00000151247.12	1408.945167	-0.73458	0.388952	-1.88861	0.058944
ENSG00000152558.15	1409.4443	-0.66094	0.385833	-1.71301	0.086711
ENSG00000092010.15	1409.517381	-0.09778	0.322907	-0.30281	0.762035
ENSG00000142552.8	1410.079749	-0.09917	0.321504	-0.30846	0.757732
ENSG00000135720.13	1410.440378	-0.40229	0.361124	-1.11399	0.265284
ENSG00000173702.7	1411.322617	-0.26625	0.371193	-0.71727	0.473208
ENSG00000120699.13	1412.922395	0.26277	0.333751	0.787325	0.431092
ENSG00000211455.8	1413.184309	0.010306	0.344508	0.029914	0.976136
ENSG00000149136.9	1413.251411	0.311966	0.334907	0.931499	0.351596
ENSG00000100225.18	1414.522381	-0.63703	0.348496	-1.82793	0.06756
ENSG00000197756.10	1414.812403	0.804057	0.379383	2.119378	0.034059
ENSG00000149084.13	1417.427025	-0.57356	0.353778	-1.62124	0.104966
ENSG00000197061.5	1417.946977	0.494967	0.312026	1.586302	0.112671
ENSG00000130985.17	1418.856953	0.465889	0.318017	1.464984	0.142925
ENSG00000165410.15	1419.248268	-0.1317	0.348855	-0.37752	0.705785
ENSG00000215301.11	1421.888261	-0.16818	0.32991	-0.50978	0.610204
ENSG00000112419.14	1423.268526	-0.57027	0.314958	-1.81063	0.070198
ENSG00000183696.14	1423.312743	-0.04339	0.513452	-0.08451	0.932649
ENSG00000074319.13	1425.380538	-0.20327	0.351456	-0.57838	0.56301
ENSG00000091527.16	1425.741582	-0.13025	0.317566	-0.41014	0.681701
ENSG00000185359.13	1429.748246	-0.0173	0.375903	-0.04603	0.963284
ENSG00000120948.18	1433.108986	-0.17762	0.339122	-0.52377	0.600439
ENSG00000138385.16	1433.237774	-0.35294	0.319643	-1.10416	0.269526
ENSG00000173486.14	1433.870938	-0.1121	0.33709	-0.33256	0.739463
ENSG00000160888.7	1434.715909	-0.16595	0.334984	-0.49538	0.620331
ENSG00000188612.12	1435.501261	-0.18641	0.348803	-0.53442	0.59305
ENSG00000128609.15	1435.516125	-0.26747	0.366947	-0.7289	0.466063
ENSG00000126581.13	1437.115697	-0.17914	0.319297	-0.56105	0.574764
ENSG00000158201.10	1437.431848	-0.90988	0.407404	-2.23336	0.025525
ENSG00000122359.18	1437.792325	0.264236	0.3179	0.831193	0.405865
ENSG00000104805.16	1437.79381	-0.12357	0.319905	-0.38628	0.699292
ENSG00000009844.16	1438.987258	-0.60993	0.357511	-1.70603	0.088002

ENSG00000163382.12	1441.504879	-0.16551	0.332933	-0.49712	0.619105
ENSG00000055044.11	1441.667126	-0.08593	0.309837	-0.27734	0.781521
ENSG00000147684.9	1441.997855	-0.02595	0.309949	-0.08373	0.933274
ENSG00000177963.14	1443.7613	-0.20424	0.353394	-0.57793	0.563314
ENSG00000145817.17	1445.274003	-0.45689	0.336629	-1.35726	0.174699
ENSG00000144591.19	1447.17202	-0.16286	0.319655	-0.50948	0.610418
ENSG00000084754.12	1447.30351	-0.11929	0.335905	-0.35514	0.722488
ENSG00000085224.23	1447.393248	-0.38109	0.329095	-1.158	0.246864
ENSG00000174021.11	1447.561185	0.185369	0.329513	0.562555	0.573738
ENSG00000163636.11	1447.955897	-0.15198	0.349769	-0.43452	0.663912
ENSG00000167797.8	1448.168001	-0.46517	0.379075	-1.22712	0.219779
ENSG00000204619.8	1448.549639	-0.31453	0.417407	-0.75353	0.451134
ENSG00000142230.13	1448.808554	-0.19078	0.391001	-0.48792	0.625606
ENSG00000071054.16	1449.190955	0.406919	0.34005	1.196646	0.231445
ENSG00000089063.15	1454.033294	-0.35768	0.392655	-0.91093	0.362332
ENSG00000070010.19	1455.017935	-0.32027	0.325458	-0.98405	0.325092
ENSG00000118939.18	1455.136903	-0.2664	0.354263	-0.75198	0.452063
ENSG00000115415.20	1455.650449	-0.33905	0.369078	-0.91863	0.35829
ENSG00000127445.14	1456.838214	0.041569	0.410446	0.101279	0.919329
ENSG00000184205.14	1456.908086	-0.74942	0.318608	-2.35216	0.018665
ENSG00000082898.17	1457.881139	-0.1943	0.319638	-0.60787	0.543276
ENSG00000134248.13	1461.277713	0.056025	0.331798	0.168851	0.865914
ENSG00000132471.12	1461.379723	-0.58103	0.335731	-1.73064	0.083516
ENSG00000085117.12	1462.039517	-0.75238	0.371943	-2.02283	0.04309
ENSG00000155096.14	1462.893719	-0.63476	0.338264	-1.87653	0.060583
ENSG00000145423.5	1463.355486	-0.76964	0.376039	-2.04669	0.040688
ENSG00000169813.16	1463.583037	-0.17475	0.35401	-0.49362	0.621574
ENSG00000122034.16	1463.888705	-0.43931	0.322247	-1.36326	0.1728
ENSG00000102158.20	1464.304335	-0.44588	0.320189	-1.39256	0.163753
ENSG00000004478.8	1466.898449	0.281015	0.33697	0.833945	0.404312
ENSG00000163444.12	1467.538924	-0.44463	0.336828	-1.32004	0.186822
ENSG00000205336.13	1467.840624	-0.32299	0.322186	-1.0025	0.316103
ENSG00000138757.14	1468.745855	-0.43085	0.339684	-1.26839	0.204657
ENSG00000176871.9	1470.805853	0.246802	0.323009	0.76407	0.444825
ENSG00000111912.20	1471.180268	-0.43853	0.34614	-1.26692	0.205184
ENSG00000139278.10	1472.379482	-0.48266	0.367902	-1.31192	0.189547
ENSG00000126067.12	1472.844702	0.017169	0.314239	0.054636	0.956429
ENSG00000107679.14	1475.753772	-1.18633	0.373862	-3.17317	0.001508
ENSG00000105193.9	1475.989227	0.513387	0.340205	1.509053	0.131285
ENSG00000002834.18	1476.854915	0.542932	0.393578	1.379478	0.167748
ENSG00000139218.18	1477.773129	0.078598	0.334064	0.235277	0.813994
ENSG00000089597.18	1478.631276	-0.29179	0.400043	-0.72939	0.465762
ENSG00000154582.17	1479.930839	0.151525	0.349257	0.433851	0.664397
ENSG00000182551.14	1480.12067	-0.33878	0.351887	-0.96274	0.335678
ENSG00000135316.18	1480.311538	-0.06968	0.411931	-0.16915	0.865679
ENSG00000100554.12	1482.21693	-0.26032	0.329123	-0.79096	0.428965
ENSG00000131016.17	1482.602073	0.658101	0.369651	1.780333	0.075021
ENSG00000170242.19	1483.201317	-0.36533	0.347105	-1.0525	0.292568
ENSG00000125534.10	1485.164759	-0.34732	0.324701	-1.06967	0.284769
ENSG00000239672.8	1485.627443	0.10738	0.315937	0.339879	0.733948
ENSG00000072042.13	1487.435088	-0.67162	0.436544	-1.5385	0.123927
ENSG00000171867.17	1487.453124	-0.09095	0.336814	-0.27003	0.78714

ENSG00000125743.10	1487.677108	0.236827	0.312994	0.756649	0.44926
ENSG00000105355.9	1490.018311	0.112274	0.337411	0.332751	0.739322
ENSG00000133816.16	1490.506157	-0.00367	0.333227	-0.01102	0.991208
ENSG00000138073.14	1490.704346	-0.4264	0.3254	-1.31038	0.190067
ENSG00000075142.14	1490.802335	-0.43207	0.326431	-1.32363	0.185626
ENSG00000162695.12	1491.495999	-0.44824	0.402805	-1.11279	0.265801
ENSG00000106537.8	1491.640934	-0.85137	0.375136	-2.2695	0.023238
ENSG00000163110.15	1492.639353	-0.16233	0.356657	-0.45515	0.649003
ENSG00000125991.20	1492.760541	-0.11193	0.319743	-0.35007	0.726285
ENSG00000135919.14	1493.423356	-0.54595	0.393323	-1.38804	0.165126
ENSG00000165507.9	1495.137854	-1.40521	0.430606	-3.26333	0.001101
ENSG00000010278.14	1496.608532	-0.41787	0.37332	-1.11934	0.262994
ENSG00000101474.12	1496.772633	-0.58053	0.348236	-1.66705	0.095505
ENSG00000057608.17	1497.911075	-0.26327	0.318709	-0.82605	0.408776
ENSG00000136068.15	1497.936779	0.34446	0.320639	1.074291	0.282692
ENSG00000119185.13	1499.689206	-0.00578	0.334783	-0.01727	0.986224
ENSG00000145741.15	1500.442655	-0.10232	0.341881	-0.29927	0.764731
ENSG00000110108.10	1501.797626	-0.27789	0.340599	-0.81588	0.414567
ENSG00000127948.16	1501.850569	-0.4337	0.320406	-1.35358	0.17587
ENSG00000100600.15	1502.089547	-0.52269	0.34876	-1.4987	0.13395
ENSG00000175756.13	1502.511861	0.07949	0.313959	0.253185	0.800125
ENSG00000139641.13	1504.097741	0.202929	0.334417	0.606815	0.543974
ENSG00000142168.15	1504.527175	-0.35768	0.344884	-1.0371	0.299687
ENSG00000149923.14	1505.296209	0.36452	0.397542	0.916933	0.359178
ENSG00000151239.14	1506.655588	-0.54076	0.38673	-1.39829	0.162027
ENSG00000143771.12	1507.923345	-0.14775	0.311361	-0.47453	0.635121
ENSG00000189306.11	1508.57326	0.165037	0.355215	0.464611	0.64221
ENSG00000134825.16	1509.004334	0.308979	0.316549	0.976086	0.329022
ENSG00000141959.17	1510.63364	-0.09009	0.364226	-0.24734	0.804643
ENSG00000114439.19	1511.897065	-0.69252	0.3148	-2.19988	0.027815
ENSG00000130779.20	1512.739306	-0.35031	0.309825	-1.13068	0.258188
ENSG00000177889.10	1514.044881	-0.35471	0.425816	-0.83302	0.404832
ENSG00000114391.13	1515.574439	0.112838	0.340262	0.33162	0.740176
ENSG00000132485.14	1516.411027	0.0105	0.317323	0.033088	0.973605
ENSG00000130638.17	1516.892233	-0.47429	0.380976	-1.24493	0.213156
ENSG00000182149.21	1517.069078	-0.70493	0.337068	-2.09137	0.036495
ENSG00000062194.16	1519.592181	-0.37415	0.311838	-1.19983	0.230205
ENSG00000285976.2	1521.899761	-0.82532	0.376604	-2.19149	0.028417
ENSG00000099901.17	1522.187616	0.443968	0.391866	1.132957	0.257232
ENSG00000179889.19	1522.338418	-0.24293	0.333756	-0.72787	0.466695
ENSG00000083312.17	1522.981353	-0.02846	0.330151	-0.0862	0.931305
ENSG00000178719.17	1523.336805	-0.40075	0.377828	-1.06067	0.288839
ENSG00000152795.17	1524.149748	-0.0966	0.317541	-0.3042	0.760974
ENSG00000163435.16	1524.580476	-0.75148	0.3856	-1.94885	0.051313
ENSG00000149792.9	1526.727158	-0.37329	0.351621	-1.06162	0.28841
ENSG00000197958.13	1526.904201	0.176125	0.366982	0.479928	0.631279
ENSG00000133706.19	1526.950572	-0.09353	0.331943	-0.28176	0.778126
ENSG00000266412.5	1528.589682	-0.42947	0.386618	-1.11085	0.266633
ENSG00000108828.16	1528.847616	0.190691	0.311732	0.611713	0.540728
ENSG00000133313.15	1529.578464	0.043078	0.318754	0.135145	0.892498
ENSG00000003989.18	1530.126497	-0.34528	0.410737	-0.84064	0.40055
ENSG00000147010.18	1530.930014	-0.60698	0.411663	-1.47446	0.140358

ENSG00000241553.12	1531.512041	0.258975	0.334365	0.774528	0.438619
ENSG00000167522.16	1532.063574	0.409604	0.425643	0.962317	0.33589
ENSG00000277791.5	1532.352915	-0.01362	0.312295	-0.04363	0.965203
ENSG00000004142.12	1532.465261	-0.36468	0.367858	-0.99137	0.321507
ENSG00000139697.14	1532.62532	-0.56177	0.354944	-1.58271	0.113488
ENSG00000168528.12	1534.521622	-0.30028	0.358451	-0.83771	0.402193
ENSG00000187051.9	1534.808649	0.012734	0.319375	0.03987	0.968196
ENSG00000228253.1	1535.315033	-0.1087	0.418958	-0.25944	0.795294
ENSG00000166226.13	1535.382744	0.06979	0.32405	0.21537	0.829479
ENSG00000187498.16	1537.445894	0.171827	0.312264	0.550263	0.582139
ENSG00000127914.17	1538.811514	-0.51726	0.357036	-1.44875	0.147406
ENSG00000129084.18	1539.766255	-0.20023	0.326298	-0.61363	0.539461
ENSG00000147274.14	1540.511449	-0.1078	0.364892	-0.29542	0.767673
ENSG00000131508.16	1542.170761	-0.33291	0.341587	-0.9746	0.329759
ENSG00000143401.15	1543.633496	-0.02171	0.39934	-0.05437	0.956639
ENSG00000182117.6	1544.12728	0.568581	0.353099	1.610258	0.107341
ENSG00000171617.14	1544.914258	-0.81787	0.520742	-1.57059	0.116278
ENSG00000167468.18	1550.57769	-0.42766	0.356092	-1.20098	0.22976
ENSG00000146223.16	1552.219737	-0.39462	0.320819	-1.23003	0.218686
ENSG00000198015.13	1552.232219	-0.4975	0.335028	-1.48496	0.137555
ENSG00000111639.8	1552.302507	0.213713	0.311814	0.685386	0.493101
ENSG00000100266.19	1554.699686	-0.43847	0.315073	-1.39166	0.164027
ENSG00000120805.14	1556.946923	-0.43646	0.323837	-1.34777	0.177733
ENSG00000023287.13	1560.775596	-0.61368	0.324718	-1.88989	0.058773
ENSG00000142227.11	1561.005113	0.106827	0.354178	0.301618	0.762943
ENSG00000093010.14	1561.276424	-0.55621	0.338839	-1.64151	0.100691
ENSG00000177156.11	1562.214245	-0.27625	0.336278	-0.82149	0.411367
ENSG00000125835.19	1564.368681	0.081634	0.313133	0.2607	0.794324
ENSG00000138600.10	1565.357822	-0.68351	0.327372	-2.08786	0.03681
ENSG00000007080.11	1568.643059	0.0213	0.309115	0.068907	0.945064
ENSG00000091317.8	1568.714303	-0.30234	0.356809	-0.84733	0.39681
ENSG00000150961.15	1569.03297	-0.25463	0.336796	-0.75603	0.449629
ENSG00000140575.13	1569.192885	0.48948	0.32912	1.487236	0.136952
ENSG00000151465.14	1570.590314	-0.30987	0.339616	-0.91243	0.361545
ENSG00000050405.13	1571.210711	-0.36362	0.347203	-1.04727	0.294975
ENSG00000198832.10	1571.940498	0.048661	0.327527	0.148571	0.881892
ENSG00000136238.18	1574.500995	0.574971	0.32225	1.78424	0.074385
ENSG00000158604.15	1574.683311	-0.32974	0.379082	-0.86985	0.384384
ENSG00000100567.13	1574.698386	-0.24812	0.318684	-0.77857	0.436235
ENSG00000148180.20	1574.760993	-0.09478	0.312629	-0.30317	0.761762
ENSG00000241468.8	1579.476256	0.30391	0.320598	0.947948	0.343156
ENSG00000130520.11	1579.915537	-0.12676	0.312778	-0.40527	0.685276
ENSG00000114902.14	1580.494788	-0.22244	0.335055	-0.66389	0.506763
ENSG00000169564.7	1581.370337	0.667369	0.463542	1.439717	0.149948
ENSG00000166181.13	1582.427353	-0.47955	0.383954	-1.24897	0.211676
ENSG00000113739.10	1583.389045	-0.66936	0.356366	-1.87828	0.060343
ENSG00000106628.10	1583.395999	-0.04431	0.343213	-0.12912	0.897267
ENSG00000188529.15	1585.365215	-0.22039	0.319541	-0.6897	0.490386
ENSG00000157020.18	1585.523079	-0.14543	0.31967	-0.45494	0.649151
ENSG00000133110.15	1585.733588	-0.06138	0.317226	-0.1935	0.846565
ENSG00000196591.12	1585.855054	-0.38922	0.33503	-1.16174	0.24534
ENSG00000174695.10	1586.359269	-0.05771	0.363141	-0.15892	0.873734

ENSG00000159069.14	1586.795247	-0.29649	0.358602	-0.82679	0.408355
ENSG00000174780.17	1588.316696	-0.41519	0.311575	-1.33256	0.182676
ENSG00000124172.10	1590.046396	0.36841	0.334555	1.101195	0.270812
ENSG00000105281.12	1590.915348	-0.13685	0.354436	-0.38612	0.699408
ENSG00000127603.29	1592.120068	-0.09881	0.337297	-0.29294	0.76957
ENSG00000115738.10	1592.150407	-0.7143	0.479381	-1.49005	0.136211
ENSG00000136758.19	1594.115007	-0.16193	0.320976	-0.50451	0.613906
ENSG00000161654.10	1595.382034	-0.19207	0.414306	-0.4636	0.642934
ENSG00000182809.11	1595.520101	-0.48324	0.386782	-1.2494	0.21152
ENSG00000149100.13	1596.571842	-0.28839	0.328132	-0.87888	0.379465
ENSG00000141232.5	1598.987744	-0.60075	0.467598	-1.28476	0.198875
ENSG00000275896.5	1599.445546	-0.40016	0.388421	-1.03024	0.3029
ENSG00000262831.1	1600.063298	-0.01495	0.309639	-0.04827	0.961502
ENSG00000177683.14	1601.199338	-0.17665	0.325158	-0.54326	0.586949
ENSG00000177600.9	1603.709871	0.740502	0.445905	1.660672	0.096779
ENSG00000117448.13	1609.300369	-0.30861	0.336381	-0.91743	0.358915
ENSG00000198961.10	1610.528448	-0.50438	0.315293	-1.59973	0.109659
ENSG00000143183.17	1610.836241	-0.30875	0.343226	-0.89954	0.368363
ENSG00000106565.18	1614.046229	-0.74585	0.417164	-1.7879	0.073792
ENSG00000204386.11	1616.180428	-0.72572	0.346705	-2.09319	0.036333
ENSG00000196792.12	1616.933854	-0.43006	0.420599	-1.02249	0.30655
ENSG00000103769.10	1617.459303	-0.561	0.333447	-1.68243	0.092486
ENSG00000167881.15	1618.630875	-0.06412	0.3649	-0.17572	0.860512
ENSG00000130508.11	1618.704696	0.014707	0.328131	0.044821	0.96425
ENSG00000181885.18	1622.0408	-0.11144	0.379716	-0.29348	0.769155
ENSG00000116171.19	1625.678654	-0.59997	0.381039	-1.57456	0.115358
ENSG00000163931.16	1625.93758	-0.24877	0.345606	-0.71981	0.471642
ENSG00000111716.14	1627.536416	0.134904	0.314568	0.428854	0.66803
ENSG00000080822.17	1628.833111	-0.52984	0.377003	-1.4054	0.159904
ENSG00000125968.9	1629.505008	-0.6409	0.457525	-1.40079	0.161276
ENSG00000150687.12	1633.683717	-0.617	0.394595	-1.56362	0.117906
ENSG00000174501.14	1635.476223	-0.50485	0.380079	-1.32827	0.18409
ENSG00000149428.19	1636.169125	0.411101	0.330895	1.242392	0.214092
ENSG00000115216.14	1637.321454	-0.30843	0.317836	-0.9704	0.331845
ENSG00000136450.13	1637.751687	0.120414	0.325102	0.370388	0.711094
ENSG00000108010.12	1640.439809	-0.1816	0.315536	-0.57552	0.564942
ENSG00000159840.16	1642.314072	0.251552	0.418778	0.600681	0.548053
ENSG00000158864.12	1643.765301	-0.45262	0.36883	-1.22717	0.21976
ENSG00000133657.16	1644.010026	-0.42395	0.322585	-1.31424	0.188765
ENSG00000075415.13	1645.22974	0.185796	0.319718	0.581125	0.561156
ENSG00000104408.10	1645.89481	-0.13982	0.326429	-0.42835	0.6684
ENSG00000163069.13	1646.230162	-0.5984	0.380519	-1.5726	0.115812
ENSG00000114942.14	1648.277704	0.122711	0.32254	0.380453	0.703609
ENSG00000131238.18	1648.608926	-0.85002	0.394134	-2.15668	0.03103
ENSG00000185896.11	1649.2614	0.204778	0.360821	0.567532	0.570353
ENSG00000100201.22	1651.33781	-0.09129	0.324636	-0.2812	0.77856
ENSG00000123349.14	1652.075373	-0.09412	0.339919	-0.27689	0.781864
ENSG00000205302.7	1657.803217	-0.70572	0.346508	-2.03668	0.041682
ENSG00000116459.11	1659.923152	-0.27108	0.329049	-0.82383	0.410036
ENSG00000204580.13	1665.345964	-0.35545	0.341056	-1.04221	0.297313
ENSG00000116044.16	1666.896857	-0.19714	0.313083	-0.62968	0.528907
ENSG00000166224.17	1667.09958	-0.68599	0.381796	-1.79674	0.072376

ENSG00000144580.14	1667.103918	-0.12639	0.373671	-0.33824	0.735184
ENSG00000102007.11	1669.389216	-0.21398	0.346197	-0.61808	0.536523
ENSG00000106803.10	1671.583986	0.086016	0.32632	0.263594	0.792093
ENSG00000162368.13	1673.06023	-0.55758	0.37337	-1.49337	0.13534
ENSG00000180817.12	1675.947231	-0.39208	0.344639	-1.13766	0.25526
ENSG00000196504.19	1676.143267	-0.1558	0.345089	-0.45149	0.651636
ENSG00000182774.13	1676.712488	0.570724	0.416108	1.371574	0.170196
ENSG00000113083.14	1677.818593	-0.99509	0.380401	-2.6159	0.008899
ENSG00000213523.10	1679.608171	-0.19817	0.32009	-0.6191	0.535848
ENSG00000074696.13	1680.460107	-0.52685	0.383504	-1.37377	0.169514
ENSG00000089737.17	1682.905863	0.208717	0.323207	0.645767	0.51843
ENSG00000176046.9	1683.262844	-0.42984	0.440713	-0.97534	0.329392
ENSG00000183726.11	1683.436117	-0.64216	0.349795	-1.83581	0.066386
ENSG00000181789.14	1683.515044	0.094166	0.310396	0.303375	0.761604
ENSG00000160691.19	1685.348459	-0.3472	0.333689	-1.04048	0.298119
ENSG00000090339.9	1686.195324	-0.33195	0.33649	-0.98652	0.323878
ENSG00000120963.12	1687.020156	-0.29087	0.310773	-0.93597	0.34929
ENSG00000158195.11	1687.051387	-0.33047	0.313001	-1.05582	0.291049
ENSG00000117335.20	1687.429626	-1.08444	0.430992	-2.51615	0.011864
ENSG00000100934.15	1687.648538	-0.46019	0.372022	-1.23699	0.216092
ENSG00000127540.12	1688.938403	0.352735	0.321636	1.096691	0.272777
ENSG00000155304.6	1690.145209	-0.73916	0.354281	-2.08637	0.036945
ENSG00000107175.12	1690.319928	-0.13613	0.352437	-0.38624	0.699317
ENSG00000124795.17	1691.176868	0.266236	0.31082	0.85656	0.391688
ENSG00000015479.20	1691.177484	-0.35105	0.330316	-1.06278	0.287881
ENSG00000104763.20	1693.692165	-0.83926	0.368555	-2.27717	0.022776
ENSG00000135916.16	1694.63232	-0.53732	0.337885	-1.59024	0.111178
ENSG00000133027.18	1695.73442	-0.53949	0.394585	-1.36724	0.17155
ENSG00000133639.6	1696.518662	-0.01782	0.311785	-0.05715	0.954424
ENSG00000145354.12	1699.745179	-0.07082	0.322084	-0.21989	0.825959
ENSG00000078902.16	1701.89574	-0.45058	0.31946	-1.41044	0.15841
ENSG00000134352.20	1702.591664	-0.27462	0.311949	-0.88034	0.378676
ENSG00000197043.14	1709.801522	-0.0916	0.378158	-0.24224	0.808598
ENSG00000168288.13	1711.418661	-0.4162	0.335488	-1.24057	0.214764
ENSG00000067057.17	1712.345214	0.11188	0.331976	0.337011	0.736108
ENSG00000123240.17	1713.414122	-0.05925	0.325903	-0.18182	0.855727
ENSG00000167657.14	1714.051175	0.06869	0.352531	0.194849	0.845511
ENSG00000225921.7	1715.6522	-0.20878	0.312766	-0.66751	0.504445
ENSG00000135940.7	1715.822311	0.135942	0.324672	0.418706	0.675431
ENSG00000110700.7	1715.97073	-0.0401	0.364751	-0.10995	0.912452
ENSG00000100129.18	1718.579346	0.311868	0.334111	0.933426	0.3506
ENSG00000142676.14	1719.399409	0.150747	0.340005	0.443368	0.6575
ENSG00000029363.17	1719.878972	-0.23592	0.324076	-0.72797	0.466632
ENSG00000232112.3	1720.248844	0.695818	0.341568	2.037131	0.041637
ENSG00000182899.17	1721.490159	0.235825	0.328493	0.7179	0.472819
ENSG00000099194.6	1725.36627	-0.91281	0.459928	-1.98469	0.047179
ENSG00000125691.14	1727.28281	0.355407	0.311131	1.142305	0.253327
ENSG00000115307.17	1727.662043	-0.16572	0.332504	-0.49839	0.618211
ENSG00000138495.6	1727.756824	0.008157	0.314957	0.025897	0.979339
ENSG00000146540.15	1728.879455	-0.24613	0.310571	-0.7925	0.42807
ENSG00000162244.12	1729.025456	0.13154	0.319099	0.412224	0.680176
ENSG00000116754.13	1729.631523	-0.03166	0.318948	-0.09926	0.92093

ENSG00000101745.17	1730.190914	-0.59725	0.333	-1.79353	0.072888
ENSG00000158417.11	1730.303664	0.275489	0.307224	0.896704	0.369877
ENSG00000128989.11	1730.354353	-0.43649	0.30868	-1.41406	0.157344
ENSG00000171552.13	1730.575643	-0.31062	0.370701	-0.83793	0.402071
ENSG00000152492.15	1730.736207	-0.292	0.315116	-0.92663	0.354118
ENSG00000113328.19	1731.087892	-0.81115	0.360553	-2.24973	0.024466
ENSG00000144867.12	1731.104178	-0.19066	0.31876	-0.59814	0.549748
ENSG00000042753.12	1737.959256	0.260982	0.342875	0.761159	0.446562
ENSG00000198931.11	1738.847504	-0.03902	0.313085	-0.12462	0.900823
ENSG00000115234.11	1739.464891	-0.35041	0.326522	-1.07315	0.283203
ENSG00000196586.16	1739.505097	-0.48685	0.32782	-1.48513	0.13751
ENSG00000137845.15	1742.012062	-0.65874	0.349061	-1.88717	0.059138
ENSG00000139163.16	1743.495147	-0.48202	0.339025	-1.42178	0.15509
ENSG00000150347.16	1744.69938	-0.14784	0.314309	-0.47037	0.638091
ENSG00000186468.13	1744.896982	0.205553	0.344305	0.597007	0.550502
ENSG00000163714.18	1745.504756	-0.12788	0.31283	-0.40879	0.682691
ENSG00000152700.14	1745.924224	-0.23359	0.342386	-0.68223	0.495092
ENSG00000196878.15	1745.942845	-0.17472	0.340465	-0.51319	0.60782
ENSG00000198791.12	1747.019197	-0.48137	0.312092	-1.54241	0.122973
ENSG00000137312.15	1747.65557	-0.28298	0.315168	-0.89788	0.369251
ENSG00000092964.18	1748.492616	-0.51429	0.449298	-1.14465	0.252355
ENSG00000181467.5	1752.232764	-0.50948	0.329049	-1.54835	0.121538
ENSG00000197170.10	1752.73107	-0.32808	0.392496	-0.83587	0.403227
ENSG00000119048.8	1752.821321	-0.2832	0.331704	-0.85378	0.393227
ENSG00000169764.15	1754.553012	-0.3646	0.386475	-0.94341	0.345471
ENSG00000114978.18	1756.417493	-0.65314	0.339689	-1.92275	0.054512
ENSG00000184432.10	1756.936473	-0.26505	0.312393	-0.84844	0.396193
ENSG00000131473.17	1757.141424	-0.15354	0.401999	-0.38194	0.702504
ENSG00000112378.12	1759.825692	-0.65897	0.366914	-1.79597	0.0725
ENSG00000134375.11	1762.534863	-0.18531	0.323126	-0.57349	0.566311
ENSG00000149806.11	1763.087523	0.234188	0.35025	0.668631	0.503731
ENSG00000175582.20	1763.759539	-0.86445	0.357042	-2.42116	0.015471
ENSG00000134684.11	1768.615884	-0.51639	0.32167	-1.60533	0.108421
ENSG00000159720.12	1769.457008	-0.20861	0.324205	-0.64344	0.519936
ENSG00000089220.5	1770.180314	-0.32403	0.338879	-0.95618	0.338982
ENSG00000144746.7	1770.418325	-0.20127	0.325046	-0.61921	0.535777
ENSG00000128641.19	1770.418538	-0.01745	0.356645	-0.04894	0.96097
ENSG00000006451.8	1771.12915	0.018778	0.312505	0.060087	0.952086
ENSG00000198586.14	1771.762641	-0.77096	0.407669	-1.89115	0.058604
ENSG00000184076.13	1772.600321	0.612434	0.377116	1.623993	0.104377
ENSG00000112773.16	1774.25413	-0.31354	0.319251	-0.98211	0.326045
ENSG00000116857.17	1775.43287	-0.16062	0.310675	-0.517	0.605153
ENSG00000229124.7	1776.991705	-0.49669	0.363506	-1.36639	0.171816
ENSG00000105402.8	1778.028561	-0.28661	0.317508	-0.90267	0.3667
ENSG00000106588.11	1780.09416	-0.23737	0.321171	-0.73907	0.459862
ENSG00000097033.14	1782.138359	-0.68803	0.35967	-1.91294	0.055756
ENSG00000188994.13	1782.57587	-0.24296	0.41748	-0.58196	0.56059
ENSG00000182768.9	1783.084516	-0.06505	0.338374	-0.19224	0.847552
ENSG00000135047.15	1786.127295	-0.44097	0.372714	-1.18314	0.236752
ENSG00000159377.11	1788.803004	0.208466	0.337147	0.618324	0.536361
ENSG00000116221.15	1788.829329	-0.07063	0.350482	-0.20152	0.840289
ENSG00000185651.15	1790.141631	-0.02093	0.346954	-0.06033	0.951896

ENSG00000125148.7	1790.969694	-0.25662	0.398255	-0.64436	0.519341
ENSG00000139921.13	1791.508393	-0.89956	0.430933	-2.08748	0.036845
ENSG00000286037.1	1793.806212	-0.26085	0.32142	-0.81155	0.41705
ENSG00000100852.13	1793.930354	-0.73626	0.337778	-2.17971	0.029279
ENSG00000094916.16	1794.676102	-0.16404	0.314067	-0.5223	0.601462
ENSG00000118181.11	1794.828792	0.157327	0.365729	0.430172	0.66707
ENSG00000117152.13	1796.175566	-0.71945	0.420281	-1.71184	0.086927
ENSG00000166145.14	1796.946657	-0.29836	0.321882	-0.92691	0.353972
ENSG00000136279.21	1798.036047	-0.29048	0.389455	-0.74585	0.455756
ENSG00000198755.11	1799.031003	0.312088	0.348629	0.895186	0.370688
ENSG00000115762.16	1807.011075	-0.48748	0.31908	-1.52776	0.126573
ENSG00000111237.19	1808.573354	0.017967	0.371691	0.048337	0.961447
ENSG00000196923.14	1809.223513	-0.06805	0.387921	-0.17543	0.860745
ENSG00000013375.16	1810.739934	-0.67195	0.325133	-2.06669	0.038763
ENSG00000237550.5	1811.084395	0.234478	0.334127	0.701762	0.482828
ENSG00000198843.13	1811.729249	-0.77374	0.377176	-2.05141	0.040227
ENSG00000241685.10	1815.414847	0.221203	0.306549	0.72159	0.470546
ENSG00000155368.16	1817.103105	-0.22796	0.319624	-0.71321	0.475716
ENSG00000265241.7	1817.311312	0.086937	0.318934	0.272586	0.785171
ENSG00000125944.21	1818.289376	-0.0454	0.31961	-0.14206	0.887035
ENSG00000113387.12	1819.985458	-0.10076	0.312179	-0.32276	0.74688
ENSG00000127884.5	1822.627336	-0.22053	0.334049	-0.66019	0.509135
ENSG00000102024.18	1826.762611	-0.19009	0.363867	-0.52241	0.601382
ENSG00000135387.21	1828.373945	-0.31617	0.374948	-0.84323	0.399097
ENSG00000142949.17	1829.807495	0.159777	0.325956	0.49018	0.624007
ENSG00000104112.9	1833.069445	-1.1027	0.459409	-2.40026	0.016383
ENSG00000142156.15	1833.126346	0.493904	0.320772	1.539735	0.123625
ENSG00000164266.10	1833.551362	-0.1196	0.391102	-0.30581	0.759748
ENSG00000102109.9	1833.897419	-0.30155	0.393219	-0.76688	0.443156
ENSG00000142173.16	1835.638446	0.90966	0.350809	2.593036	0.009513
ENSG00000167283.8	1839.249787	0.164917	0.308003	0.53544	0.592345
ENSG00000071082.11	1840.301424	0.002362	0.37839	0.006243	0.995019
ENSG00000155957.18	1840.811469	-0.62136	0.393474	-1.57915	0.114301
ENSG00000106367.15	1842.366869	-0.04626	0.403356	-0.11468	0.908698
ENSG00000129559.13	1843.022474	0.209272	0.315357	0.663603	0.506944
ENSG00000164754.15	1843.562283	-0.45933	0.317328	-1.4475	0.147757
ENSG00000095380.11	1844.21446	-0.34568	0.313155	-1.10386	0.269656
ENSG00000166920.12	1844.462786	-0.53669	0.367399	-1.46078	0.144077
ENSG00000079785.15	1845.124887	-0.26856	0.34049	-0.78874	0.430262
ENSG00000151893.15	1845.753882	-0.37067	0.336232	-1.10242	0.270278
ENSG00000188846.14	1845.983388	0.335921	0.388738	0.864132	0.387515
ENSG00000099783.12	1846.776157	0.124158	0.313709	0.395773	0.692272
ENSG00000138768.15	1847.061504	-0.50711	0.371377	-1.3655	0.172097
ENSG00000162521.19	1848.653664	-0.22659	0.396455	-0.57154	0.567636
ENSG00000161057.12	1852.475467	-0.32645	0.349566	-0.93389	0.350363
ENSG00000065135.12	1854.962209	-0.51893	0.377334	-1.37525	0.169053
ENSG00000004455.17	1855.146671	-0.26743	0.313525	-0.85297	0.393675
ENSG00000168615.12	1855.306473	-0.66799	0.358288	-1.86441	0.062265
ENSG00000104765.16	1855.937518	-0.58663	0.349922	-1.67645	0.093649
ENSG00000221983.8	1856.331049	0.283433	0.31228	0.907624	0.364077
ENSG00000091164.13	1856.910368	-0.43527	0.360239	-1.20829	0.226936
ENSG00000125827.9	1857.218279	-0.83085	0.428796	-1.93764	0.052667

ENSG00000143612.21	1859.331174	-0.67524	0.351156	-1.9229	0.054492
ENSG00000184983.11	1862.256694	0.352631	0.333396	1.057693	0.290196
ENSG00000147140.16	1863.38263	0.018505	0.35305	0.052414	0.958199
ENSG00000169139.12	1868.617804	-0.18566	0.384144	-0.48332	0.628871
ENSG00000157734.14	1871.357434	0.035919	0.339874	0.105683	0.915834
ENSG00000039560.14	1872.058759	-0.53624	0.375287	-1.42887	0.153041
ENSG00000113407.14	1872.341265	-0.18849	0.312351	-0.60346	0.546199
ENSG00000196776.16	1872.931812	-0.38107	0.321903	-1.1838	0.236491
ENSG00000124422.12	1875.878633	-0.01267	0.344927	-0.03672	0.970705
ENSG00000142089.16	1877.889456	-0.12202	0.306741	-0.3978	0.69078
ENSG00000169908.12	1878.906946	-0.20647	0.330499	-0.62471	0.532159
ENSG00000177565.18	1879.541455	-0.8656	0.415129	-2.08514	0.037057
ENSG00000115524.17	1879.982122	-0.42995	0.387772	-1.10877	0.26753
ENSG00000148834.13	1880.168187	0.029387	0.319306	0.092035	0.92667
ENSG00000067334.14	1881.845147	-0.31171	0.324754	-0.95983	0.337139
ENSG00000115541.11	1883.515632	0.19069	0.345777	0.551484	0.581302
ENSG00000003056.8	1884.984273	-0.51224	0.317781	-1.61192	0.106979
ENSG00000198034.11	1885.848911	0.160604	0.335589	0.478573	0.632242
ENSG00000183291.17	1885.942981	-0.56264	0.340017	-1.65474	0.097978
ENSG00000090861.17	1887.145432	-0.0907	0.352982	-0.25695	0.797215
ENSG00000134153.10	1889.8967	-0.24146	0.347083	-0.69569	0.48662
ENSG00000164054.15	1891.438861	-0.42613	0.387854	-1.09868	0.271906
ENSG00000156261.13	1894.045235	-0.09718	0.31241	-0.31106	0.755756
ENSG00000120686.12	1895.221238	0.022287	0.320047	0.069635	0.944484
ENSG00000179010.14	1895.701188	0.345674	0.324904	1.063928	0.287361
ENSG00000106992.19	1898.472545	0.085465	0.311692	0.274198	0.783932
ENSG00000109846.9	1902.04085	0.066378	0.312901	0.212137	0.832
ENSG00000177469.13	1905.4602	0.754548	0.33291	2.266521	0.023419
ENSG00000084073.10	1906.034152	-0.52195	0.429225	-1.21602	0.223977
ENSG00000197879.17	1906.872259	0.152328	0.378237	0.402731	0.687146
ENSG00000143570.19	1908.699569	-0.20887	0.404587	-0.51627	0.605669
ENSG00000104823.9	1911.861984	-0.19169	0.309746	-0.61886	0.536011
ENSG00000161970.15	1913.694469	0.481087	0.332328	1.447626	0.147722
ENSG00000103187.8	1913.943205	-0.02613	0.330275	-0.07911	0.936949
ENSG00000184007.22	1913.978435	-0.26652	0.319707	-0.83363	0.404492
ENSG00000168386.18	1914.64821	-0.12226	0.32176	-0.37998	0.703958
ENSG00000138814.17	1917.628011	-0.01592	0.432443	-0.03681	0.970637
ENSG00000101166.16	1925.710234	-0.42622	0.344969	-1.23553	0.216635
ENSG00000189043.10	1926.526306	-0.17789	0.3074	-0.57868	0.562805
ENSG00000124875.10	1927.352229	-0.22345	0.488578	-0.45735	0.647419
ENSG00000145012.13	1928.275732	-0.77795	0.458545	-1.69655	0.089782
ENSG00000163683.12	1928.548452	-0.90885	0.342923	-2.65031	0.008042
ENSG00000169045.17	1930.564236	0.203769	0.40918	0.497992	0.618489
ENSG00000143995.20	1935.548692	-0.6433	0.471633	-1.36399	0.172572
ENSG00000069329.18	1936.968512	-0.46939	0.320907	-1.46269	0.143552
ENSG00000163682.17	1942.519389	0.698387	0.424009	1.647104	0.099537
ENSG00000063046.18	1943.192501	-0.14626	0.306501	-0.47718	0.633231
ENSG00000083845.9	1943.800942	0.285026	0.366369	0.777976	0.436583
ENSG00000086062.13	1944.114406	-0.34203	0.36737	-0.93101	0.351849
ENSG00000204256.13	1945.62164	-0.29207	0.312368	-0.93502	0.349778
ENSG00000137076.21	1949.060846	0.652926	0.333692	1.956674	0.050386
ENSG00000112237.13	1951.376143	-0.4627	0.392705	-1.17825	0.238699

ENSG00000112977.16	1953.225295	-0.38718	0.345342	-1.12114	0.262227
ENSG00000182481.9	1954.267285	-0.30547	0.435178	-0.70194	0.482715
ENSG00000115233.12	1955.458727	-0.21108	0.366043	-0.57667	0.564166
ENSG00000146072.6	1955.798818	-0.85667	0.394831	-2.16971	0.030029
ENSG00000087245.13	1961.479681	0.305668	0.31995	0.955361	0.339395
ENSG00000128463.13	1963.411764	-0.17659	0.317544	-0.55612	0.578127
ENSG00000196305.18	1964.372413	-0.28863	0.30738	-0.939	0.347731
ENSG00000063177.13	1965.070139	0.365028	0.369341	0.988323	0.322994
ENSG00000117143.13	1969.83062	-0.94039	0.366914	-2.56297	0.010378
ENSG00000111229.16	1970.47736	-0.42002	0.349094	-1.20319	0.228905
ENSG00000125844.16	1970.893047	0.069914	0.311471	0.224464	0.822396
ENSG00000147872.10	1971.273766	-0.18569	0.314291	-0.59081	0.554646
ENSG00000174851.16	1975.990744	-0.5426	0.358853	-1.51203	0.130525
ENSG00000129083.13	1976.30163	-0.53066	0.364079	-1.45754	0.144968
ENSG00000131051.24	1979.125673	-0.0207	0.320595	-0.06456	0.948527
ENSG00000007168.14	1981.34429	-0.25066	0.334248	-0.74992	0.453305
ENSG00000090520.11	1982.365057	-0.33992	0.313405	-1.08461	0.278093
ENSG00000108561.8	1982.618821	-0.23819	0.337096	-0.70661	0.47981
ENSG00000173801.17	1984.991323	-0.29043	0.41185	-0.70518	0.480699
ENSG00000124155.18	1987.113638	-0.28355	0.357531	-0.79308	0.427729
ENSG00000173575.22	1991.624655	-0.36635	0.337978	-1.08394	0.278391
ENSG00000099341.11	1994.550616	-0.44418	0.358471	-1.23909	0.215311
ENSG00000150459.12	1996.584869	-0.18837	0.309115	-0.60939	0.542263
ENSG00000104853.16	1997.189204	-0.18291	0.415718	-0.44	0.65994
ENSG00000086619.14	1998.148525	-1.41505	0.416733	-3.39557	0.000685
ENSG00000197111.16	1998.736126	0.059026	0.396693	0.148794	0.881716
ENSG00000170017.12	1999.522012	-0.7985	0.411112	-1.9423	0.0521
ENSG00000169213.7	2000.179144	-0.30949	0.395094	-0.78333	0.433435
ENSG00000065978.19	2006.376093	0.624976	0.328526	1.902365	0.057123
ENSG00000126698.11	2007.229898	-0.06051	0.327216	-0.18494	0.853279
ENSG00000153904.21	2007.550977	-0.50765	0.424296	-1.19645	0.231521
ENSG00000001036.14	2008.000146	-0.41423	0.34182	-1.21183	0.225576
ENSG00000115944.15	2009.157696	-0.05474	0.383054	-0.1429	0.886368
ENSG00000146425.11	2009.668173	-0.05174	0.350721	-0.14752	0.882721
ENSG00000124614.16	2010.4419	0.304087	0.316725	0.960098	0.337006
ENSG00000179222.18	2011.140566	-0.15575	0.400747	-0.38864	0.697542
ENSG00000135018.14	2011.910919	-0.69967	0.385905	-1.81306	0.069823
ENSG00000110492.15	2013.42578	-0.08238	0.315747	-0.26089	0.794177
ENSG00000092068.20	2015.896747	-0.59052	1.031827	-0.57231	0.567113
ENSG00000100220.12	2016.413422	-0.32802	0.35775	-0.91689	0.3592
ENSG00000090863.12	2019.861771	-0.17875	0.336939	-0.53051	0.595758
ENSG00000116521.11	2020.078691	-0.19656	0.326727	-0.6016	0.547438
ENSG00000172115.9	2021.760774	-0.10436	0.371337	-0.28105	0.77867
ENSG00000138758.11	2022.751758	-0.29019	0.321389	-0.90292	0.366569
ENSG00000166986.15	2023.037823	-0.21699	0.32678	-0.66403	0.506673
ENSG00000100764.14	2026.608567	-0.13768	0.332035	-0.41466	0.678388
ENSG00000157916.20	2032.968382	-0.27898	0.334454	-0.83413	0.404206
ENSG00000148484.18	2033.433844	-0.36073	0.3397	-1.0619	0.288283
ENSG00000138085.17	2033.618452	-0.34089	0.311218	-1.09535	0.273363
ENSG00000133226.17	2033.627377	0.041812	0.305709	0.136772	0.891211
ENSG00000112473.18	2036.96785	0.11346	0.315932	0.359127	0.7195
ENSG00000056097.16	2037.219833	-0.79999	0.377765	-2.11769	0.034201

ENSG00000145901.16	2039.35783	-0.07353	0.346571	-0.21216	0.831982
ENSG00000109062.12	2039.595109	-0.55626	0.34658	-1.60498	0.108498
ENSG00000165916.8	2039.718318	-0.00281	0.308731	-0.00911	0.992731
ENSG00000144959.11	2040.025071	-0.58909	0.414029	-1.42282	0.154788
ENSG00000132824.14	2040.145209	-0.73494	0.349896	-2.10045	0.035689
ENSG00000117899.11	2040.751515	-0.0227	0.316328	-0.07177	0.942788
ENSG00000116260.17	2041.323741	0.256276	0.315177	0.813116	0.416152
ENSG00000164405.11	2051.271642	0.41702	0.33258	1.253896	0.20988
ENSG00000187735.14	2052.660491	-0.07665	0.322579	-0.23762	0.812176
ENSG00000108774.15	2052.822899	-0.31243	0.3886	-0.80398	0.421409
ENSG00000173692.13	2053.322011	0.39317	0.343165	1.145718	0.251912
ENSG00000087191.13	2053.579461	-0.24737	0.336728	-0.73463	0.462565
ENSG00000269926.1	2057.585761	-0.98838	0.35038	-2.82088	0.004789
ENSG00000115386.6	2058.983866	0.263519	0.400158	0.658538	0.510193
ENSG00000091140.14	2059.170153	-0.68896	0.384254	-1.79298	0.072975
ENSG00000115268.10	2062.556355	0.187153	0.34264	0.546208	0.584923
ENSG00000131467.11	2062.672499	-0.26355	0.368722	-0.71478	0.474747
ENSG00000136888.7	2065.180307	-0.19918	0.320289	-0.62186	0.534031
ENSG00000064042.18	2065.284104	-0.63257	0.336863	-1.87782	0.060406
ENSG00000129625.13	2066.126561	-0.34756	0.320314	-1.08507	0.277889
ENSG00000041982.16	2067.127805	0.082476	0.423512	0.194742	0.845595
ENSG00000186480.13	2069.410602	-0.19531	0.40257	-0.48516	0.627564
ENSG00000151366.13	2069.765984	0.141127	0.31592	0.446717	0.655079
ENSG00000156976.17	2071.7554	-0.46757	0.358306	-1.30493	0.191915
ENSG00000104529.17	2075.32389	0.403088	0.3835	1.051076	0.293224
ENSG00000143543.15	2079.45065	-0.07926	0.337577	-0.2348	0.814364
ENSG00000197858.11	2080.34303	-0.15728	0.340838	-0.46145	0.644478
ENSG00000138772.13	2081.640534	-0.26539	0.374592	-0.70847	0.478654
ENSG00000163735.7	2084.374856	-0.89983	0.476013	-1.89035	0.058711
ENSG00000077232.18	2086.378837	-0.95217	0.369573	-2.57639	0.009984
ENSG00000084623.11	2089.008291	-0.32239	0.33481	-0.96291	0.335592
ENSG00000091986.16	2093.921864	0.011997	0.311885	0.038465	0.969317
ENSG00000170889.14	2094.811176	0.475171	0.368549	1.289304	0.197292
ENSG00000129128.13	2095.996284	-0.29318	0.334046	-0.87766	0.380129
ENSG00000181019.13	2096.848439	-0.45179	0.364549	-1.2393	0.215234
ENSG00000109133.13	2101.923139	-0.63385	0.374169	-1.69402	0.090262
ENSG00000154473.18	2105.708283	-0.15486	0.338948	-0.4569	0.647746
ENSG00000164171.11	2112.772213	-0.50238	0.341557	-1.47085	0.141331
ENSG00000126524.10	2115.039994	-0.51004	0.351085	-1.45277	0.146288
ENSG00000241837.7	2115.238088	-0.1331	0.315177	-0.42231	0.672799
ENSG00000198695.2	2115.762051	0.26245	0.335272	0.782798	0.433746
ENSG00000070961.15	2116.51839	-0.57419	0.338374	-1.6969	0.089716
ENSG00000135269.18	2120.833882	-0.4137	0.312401	-1.32428	0.185412
ENSG00000167986.14	2124.629368	0.193382	0.30976	0.624297	0.532433
ENSG00000185088.14	2125.46473	-0.20584	0.336395	-0.61189	0.540607
ENSG00000013306.16	2125.633169	-0.28711	0.325122	-0.88308	0.377195
ENSG00000203879.12	2126.349045	-0.25199	0.365667	-0.68914	0.490738
ENSG00000206053.13	2127.47475	-0.48368	0.480288	-1.00705	0.313909
ENSG00000213585.11	2128.9459	-0.25958	0.325918	-0.79645	0.425773
ENSG00000136628.18	2129.503798	-0.47511	0.319594	-1.48662	0.137116
ENSG00000141027.21	2131.058192	-0.48907	0.327209	-1.49467	0.135001
ENSG00000168175.15	2133.07228	-0.55498	0.400314	-1.38636	0.165637

ENSG00000197712.12	2146.621654	-0.42394	0.349467	-1.21311	0.225087
ENSG00000156675.16	2150.951088	-0.56649	0.358716	-1.57921	0.114289
ENSG00000008988.10	2151.74994	0.25098	0.331987	0.755993	0.449653
ENSG00000041357.16	2151.881064	-0.22142	0.313763	-0.7057	0.480377
ENSG00000050165.18	2153.257799	-0.21584	0.318221	-0.67827	0.497602
ENSG00000064601.19	2153.945319	-0.48394	0.337094	-1.43561	0.151114
ENSG00000158985.13	2154.586445	-0.81515	0.367558	-2.21776	0.026571
ENSG00000115053.16	2157.528516	0.095731	0.308148	0.310666	0.756054
ENSG00000054118.15	2160.636006	-0.21627	0.377755	-0.5725	0.566981
ENSG00000121579.13	2161.59077	-0.26361	0.321419	-0.82016	0.412125
ENSG00000248223.1	2164.519372	-1.0015	0.407481	-2.45778	0.01398
ENSG00000143727.16	2164.638778	-0.20446	0.307378	-0.66516	0.505949
ENSG00000100219.16	2166.345848	0.161329	0.393604	0.409875	0.681897
ENSG00000103035.11	2166.480135	-0.14582	0.309987	-0.47041	0.638059
ENSG00000055070.17	2167.69119	-0.23559	0.354112	-0.6653	0.50586
ENSG00000148303.17	2169.048403	0.509127	0.340691	1.494395	0.135072
ENSG00000142864.14	2169.710661	0.237418	0.308229	0.770266	0.441142
ENSG00000179950.14	2170.663324	-0.24139	0.342667	-0.70444	0.481162
ENSG00000168036.18	2175.616695	0.167293	0.395891	0.422572	0.672607
ENSG00000169116.11	2180.193073	-0.90228	0.444427	-2.03022	0.042334
ENSG00000138326.21	2191.496234	0.153341	0.346646	0.442358	0.65823
ENSG00000248527.1	2197.011199	-0.19303	0.383911	-0.50279	0.615115
ENSG00000147649.10	2198.924079	0.487724	0.366528	1.33066	0.183301
ENSG00000157654.19	2199.428033	-0.13236	0.312824	-0.42311	0.672217
ENSG00000244687.12	2205.755035	-0.28198	0.317463	-0.88824	0.374414
ENSG00000242372.9	2214.325854	-0.28111	0.314936	-0.89259	0.372077
ENSG00000140941.14	2214.739298	-0.44253	0.325646	-1.35894	0.174166
ENSG00000160613.14	2217.394223	0.493125	0.352695	1.398161	0.162065
ENSG00000169905.12	2219.671545	-0.33952	0.404202	-0.83997	0.400924
ENSG00000106105.15	2225.319912	-0.20982	0.311763	-0.67302	0.500933
ENSG00000173230.15	2227.027892	-0.55064	0.332686	-1.65514	0.097897
ENSG00000049449.10	2228.583067	-0.09239	0.319498	-0.28919	0.772438
ENSG00000115461.5	2229.082364	0.342431	0.346907	0.987095	0.323596
ENSG00000103363.15	2229.136438	0.423724	0.311069	1.362156	0.173149
ENSG00000122861.16	2232.168701	-0.90291	0.38919	-2.31997	0.020343
ENSG00000188643.11	2235.047708	-0.12617	0.320312	-0.3939	0.693658
ENSG00000023191.17	2237.30333	-0.28347	0.330783	-0.85698	0.391457
ENSG00000105404.11	2238.659007	-0.09174	0.31432	-0.29185	0.770399
ENSG00000165629.20	2239.443251	-0.18663	0.32096	-0.58149	0.560913
ENSG00000176171.11	2240.773171	-0.4154	0.340787	-1.21893	0.22287
ENSG00000130741.11	2243.190376	-0.24619	0.382098	-0.64431	0.519374
ENSG00000265681.7	2243.979597	0.255915	0.399639	0.640365	0.521935
ENSG00000107581.13	2244.180309	0.189611	0.312062	0.607605	0.543449
ENSG00000066322.15	2245.330499	-0.4562	0.428299	-1.06515	0.28681
ENSG00000198467.16	2253.087408	0.555115	0.349574	1.587975	0.112292
ENSG00000138279.16	2260.569562	-0.61164	0.374095	-1.63499	0.102052
ENSG00000214517.10	2263.876145	-0.25093	0.367339	-0.68309	0.494548
ENSG00000129116.19	2267.028518	-0.25521	0.311514	-0.81926	0.412639
ENSG00000131507.11	2269.141783	-0.39285	0.315018	-1.24708	0.212366
ENSG00000099817.12	2269.144742	-0.15118	0.364725	-0.41451	0.678503
ENSG00000088986.11	2274.333059	-0.57116	0.359998	-1.58656	0.112613
ENSG00000068912.14	2274.910942	-0.1369	0.313859	-0.43617	0.662712

ENSG00000220842.6	2275.183951	-0.00644	0.39496	-0.0163	0.986992
ENSG00000136244.12	2277.354226	-0.20952	0.381934	-0.54858	0.583294
ENSG00000114354.15	2277.953319	-0.54652	0.355455	-1.53751	0.124168
ENSG00000039068.19	2283.559797	-0.60497	0.35003	-1.72833	0.083928
ENSG00000142534.7	2283.671885	0.343616	0.314646	1.092072	0.274802
ENSG00000130255.13	2285.146004	0.482844	0.353941	1.364192	0.172507
ENSG00000005893.16	2285.70823	-0.92216	0.397393	-2.32052	0.020313
ENSG00000136003.16	2291.645329	-0.32299	0.314727	-1.02626	0.304769
ENSG00000138069.18	2291.933989	-0.48464	0.345918	-1.40103	0.161204
ENSG00000146701.12	2297.462808	-0.39029	0.313097	-1.24656	0.21256
ENSG00000134440.12	2305.891922	-0.29229	0.306774	-0.95279	0.340695
ENSG00000134871.19	2306.357986	0.257089	0.32007	0.803227	0.421844
ENSG00000197157.11	2312.127405	0.241339	0.307673	0.784401	0.432805
ENSG00000112081.17	2315.09186	-0.16208	0.352912	-0.45927	0.646041
ENSG00000143158.11	2316.271285	-0.16227	0.360045	-0.45068	0.652218
ENSG00000122218.16	2317.092526	-0.1427	0.370192	-0.38546	0.699895
ENSG00000128739.23	2331.61331	-0.72535	0.370208	-1.95931	0.050076
ENSG00000120265.18	2338.811742	-0.47812	0.343183	-1.39319	0.163564
ENSG00000105220.17	2340.883946	-0.2254	0.319088	-0.70639	0.479946
ENSG00000159176.14	2353.227158	-0.03667	0.371867	-0.09862	0.921443
ENSG00000167085.12	2353.885049	-0.09166	0.318915	-0.28741	0.773801
ENSG00000122026.10	2356.729781	0.100346	0.388719	0.258145	0.796295
ENSG00000117984.14	2363.775386	-0.1075	0.320827	-0.33506	0.737578
ENSG00000205937.12	2364.070645	-0.37332	0.323626	-1.15356	0.248681
ENSG00000100612.14	2364.117872	-0.42488	0.338327	-1.25583	0.209177
ENSG00000096696.14	2369.044529	-0.18754	0.340535	-0.55072	0.581827
ENSG00000171863.15	2369.063195	0.460695	0.326533	1.410865	0.158284
ENSG00000054116.12	2372.75909	-0.1251	0.303689	-0.41192	0.680395
ENSG00000186340.15	2373.542041	-0.71535	0.322617	-2.21732	0.026601
ENSG00000153113.24	2377.12919	-0.27685	0.309886	-0.89339	0.371648
ENSG00000173418.12	2377.341482	-0.24249	0.35394	-0.68511	0.493275
ENSG00000107372.13	2383.296926	-0.50393	0.335735	-1.50099	0.133359
ENSG00000126457.21	2393.20839	-0.15535	0.335061	-0.46366	0.642895
ENSG00000163453.11	2394.352652	0.406007	0.319208	1.271922	0.203401
ENSG00000169903.7	2394.907399	-1.28702	0.448705	-2.86829	0.004127
ENSG00000025796.14	2396.960487	-0.73651	0.399403	-1.84402	0.065181
ENSG00000177954.14	2403.292456	0.298873	0.39526	0.756143	0.449564
ENSG00000124831.19	2407.805323	0.001498	0.308265	0.00486	0.996122
ENSG00000135506.16	2416.646514	-0.10713	0.305281	-0.35093	0.72564
ENSG00000110958.16	2417.41325	0.011823	0.305946	0.038646	0.969173
ENSG00000139289.13	2429.292999	-0.39674	0.310172	-1.27908	0.200868
ENSG00000198380.13	2431.253466	-0.54924	0.310349	-1.76974	0.07677
ENSG00000214548.18	2431.600925	-0.79528	0.384503	-2.06834	0.038608
ENSG00000170540.15	2434.699214	-0.6706	0.342717	-1.95673	0.050379
ENSG00000160014.17	2436.759276	-0.11193	0.304109	-0.36805	0.712835
ENSG00000117450.14	2441.182034	-0.46046	0.348031	-1.32305	0.185818
ENSG00000136842.14	2443.779823	-1.08733	0.404326	-2.68925	0.007161
ENSG00000197102.12	2444.263803	-0.29526	0.323936	-0.91146	0.362051
ENSG00000105568.18	2446.387347	-0.22579	0.336187	-0.67162	0.501824
ENSG00000123131.13	2453.953098	-0.13811	0.311849	-0.44287	0.657863
ENSG00000123562.18	2455.164622	-0.227	0.332462	-0.6828	0.494736
ENSG00000049860.14	2467.524228	-0.49368	0.347261	-1.42164	0.155132

ENSG00000100380.14	2472.085031	-0.32224	0.311725	-1.03372	0.301268
ENSG00000198242.14	2474.814898	0.030389	0.366233	0.082976	0.93387
ENSG00000137710.17	2475.746423	-0.32198	0.359537	-0.89554	0.370501
ENSG00000135679.25	2478.301247	-0.37128	0.318357	-1.16622	0.243524
ENSG00000072274.13	2478.771572	-0.35619	0.329388	-1.08138	0.279528
ENSG00000136698.10	2480.361455	-0.88163	0.468812	-1.88057	0.060031
ENSG00000152291.14	2482.611647	-0.76651	0.412215	-1.8595	0.062957
ENSG00000111775.3	2484.32286	-0.02961	0.322426	-0.09184	0.926828
ENSG00000196262.14	2484.751255	-0.21298	0.348711	-0.61077	0.541352
ENSG00000122870.12	2486.121843	-0.47185	0.521718	-0.90442	0.365771
ENSG00000099246.17	2491.153892	-0.57725	0.345251	-1.67197	0.09453
ENSG00000124193.16	2495.46926	-0.17478	0.504543	-0.34642	0.729026
ENSG00000163468.15	2497.36869	-0.03946	0.310469	-0.12711	0.898853
ENSG00000136930.13	2500.242347	-0.00755	0.304666	-0.02479	0.98022
ENSG00000113575.10	2503.536638	-1.03084	0.454167	-2.26974	0.023224
ENSG00000069275.13	2511.140149	0.300804	0.329943	0.911687	0.361934
ENSG00000079332.15	2515.199891	-0.24845	0.394821	-0.62926	0.529177
ENSG00000171928.14	2519.524222	-0.86	0.342375	-2.51185	0.01201
ENSG00000116161.18	2524.320943	-0.05758	0.315219	-0.18267	0.855058
ENSG00000181722.17	2529.917806	-0.71978	0.331092	-2.17397	0.029707
ENSG00000108424.10	2533.015063	0.81268	0.321921	2.524468	0.011587
ENSG00000135926.15	2537.083336	-0.38587	0.344956	-1.11862	0.263304
ENSG00000277443.3	2541.820462	0.400941	0.413621	0.969344	0.332373
ENSG00000166441.13	2544.042808	-0.01747	0.393208	-0.04444	0.964556
ENSG00000205352.11	2549.873006	-0.16582	0.338669	-0.48961	0.624408
ENSG00000142937.12	2555.398274	0.614173	0.372846	1.647255	0.099506
ENSG00000196419.13	2560.854047	-0.01551	0.304949	-0.05086	0.959439
ENSG00000116288.13	2564.641529	-0.1113	0.307295	-0.36219	0.717209
ENSG00000115310.18	2567.038235	0.275906	0.311675	0.885236	0.37603
ENSG00000134013.16	2572.289983	-0.37611	0.342201	-1.0991	0.271725
ENSG00000144713.13	2574.346377	0.30438	0.360011	0.845476	0.397845
ENSG00000112695.11	2574.903143	0.081227	0.307401	0.264238	0.791596
ENSG00000100804.19	2578.287836	-0.22704	0.356951	-0.63605	0.524741
ENSG00000120727.13	2578.417826	-0.08023	0.311247	-0.25777	0.796581
ENSG00000134294.14	2582.461245	-0.45905	0.348336	-1.31783	0.187559
ENSG00000165502.7	2584.547707	0.201562	0.325401	0.619425	0.535636
ENSG00000160789.21	2585.840133	-0.17234	0.341614	-0.5045	0.61391
ENSG00000103275.20	2596.705899	-0.30537	0.36003	-0.84817	0.396341
ENSG00000101255.11	2597.983292	-0.90862	0.37136	-2.44674	0.014416
ENSG00000100902.11	2616.943738	-0.30332	0.319128	-0.95048	0.341871
ENSG00000186575.19	2617.736277	-0.39167	0.448374	-0.87353	0.382377
ENSG00000099250.18	2619.438746	-0.32031	0.388527	-0.82442	0.409704
ENSG00000109475.16	2619.560293	0.027977	0.373957	0.074815	0.940362
ENSG00000213699.9	2620.047962	-0.07932	0.354354	-0.22384	0.822882
ENSG00000179091.5	2622.042772	-0.07984	0.375598	-0.21256	0.831667
ENSG00000114867.22	2622.284521	0.547554	0.334728	1.635819	0.101877
ENSG00000084652.16	2625.925715	-0.53993	0.467935	-1.15385	0.248561
ENSG00000135046.14	2628.876856	-0.3555	0.362158	-0.9816	0.326296
ENSG00000127314.18	2634.795066	-0.48228	0.321608	-1.49959	0.133721
ENSG00000139926.16	2635.296312	-0.20946	0.351285	-0.59627	0.550996
ENSG00000167772.12	2639.251647	-0.77438	0.47078	-1.64489	0.099993
ENSG00000143882.12	2646.591114	-0.10955	0.312752	-0.35029	0.726121

ENSG00000183283.16	2656.423228	-0.69027	0.347331	-1.98736	0.046883
ENSG00000120306.11	2657.321156	-0.31941	0.323149	-0.98844	0.322936
ENSG00000140988.16	2658.149477	1.342801	0.384479	3.492518	0.000478
ENSG00000196611.5	2663.351709	-0.22641	0.329205	-0.68775	0.491609
ENSG00000168439.17	2669.68596	-0.16845	0.355467	-0.47388	0.635584
ENSG00000126777.18	2680.603482	0.110674	0.302802	0.365499	0.714739
ENSG00000090060.18	2689.260176	-0.40432	0.349405	-1.15718	0.2472
ENSG00000218537.1	2695.017801	0.007229	0.30397	0.023783	0.981026
ENSG00000114850.7	2697.309855	0.001701	0.330847	0.00514	0.995899
ENSG00000154723.12	2702.589723	0.281329	0.328133	0.857361	0.391245
ENSG00000198682.13	2704.64457	-0.58232	0.394244	-1.47706	0.139659
ENSG00000162819.12	2706.614819	-0.57851	0.423552	-1.36584	0.171988
ENSG00000189241.8	2708.340778	0.133487	1.031663	0.12939	0.897049
ENSG00000110880.11	2708.677042	-0.39362	0.360334	-1.09237	0.274669
ENSG00000122545.20	2711.976714	-0.38298	0.328301	-1.16654	0.243396
ENSG00000141367.12	2713.087819	0.080186	0.318255	0.251954	0.801077
ENSG00000159352.16	2716.049681	-0.01679	0.303245	-0.05538	0.955834
ENSG00000008018.9	2731.699735	-0.03978	0.310499	-0.1281	0.898067
ENSG00000168090.10	2733.520478	0.015414	0.367698	0.041921	0.966562
ENSG00000182934.12	2733.633881	-0.41497	0.34788	-1.19285	0.232929
ENSG00000144674.16	2733.654957	-0.09233	0.31858	-0.28982	0.771954
ENSG00000115806.13	2736.206888	-0.62279	0.365713	-1.70296	0.088576
ENSG00000137309.20	2738.044668	-0.27619	0.378717	-0.72928	0.465832
ENSG00000116030.17	2738.495193	-0.27272	0.328244	-0.83086	0.406053
ENSG00000198898.14	2744.36907	-0.92209	0.414855	-2.22269	0.026237
ENSG00000072682.18	2747.07889	-0.33392	0.309555	-1.0787	0.280721
ENSG00000197930.13	2756.929296	-0.36272	0.308019	-1.17757	0.238966
ENSG00000138674.17	2758.503805	-0.53447	0.344691	-1.55056	0.121007
ENSG00000072849.11	2763.012867	-0.38074	0.310981	-1.22431	0.220836
ENSG00000243678.12	2764.436276	0.112916	0.306824	0.368017	0.71286
ENSG00000134001.14	2772.113633	-0.35774	0.326633	-1.09523	0.273417
ENSG00000135624.16	2772.283134	0.035189	0.315381	0.111578	0.911158
ENSG00000169100.14	2790.389793	-0.2985	0.329155	-0.90686	0.364481
ENSG00000023734.11	2797.604344	-0.1296	0.314539	-0.41204	0.680313
ENSG00000171490.13	2797.72319	-0.32353	0.308515	-1.04868	0.294325
ENSG00000145632.15	2801.784286	-0.40873	0.365579	-1.11802	0.263558
ENSG00000166136.16	2803.98723	0.080487	0.314676	0.255777	0.798123
ENSG00000163479.14	2810.788915	-0.157	0.307338	-0.51084	0.609463
ENSG00000108849.8	2827.764464	-0.33412	0.426696	-0.78304	0.433604
ENSG00000163359.16	2828.731188	0.14598	0.326546	0.447043	0.654844
ENSG00000153187.20	2831.905238	0.412323	0.384035	1.073658	0.282976
ENSG00000108679.13	2834.837431	-0.65981	0.338921	-1.94679	0.05156
ENSG00000106615.10	2836.098216	-0.45834	0.312626	-1.4661	0.142622
ENSG00000155366.17	2839.908671	-0.0936	0.324867	-0.28811	0.773266
ENSG00000182220.15	2840.25053	-0.71243	0.377239	-1.88853	0.058955
ENSG00000131469.15	2843.692777	0.335356	0.304864	1.100018	0.271324
ENSG00000108588.14	2846.116142	-0.5762	0.324669	-1.77473	0.075942
ENSG00000174903.16	2851.529013	-0.18626	0.409566	-0.45478	0.649264
ENSG00000168028.14	2858.885449	0.82784	0.39794	2.080313	0.037497
ENSG00000159346.13	2859.008061	-0.49849	0.371243	-1.34276	0.17935
ENSG00000115484.15	2861.836133	0.269294	0.309222	0.870875	0.383823
ENSG00000197965.12	2862.120281	-0.52481	0.316477	-1.6583	0.097257

ENSG00000087365.16	2864.167427	0.048571	0.313207	0.155078	0.87676
ENSG00000087074.8	2873.675976	-0.04149	0.391334	-0.10603	0.915559
ENSG00000145907.15	2877.886959	-0.54384	0.36007	-1.51039	0.130945
ENSG00000128422.17	2881.089378	0.281854	0.319828	0.881268	0.378173
ENSG00000204388.7	2885.70363	0.985002	0.482455	2.041643	0.041187
ENSG00000089693.10	2889.556525	-0.25089	0.396315	-0.63306	0.526692
ENSG00000115306.16	2894.633861	0.080212	0.305532	0.262531	0.792912
ENSG00000166913.13	2895.865692	0.049062	0.321527	0.152591	0.878721
ENSG00000146731.11	2910.739596	0.014416	0.342767	0.042056	0.966454
ENSG00000149257.16	2912.892397	0.502723	0.372452	1.349766	0.177091
ENSG00000114861.22	2913.22548	-0.28442	0.362218	-0.78521	0.43233
ENSG00000108671.11	2913.580856	0.015374	0.366544	0.041942	0.966545
ENSG00000092199.17	2924.587443	-0.1254	0.327738	-0.38261	0.702009
ENSG00000131871.15	2938.527892	0.108586	0.327845	0.331211	0.740485
ENSG00000122566.21	2942.301153	0.265301	0.379379	0.699303	0.484363
ENSG00000108654.15	2951.647493	-0.40125	0.370953	-1.08167	0.2794
ENSG00000231925.12	2956.754596	-0.45498	0.365344	-1.24535	0.213003
ENSG00000101439.9	2957.281495	-0.21226	0.318437	-0.66657	0.505045
ENSG00000187840.5	2964.00384	-0.19835	0.30216	-0.65644	0.51154
ENSG00000106052.13	2966.507595	-0.45842	0.312771	-1.46566	0.14274
ENSG00000101310.17	2969.871282	-0.43171	0.321826	-1.34142	0.179783
ENSG00000112245.12	2977.549922	-1.03882	0.388877	-2.67134	0.007555
ENSG00000137409.19	2977.72786	0.0409	0.44525	0.091857	0.926811
ENSG00000115963.13	2978.592909	-0.74462	0.325932	-2.2846	0.022336
ENSG00000143742.14	2979.59408	-0.20554	0.422026	-0.48704	0.626233
ENSG00000130706.13	2985.920534	-0.08677	0.32572	-0.2664	0.789934
ENSG00000230989.7	2986.562634	0.0745	0.302545	0.246245	0.805493
ENSG00000150938.10	2991.835911	-0.0187	0.397245	-0.04708	0.962451
ENSG00000111897.7	2992.762601	-0.75115	0.356693	-2.10587	0.035216
ENSG00000128590.5	2992.816784	-0.70681	0.337134	-2.09652	0.036036
ENSG00000163902.12	3034.218876	-0.44279	0.329321	-1.34454	0.178773
ENSG00000178127.13	3040.620671	-0.16056	0.353704	-0.45393	0.649877
ENSG00000149968.12	3042.995679	-0.36	0.407467	-0.88351	0.376959
ENSG00000102316.17	3047.688755	-0.47791	0.346901	-1.37764	0.168313
ENSG00000143774.16	3049.624952	-0.1383	0.302837	-0.45667	0.647911
ENSG00000089009.15	3058.700666	0.311447	0.338964	0.918821	0.358189
ENSG00000185883.12	3080.160921	-0.26999	0.329918	-0.81836	0.413149
ENSG00000150753.12	3085.272969	-0.1751	0.330084	-0.53046	0.595796
ENSG00000071127.17	3086.005132	-0.01	0.303374	-0.03297	0.973699
ENSG00000120694.20	3092.979079	0.61123	0.402553	1.518382	0.128918
ENSG00000113811.11	3103.860729	0.104568	0.305229	0.34259	0.731907
ENSG00000182944.18	3104.262648	-0.15662	0.403558	-0.3881	0.697941
ENSG00000159140.21	3104.739756	0.221787	0.325216	0.681968	0.495259
ENSG00000172531.15	3111.259772	-0.26845	0.321468	-0.83508	0.403675
ENSG00000137818.12	3112.78381	0.352622	0.388072	0.908652	0.363534
ENSG00000100243.21	3116.792438	-0.18768	0.369992	-0.50726	0.611972
ENSG00000144224.17	3120.376535	-0.15519	0.317432	-0.48889	0.624917
ENSG00000187109.15	3121.187424	0.144063	0.308547	0.466907	0.640567
ENSG00000170296.10	3122.510635	-0.17226	0.329105	-0.52341	0.600692
ENSG00000167815.12	3128.945842	-0.08284	0.378116	-0.2191	0.826576
ENSG00000152234.16	3129.17395	-0.35091	0.339365	-1.03403	0.301123
ENSG00000084733.11	3134.723952	-0.61695	0.314296	-1.96296	0.049651

ENSG00000168610.15	3142.891279	-0.56099	0.32041	-1.75084	0.079973
ENSG00000179262.10	3144.109878	-0.25498	0.321558	-0.79294	0.427813
ENSG00000138760.10	3144.81576	-0.23725	0.310718	-0.76355	0.445133
ENSG00000109472.14	3148.969392	-0.12937	0.371966	-0.3478	0.727992
ENSG00000108639.7	3161.980669	-0.37852	0.352697	-1.07323	0.283169
ENSG00000104388.15	3162.759767	-0.32783	0.324322	-1.01082	0.312104
ENSG00000085662.14	3168.78083	-0.33017	0.383687	-0.86052	0.389504
ENSG00000008952.17	3176.071713	-0.03381	0.312106	-0.10834	0.913727
ENSG00000189143.9	3179.598119	-0.34135	0.387484	-0.88094	0.378349
ENSG00000198959.12	3183.691394	-0.10594	0.398863	-0.26561	0.790542
ENSG00000148677.7	3190.376773	0.787345	0.386478	2.037231	0.041627
ENSG00000118985.16	3191.094889	-0.60183	0.319082	-1.88612	0.059278
ENSG00000169567.13	3195.193994	-0.00064	0.305428	-0.00208	0.998336
ENSG00000140105.18	3198.963626	-0.7621	0.32016	-2.38037	0.017295
ENSG00000205581.11	3201.738909	-0.20952	0.301123	-0.69581	0.486548
ENSG00000135486.18	3207.586741	-0.15038	0.323626	-0.46468	0.642163
ENSG00000229117.9	3208.784317	0.411285	0.3589	1.145959	0.251812
ENSG00000101294.18	3211.580569	-0.20219	0.308697	-0.65497	0.512486
ENSG00000197956.10	3215.673247	0.148841	0.305056	0.487914	0.625611
ENSG00000184110.15	3217.292675	0.852009	0.35563	2.395776	0.016585
ENSG00000142507.10	3219.81899	0.052716	0.345476	0.152589	0.878722
ENSG00000166562.9	3222.346993	-0.45959	0.327491	-1.40336	0.160509
ENSG00000163814.8	3223.21231	-0.73494	0.350092	-2.09927	0.035793
ENSG00000140319.11	3230.808849	-0.00277	0.307296	-0.00901	0.992814
ENSG00000105993.15	3240.03665	-0.24112	0.339014	-0.71124	0.476933
ENSG00000243649.9	3250.830385	-0.38464	0.32594	-1.18008	0.237968
ENSG00000170759.11	3260.236559	-0.52277	0.333985	-1.56523	0.117528
ENSG00000044115.21	3261.046309	-0.06188	0.31026	-0.19945	0.84191
ENSG00000086061.16	3263.614731	-0.02013	0.313394	-0.06422	0.948796
ENSG00000172380.6	3264.875731	-0.46443	0.426557	-1.08878	0.27625
ENSG00000143621.17	3265.23229	-0.01818	0.324938	-0.05595	0.955384
ENSG00000137331.12	3266.792136	0.441284	0.394515	1.118548	0.263333
ENSG00000169230.10	3275.909137	0.004937	0.327824	0.015059	0.987985
ENSG00000151914.20	3276.025977	-0.664	0.310123	-2.14109	0.032267
ENSG00000198856.13	3289.008959	-0.38531	0.321724	-1.19764	0.231056
ENSG00000136240.10	3298.572526	-0.60152	0.326542	-1.84209	0.065462
ENSG00000081154.12	3309.99055	-0.40837	0.310955	-1.31327	0.189091
ENSG00000130429.15	3314.686767	-0.34561	0.317366	-1.08899	0.276159
ENSG00000054148.18	3316.382193	-0.1011	0.324305	-0.31175	0.755228
ENSG00000108298.11	3318.581281	0.175738	0.320203	0.548833	0.58312
ENSG00000125977.7	3323.2719	0.241362	0.301481	0.800587	0.423371
ENSG00000108551.5	3323.540305	-0.56837	0.377819	-1.50434	0.132493
ENSG00000177697.19	3326.38472	-0.17215	0.335564	-0.51302	0.607937
ENSG00000113013.15	3336.382633	-0.01873	0.318105	-0.05889	0.953042
ENSG00000090266.13	3336.430765	0.333826	0.321703	1.037683	0.299418
ENSG00000143947.14	3336.499608	0.318649	0.384563	0.828599	0.407331
ENSG00000163956.13	3336.927934	-0.37683	0.311436	-1.20998	0.226287
ENSG00000180398.13	3344.18975	0.020559	0.315378	0.06519	0.948023
ENSG00000121351.8	3351.10986	-1.23974	0.957027	-1.29541	0.195179
ENSG00000165637.13	3354.850808	-0.28457	0.350184	-0.81264	0.416425
ENSG00000162434.13	3362.81177	-0.40696	0.304638	-1.33588	0.181589
ENSG00000269968.1	3369.904816	0.284559	0.300989	0.945412	0.344449

ENSG00000120438.12	3371.327297	0.112593	0.321083	0.350666	0.725839
ENSG00000105669.14	3386.507559	-0.05485	0.311658	-0.17599	0.860304
ENSG00000105223.20	3387.481994	-0.65071	0.439086	-1.48197	0.138349
ENSG00000102144.15	3397.455515	-0.13891	0.326374	-0.42561	0.670389
ENSG00000075785.14	3411.756509	-0.50441	0.365432	-1.38032	0.167489
ENSG00000102804.15	3411.81236	-0.50775	0.308874	-1.64389	0.1002
ENSG00000280800.1	3416.120545	0.336862	0.453086	0.743483	0.457189
ENSG00000138071.14	3420.708603	-0.35293	0.397974	-0.88683	0.375171
ENSG00000244038.11	3426.657631	-0.35314	0.315211	-1.12033	0.262572
ENSG00000180879.14	3450.609987	-0.27149	0.3115	-0.87155	0.383452
ENSG00000125304.10	3450.957233	-0.64679	0.348888	-1.85385	0.06376
ENSG00000169504.15	3455.87791	-0.48174	0.32438	-1.48512	0.137512
ENSG00000186010.19	3462.545053	0.308445	0.314212	0.981647	0.326274
ENSG00000074695.6	3472.198702	-0.68755	0.378751	-1.81531	0.069476
ENSG00000145495.16	3479.094513	-0.59807	0.477699	-1.25198	0.210579
ENSG00000109814.12	3481.236807	-0.67905	0.366541	-1.85259	0.063941
ENSG00000030582.18	3489.239097	-0.57091	0.323099	-1.76697	0.077233
ENSG00000106153.13	3491.383179	-0.14598	0.318609	-0.45818	0.64682
ENSG00000136942.15	3491.389448	0.583401	0.32268	1.807985	0.070609
ENSG00000116285.13	3498.49564	-0.75929	0.342993	-2.21371	0.026849
ENSG00000189403.15	3504.846977	-0.15969	0.308882	-0.517	0.60516
ENSG00000212907.2	3519.46622	-0.57738	0.397404	-1.45289	0.146255
ENSG00000088832.17	3522.862797	-0.36986	0.361559	-1.02297	0.306323
ENSG00000126432.14	3523.868891	-0.00792	0.300481	-0.02636	0.978967
ENSG00000129562.11	3537.571125	-0.0647	0.309307	-0.20918	0.834305
ENSG00000196531.13	3539.829702	-0.06152	0.301678	-0.20391	0.83842
ENSG00000183741.12	3544.482054	0.217348	0.419454	0.518168	0.604341
ENSG00000014641.21	3563.1093	-0.28986	0.333591	-0.86891	0.384899
ENSG00000075420.13	3563.385654	-0.58899	0.320149	-1.83975	0.065804
ENSG00000100644.17	3578.166048	-0.49322	0.396977	-1.24244	0.214074
ENSG00000011422.12	3578.689167	-0.2969	0.316802	-0.93717	0.348669
ENSG00000071553.17	3579.971118	-0.60404	0.361068	-1.67293	0.094341
ENSG00000198431.16	3586.21982	-0.34891	0.306379	-1.13883	0.254773
ENSG00000133872.14	3588.663098	-0.69885	0.346097	-2.01923	0.043463
ENSG00000079246.16	3588.703744	-0.24668	0.377188	-0.65399	0.513118
ENSG00000124145.6	3607.642211	-0.36799	0.458911	-0.80189	0.422619
ENSG00000183255.12	3621.335694	-0.46364	0.345763	-1.34091	0.179951
ENSG00000185825.17	3625.642946	-0.21543	0.329261	-0.65429	0.512922
ENSG00000131143.10	3636.148896	0.038458	0.314272	0.122371	0.902605
ENSG00000101558.14	3639.793483	-0.58051	0.323271	-1.79574	0.072536
ENSG00000132963.8	3644.508313	0.007451	0.313435	0.023772	0.981035
ENSG00000118816.11	3645.866421	0.119744	0.312231	0.383511	0.701341
ENSG00000182670.13	3654.367862	-0.74697	0.355014	-2.10405	0.035374
ENSG00000113732.9	3678.542698	-0.2733	0.323359	-0.8452	0.398001
ENSG00000147403.17	3701.169529	0.00495	0.35428	0.013973	0.988852
ENSG00000077549.19	3706.999005	-0.13609	0.343426	-0.39626	0.691915
ENSG00000204389.10	3712.829476	0.877751	0.474476	1.849935	0.064323
ENSG00000159200.18	3714.393338	-1.29319	0.408733	-3.16391	0.001557
ENSG00000171223.6	3715.653822	-0.6275	0.32897	-1.90746	0.056461
ENSG00000164032.12	3716.14371	-0.30421	0.328391	-0.92635	0.354264
ENSG00000152952.12	3717.320826	-0.07469	0.315439	-0.23677	0.812832
ENSG00000136156.15	3723.626115	-0.5494	0.334077	-1.64453	0.100066

ENSG00000090273.14	3724.296053	0.172207	0.302966	0.568405	0.56976
ENSG00000026508.20	3727.138196	-0.08674	0.305623	-0.28382	0.776548
ENSG000000163399.16	3749.284714	-0.02475	0.332104	-0.07454	0.940583
ENSG000000137575.12	3767.754308	-0.91503	0.364841	-2.50802	0.012141
ENSG000000134910.14	3769.837206	-0.51475	0.370781	-1.38829	0.165048
ENSG000000132341.12	3775.688426	-0.11509	0.322496	-0.35688	0.721185
ENSG000000136603.14	3781.995054	-0.39775	0.331131	-1.20118	0.22968
ENSG000000084234.17	3791.725334	-0.35905	0.34478	-1.0414	0.297688
ENSG000000101335.10	3795.010088	0.22831	0.300669	0.759339	0.44765
ENSG000000169714.17	3803.134862	-0.61597	0.337401	-1.82562	0.067907
ENSG000000122406.14	3836.675974	0.419699	0.325342	1.290022	0.197043
ENSG000000081041.9	3854.101462	-0.4086	0.32016	-1.27623	0.201875
ENSG000000197632.9	3889.188549	-0.70805	0.495372	-1.42932	0.152912
ENSG000000166922.8	3899.967773	-0.83994	0.405934	-2.06914	0.038533
ENSG000000110696.10	3905.062104	-0.24726	0.299899	-0.82448	0.409665
ENSG000000141522.12	3907.466816	0.151033	0.360602	0.418835	0.675336
ENSG000000054356.14	3909.279105	-0.39156	0.396021	-0.98874	0.322791
ENSG000000076554.15	3926.544484	-0.93673	0.383214	-2.44441	0.014509
ENSG000000082153.18	3933.586378	-0.55145	0.341836	-1.61319	0.106703
ENSG00000010256.11	3952.837029	-0.36215	0.327364	-1.10627	0.268609
ENSG000000085733.16	3960.985774	-0.00369	0.436967	-0.00845	0.993259
ENSG000000166333.14	3967.659692	0.015327	0.400853	0.038236	0.969499
ENSG000000265401.1	3982.802783	0.267505	0.322596	0.829226	0.406976
ENSG000000155660.11	3991.834842	-0.27956	0.306074	-0.91336	0.361053
ENSG000000072778.20	3994.286834	0.115185	0.314203	0.366595	0.713921
ENSG000000070081.17	3996.493275	-0.75319	0.360273	-2.0906	0.036564
ENSG000000108829.10	4010.790582	-0.05615	0.346092	-0.16223	0.871122
ENSG000000135821.19	4014.207016	-0.40169	0.397595	-1.01031	0.312348
ENSG000000145425.10	4047.371393	0.319682	0.37481	0.852917	0.393705
ENSG000000108946.15	4084.734816	-0.65586	0.38505	-1.70333	0.088507
ENSG000000116489.13	4098.378417	-0.59476	0.441457	-1.34727	0.177892
ENSG000000058085.15	4099.462014	-0.17142	0.351455	-0.48774	0.625732
ENSG000000179218.14	4110.729649	0.63006	0.315801	1.995117	0.04603
ENSG000000175197.12	4127.98064	-1.22392	1.341228	-0.91254	0.361485
ENSG000000074842.8	4153.67606	-0.292	0.331637	-0.88049	0.378595
ENSG000000138449.11	4169.955183	-1.32216	0.445437	-2.96823	0.002995
ENSG000000113369.9	4177.777138	-0.71274	0.315626	-2.25817	0.023935
ENSG000000147416.11	4178.255373	-0.46408	0.352427	-1.3168	0.187906
ENSG000000136810.13	4199.393795	-0.16407	0.316768	-0.51794	0.604502
ENSG000000106682.14	4205.454572	-0.29768	0.391	-0.76134	0.446457
ENSG000000162909.18	4208.137366	-0.37989	0.321147	-1.18291	0.236846
ENSG000000031698.13	4212.615061	-0.507	0.324341	-1.56317	0.118013
ENSG000000177606.7	4216.485512	-0.98671	0.498473	-1.97947	0.047764
ENSG000000169223.15	4231.742289	-0.27531	0.346152	-0.79534	0.426415
ENSG000000187446.12	4234.891132	-0.1625	0.405243	-0.40099	0.688424
ENSG000000092820.18	4237.945167	-0.25594	0.362286	-0.70645	0.479906
ENSG000000171314.9	4241.310593	-0.08113	0.350409	-0.23152	0.816908
ENSG000000135535.17	4290.667336	-0.56624	0.348303	-1.62571	0.104011
ENSG000000142192.21	4292.873235	-0.20476	0.30686	-0.66726	0.504605
ENSG00000010404.18	4296.734023	-0.90308	0.372371	-2.42521	0.0153
ENSG000000101367.9	4307.793247	-0.59047	0.331646	-1.78042	0.075008
ENSG000000100911.16	4315.676226	-0.05594	0.301807	-0.18534	0.852964

ENSG00000002586.20	4349.506934	-0.48789	0.340067	-1.43468	0.151378
ENSG000000067560.12	4376.728846	-0.18848	0.318449	-0.59186	0.553942
ENSG000000145555.15	4394.107391	-0.06494	0.323843	-0.20053	0.841066
ENSG000000142541.17	4395.505673	0.429035	0.399831	1.073041	0.283253
ENSG000000149273.15	4434.706047	0.079025	0.364676	0.216699	0.828443
ENSG000000109332.20	4454.501652	-0.50096	0.320889	-1.56117	0.118484
ENSG000000115091.12	4486.396948	-0.43482	0.412763	-1.05343	0.292143
ENSG000000166923.12	4498.402036	-0.36288	1.020565	-0.35557	0.722161
ENSG000000161638.11	4513.438683	-0.11719	0.434356	-0.26979	0.787318
ENSG000000165280.16	4516.10035	-0.2245	0.330297	-0.67969	0.496703
ENSG000000119888.11	4527.967559	-0.71376	0.365144	-1.95473	0.050615
ENSG000000120129.6	4542.644313	-0.52629	0.312951	-1.6817	0.092627
ENSG000000100234.12	4543.67369	-0.65978	0.449649	-1.46731	0.142291
ENSG000000181061.14	4547.678513	-0.25958	0.448473	-0.5788	0.562724
ENSG000000265808.4	4551.230235	-0.08261	0.433249	-0.19068	0.848775
ENSG000000009307.16	4562.654336	-0.42573	0.304179	-1.39962	0.161628
ENSG000000117519.16	4599.401356	-0.34791	0.391131	-0.88951	0.373729
ENSG000000158710.15	4638.206854	-0.34023	0.39281	-0.86616	0.386404
ENSG000000130402.12	4646.427307	0.030577	0.398732	0.076686	0.938873
ENSG000000112697.17	4647.586629	-0.76282	0.38128	-2.00068	0.045427
ENSG000000168092.14	4677.887233	-0.52857	0.463745	-1.13978	0.25438
ENSG000000168385.18	4682.296313	-0.65713	0.342787	-1.91702	0.055235
ENSG000000211459.2	4692.956937	0.226219	0.412947	0.547816	0.583818
ENSG000000198830.11	4693.822885	-0.01534	0.336462	-0.0456	0.963631
ENSG000000189060.5	4697.763205	0.198547	0.421629	0.470903	0.63771
ENSG000000118680.14	4704.203197	-0.21209	0.339737	-0.62427	0.532448
ENSG00000004799.8	4730.220626	-1.64319	0.486383	-3.37839	0.000729
ENSG000000147065.17	4749.419326	-0.48087	0.424766	-1.13209	0.257597
ENSG000000115677.17	4754.945365	-0.14955	0.323167	-0.46277	0.64353
ENSG000000258017.2	4763.198652	0.322831	0.395943	0.815348	0.414873
ENSG000000165672.7	4788.960122	-0.23251	0.370019	-0.62837	0.52976
ENSG000000164111.15	4801.31167	-0.17708	0.31426	-0.56347	0.573113
ENSG000000231500.7	4805.989808	0.079615	0.335351	0.237408	0.81234
ENSG000000204525.16	4816.872189	-0.08903	0.329539	-0.27015	0.787042
ENSG000000149591.17	4823.898587	0.245914	0.347587	0.707489	0.479263
ENSG000000144381.17	4830.888294	0.260619	0.316397	0.823709	0.410105
ENSG000000167601.12	4845.056715	-0.17295	0.470666	-0.36747	0.713269
ENSG000000167642.13	4876.210274	-0.45909	0.328812	-1.39621	0.16265
ENSG000000145247.12	4885.589519	0.03202	0.323824	0.098879	0.921234
ENSG000000168374.11	4892.33582	-0.32146	0.357159	-0.90006	0.368091
ENSG000000110955.9	4900.733826	-0.01276	0.303599	-0.04203	0.966479
ENSG000000181163.13	4903.782383	-0.23554	0.321848	-0.73184	0.464265
ENSG000000070756.16	4920.051826	0.324131	0.322458	1.005187	0.314807
ENSG000000118363.12	4961.008529	-0.26843	0.351495	-0.76367	0.445064
ENSG000000107796.13	4969.556108	0.018446	0.421747	0.043737	0.965114
ENSG000000008517.18	4977.967337	-0.08467	0.303685	-0.27881	0.780392
ENSG000000119335.17	5032.303952	0.174811	0.376673	0.464092	0.642582
ENSG000000174748.22	5044.117038	-0.23155	0.320429	-0.72262	0.469915
ENSG000000023445.16	5072.430777	-0.70069	0.33075	-2.11847	0.034135
ENSG000000113712.19	5111.973644	-0.50249	0.349894	-1.43611	0.150972
ENSG000000005022.6	5114.203424	-0.03274	0.367024	-0.08921	0.928912
ENSG000000196230.13	5146.166291	0.444417	0.382632	1.161473	0.24545

ENSG00000143549.21	5168.442731	-0.0731	0.329218	-0.22203	0.824289
ENSG00000166794.5	5188.034089	-0.23214	0.328198	-0.70733	0.479364
ENSG00000196924.18	5219.140888	0.929489	0.343263	2.707803	0.006773
ENSG00000165678.21	5228.91964	-0.41968	0.337107	-1.24494	0.213153
ENSG00000133112.17	5231.350229	0.30422	0.305467	0.995918	0.31929
ENSG00000170961.7	5235.924534	-0.09555	1.196075	-0.07989	0.936327
ENSG00000143761.16	5240.819751	-0.42305	0.334631	-1.26423	0.206147
ENSG00000067167.8	5242.352157	-0.88169	0.37546	-2.3483	0.018859
ENSG00000072110.14	5245.971262	0.233757	0.361171	0.64722	0.51749
ENSG00000079689.14	5246.693324	-0.88466	0.954012	-0.92731	0.353766
ENSG00000116209.12	5262.785787	-0.67808	0.342692	-1.9787	0.04785
ENSG00000206503.13	5310.433819	0.513047	0.358439	1.431337	0.152334
ENSG00000105372.8	5333.19625	0.057616	0.402759	0.143053	0.886248
ENSG00000145730.20	5339.970557	-0.55398	0.370758	-1.49418	0.135127
ENSG00000204628.12	5350.29204	0.223258	0.300059	0.744046	0.456849
ENSG00000058262.10	5373.005811	-0.30063	0.342741	-0.87715	0.380406
ENSG00000120742.11	5407.517154	-0.34011	0.347453	-0.97887	0.327646
ENSG00000104635.14	5408.259119	-0.97522	0.335836	-2.90387	0.003686
ENSG00000117318.9	5442.096683	0.016444	0.302591	0.054344	0.956661
ENSG00000168209.5	5465.252949	-1.07086	0.343238	-3.11988	0.001809
ENSG00000117410.14	5498.193334	-0.28084	0.307943	-0.91199	0.361775
ENSG00000068697.7	5503.176341	-0.59726	0.328885	-1.816	0.06937
ENSG00000115828.17	5519.142951	-1.08748	0.41554	-2.61703	0.00887
ENSG00000162734.13	5531.332111	-0.30946	0.404593	-0.76487	0.444349
ENSG00000067082.15	5580.927168	-1.00611	0.362763	-2.77347	0.005546
ENSG00000123416.15	5581.646436	0.169799	0.429528	0.395315	0.69261
ENSG00000101182.15	5594.896478	0.24031	0.301089	0.798137	0.424791
ENSG00000140391.15	5607.237807	-0.43171	0.325226	-1.32743	0.184367
ENSG00000167552.14	5673.340295	-0.43679	0.486787	-0.89729	0.369563
ENSG00000113558.19	5683.139666	-0.31637	0.32381	-0.97702	0.328562
ENSG00000125868.16	5684.887684	0.076346	0.302152	0.252673	0.800521
ENSG00000162704.16	5686.660312	-0.16721	0.375735	-0.44503	0.656299
ENSG00000124783.14	5688.164742	-0.5647	0.37003	-1.5261	0.126986
ENSG00000167526.14	5694.477707	0.285727	0.353857	0.807463	0.4194
ENSG00000110092.4	5715.163347	-0.57335	0.380292	-1.50765	0.131644
ENSG00000148248.14	5716.178037	-0.33044	0.363872	-0.90813	0.363809
ENSG00000134308.14	5726.869216	-0.48715	0.385485	-1.26373	0.206326
ENSG00000105835.12	5767.484393	-1.07187	0.343342	-3.12187	0.001797
ENSG00000143153.13	5774.651094	-0.28701	0.353046	-0.81295	0.416248
ENSG00000234745.11	5835.774053	0.53165	0.392204	1.355543	0.175244
ENSG00000161960.16	5863.160485	0.148897	0.331373	0.449333	0.653191
ENSG00000142669.15	5873.214006	-0.23834	0.337726	-0.70572	0.480363
ENSG00000185787.15	5935.051657	-0.4087	0.356823	-1.1454	0.252044
ENSG00000254772.10	5985.595447	-0.07971	0.326775	-0.24392	0.807296
ENSG00000173812.11	5986.147988	-0.23359	0.311401	-0.75011	0.453187
ENSG00000122786.20	6067.482272	0.033513	0.337732	0.099229	0.920956
ENSG00000172270.20	6072.697569	-0.47439	0.341794	-1.38794	0.165157
ENSG00000161203.13	6115.926144	-0.15484	0.377916	-0.40972	0.682014
ENSG00000137154.13	6173.974243	0.166164	0.327794	0.506916	0.612214
ENSG00000102265.12	6223.927695	-0.37538	0.361691	-1.03785	0.299341
ENSG00000084207.18	6224.278081	-0.08794	0.331263	-0.26547	0.79065
ENSG00000100345.22	6237.802366	0.232251	0.328284	0.70747	0.479274

ENSG00000164924.18	6262.645638	-0.66795	0.377488	-1.76945	0.076818
ENSG00000240972.2	6300.221166	-0.08731	0.305553	-0.28573	0.775084
ENSG00000184840.12	6305.50736	-0.44962	0.312912	-1.43689	0.150749
ENSG00000062716.13	6328.45676	0.082018	0.357335	0.229527	0.818459
ENSG00000163430.12	6338.899767	-0.73606	0.370988	-1.98406	0.047249
ENSG00000161016.17	6349.133759	0.274097	0.343211	0.798627	0.424507
ENSG00000146674.15	6422.692927	-0.60429	0.332719	-1.81622	0.069337
ENSG00000170348.9	6438.944063	-0.47978	0.308879	-1.5533	0.120352
ENSG00000101608.13	6510.115931	-0.06395	0.304923	-0.20974	0.833872
ENSG00000198363.18	6514.743833	-0.59682	0.350908	-1.70078	0.088985
ENSG00000134333.14	6517.545486	-0.34593	0.423579	-0.81669	0.414106
ENSG00000245532.9	6568.168556	0.439189	0.327361	1.341605	0.179724
ENSG00000102580.15	6576.336429	-0.64662	0.363908	-1.77689	0.075587
ENSG00000164587.13	6686.117397	0.066188	0.325453	0.203372	0.838845
ENSG00000070831.17	6694.953216	-0.22451	0.439911	-0.51036	0.609801
ENSG00000174444.15	6822.649666	0.542586	0.347313	1.562238	0.118232
ENSG00000168542.16	6864.536173	0.20599	0.335586	0.613821	0.539334
ENSG00000185650.10	6879.409924	-0.94796	0.389614	-2.43308	0.014971
ENSG00000198786.2	6918.846621	-0.2506	0.316356	-0.79216	0.42827
ENSG00000165092.13	6938.135288	-0.73782	0.450756	-1.63684	0.101664
ENSG00000163466.16	7076.304627	-0.11846	0.316043	-0.37481	0.707798
ENSG00000198888.2	7096.743431	0.406831	0.298093	1.36478	0.172322
ENSG00000132002.8	7184.705152	0.163645	0.358836	0.456043	0.648359
ENSG00000132507.18	7300.105069	0.011682	0.356011	0.032815	0.973822
ENSG00000100664.11	7301.326947	-0.46581	0.322853	-1.4428	0.149077
ENSG00000034510.6	7305.547236	0.092019	0.345052	0.266683	0.789713
ENSG00000108691.9	7358.763452	-0.57727	0.343054	-1.68274	0.092426
ENSG00000130513.6	7394.308378	-0.72066	1.139896	-0.63221	0.527247
ENSG00000163191.6	7417.70378	0.016446	0.314959	0.052218	0.958355
ENSG00000105640.13	7436.536963	-0.13558	0.345531	-0.39239	0.694767
ENSG00000150991.15	7455.620558	0.329212	0.378922	0.86881	0.384951
ENSG00000172757.13	7487.383138	0.020941	0.299661	0.069881	0.944289
ENSG00000128595.17	7554.42699	-0.32221	0.30819	-1.0455	0.295791
ENSG00000100906.11	7602.047884	-0.32262	0.311711	-1.03498	0.300677
ENSG00000120708.17	7614.215101	0.33415	0.315897	1.05778	0.290156
ENSG00000167658.16	7651.397439	0.814684	0.357879	2.276419	0.022821
ENSG00000198763.3	7657.932447	0.138876	0.300562	0.462052	0.644044
ENSG00000175166.17	7678.123815	-0.00982	0.351903	-0.02791	0.977738
ENSG00000006327.14	7700.572166	-0.19343	0.386078	-0.50101	0.616367
ENSG00000140264.20	7768.345757	0.191301	0.307311	0.622499	0.533614
ENSG00000131711.15	7881.359574	-0.97953	0.399654	-2.45095	0.014248
ENSG00000163734.4	7943.055517	-0.64761	0.314534	-2.05897	0.039497
ENSG00000165119.21	7955.240695	-0.53077	0.388771	-1.36526	0.172173
ENSG00000213719.8	8002.704421	-0.32194	0.33973	-0.94763	0.343316
ENSG00000197249.14	8005.534012	-0.47169	0.351849	-1.34061	0.180046
ENSG00000118705.17	8009.787559	-0.23061	0.32574	-0.70797	0.478967
ENSG00000131236.17	8026.29129	-0.26854	0.386317	-0.69514	0.486967
ENSG00000104904.12	8133.350337	-0.10318	0.30985	-0.33301	0.739127
ENSG00000130066.16	8221.273496	-0.92311	0.349121	-2.6441	0.008191
ENSG00000147604.14	8286.251114	-0.15186	0.358843	-0.4232	0.672153
ENSG00000204592.9	8321.914794	-0.68226	0.341716	-1.99656	0.045873
ENSG00000118785.14	8386.768386	-0.73099	0.325935	-2.24274	0.024914

ENSG00000167460.17	8409.938872	0.073112	0.314664	0.232351	0.816266
ENSG00000122641.11	8423.498303	-0.39741	0.343212	-1.1579	0.246903
ENSG00000112308.13	8443.025594	-0.41956	0.442236	-0.94873	0.34276
ENSG00000087460.26	8470.769754	0.123281	0.304779	0.404492	0.685851
ENSG00000171345.13	8537.217976	-0.39239	0.374353	-1.04819	0.294553
ENSG00000108953.17	8561.149236	0.079227	0.350844	0.225819	0.821342
ENSG00000143870.13	8624.41393	-0.34762	0.316615	-1.09792	0.272241
ENSG00000100097.12	8650.377856	0.019743	0.308431	0.064012	0.948961
ENSG00000109971.14	8705.285258	0.432888	0.32936	1.314332	0.188734
ENSG00000198668.13	8753.266418	-0.18017	0.297709	-0.60519	0.545053
ENSG00000124766.7	8901.128693	-0.27587	0.346179	-0.7969	0.42551
ENSG00000089157.16	8940.037066	0.13738	0.32589	0.421553	0.673351
ENSG00000086598.11	8984.875679	-0.72729	0.40019	-1.81736	0.069162
ENSG00000161010.15	9087.109939	-0.34955	0.359025	-0.97361	0.330252
ENSG00000051108.15	9186.685136	-0.73787	0.309226	-2.38617	0.017025
ENSG00000127022.15	9193.962626	-0.70109	0.341228	-2.0546	0.039917
ENSG00000100316.16	9263.294102	-0.21195	0.319294	-0.66381	0.506811
ENSG00000135480.16	9840.496562	0.481806	0.336394	1.432268	0.152067
ENSG00000211445.12	9900.341587	-0.69997	0.459313	-1.52394	0.127523
ENSG00000135404.12	9944.615496	-0.25432	0.322043	-0.7897	0.429704
ENSG00000171951.5	9947.192501	-0.75846	0.425306	-1.78334	0.074531
ENSG00000185624.15	9978.479233	-0.12706	0.299926	-0.42363	0.671835
ENSG00000164692.18	9983.022084	0.42017	0.309003	1.359761	0.173905
ENSG00000184292.7	10048.23728	-0.33915	0.386803	-0.87679	0.3806
ENSG00000187514.16	10117.45763	-0.03427	0.364276	-0.09408	0.925043
ENSG00000142871.18	10342.1848	-0.4268	0.363537	-1.17403	0.240384
ENSG00000110321.18	10375.91406	-0.50623	0.397251	-1.27434	0.202544
ENSG00000113140.11	10655.38684	-0.80748	0.374772	-2.15459	0.031194
ENSG00000085063.17	10733.92955	-0.53117	0.378904	-1.40187	0.160954
ENSG00000205542.11	10794.86032	-0.18179	0.328659	-0.55312	0.580184
ENSG00000137801.11	10898.57743	-0.2575	0.345345	-0.74564	0.455883
ENSG00000164733.21	10902.31275	-0.78296	0.38576	-2.02966	0.042391
ENSG00000118523.6	10950.99493	-0.70155	0.36185	-1.9388	0.052526
ENSG00000213639.10	10960.24884	-0.54219	0.402206	-1.34804	0.177645
ENSG00000096384.20	10995.60583	0.135659	0.298955	0.453778	0.649988
ENSG00000140416.23	11086.10806	0.030569	0.296548	0.103083	0.917897
ENSG00000106211.10	12047.47356	-0.06991	0.395129	-0.17692	0.859568
ENSG00000170421.12	12093.1525	-0.45718	0.344266	-1.32799	0.184181
ENSG00000166598.15	12131.53478	-0.25242	0.30363	-0.83133	0.40579
ENSG00000168003.17	12178.77259	-0.72639	0.43552	-1.66786	0.095343
ENSG00000170315.14	12214.68883	0.286327	0.311475	0.919263	0.357958
ENSG00000112096.19	12264.44483	-0.21526	0.314227	-0.68505	0.493309
ENSG00000198899.2	12429.47668	-0.03431	0.352325	-0.09738	0.922421
ENSG00000124762.14	12630.17067	-0.83013	0.329442	-2.51979	0.011742
ENSG00000157005.4	13068.11323	-1.72494	0.942131	-1.83089	0.067117
ENSG00000118271.12	13434.07959	-0.97795	0.458728	-2.13188	0.033017
ENSG00000111669.15	14021.09885	-0.10093	0.324216	-0.31131	0.755564
ENSG00000074800.16	14163.81236	-0.13295	0.344457	-0.38597	0.699515
ENSG00000254647.7	14191.14584	-1.09084	0.434053	-2.51315	0.011966
ENSG00000197746.14	14386.14269	-0.58202	0.319692	-1.82055	0.068675
ENSG00000132475.10	14690.41137	-0.04199	0.306672	-0.13692	0.891093
ENSG00000198938.2	14766.44934	0.215915	0.359208	0.601086	0.547783

ENSG00000167004.13	14796.79394	-0.72196	0.330797	-2.18249	0.029073
ENSG00000120885.22	14987.64948	-0.55775	0.337629	-1.65196	0.098542
ENSG00000026025.16	15063.90116	0.149142	0.319346	0.467024	0.640483
ENSG00000115414.20	15402.46695	0.150817	0.296956	0.507874	0.611542
ENSG00000198727.2	15523.50942	-0.38316	0.393914	-0.9727	0.330701
ENSG00000143933.19	15834.967	-0.38095	0.336215	-1.13305	0.257195
ENSG00000163739.5	16307.19332	-0.08664	0.493731	-0.17548	0.860703
ENSG00000150093.19	16900.04569	-0.07275	0.301579	-0.24121	0.809389
ENSG00000149925.22	17199.06228	-0.03403	0.335892	-0.1013	0.91931
ENSG00000092841.19	17279.295	0.116226	0.299124	0.388556	0.697604
ENSG00000108821.14	17506.92259	-0.15569	0.308868	-0.50407	0.614209
ENSG00000067225.18	18142.87976	-0.42283	0.340743	-1.2409	0.214642
ENSG00000080824.19	18710.64126	0.739906	0.437933	1.689544	0.091115
ENSG00000089199.10	18895.86305	-0.7716	0.376217	-2.05093	0.040273
ENSG00000111640.15	19071.89323	-0.0629	0.327067	-0.19232	0.847495
ENSG00000111057.11	19414.23537	-0.57061	0.363441	-1.57002	0.116411
ENSG00000106366.9	19703.49835	-0.77698	0.364494	-2.13168	0.033033
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ENSG00000139644.13	20507.52279	-0.44695	0.304365	-1.46845	0.141981
ENSG00000108518.8	22112.6758	0.132136	0.298349	0.442891	0.657845
ENSG00000198804.2	23089.83035	-0.00659	0.352109	-0.01872	0.985065
ENSG00000156508.18	23990.78019	0.482114	0.378021	1.275364	0.20218
ENSG00000198712.1	31778.33865	-0.22141	0.360331	-0.61447	0.538908
ENSG00000182718.17	31967.76082	-0.30891	0.3988	-0.7746	0.438577
ENSG00000198886.2	32182.27319	-0.27643	0.385462	-0.71714	0.473286
ENSG00000100604.13	38156.68683	-0.4935	0.464429	-1.0626	0.287962
ENSG00000167995.17	39768.63422	-0.66359	0.401099	-1.65442	0.098042
ENSG00000044574.8	41776.56251	-0.55432	0.300072	-1.84729	0.064706
ENSG00000184009.12	48964.20135	-0.34637	0.331098	-1.04614	0.295498
ENSG00000169429.11	51268.04326	-0.64285	0.384182	-1.67329	0.094271
ENSG00000210082.2	60669.66401	-0.08037	0.35983	-0.22334	0.823268
ENSG00000166710.20	65157.33911	-0.61691	0.340236	-1.81318	0.069804
ENSG00000075624.17	75625.36732	-0.32907	0.333735	-0.98601	0.324128
ENSG00000167996.16	120293.103	-0.92134	0.426358	-2.16096	0.030698
ENSG00000087086.15	133824.8726	-0.66754	0.36763	-1.81578	0.069403
ENSG00000115263.15	235953.6778	-1.10425	0.496047	-2.2261	0.026008
ENSG00000251562.8	424211.995	-0.53462	0.355502	-1.50384	0.132623

B versus control . All detected genes are shown

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0.999937	ENSG00000100000	AC018521.1
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0.999937	ENSG00000100000	SLC26A1
0.999937	ENSG00000100000	MAP3K20-AS1
0.999937	ENSG00000100000	OR2A5
0.999937	ENSG00000100000	AC123912.4
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0.999937 ENSG000001000000 SOX4
0.999937 ENSG000001000000 RPLP0
0.999937 ENSG000001000000 TMED2
0.999937 ENSG000001000000 MRNIP
0.999937 ENSG000001000000 HERPUD1
0.999937 ENSG000001000000 CANX
0.999937 ENSG000001000000 RPL3
0.999937 ENSG000001000000 KRT7
0.999937 ENSG000001000000 GPX3
0.999937 ENSG000001000000 CD63
0.999937 ENSG000001000000 SCG2
0.999937 ENSG000001000000 P4HB
0.999937 ENSG000001000000 COL1A2
0.999937 ENSG000001000000 TACSTD2
0.999937 ENSG000001000000 PTMA
0.999937 ENSG000001000000 CCN1
0.999937 ENSG000001000000 EIF4G2
0.999937 ENSG000001000000 SPARC
0.999937 ENSG000001000000 CD59
0.999937 ENSG000001000000 TMSB4X
0.999937 ENSG000001000000 THBS1
0.999937 ENSG000001000000 CTSB
0.999937 ENSG000001000000 CCN2
0.999937 ENSG000001000000 PPP1CB
0.999937 ENSG000001000000 HSP90AB1
0.999937 ENSG000001000000 TPM1
0.999937 ENSG000001000000 HSPB1
0.999937 ENSG000001000000 KRT8
0.999937 ENSG000001000000 HSP90B1
0.999937 ENSG000001000000 SLC3A2
0.999937 ENSG000001000000 UBB
0.999937 ENSG000001000000 SOD2
0.999937 ENSG000001000000 MT-ATP6
0.999937 ENSG000001000000 CDKN1A
0.999937 ENSG000001000000 SST
0.999937 ENSG000001000000 TTR
0.999937 ENSG000001000000 TPI1
0.999937 ENSG000001000000 ENO1
0.999937 ENSG000001000000 INS
0.999937 ENSG000001000000 PSAP
0.999937 ENSG000001000000 H3-3B
0.999937 ENSG000001000000 MT-CO3

0.999937 ENSG00000 PDIA3
0.999937 ENSG00000 CLU
0.999937 ENSG00000 VIM
0.999937 ENSG00000 FN1
0.999937 ENSG00000 MT-CYB
0.999937 ENSG00000 CALM2
0.999937 ENSG00000 CXCL1
0.999937 ENSG00000 ITGB1
0.999937 ENSG00000 ALDOA
0.999937 ENSG00000 MYL6
0.999937 ENSG00000 COL1A1
0.999937 ENSG00000 PKM
0.999937 ENSG00000 HSP90AA1
0.999937 ENSG00000 CHGB
0.999937 ENSG00000 GAPDH
0.999937 ENSG00000 KRT18
0.999937 ENSG00000 SERPINE1
0.999937 ENSG00000 SQSTM1
0.999937 ENSG00000 TMBIM6
0.999937 ENSG00000 PFN1
0.999937 ENSG00000 MT-CO1
0.999937 ENSG00000 EEF1A1
0.999937 ENSG00000 MT-CO2
0.999937 ENSG00000 ANXA2
0.999937 ENSG00000 MT-ND4
0.999937 ENSG00000 CHGA
0.999937 ENSG00000 BEST1
0.999937 ENSG00000 HSPA5
0.999937 ENSG00000 ACTG1
0.999937 ENSG00000 CXCL8
0.999937 ENSG00000 MT-RNR2
0.999937 ENSG00000 B2M
0.999937 ENSG00000 ACTB
0.999937 ENSG00000 FTH1
0.999937 ENSG00000 FTL
0.999937 ENSG00000 GCG
0.999937 ENSG00000 MALAT1

Supplemental Table 8. GSEA of genes ranked by fold change upon infection with pAd-MIR125B vs cor

NAME	GS follow link to MSigDB	GS DETAILS	SIZE	ES	NES	NOM p-val
KEGG_RIBC	KEGG_RIBOSOME	Details ...	85	0.576343	2.037325	0
KEGG_NEU	KEGG_NEUROACTIVE_LIGAND	Details ...	119	0.513844	1.910216	0
KEGG_CAL	KEGG_CALCIUM_SIGNALING_P	Details ...	117	0.48521	1.790867	0
KEGG_BAS	KEGG_BASAL_CELL_CARCINOM	Details ...	42	0.54688	1.738705	0.005806
KEGG_ECM	KEGG_ECM_RECEPTOR_INTERA	Details ...	67	0.482126	1.661227	0.001318
KEGG_OLF	KEGG_OLFACTORY_TRANSDUC	Details ...	27	0.574526	1.647827	0.013616
KEGG_RET	KEGG_RETINOL_METABOLISM	Details ...	20	0.601215	1.643692	0.013997
KEGG_TAS	KEGG_TASTE_TRANSDUCTION	Details ...	18	0.615481	1.617421	0.018966
KEGG_SYST	KEGG_SYSTEMIC_LUPUS_ERYTH	Details ...	51	0.477335	1.556092	0.02371
KEGG_LON	KEGG_LONG_TERM_POTENTIAL	Details ...	57	0.46295	1.543082	0.024523
KEGG_ABC	KEGG_ABC_TRANSPORTERS	Details ...	36	0.505082	1.533111	0.025037
KEGG_GRA	KEGG_GRAFT_VERSUS_HOST_C	Details ...	18	0.570103	1.509007	0.056106
KEGG_GLY	KEGG_GLYCOSAMINOGLYCAN	Details ...	21	0.535843	1.454706	0.072488
KEGG_GLY	KEGG_GLYCOSAMINOGLYCAN	Details ...	24	0.520137	1.430762	0.076803
KEGG_DILA	KEGG_DILATED_CARDIOMYOP	Details ...	65	0.418609	1.427839	0.06
KEGG_CELL	KEGG_CELL_ADHESION_MOLEC	Details ...	97	0.396006	1.411988	0.042308
KEGG_HED	KEGG_HEDGEHOG_SIGNALING	Details ...	37	0.445488	1.366442	0.093617
KEGG_MEL	KEGG_MELANOGENESIS	Details ...	80	0.386577	1.360615	0.070681
KEGG_ONE	KEGG_ONE_CARBON_POOL_BY	Details ...	17	0.531171	1.358023	0.137987
KEGG_VAS	KEGG_VASCULAR_SMOOTH_M	Details ...	86	0.38533	1.355027	0.057545
KEGG_DNA	KEGG_DNA_REPLICATION		35	0.437058	1.340656	0.105951
KEGG_HEM	KEGG_HEMATOPOIETIC_CELL_LINEAGE		45	0.410802	1.330527	0.11288
KEGG_ARRI	KEGG_ARRHYTHMOGENIC_RIGHT_VENTRIC		57	0.402278	1.327172	0.102319
KEGG_FOC	KEGG_FOCAL_ADHESION		171	0.342407	1.322263	0.051643
KEGG_PRIC	KEGG_PRION_DISEASES		26	0.455257	1.316821	0.136701
KEGG_NOT	KEGG_NOTCH_SIGNALING_PATHWAY		44	0.403831	1.286991	0.167862
KEGG_PRIM	KEGG_PRIMARY_IMMUNODEFICIENCY		16	0.487823	1.247658	0.226351
KEGG_GLY	KEGG_GLYCINE_SERINE_AND_THREONINE		25	0.428532	1.207779	0.212894
KEGG_ANTI	KEGG_ANTIGEN_PROCESSING_AND_PRESE		48	0.369289	1.18918	0.233146
KEGG_DRUG	KEGG_DRUG_METABOLISM_OTHER_ENZY		26	0.419036	1.181997	0.25303
KEGG_AXO	KEGG_AXON_GUIDANCE		114	0.319939	1.18077	0.186358
KEGG_VEG	KEGG_VEGF_SIGNALING_PATHWAY		61	0.345557	1.167381	0.229465
KEGG_CARI	KEGG_CARDIAC_MUSCLE_CONTRACTION		54	0.3525	1.161112	0.235294
KEGG_HYPI	KEGG_HYPERTROPHIC_CARDIOMYOPATHY		60	0.340454	1.142559	0.257066
KEGG_GLY	KEGG_GLYCOPHINGOLIPID_BIOSYNTHESIS		24	0.398879	1.137557	0.309451
KEGG_GAP	KEGG_GAP_JUNCTION		74	0.327256	1.135953	0.258322
KEGG_AMY	KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS		48	0.350118	1.122416	0.289511
KEGG_MAP	KEGG_MAPK_SIGNALING_PATHWAY		219	0.276771	1.098091	0.28683
KEGG_NAT	KEGG_NATURAL_KILLER_CELL_MEDIATED		82	0.312257	1.091185	0.32956
KEGG_FC	KEGG_FC_GAMMA_R_MEDIATED_PHAGOC		84	0.306419	1.085978	0.330739
KEGG_STAF	KEGG_STARCH_AND_SUCROSE_METABOLI		26	0.382997	1.077083	0.370149
KEGG_SPLI	KEGG_SPLICEOSOME		126	0.290277	1.076521	0.333333
KEGG_END	KEGG_ENDOCYTOSIS		169	0.273775	1.069775	0.337995
KEGG_AUT	KEGG_AUTOIMMUNE_THYROID_DISEASE		16	0.412034	1.045931	0.416409
KEGG_LEIS	KEGG_LEISHMANIA_INFECTION		54	0.314191	1.044431	0.406417
KEGG_NEU	KEGG_NEUROTROPHIN_SIGNALING_PATHW		116	0.283007	1.041036	0.395152
KEGG_WNT	KEGG_WNT_SIGNALING_PATHWAY		127	0.278076	1.037095	0.387805
KEGG_LEU	KEGG_LEUKOCYTE_TRANSENDOTHELIAL_M		95	0.291588	1.035853	0.404255
KEGG_ALAI	KEGG_ALANINE_ASPARTATE_AND_GLUTAM		30	0.333651	0.991063	0.498485
KEGG_FC	KEGG_FC_EPSILON_RI_SIGNALING_PATHW		61	0.29286	0.990883	0.494055

KEGG_GNR	KEGG_GNRH_SIGNALING_PATHWAY	78	0.281486	0.977308	0.507853
KEGG_REGI	KEGG_REGULATION_OF_ACTIN_CYTOSKELI	173	0.249906	0.970926	0.538106
KEGG_LON	KEGG_LONG_TERM_DEPRESSION	52	0.292489	0.962608	0.543056
KEGG_HIST	KEGG_HISTIDINE_METABOLISM	24	0.33152	0.954153	0.52439
KEGG_CON	KEGG_COMPLEMENT_AND_COAGULATION	48	0.292254	0.943234	0.55144
KEGG_DOR	KEGG_DORSO_VENTRAL_AXIS_FORMATIOI	22	0.341253	0.938188	0.530903
KEGG_CHEI	KEGG_CHEMOKINE_SIGNALING_PATHWAY	137	0.244047	0.923642	0.627404
KEGG_PATH	KEGG_PATHWAYS_IN_CANCER	281	0.219697	0.887328	0.731551
KEGG_PHO	KEGG_PHOSPHATIDYLINOSITOL_SIGNALING	66	0.259851	0.883458	0.641232
KEGG_TYPE	KEGG_TYPE_II_DIABETES_MELLITUS	40	0.289133	0.882822	0.637016
KEGG_PRO	KEGG_PROGESTERONE_MEDIATED_OOCYT	76	0.248874	0.865376	0.681102
KEGG_T_CE	KEGG_T_CELL_RECEPTOR_SIGNALING_PAT	84	0.240604	0.854613	0.720721
KEGG_BASI	KEGG_BASE_EXCISION_REPAIR	33	0.284911	0.850642	0.676946
KEGG_TGF	KEGG_TGF_BETA_SIGNALING_PATHWAY	74	0.246535	0.848723	0.708058
KEGG_BET	KEGG_BETA_ALANINE_METABOLISM	20	0.299729	0.815317	0.708268
KEGG_OOC	KEGG_OOCYTE_MEIOSIS	98	0.221573	0.792426	0.826947
KEGG_VIRA	KEGG_VIRAL_MYOCARDITIS	47	0.250728	0.788582	0.772028
KEGG_GAL	KEGG_GALACTOSE_METABOLISM	22	0.277168	0.767781	0.779051
KEGG_B_CI	KEGG_B_CELL_RECEPTOR_SIGNALING_PAT	64	0.229628	0.765661	0.816712
KEGG_GLIC	KEGG_GLIOMA	57	0.226408	0.761398	0.825726
KEGG_CELL	KEGG_CELL_CYCLE	119	0.203051	0.748105	0.904762
KEGG_END	KEGG_ENDOMETRIAL_CANCER	48	0.224707	0.726642	0.838256
KEGG_PRO	KEGG_PROSTATE_CANCER	81	0.206466	0.724521	0.881735
KEGG_COLI	KEGG_COLORECTAL_CANCER	60	0.214592	0.719283	0.899183
KEGG_HUN	KEGG_HUNTINGTONS_DISEASE	163	0.184527	0.712409	0.949942
KEGG_ALZ	KEGG_ALZHEIMERS_DISEASE	146	0.186897	0.709747	0.93943
KEGG_ERB	KEGG_ERBB_SIGNALING_PATHWAY	80	0.194304	0.695975	0.921995
KEGG_TIG	KEGG_TIGHT_JUNCTION	110	0.187512	0.692687	0.949755
KEGG_MET	KEGG_METABOLISM_OF_XENOBIOTICS_BY	31	0.228126	0.660878	0.913562
KEGG_CHR	KEGG_CHRONIC_MYELOID_LEUKEMIA	71	0.183654	0.621812	0.965473
KEGG_POR	KEGG_PORPHYRIN_AND_CHLOROPHYLL_N	24	0.222189	0.617752	0.930599
KEGG_MIS	KEGG_MISMATCH_REPAIR	22	0.211317	0.585381	0.956386
KEGG_NON	KEGG_NON_SMALL_CELL_LUNG_CANCER	50	0.176048	0.578672	0.990071
KEGG_INTE	KEGG_INTESTINAL_IMMUNE_NETWORK_F	23	0.203734	0.565924	0.950078
KEGG_TRY	KEGG_TRYPTOPHAN_METABOLISM	35	0.175712	0.528136	0.987234
KEGG_PAR	KEGG_PARKINSONS_DISEASE	117	0.119881	0.443251	1
KEGG_OXI	KEGG_OXIDATIVE_PHOSPHORYLATION	117	0.117611	0.442128	1
KEGG_NUC	KEGG_NUCLEOTIDE_EXCISION_REPAIR	43	0.09204	0.289338	1

ntrol in Human islets: Up-regulated KEGG pathway terms

FDR q-val	FWER p-val	RANK AT MLEADING EDGE
0.00758	0.01	6060 tags=76%, list=35%, signal=117%
0.02026	0.053	2746 tags=38%, list=16%, signal=45%
0.058915	0.217	2765 tags=32%, list=16%, signal=37%
0.082159	0.37	3910 tags=48%, list=22%, signal=61%
0.149137	0.629	3808 tags=45%, list=22%, signal=57%
0.139047	0.672	2701 tags=37%, list=16%, signal=44%
0.12476	0.69	1297 tags=30%, list=7%, signal=32%
0.140428	0.779	3327 tags=56%, list=19%, signal=69%
0.210455	0.91	3264 tags=41%, list=19%, signal=51%
0.210489	0.937	3735 tags=40%, list=21%, signal=51%
0.208011	0.949	2280 tags=25%, list=13%, signal=29%
0.230342	0.974	3008 tags=39%, list=17%, signal=47%
0.31989	0.999	3150 tags=38%, list=18%, signal=46%
0.350604	1	1345 tags=21%, list=8%, signal=23%
0.335192	1	3889 tags=45%, list=22%, signal=57%
0.3502	1	2640 tags=26%, list=15%, signal=30%
0.438727	1	3798 tags=41%, list=22%, signal=52%
0.430115	1	3798 tags=36%, list=22%, signal=46%
0.414689	1	3492 tags=47%, list=20%, signal=59%
0.400889	1	3735 tags=36%, list=21%, signal=46%
0.415237	1	5245 tags=43%, list=30%, signal=61%
0.420405	1	1088 tags=16%, list=6%, signal=17%
0.411075	1	3318 tags=33%, list=19%, signal=41%
0.406843	1	3840 tags=32%, list=22%, signal=41%
0.402811	1	3738 tags=38%, list=21%, signal=49%
0.456075	1	4189 tags=41%, list=24%, signal=54%
0.540308	1	2144 tags=31%, list=12%, signal=36%
0.637417	1	1158 tags=16%, list=7%, signal=17%
0.672191	1	3532 tags=35%, list=20%, signal=44%
0.671197	1	588 tags=12%, list=3%, signal=12%
0.653968	1	4588 tags=35%, list=26%, signal=47%
0.674239	1	4682 tags=41%, list=27%, signal=56%
0.671079	1	4163 tags=28%, list=24%, signal=36%
0.706396	1	3373 tags=35%, list=19%, signal=43%
0.70047	1	3063 tags=33%, list=18%, signal=40%
0.685242	1	3840 tags=35%, list=22%, signal=45%
0.704504	1	700 tags=10%, list=4%, signal=11%
0.756649	1	3731 tags=27%, list=21%, signal=34%
0.757942	1	3033 tags=26%, list=17%, signal=31%
0.755176	1	5004 tags=32%, list=29%, signal=45%
0.762364	1	1135 tags=12%, list=7%, signal=12%
0.746222	1	4461 tags=26%, list=26%, signal=35%
0.747766	1	3730 tags=27%, list=21%, signal=34%
0.795315	1	3008 tags=38%, list=17%, signal=45%
0.781838	1	3318 tags=28%, list=19%, signal=34%
0.77331	1	3034 tags=21%, list=17%, signal=25%
0.767534	1	3658 tags=25%, list=21%, signal=32%
0.754373	1	2843 tags=20%, list=16%, signal=24%
0.858829	1	1365 tags=13%, list=8%, signal=14%
0.842298	1	4792 tags=41%, list=28%, signal=56%

0.860414	1	4682 tags=40%, list=27%, signal=54%
0.860409	1	4098 tags=23%, list=24%, signal=30%
0.86537	1	3735 tags=35%, list=21%, signal=44%
0.871479	1	1886 tags=17%, list=11%, signal=19%
0.882725	1	3406 tags=29%, list=20%, signal=36%
0.87968	1	2059 tags=18%, list=12%, signal=21%
0.899175	1	4077 tags=31%, list=23%, signal=40%
0.969739	1	3840 tags=23%, list=22%, signal=29%
0.962267	1	4682 tags=35%, list=27%, signal=48%
0.94783	1	3501 tags=28%, list=20%, signal=34%
0.971338	1	4667 tags=37%, list=27%, signal=50%
0.97848	1	4629 tags=30%, list=27%, signal=40%
0.97183	1	2111 tags=15%, list=12%, signal=17%
0.960594	1	3423 tags=26%, list=20%, signal=32%
1	1	1158 tags=10%, list=7%, signal=11%
1	1	2958 tags=17%, list=17%, signal=21%
1	1	3008 tags=30%, list=17%, signal=36%
1	1	112 tags=5%, list=1%, signal=5%
1	1	4682 tags=33%, list=27%, signal=45%
1	1	2974 tags=18%, list=17%, signal=21%
1	1	3832 tags=23%, list=22%, signal=29%
1	1	2974 tags=17%, list=17%, signal=20%
1	1	3339 tags=19%, list=19%, signal=23%
1	1	3266 tags=18%, list=19%, signal=22%
1	1	5069 tags=24%, list=29%, signal=33%
1	1	4349 tags=19%, list=25%, signal=25%
1	1	2974 tags=16%, list=17%, signal=20%
1	1	2766 tags=17%, list=16%, signal=20%
1	1	1615 tags=10%, list=9%, signal=11%
1	1	4608 tags=28%, list=26%, signal=38%
1	1	165 tags=4%, list=1%, signal=4%
1	1	13722 tags=100%, list=79%, signal=473%
1	1	2974 tags=16%, list=17%, signal=19%
1	1	3318 tags=22%, list=19%, signal=27%
1	1	3573 tags=17%, list=21%, signal=22%
1	1	4164 tags=18%, list=24%, signal=23%
1	1	6231 tags=33%, list=36%, signal=52%
1	1	5245 tags=26%, list=30%, signal=37%

Supplemental Table 8. GSEA of genes ranked by fold change upon infection with pAd-MIR125B vs cont

NAME	GS follow link to M'SGS DETAILS SIZE	ES
KEGG_LYSOSOME	KEGG_LYSOSOME Details ...	115 -0.44582
KEGG_AMINO_SUGAR_AND_NUCLEOTIDE	KEGG_AMINO_SUGAR_ Details ...	41 -0.51566
KEGG_STEROID_BIOSYNTHESIS	KEGG_STEROID_BIOSYN Details ...	16 -0.6264
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE	KEGG_VALINE_LEUCINE Details ...	42 -0.49911
KEGG_REGULATION_OF_AUTOPHAGY	KEGG_REGULATION_OF Details ...	20 -0.52224
KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM	KEGG_FRUCTOSE_AND_ Details ...	31 -0.4855
KEGG_NICOTINATE_AND_NICOTINAMIDE	KEGG_NICOTINATE_ANI Details ...	19 -0.53378
KEGG_GLYCOLYSIS_GLUONEOGENESIS	KEGG_GLYCOLYSIS_GLU Details ...	44 -0.43292
KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING	KEGG_RIG_I_LIKE_RECEI Details ...	53 -0.41125
KEGG_GLYCOSYLPHOSPHATIDYLINOSITOL	KEGG_GLYCOSYLPHOSPI Details ...	24 -0.47406
KEGG_CITRATE_CYCLE_TCA_CYCLE	KEGG_CITRATE_CYCLE_ Details ...	28 -0.44071
KEGG_SPHINGOLIPID_METABOLISM	KEGG_SPHINGOLIPID_M Details ...	35 -0.41613
KEGG_BUTANOATE_METABOLISM	KEGG_BUTANOATE_ME Details ...	27 -0.41932
KEGG_PROTEIN_EXPORT	KEGG_PROTEIN_EXPOR Details ...	23 -0.44124
KEGG_ARGININE_AND_PROLINE_METABOLISM	KEGG_ARGININE_AND_ Details ...	47 -0.36422
KEGG_RNA_DEGRADATION	KEGG_RNA_DEGRADATI Details ...	56 -0.35137
KEGG_PEROXISOME	KEGG_PEROXISOME Details ...	72 -0.32681
KEGG_O_GLYCAN_BIOSYNTHESIS	KEGG_O_GLYCAN_BIOS Details ...	24 -0.41337
KEGG_TOLL_LIKE_RECEPTOR_SIGNALING	KEGG_TOLL_LIKE_RECEI Details ...	78 -0.31554
KEGG_SNARE_INTERACTIONS_IN_VESICUL	KEGG_SNARE_INTERACTI Details ...	36 -0.3777
KEGG_PYRUVATE_METABOLISM	KEGG_PYRUVATE_METABOLISM	35 -0.37282
KEGG_PYRIMIDINE_METABOLISM	KEGG_PYRIMIDINE_METABOLISM	92 -0.29433
KEGG_PROPANOATE_METABOLISM	KEGG_PROPANOATE_METABOLISM	30 -0.37172
KEGG_VASOPRESSIN_REGULATED_WATER	KEGG_VASOPRESSIN_REGULATED_	39 -0.33854
KEGG_N_GLYCAN_BIOSYNTHESIS	KEGG_N_GLYCAN_BIOSYNTHESIS	45 -0.33031
KEGG_P53_SIGNALING_PATHWAY	KEGG_P53_SIGNALING_PATHWAY	62 -0.30452
KEGG_BIOSYNTHESIS_OF_UNSATURATED	KEGG_BIOSYNTHESIS_OF_UNSATUF	22 -0.38873
KEGG_SELENOAMINO_ACID_METABOLISM	KEGG_SELENOAMINO_ACID_METAI	26 -0.35617
KEGG_APOPTOSIS	KEGG_APOPTOSIS	80 -0.2745
KEGG_GLYCEROPHOSPHOLIPID_METABOLISM	KEGG_GLYCEROPHOSPHOLIPID_ME	65 -0.28238
KEGG_GLYCOSAMINOGLYCAN_DEGRADATION	KEGG_GLYCOSAMINOGLYCAN_DEG	18 -0.37335
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_IN	KEGG_CYTOKINE_CYTOKINE_RECEP	148 -0.2405
KEGG_RNA_POLYMERASE	KEGG_RNA_POLYMERASE	29 -0.33069
KEGG_PENTOSE_PHOSPHATE_PATHWAY	KEGG_PENTOSE_PHOSPHATE_PATH	22 -0.35255
KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS	KEGG_UBIQUITIN_MEDIATED_PRO	131 -0.24433
KEGG_AMINOACYL_TRNA_BIOSYNTHESIS	KEGG_AMINOACYL_TRNA_BIOSYNT	41 -0.30119
KEGG_TYROSINE_METABOLISM	KEGG_TYROSINE_METABOLISM	28 -0.31904
KEGG_PROTEASOME	KEGG_PROTEASOME	41 -0.29541
KEGG_ARACHIDONIC_ACID_METABOLISM	KEGG_ARACHIDONIC_ACID_METAB	30 -0.30899
KEGG_ADIPOCYTOKINE_SIGNALING_PATHWAY	KEGG_ADIPOCYTOKINE_SIGNALING	59 -0.26332
KEGG_PPAR_SIGNALING_PATHWAY	KEGG_PPAR_SIGNALING_PATHWAY	47 -0.27786
KEGG_JAK_STAT_SIGNALING_PATHWAY	KEGG_JAK_STAT_SIGNALING_PATH	98 -0.22847
KEGG_GLUTATHIONE_METABOLISM	KEGG_GLUTATHIONE_METABOLISM	44 -0.27456
KEGG_MATURITY_ONSET_DIABETES_OF_T	KEGG_MATURITY_ONSET_DIABETE	22 -0.30453
KEGG_MTOR_SIGNALING_PATHWAY	KEGG_MTOR_SIGNALING_PATHWA	47 -0.2529
KEGG_PANCREATIC_CANCER	KEGG_PANCREATIC_CANCER	66 -0.23575
KEGG_FATTY_ACID_METABOLISM	KEGG_FATTY_ACID_METABOLISM	34 -0.26688
KEGG_BLADDER_CANCER	KEGG_BLADDER_CANCER	40 -0.26493
KEGG_TYPE_I_DIABETES_MELLITUS	KEGG_TYPE_I_DIABETES_MELLITUS	25 -0.29202
KEGG_LYSINE_DEGRADATION	KEGG_LYSINE_DEGRADATION	43 -0.24165

KEGG_VIBRIO_CHOLERAЕ_INFECTION	KEGG_VIBRIO_CHOLERAЕ_INFECTIC	47	-0.24687
KEGG_STEROID_HORMONE_BIOSYNTHESIS	KEGG_STEROID_HORMONE_BIOSYN	23	-0.28302
KEGG_ETHER_LIPID_METABOLISM	KEGG_ETHER_LIPID_METABOLISM	23	-0.27235
KEGG_ALLOGRAFT_REJECTION	KEGG_ALLOGRAFT_REJECTION	16	-0.30153
KEGG_MELANOMA	KEGG_MELANOMA	55	-0.21708
KEGG_EPITHELIAL_CELL_SIGNALING_IN_HI	KEGG_EPITHELIAL_CELL_SIGNALING	61	-0.20983
KEGG_PROXIMAL_TUBULE_BICARBONATE	KEGG_PROXIMAL_TUBULE_BICARB	18	-0.28071
KEGG_SMALL_CELL_LUNG_CANCER	KEGG_SMALL_CELL_LUNG_CANCER	78	-0.19125
KEGG_THYROID_CANCER	KEGG_THYROID_CANCER	28	-0.24345
KEGG_PURINE_METABOLISM	KEGG_PURINE_METABOLISM	139	-0.17225
KEGG_CYSTEINE_AND_METHIONINE_MET	KEGG_CYSTEINE_AND_METHIONIN	29	-0.23857
KEGG_RENAL_CELL_CARCINOMA	KEGG_RENAL_CELL_CARCINOMA	66	-0.20138
KEGG_NITROGEN_METABOLISM	KEGG_NITROGEN_METABOLISM	16	-0.27028
KEGG_ACUTE_MYELOID_LEUKEMIA	KEGG_ACUTE_MYELOID_LEUKEMIA	52	-0.19712
KEGG_NOD_LIKE_RECEPTOR_SIGNALING_F	KEGG_NOD_LIKE_RECEPTOR_SIGN	55	-0.19378
KEGG_DRUG_METABOLISM_CYTOCHROME	KEGG_DRUG_METABOLISM_CYTOC	30	-0.21616
KEGG_BASAL_TRANSCRIPTION_FACTORS	KEGG_BASAL_TRANSCRIPTION_FAC	31	-0.21089
KEGG_ADHERENS_JUNCTION	KEGG_ADHERENS_JUNCTION	69	-0.16794
KEGG_HOMOLOGOUS_RECOMBINATION	KEGG_HOMOLOGOUS_RECOMBINA	27	-0.20758
KEGG_INOSITOL_PHOSPHATE_METABOLIS	KEGG_INOSITOL_PHOSPHATE_MET	48	-0.1755
KEGG_GLYCEROLIPID_METABOLISM	KEGG_GLYCEROLIPID_METABOLISM	45	-0.17802
KEGG_PHENYLALANINE_METABOLISM	KEGG_PHENYLALANINE_METABOLI	15	-0.21084
KEGG_INSULIN_SIGNALING_PATHWAY	KEGG_INSULIN_SIGNALING_PATHW	119	-0.13451
KEGG_ALDOSTERONE_REGULATED_SODIU	KEGG_ALDOSTERONE_REGULATED_	31	-0.17237
KEGG_PATHOGENIC_ESCHERICHIA_COLI_I	KEGG_PATHOGENIC_ESCHERICHIA_	49	-0.14736
KEGG_CYTOSOLIC_DNA_SENSING_PATHW	KEGG_CYTOSOLIC_DNA_SENSING_F	39	-0.15472

troll in Human islets: Down-regulated KEGG pathway terms

NES	NOM p-val	FDR q-val	FWER p-val	RANK AT M	LEADING EDGE
-2.00253	0	0.069677	0.042	4704	tags=50%, list=27%, signal=69%
-1.93652	0	0.072513	0.086	5488	tags=56%, list=32%, signal=82%
-1.83543	0.005236	0.114056	0.188	3646	tags=56%, list=21%, signal=71%
-1.83406	0.00369	0.085974	0.189	6810	tags=67%, list=39%, signal=109%
-1.62603	0.031579	0.289071	0.585	4374	tags=45%, list=25%, signal=60%
-1.62244	0.018576	0.245182	0.594	5488	tags=45%, list=32%, signal=66%
-1.61546	0.022284	0.217741	0.607	4168	tags=47%, list=24%, signal=62%
-1.59487	0.013029	0.217673	0.652	5298	tags=43%, list=30%, signal=62%
-1.58841	0.023904	0.20109	0.661	3271	tags=34%, list=19%, signal=42%
-1.51729	0.053824	0.279885	0.832	4717	tags=42%, list=27%, signal=57%
-1.50308	0.030675	0.273578	0.851	5464	tags=54%, list=31%, signal=78%
-1.44316	0.075163	0.352014	0.925	4704	tags=51%, list=27%, signal=70%
-1.4098	0.075209	0.383272	0.947	6810	tags=56%, list=39%, signal=91%
-1.39697	0.097983	0.380616	0.961	7157	tags=65%, list=41%, signal=111%
-1.37522	0.082508	0.396716	0.965	6076	tags=60%, list=35%, signal=91%
-1.35979	0.059649	0.404043	0.973	6342	tags=54%, list=36%, signal=84%
-1.3367	0.051383	0.428453	0.986	5388	tags=56%, list=31%, signal=80%
-1.33387	0.106849	0.410922	0.987	1760	tags=29%, list=10%, signal=32%
-1.32234	0.055085	0.412378	0.989	3516	tags=31%, list=20%, signal=38%
-1.31978	0.104101	0.396495	0.989	6200	tags=53%, list=36%, signal=82%
-1.31752	0.112179	0.38114	0.99	5464	tags=57%, list=31%, signal=83%
-1.26696	0.091837	0.466667	0.998	4617	tags=32%, list=27%, signal=43%
-1.25871	0.166163	0.46379	0.999	5022	tags=43%, list=29%, signal=61%
-1.24328	0.139456	0.479644	0.999	5532	tags=51%, list=32%, signal=75%
-1.24014	0.138614	0.467218	0.999	4944	tags=49%, list=28%, signal=68%
-1.21838	0.153584	0.498923	0.999	4338	tags=40%, list=25%, signal=54%
-1.21767	0.211538	0.482233	0.999	4784	tags=41%, list=28%, signal=56%
-1.1775	0.218563	0.561817	1	4545	tags=42%, list=26%, signal=57%
-1.16958	0.157658	0.563276	1	4226	tags=31%, list=24%, signal=41%
-1.13661	0.224	0.636681	1	4904	tags=42%, list=28%, signal=58%
-1.12297	0.308458	0.653727	1	3686	tags=50%, list=21%, signal=63%
-1.11436	0.18239	0.6575	1	2167	tags=20%, list=12%, signal=22%
-1.10976	0.30721	0.650201	1	6205	tags=34%, list=36%, signal=54%
-1.10415	0.304348	0.64771	1	7188	tags=55%, list=41%, signal=93%
-1.10024	0.22807	0.639433	1	5285	tags=40%, list=30%, signal=57%
-1.09312	0.302721	0.641857	1	6858	tags=61%, list=39%, signal=100%
-1.07106	0.338192	0.682146	1	5839	tags=43%, list=34%, signal=64%
-1.06209	0.327869	0.690235	1	7720	tags=54%, list=44%, signal=96%
-1.04636	0.345821	0.715344	1	4862	tags=47%, list=28%, signal=65%
-1.04609	0.388278	0.698345	1	3369	tags=27%, list=19%, signal=34%
-1.01963	0.429043	0.757953	1	2700	tags=26%, list=16%, signal=30%
-1.00276	0.457143	0.78953	1	3891	tags=31%, list=22%, signal=39%
-0.99012	0.479592	0.809005	1	4507	tags=34%, list=26%, signal=46%
-0.97326	0.475138	0.841031	1	2458	tags=32%, list=14%, signal=37%
-0.96769	0.529851	0.83815	1	3595	tags=30%, list=21%, signal=37%
-0.9565	0.512821	0.853986	1	4148	tags=32%, list=24%, signal=42%
-0.95432	0.514286	0.841839	1	3536	tags=29%, list=20%, signal=37%
-0.95291	0.487097	0.828759	1	3503	tags=33%, list=20%, signal=41%
-0.94587	0.521212	0.833113	1	1468	tags=20%, list=8%, signal=22%
-0.91786	0.593857	0.893365	1	4800	tags=33%, list=28%, signal=45%

-0.91355	0.597315	0.887317	1	5902	tags=45%, list=34%, signal=67%
-0.90598	0.565714	0.892091	1	3146	tags=39%, list=18%, signal=48%
-0.8673	0.646893	0.980099	1	6018	tags=52%, list=35%, signal=80%
-0.85406	0.638298	0.99422	1	2942	tags=31%, list=17%, signal=38%
-0.8533	0.73913	0.978174	1	3503	tags=25%, list=20%, signal=32%
-0.84885	0.752	0.971375	1	3685	tags=25%, list=21%, signal=31%
-0.82606	0.681818	1	1	5943	tags=56%, list=34%, signal=84%
-0.81467	0.827004	1	1	3437	tags=23%, list=20%, signal=29%
-0.80868	0.757475	1	1	3845	tags=39%, list=22%, signal=50%
-0.80323	0.930818	1	1	2203	tags=16%, list=13%, signal=18%
-0.79534	0.784884	1	1	5202	tags=41%, list=30%, signal=59%
-0.79234	0.829457	0.991739	1	3503	tags=27%, list=20%, signal=34%
-0.77475	0.759591	1	1	974	tags=19%, list=6%, signal=20%
-0.75891	0.873563	1	1	3503	tags=23%, list=20%, signal=29%
-0.75597	0.905594	1	1	2837	tags=18%, list=16%, signal=22%
-0.73424	0.846645	1	1	4742	tags=33%, list=27%, signal=46%
-0.72319	0.895899	1	1	1869	tags=19%, list=11%, signal=22%
-0.69608	0.971429	1	1	5977	tags=41%, list=34%, signal=62%
-0.69446	0.923304	1	1	4123	tags=30%, list=24%, signal=39%
-0.65415	0.960432	1	1	3959	tags=25%, list=23%, signal=32%
-0.63749	0.97048	1	1	2788	tags=20%, list=16%, signal=24%
-0.6137	0.94517	1	1	5839	tags=47%, list=34%, signal=70%
-0.60955	1	1	1	5901	tags=36%, list=34%, signal=54%
-0.59513	0.969325	1	1	3503	tags=23%, list=20%, signal=28%
-0.56253	0.992701	1	1	3753	tags=20%, list=22%, signal=26%
-0.55241	0.987616	0.989077	1	6836	tags=41%, list=39%, signal=67%

Supplemental Table 9. Donor characteristics of human islets as provided by the isolation center.

Identifier	BMI (Kg/m ²)	Age	Sex	Origin (Facility)
P43	27.4	72	Male	Pisa, Italy
P59	21.5	68	Male	Pisa, Italy
P60	27.8	61	Male	Milano, Italy
P66	31	52	Male	Pisa, Italy
P74	24.5	83	Male	Pisa, Italy
P76	22.9	75	Male	Pisa, Italy
P80	35	54	Male	Edmonton, Cananda (McDonald)
P81	29.7	65	Male	Edmonton, Cananda (McDonald)
P84	NS	89	Male	Pisa, Italy
P86	23	41	Male	Leiden, Netherlands
P89	24.5	64	Male	Pisa, Italy
P94	29.4	51	Male	Edmonton, Cananda (McDonald)
P95	42.60	38	Male	Edmonton, Cananda (McDonald)
P97	28.7	62	Male	Edmonton, Cananda (Shapiro)
P100	32.6	42	Male	Pisa, Italy
P112	28.8	69	Male	Edmonton, Cananda (McDonald)
P115	30.5	27	Male	Edmonton, Cananda (Shapiro)
P118	28.4	68	Male	Pisa, Italy
P119	29.4	49	Male	Edmonton, Cananda (Shapiro)
P124	22.9	18	Male	Edmonton, Cananda (Shapiro)
P125	24.5	75	Male	Pisa, Italy
P128	22.5	74	Male	Pisa, Italy
P119	29.4	49	Male	Edmonton, Cananda (Shapiro)
P130	23.2	84	Male	Pisa, Italy
P131	32	56	Male	Milano, Italy
P132	24	57	Male	Oxford, UK
P136	19.8	59	Male	Pisa, Italy
P138	21.6	63	Male	Milano, Italy
P140	23	41	Male	Leiden, Netherlands
P141	31	45	Male	Leiden, Netherlands
P142	31.2	71	Female	Pisa, Italy
P148	26.4	66	Male	Pisa, Italy
P152	33.8	44	Male	Edmonton, Cananda (McDonald)
P28	NS	69	Female	Edmonton, Cananda (Shapiro)
P36	25.2	37	Female	Geneva, Switzerland
P41	17.9	58	Female	Edmonton, Canada (Shapiro)
P42	21	23	Female	Edmonton, Canada (Shapiro)
P77	33.1	66	Female	Edmonton, Cananda (McDonald)

P85	23.9	62	Female	Pisa, Italy
P87	23	66	Female	Pisa, Italy
P93	26	57	Female	Milano, Italy
P102	31.5	78	Female	Edmonton, Cananda (Shapiro)
P106	20.6	49	Female	Milano, Italy
P113	32.3	30	Female	Edmonton, Cananda (McDonald)
P114	35	46	Female	Oxford, UK
P116	26	55	Female	Milano, Italy
P117	24.5	52	Female	Milano, Italy
P120	25.8	58	Female	Pisa, Italy
P123	22	88	Female	Pisa, Italy
P126	18.5	66	Female	Edmonton, Cananda (McDonald)
P134	44.1	51	Female	Geneva, Switzerland
P137	28.2	84	Female	Pisa, Italy
P142	31.2	71	Female	Pisa, Italy
P144	31.2	49	Female	Pisa, Italy
P145	25.7	78	Female	Pisa, Italy
P146	31.9	73	Female	Strasbourg, France

Donors used for C991/C13 experiments (Figure 1E): P28, P36, P41, P42, P43

Donors used for Ad-AMPK-DN experiments (Figure 1E): P41, P43, P144 and P146

Donors used for effect of glucose on miR-125b expression (Figure 1A): P59, P80, P85, P95, P106, P114 and P116

Donors used for GSIS (Figure 1C): P144 and P146

Donors used for analysis of M6PR expression: P144, P145 and P146.

Donors used for RNAseq (Figure S8): P130, P132 and P138

All other samples used for correlation of miR-125b with BMI/Age/Sex (Figure 1b, Sup Figure 1)