

CHS Schoenfeld Residuals Testing

Sequence ID	Entrez Gene Symbol	HF Chi Squared	HF P Value
7655-11	NPPB	56.74	9.09E-07
3057-55	CCN4	51.97	5.72E-06
11278-4	COL11A2	49.86	1.27E-05
13460-4	CHAD	49.86	1.27E-05
3352-80	CA6	49.80	1.3E-05
13043-157	ATAD2	49.30	1.57E-05
2960-66	CFP	48.98	1.76E-05
4811-33	ITIH4	48.51	2.1E-05
12612-37	PSMB1	48.12	2.43E-05
13025-4	FRS2	47.71	2.83E-05
9380-2	PLA2G12B	47.45	3.12E-05
7762-30	SNN	47.07	3.59E-05
3184-25	F7	46.86	3.88E-05
8841-65	CILP2	46.82	3.93E-05
3035-80	IL19	46.79	3.99E-05
3651-50	KDR	46.48	4.46E-05
6457-50	PCDHGA1	46.46	4.49E-05
8654-13	ADAM10	46.45	4.51E-05
6966-144	STX1B	46.00	5.31E-05
6557-50	LRRC15	45.97	5.38E-05
13645-14	DHX38	45.83	5.66E-05
9927-96	TNS4	45.79	5.74E-05
3066-12	LGALS3	45.53	6.32E-05
13604-27	NEURL1	45.52	6.35E-05
9341-1	PDGFD	44.79	8.26E-05
7060-2	ERO1A	44.77	8.32E-05
9828-86	LDHC	44.75	8.38E-05
5358-3	OMD	44.74	8.42E-05
13724-27	FGF19	44.73	8.44E-05
5001-6	SCGB2A1	44.73	8.45E-05
10627-87	APLP2	44.69	8.56E-05
5728-60	FCRL1	44.68	8.6E-05
5354-11	KRT18	44.44	9.39E-05
5480-49	CCL5	44.42	9.45E-05

3858-5	ACP1	44.39	9.56E-05
13613-23	AK5	44.36	9.67E-05
6444-15	PSG3	44.36	9.67E-05
2950-57	IGFBP4	44.25	0.00010041
9901-28	EGLN1	44.22	0.00010147
7007-24	TRAPPC4	44.18	0.00010316
10485-56	MAGEA4	44.17	0.00010325
2829-19	IL27 EBI3	44.15	0.0001042
4549-78	FUT5	44.14	0.00010457
2790-54	PPBP	44.02	0.00010899
7092-7	PDILT	43.99	0.00011038
12333-87	RPIA	43.87	0.00011516
4544-4	PPBP	43.85	0.0001162
5443-62	NPPA	43.81	0.00011758
10511-10	COL6A3	43.79	0.00011857
12477-42	TSN	43.76	0.00012006
2752-62	GDF5	43.72	0.00012151
13982-33	RGS18	43.60	0.00012689
7184-13	CEACAM7	43.48	0.0001327
8390-25	COX7A1	43.48	0.0001327
2962-50	PTHLH	43.45	0.00013408
2447-7	PLA2G2E	43.39	0.00013684
2961-1	PROC	43.39	0.00013712
7969-163	WFDC11	43.38	0.00013731
9796-4	CEL	43.35	0.00013906
7227-75	COCH	43.33	0.00013997
2677-1	EGFR	43.30	0.00014167
7806-33	B4GALT7	43.25	0.00014417
8068-43	MYORG	43.24	0.00014442
12925-105	AXIN2	43.23	0.00014481
13510-7	ATP2A3	43.21	0.00014631
8249-124	ALK	43.19	0.00014688
5112-73	CD200	43.18	0.00014745
9744-139	DNAJA4	43.17	0.00014803
12657-2	TSTA3	43.16	0.00014847
14133-93	IL1R2	43.13	0.00015045

7753-21	HTATIP2	43.11	0.00015122
6706-18	ALPG	43.11	0.00015135
3450-4	KLK6	43.09	0.00015229
14711-27	CST6	43.05	0.00015492
9475-22	GPX5	43.00	0.00015763
5719-66	FAM189A2	42.96	0.00015999
3038-9	CXCL11	42.93	0.00016149
4557-61	KIRREL3	42.92	0.00016175
13676-46	INHBB	42.88	0.00016423
5087-5	IL22RA2	42.80	0.00016931
3474-19	THBS1	42.77	0.00017082
2618-10	ERBB4	42.76	0.00017131
8405-108	ADAM10	42.76	0.00017161
4831-4	SELL	42.72	0.0001738
2605-49	TNFRSF8	42.70	0.000175
11646-4	CHST9	42.70	0.00017538
5335-73	ANXA6	42.69	0.00017593
8398-277	RARRES1	42.67	0.00017688
2811-27	ANGPT1	42.66	0.00017771
10612-18	PLOD3	42.66	0.00017772
2993-1	IL18RAP	42.64	0.00017903
8913-22	SIGLEC11	42.63	0.0001796
3171-57	APP	42.63	0.00017966
12933-17	ENOX1	42.57	0.00018341
6240-70	RSPO1	42.54	0.00018534
9372-157	MPZL2	42.52	0.00018685
7196-21	IFNW1	42.50	0.00018852
6213-10	CGB2	42.43	0.00019308
6367-66	FMOD	42.40	0.0001952
9573-108	TXNDC11	42.37	0.00019712
6491-59	KLK15	42.37	0.00019741
2976-58	DSG1	42.36	0.00019777
14628-72	FBXO3	42.27	0.00020423
12784-10	APBB3	42.25	0.00020583
6400-33	TP53I13	42.24	0.00020607
13603-7	RFESD	42.24	0.00020657

12663-1	TST	42.23	0.00020705
11140-56	COL1A1	42.19	0.00020996
3322-52	LRIG3	42.12	0.0002151
12712-9	HMG20A	42.12	0.00021575
2788-55	MMP3	42.11	0.00021633
5353-89	IL1RN	42.10	0.00021662
4499-21	PDGFA	42.07	0.00021947
3182-38	ENTPD1	42.06	0.00022016
4149-8	PDGFB	42.04	0.00022121
10734-339	GAL3ST2	42.01	0.00022382
9401-57	TRABD2A	42.00	0.00022488
10438-19	CSF2RA	41.99	0.00022586
4924-32	MMP1	41.99	0.00022591
2631-50	IL10RB	41.98	0.00022671
2952-75	IGF1	41.96	0.00022779
6612-90	BRICD5	41.94	0.00022981
6255-74	CPXM1	41.92	0.00023147
6933-20	MRPL34	41.91	0.00023163
13059-33	RFK	41.89	0.00023328
13481-24	TCEA2	41.89	0.00023329
3472-40	BIRC5	41.85	0.00023705
5029-3	FAP	41.84	0.00023747
9290-8	RMDN3	41.81	0.00024006
8042-88	SPINK9	41.80	0.00024112
12630-8	ARFIP2	41.80	0.0002416
3340-53	THBS4	41.79	0.0002419
10603-1	HTN3	41.77	0.00024383
3339-33	THBS2	41.76	0.00024462
4721-54	TFF3	41.75	0.00024531
13507-51	TRADD	41.73	0.00024748
6599-5	APCDD1	41.73	0.00024759
8409-3	RSPO2	41.72	0.00024833
3285-23	C1R	41.65	0.00025415
10521-10	MXRA8	41.63	0.00025598
8535-102	DMKN	41.63	0.00025623
7251-64	C1QTNF3	41.62	0.00025683

10767-52	ADGRG2	41.62	0.00025731
3043-49	SPARC	41.61	0.00025757
2761-49	FGF18	41.60	0.00025853
8314-71	GNS	39.94	0.00026025
9043-7	TFIP11	41.58	0.00026093
9925-56	SCARF2	41.57	0.00026205
7084-1	DRAXIN	41.56	0.00026265
8328-9	ETNK1	41.53	0.00026543
14122-132	ZNRF3	41.44	0.000274
14047-78	BDNF	41.43	0.0002748
7045-4	BNIP3	41.43	0.00027536
3166-92	CD33	41.39	0.00027879
6207-10	PSAP	41.36	0.00028141
7943-16	CUZD1	41.36	0.00028201
2946-52	CFD	41.35	0.00028284
6472-40	PMEL	41.35	0.00028289
5653-23	PRSS37	41.34	0.00028386
10449-31	SHISA2	41.32	0.0002859
13548-53	PLPP4	41.30	0.00028802
5621-64	THSD1	41.29	0.00028833
8356-88	OXT	41.28	0.00028978
7137-8	MSRA	41.26	0.00029139
4540-11	CBX5	41.26	0.0002916
11368-32	AK2	41.25	0.00029317
9941-70	PCDHB1	41.25	0.00029321
3423-59	CMA1	41.24	0.00029373
13516-46	EMC4	41.24	0.00029376
8681-93	PGRMC2	41.24	0.0002942
2734-49	NCR2	41.21	0.00029756
8013-9	LMAN2L	41.19	0.00029903
8038-41	NSDHL	41.17	0.00030121
13055-53	PSD	41.16	0.00030273
7110-2	DNAJB11	41.15	0.00030324
4141-79	CXCL10	41.15	0.00030334
13484-69	COL1A1	41.13	0.00030572
5661-15	IL18	41.12	0.00030685

2760-2	FAM107A	41.07	0.00031194
14246-50	DOK2	41.07	0.00031239
9453-12	VEGFB	41.06	0.00031311
10534-40	PARP1	41.02	0.00031811
12842-43	STX10	41.00	0.00032033
10087-10	CRYAA	40.98	0.0003217
4963-19	ARPP19	40.98	0.0003221
9783-75	DNAJC11	40.98	0.00032216
10442-1	TMEM190	40.96	0.00032482
6414-8	OAF	40.95	0.00032593
14065-11	CD5	40.94	0.0003262
8814-33	PSAPL1	40.94	0.00032666
9713-67	PDGFRL	40.94	0.00032672
10666-7	GNPTG	40.94	0.00032712
7064-2	VAMP8	40.93	0.00032807
12522-6	RAD23B	40.92	0.00032928
8892-14	PEAR1	40.92	0.00032931
11277-23	ATF6	40.91	0.0003296
14098-28	CARS1	40.91	0.00032992
3004-67	PDCD1LG2	40.91	0.00033047
3581-53	AHSG	40.89	0.0003318
3204-2	LTA4H	40.89	0.00033194
13659-36	ATP13A1	40.88	0.00033339
13392-13	ATP1B1	40.88	0.00033398
8043-153	COMP	40.88	0.00033402
4498-62	NCAM1	40.87	0.00033512
14284-23	EIF2AK4	40.86	0.0003359
5981-6	None	40.85	0.00033665
4184-43	EIF4EBP2	40.83	0.00033902
3448-13	INSR	40.80	0.00034264
8760-10	DCUN1D5	40.80	0.0003429
11146-4	TBX22	40.79	0.00034438
6296-36	OIT3	40.75	0.00034896
9386-42	TTC9B	40.72	0.00035233
5677-15	C2orf66	40.72	0.00035287
6035-2	ST6GAL1	40.72	0.00035293

6357-83	CELA3B	40.71	0.00035463
11465-4	GPR135	40.70	0.00035476
2516-57	CCL21	40.70	0.0003553
6528-95	EXTL2	40.70	0.0003558
3376-49	IL17RD	40.69	0.00035591
10554-23	GLB1	40.68	0.0003582
4301-58	TK1	40.67	0.00035921
3449-58	SERPINA4	40.66	0.00036068
4880-21	GDF2	40.65	0.00036135
7194-36	NPTN	40.65	0.00036196
8699-43	CRIM1	40.64	0.00036298
2599-51	TNFSF9	40.63	0.00036343
9913-4	RRBP1	40.63	0.00036403
8306-54	PRRG1	40.61	0.00036661
11173-29	MILR1	40.59	0.00036889
3082-9	ULBP2	40.59	0.00036893
6064-4	ERP44	40.56	0.00037276
11288-26	NT5C2	40.56	0.00037285
7181-17	VAPB	40.56	0.00037323
13457-33	ELF5	40.56	0.00037346
10078-5	BAG3	40.55	0.0003741
12831-21	TESC	40.55	0.0003745
5021-13	PPA1	40.55	0.00037456
9235-3	PLXDC1	40.54	0.00037582
13942-140	SPSB1	40.54	0.00037616
13577-25	U2AF2	40.53	0.0003771
10978-39	GH2	40.52	0.00037801
8244-16	FUT8	40.51	0.00037922
7962-11	SPINK8	40.51	0.00037955
6326-20	BMP4	40.51	0.00037982
11381-56	PRPS1	40.50	0.00038036
3070-1	IL2	40.50	0.00038055
5542-22	NRP1	40.49	0.00038209
4479-14	SERPING1	40.48	0.00038377
7648-9	MYBPC1	40.46	0.00038567
8323-163	TFF3	40.46	0.00038659

6238-55	PSG8	40.44	0.00038936
6626-81	CHST12	40.42	0.00039206
9178-30	NRG1	40.41	0.00039294
4430-44	COLEC11	40.41	0.00039364
14060-67	NCF4	40.40	0.00039508
13011-20	RPS10	40.39	0.00039568
13587-10	RACGAP1	40.39	0.00039658
6556-5	ENPP5	40.38	0.00039665
2948-58	GHR	40.38	0.00039729
14067-6	PKP2	40.38	0.00039791
12811-55	ZNF415	40.34	0.00040339
10699-52	LRP1	40.33	0.00040463
8459-10	BMP6	40.32	0.00040572
13007-66	LCN10	40.30	0.00040884
12661-44	GABARAPL1	40.29	0.00040955
2182-54	C4A C4B	40.29	0.00040958
6027-31	RLN3	40.28	0.00041106
12480-9	OTUD5	40.27	0.00041343
13494-6	CERS5	40.25	0.00041578
12439-67	IRF9	40.25	0.00041622
12540-25	RHOG	40.24	0.00041771
8874-53	CLN5	40.24	0.0004178
7989-5	C1orf226	40.21	0.0004213
5900-11	HINT1	40.21	0.00042141
8462-18	GH1	40.19	0.00042393
9525-1	PTK7	40.19	0.00042444
3470-1	SELE	40.19	0.00042484
4541-49	CDON	40.19	0.00042496
2247-20	PROK1	40.18	0.0004262
3213-65	NID1	40.18	0.00042637
12781-2	TARBP2	40.16	0.00042903
2697-7	PF4	40.15	0.00043108
3421-54	TNFSF8	40.14	0.00043147
13991-47	EIF4G3	40.14	0.00043148
11633-89	AHSA1	40.12	0.00043473
3344-60	SERPINC1	40.11	0.0004358

7918-114	AMY1A	40.11	0.00043658
7897-75	DLG3	40.09	0.00043978
13572-43	PSMD11	40.08	0.00044168
4556-10	IL34	40.08	0.00044175
12580-7	PSMB5	40.05	0.00044556
8034-6	DRGX	40.05	0.00044582
14094-29	HBEGF	40.05	0.00044609
14692-3	ZNF276	40.04	0.00044787
6577-64	LAMA4	40.04	0.00044788
3280-49	ACAN	40.02	0.00045003
8250-2	PTPRJ	40.02	0.00045044
6547-83	TMPRSS11D	40.02	0.00045057
9835-16	ALDH1A3	40.01	0.00045136
6571-75	C17orf78	39.99	0.00045486
10464-6	ANTXR1	39.99	0.00045524
3132-1	VEGFC	39.98	0.00045635
2682-68	HSPD1	39.97	0.00045888
13377-3	CYB561D1	39.95	0.0004615
11647-6	FZD10	39.95	0.00046152
9896-21	FOXG1	39.94	0.00046298
9374-24	NNAT	39.92	0.0004662
9576-58	MNX1	39.91	0.00046731
3042-7	MB	39.91	0.00046807
13602-6	SNU13	39.90	0.00046967
6245-4	NECTIN2	39.89	0.00047087
2636-10	LTBR	39.89	0.00047139
3192-3	CNDP2	39.89	0.00047163
10758-2	KERA	39.88	0.00047331
11248-43	UROS	39.87	0.00047421
9531-24	LST1	39.87	0.00047507
3148-49	CXCL2	39.86	0.00047593
5242-37	MAP2K4	39.86	0.00047665
9906-21	SPOCK3	39.85	0.00047737
5643-2	LCN8	39.85	0.00047764
8268-98	HS3ST3A1	39.85	0.00047826
13612-7	CYTIP	39.85	0.00047841

3484-60	AGT	39.84	0.0004796
8396-42	FAAH2	39.83	0.00048161
10588-39	ST3GAL5	39.82	0.00048332
5637-81	NTNG1	39.81	0.00048363
11142-11	ANGPTL1	39.81	0.00048435
3630-27	CADM3	39.80	0.00048639
7852-9	MTIF3	39.78	0.00048968
13468-5	NEURL4	39.77	0.0004916
2860-19	KPNA2	39.75	0.00049461
3378-49	KLK7	39.74	0.00049577
8367-142	VSIG1	39.74	0.00049635
10560-1	ITM2C	39.74	0.00049647
8918-64	PTK2B	39.73	0.00049721
5456-59	CNDP1	39.73	0.00049738
8484-24	LEP	39.73	0.00049857
13628-58	GRB14	39.73	0.00049857
6578-29	TNMD	39.73	0.00049886
14326-4	UBE2E1	39.72	0.00049937
8762-38	CD70	38.11	0.00050042
6378-2	C5orf38	39.71	0.00050161
14036-116	MPDZ	39.70	0.0005029
12553-5	VRK1	39.70	0.00050302
12717-65	TOX3	39.69	0.00050448
9327-3	LYPD1	39.69	0.00050485
8089-173	NR4A1	39.69	0.00050556
9055-81	MYZAP	39.68	0.00050614
6151-18	MAP2K3	39.68	0.00050763
3798-71	CA9	39.67	0.00050825
9392-43	MGAT4A	39.66	0.00050954
10876-300	BRAT1	39.66	0.00050996
6404-20	C1QL1	39.65	0.0005116
6921-24	B4GALT3	39.64	0.00051373
5644-60	RNASE4	39.63	0.00051636
8470-213	RNASEH1	39.62	0.00051719
7167-102	VAPA	39.62	0.00051783
4212-5	EPS15L1	39.61	0.00051864

13950-9	CERT1	39.61	0.00051886
12859-33	ECI2	39.60	0.00052017
10672-75	SFTPBP	39.60	0.00052045
4480-59	C3	39.60	0.00052128
5798-3	BID	39.59	0.00052208
5756-66	PAPPA2	39.59	0.00052225
12357-41	SNAP29	39.59	0.00052238
9237-54	ACP2	39.59	0.0005231
2475-1	KIT	39.57	0.00052576
5364-7	SET	39.57	0.0005267
6919-3	HBZ	39.57	0.00052675
6450-8	FABP6	39.56	0.00052785
2696-87	PSPN	39.56	0.0005287
10675-223	TMX2	39.55	0.00052934
5612-16	HINT2	39.55	0.00052935
5493-17	WNK3	39.54	0.00053155
6257-56	CGREF1	39.54	0.0005322
5755-29	GIP	39.54	0.00053271
6611-8	POGLUT2	39.53	0.00053396
6350-43	APOC2	39.53	0.00053428
4145-58	NTF3	39.52	0.00053485
8071-114	PCDHB7	39.52	0.00053574
6584-1	HRC	39.52	0.00053623
9233-71	TFPI2	39.52	0.00053647
9123-18	CBARP	39.51	0.00053714
12691-44	SHMT2	39.51	0.00053839
10490-3	RPN1	39.50	0.00053885
4986-59	PTK2	39.49	0.00054035
8924-55	CALY	39.49	0.00054081
2900-53	CCL14	39.49	0.00054089
5918-5	PSME1	39.48	0.00054235
10900-272	STMN2	39.48	0.00054257
4909-68	LGALS8	39.48	0.00054342
9561-21	VCAN	39.48	0.0005437
10058-1	RAD23A	39.47	0.00054477
14674-63	PACSIN3	39.47	0.00054508

2828-82	SPINT1	39.47	0.0005454
6545-58	PRNP	39.46	0.0005475
12398-15	PAX4	39.46	0.00054759
9378-6	FIBCD1	39.45	0.00054789
10623-19	MUC1	39.45	0.00054887
12786-61	GPCPD1	39.45	0.00054949
10825-12	VSIG10	39.45	0.00054967
8366-19	C1orf115	39.44	0.0005504
10527-22	DHX9	39.43	0.0005519
2658-27	NTRK3	39.42	0.00055526
3827-22	PAK6	39.41	0.00055688
12832-10	ASH2L	39.40	0.00055735
5682-13	VASN	39.40	0.00055774
3487-32	CXCL13	39.40	0.00055883
8749-194	CD1D	39.39	0.00055958
2819-23	CDH5	39.39	0.00055978
7128-9	VWA2	39.38	0.00056252
4203-50	CFL1	39.38	0.00056257
11681-8	AGFG1	39.38	0.00056272
8369-102	DAG1	39.36	0.00056596
5359-65	PIM1	39.36	0.00056668
13526-5	SSB	39.35	0.00056861
7808-5	GLCE	39.35	0.00056862
14074-2	SHC2	39.34	0.00056958
12815-9	IARS1	39.33	0.00057195
7011-8	KCNIP4	39.32	0.00057362
11556-19	ARFGAP1	39.31	0.00057576
3503-4	ITGA1 ITGB1	39.30	0.00057735
13610-9	MAGEA10	39.30	0.0005782
12460-18	PSMA7	39.29	0.00057939
9834-62	ADH1B	39.29	0.00057956
6379-62	ADAMTSL2	39.29	0.00058005
14151-4	ISG15	39.29	0.00058017
12046-51	TARDBP	39.29	0.00058023
12662-82	ECH1	39.29	0.00058091
3199-54	KLK12	39.28	0.00058152

9863-1	TPM4	39.28	0.00058235
13491-40	PDE6D	39.27	0.00058364
11454-87	EIF3G	39.26	0.00058583
9060-27	IGSF9B	39.26	0.00058655
8242-9	CLEC2L	39.25	0.00058707
2192-63	CCL27	39.25	0.0005881
12785-49	ZBTB33	39.25	0.00058859
9061-3	ARHGEF10	39.25	0.00058887
12507-16	ITPKC	39.24	0.00059027
13124-20	ISLR2	39.24	0.00059029
7894-155	FGF3	39.24	0.00059083
9594-30	SLC30A5	39.23	0.00059118
4990-87	GP1BA	39.23	0.0005918
3495-15	CXCL6	39.23	0.0005918
5909-51	NME1	39.23	0.00059208
5346-24	CPNE1	39.23	0.00059301
13525-17	KCNG4	39.22	0.00059331
14107-1	MTHFS	39.22	0.00059384
5360-9	AKT2	39.21	0.00059613
8104-21	IL10RA	39.21	0.00059621
11363-58	AQP4	39.21	0.00059646
9216-100	PLXNB2	39.20	0.00059771
10705-14	ST6GALNAC3	39.20	0.00059821
12775-6	HMGB3	39.20	0.00059849
9287-6	SPR	39.18	0.00060202
4982-54	PI3	39.18	0.00060246
9916-146	LRRC4B	39.18	0.00060262
9805-51	SEMA4B	39.17	0.00060407
6372-7	YBX2	39.17	0.00060471
12646-2	RPE	39.17	0.00060515
11370-20	INPP5E	39.16	0.00060692
10364-6	SMAD2	39.15	0.00060765
5224-20	CSNK2A1	39.15	0.00060948
13568-30	PSMD4	39.14	0.0006098
9751-72	YBX1	39.14	0.00061011
11442-1	DNER	39.14	0.00061053

9997-12	UBXN4	39.13	0.00061274
4126-22	BPI	39.13	0.00061279
8273-84	IL31RA	39.11	0.00061761
9545-156	GZMK	39.11	0.00061777
2796-62	FGA FGB FGG	39.10	0.00061932
3379-29	PRKCI	39.10	0.00061967
8446-4	ADCYAP1	39.09	0.00062062
5033-27	TPM1	39.09	0.00062064
7144-234	KAZALD1	39.08	0.00062287
7186-111	STX3	39.08	0.00062337
10933-107	CALN1	39.08	0.00062379
13545-97	EIF1AD	39.07	0.00062577
12417-46	TPRKB	39.06	0.00062725
12939-1	POLR1C	39.06	0.0006281
12546-1	SMTN	39.05	0.00062911
3489-9	CNTF	39.05	0.0006304
13998-26	ADSS1	39.04	0.00063142
3348-49	BMP1	39.04	0.00063156
9964-10	MYZAP	39.04	0.0006326
13374-4	DEFB113	39.04	0.00063306
13744-37	IL3RA	39.03	0.00063342
6049-64	PTPRS	39.03	0.00063378
12686-15	MPST	39.03	0.0006346
13095-51	REG1A	39.03	0.00063535
3473-78	MPL	39.02	0.00063591
9345-436	WFDC13	39.02	0.00063612
11186-12	TMEM52	39.02	0.00063649
3326-58	CADM1	39.00	0.00064028
10430-31	SLC3A2	39.00	0.00064119
4132-27	FST	39.00	0.0006414
7224-11	TRAT1	38.99	0.00064373
3298-52	CNTN4	38.98	0.00064552
9524-46	SPATA31D4	38.98	0.00064593
9202-309	ATP5PO	38.97	0.00064769
10035-6	DUSP4	38.97	0.00064798
5691-2	CRISPLD2	38.96	0.00064933

4917-62	ITGAV ITGB5	38.96	0.00064997
5602-62	RNASE10	38.96	0.00065075
9176-3	MUC1	38.95	0.00065176
8758-2	PCDHA7	38.95	0.00065274
6923-1	PLOD2	38.95	0.00065276
4332-6	CLEC1B	38.94	0.00065316
11247-20	NAGS	38.94	0.00065369
14146-92	H3C1	38.94	0.00065454
6077-63	ADA2	38.94	0.00065501
9607-39	PRR27	38.93	0.00065565
12603-87	PABPC4	38.93	0.00065693
12708-91	L3MBTL2	38.93	0.00065738
9173-21	PGM1	38.93	0.00065759
8696-15	GAL3ST1	38.92	0.00065806
8794-13	DPEP1	38.92	0.00065897
8258-22	UXS1	38.92	0.00065927
11219-95	FGFBP3	38.92	0.0006594
5069-9	CD55	38.91	0.00066014
2695-25	PECAM1	38.91	0.00066045
12790-10	CCDC51	38.91	0.00066065
13969-24	KPNA6	38.91	0.00066081
9294-45	MFAP2	38.91	0.00066167
4158-54	PLAU	38.90	0.00066254
12641-3	INPP5B	38.90	0.00066303
8320-5	SLTM	38.90	0.00066389
4250-23	NSFL1C	38.90	0.00066418
14011-17	S100A11	38.90	0.00066431
13636-20	NAP1L1	38.89	0.00066487
11659-31	CLINT1	38.89	0.0006654
5736-1	TREML2	38.89	0.00066556
4564-2	PLXNC1	38.89	0.00066601
2770-51	CCL1	38.88	0.00066678
4476-22	ZAP70	38.88	0.00066859
2765-4	GDF11 MSTN	38.87	0.00066903
8750-46	VCL	38.86	0.00067154
5758-49	KLK9	38.86	0.00067317

5605-77	MFNG	38.86	0.00067328
12742-160	TMEM8B	38.85	0.00067578
11207-3	MSR1	38.84	0.00067698
10562-42	NETO2	38.84	0.00067722
7809-22	SPATA9	38.84	0.00067746
12499-108	SH3GL2	38.84	0.00067776
9070-1	C17orf67	38.83	0.00067835
9793-145	IGDCC4	38.83	0.00067884
5739-75	KRTDAP	38.83	0.00067951
4907-56	FGA FGB FGG	38.82	0.00068175
9360-33	EDIL3	38.81	0.00068332
9282-12	CRISP2	38.81	0.00068518
2783-18	CCL3L1	38.81	0.00068527
12341-8	DUSP6	38.80	0.00068613
10772-21	CSGALNACT2	38.80	0.00068618
6398-12	LONP1	38.80	0.00068649
3522-57	VIP	38.79	0.00068778
11490-42	UBL4A	38.79	0.0006878
11161-5	SPART	38.79	0.00068818
5727-35	B3GLCT	38.79	0.00068858
10882-12	DSC1	38.79	0.00068892
4559-64	KYNU	38.79	0.0006894
13524-25	HS6ST2	38.79	0.00068957
7048-4	CEACAM19	38.79	0.00068978
7163-26	LACRT	38.78	0.00069088
5451-1	ALCAM	38.78	0.00069111
3799-11	CA3	38.78	0.00069124
9936-27	LNX1	38.78	0.00069218
11458-30	PCBP1	38.77	0.00069257
4389-2	DHH	38.77	0.00069262
4989-7	FGG	38.77	0.00069269
2607-54	CRLF1 CLCF1	38.77	0.00069298
2611-72	TYRO3	38.77	0.00069351
10781-19	CLEC4G	38.76	0.00069497
12358-6	IGBP1	38.76	0.0006969
14747-9	CRLF1	38.76	0.00069706

7234-12	COLGALT2	38.75	0.00069757
5091-28	LILRB2	38.75	0.00069805
5070-76	TNFRSF6B	38.75	0.00069876
10940-25	SRL	38.75	0.00069904
7983-1	PCDHGC5	38.75	0.00069951
10454-99	DNAJC16	38.74	0.00069985
9445-44	C19orf18	38.74	0.00070033
10600-24	CLGN	38.74	0.00070039
13959-7	LAP3	38.74	0.00070102
7950-142	BTNL9	38.73	0.00070194
9764-79	HNRNPF	38.73	0.00070286
13621-31	AP2A2	38.73	0.00070431
5947-90	THPO	38.72	0.0007045
6371-50	ANGPTL7	38.72	0.00070464
7065-1	MPIG6B	38.71	0.00070757
14205-6	HEXIM2	38.71	0.00070759
9049-2	SLC16A3	38.71	0.00070868
9416-77	CPM	38.70	0.00070924
11421-10	EHD4	38.70	0.00070974
8807-13	SNX1	38.70	0.00070979
9762-14	VASP	38.70	0.00071063
7741-111	RTF1	38.70	0.00071115
7199-3	SYN3	38.69	0.00071224
3488-64	CAT	38.69	0.00071347
11262-39	TRABD	38.69	0.00071356
7105-7	CABLES2	38.68	0.00071414
6518-85	GHRL	38.68	0.00071437
3844-2	PPIA	38.68	0.00071443
4915-64	HBA1 HBB	38.68	0.00071515
2443-10	FGF8	38.68	0.00071522
11098-1	PDXK	38.68	0.0007154
7789-182	PRDX4	38.68	0.00071611
3554-24	ADIPOQ	38.67	0.00071697
9819-110	MCL1	38.67	0.00071762
11391-69	MVK	38.67	0.00071784
3151-6	IL2RA	38.67	0.00071806

13078-3	CETN2	38.67	0.00071856
4217-49	HSD17B10	38.66	0.00071939
4993-16	GSTA3	38.66	0.00071962
9244-27	PPT1	38.66	0.00072078
9513-9	FGF22	38.66	0.00072096
5649-83	PSG4	38.65	0.00072192
10042-8	SGK3	38.65	0.00072207
12864-9	NIPAL4	38.65	0.00072234
5489-18	STIP1	38.64	0.00072412
11358-15	GRB10	38.64	0.00072492
9875-107	THOC1	38.64	0.00072494
3194-36	GP6	38.64	0.00072558
9728-4	CCNB1IP1	38.64	0.00072583
7815-49	IGFBPL1	38.64	0.00072597
8347-222	DEFB129	38.63	0.00072831
6373-54	DLK1	38.63	0.00072887
11838-130	PIEZO1	38.63	0.00072888
9482-110	NUDT9	38.62	0.00072893
6020-52	UTS2	38.61	0.00073166
8597-1	TMEM9	38.61	0.0007324
10342-55	PIAS4	38.61	0.00073257
8340-9	DEFB110	38.61	0.00073261
5467-15	HSP90AB1	38.61	0.00073308
13726-4	CD80	38.61	0.0007337
12459-13	PLEKHA1	38.61	0.00073377
5272-55	SHC1	38.60	0.00073435
3418-12	CAMK1D	38.60	0.00073602
12803-9	ZNF329	38.59	0.00073763
4282-3	RAN	38.59	0.00073769
10955-4	CLEC10A	38.59	0.00073867
11211-7	TBCE	38.59	0.0007388
10580-14	SFTA2	38.59	0.00073895
3045-72	PTN	38.58	0.00073912
5462-62	FCN3	38.58	0.00074076
9880-33	TDO2	38.58	0.00074093
9715-15	IGSF3	38.58	0.00074107

6060-2	PIP	38.58	0.00074133
10367-62	IL12A IL12B	38.58	0.00074137
5757-45	GNAS	38.57	0.00074159
5227-60	PDK1	38.56	0.00074415
6951-26	ASIC4	38.56	0.0007449
12396-19	HIBCH	38.56	0.00074527
3806-55	EPHA5	38.56	0.00074598
8974-172	COL15A1	38.56	0.00074644
9838-4	SMAD1	38.55	0.00074901
3738-54	CSF1	38.54	0.00074946
5133-17	TGFBR2	38.54	0.00074955
11546-7	CYGB	38.54	0.00075033
8345-27	GPX7	38.53	0.00075198
13475-10	UBE2D4	38.53	0.00075416
7085-81	CDSN	38.52	0.00075512
5723-4	INSL3	38.52	0.0007552
3452-17	LCK	38.52	0.00075664
8899-75	UGT1A8	38.51	0.00075857
8786-6	FAM171B	38.51	0.00075892
5484-63	RPS3A	38.50	0.00076025
8982-65	THBS3	38.50	0.00076156
6604-59	NDNF	38.50	0.00076191
6998-106	ASPH	38.49	0.00076251
2723-9	IL37	38.49	0.00076313
12367-52	MACO1	38.49	0.0007633
5225-50	CSNK2A1 CSNK2B	38.49	0.00076352
5440-26	TNNI2	38.48	0.00076523
4436-1	ENTPD3	38.48	0.00076549
5254-69	PDE3A	38.47	0.00076933
2708-54	TNFSF18	38.47	0.00076934
9025-5	AHSP	38.47	0.00076977
12669-30	HECW1	38.46	0.00077069
13944-3	SULT1A3	38.46	0.00077098
9844-138	ACTN2	38.45	0.00077322
12689-56	ARPC1B	38.45	0.00077332
6081-52	PCOLCE2	38.45	0.00077472

10506-53	PGRMC2	38.44	0.0007755
4140-3	IL7	38.44	0.00077702
11664-32	ARFGAP2	38.44	0.00077702
6392-7	CCN5	38.43	0.00077848
8386-11	PATE1	38.43	0.00077879
13948-50	GABBR2	38.43	0.00078028
4563-61	PLCG1	38.43	0.00078041
8107-12	TMEM234	38.42	0.0007814
3432-21	EPHA3	38.42	0.00078229
11449-22	CAPZA1	38.42	0.00078235
8976-13	B4GALNT1	38.42	0.00078248
9523-34	ITM2C	38.42	0.00078249
6913-189	HMGB2	38.42	0.00078319
6467-65	POGLUT1	38.41	0.00078337
14091-42	CBR3	38.41	0.00078425
3821-28	MAPKAPK5	38.41	0.00078542
14197-2	PRDM1	38.41	0.00078568
4978-54	DBNL	38.40	0.00078715
14645-253	GSTA4	38.39	0.00078916
4272-46	GPI	38.39	0.00078961
7713-102	FMR1	38.39	0.00078985
12861-13	TMOD3	38.39	0.00079009
2666-53	DCN	38.39	0.00079022
2937-10	APOE	38.39	0.00079046
11130-158	CACNB4	38.39	0.0007911
12450-42	PMVK	38.39	0.00079119
3445-53	IL15RA	38.38	0.00079271
11696-7	CRABP2	38.38	0.00079274
9877-28	CRKL	38.38	0.00079301
8236-8	C18orf32	38.37	0.00079404
8832-55	BST2	38.37	0.00079445
4440-15	FCRL3	38.37	0.00079536
3796-79	ANGPTL4	38.37	0.00079564
2849-49	AIF1	38.37	0.00079619
9923-6	SOS1	38.37	0.00079628
11537-12	TFR2	38.36	0.00079747

12794-6	NLRP4	38.36	0.00079806
7100-31	CD2	38.36	0.00079827
4261-55	PON1	38.36	0.00079829
8866-53	QPCTL	38.36	0.00079909
12665-16	ILF2	38.36	0.00079929
11227-31	TBL2	38.36	0.00079936
9970-7	UBXN4	38.35	0.00079995
10817-26	TOMM20L	38.35	0.0008001
14227-21	MYL6B	38.35	0.00080041
3049-61	PRSS1	38.35	0.00080115
10372-18	STAT6	38.35	0.00080142
6440-31	MFAP5	38.34	0.00080252
13614-6	CREBBP	38.34	0.00080262
12338-27	EGFLAM	38.34	0.00080294
3505-6	LTA LTB	38.34	0.00080318
9971-5	CSMD2	38.34	0.00080335
5002-76	MMP14	38.34	0.00080336
3852-19	DNAJB1	38.34	0.0008034
12482-5	BPTF	38.34	0.00080436
12986-12	LIN7C	38.34	0.00080492
6430-36	TAFA2	38.33	0.00080504
3535-84	DKK1.00	38.33	0.00080684
5089-11	IL7R	38.33	0.00080709
3024-18	SERPINF2	38.33	0.00080728
13022-20	TP53I11	38.32	0.0008077
3839-60	AIP	38.32	0.00080836
3299-29	CNTN5	38.32	0.00080884
9577-26	SYT2	38.31	0.00081064
8307-47	C11orf68	38.31	0.00081079
12350-86	ETS2	38.31	0.0008108
11303-7	SAMHD1	38.31	0.00081121
5248-68	PPIF	38.31	0.00081142
5650-9	PDIA6	38.31	0.00081206
12658-72	PANK3	38.31	0.00081209
9907-216	TNKS	38.31	0.00081262
11590-5	RBM23	38.30	0.00081354

12426-19	MOB1A	38.30	0.00081459
12469-19	MAPRE1	38.30	0.00081509
5082-51	IL1RAPL2	38.30	0.0008156
11307-33	WWP1	38.29	0.00081634
2816-50	BCAM	38.29	0.00081636
8909-77	GNPDA1	38.29	0.00081694
13268-45	WNT5A	38.29	0.00081716
13597-20	RAB31	38.29	0.00081811
11510-31	APOL1	38.29	0.00081833
8945-7	ABRAXAS2	38.28	0.00081896
10615-18	MPZ	38.28	0.00081938
13405-61	SPINK2	38.28	0.00081953
13672-3	HSPA6	38.28	0.00081972
8916-32	STIM1	38.28	0.00082059
2579-17	MMP9	38.28	0.00082102
5638-23	COLGALT1	38.28	0.00082106
8686-342	HIKESHI	38.28	0.0008211
2617-56	ERBB3	38.27	0.00082186
11538-216	MLYCD	38.27	0.00082279
9831-12	G3BP2	38.27	0.00082327
13926-1	RMI1	38.27	0.00082341
7788-1	ATP5PF	38.27	0.00082393
3730-81	TNFRSF4	38.27	0.00082414
6352-8	INSRR	38.27	0.00082424
6399-52	DEFB107A	38.26	0.00082479
2640-3	MST1R	38.26	0.00082658
2474-54	APCS	38.25	0.00082736
2212-69	PLAT	38.25	0.00082766
8403-18	FASN	38.25	0.00082826
5688-65	CBLN4	38.25	0.00082874
9952-57	TFAM	38.25	0.00082909
9786-310	IER3	38.25	0.00082938
14271-23	RAB6B	38.25	0.00082988
6247-9	SIRPB1	38.24	0.00083199
2418-55	APOE	38.22	0.00083804
10605-22	APMAP	38.22	0.00083841

12562-1	PKN1	38.21	0.00083868
13743-56	CUL4B	38.21	0.00083869
11286-78	SELENOS	38.21	0.00083925
13544-9	ARHGAP45	38.21	0.00084008
3461-58	BCAN	38.21	0.00084013
8900-28	NEO1	38.20	0.00084277
12746-4	CYTH4	38.19	0.00084467
5634-39	POFUT1	38.19	0.0008448
5936-53	TNF	38.19	0.00084504
6609-22	CNP	38.19	0.00084618
12348-46	SARS2	38.19	0.00084628
8378-3	LDOC1	38.19	0.00084693
10041-3	HNF4A	38.19	0.00084707
6990-44	SDF2L1	38.18	0.00084775
10910-6	CEACAM4	38.18	0.00084985
9197-4	LGALS9	38.17	0.00085065
14153-8	EFNA3	38.17	0.00085082
7193-98	PCDHAC1	38.17	0.00085106
7755-37	ITGB5	38.17	0.00085127
5651-50	PSG7	38.17	0.00085133
10453-7	CEACAM20	38.16	0.00085313
9090-9	SYTL4	38.16	0.00085354
2938-55	APOE	38.16	0.00085356
3825-18	MAPK8	38.16	0.0008542
11407-57	PLSCR3	38.16	0.00085489
5363-51	SEMA3E	38.16	0.0008549
4224-7	SYNCRIP	38.15	0.00085624
12475-48	CLIC5	38.15	0.00085642
13474-40	GSTK1	38.15	0.00085758
9229-9	CTRL	38.15	0.00085816
8800-14	TTC17	38.15	0.00085825
9051-13	IL32	38.15	0.00085868
2278-61	TIMP2	38.14	0.00085901
2585-2	PRL	38.14	0.00085963
13658-31	PDGFC	38.14	0.00086017
5238-26	PPIE	38.14	0.00086094

8024-64	TPST2	38.13	0.0008618
7197-2	DNAJC15	38.13	0.00086188
10713-151	CD300LB	38.13	0.00086289
11302-237	TNR	38.13	0.00086346
7113-1	GRPEL1	38.13	0.00086411
7766-25	ZP4	38.13	0.00086448
13719-19	PAK4	38.12	0.00086491
13933-276	NAB1	38.12	0.00086527
11456-2	MAGEB10	38.12	0.0008655
10045-47	CUL3	38.12	0.00086576
7890-68	DPP10	38.12	0.00086586
11338-49	BLK	38.11	0.00086893
12697-30	PIP4K2A	38.11	0.00086931
3623-84	LY86	38.11	0.00087038
14093-10	FLT3LG	38.10	0.00087263
7866-11	DNAJC30	38.10	0.00087264
9979-13	AMIGO1	38.09	0.00087439
9223-11	MANF	38.09	0.00087515
5870-23	BAD	38.09	0.00087519
7838-27	SMR3A	38.09	0.00087545
7867-154	ST6GALNAC1	38.09	0.00087576
8358-30	PRDX3	38.09	0.0008761
4842-62	GPC3	38.09	0.00087613
5183-53	PRKAA1 PRKAB1 PRKAC	38.08	0.00087784
11476-43	VPS4A	38.08	0.0008779
13652-2	TOM1L1	38.08	0.00087816
13673-21	CCT7	38.08	0.00087854
12851-5	POLM	38.08	0.00087879
12795-2	ZNF566	38.07	0.00088
10064-12	RBBP9	38.06	0.00088266
3030-3	CLEC4M	38.06	0.00088329
11536-9	MYSM1	38.06	0.00088355
4284-18	RBM39	38.06	0.00088461
5858-6	YWHAZ	38.06	0.00088491
5256-86	PDE5A	38.05	0.00088571
13595-20	THTPA	38.05	0.00088573

9251-28	MAN2B2	38.05	0.00088627
12724-81	CIRBP	38.05	0.00088658
8959-61	ADAM17	38.05	0.00088707
10847-1	SIGLEC15	38.05	0.00088766
9296-15	PTPRD	38.04	0.00088881
12659-13	OLA1	38.04	0.00088985
7257-18	PTH2	38.04	0.0008899
5475-10	PRKCB	38.04	0.00089006
6940-18	JPH1	38.04	0.00089082
7743-5	TIMM50	38.04	0.00089104
8255-34	IRAG1	38.04	0.00089132
9050-170	RSRP1	38.04	0.00089147
2843-13	SPINT2	38.03	0.00089167
5275-28	VAV1	38.03	0.00089172
12699-28	CCT8	38.03	0.00089339
4271-75	PFDN5	38.03	0.00089414
5464-52	GRB2	38.02	0.00089489
11378-37	SYK	38.02	0.00089495
7905-30	HP	38.02	0.00089547
2870-29	RAC1	38.02	0.00089678
12853-112	TMOD2	38.02	0.00089693
11457-53	GALE	38.02	0.00089745
11816-84	JAK2	38.01	0.00089779
14685-17	AKT2	38.01	0.00089842
11683-19	GGA3	38.01	0.00089873
13109-82	NEGR1	38.01	0.00089881
3583-54	ARSA	38.01	0.00089961
10447-18	PABPC3	38.01	0.00089967
11273-176	GSTT2B	38.01	0.00089999
6480-1	CANT1	38.01	0.00090062
11371-1	GPR101	38.00	0.00090112
7871-16	TMEM132A	38.00	0.0009026
11587-5	MGA	38.00	0.00090288
12569-25	CCT5	38.00	0.000903
5035-7	TYMS	38.00	0.00090301
10056-5	FOXM1	38.00	0.00090314

11118-107	RAB17	38.00	0.00090318
4232-19	IGF1R	38.00	0.00090339
6904-14	LRRTM2	38.00	0.00090356
14028-22	PIK3C2A	37.99	0.00090415
3831-21	PTEN	37.99	0.00090451
10044-12	WNT10A	37.99	0.00090612
8263-64	TYMSOS	37.99	0.00090634
7824-88	MSRB3	37.98	0.0009073
12527-50	THRA	37.98	0.00090797
7049-2	ADAM23	37.98	0.00090943
12788-6	SGF29	37.98	0.0009096
9000-177	SLC3A1	37.97	0.00091137
5457-5	COLEC12	37.97	0.00091182
7732-45	VAMP4	37.97	0.00091185
6478-2	IGLON5	37.97	0.00091288
10346-5	STAT3	37.96	0.00091451
14083-25	SEPHS1	37.96	0.00091464
12706-2	CDC42BPA	37.96	0.00091466
8999-19	CEACAM3	37.96	0.00091507
9898-161	ARID1A	37.96	0.0009157
5487-7	SLAMF7	37.96	0.00091614
12880-1	SV2A	37.95	0.00091631
7778-104	CARD19	37.95	0.00091687
13958-5	RBM46	37.95	0.000917
6495-14	EDN1	37.95	0.00091748
6284-7	ALKAL2	37.95	0.00091932
10974-20	SPINK7	37.94	0.00091971
8220-15	FAM241B	37.94	0.00091972
6496-60	DLK1	37.94	0.00091978
12476-50	TIGAR	37.94	0.00092025
2826-53	EDA	37.94	0.00092035
3210-1	METAP1	37.94	0.0009206
12869-68	DDX6	37.93	0.00092284
8380-244	DLK1	37.93	0.00092327
9459-7	FAS	37.93	0.00092333
12835-101	PYDC1	37.93	0.00092451

12768-3	PPP1R3B	37.92	0.00092611
2846-24	RPS27A	37.92	0.00092649
2925-9	SERPINE1	37.92	0.00092661
9867-23	FBP2	37.92	0.00092708
8907-11	UGT2A1	37.92	0.00092721
14156-33	YWHAB	37.92	0.00092814
7926-13	SPINT3	37.92	0.00092832
13681-173	CSNK2A2	37.91	0.00093036
6413-79	LIPK	37.91	0.0009308
9790-28	BRSK2	37.91	0.00093161
12494-99	GABARAPL2	37.90	0.0009327
5762-35	SPAG11B	37.90	0.00093312
8321-27	ZNF843	37.90	0.00093312
5111-15	NRXN3	37.90	0.00093316
3067-67	GDF9	37.90	0.00093347
12591-27	OPHN1	37.90	0.00093427
7745-3	CISD1	37.90	0.00093473
3607-71	DKK3.00	37.89	0.0009362
13665-35	PPP2R3A	37.89	0.00093644
11643-73	DTX3L	37.89	0.00093653
12867-40	DYNLT3	37.89	0.00093655
12535-2	XRCC1	37.89	0.0009376
8036-75	FSHB	37.89	0.00093814
11634-32	RGS10	37.89	0.00093815
5196-7	NMT1	37.88	0.0009385
14655-1	DNAJC17	37.88	0.00093889
5483-1	RGMA	37.88	0.00093902
12774-12	HCN1	37.88	0.00093957
3358-51	CDK5 CDK5R1	37.88	0.0009403
8450-36	ADCYAP1	37.88	0.00094076
8383-20	None	37.87	0.00094269
14675-20	EIF4B	37.87	0.00094369
11592-1	ELAVL1	37.87	0.00094391
12656-1	KLC1	37.87	0.00094423
9329-28	TREML1	37.86	0.00094567
12801-33	IRF2	37.86	0.00094607

13946-8	DDX23	37.86	0.00094624
2831-29	KLK11	37.86	0.00094731
11438-6	DNAJB2	37.86	0.00094732
8963-8	VTI1B	37.86	0.00094758
2333-72	TGFB1	37.85	0.00094796
10714-7	ACE	37.85	0.00094821
11190-129	YME1L1	37.85	0.00094831
10561-5	PGLYRP3	37.85	0.00095106
5675-6	TNC	37.84	0.00095128
6119-14	MAMDC2	37.84	0.00095137
2944-66	NBL1	37.84	0.00095221
12956-40	KIFBP	37.84	0.00095262
2612-5	EIF5	37.84	0.00095397
12517-52	PDCD5	37.83	0.00095514
13594-158	GGA1	37.83	0.00095526
8990-42	ATP1B3	37.83	0.00095535
3897-61	PDXP	37.83	0.0009558
12466-7	HNRNPA1	37.83	0.00095624
6256-9	LY6G6C	37.83	0.00095635
4970-55	CA2	37.83	0.00095665
3903-49	SNX4	37.83	0.00095685
7215-18	CYB5R3	37.83	0.0009571
3817-18	PRKCQ	37.83	0.00095753
11428-31	PDLIM1	37.82	0.00095799
14245-195	SNX7	37.82	0.00095815
6442-6	BAGE3	37.82	0.00095828
6448-36	SEMA3C	37.82	0.00095978
9126-171	NT5DC3	37.82	0.00095992
11649-3	SMAP1	37.82	0.0009602
5734-13	NECTIN4	37.81	0.00096092
10589-7	RAET1L	37.81	0.00096178
2480-58	TIMP3	37.81	0.00096265
12796-44	NUDT3	37.81	0.00096296
5245-40	PRKAA2 PRKAB2 PRKAC	37.81	0.00096317
8069-85	CD3E	37.81	0.00096383
7857-22	NTS	37.80	0.00096416

10361-25	OAS1	37.80	0.00096416
13654-1	ROCK2	37.80	0.00096443
2580-83	MPO	37.80	0.00096497
8285-64	ADCYAP1	37.80	0.00096548
4588-1	PPY	37.80	0.00096549
10552-88	KLRC4	37.80	0.00096646
12018-84	TPK1	37.80	0.00096647
13632-10	ZYX	37.80	0.00096738
11094-104	CLC	37.79	0.0009675
9541-15	B3GALT1	37.79	0.00096795
8887-21	NUDC	37.79	0.0009684
10647-18	ASCC1	37.79	0.00096863
10956-82	GCSH	37.79	0.00096932
10075-75	ACBD6	37.79	0.00097025
9735-44	CD96	37.78	0.00097202
9769-48	DNER	37.78	0.00097284
9040-144	EPDR1	37.78	0.00097284
8908-14	KCNE5	37.78	0.00097288
6572-10	LRRTM4	37.78	0.00097301
12664-19	PTPN13	37.78	0.0009734
9366-54	IL21R	37.78	0.00097382
8818-13	IFNGR2	37.77	0.00097412
8960-3	ERAP2	37.77	0.00097502
9226-6	TMUB2	37.77	0.00097597
6531-29	FAM162A	37.77	0.00097604
7185-29	GP5	37.77	0.00097664
4209-60	VTA1	37.77	0.00097667
3050-7	VWF	37.76	0.00097735
9843-5	ACTN1	37.76	0.00097741
9846-32	ARHGDIB	37.76	0.00097784
9317-4	LRRC25	37.76	0.00097841
6285-71	MLEC	37.76	0.00097861
8480-29	EFEMP1	37.75	0.00098095
2644-11	PRKCA	37.75	0.00098113
11347-9	TALDO1	37.75	0.00098137
7752-31	CLEC4D	37.75	0.00098216

12400-25	UBE2T	37.75	0.00098259
2871-73	RAD51	37.75	0.00098315
4900-8	C3	37.75	0.00098367
11566-48	KRT72	37.74	0.00098421
9738-7	FAF2	37.74	0.00098424
7210-25	APLP1	37.74	0.00098529
7835-2	BNIP3L	37.74	0.00098544
9840-2	CDC42	37.74	0.00098621
3032-11	CGA FSHB	37.74	0.00098636
6411-58	DEFB135	37.74	0.00098641
10558-26	PCDH9	37.74	0.00098684
2763-66	FGF20	37.73	0.00098735
5315-22	TNNT2	37.73	0.00098773
13631-1	RBBP5	37.73	0.00098775
5132-71	IL27RA	37.73	0.00098848
4292-5	NAPA	37.73	0.00098853
12820-1	GRAP	37.73	0.00098868
11608-5	MAP1LC3B	37.73	0.00098884
11163-7	FAM162B	37.73	0.00098979
7131-207	TNC	37.73	0.0009899
12434-25	IST1	37.73	0.00098995
3891-56	MBD4	37.73	0.00099037
13044-5	TSG101	37.73	0.00099061
4230-1	EIF4G2	37.72	0.00099083
9856-22	DHPS	37.72	0.00099123
11239-49	TMPRSS6	37.72	0.00099213
10908-2	GALNT13	37.72	0.00099345
3593-72	CASP3	37.72	0.00099373
12954-71	PPARA	37.72	0.00099379
11364-18	MFN1	37.72	0.000994
4568-17	SLITRK5	37.71	0.00099465
12812-25	ACYP2	37.71	0.00099466
9893-27	OAZ1	37.71	0.0009951
10907-116	NTM	37.71	0.00099537
12647-52	SETD2	37.71	0.00099588
6221-1	ADPGK	37.71	0.00099628

10803-22	HSPA1A	37.70	0.00099762
13644-30	HGS	37.70	0.00099781
5030-52	SIRT2	37.70	0.00099964
12690-33	SEPTIN10	37.70	0.00099995
12573-80	TRIM3	37.70	0.00100008
5735-54	C1GALT1C1	37.70	0.00100028
12793-4	PIWIL1	37.70	0.00100067
4407-10	MST1	37.69	0.0010012
5534-49	TNFRSF10B	37.69	0.00100148
13583-19	APAF1	37.69	0.00100152
4249-64	NME2	37.68	0.00100436
8520-8	ADAM30	37.68	0.00100451
10053-5	ILK	37.68	0.00100453
13490-1	MPP6	37.68	0.00100488
10816-150	PILRA	37.68	0.0010051
3587-53	BMP10	37.68	0.00100523
10550-37	BMPR1B	37.67	0.00100759
8888-33	SMIM9	37.67	0.00100837
8005-1	MXRA7	37.67	0.00100964
6351-55	CD79B	37.67	0.00100993
5392-73	FAS	37.67	0.00101016
3296-92	CNTN2	37.67	0.00101022
4220-39	FER	37.67	0.00101044
13073-14	ANP32A	37.67	0.00101044
7187-3	PPM1L	37.66	0.00101151
9322-15	RCN1	37.66	0.00101159
12395-86	DARS2	37.66	0.00101221
13622-16	PPP2R5A	37.66	0.00101303
9256-78	NPTX1	37.66	0.00101352
10800-15	SERPINH1	37.66	0.00101362
9865-40	UBE2B	37.66	0.00101364
11120-49	NAT14	37.65	0.00101449
13618-15	MAD1L1	37.65	0.0010145
7842-52	SERF1A	37.65	0.00101581
3887-90	KPNB1	37.65	0.00101632
11067-13	BGLAP	37.65	0.00101665

12720-71	UBQLN4	37.65	0.00101676
12855-16	CASS4	37.65	0.00101732
3435-53	FN1	37.65	0.00101761
5690-49	TUFT1	37.65	0.00101766
12617-2	STK24	37.65	0.00101787
12558-3	UBASH3B	37.64	0.00101817
13041-47	TRAF4	37.64	0.00101912
3387-1	PAK3	37.64	0.00101921
7748-11	NDUFV2	37.64	0.00101923
2889-37	CTF1	37.64	0.00101954
2625-53	HSP90AA1	37.64	0.00102046
9087-8	NHLRC3	37.63	0.00102205
13932-45	ARHGEF7	37.63	0.00102244
5689-1	DEFB112	37.63	0.00102249
5231-79	PCSK9	37.63	0.0010228
7947-19	TEPSIN	37.63	0.00102321
12572-236	EFS	37.63	0.00102344
8633-18	RNF128	37.63	0.00102384
7754-11	JAG1	37.63	0.00102386
10370-21	STAT1	37.63	0.00102416
5316-54	F2	37.62	0.00102516
11636-33	TAGLN2	37.62	0.0010255
12549-33	HPGDS	37.62	0.00102561
2967-8	VCAM1	37.62	0.00102561
6364-7	TAPBPL	37.62	0.00102601
10445-20	APOM	37.62	0.00102604
3331-8	RGMB	37.62	0.00102621
4460-8	PDPK1	37.62	0.00102709
8970-9	RIPK2	37.62	0.00102784
3605-77	MASP1	37.62	0.00102814
4929-55	SHBG	37.62	0.00102824
9365-91	EYS	37.61	0.00102879
5018-68	PRDX6	37.61	0.00102887
12536-46	MTMR6	37.61	0.00102922
8298-8	SSMEM1	37.61	0.00102959
3388-58	PAK5	37.61	0.00102976

6508-68	SCGB1D2	37.61	0.00103055
9335-28	PSG9	37.61	0.00103098
12537-88	PURA	37.61	0.00103105
5121-3	SEMA6B	37.61	0.00103158
12355-223	MRRF	37.61	0.00103161
3351-1	CAMK2B	37.60	0.00103307
3813-3	FYN	37.60	0.00103357
6210-100	IFNA5	37.60	0.0010351
7717-95	CFTR	37.60	0.0010352
3065-65	FGF5	37.59	0.00103537
2992-59	IL17RA	37.59	0.0010355
12740-55	FEV	37.59	0.00103631
13727-44	SPOP	37.59	0.00103643
4997-19	EIF4A3	37.59	0.00103673
7265-32	OSTN	37.59	0.00103707
9802-27	PNPLA2	37.59	0.00103729
9754-33	NQO2	37.59	0.00103732
5351-52	HNRNPA2B1	37.59	0.0010375
3872-2	TPT1	37.59	0.00103766
12888-18	SAP30	37.59	0.00103796
5460-60	DDX19B	37.59	0.00103837
12687-2	DECR1	37.58	0.00103988
4976-57	CRK	37.57	0.00104281
9816-37	ISOC1	37.57	0.00104342
12387-7	PDLIM4	37.57	0.00104464
6625-31	ATAD1	37.57	0.00104487
8326-63	SIGIRR	37.57	0.00104517
13937-75	CAND1	37.57	0.00104521
7786-83	CLEC2B	37.57	0.00104563
9757-29	ENAH	37.56	0.00104618
14618-26	VOPP1	37.56	0.00104649
3815-14	IL12RB2	37.56	0.00104691
7826-1	DCLK3	37.56	0.00104745
6262-14	IL17RB	37.56	0.0010476
6938-21	PCDHGA12	37.56	0.00104884
12675-14	DARS1	37.55	0.00105132

9986-14	NPW	37.55	0.0010525
13713-164	SEC22A	37.54	0.00105317
13947-371	NUDT12	37.54	0.0010533
6280-11	PCDH8	37.54	0.00105426
3010-53	TSLP	37.54	0.00105486
9999-1	IRF6	37.54	0.0010552
13728-19	ERP29	37.54	0.00105572
4160-49	MMP2	37.54	0.0010565
10076-1	AP4M1	37.53	0.00105774
7204-1	CEACAM21	37.53	0.00105782
5715-4	ABHD14A	37.53	0.00105788
9127-4	SLC26A5	37.53	0.00105791
3168-8	ADAMTS5	37.53	0.00105901
13930-3	APOBEC3G	37.53	0.00105923
10366-11	PDGFRA	37.53	0.00105976
12678-66	SNRPA	37.52	0.00106051
13470-43	PTH1R	37.52	0.00106134
13450-49	USP8	37.52	0.00106161
14597-5	SEMA6C	37.52	0.00106182
14178-18	CDKN3	37.52	0.00106282
13666-222	CA10	37.52	0.00106336
6969-14	WFDC5	37.52	0.00106345
6377-54	LYZL2	37.52	0.00106365
5792-8	AFP	37.51	0.00106447
2190-55	F11	37.51	0.00106468
12814-17	RNPC3	37.51	0.00106494
12449-16	PPIH	37.51	0.00106508
5262-57	BCAR3	37.51	0.00106533
5410-53	CDH15	37.51	0.00106565
10530-8	PSMB6	37.51	0.00106639
10496-11	CLCA1	37.51	0.00106662
5606-24	MFAP1	37.51	0.00106702
3373-5	GZMH	37.51	0.00106705
6920-1	GFRAL	37.50	0.00106771
9343-16	IL2RB	37.50	0.00106782
3727-35	PYY	37.50	0.00107006

12621-55	PPP2R1A	37.49	0.00107187
9078-207	SNTB1	37.49	0.00107251
6294-11	BAGE2	37.49	0.00107276
9314-9	PSG5	37.49	0.00107288
12497-29	NUDT16L1	37.49	0.00107309
14615-46	KRTAP2-4	37.49	0.00107343
3216-2	PIGR	37.49	0.00107349
3820-68	MAPKAPK2	37.49	0.00107415
7886-26	SPTLC1	37.49	0.00107421
10425-3	B4GALT5	37.49	0.00107427
11926-23	AAGAB	37.49	0.00107445
4903-72	PPP3CA PPP3R1	37.48	0.00107524
13963-7	TOLLIP	37.48	0.00107562
7742-11	RNF148	37.48	0.00107584
13986-6	LANCL1	37.48	0.00107607
13620-10	GET3	37.48	0.00107686
2704-74	TNFRSF13B	37.48	0.00107731
12704-26	SH2D3C	37.48	0.00107752
5223-59	GCKR	37.48	0.00107774
11967-23	CRABP1	37.47	0.00107878
4542-24	CLU	37.47	0.00108051
12420-10	GPD1L	37.47	0.00108063
5864-10	ALDOA	37.47	0.00108102
10620-21	MSMB	37.47	0.00108109
6605-17	IGFALS	37.47	0.0010814
9547-29	EMID1	37.46	0.00108258
11626-7	UBE2V1	37.46	0.0010826
8051-10	AGGF1	37.46	0.00108261
9883-29	GLO1	37.46	0.00108289
6289-78	ARHGAP36	37.46	0.00108373
6274-15	WSCD2	37.46	0.00108427
10917-40	GNGT2	37.46	0.00108498
7267-2	SPTLC2	37.46	0.00108511
4188-1	AKR7A2	37.46	0.00108539
2949-6	PLA2G10	37.45	0.00108554
8476-11	CHGA	37.45	0.00108565

5658-64	F13B	37.45	0.00108603
8825-4	PILRA	37.45	0.00108671
4324-33	CST2	37.45	0.00108694
8840-61	C1S	37.45	0.00108853
3497-13	IFNA2	37.45	0.00108883
12787-47	ZNF134	37.45	0.00108905
6453-70	LILRB4	37.44	0.00109004
9872-23	CTNNA2	37.44	0.00109024
14007-22	PAPSS1	37.44	0.00109041
12668-7	VPS4B	37.44	0.00109053
4154-57	SELP	37.44	0.00109172
3905-62	UBE2N	37.44	0.00109192
7696-3	NBR1	37.44	0.00109204
12471-47	STAU1	37.43	0.0010933
4355-13	DAPK2	37.43	0.00109396
8046-9	LGALS1	37.43	0.00109459
5028-59	CD163	37.43	0.00109521
9759-13	IDO1	37.43	0.00109546
7246-4	FREM2	37.43	0.00109586
14623-26	SUMO3	37.42	0.00109714
14082-56	TLN2	37.42	0.00109732
5105-2	RTN4R	37.42	0.00109764
3209-69	MEPE	37.42	0.00109776
7736-28	OPALIN	37.42	0.00109783
12731-12	PLEKHA7	37.42	0.00109793
10814-7	CD1A	37.42	0.00109854
11226-16	UBE3A	37.42	0.00109885
6410-26	INSL4	37.42	0.00109938
12747-89	RBM3	37.41	0.00110037
10809-14	KLRB1	37.41	0.00110071
11155-16	COL6A5	37.41	0.00110081
12431-13	PELO	37.41	0.00110089
10959-125	BET1L	37.41	0.00110155
2838-53	MMP17	37.41	0.00110212
12643-4	ARRB1	37.41	0.00110245
14633-26	TMEM185A	37.41	0.00110284

7981-230	B3GALT6	37.41	0.00110284
4991-12	GPC5	37.41	0.00110344
7638-30	LMAN2	37.41	0.00110377
7154-92	LEG1	37.41	0.00110394
13512-28	HNRNPR	37.40	0.00110484
11638-42	B3GALT2	37.40	0.00110537
3115-64	MAPK1	37.40	0.00110683
11440-58	SOCS3	37.40	0.00110706
6570-1	COL13A1	37.40	0.00110711
7822-11	PLAAT2	37.40	0.00110727
3628-3	MAP2K2	37.40	0.00110753
11350-30	STUB1	37.39	0.00110861
7076-17	ECEL1	37.39	0.00110897
12436-84	GSTO1	37.39	0.00111039
10569-28	MFAP2	37.39	0.00111116
13615-60	NCK2	37.39	0.00111136
12016-60	CBL	37.38	0.00111174
6600-70	RELL2	37.38	0.00111197
3235-50	WFIKKN2	37.38	0.00111204
4487-1	FGF7	37.38	0.00111243
5667-3	SEMA3B	37.38	0.0011127
6384-19	WFDC3	37.38	0.00111303
5494-52	SNRPF	37.37	0.00111583
9839-148	TIRAP	37.37	0.00111587
12652-37	AHCYL1	37.37	0.00111591
14024-196	EDA	37.37	0.00111613
12847-27	RNGTT	37.37	0.00111633
11582-63	DNAJA2	37.37	0.0011167
11089-7	IGHA1 IGHA2	37.37	0.00111676
11715-1	POU2F1	37.37	0.00111678
6620-82	LINGO1	37.37	0.00111721
2620-4	IL6ST	37.37	0.00111758
7770-25	NFU1	37.37	0.00111837
8785-1	ARMC5	37.36	0.00111906
12376-85	CDKN2D	37.36	0.00111939
10565-19	SLITRK3	37.36	0.00112018

4129-72	CFB	37.36	0.00112067
12754-14	CSDC2	37.36	0.00112135
7139-14	SLITRK4	37.36	0.00112146
3873-51	TPO	37.36	0.00112215
12822-34	APBB1	37.36	0.00112255
13393-46	DERL1	37.36	0.00112273
3808-76	FGFR2	37.35	0.00112393
12455-48	MYNN	37.35	0.00112417
5593-11	PDIA5	37.35	0.00112429
10903-50	STX8	37.35	0.00112467
3761-4	PTGS2	37.35	0.00112486
6321-65	PCDHGA10	37.35	0.00112564
2649-77	ICAM3	37.35	0.00112575
6408-2	INHBC	37.35	0.00112616
10354-57	STAT3	35.78	0.00112666
6617-12	FCRL6	37.34	0.00112768
6525-17	DUSP13	37.34	0.00112825
13130-150	HK2	37.34	0.00112859
5023-23	ADSL	37.34	0.00112969
6915-2	CD164L2	37.34	0.00113012
4464-10	SIGLEC1	37.33	0.00113263
5604-30	HPSE	37.33	0.00113383
6621-10	RLN2	37.32	0.00113499
3466-8	PRKACA	37.32	0.00113539
5751-14	LETMD1	37.32	0.00113603
12844-10	BAG4	37.32	0.00113625
6036-78	EPHA10	37.32	0.00113659
4988-49	FGFR4	37.32	0.0011368
5753-21	TAFA1	37.32	0.00113704
10008-43	GUCA1A	37.32	0.0011375
8225-86	EPHB2	37.32	0.00113774
12875-28	UBTD2	37.32	0.00113797
4964-67	ERAP1	37.31	0.0011382
12729-12	PSMG3	37.31	0.00113868
11396-39	DNAI1	37.31	0.00113884
13650-11	KCNIP1	37.31	0.00113931

13992-12	NSF	37.31	0.00113972
8100-15	ADM2	37.31	0.00113973
2571-12	IGFBP3	37.31	0.00114008
8631-13	ERMAP	37.31	0.00114026
12451-62	BACH1	37.31	0.00114052
11171-25	FLNA	37.31	0.00114078
13522-20	VSNL1	37.31	0.0011414
7917-17	CPD	37.30	0.00114235
8901-40	YWHAG	37.30	0.00114255
2742-68	SIGLEC7	37.30	0.00114264
12340-17	AARS1	37.30	0.00114272
2700-56	PROS1	37.30	0.0011433
4908-6	ENG	37.30	0.0011435
11257-1	QDPR	37.30	0.00114364
13103-125	CSH1 CSH2	37.30	0.00114448
5632-6	CRTAC1	37.30	0.001145
9841-197	PAICS	37.30	0.00114548
13477-65	LTB4R	37.30	0.0011455
3350-53	CAMK2A	37.30	0.00114567
12817-1	GEM	37.30	0.00114572
10852-114	HNRNPDL	37.29	0.00114687
4294-16	SPHK1	37.29	0.00114709
6382-17	MANBA	37.29	0.00114728
8045-3	KIR3DL3	37.29	0.00114798
3041-55	MRC2	37.29	0.00114809
6510-56	RNF128	37.29	0.00114827
5636-10	MFAP4	37.29	0.00114827
3471-49	STK16	37.29	0.00114837
2693-20	OSM	37.29	0.00114888
14287-6	RAB5C	37.29	0.00114945
2681-23	HGF	37.29	0.00114949
9855-10	RHOA	37.29	0.00114953
3025-50	FGF2	37.29	0.00114965
4697-59	CSF2	37.28	0.00115069
3396-54	REN	37.28	0.00115092
5885-55	EIF4H	37.28	0.00115153

3848-14	GAPDH	37.28	0.00115273
8891-7	CPVL	37.28	0.00115289
10571-14	MGAT1	37.28	0.00115295
6549-60	VSTM2L	37.28	0.00115305
3363-31	CSK	37.28	0.0011532
8019-73	STMN3	37.28	0.00115323
9826-135	FHIT	37.28	0.00115354
11280-6	GAD1	37.27	0.00115512
6393-63	HSP90B1	37.27	0.00115563
12432-23	CACYBP	37.27	0.00115596
8838-10	GOLM2	37.27	0.00115631
3290-50	CD109	37.27	0.00115639
7018-10	TSR3	37.27	0.00115648
8394-56	RNASE2	37.27	0.00115739
9894-13	MYO6	37.26	0.00115844
5129-12	SCARF1	37.26	0.00115868
10949-59	RPLP2	37.26	0.00115893
5065-8	CD83	37.26	0.00115965
11383-41	KRT7	37.26	0.00115982
9745-20	EIF4E2	37.26	0.00116028
13745-10	PKD2	37.26	0.00116044
3845-51	DYNLRB1	37.26	0.00116077
9995-6	DUT	37.26	0.00116098
12637-7	CRAT	37.25	0.00116165
10939-16	PLEKHA4	37.25	0.00116206
11572-4	DNM2	37.25	0.0011623
10080-9	EIF2B1	37.25	0.0011623
2668-70	CAPN1 CAPNS1	37.25	0.00116452
14203-3	ANXA7	37.25	0.00116468
8775-61	FAM24B	37.25	0.0011648
12532-28	CDC34	37.25	0.00116488
11380-84	RBM24	37.24	0.0011657
8098-37	TBXAS1	37.24	0.00116583
8958-51	CHL1	37.24	0.0011659
6342-10	NPNT	37.24	0.00116625
9836-20	DCK	37.24	0.00116679

9221-6	ITPRIPL1	37.24	0.00116688
5656-53	ENDOU	37.24	0.00116789
5013-2	CLIC1	37.24	0.00116804
9302-90	GADD45GIP1	37.24	0.00116844
12885-42	NR1D2	37.24	0.00116892
11606-22	DNAJB6	37.24	0.0011691
4192-10	AKR1A1	37.23	0.00116949
13561-5	HTR6	37.23	0.0011698
2906-55	IL4	37.23	0.00117007
9957-9	RNF114	37.23	0.0011705
14063-17	OSM	37.23	0.00117053
11254-13	PAPLN	37.23	0.00117133
12575-30	MTHFD1	37.23	0.00117143
12701-1	EIF1B	37.23	0.00117221
13530-5	UTS2R	37.23	0.00117304
11596-47	ZNF75D	37.22	0.00117401
6485-59	IGLL1	37.22	0.00117453
7982-10	MRPL32	37.22	0.00117607
14314-6	PPIL2	37.22	0.0011763
8894-80	HNRNPAB	37.22	0.00117696
2449-1	PLA2G5	37.21	0.00117736
10880-38	FAM163B	37.21	0.00117754
5980-55	BOLA3	37.21	0.00117772
11615-16	DAPP1	37.21	0.00117794
9511-61	NXPH2	37.21	0.00117862
8941-4	NLGN3	37.21	0.00117875
7898-29	MDM1	37.21	0.00117976
6897-38	B3GAT3	37.21	0.00118061
13990-1	PC	37.21	0.00118068
8066-38	SYT9	37.21	0.0011807
8061-102	FAM171B	37.21	0.00118109
12685-57	HOMER2	37.20	0.00118275
8922-4	TMCC3	37.20	0.00118367
8975-26	CNOT9	37.20	0.00118439
4707-50	YWHAH	37.19	0.00118669
6406-3	NMES1	37.19	0.00118703

4472-5	TPM2	37.19	0.00118753
9384-17	CAMP	37.19	0.00118822
3866-7	SBDS	37.18	0.00118912
12373-73	TRA2B	37.18	0.00118947
5202-4	PPID	37.18	0.00119023
7875-86	PLEK	37.18	0.00119069
14116-129	S100A4	37.18	0.00119145
7976-19	FRRS1L	37.18	0.00119227
9409-11	TPSAB1	37.18	0.0011928
10563-13	LYSMD3	37.17	0.00119347
5103-30	CD200R1	37.17	0.00119358
12804-5	GMEB2	37.17	0.00119375
14090-23	DEF6	37.17	0.00119415
7957-2	SCG3	37.17	0.00119449
9974-8	DLL3	37.17	0.00119555
5627-53	GNRH1	37.17	0.00119668
2642-4	PAFAH1B2	37.16	0.00119721
6948-82	FIG4	37.16	0.00119749
9008-6	PRRG1	37.16	0.00119885
13236-25	WNT3A	37.16	0.00119934
2728-62	TNC	37.16	0.00120039
5698-60	TNXB	37.16	0.00120067
12838-28	DUSP15	37.15	0.00120173
11448-34	GALK1	37.15	0.00120219
4878-3	F10	37.15	0.00120234
11333-82	ARHGAP25	37.15	0.0012024
11934-9	INTS3	37.15	0.00120272
12651-21	PDK2	37.15	0.00120275
10830-5	EFCAB14	37.15	0.00120373
4995-16	HPGD	37.15	0.00120402
2633-52	IL13RA1	37.15	0.00120416
10512-13	CSF2RB	37.15	0.0012043
13399-33	RELL1	37.15	0.00120431
13943-38	DPY30	37.15	0.00120449
4423-77	BCL2L1	37.15	0.00120523
12827-37	RGS3	37.14	0.00120567

11071-1	IL5	37.14	0.00120583
3170-6	METAP2	37.14	0.0012059
7933-75	ADAM22	37.14	0.00120632
13375-48	SYNGR3	37.14	0.00120733
9332-6	DEFB136	37.14	0.00120737
6991-24	FUT9	37.14	0.00120793
10668-5	STX4	37.14	0.00120799
4393-3	FGF16	37.14	0.00120893
12777-11	SF1	37.13	0.00120935
14619-8	ZNF526	37.13	0.00120974
2429-27	C8A C8B C8G	37.13	0.00121084
10618-190	LRP2	37.13	0.00121204
3054-3	HP	37.13	0.00121286
8404-102	BOLA2	37.13	0.00121291
6925-26	SNX8	37.13	0.00121291
5888-29	EIF5A	37.13	0.00121317
12403-30	RAB39B	37.12	0.0012144
12854-3	TEAD3	37.12	0.0012146
5226-36	CSNK2A2 CSNK2B	37.12	0.00121469
5954-62	PTH	37.12	0.00121486
12585-39	ERCC1	37.12	0.00121625
8458-111	SNCA	37.12	0.00121628
8055-33	DGCR2	37.12	0.00121638
14034-22	TACSTD2	37.12	0.00121666
7758-217	RNF215	37.12	0.00121698
3003-29	NCR3	37.12	0.00121731
4883-56	INS	37.11	0.00121758
9478-69	PRPSAP1	37.11	0.00121778
6424-2	RNASE13	37.11	0.00121796
11416-23	FBXL4	37.11	0.00121885
12634-79	BCAR3	37.11	0.00121895
13985-12	SMURF2	37.11	0.00122
10762-2	KLRG2	37.11	0.00122008
13717-15	FCN2	37.10	0.00122266
12478-15	RPL30	37.10	0.00122304
6462-12	TIMP4	37.10	0.00122409

14157-21	YWHAE	37.10	0.00122412
10356-21	JUN	37.10	0.00122413
6291-55	CLSTN3	37.10	0.00122456
8921-139	PABPN1	37.10	0.00122473
3412-7	BCL2	37.10	0.00122501
13960-15	AGAP3	37.09	0.00122711
13488-3	ARFIP1	37.09	0.0012274
9220-7	EPHB3	37.09	0.00122794
14095-1	KLRK1	37.09	0.00122806
13979-3	SLC26A7	37.09	0.00122912
10040-63	TP63	37.08	0.00123022
5730-60	CXCL14	37.08	0.00123029
4910-21	PLA2G1B	37.08	0.00123086
9565-6	PAWR	37.08	0.00123135
13441-30	DIXDC1	37.08	0.00123165
9201-13	TAGLN2	37.08	0.00123195
13497-34	EIF3J	37.08	0.00123226
12516-13	TEAD4	37.08	0.00123232
8951-162	CSPG4	37.08	0.00123326
11669-39	SLCO5A1	37.07	0.00123425
2966-65	CLEC11A	37.07	0.00123583
9730-22	GHDC	37.07	0.00123604
12735-39	CSDE1	37.06	0.00123839
7104-71	CABP7	37.06	0.00123847
11699-16	PTP4A2	37.06	0.00123959
13639-101	USO1	37.06	0.00123982
12718-43	PIN4	37.06	0.00124053
5717-2	CILP	37.06	0.00124123
2823-7	COMMD7	37.05	0.00124291
5312-49	APOE	37.05	0.00124312
8998-15	HS3ST4	37.05	0.0012441
12597-68	ATG5	37.05	0.00124578
11342-59	PLXDC2	37.05	0.00124579
8447-11	GHRL	37.05	0.00124598
3381-24	LYN	37.04	0.00124659
11237-49	PCOLCE	37.04	0.00124678

12356-65	SRI	37.04	0.00124719
5236-2	NR1D1	37.04	0.00124733
5701-81	CLEC3B	37.04	0.001248
9249-17	TMEM9	37.04	0.00124944
11493-169	DYNLL2	37.04	0.00124967
10451-11	NUCB1	37.04	0.00125032
4866-59	NTRK2	37.03	0.00125089
11258-41	MADCAM1	37.03	0.00125109
14035-13	TIAM1	37.03	0.00125111
11228-37	RIC3	37.03	0.00125203
8418-30	CTNNB1	35.47	0.00125219
6231-46	STC2	37.03	0.0012526
10630-5	HTATIP2	37.03	0.00125338
10731-10	HS3ST5	37.03	0.00125348
4891-50	GCG	37.03	0.00125412
3506-49	LTA LTB	37.02	0.00125512
4965-27	ATP5F1B	37.02	0.00125614
4435-66	ENPP7	37.02	0.00125624
12576-21	MAGEA3	37.02	0.00125647
7747-47	NDUFB11	37.02	0.0012569
9100-32	C5orf46	37.02	0.00125697
4551-72	ADGRG5	37.02	0.00125721
4397-26	IFNL2	37.02	0.00125773
3823-9	MATK	37.02	0.00125852
12682-5	KYAT3	37.02	0.00125883
3810-50	FGR	37.02	0.00125891
9241-40	SIRPG	37.01	0.00125918
5228-25	KIF23	37.01	0.00125952
3325-2	MATN2	37.01	0.00125968
11313-100	PCBD1	37.01	0.00126159
3836-51	UFM1	37.01	0.00126169
3392-68	AKT3	37.01	0.00126216
4916-2	IGHD	37.01	0.00126264
11568-2	FKBP1B	37.01	0.00126276
8253-2	POMGNT1	37.01	0.00126292
9864-38	TTC1	37.01	0.00126305

6103-70	FCRL5	37.01	0.00126328
7970-315	ART3	37.01	0.00126333
10513-13	KCNIP3	37.01	0.00126338
12454-105	NTMT1	37.00	0.00126407
11872-9	PCDHGB1	37.00	0.00126411
2970-60	AREG	37.00	0.00126497
2558-51	POMC	37.00	0.0012652
8094-20	CISD2	37.00	0.00126535
3220-40	RET	37.00	0.00126605
3317-33	HTRA2	37.00	0.00126652
6563-78	HSPA1A	37.00	0.0012669
13669-6	FGFR3	37.00	0.0012671
10938-13	CD58	37.00	0.00126721
9450-18	CDK2AP1	37.00	0.00126751
14260-112	NET1	37.00	0.00126752
2877-3	UBE2I	36.99	0.0012678
12533-135	CYTH2	36.99	0.00126868
7207-4	IK	36.99	0.0012692
3405-6	UFC1	36.99	0.00126921
8074-32	TMEM70	36.99	0.00126975
3600-2	CHIT1	36.99	0.00127053
12892-10	SYTL1	36.99	0.00127075
12766-33	GPR142	36.99	0.00127098
3832-51	PTK6	36.99	0.00127171
12934-1	HERC5	36.98	0.00127295
11382-5	BLVRA	36.98	0.00127323
10088-37	APRT	36.98	0.00127332
11557-3	SMURF1	36.98	0.00127387
11215-6	CDH15	36.98	0.00127434
5509-7	EGF	36.98	0.00127464
14318-1	VPS29	36.98	0.00127518
9984-12	YIPF6	36.97	0.00127653
11243-90	ADGRF1	36.97	0.00127681
3212-30	ASAH2	36.97	0.00127705
6463-59	QRFP	36.97	0.00127743
6538-90	KIAA2013	36.97	0.0012776

12703-6	NEK7	36.97	0.00127762
8962-48	RPS6KB1	36.97	0.00127791
6955-68	SNX1	36.97	0.00127812
12993-21	NPLOC4	36.97	0.00127849
7757-5	HLA-DQA2	36.97	0.00127884
8853-2	CLEC4A	36.97	0.00127936
9886-28	XRCC4	36.97	0.00127939
5687-5	PRKCSH	36.96	0.0012806
13230-174	IGHG2	36.96	0.00128101
6455-52	HAPLN4	36.96	0.00128135
14101-2	CNTFR	36.96	0.00128159
7935-26	LARGE1	36.96	0.00128174
5340-24	CASP10	36.96	0.00128193
3647-49	TLR4 LY96	36.96	0.00128326
13657-2	PNKP	36.96	0.00128352
5085-18	IL20RA	36.96	0.0012838
5707-55	ELK3	36.95	0.00128485
11436-6	INA	36.95	0.00128491
13589-10	APBB3	36.95	0.00128539
9484-75	DSG2	36.95	0.00128539
12382-2	DDX58	36.95	0.0012856
5011-11	NAMPT	36.95	0.00128561
9099-19	SYT5	36.95	0.00128566
5430-66	SIRPA	36.95	0.00128595
11433-11	TCTN2	36.95	0.00128616
12392-30	ARL1.00	36.95	0.00128686
13624-17	NADK	36.95	0.00128695
13076-4	FXR1	36.95	0.00128707
9960-2	TBC1D5	36.95	0.0012877
13596-3	RAB27B	36.95	0.00128812
7211-2	RNASE1	36.95	0.00128827
13535-2	CERT1	36.95	0.00128848
12771-19	ZNF180	36.95	0.00128865
10945-11	STX6	36.95	0.00128882
8776-10	ERLIN1	36.95	0.00128891
8690-25	CAV3	36.95	0.00128908

9412-52	ACVR2B	36.94	0.00128932
5062-60	CD226	36.94	0.00128933
5626-20	CTRC	36.94	0.00128957
11534-6	LRIT3	36.94	0.00129022
7081-2	BTN3A1	36.94	0.00129032
9765-4	NDE1	36.94	0.0012905
8556-5	RETREG1	36.94	0.00129079
9271-101	STIM1	36.94	0.00129096
12783-29	HNRNPM	36.94	0.0012913
3437-80	FLT3	36.94	0.0012918
4693-72	HIBADH	36.94	0.00129247
10363-13	SMAD3	36.94	0.0012929
2635-61	LAYN	36.94	0.00129328
13386-248	RNF34	36.94	0.00129344
3441-64	GSK3A	36.93	0.00129357
12714-38	AP1G2	36.93	0.001294
13588-11	ANXA9	36.93	0.00129515
11645-9	P4HA1	36.93	0.00129669
13485-20	TMEM87B	36.93	0.00129682
10426-21	GOSR2	36.93	0.00129731
2747-3	ULBP3	36.93	0.00129736
6624-94	WNT11	36.93	0.00129753
2665-26	TNFRSF17	36.92	0.00129807
6290-3	UTS2B	36.92	0.00129834
12427-8	CDC25B	36.92	0.00129972
6107-3	CELA1	36.92	0.00130061
6576-1	ART4	36.92	0.00130158
14112-40	RELT	36.91	0.00130257
6561-77	IGKV1-5	36.91	0.00130261
13384-110	FH	36.91	0.00130287
5708-1	LEAP2	36.91	0.001304
11185-145	GCH1	36.91	0.00130495
7009-8	CD72	36.91	0.00130552
10012-5	SPDEF	36.91	0.00130605
4981-6	DSC3	36.91	0.00130653
11617-1	ITGAL	36.90	0.00130734

12583-77	ARAF	36.90	0.00130776
2851-63	C5	36.90	0.00130865
5488-74	SRC	36.90	0.00130906
3342-76	ABL2	36.90	0.00130933
5268-49	MMP16	36.90	0.0013097
9190-7	CD63	36.90	0.00131044
13934-3	MCF2L	36.90	0.00131064
8245-27	ICAM5	36.90	0.00131091
4890-10	POMC	36.89	0.00131233
6402-8	PILRA	36.89	0.00131266
7911-29	SCN4B	36.89	0.00131293
11205-10	ITGB7	36.89	0.00131376
9045-3	SLC27A2	36.89	0.00131392
7143-9	None	36.89	0.00131445
13097-11	BCL2L2	36.89	0.00131505
5026-66	RPS3	36.88	0.00131617
3347-9	GRK2	36.88	0.00131641
3854-24	NACA	36.88	0.00131665
4127-75	C6	36.88	0.00131759
12856-14	TMEM237	36.88	0.0013183
13503-19	ARL6IP5	36.88	0.00131844
13518-5	ASAP2	36.88	0.00131863
14121-24	TNFRSF10D	36.87	0.00132053
3714-49	CKB CKM	36.87	0.00132073
5250-53	IMPDH2	36.87	0.00132127
4309-59	TPI1	36.87	0.00132128
5834-18	IL9	36.87	0.00132131
6420-4	SDHAF2	36.87	0.00132279
12843-6	ZNF410	36.87	0.00132309
13591-31	PRIM1	36.87	0.00132359
6633-43	None	36.87	0.00132377
11128-29	TMEM132C	36.87	0.00132386
11180-17	SMARCC1	36.86	0.0013246
3580-25	SERPINA1	36.86	0.00132483
12521-3	CDKN2C	36.86	0.00132569
8088-56	C1orf210	36.86	0.00132597

7997-118	DOC2B	36.86	0.00132643
7089-42	SYT11	36.86	0.00132658
4240-31	PKM	36.86	0.00132666
11355-10	EIF5A2	36.86	0.00132674
12628-31	LANCL2	36.86	0.00132721
7895-108	MRAP	36.86	0.00132727
13671-40	ELANE	36.86	0.00132834
13411-21	RNF41	36.86	0.00132836
9076-25	PENK	36.85	0.00132889
7146-16	PDIA4	36.85	0.00132912
9951-36	FBXL4	36.85	0.00132934
10753-31	ADAM7	36.85	0.00132956
8893-29	PARP1	36.85	0.00133035
11174-8	THSD7A	36.85	0.00133057
8697-38	GPC1	36.85	0.00133153
3413-50	BCL2A1	36.85	0.00133154
8834-58	CANX	36.85	0.00133199
3389-7	SERPINA5	36.85	0.00133219
7887-57	COX5B	36.85	0.00133238
12587-65	ARL2	36.85	0.00133252
6936-7	PMEPA1	36.85	0.00133294
2827-23	CX3CL1	36.85	0.00133309
12873-11	SPN	36.84	0.0013335
10510-62	SCIMP	36.84	0.00133352
9115-78	ADAMDEC1	36.84	0.00133419
7850-1	COX4I2	36.84	0.00133524
11122-97	SPG21	36.84	0.0013355
2864-2	MAP2K1	36.84	0.00133588
11266-8	SELPLG	36.84	0.00133633
13720-95	PRTN3	36.84	0.00133676
3847-56	ETHE1	36.84	0.00133697
8864-59	CENPW	36.84	0.0013375
7155-46	C4BPB	36.83	0.00133771
11312-40	PMS2	36.83	0.00133805
8569-147	ARL8B	36.83	0.0013382
9333-59	ERP27	36.83	0.00133845

9889-42	AFAP1L1	36.83	0.00133874
14106-46	RAP1GDS1	36.83	0.001339
7202-107	SEMA6C	36.83	0.00133901
3459-49	PDGFRB	36.83	0.00133937
10037-98	SIGLEC12	36.83	0.0013394
3616-3	GNS	36.83	0.00133961
9773-15	RNF149	36.83	0.00133967
7751-121	SFRP2	36.83	0.00134054
12554-10	RAD51D	36.83	0.00134067
13430-50	SLC14A1	36.83	0.00134111
13954-9	GNPNAT1	36.82	0.00134272
6395-58	GPHA2	36.82	0.00134378
12830-4	SAP18	36.82	0.00134386
10574-10	B2M	36.82	0.00134391
12756-3	BACH2	36.82	0.0013457
6511-17	TAFA4	36.81	0.00134743
8859-51	CA11	36.81	0.00134827
12479-50	PRKAR1B	36.81	0.00134831
9742-59	DDX39B	36.81	0.00134861
2719-3	CSF3R	36.81	0.00134869
12445-50	ANKRD27	36.81	0.00135055
8925-25	RRM2B	36.81	0.0013506
11692-21	SHC4	36.80	0.00135149
3310-62	FCGR2B	36.80	0.00135188
11910-27	DLX4	36.80	0.00135302
8885-6	CACNA2D3	36.80	0.00135332
4306-4	TKT	36.80	0.00135345
8852-10	SUN3	36.80	0.00135497
3422-4	CDK1 CCNB1	36.80	0.00135556
5252-33	PDE11A	36.79	0.00135586
4889-82	WNT7A	36.79	0.0013564
8953-47	HDGF	36.79	0.00135719
7141-21	MGAT4B	36.79	0.0013572
8360-169	NCR1	36.79	0.00135809
9929-16	HSD17B7	36.79	0.00135817
4322-28	AMN	36.79	0.00135826

6226-69	MICU2	36.79	0.00135841
6507-16	NCAM2	36.79	0.00135846
8300-82	PEX14	36.79	0.00135878
14204-55	FOXJ2	36.79	0.00135917
8479-4	MMP10	36.79	0.00136001
5738-25	TNC	36.78	0.0013603
4258-15	PA2G4	36.78	0.00136057
5481-16	RASA1	36.78	0.00136078
5764-4	GALNT2	36.78	0.00136108
8424-269	CTNNB1	36.78	0.00136109
13231-90	IGHG4	36.78	0.00136181
5615-62	FAM172A	36.78	0.00136186
8923-94	GALNT16	36.78	0.00136257
3187-52	CRISP3	36.78	0.00136286
9037-1	STX18	36.78	0.00136418
4706-17	EPB41	36.78	0.00136478
2999-6	LSAMP	36.78	0.00136481
12667-2	GDA	36.77	0.00136523
11198-37	CREB3L1	36.77	0.00136609
3890-8	LDHB	36.77	0.00136613
9509-4	TMEM38B	36.77	0.00136631
14688-6	PTPN7	36.77	0.00136694
5007-1	MAPK14	36.77	0.00136765
12968-2	CSRP2	36.77	0.00136791
2837-3	MET	36.77	0.00136829
11494-4	ELL2	36.77	0.00136861
14268-4	SRXN1	36.77	0.00136881
4143-74	XCL1	36.77	0.00136911
12860-7	ARPP21	36.77	0.00136923
3374-49	HCK	36.77	0.00136933
12696-166	PRMT3	36.76	0.00136962
13704-5	HMGCS2	36.76	0.00137037
11656-110	EVL	36.76	0.00137169
9185-15	TFF1	36.76	0.00137281
14149-9	IL36B	36.76	0.0013735
6461-54	APOC3	36.76	0.00137374

14076-74	CST4	36.76	0.001374
10889-2	MRAP2	36.75	0.00137432
14713-46	AZU1	36.75	0.00137492
12960-9	GCK	36.75	0.0013757
9388-18	MCEE	36.75	0.00137583
5664-57	DEFB106A	36.75	0.00137598
12563-2	TNFAIP8	36.75	0.00137684
8773-172	EMILIN3	36.75	0.00137699
9094-5	CLEC4C	36.75	0.00137803
9089-77	JPH3	36.75	0.00137807
3855-56	PRDX1	36.75	0.00137841
8942-2	MRPL21	36.74	0.00137907
8064-125	PVR	36.74	0.0013795
8784-7	ABRAXAS1	36.74	0.00137959
4246-40	L1CAM	36.74	0.00138004
12456-5	PFKFB3	36.74	0.0013801
10047-12	NCF2	36.74	0.00138061
9758-17	RPS4X	36.74	0.00138106
8346-9	DPP7	36.74	0.00138115
9175-48	DSCAM	36.74	0.00138148
13683-18	CLCNKB	36.74	0.00138164
12548-75	RRAGC	36.74	0.00138275
8065-245	PATE4	36.74	0.00138324
11187-11	CLEC12A	36.73	0.00138371
13499-30	F8	36.73	0.00138392
12408-333	RAB22A	36.73	0.00138402
6451-64	ASPN	36.73	0.00138407
9934-29	PITPNA	36.73	0.00138479
14748-31	ARHGAP5	36.73	0.00138589
8296-117	POGLUT3	36.73	0.00138678
14273-19	PREP	36.73	0.00138712
12715-30	DCP1B	36.73	0.00138716
2705-5	CCL25	36.73	0.00138719
12406-119	DIRAS3	36.73	0.00138725
9361-7	PCDHAC2	36.73	0.00138769
8906-60	LRTM2	36.73	0.00138787

8992-1	CEMIP2	36.72	0.00138802
12945-33	RAB18	36.72	0.00138805
13435-31	IL20RB	36.72	0.00138874
11593-21	CXCL9	36.72	0.00138935
8843-34	MYRF	36.72	0.00139002
5486-73	ICAM2	36.72	0.00139123
7779-86	CHST11	36.72	0.00139125
11319-106	MRE11	36.72	0.00139167
8099-42	SPON2	36.72	0.00139173
8353-15	SCN2B	36.72	0.00139183
12332-7	EEF2K	36.72	0.00139202
3868-8	SGTA	36.72	0.00139236
7115-5	SEMG1	36.71	0.00139444
14603-51	KIAA0040	36.71	0.00139475
7123-25	MRPL52	36.71	0.00139481
13711-10	CLTC	36.71	0.00139527
12543-76	ZNF560	36.71	0.00139594
10081-17	SATB2	36.71	0.001396
12500-88	UBA2	36.71	0.00139663
3822-54	MAPKAPK3	36.71	0.00139664
4130-71	FGF6	36.70	0.00139751
3037-62	IL1B	36.70	0.00139753
12876-39	SPEF1	36.70	0.00139784
9275-2	SIGLEC5	36.70	0.00139954
9989-12	LRRC24	36.70	0.00140008
10827-67	LINGO3	36.70	0.00140094
8007-19	CTSB	36.70	0.00140094
11539-4	ATP5MF	36.70	0.00140124
11360-39	RRM1	36.70	0.00140185
5036-50	TNFAIP6	36.69	0.00140268
13961-18	KIF3A	36.69	0.00140272
6405-74	PSG2	36.69	0.00140274
13623-4	KMT2D	36.69	0.00140297
9470-15	METTL24	36.69	0.00140327
4913-78	CCL16	36.69	0.0014041
9003-99	MARCO	36.69	0.00140476

12423-38	A1CF	36.69	0.00140513
2794-60	SOD1	36.69	0.00140546
9081-39	SLC30A3	36.69	0.00140565
2809-25	ADAMTS4	36.69	0.00140613
8468-19	KLK3	36.69	0.00140646
14186-13	RFFL	36.69	0.00140656
5255-22	PDE4D	36.68	0.00140832
7952-2	VTI1A	36.68	0.00140844
12385-4	CAPN3	36.68	0.0014092
2743-5	SHH	36.68	0.00140926
9128-34	FLRT3	36.68	0.00140959
5676-54	ASIP	36.68	0.00140968
4420-7	ADAM12	36.68	0.00141103
5861-78	HAAO	36.67	0.00141139
10089-7	ASMTL	36.67	0.00141338
6961-14	IGFL3	36.67	0.00141385
6273-58	P3H1	36.67	0.00141437
12692-56	DOT1L	36.67	0.00141465
4876-32	F9	36.67	0.00141469
3315-15	GPC2	36.67	0.00141487
11143-32	OLFM3	36.67	0.0014149
10043-31	BRD4	36.67	0.00141504
13975-56	PPFIA1	36.67	0.00141505
11672-17	KIF16B	36.66	0.00141641
6497-10	RS1	36.66	0.00141669
7839-99	TAF3	36.66	0.00141728
9254-18	FCER1A	36.66	0.0014178
5897-58	GRP	36.66	0.00141818
11952-1	IGDCC3	36.66	0.00141818
6530-63	OPRPN	36.66	0.00141821
10716-35	PSMD5	36.66	0.00141864
9082-25	SEL1L2	36.66	0.00141871
11164-7	TENM2	36.66	0.0014195
14663-44	RNF8	36.66	0.00142042
9963-19	PCDHB10	36.65	0.0014211
8813-160	TXN	36.65	0.00142191

14025-18	TNFRSF9	36.65	0.00142191
8671-378	TRAPPC5	36.65	0.00142214
4973-18	BIRC3	36.65	0.00142222
4500-50	CLEC11A	36.65	0.00142239
2859-69	HDAC8	36.65	0.00142269
4194-26	ANP32B	36.65	0.00142337
4437-56	ENTPD5	36.65	0.00142407
4278-14	P4HB	36.65	0.0014246
9370-69	GGH	36.65	0.00142491
12845-18	SNX17	36.65	0.00142524
9075-121	MINAR1	36.64	0.00142701
10700-10	IGSF11	36.64	0.00142714
9895-77	ERCC4	36.64	0.00142715
6391-52	LILRA3	36.64	0.0014273
14056-4	CGA	36.64	0.00142763
12772-8	NUP98	36.64	0.00142771
12800-5	TPPP2	36.64	0.00142815
11607-15	BRD1	36.64	0.00142824
12389-4	ORC6	36.64	0.00142869
3172-28	ARSB	36.64	0.00142883
8817-29	CENPV	36.64	0.00142925
5259-2	MAP3K7 TAB1	36.64	0.0014299
3837-6	ZAP70	36.64	0.0014302
3603-60	CLEC7A	36.64	0.00143038
5915-58	PEX5	36.63	0.00143115
8222-49	CDHR3	36.63	0.00143135
12343-14	ACAP2	36.63	0.00143175
9265-10	GLIPR1	36.63	0.00143229
3196-6	HAPLN1	36.63	0.00143246
8018-43	VSIG2	36.63	0.00143249
10638-1	TINF2	36.63	0.00143278
2974-61	CNTN1	36.63	0.00143282
13472-35	HDHD2	36.63	0.00143296
5526-53	TNFRSF18	36.63	0.00143335
7096-30	RMDN1	36.63	0.0014337
7046-6	C20orf173	36.63	0.00143396

13977-28	BARD1	36.63	0.00143464
6536-54	PLBD2	36.63	0.00143468
14088-38	IGFBP6	36.63	0.00143485
3728-52	SCT	36.62	0.0014357
2888-49	C7	36.62	0.0014357
6896-3	C1orf162	36.62	0.00143607
8357-43	SULT4A1	36.62	0.0014364
8305-18	SULF2	36.62	0.0014365
2834-54	KLK8	36.62	0.00143713
10977-55	UCMA	36.62	0.0014387
3499-77	IL17B	36.62	0.00143956
4930-21	STC1	36.61	0.00144004
12761-12	APBB2	36.61	0.00144121
8219-14	ZG16	36.61	0.00144163
8040-9	LEMD1	36.61	0.00144188
11154-3	NFE2L1	36.61	0.00144213
11444-49	POLR3F	36.61	0.00144272
14061-48	TNFSF11	36.61	0.001443
7956-11	MICOS10	36.61	0.00144307
6407-63	LAD1	36.61	0.00144475
8935-22	ABCC6	36.60	0.001445
2994-71	IL1RL2	36.60	0.00144553
9550-153	TTC17	36.60	0.00144557
7090-17	GALNT1	36.60	0.00144563
5584-21	TCN2	36.60	0.00144592
4569-52	SORCS2	36.60	0.00144598
7180-114	IFNA14	36.60	0.00144689
8406-17	IGF1	36.60	0.00144697
9850-38	EIF1AX	36.60	0.00144714
3201-49	KLK5	36.60	0.00144736
6907-17	TMCO5A	36.60	0.00144757
2687-2	MIA	36.60	0.00144825
2750-3	APOA1	36.60	0.00144837
12411-60	MAX	36.60	0.00144965
6641-60	UBB	36.59	0.00145113
2778-10	IL22	36.59	0.00145125

11513-92	CD38	36.59	0.00145132
6360-7	DEFB128	36.59	0.00145174
5024-67	RB1	36.59	0.00145221
8028-22	SPINK5	36.59	0.00145256
4962-52	CDNF	36.59	0.00145265
14120-2	RNF43	36.59	0.00145293
13039-1	PPP1R8	36.59	0.00145398
14309-8	HNRNPH1	36.59	0.00145398
3046-31	RETN	36.59	0.00145436
9504-19	RAB27A	36.58	0.00145466
11441-11	PYGL	36.58	0.00145484
13434-172	PARVA	36.58	0.00145559
3892-21	MED1	36.58	0.00145571
4156-74	TGFB2	36.58	0.00145572
2875-15	TBP	36.58	0.00145583
7145-1	ITIH3	36.58	0.00145613
7083-74	MATN4	36.58	0.0014566
11560-76	NFATC4	36.58	0.00145672
10553-8	TOR1AIP2	36.58	0.00145762
4267-81	PES1.00	36.58	0.00145786
8376-25	LHB	36.58	0.00145817
6123-69	TP53	36.58	0.00145911
13547-5	HTR7	36.57	0.00146069
9899-28	KIF1C	36.57	0.00146078
6214-84	IFNA8	36.57	0.00146139
7219-152	HSPA1A	36.57	0.00146174
12711-19	GJA8	36.57	0.00146237
5596-75	CD5	36.57	0.00146347
14324-52	SMC3	36.57	0.0014636
5490-53	SPOCK1	36.57	0.00146431
5843-60	EHMT2	36.57	0.00146431
11179-7	TSSK1B	36.56	0.00146436
3365-7	DKK4.00	36.56	0.00146468
8016-19	DNAJC4	36.56	0.00146503
6369-82	DEAF1	36.56	0.00146554
9748-31	GSTM3	36.56	0.0014669

10890-135	LCTL	36.56	0.00146743
5060-62	CD274	36.56	0.00146749
7625-27	YWHAQ	36.56	0.00146766
11241-8	ASL	36.56	0.00146857
5357-60	NLGN4X	36.56	0.0014686
10070-22	PLCG2	36.56	0.001469
5765-53	DEFB121	36.55	0.00147042
11486-26	ZNF174	36.55	0.00147052
10362-35	MYC	36.55	0.00147164
9767-22	RIPPLY1	36.55	0.00147177
3399-31	STAB2	36.55	0.00147219
7856-51	FAM151A	36.55	0.00147223
3434-34	FN1	36.55	0.00147322
13122-19	FLRT2	36.55	0.00147323
9955-40	RNF148	36.55	0.00147348
3592-4	CAMK1	36.55	0.00147357
8428-102	NTM	36.54	0.00147431
5586-66	MINPP1	36.54	0.00147489
5803-24	C3	36.54	0.00147525
11551-16	HMG20B	36.54	0.0014755
11218-84	TPMT	36.54	0.00147654
7993-23	ASTL	36.54	0.00147658
2421-7	BDNF	36.54	0.00147666
7860-9	HERC4	36.54	0.00147749
13125-45	VTN	36.54	0.00147765
12799-65	DNAJC27	36.54	0.00147776
11202-70	TBX5	36.54	0.0014781
11432-11	PQBP1	36.54	0.00147841
9257-14	TACO1	36.54	0.00147852
9774-59	RNF150	36.54	0.00147897
14143-8	H2BC21	36.53	0.00148031
5648-28	CTRB2	36.53	0.00148094
12936-38	RLBP1	36.53	0.00148201
9182-3	LRP1	36.53	0.00148213
12409-90	RAB7B	36.53	0.00148303
11988-24	PTPRH	36.53	0.00148329

6385-63	VWA1	36.53	0.00148402
3881-49	DYNLL1	36.52	0.00148422
13129-40	LDLR	36.52	0.00148424
8601-167	LRP1	36.52	0.00148452
3640-14	LRPAP1	36.52	0.00148463
11252-30	LRCH4	36.52	0.00148532
13735-1	RAP1GAP	36.52	0.00148551
6984-6	IGSF8	36.52	0.00148653
10054-3	GAN	36.52	0.00148789
5714-88	IFNA6	36.52	0.001488
10507-166	ACRV1	36.52	0.00148821
9522-3	AIFM1	36.52	0.00148824
12571-14	ARL3.00	36.52	0.00148856
13447-42	SPRN	36.51	0.00148928
4392-54	FGF12	36.51	0.00148936
10336-3	STUB1	36.51	0.00149046
13013-41	PRKN	36.51	0.00149054
3486-58	FGF1	36.51	0.00149058
10902-53	ASPRV1	36.51	0.00149148
4128-27	CCL24	36.51	0.00149156
3867-49	SEZ6L2	36.51	0.00149171
3178-5	CTSC	36.51	0.00149178
3232-28	ACP5	36.51	0.00149291
3173-49	NAAA	36.51	0.00149333
13378-80	C5orf63	36.51	0.00149349
13067-5	PRKG1	36.51	0.00149374
14135-3	RXFP1	36.50	0.00149457
4150-75	PLG	36.50	0.0014946
12442-4	RHOD	36.50	0.00149492
3889-64	LMNB1	36.50	0.00149542
12813-18	EHBP1	36.50	0.00149564
2855-49	MAPK3	36.50	0.00149581
13554-78	REPIN1	36.50	0.00149583
8653-132	DNAJC4	36.50	0.00149613
4304-18	LCORL	36.50	0.0014963
11591-43	PRC1	36.50	0.00149634

9172-69	MMP8	36.50	0.0014965
9585-80	CLMP	36.50	0.00149779
8889-5	CCPG1	36.50	0.00149783
11424-4	FAH	36.50	0.00149798
14254-27	PTPN4	36.50	0.00149801
2647-66	GDI2	36.50	0.00149819
14139-16	NRG4	36.50	0.00149833
3453-87	LYN	36.50	0.00149861
5032-64	SSRP1	36.50	0.00149873
9885-41	RAP2A	36.50	0.00149879
3033-57	LGALS2	36.49	0.00149903
7124-18	IL21	36.49	0.00149921
5620-13	PAM	36.49	0.00149934
7140-1	CELA2A	36.49	0.00149938
9064-12	RNF215	36.49	0.00149949
7805-52	GOSR1	36.49	0.00149987
13479-8	FAM171A2	36.49	0.00149987
11138-16	RUNX3	36.49	0.00150033
9876-20	ALDOC	36.49	0.00150116
8932-1	ENTPD6	36.49	0.00150173
13104-32	EFNB1	36.49	0.00150209
9815-5	ARHGAP1	36.49	0.00150283
13403-5	ETV5	36.48	0.00150413
10677-9	NDUFB4	36.48	0.00150456
11324-3	PXDNL	36.48	0.00150465
7939-1	SLC66A1L	36.48	0.00150568
2645-54	PRKCZ	36.48	0.00150577
12538-19	RGS7	36.48	0.00150652
6647-55	UBC	36.48	0.00150665
12894-3	PAXIP1	36.48	0.00150695
5491-12	SPOCK2	36.48	0.00150726
6219-14	PDZD11	36.48	0.0015075
11402-17	KMT2C	36.48	0.00150832
14013-11	TANK	36.48	0.00150864
8087-250	RNF13	36.48	0.00150884
13653-335	MACROD1	36.47	0.00150912

13993-20	EPB41L1	36.47	0.0015095
8754-5	NMU	36.47	0.00150971
7994-41	ERO1B	36.47	0.00151031
3364-76	CTSV	36.47	0.00151092
6468-37	TAC4	36.47	0.00151185
3469-74	RPS6KA3	36.47	0.00151192
7240-2	MBTPS1	36.47	0.00151235
10851-77	EBI3	36.47	0.00151326
9027-10	NLGN2	36.47	0.00151326
5657-28	ST3GAL1	36.47	0.00151342
8233-2	ITIH5	36.47	0.00151348
11716-28	LRIT2	36.46	0.00151415
14026-24	IL17F	36.46	0.0015146
5654-70	TMX3	36.46	0.00151488
3122-6	DIABLO	36.46	0.00151572
9808-41	TNRC6B	36.46	0.00151677
9116-28	HEPACAM2	36.46	0.00151681
13487-24	UNC93B1	36.46	0.0015169
11157-35	HSPA1A	36.46	0.00151733
4987-17	FCAR	36.46	0.00151781
14599-18	STAB1	36.46	0.00151783
10818-36	SMPD1	36.46	0.0015182
2939-10	ARTN	36.46	0.00151899
13929-27	CROT	36.46	0.00151905
5138-50	TNFRSF12A	36.46	0.0015191
8778-3	NOG	36.45	0.00152012
9581-4	PRPF6	36.45	0.00152038
9248-36	MYDGF	36.45	0.00152109
3414-40	BMX	36.45	0.00152132
13068-139	CCS	36.45	0.00152155
3519-3	CCL17	36.45	0.00152158
6587-6	LRFN5	36.45	0.00152216
3585-54	BSG	36.45	0.00152216
2381-52	C5	36.45	0.00152258
6022-57	NELL2	36.45	0.00152268
5752-63	SUSD3	36.45	0.00152305

7796-10	CD79A	36.45	0.00152349
8983-7	GOLM1	36.45	0.00152411
8033-1	DNAJC18	36.44	0.0015246
6543-182	PRLH	36.44	0.00152465
8429-16	AXIN2	36.44	0.00152535
6555-58	STOML2	36.44	0.00152643
7099-33	FSTL5	36.44	0.00152654
10722-13	SYK	36.44	0.00152662
12694-28	DIMT1	36.44	0.00152688
10085-25	STAR	36.44	0.00152714
4155-3	TNC	36.44	0.00152716
7825-7	ABHD12	36.44	0.00152757
4124-24	HSPA1A	36.44	0.00152771
4162-54	TF	36.44	0.00152802
5117-14	ROBO3	36.44	0.00152871
8002-27	TMPRSS5	36.43	0.00153008
3419-49	CAMK2D	36.43	0.0015305
6276-16	FURIN	36.43	0.00153067
5078-82	EPHB6	36.43	0.00153074
13686-2	IL5RA	36.43	0.001531
3894-15	NAGK	36.43	0.00153155
4474-19	RPS27A	36.43	0.00153185
9035-2	MXI1	36.43	0.00153341
3481-87	XPNPEP1	36.43	0.00153353
11217-16	CTBP1	36.43	0.00153419
6469-62	LY6G6D	36.43	0.00153438
9910-9	MTAP	36.42	0.00153544
10063-10	FANCL	36.42	0.00153571
10390-21	ZNRF3	36.42	0.00153662
9874-28	CDKN2B	36.42	0.00153701
6918-183	CCK	36.42	0.00153749
8269-327	ARSK	36.42	0.00153787
8978-30	MAP4K3	36.42	0.00153886
7891-45	UGT1A6	36.42	0.00153918
12758-47	GRID2	36.41	0.00153967
2737-22	CCN3	36.41	0.00153975

6917-49	LRRC3	36.41	0.00154004
5854-60	MAPT	36.41	0.00154008
7813-6	ALPP	36.41	0.00154109
5478-50	FOLH1	36.41	0.00154111
5201-50	PDE9A	36.41	0.00154165
9574-11	BIN1	36.41	0.0015417
4135-84	IGHE	36.41	0.00154215
12444-39	NR5A2	36.41	0.00154247
6521-35	NPTX2	36.41	0.00154279
12633-3	PTPN9	36.41	0.00154279
12702-13	PELI2	36.41	0.00154342
13397-88	DEFB4A	36.41	0.00154359
14329-4	DIDO1	36.41	0.00154411
9379-248	SMIM10	36.41	0.00154453
4956-2	EREG	36.41	0.00154456
11356-19	ESS2	36.40	0.00154539
8991-115	FCRL4	36.40	0.00154546
11464-9	RELB	36.40	0.00154553
8967-6	DUSP26	36.40	0.00154558
8388-24	SPAST	36.40	0.00154599
11387-3	ATF6B	36.40	0.00154608
9107-59	ARMC10	36.40	0.00154613
8876-51	NRXN2	36.40	0.00154645
13094-75	RSPO3	36.40	0.00154707
5253-1	PDE1A	36.40	0.00154743
11459-81	ELL	36.40	0.00154755
8059-1	THPO	36.40	0.00154756
5671-1	CTRB1	36.40	0.00154813
11671-19	BRPF1	36.40	0.00154821
7880-9	PSMA1	36.40	0.0015483
5663-18	PF4V1	36.40	0.00154844
12622-96	ASH1L	36.40	0.00154847
10703-203	SUDS3	36.40	0.001549
13438-115	CHRD	36.40	0.0015497
10584-7	NDUFS4	36.40	0.00154989
14019-73	EVPL	36.39	0.00154995

10048-7	CBFB	36.39	0.00155056
9823-2	DHFR	36.39	0.0015509
6473-55	BPIFA1	36.39	0.0015509
11395-5	PTK2B	36.39	0.00155112
11616-9	HSF1	36.39	0.00155112
8079-39	EID3	36.39	0.00155139
4179-57	YWHAG	36.39	0.00155159
5679-16	DEFB103A	36.39	0.0015517
9789-52	SYNE2	36.39	0.00155197
10023-32	VDR	36.39	0.00155207
12425-104	ARF6	36.39	0.00155217
12378-71	TAPBP	36.39	0.00155226
3860-7	PSMA6	36.39	0.00155235
9097-5	ELAPOR1	36.39	0.00155265
4769-10	OLFM4	36.39	0.00155308
5094-62	JAML	36.39	0.00155334
3197-70	IDE	36.39	0.00155349
12882-7	PARP11	36.39	0.00155371
12437-18	ULK3	36.39	0.00155403
3864-5	RPS7	36.39	0.00155424
6994-19	C3orf18	36.39	0.00155457
7903-18	VAMP3	36.38	0.00155519
4159-130	CFH	36.38	0.00155573
4459-68	PCSK7	36.38	0.00155573
7999-23	ENTPD1	36.38	0.0015558
8297-8	DNAJC10	36.38	0.00155582
12779-30	PRDM4	36.38	0.00155598
5748-20	ASAH1	36.38	0.00155623
2524-56	HMGB1	36.38	0.00155683
12963-1	GPR107	36.38	0.00155741
13939-14	UGP2	36.38	0.00155781
12713-365	RGS19	36.38	0.00155835
7116-31	OSCAR	36.38	0.00155876
13590-1	REXO2	36.38	0.00155944
11137-43	CSF2RB	36.38	0.00155974
3059-50	TNFSF13B	36.38	0.00156004

13123-3	FLRT3	36.37	0.00156036
3902-21	SKP1	36.37	0.00156127
7218-87	ATP1B2	36.37	0.00156218
12671-35	SULT1B1	36.37	0.00156242
4163-5	H2AZ1	36.37	0.00156384
14616-16	ZNF382	36.37	0.00156403
9719-145	MMP16	36.37	0.00156443
8828-21	ESRP1	36.37	0.00156447
14002-18	DOCK9	36.37	0.00156447
7200-4	LRFN2	36.37	0.00156464
3758-68	PROC	36.37	0.00156473
5659-11	TRH	36.37	0.00156499
13966-30	MYOM3	36.37	0.00156509
5249-31	STK17B	36.37	0.00156545
14127-240	IFNB1	36.36	0.00156646
8929-7	BDP1	36.36	0.0015672
5903-91	HSPA8	36.36	0.00156745
3888-8	ING1	36.36	0.00156756
4566-24	RSPO2	36.36	0.00156833
4719-58	PDIA3	36.36	0.00156922
5116-62	ROBO2	36.36	0.00156927
11354-21	PLCB1	36.35	0.00157097
7070-25	KEL	36.35	0.00157102
4337-49	CRP	36.35	0.00157129
4867-15	VEGFA	36.35	0.00157193
12879-5	RBL1	36.35	0.00157214
14636-25	RIDA	36.35	0.00157252
14634-13	LHCGR	36.35	0.00157253
9451-20	UMOD	36.35	0.00157333
10606-34	TOR1AIP1	36.35	0.00157348
8363-18	ELAPOR2	36.35	0.0015735
6580-29	PZP	36.35	0.00157391
11204-80	CXADR	36.35	0.00157475
4904-7	CASP2	36.35	0.00157509
6533-20	DNASE2B	36.35	0.00157532
7249-307	BCL2L10	36.35	0.00157546

10624-45	SPINK13	36.34	0.00157689
11103-24	HSPB1	36.34	0.00157692
9059-14	RAPGEF5	36.34	0.00157836
4763-31	AFM	36.34	0.00157953
12677-164	FLII	36.34	0.00157959
12556-7	UBE2C	36.34	0.00157986
6361-49	PTPRR	36.34	0.00158058
11573-3	SRSF6	36.34	0.00158073
14006-36	GNMT	36.34	0.00158076
14249-68	MID2	36.34	0.00158078
12635-9	TRDMT1	36.34	0.00158098
9111-40	JPH4	36.33	0.00158168
7767-1	CLPSL2	36.33	0.00158191
7888-58	COA3	36.33	0.00158213
11530-37	HMBS	36.33	0.00158287
13509-5	SCAMP5	36.33	0.00158314
14624-51	CTCF	36.33	0.00158346
8973-23	FCRL4	36.33	0.0015847
4468-21	SPHK2	36.33	0.00158479
9207-60	CRYZL1	36.33	0.00158608
14045-12	NCOA2	36.33	0.00158645
11565-58	ZNF23	36.32	0.00158686
7221-56	CKAP4	36.32	0.00158691
5090-49	LILRB1	36.32	0.00158737
6237-11	FGFRL1	36.32	0.00158754
14115-34	ADM	36.32	0.0015876
13427-66	MAN1C1	36.32	0.00158768
12737-12	PLS1	36.32	0.00158785
14150-7	IL36A	36.32	0.00158857
2616-23	ERBB2	36.32	0.00158859
13451-2	FNDC4	36.32	0.00158891
4905-63	COTL1	36.32	0.00158917
12508-9	CHMP3	36.32	0.00158924
6234-74	VIT	36.32	0.00158935
7863-50	PGRMC1	36.32	0.00158991
9018-38	PCDH10	36.32	0.00159045

6409-57	ADGRF5	36.32	0.0015905
13032-1	BECN1	36.32	0.00159068
9595-11	B4GALT2	36.32	0.00159115
13453-2	MRPL33	36.32	0.00159125
9590-10	COX7A2L	36.32	0.0015917
12599-10	FERMT3	36.31	0.00159188
11911-13	LRRC4B	36.31	0.00159198
6631-17	COL9A1	36.31	0.00159207
2632-5	IL12RB1	36.31	0.00159217
6947-4	ST3GAL6	36.31	0.00159277
9255-5	IL17C	36.31	0.00159337
12564-9	NIP7	36.31	0.00159346
6504-65	LOXL2	36.31	0.00159363
11661-11	NLRP1	36.31	0.00159369
8327-26	DPEP2	36.31	0.00159404
6117-4	PCSK2	36.31	0.00159413
5400-52	LEPR	36.31	0.00159416
11287-14	CYB5A	36.31	0.00159453
6054-6	NXPH3	36.31	0.00159469
6334-9	GGT2	36.31	0.0015947
12623-84	JARID2	36.31	0.00159575
7624-19	ANK2	36.31	0.00159588
3312-64	FCGR1A	36.31	0.00159601
7117-21	SERPINI2	36.31	0.00159621
14332-3	RALA	36.31	0.00159676
14670-1	SKIL	36.30	0.00159757
9204-33	POMC	36.30	0.00159794
12604-16	SCMH1	36.30	0.00159795
11601-26	DHX8	36.30	0.00159802
5006-71	MAPK13	36.30	0.00159816
13575-40	DVL2	36.30	0.00159838
11201-19	PUS1	36.30	0.00159874
13082-9	UNC45A	36.30	0.00159891
12721-4	TAX1BP1	36.30	0.00159956
12366-16	CRYGD	36.30	0.00160027
13688-2	CAPSL	36.30	0.00160056

9959-60	TMEM59L	36.30	0.00160082
7923-41	SEMA4C	36.30	0.00160136
9026-40	BTNL8	36.30	0.00160152
3477-63	NTRK1	36.30	0.00160166
11223-1	TMEM154	36.30	0.0016021
11562-9	POLE2	36.30	0.00160235
10535-25	COX6A2	36.30	0.00160243
10721-76	HSPA1A	36.29	0.00160293
7810-20	C1QTNF5	36.29	0.001603
9118-7	PSD2	36.29	0.00160303
13570-43	HDLBP	36.29	0.00160374
7737-76	ITGB6	36.29	0.00160411
13412-5	WFDC6	36.29	0.00160426
9518-95	PLA1A	36.29	0.00160478
5097-14	KIR3DS1	36.29	0.00160482
8589-13	CDCP1	36.29	0.00160505
9106-87	LYSMD4	36.29	0.00160524
9739-4	MSH2	36.29	0.00160527
7924-7	CD3G	36.29	0.00160557
9503-1	NMS	36.29	0.00160589
13605-16	ANXA10	36.29	0.00160681
11242-33	TGM1	36.29	0.00160693
10030-8	MUTYH	36.29	0.00160695
5088-175	IL23R	36.29	0.00160697
11300-32	SORT1	36.29	0.00160703
3534-14	CD40LG	36.29	0.00160747
7198-197	FAM20B	36.28	0.00160802
10082-251	NEFL	36.28	0.00160804
13984-23	DDX25	36.28	0.00160942
5000-52	LGALS3BP	36.28	0.00160948
3427-63	CSNK2A1	36.28	0.00161186
6086-15	CHRD2	36.28	0.00161214
14587-16	GDF11	36.27	0.00161351
2833-20	KLK4	36.27	0.00161372
11147-17	TREML1	36.27	0.00161479
4911-49	GSTP1	36.27	0.00161493

13988-67	NMRAL1	36.27	0.00161524
14070-56	ITSN1	36.27	0.00161601
10754-113	PROK2	36.27	0.00161666
11375-49	FOXL2	36.27	0.00161668
10391-1	ANGPTL3	36.27	0.00161702
11365-17	TENM4	36.27	0.00161771
13089-6	HIF1A	36.27	0.00161776
6434-18	AOC2	36.27	0.00161796
12504-26	LMOD1	36.27	0.00161804
11175-45	LPCAT2	36.27	0.00161838
13680-3	NAB2	36.27	0.00161838
11531-24	VSIR	36.26	0.00161886
11989-35	EMC1	36.26	0.00161928
13105-7	SNAP25	36.26	0.00161941
7921-65	FJX1	36.26	0.00161996
11480-1	ALDH3A1	36.26	0.00162013
10892-8	OSMR	36.26	0.00162077
9339-204	FKBP2	36.26	0.00162095
9315-16	MUL1	36.26	0.00162117
5825-49	IFNGR1	36.26	0.00162131
3404-51	TPSG1	36.26	0.00162229
6597-24	FAM174A	36.26	0.00162263
6227-1	KLK10	36.26	0.00162281
9443-137	CTSK	36.26	0.00162294
4482-66	C5 C6	36.26	0.00162297
12834-3	KCNF1	36.26	0.00162353
7785-1	EFNB3	36.26	0.00162386
7019-13	SEMA7A	36.25	0.0016253
2683-1	C3	36.25	0.00162536
6937-251	C1orf43	36.25	0.00162537
7208-60	MGAT4C	36.25	0.00162547
5031-10	SPTAN1	36.25	0.00162569
12684-5	SCIN	36.25	0.00162575
12862-14	NEDD9	36.25	0.00162584
2652-15	PLAUR	36.25	0.00162636
12676-1	PACSIN1	36.25	0.00162642

12681-63	USP21	36.25	0.00162665
3723-1	NPPB	36.25	0.00162702
12384-92	COPS7B	36.25	0.00162764
6471-53	CFHR4	36.25	0.00162794
13240-170	SHANK1	36.25	0.00162803
11618-83	MYB	36.25	0.00162834
13574-50	RND1	36.25	0.00162847
8397-147	QSOX2	36.25	0.00162873
14114-18	PIANP	36.25	0.00162884
4961-17	ANXA2	36.25	0.0016289
10014-31	SNAI2	36.25	0.00162918
13976-9	ARHGEF1	36.25	0.00162933
3195-50	GNLY	36.24	0.00162954
11369-23	ADH5	36.24	0.00162995
13090-17	S100A6	36.24	0.00163011
12750-9	ITGB2	36.24	0.00163066
11315-148	PPM1D	36.24	0.0016311
10710-23	ZBP2	36.24	0.00163151
3719-2	CDKN1B	36.24	0.00163158
5704-74	GZMM	36.24	0.00163175
7069-9	TSNARE1	36.24	0.0016328
14052-26	UNC13A	36.24	0.00163309
3346-72	AURKB	36.24	0.0016332
9940-35	DUSP28	36.24	0.00163321
8850-5	PLA2G2C	36.24	0.0016335
13062-4	GMFG	36.24	0.00163383
9474-22	ASGR2	36.24	0.00163405
11260-47	SUN5	36.24	0.00163409
2744-57	IGHG1	36.23	0.00163493
12334-25	SHMT1	36.23	0.00163521
3169-70	IDUA	36.23	0.00163545
5114-65	PRLR	36.23	0.00163662
7225-51	MMGT1	36.23	0.00163749
12493-42	OTUB2	36.23	0.00163776
9377-25	KITLG	36.23	0.00163825
3893-64	MSLN	36.23	0.00163839

11678-105	GJD2	36.23	0.00163841
5680-54	OBP2B	36.23	0.00163866
13573-5	ARPC3	36.23	0.00163879
7975-97	UNC5A	36.23	0.00163923
4985-11	FABP5	36.23	0.00163949
2836-68	LCN2	36.22	0.0016404
4775-34	GSN	36.22	0.00164118
11289-31	CSNK1D	36.22	0.00164123
8389-8	LRRC74A	36.22	0.00164161
13563-259	ACBD7	36.22	0.00164189
8288-27	APOH	36.22	0.00164202
12514-16	METTL1	36.22	0.00164246
14100-63	C1QC	36.22	0.00164278
5813-58	EPO	36.22	0.00164434
5613-75	LAT2	36.22	0.00164469
6895-1	TFRC	36.22	0.00164536
14684-17	CAPN2	36.22	0.00164567
11264-33	XDH	36.21	0.0016458
10749-18	HSPA1A	36.21	0.00164591
6651-74	UBB	36.21	0.00164642
9168-31	CCL26	36.21	0.00164643
6553-68	CFAP45	36.21	0.00164724
8343-224	PAPOLG	36.21	0.00164735
14051-54	FOXC2	36.21	0.00164741
7854-38	NCR3LG1	36.21	0.00164811
6715-63	ALPG	36.21	0.00164858
13532-25	CNEP1R1	36.21	0.00164872
11827-7	RORC	36.21	0.00164878
9383-24	CHI3L2	36.21	0.00164929
13088-397	BTC	36.21	0.0016493
9171-11	CSRP3	36.21	0.00164957
6932-42	ITGA5	36.21	0.00164993
12595-11	TMOD1	36.21	0.00164996
11352-42	TTN	36.21	0.00165004
3311-27	FCGR3B	36.21	0.0016504
6315-58	PLBD1	36.21	0.00165073

3508-78	CCL22	36.21	0.00165076
8954-30	MAP4K1	36.21	0.00165081
5008-51	SOD2	36.21	0.0016512
2780-35	LTF	36.20	0.0016515
8810-26	HEPACAM	36.20	0.00165167
2771-35	IGFBP1	36.20	0.00165178
8035-6	C1orf198	36.20	0.00165204
6439-59	C14orf93	36.20	0.00165229
10006-25	ELK1	36.20	0.00165275
3874-8	UBE2L3	36.20	0.00165295
7142-5	CPN1	36.20	0.00165318
11666-72	RGS8	36.20	0.00165384
7763-25	CDH11	36.20	0.00165424
10455-196	IL31	36.20	0.00165467
13625-19	SSB	36.20	0.00165467
6992-67	HBD	36.20	0.00165492
4533-76	ADAMTS15	36.20	0.00165597
9264-11	CTSO	36.20	0.00165612
5731-1	SPINK6	36.20	0.0016562
8009-121	SURF1	36.19	0.00165705
7960-53	POTEG	36.19	0.00165728
9983-97	PRSS35	36.19	0.00165776
14294-61	MBD1	36.19	0.00165787
7121-2	SYT7	36.19	0.00165789
12895-28	DGKB	36.19	0.00165867
10499-1	TMEM106A	36.19	0.00165873
4138-25	IL20	36.19	0.00165878
3191-50	WFIKKN1	36.19	0.00165887
8903-1	COX6C	36.19	0.00165934
7849-3	QPCT	36.19	0.00165965
7879-12	CYP3A4	36.19	0.00166046
13132-14	SEMA5A	36.19	0.0016608
9180-6	IFNGR2	36.19	0.00166139
14286-2	NFATC1	36.19	0.00166142
3181-50	CTSS	36.19	0.00166156
4144-13	CCL13	36.19	0.00166181

9928-125	CNMD	36.19	0.00166182
9030-56	NDUFAF8	36.18	0.00166235
11231-12	FDX2	36.18	0.00166248
12878-60	OSBPL11	36.18	0.00166331
8664-36	PKDCC	36.18	0.00166346
11390-24	CA8	36.18	0.0016637
7073-69	C22orf15	36.18	0.00166407
10621-26	PRR16	36.18	0.00166437
8946-38	NR1H4	36.18	0.00166461
8093-13	MYORG	36.18	0.00166472
9444-70	DGCR6	36.18	0.00166506
4785-30	SERPINA6	36.18	0.0016656
7253-6	QKI	36.18	0.00166613
14291-53	AGAP2	36.18	0.00166689
13053-6	SLC6A14	36.18	0.00166727
12970-35	STAU2	36.17	0.00166822
4984-83	ESD	36.17	0.00166828
8337-65	PTPRU	36.17	0.00166871
2597-8	VEGFA	36.17	0.00166872
2998-53	JAM3	36.17	0.00166883
6527-1	TRIL	36.17	0.00166927
11327-56	CLK2	36.17	0.00166979
11351-233	NHEJ1	36.17	0.00166997
4708-3	HSD17B1	36.17	0.00167004
9487-60	GHRH	36.17	0.00167043
10531-18	NRAS	36.17	0.00167062
7262-191	CHST14	36.17	0.00167121
6493-9	CPZ	36.17	0.00167157
3356-50	CA7	36.17	0.00167203
12568-14	KEAP1	36.17	0.0016722
6494-60	SPACA5	36.17	0.00167227
11220-53	C10orf105	36.17	0.001673
6464-40	PVRIG	36.17	0.00167317
7761-125	CHKB	36.17	0.00167334
2515-14	GFRA2	36.17	0.00167335
5749-53	CLPS	36.16	0.00167362

9044-1	CNTNAP5	36.16	0.0016742
5614-44	CRH	36.16	0.00167446
9014-18	TMEM25	36.16	0.00167625
9937-7	GJA1	36.16	0.00167673
12705-9	HERC1	36.16	0.00167701
11152-46	KLK13	36.16	0.00167738
9348-1	C1RL	36.16	0.00167853
6415-90	CPN2	36.16	0.00167857
12484-67	PITPNB	36.15	0.00167903
8000-17	KIR2DL5A	36.15	0.00167953
11193-27	HNF1A	36.15	0.00167957
9486-13	DEFB125	36.15	0.00168001
4471-50	TGM3	36.15	0.00168009
8768-4	BCL10	36.15	0.00168032
12619-14	PPM1A	36.15	0.00168057
5459-33	CST1	36.15	0.00168068
12415-122	EDF1	36.15	0.00168081
11567-23	ZNF10	36.15	0.00168117
5629-58	KLRC1	36.15	0.00168154
12738-43	NISCH	36.15	0.00168171
14689-3	SEC13	36.15	0.00168173
13449-25	SF3B4	36.15	0.00168194
5229-90	IMPDH1	36.15	0.00168234
13578-98	ABLIM3	36.15	0.0016824
6930-95	ST8SIA6	36.15	0.00168324
5106-52	NOTCH2	36.15	0.00168349
5009-11	MSN	36.15	0.00168357
8044-90	XG	36.15	0.00168385
12424-107	THYN1	36.15	0.00168385
8391-12	DEFB115	36.15	0.00168429
2578-67	CCL2	36.14	0.00168468
12821-6	NLRP10	36.14	0.00168606
13634-209	PIR	36.14	0.00168607
12763-69	ZNF334	36.14	0.00168617
4125-52	AGER	36.14	0.00168636
9723-105	MMRN2	36.14	0.00168662

10435-2	AGA	36.14	0.00168766
7156-2	FUT10	36.14	0.00168766
4481-34	C4A C4B	36.14	0.00168788
3313-21	FCN2	36.14	0.00168871
9956-7	ADAM15	36.14	0.00168897
8315-5	DEFB119	36.14	0.00168904
13515-8	RPRD1A	36.14	0.00168934
3521-16	CGA TSHB	36.14	0.00168948
7118-24	IGDCC3	36.14	0.0016897
6986-17	HS3ST3B1	36.14	0.00169002
14128-121	IFNA10	36.14	0.00169008
3622-33	LGMN	36.13	0.00169095
9057-19	ADRM1	36.13	0.00169126
4318-12	PTPN6	36.13	0.00169134
3314-74	GFRA1	36.13	0.00169139
8897-3	LRRC37A2	36.13	0.00169178
11145-72	KIAA1549L	36.13	0.00169202
3480-7	DUSP3	36.13	0.0016926
11361-73	TYMP	36.13	0.0016926
7228-2	ST6GALNAC6	36.13	0.00169287
8032-23	MCCD1	36.13	0.0016929
3143-3	CD4	36.13	0.00169297
5178-5	PDE7A	36.13	0.00169317
5383-14	TNFRSF13C	36.13	0.00169342
9579-59	PRRG4	36.13	0.00169392
13101-60	SOST	36.13	0.00169393
2773-50	IL10	36.13	0.00169397
6470-19	FBLN1	36.13	0.00169426
5350-14	GPC6	36.13	0.00169428
3896-5	PGAM1	36.13	0.00169429
3685-53	MFRP	36.13	0.001695
10440-26	CLMP	36.13	0.00169567
8011-96	ACP7	36.13	0.00169574
12644-63	ADSS2	36.12	0.00169597
8858-21	BATF3	36.12	0.00169644
9219-70	NENF	36.12	0.00169657

2634-2	IL2RG	36.12	0.00169675
9170-24	IL17A	36.12	0.0016972
2953-31	CGA LHB	36.12	0.00169744
2943-5	CYP3A4	36.12	0.00169833
13517-3	PTCHD3	36.12	0.00169858
11107-25	TENM3	36.12	0.00169881
11563-51	SYTL4	36.12	0.00169961
6975-52	SNAPIN	36.12	0.00169983
2753-2	C1QA C1QB C1QC	36.12	0.00169994
12846-3	FBXL5	36.12	0.00169996
7206-20	FBP1	36.12	0.00170021
13083-18	VAR51	36.12	0.00170044
8400-74	GRP	36.12	0.00170055
13609-11	GTF2I	36.12	0.00170066
6454-38	ARHGDIA	36.12	0.00170086
7258-5	PRG2	36.12	0.00170087
8748-45	CD74	36.12	0.00170127
13464-8	NRAC	36.12	0.00170133
12683-156	DPYSL5	36.12	0.00170144
11405-150	CARD9	36.11	0.00170155
8950-4	CLCA2	36.11	0.00170162
5590-11	ZPLD1	36.11	0.00170162
9306-7	DEFB118	36.11	0.0017017
8364-74	UST	36.11	0.00170175
9125-23	MASP1	36.11	0.00170211
12030-82	DES	36.11	0.00170216
4280-47	PSMA2	36.11	0.00170225
9932-49	SEMA4F	36.11	0.00170255
7932-23	SYT8	36.11	0.00170262
13465-5	RCAN1	36.11	0.00170273
8927-6	None	36.11	0.00170312
7803-4	CHST1	36.11	0.00170325
13066-42	EDC4	36.11	0.00170345
6362-6	ECRG4	36.11	0.0017035
2731-29	POR	36.11	0.00170371
12518-289	PBRM1	36.11	0.00170373

2977-7	EDAR	36.11	0.00170428
5660-51	SOD3	36.11	0.00170454
5724-58	SBSN	36.11	0.00170464
8080-24	MSMP	36.11	0.00170466
12457-10	ADI1	36.11	0.00170476
3343-1	ACY1	36.11	0.00170501
8955-60	GLT8D1	36.11	0.00170513
14012-17	DHX58	36.11	0.00170524
12748-6	BRDT	36.11	0.00170538
7147-35	WFDC8	36.11	0.00170544
7827-20	ADAM32	36.11	0.00170554
5742-14	ACP6	36.11	0.00170554
10015-119	KCNAB2	36.11	0.00170581
9847-21	TGIF2	36.11	0.0017061
5837-49	LIFR	36.11	0.00170616
4960-72	ANXA1	36.11	0.00170616
12707-26	DPYSL3	36.11	0.00170647
6433-57	FAM20A	36.11	0.0017066
8878-48	YTHDC1	36.10	0.00170726
10760-107	GRIA4	36.10	0.00170746
12399-194	CCDC50	36.10	0.00170767
8070-88	DLG4	36.10	0.00170841
14334-3	RCVRN	36.10	0.00170974
5019-16	UCHL1	36.10	0.00170982
5355-69	TNFSF14	36.10	0.00171018
12363-70	TRIB2	36.10	0.00171037
7231-37	TMPRSS11A	36.10	0.00171039
13738-8	INHBA	36.10	0.00171043
10833-64	HHIP	36.10	0.00171058
12014-19	PTS	36.10	0.00171061
4359-87	DYRK3	36.10	0.00171071
6230-56	CER1	36.09	0.00171288
4133-54	GZMB	36.09	0.00171317
6421-52	IFNA16	36.09	0.0017134
3504-58	HAMP	36.09	0.00171342
12825-18	APPL1	36.09	0.00171374

2806-49	ACVR1B	36.09	0.00171392
10643-16	OLFM3	36.09	0.00171403
9213-24	FTCD	36.09	0.00171414
9859-180	SAT1	36.09	0.00171422
9926-4	S100P	36.09	0.0017143
9544-24	C7orf69	36.09	0.00171486
5617-41	NPFF	36.09	0.00171512
6909-40	MGAT2	36.09	0.00171578
8048-9	FTMT	36.09	0.0017158
13540-1	GPR26	36.09	0.00171589
9074-6	FAXDC2	36.09	0.00171594
12428-2	LYPLAL1	36.09	0.00171677
3420-21	CA13	36.09	0.00171737
3431-54	EPHA1	36.09	0.00171822
5093-47	JAG2	36.08	0.00171872
14079-14	IL18R1	36.08	0.00171883
13973-62	TTL	36.08	0.00171912
6927-7	NDST1	36.08	0.00171931
12394-53	C16orf54	36.08	0.00171951
12700-9	ACLY	36.08	0.00171986
12695-62	KLHL12	36.08	0.00172015
7161-25	H6PD	36.08	0.00172047
3875-62	ARID3A	36.08	0.0017207
12730-3	NDC80	36.08	0.00172124
8837-8	MFAP3L	36.08	0.00172127
12361-102	RRAS2	36.08	0.00172141
6551-94	SERPINA12	36.08	0.00172151
13740-51	FRZB	36.08	0.00172152
7881-244	PARP16	36.08	0.00172159
12347-29	CCM2	36.08	0.00172209
12716-3	ZNF175	36.08	0.00172219
5061-27	ICOSLG	36.08	0.00172265
3091-70	AURKA	36.08	0.00172287
4547-59	FLRT1	36.08	0.00172314
14009-65	TNFAIP3	36.08	0.00172331
3898-5	PSMD7	36.08	0.00172397

14283-12	RAB14	36.08	0.00172404
10832-24	B4GALT6	36.08	0.00172408
4807-13	COL8A1	36.07	0.00172439
3400-49	TBK1	36.07	0.00172509
5015-15	PLA2G7	36.07	0.00172524
5017-19	PRDX5	36.07	0.00172536
12732-13	MPP7	36.07	0.00172542
2991-9	IL1R1	36.07	0.00172551
5349-69	DLL1	36.07	0.00172601
4187-49	PGD	36.07	0.00172607
9873-17	ESRRA	36.07	0.00172608
8102-239	RHEX	36.07	0.00172622
6168-11	TP53	36.07	0.00172639
5108-72	NOTCH3	36.07	0.00172663
14144-3	H2AW	36.07	0.00172666
6550-4	ICAM4	36.07	0.00172694
9582-93	SUSD1	36.07	0.00172757
9495-10	CXCL17	36.07	0.00172762
8659-68	MPIG6B	36.07	0.00172766
13476-16	KIN	36.07	0.00172783
10748-216	PCDHB2	36.07	0.00172794
5230-99	HMGCR	36.07	0.00172803
8766-29	LILRA5	36.07	0.00172906
5639-49	NETO1	36.07	0.00172938
12871-10	TWF1	36.07	0.00172955
9583-17	RNF24	36.06	0.00173028
3055-54	IL4R	36.06	0.00173045
8869-5	BTN2A1	36.06	0.00173077
8485-7	KEAP1	36.06	0.00173086
3627-71	MMEL1	36.06	0.00173181
13492-44	HSPA9	36.06	0.00173213
9981-18	FAM234B	36.06	0.00173225
8076-4	SPACA3	36.06	0.00173285
12688-115	RPS6KA6	36.06	0.00173343
14708-59	C8G	36.06	0.00173438
8756-41	KCNE5	36.06	0.00173444

12581-39	IMPA2	36.06	0.00173459
2500-2	ANGPT4	36.06	0.00173472
10695-12	WFDC10B	36.06	0.00173554
11429-80	HNRNPC	36.06	0.00173568
4237-70	LCMT1	36.05	0.00173639
12452-32	KMT5C	36.05	0.00173698
2741-22	SIGLEC6	36.05	0.00173721
8635-283	ZPBP	36.05	0.00173724
2789-26	MMP7	36.05	0.00173725
9753-17	EZR	36.05	0.0017373
10990-21	LRRK2	36.05	0.0017376
12872-35	CNGA2	36.05	0.00173777
8014-359	MANEA	36.05	0.00173786
9870-17	WARS1	36.05	0.00173814
7864-3	SIGLEC8	36.05	0.00173861
8587-21	SPINK14	36.05	0.00173875
9848-22	CCNH	36.05	0.00173885
7959-34	CDH7	36.05	0.00173885
4122-12	DDR1	36.05	0.00173915
8467-9	INHBA INHBB	36.05	0.00173928
11825-27	PPARGC1A	36.05	0.00173947
2853-68	CHEK1	36.05	0.0017396
2781-63	CCL4L1	36.05	0.00174001
4146-58	NTF4	36.05	0.00174011
2431-17	CTSG	36.05	0.00174022
9457-3	CAV2	36.05	0.00174054
13553-4	DCUN1D3	36.05	0.00174072
2468-62	CCL20	36.05	0.00174078
7157-22	PCDHA4	36.05	0.00174097
14029-42	COPS2	36.05	0.00174148
12365-108	RUUBL1	36.05	0.00174152
5412-53	CD27	36.04	0.00174282
6456-17	PSG6	36.04	0.00174298
14705-1	VEGFD	36.04	0.0017432
5927-4	CCN6	36.04	0.00174322
3879-50	CDC37	36.04	0.0017433

4548-4	FUT3	36.04	0.0017435
9243-10	LYG1	36.04	0.0017436
6441-62	ADAMTS6	36.04	0.00174371
12618-50	AKR1C1	36.04	0.0017438
10975-59	MUCL1	36.04	0.00174387
12488-9	MCTS1	36.04	0.00174401
10752-8	CDYL2	36.04	0.00174409
7016-12	GCNT1	36.04	0.00174425
3305-6	DLL4	36.04	0.00174511
8106-15	SSR1	36.04	0.00174542
8948-13	ADAM19	36.04	0.00174561
12578-13	ARF3	36.04	0.00174563
9095-5	MTFR1	36.04	0.0017467
8067-21	KCNE3	36.04	0.00174702
8399-6	STK17B	36.04	0.00174706
9005-16	PLXNA1	36.03	0.00174756
3795-6	ADAM9	36.03	0.00174758
5261-13	ABL2	36.03	0.00174807
3620-67	IL22RA1	36.03	0.00174838
7132-55	C1QL4	36.03	0.00174858
10616-67	PODXL2	36.03	0.00174863
12605-1	EXOSC3	36.03	0.00174891
11112-18	TMEM167A	36.03	0.00174898
10074-128	BRD2	36.03	0.00174904
3081-70	ULBP1	36.03	0.0017491
4553-65	HDGFL2	36.03	0.00174911
3000-66	MBL2	36.03	0.00174918
7878-2	SEC61B	36.03	0.00174933
5726-49	SPAG11A	36.03	0.00174937
11270-17	CHCHD10	36.03	0.00174938
9350-3	FSTL4	36.03	0.00174939
4703-87	LTA	36.03	0.00174941
7201-5	ISCU	36.03	0.00174941
9058-1	TIMM21	36.03	0.00174967
3835-11	TLR2	36.03	0.00174976
8863-3	PIK3R1	36.03	0.00174977

12329-21	RPS6KA1	36.03	0.00175095
9887-40	RBBP6	36.03	0.00175098
6593-5	GALNT3	36.03	0.00175128
3174-2	ADAMTS1	36.03	0.00175145
8933-84	MEF2C	36.03	0.00175188
11160-56	RNF122	36.03	0.00175216
8845-2	ADAMTS3	36.03	0.00175222
10339-48	ENO2	36.03	0.00175233
12509-115	COMMD1	36.03	0.00175266
9849-13	APEX1	36.03	0.00175272
4453-83	LRRTM3	36.03	0.00175284
3022-4	CTLA4	36.03	0.00175289
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3005-5	PTPN1	36.02	0.00175331
11134-30	MTRF1L	36.02	0.00175337
8833-20	TNFSF10	36.02	0.00175339
7945-10	SEMA6A	36.02	0.00175373
6281-51	ST3GAL2	36.02	0.00175375
4906-35	F5	36.02	0.00175389
10953-14	CLEC2A	36.02	0.00175399
10003-15	ZNF41	36.02	0.00175423
11320-29	CHFR	36.02	0.00175475
13682-47	CSF1R	36.02	0.00175488
2985-35	CXCL1	36.02	0.0017557
8309-12	HYAL1	36.02	0.00175571
8791-151	CA5A	36.02	0.00175571
7183-102	ANGPTL8	36.02	0.00175609
12577-100	FEN1	36.02	0.00175622
4801-13	LPO	36.02	0.00175644
11297-54	NOTCH2	36.02	0.00175682
2567-5	CFI	36.02	0.00175695
3359-11	CDK8 CCNC	36.02	0.00175701
6380-23	MRPL58	36.02	0.00175725
13996-16	PPCDC	36.02	0.00175745
4429-51	CHST6	36.02	0.00175746
4562-1	NXPH1	36.02	0.00175759

11162-37	EQTN	36.02	0.00175803
4157-2	F2	36.02	0.00175805
8905-20	KCNMB3	36.02	0.00175836
3357-67	CDK2 CCNA2	36.02	0.00175841
8336-267	GRAMD1C	36.02	0.00175848
11293-14	LRRN1	36.02	0.00175865
8687-26	TMEM106B	36.01	0.00175915
2805-6	ACE2	36.01	0.00175938
5204-13	PSME3	36.01	0.00175958
6899-37	PCBD2	36.01	0.0017605
9017-58	LCT	36.01	0.001761
10798-4	CD300E	36.01	0.00176102
13459-30	TOR4A	36.01	0.00176115
6649-51	NTN1	36.01	0.00176127
9449-150	C4BPA	36.01	0.0017613
4136-40	IL17D	36.01	0.00176136
8310-6	ZG16B	36.01	0.00176177
3078-1	PGF	36.01	0.00176256
3284-75	BGN	36.01	0.00176305
11126-102	TRIO	36.01	0.00176359
12368-18	KAT2B	36.01	0.00176364
11481-25	HAVCR2	36.01	0.00176399
11570-94	BCAP29	36.01	0.0017641
7082-2	B3GNT6	36.01	0.00176456
10704-91	IRAG2	36.00	0.00176526
5740-17	ROBO1	36.00	0.00176534
4137-57	IL25	36.00	0.00176551
12001-7	TJP1	36.00	0.00176567
12486-8	GLRX2	36.00	0.00176599
11657-86	SOCS7	36.00	0.00176641
9557-5	MANSC1	36.00	0.00176704
12753-6	APBB2	36.00	0.0017676
11168-3	MEGF10	36.00	0.00176813
13229-20	MDM4	36.00	0.00176821
13027-20	CBX7	36.00	0.0017683
13429-3	WFDC10A	36.00	0.00176844

6974-6	CD74	36.00	0.00176853
5807-77	CD70	36.00	0.00176865
10835-25	A4GNT	36.00	0.00176875
12653-13	CSNK1G2	36.00	0.00176897
5601-2	PGLYRP2	36.00	0.00176906
3516-60	CXCL12	36.00	0.00176937
2987-37	H1-2	36.00	0.00176945
4914-10	CGA CGB3 CGB7	36.00	0.00176997
13519-112	ARHGEF25	36.00	0.00177004
12560-9	NT5C	36.00	0.00177011
3809-1	FGFR3	35.99	0.0017708
8237-56	SOSTDC1	35.99	0.00177092
12438-127	MPG	35.99	0.00177104
12625-138	KLHL7	35.99	0.00177105
8003-57	LGI3	35.99	0.00177129
7223-60	S100A13	35.99	0.00177179
4276-10	PEBP1	35.99	0.00177198
5598-3	GREM2	35.99	0.00177218
10961-15	PLAAT4	35.99	0.00177273
14175-78	SCP2D1	35.99	0.0017729
5246-64	PDE2A	35.99	0.00177332
11377-19	ADH7	35.99	0.00177343
13502-2	SLC26A11	35.99	0.00177374
3341-33	ABL1	35.99	0.00177387
3323-37	LRP8	35.99	0.0017739
5004-69	MAPK11	35.99	0.00177462
9363-11	CT55	35.99	0.00177526
13692-154	CCN4	35.99	0.00177535
4718-5	PPIB	35.99	0.00177542
12923-51	KRT17	35.99	0.00177546
7944-1	KIR3DL3	35.99	0.00177577
13514-121	RAB35	35.99	0.00177597
13729-26	SFXN5	35.99	0.00177636
4342-10	ICAM1	35.99	0.00177646
8265-225	TMPO	35.99	0.00177648
4123-60	FGF4	35.99	0.00177659

9267-2	CPA4	35.98	0.00177667
7108-7	SMIM24	35.98	0.00177677
13111-79	BCL6	35.98	0.00177709
9253-52	ABO	35.98	0.00177715
7797-11	CCDC167	35.98	0.00177811
5110-84	NRXN1	35.98	0.00177841
7242-14	VSTM4	35.98	0.00177927
12808-103	CARHSP1	35.98	0.00177937
6228-58	SPACA1	35.98	0.00177951
6368-9	CSTL1	35.98	0.00177954
7245-2	CELF2	35.98	0.00177974
3708-62	A2M	35.98	0.00177979
3175-51	ADAMTS13	35.98	0.0017798
7266-4	SERPINA9	35.98	0.00178031
4560-34	LCK	35.98	0.00178036
12022-12	SMAD4	35.98	0.00178138
10344-334	IL10RA	35.98	0.00178214
11571-75	KLRC3	35.98	0.00178237
11837-7	TNFRSF18	35.97	0.00178282
4862-63	BMPR2	35.97	0.00178352
10708-3	GNRH2	35.97	0.0017836
5988-49	TNFSF14	35.97	0.00178371
4396-54	IFNL1	35.97	0.00178388
5014-49	NCK1	35.97	0.00178404
8882-1	ADAM17	35.97	0.00178409
8529-1	TNFRSF10B	35.97	0.00178421
6447-73	PTX3	35.97	0.00178423
11284-24	LAIR1	35.97	0.00178438
13694-24	CRLF2	35.97	0.00178496
3329-14	PGLYRP1	35.97	0.00178508
8994-65	SLAMF8	35.97	0.00178515
8803-61	NECTIN1	35.97	0.00178548
5063-12	CD244	35.97	0.00178558
12401-3	STAMBPL1	35.97	0.0017861
6359-50	POMGNT2	35.97	0.0017861
12881-17	RDH16	35.97	0.00178611

6267-51	STMN4	35.97	0.00178613
5020-50	PGK1.00	35.97	0.00178631
4832-75	TNFRSF10A	35.97	0.00178652
5744-12	MENT	35.97	0.00178662
11214-40	DNAJB9	35.97	0.00178676
2890-59	CCL28	35.97	0.00178683
14331-262	DYNLT1	35.97	0.00178702
8221-19	MIF	35.97	0.00178739
5882-34	EEF1B2	35.97	0.00178765
4545-53	DNAJC19	35.97	0.00178793
7986-98	NAALAD2	35.97	0.00178815
14021-81	MED4	35.96	0.00178853
12551-3	ITCH	35.96	0.00178876
12453-161	NXF1	35.96	0.0017888
12463-7	KLHL13	35.96	0.00178911
14192-31	PDCL2	35.96	0.00178934
8804-39	COL20A1	35.96	0.00178987
13697-51	GPD1	35.96	0.00178993
7846-44	PSG11	35.96	0.00178995
9016-12	NR1H2	35.96	0.00179008
7916-10	S100A7	35.96	0.00179019
8248-222	SIGLEC14	35.96	0.00179025
9918-23	CALB1	35.96	0.00179028
3336-50	TFPI	35.96	0.00179032
6039-24	CRHBP	35.96	0.00179048
5822-22	GNDF	35.96	0.00179056
12462-20	SETMAR	35.96	0.00179067
7934-11	NDRG4	35.96	0.00179097
3807-1	FGF23	35.96	0.00179109
12033-3	BUB1	35.96	0.00179121
10546-2	TSPEAR	35.96	0.00179124
7203-125	RFNG	35.96	0.00179184
7189-55	CHST3	35.96	0.00179187
10073-22	TDP1	35.96	0.00179206
13931-22	PSMD9	35.96	0.00179211
3052-8	FASLG	35.96	0.00179213

14229-5	MOCS3		35.96	0.00179214
5465-32	HS6ST1		35.96	0.00179217
8261-51	STOM		35.96	0.00179276
9002-36	SERPINA11		35.96	0.00179333
6653-58	CD47		35.96	0.00179336
3391-10	PIK3CG		35.96	0.00179356
10842-7	GCNT4		35.96	0.00179359
6912-6	MICU3		35.96	0.00179363
6069-71	SUMF2		35.96	0.00179398
14005-2	CHD7		35.96	0.00179401
9276-7	CPA2		35.96	0.00179403
12433-8		ARL11.00	35.96	0.00179416
8272-22	HSD17B7		35.96	0.00179421
6622-90	APLN		35.95	0.00179446
11116-16	C11orf87		35.95	0.00179457
13473-55	ITPKA		35.95	0.00179478
7071-23	MAN1B1		35.95	0.00179487
3629-60	CDC42BPB		35.95	0.00179504
12490-92	LAMTOR3		35.95	0.00179524
13486-9	PKD2		35.95	0.00179547
6416-8	GKN2		35.95	0.00179598
2622-18	HMOX2		35.95	0.00179603
6606-61	KISS1		35.95	0.00179611
7740-33	FATE1		35.95	0.00179668
12528-40	WRNIP1		35.95	0.00179716
3029-52	CD209		35.95	0.00179726
8372-29	CDHR1		35.95	0.00179871
12670-15	RAD1		35.95	0.00179876
11708-2	LCN1		35.95	0.00179898
12991-49	CUL9		35.95	0.0017994
9884-8	PPIL1		35.95	0.00179972
3617-80	HGFAC		35.95	0.00179983
6283-60	MCEMP1		35.95	0.00179986
9310-2	CD8B		35.95	0.00180026
12751-26	ZHX1		35.94	0.00180044
9117-4	IL36G		35.94	0.00180048

3321-2	IL24	35.94	0.00180055
8795-48	TFRC	35.94	0.00180066
3179-51	CTSA	35.94	0.00180089
4543-65	COL23A1	35.94	0.00180097
9772-153	NLGN2	35.94	0.00180107
3800-71	CKB	35.94	0.00180116
9609-25	ZNF275	35.94	0.00180145
12626-6	SENP7	35.94	0.00180152
7892-132	FAM234B	35.94	0.00180164
11096-57	N6AMT1	35.94	0.0018017
4328-2	BOC	35.94	0.00180174
7995-16	None	35.94	0.00180185
14158-17	ANXA5	35.94	0.00180187
8877-22	EVA1C	35.94	0.001802
13228-75	MDM2	35.94	0.00180205
9800-20	NDUFB8	35.94	0.00180205
13042-7	KCNA10	35.94	0.00180214
10613-33	GOLM2	35.94	0.00180226
3397-7	PTPN11	35.94	0.00180228
9369-174	LRRC4C	35.94	0.00180231
6911-103	CLEC6A	35.94	0.00180237
2979-8	CXCL5	35.94	0.00180247
8053-16	DNAJB14	35.94	0.0018026
12636-113	SMYD2	35.94	0.00180274
9297-12	B3GNT8	35.94	0.00180308
5743-82	CARTPT	35.94	0.00180315
9110-2	SYT17	35.94	0.00180337
9114-84	UMODL1	35.94	0.00180352
8325-37	ADH4	35.94	0.00180382
7066-199	FAM209B	35.94	0.00180408
12557-18	NOVA1	35.94	0.0018046
3538-26	DDC	35.94	0.0018051
6354-13	HEPHL1	35.94	0.00180531
13655-34	NCL	35.94	0.00180558
13549-15	ADAM29	35.94	0.00180568
6520-87	MGP	35.94	0.00180575

12458-79	CHP1	35.94	0.00180587
9196-8	LGALS7	35.94	0.001806
3206-4	LYVE1	35.93	0.00180662
11348-132	P4HA2	35.93	0.00180677
2441-2	FGF10	35.93	0.00180689
5100-53	SCARB2	35.93	0.00180699
2835-1	XRCC6	35.93	0.001807
10001-7	RAF1	35.93	0.00180702
4979-34	DPT	35.93	0.00180703
13689-2	ODC1	35.93	0.00180706
13700-10	ANXA2	35.93	0.0018074
12709-63	H1-10	35.93	0.00180744
12849-25	GSKIP	35.93	0.00180759
8839-4	MTX2	35.93	0.00180765
9022-49	DEFB132	35.93	0.00180774
12726-3	RFXAP	35.93	0.00180784
13513-174	PIAS3	35.93	0.00180824
7148-42	ANTKMT	35.93	0.00180837
8275-31	PEAR1	35.93	0.00180851
3077-66	F10	35.93	0.00180861
12980-31	RBM22	35.93	0.00180902
13421-17	TMEM167B	35.93	0.00180946
8274-64	STX7	35.93	0.00180955
8870-38	NPM1	35.93	0.0018097
10086-39	CBS	35.93	0.00181041
7050-5	NEGR1	35.93	0.00181051
9183-7	IFNAR1	35.93	0.00181173
11279-42	GABBR1	35.93	0.00181183
8060-7	NRG2	35.93	0.00181188
9215-117	USP25	35.93	0.00181201
14099-20	PSMA4	35.93	0.00181222
11129-66	BMP15	35.93	0.00181223
12531-5	ERVV-1	35.93	0.00181229
10885-36	C6orf89	35.92	0.00181254
9012-1	PRPF6	35.92	0.00181328
13529-39	NAP1L2	35.92	0.00181357

9606-4	NUP210L	35.92	0.00181359
12616-45	NRBP1	35.92	0.00181364
9068-17	JAKMIP3	35.92	0.00181388
10432-3	SHISAL1	35.92	0.00181442
5611-56	DEFB108B	35.92	0.00181446
9319-59	TMED4	35.92	0.00181453
5280-68	SLC25A18	35.92	0.00181456
12655-30	NAPB	35.92	0.00181485
11614-29	ERH	35.92	0.00181499
4469-78	CHST15	35.92	0.001815
3189-61	TMPRSS15	35.92	0.00181501
3186-2	C2	35.92	0.00181511
8700-325	GALNT11	35.92	0.00181519
5337-64	CD86	35.92	0.00181519
10000-28	CRYBB2	35.92	0.00181554
3401-8	PTPN2	35.92	0.00181569
11105-171	ENO1	35.92	0.00181579
7821-6	C1D	35.92	0.00181595
13536-56	POLI	35.92	0.00181619
5005-4	MAPK12	35.92	0.00181664
11311-79	RAG1	35.92	0.00181671
5801-72	NGF	35.92	0.00181673
9187-2	HMGN1	35.92	0.00181691
12826-5	SLC5A5	35.92	0.00181705
9947-22	TOPBP1	35.92	0.00181722
11177-16	KRT5	35.92	0.00181767
9032-30	ROS1	35.92	0.00181781
10583-1	TMEM108	35.92	0.0018179
4467-49	SPARCL1	35.92	0.00181798
8759-29	A4GALT	35.92	0.00181798
11208-15	NAGPA	35.92	0.00181828
14614-41	NCMAP	35.91	0.00181858
13534-20	MYOM2	35.91	0.00181897
11422-2	DLX3	35.91	0.00181898
2615-60	EFNA5	35.91	0.00181899
6526-77	OBP2A	35.91	0.00181899

2755-8	C3	35.91	0.00181971
13496-19	HMGCS1	35.91	0.00181975
3026-5	CAST	35.91	0.00181991
9842-2	CTNNB1	35.91	0.00182002
2975-19	CCN2	35.91	0.00182038
14206-28	APBB1	35.91	0.00182039
8382-47	MAPKAPK5	35.91	0.00182043
7127-3	APOA2	35.91	0.00182087
13599-15	RABEPK	35.91	0.00182106
5096-51	KIR3DL2	35.91	0.00182119
4394-71	FGF8	35.91	0.00182142
8772-5	EFNB2	35.91	0.00182154
7818-101	GBP6	35.91	0.00182155
4234-8	IL1RL1	35.91	0.00182216
9853-3	IFIT2	35.91	0.00182236
13651-54	ZFP91	35.91	0.00182243
5076-53	EPHA10	35.91	0.00182261
5583-62	RYK	35.91	0.00182262
10916-44	PLA2R1	35.91	0.00182263
3007-7	SIGLEC9	35.91	0.00182274
14129-1	IFNA7	35.91	0.00182339
13056-18	SLC6A16	35.91	0.00182343
9340-17	FKBP14	35.91	0.0018236
9747-48	MARK3	35.91	0.00182385
7054-87	CLEC2D	35.91	0.00182399
9933-49	ATP1B4	35.91	0.00182405
8303-102	MYG1	35.90	0.0018247
12501-10	TBCA	35.90	0.00182472
13422-66	ENOX2	35.90	0.00182476
10572-65	CST8	35.90	0.00182484
4455-89	MFGE8	35.90	0.00182485
3853-56	MDH1	35.90	0.00182486
5957-30	SST	35.90	0.00182501
9598-23	CSMD1	35.90	0.00182508
7851-30	ANKRD46	35.90	0.00182518
7792-58	CCDC90B	35.90	0.00182526

4712-28	APOD	35.90	0.00182543
9092-33	ANGPTL1	35.90	0.00182552
8243-55	SPINK1	35.90	0.00182566
9543-131	COG8	35.90	0.00182615
11281-6	GRB7	35.90	0.00182636
8318-13	SPRED1	35.90	0.00182642
8867-18	PAEP	35.90	0.00182649
2879-9	SERPINA3	35.90	0.00182659
3447-64	CXCL8	35.90	0.00182679
9398-30	GALP	35.90	0.00182683
5264-65	CALR	35.90	0.00182704
6594-64	SAYS1	35.90	0.00182712
14687-6	PLIN3	35.90	0.00182717
7097-8	CDY1	35.90	0.00182729
5102-55	MICB	35.90	0.00182733
11431-235	RECQL	35.90	0.00182748
8231-122	FLT1	35.90	0.00182778
14048-7	IL1RAP	35.90	0.00182787
3202-28	KREMEN2	35.90	0.00182795
7928-183	TPST1	35.90	0.00182821
3060-43	C9	35.90	0.00182847
9231-23	BPNT2	35.90	0.00182906
9794-17	COQ8B	35.90	0.00182947
9830-109	VAV3	35.90	0.00182951
13580-2	UAP1	35.90	0.00182964
13541-1	MYCT1	35.90	0.00183007
11654-77	NRSN1	35.90	0.00183034
11667-29	TNS2	35.89	0.00183082
12529-32	FKBP6	35.89	0.00183087
7020-13	CHST5	35.89	0.00183103
13642-90	IFIT3	35.89	0.00183144
6544-33	NELL1	35.89	0.00183163
12698-72	KPNA4	35.89	0.00183208
14226-120	BHMT2	35.89	0.00183228
6997-32	RAB26	35.89	0.00183247
13113-7	SPP1	35.89	0.00183256

13983-27	CRYZ	35.89	0.00183256
9121-28	FUT2	35.89	0.00183294
5599-88	PCYOX1L	35.89	0.00183323
3222-11	SEMA3A	35.89	0.0018334
10848-137	BTNL3	35.89	0.00183347
13107-9	LYPD3	35.89	0.00183379
2706-69	SERPINA7	35.89	0.00183383
10551-7	LAT	35.89	0.00183387
9829-91	SULT2A1	35.89	0.00183409
11969-5	S100A2	35.89	0.00183414
8606-39	GPNUMB	35.89	0.00183431
10582-36	POMK	35.89	0.00183451
10011-65	OCRL	35.89	0.00183516
12461-8	SIRT5	35.89	0.00183534
7059-14	LILRA6	35.89	0.00183537
13439-6	IQCF3	35.89	0.00183563
4314-12	DCTPP1	35.89	0.00183567
10024-44	HOGA1	35.89	0.00183609
7191-32	SLMAP	35.89	0.0018362
12743-18	BAG5	35.88	0.00183671
7790-21	LIF	35.88	0.00183682
9212-22	CTSF	35.88	0.00183682
11682-7	TXNIP	35.88	0.00183698
7247-1	GORAB	35.88	0.001837
3294-55	CFC1	35.88	0.0018373
7130-4	LAIR2	35.88	0.00183735
12515-45	UCK2	35.88	0.00183743
9368-64	LRTM1	35.88	0.00183768
8008-28	HRK	35.88	0.00183773
9532-5	WBP1L	35.88	0.00183778
7853-19	SCO1	35.88	0.0018379
3520-58	TGFB3	35.88	0.00183791
12524-18	SAT2	35.88	0.00183798
11677-17	ZDHHC14	35.88	0.00183812
8081-55	PLD5	35.88	0.0018385
7769-29	SH3BP2	35.88	0.00183864

9028-5	MTPAP	35.88	0.0018387
11192-168	TINAGL1	35.88	0.00183881
9039-47	TOR1AIP1	35.88	0.00183885
3332-57	HJV	35.88	0.00183897
9536-16	EDDM3A	35.88	0.00183897
9506-10	APOL1	35.88	0.00183913
13511-29	SATB1	35.88	0.00183913
13978-122	TBX3	35.88	0.00183922
13116-25	CD177	35.88	0.00183957
9490-3	FAM241A	35.88	0.0018403
3797-1	CDH2	35.88	0.001841
4771-10	SMPDL3A	35.88	0.00184121
7968-15	CRTAM	35.88	0.00184165
4925-54	MMP13	35.88	0.00184185
8989-40	SCUBE1	35.88	0.00184199
9837-60	NQO1	35.88	0.00184202
4493-92	IL11	35.88	0.00184202
11275-94	LRP1B	35.88	0.00184213
5754-76	INSL6	35.88	0.00184259
13698-28	KIAA0319L	35.88	0.00184269
10693-43	KLRG2	35.87	0.00184281
4535-50	BST1	35.87	0.00184305
11149-3	TLR1	35.87	0.00184333
12764-3	ELMO1	35.87	0.00184346
12957-62	UQCRB	35.87	0.00184359
8931-124	G0S2	35.87	0.00184375
12386-11	RNPEP	35.87	0.0018439
7967-38	POTEM	35.87	0.00184395
11425-31	RUFY1	35.87	0.0018444
13556-28	HTR2A	35.87	0.00184455
12904-180	CUBN	35.87	0.00184456
3309-2	FCGR2A	35.87	0.00184463
11110-4	TMEM119	35.87	0.00184533
12976-49	SORBS3	35.87	0.00184544
5963-9	DMKN	35.87	0.00184566
14066-49	MAGI2	35.87	0.00184613

7173-141	TMEM132C	35.87	0.00184643
5352-11	TNFRSF14	35.87	0.00184667
7765-15	ITM2A	35.87	0.00184674
3069-52	IGHM	35.87	0.00184682
12760-34	ZNF774	35.87	0.00184844
10022-207	POLH	35.87	0.0018488
11334-7	LILRB3	35.86	0.00184911
3805-16	ESM1	35.86	0.00184946
10981-56	NRG3	35.86	0.00184979
3440-7	GZMA	35.86	0.0018498
8334-65	TCP11	35.86	0.00184998
8355-80	None	35.86	0.00185027
2619-72	TACSTD2	35.86	0.0018504
11167-6	MTMR1	35.86	0.00185064
9832-33	HGD	35.86	0.00185087
9402-18	DCBLD1	35.86	0.00185112
12034-28	CAP1	35.86	0.00185115
3394-81	PLK1	35.86	0.00185122
3494-71	FGF17	35.86	0.00185125
7003-4	GALNT10	35.86	0.00185176
12987-12	SRSF7	35.86	0.00185179
2505-49	GFRA3	35.86	0.00185212
11283-13	DCAF5	35.86	0.00185246
9102-28	ZFYVE27	35.86	0.00185263
3415-61	IBSP	35.86	0.00185343
9278-9	CXCL12	35.86	0.00185354
5763-67	DEFB104A	35.86	0.00185387
11468-15	RBM19	35.86	0.00185398
12391-27	PDZD7	35.86	0.00185421
9578-263	MANSC4	35.86	0.00185426
8017-23	FOXRED1	35.86	0.00185485
2973-15	CD36	35.85	0.00185511
12483-62	RORB	35.85	0.001856
8660-5	OLFML3	35.85	0.00185604
9385-4	GAA	35.85	0.00185643
5713-9	IFNL3	35.85	0.00185704

8004-15	GAPDHS	35.85	0.00185799
3773-15	TEK	35.85	0.00185803
14132-21	HHLA2	35.85	0.0018582
2972-57	BMP7	35.85	0.00185827
7784-1	KNG1	35.85	0.0018584
8971-9	NRXN1	35.85	0.00185908
7153-66	NGRN	35.85	0.00185924
13936-24	PGK2.00	35.85	0.00185957
5307-12	F9	35.85	0.00186025
14111-15	THBS2	35.85	0.00186059
10815-2	HABP4	35.85	0.00186065
5343-74	CPE	35.85	0.00186099
7015-8	LILRB5	35.84	0.00186113
3302-58	CST7	35.84	0.00186194
12632-14	NAT1	35.84	0.00186276
8980-19	CD200R1L	35.84	0.00186282
12931-16	NR3C2	35.84	0.00186339
12627-97	ATG7	35.84	0.0018635
13629-25	ATG4B	35.84	0.00186404
4969-2	CA1	35.84	0.0018641
13498-1	MIOX	35.84	0.00186462
7795-14	KLRC3	35.84	0.00186467
12020-39	BPGM	35.84	0.001865
12530-14	CKS1B	35.84	0.00186519
10948-14	PLD3	35.84	0.00186541
5107-7	NOTCH1	35.84	0.00186544
12503-5	GPR68	35.84	0.00186578
2982-82	LGALS4	35.84	0.00186595
12041-33	HSPA1L	35.84	0.0018664
8351-17	PRSS57	35.84	0.00186642
7930-3	EXOSC1	35.84	0.00186715
2839-2	TNFSF4	35.83	0.00186736
7006-4	COL25A1	35.83	0.00186753
11540-37	FOXO3	35.83	0.00186841
11549-6	ISL1	35.83	0.00186891
13493-5	GRID1	35.83	0.00186892

10608-9	HTN1	35.83	0.00186896
11265-8	ALDH1A1	35.83	0.00186896
8374-5	NGFR	35.83	0.00186935
13967-14	TXNRD1	35.83	0.00186976
13423-94	PRXL2A	35.83	0.00187007
5609-92	TAF A5	35.83	0.00187013
4886-3	CCL7	35.83	0.00187024
12510-3	STAP1	35.83	0.00187076
12891-1	MICALL2	35.83	0.00187087
11690-47	ANAPC7	35.83	0.00187122
7192-37	IFNLR1	35.83	0.00187158
11542-11	TMEM230	35.83	0.00187219
7910-41	LRFN1	35.83	0.00187227
3859-50	PSMA1	35.82	0.00187352
12848-9	ARHGEF2	35.82	0.00187407
4874-3	ANG	35.82	0.00187507
5879-51	DCTN2	35.82	0.00187513
4131-72	FN1	35.82	0.00187582
11653-69	SLC6A9	35.82	0.00187667
13102-1	FAM3D	35.82	0.00187699
11439-88	RHPN2	35.82	0.00187786
9900-36	NEFH	35.82	0.00187897
12734-112	KIF22	35.82	0.00187948
12593-33	PDRG1	35.82	0.00187968
12430-78	PAIP1	35.81	0.00187972
12990-39	MAP3K3	35.81	0.00187985
13085-18	GLP1R	35.81	0.00188035
5939-42	TNFSF12	35.81	0.00188069
9357-4	CREG1	35.81	0.00188166
2754-50	C3	35.81	0.00188209
6375-75	XXYLT1	35.81	0.0018825
10539-30	CD99L2	35.81	0.00188258
11544-39	PHF3	35.81	0.00188317
2732-58	NANOG	35.81	0.00188353
14583-49	MSTN	35.81	0.00188425
14250-115	BLMH	35.81	0.00188458

12513-8	GLTP	35.81	0.0018848
8842-16	GRAMD1C	35.81	0.00188491
5737-61	SEMA4D	35.81	0.00188498
13955-33	DAPK1	35.80	0.00188655
12727-7	PTGFRN	35.80	0.00188707
9779-63	HERPUD2	35.80	0.00188756
12473-48	KCTD5	35.80	0.00188817
10557-6	TEX29	35.80	0.00188889
8565-160	PLVAP	35.80	0.0018892
9263-57	SIAE	35.80	0.00188927
4912-17	GOT1	35.80	0.00189046
2844-53	TIE1	35.79	0.00189228
14069-61	CA4	35.79	0.00189249
10924-258	CYB5D2	35.79	0.00189253
8465-52	CTSH	35.79	0.00189259
13452-113	SMIM13	35.79	0.00189366
7920-30	ST8SIA2	35.79	0.001894
13941-82	FARS2	35.79	0.00189472
2876-74	TOP1.00	35.79	0.00189499
3390-72	PIK3CA PIK3R1	35.79	0.00189501
12807-89	ARHGAP30	35.79	0.0018959
12818-159	SLC14A2	35.79	0.00189672
8872-1	SEC61G	35.79	0.00189712
11135-5	MRPL55	35.79	0.00189729
14216-35	DDX46	35.79	0.00189781
11229-16	ERN1.00	35.79	0.00189828
5476-66	PRKCG	35.78	0.0018987
14043-12	EEA1	35.78	0.00189929
14341-8	DIPK1C	35.78	0.0018996
10462-14	INSL5	35.78	0.00189988
4829-43	SFN	35.78	0.00190086
3327-27	NTN4	35.78	0.00190147
13552-7	SWAP70	35.78	0.00190202
6965-19	CNTNAP2	35.78	0.00190307
3283-21	TGFBI	35.78	0.00190365
6929-10	ST8SIA3	35.78	0.00190407

11430-49	DTX1	35.77	0.00190496
13242-134	SHANK3	35.77	0.0019054
11372-2	ZNF18	35.77	0.0019058
13501-10	SLC35G2	35.77	0.00190595
7922-5	ADM	35.77	0.00190694
11194-6	SIT1.00	35.77	0.00190765
9954-2	NPIP3	35.77	0.00190967
12008-3	CD7	35.76	0.00191223
7823-22	ST6GALNAC2	35.76	0.00191233
7773-20	KIR2DL2	35.76	0.00191337
4959-2	AGR2	35.76	0.00191491
11117-2	SPATA20	35.76	0.00191503
4567-82	SH2D1A	35.76	0.00191552
4840-73	CSF3	35.75	0.00191758
6517-14	GDF10	35.75	0.00191789
7873-32	TSSK2	35.75	0.00191793
8767-44	ECE1	35.75	0.00191893
7865-126	PLAAT3	35.75	0.00191954
13972-4	HSD17B14	35.75	0.00191969
7038-45	ST8SIA4	35.75	0.00191979
9015-1	PRG3	35.75	0.00192008
7782-34	EDDM3B	35.75	0.0019205
13691-10	SLC5A8	35.74	0.00192412
13748-4	CCL8	35.74	0.00192444
8646-61	LRRTM4	35.74	0.00192479
8299-66	LILRA4	35.74	0.00192539
9038-12	JTB	35.74	0.00192584
11543-84	LIMA1	35.74	0.00192585
12374-8	PAFAH1B3	35.74	0.00192652
14593-152	FAM210A	35.74	0.00192725
3044-3	CCL18	35.74	0.00192731
7738-299	STX2	35.74	0.00192769
14008-22	DCP1A	35.74	0.00192809
5012-67	AK1	35.74	0.00192827
4717-55	IL3	35.74	0.00192975
5347-59	CCNB1	35.73	0.00193115

9930-48	GABBR2	35.73	0.00193263
10895-28	TMPRSS11B	35.73	0.0019332
14131-37	EFNB2	35.73	0.00193499
8780-2	PCDH10	35.73	0.00193604
13495-48	HCAR2	35.72	0.0019367
10046-55	BIRC2	35.72	0.00193715
2514-65	EFNB3	35.72	0.00193718
10049-112	TERF1	35.72	0.0019392
13565-2	RBL2	35.72	0.00193934
10866-60	PPP4R3A	35.72	0.00193969
2942-50	CYCS	35.72	0.0019424
11548-84	CDC25A	35.71	0.00194389
6900-30	UBE2J1	35.71	0.00194429
12498-12	TAX1BP3	35.71	0.00194481
3403-1	TPSB2	35.71	0.00194809
11144-10	DEFB116	35.70	0.00195024
11401-181	RNF146	35.70	0.00195083
4546-27	ADGRE2	35.70	0.00195083
8086-49	ITM2B	35.70	0.00195098
14631-22	DUSP16	35.70	0.00195149
9326-33	ITIH2	35.70	0.00195189
7175-4	PCDHGA2	35.70	0.00195254
12798-46	SLC4A8	35.70	0.00195361
5109-24	NRCAM	35.70	0.00195506
2730-58	MICA	35.70	0.00195571
10428-1	KIR2DS2	35.69	0.0019568
9283-8	CD44	35.69	0.00195737
14237-1	HSPA1A	35.69	0.00195738
4851-25	IL1A	35.69	0.00195956
4931-59	F3	35.69	0.00196151
12893-159	IFI16	35.69	0.00196209
5260-80	TYK2	35.68	0.00196258
11406-82	ACAD8	35.68	0.00196323
5934-1	FTH1 FTL	35.68	0.00196552
9199-6	UBE2G2	35.68	0.00196564
12534-10	CALCOCO2	35.68	0.00196672

5345-51	CKAP2	35.67	0.00197027
11330-15	CSNK2B	35.67	0.00197089
4254-6	NUDCD3	35.67	0.00197093
5745-64	PI15	35.67	0.00197206
5092-51	JAG1	35.67	0.00197228
10637-50	ELAPOR1	35.67	0.00197383
6079-59	PXYLP1	35.67	0.00197411
6973-111	IGF2	34.13	0.00197478
10663-42	INSIG1	35.67	0.00197505
11336-9	FANCF	35.67	0.00197536
5610-32	FAM171A1	35.66	0.00197611
13388-57	PCSK1	35.66	0.00197734
5508-62	CTSD	35.66	0.00197816
3366-51	ECM1	35.66	0.00198081
7980-72	B3GNT2	35.66	0.00198083
5623-11	CD300LF	35.66	0.00198127
7233-73	P2RX6	35.65	0.00198311
8021-59	MRPL14	35.65	0.00198348
9778-45	TMEM52B	35.65	0.00198393
7991-54	IQCF1	35.65	0.00198657
7925-18	SMCO2	35.65	0.0019871
9931-20	KRT1	35.64	0.00198918
13557-3	NECTIN3	35.64	0.00199037
13431-74	SHISAL2A	35.64	0.00199166
5098-79	KLRF1	35.64	0.00199277
9950-229	LAG3	35.64	0.00199388
13114-50	LUM	35.64	0.00199485
4967-1	C1QBP	35.63	0.00199545
7106-37	OOSP2	35.63	0.00199682
12345-4	ANAPC10	35.63	0.00199721
9994-217	ATP4B	35.63	0.00199831
12940-35	ALDH3B1	35.63	0.00199869
7859-21	PCDHGC3	35.63	0.00199941
5722-78	PRCP	35.63	0.00200022
10756-34	UCN3	35.63	0.00200051
2714-78	AIMP1	35.62	0.00200429

3034-1	GFAP	35.62	0.00200566
6260-14	TNC	35.62	0.00200799
2643-57	CDH3	35.61	0.00200908
7628-40	CRELD1	35.61	0.00201188
12352-70	ARRDC3	35.61	0.00201201
6383-90	TLL1	35.61	0.00201215
9004-24	LDLRAD4	35.61	0.00201233
5716-49	CSAG1	35.61	0.00201296
7955-195	ITIH1	35.61	0.00201311
8402-22	CYTL1	35.61	0.00201408
6388-21	CCDC126	35.60	0.0020151
13733-5	IL12B	35.60	0.00201529
5669-26	SIRPB2	35.60	0.00201866
5810-25	TDGF1	35.60	0.00201954
5265-12	GRAP2	35.60	0.00202022
13566-2	SSU72	35.59	0.0020256
13994-1	FBL	35.59	0.00202599
13482-14	CNOT1	35.58	0.00202902
8352-26	SIGLEC12	35.58	0.00202909
2878-66	YES1	35.58	0.00203053
9568-289	FCAMR	35.58	0.00203149
13940-19	IFI16	35.58	0.00203336
5339-49	S100A9	35.58	0.00203375
3072-4	IL13	35.58	0.00203404
6458-6	RPN1	35.57	0.0020367
7551-33	LRRC32	35.57	0.00203791
5867-60	ARG1	35.57	0.00203894
11709-29	CPT1B	35.57	0.00203974
9337-43	TAC1	35.57	0.00204
4996-66	HRG	35.57	0.00204098
14134-49	AMIGO2	35.56	0.00204224
13506-10	DUS2	35.56	0.00204259
5532-53	FGFR1	35.56	0.00204734
3367-8	FETUB	35.55	0.00204981
7179-69	NFASC	35.55	0.00205142
9969-8	SLC22A16	35.55	0.00205388

9391-60	PCSK1N	35.54	0.00205801
8097-77	LIPN	35.54	0.00205865
5618-50	FAM3B	35.54	0.00206017
11101-18	TLR4	35.54	0.00206169
9580-5	LAMC2	35.53	0.00206328
6264-9	CCN1	35.53	0.00206336
3361-26	CD207	35.53	0.00206449
6629-3	DEFB1	35.53	0.00206699
14039-33	KLK5	35.53	0.00206769
9313-27	CBLN1	35.53	0.00206807
11158-40	BICDL1	35.52	0.00207139
4923-79	AMH	35.52	0.00207187
6366-38	TXNDC15	35.52	0.00207458
4971-1	CTSZ	35.52	0.00207491
9288-7	FKBP7	35.52	0.00207494
9077-10	MAN1A2	35.52	0.00207559
9897-9	MCM6	35.51	0.00207684
12370-30	APOF	35.51	0.00207798
5631-83	MLN	35.51	0.00208056
9638-2	TIGIT	35.51	0.00208074
10785-8	LRRC52	35.50	0.00208324
2637-77	MRC1	35.50	0.00208394
6586-19	ADAM11	35.50	0.00208493
9188-119	CXCL9	35.50	0.00208703
11325-8	BTG2	35.50	0.00208783
4922-13	CCL19	35.50	0.0020884
9053-16	CRIP2	35.49	0.0020904
11263-57	CASQ1	35.49	0.00209272
7948-129	GLTPD2	35.49	0.00209287
3320-49	IGFBP7	35.49	0.0020929
5703-26	OLFM1	35.49	0.00209544
10419-1	SCARA5	35.48	0.00210036
3040-59	CCL3	35.48	0.00210137
12422-143	ALOX15B	35.47	0.00210628
8252-2	NOTUM	35.47	0.00210891
6558-5	COLEC10	35.47	0.00210956

6390-18	NPS	35.46	0.00211156
11104-13	CHI3L1	35.46	0.00211275
13098-93	VEGFD	35.46	0.00211391
12693-2	SH3BGRL	35.46	0.00211668
3518-54	CPB2	35.45	0.00212045
6962-5	HLA-DRB3	35.45	0.00212059
9526-3	CLPSL1	35.45	0.00212276
9962-1	CDHR5	35.45	0.00212299
3316-58	SERPIND1	35.44	0.00212517
10737-96	SERPINB1	35.44	0.00213081
5581-28	FGL1	35.44	0.00213092
14208-3	RBP7	35.44	0.00213108
12759-47	ILF3	35.43	0.00213207
8039-41	FAM177A1	35.43	0.00213697
3293-2	CD5L	35.43	0.00213699
12594-5	GCA	35.43	0.00213812
9394-19	CPQ	35.42	0.00214389
3457-57	POSTN	35.41	0.00215055
6252-62	SCGB3A1	35.40	0.00215531
14662-6	MZF1	35.40	0.0021575
13387-55	EHF	35.40	0.0021584
9359-9	DLK2	35.40	0.00215845
10365-132	IL12B IL23A	35.39	0.00216108
4673-13	IL6	35.38	0.00216903
3009-3	TGFBR3	35.38	0.00216961
13131-5	HK1	35.37	0.00217689
13539-131	KCNN1	35.37	0.00217702
2813-11	AGRP	35.36	0.00218228
2590-69	ROR1	35.36	0.00218409
8464-31	RSPO4	35.36	0.0021841
13416-8	TMEM132D	35.35	0.00218871
13436-54	MAZ	35.35	0.0021919
6431-68	PCYOX1	35.34	0.00219694
8811-24	BAMBI	35.34	0.00220205
6425-87	MMP19	35.33	0.00220296
10761-5	TMED2	35.33	0.00220997

8956-96	SCARF2	35.32	0.00221205
14123-34	VSIR	35.32	0.00221311
12650-43	GNAI3	35.31	0.00222114
12511-83	SLC41A2	35.30	0.00222605
9600-55	THSD7A	35.30	0.0022266
2436-49	CXCL16	35.30	0.00222718
3234-23	CCDC80	35.30	0.00222957
6713-4	LRP11	35.29	0.00223202
11547-84	MUSK	35.29	0.00223265
3198-4	IDS	35.28	0.00224602
5630-48	CD300A	35.28	0.00224623
7841-84	ESAM	35.28	0.0022464
13567-1	DPYSL2	35.27	0.00224678
2968-61	TNFSF15	35.27	0.00225034
8993-151	RIPK2	35.26	0.00225917
13133-73	LTBP4	35.26	0.00225947
11308-8	CREB3L4	35.25	0.00226236
2692-74	PLA2G2A	35.25	0.00226297
9942-2	NXT1	35.25	0.00226609
4151-6	PLG	35.23	0.00227767
6042-52	TNC	35.23	0.00227888
6603-18	ANOS1	35.22	0.00228559
12574-36	EDN2	35.22	0.00228801
9211-19	SERPINF1	35.18	0.00231494
8890-9	TMEM132B	35.18	0.00231596
10418-36	STX12	35.18	0.00231793
4534-10	PRSS22	35.17	0.00232424
9599-6	PIANP	35.17	0.00232724
3074-6	LBP	35.17	0.00232756
11328-9	USB1	35.16	0.00233599
7787-25	LILRA5	35.15	0.00233801
11955-1	ARHGAP1	35.15	0.00234359
5628-21	SEMA3G	35.14	0.00234662
6223-5	GUCA2B	35.13	0.00235861
8957-72	ERLEC1	35.12	0.00236476
11514-196	CD59	35.11	0.00237095

4920-10	LYZ	35.11	0.00237472
5128-53	SLAMF6	35.11	0.00237557
8427-118	RSPO3	35.10	0.00237769
6259-60	TNC	35.10	0.00238216
8006-12	DNAJB12	35.09	0.00238754
2797-56	APOB	35.08	0.00239392
3710-49	PLG	35.08	0.00239719
8062-15	EVA1B	35.06	0.00241021
6324-11	DNASE1L2	35.06	0.00241335
9312-8	AZGP1	35.05	0.002418
3221-54	SFRP1	35.05	0.00241958
7927-16	ST6GALNAC5	35.04	0.00242482
4992-49	GRN	35.03	0.00243391
5468-67	IL17RC	35.03	0.00243736
2774-10	IL16	35.03	0.00243736
6574-11	FCMR	35.01	0.00244841
9316-67	WFDC1	35.01	0.00244994
3362-61	CHRD1	35.01	0.00245279
14037-18	RANBP3	35.00	0.00245701
10424-31	NPDC1	35.00	0.00246287
4153-11	SERPINA3	34.99	0.00246309
5139-32	UNC5C	34.99	0.002464
4968-50	CAPG	34.99	0.00246559
10396-6	MCL1	34.98	0.00247179
3803-10	CST5	34.96	0.0024879
11462-8	RBFOX2	34.94	0.00250993
7178-59	DEPP1	34.93	0.00251386
3291-30	FCER2	34.93	0.00251651
3083-71	EDA2R	34.92	0.00252246
12381-26	CBR1	34.92	0.00252286
8985-13	SERAC1	34.92	0.00252311
6506-54	TMED10	34.91	0.00253001
13119-26	SERPINA10	34.91	0.00253379
3324-51	LY9	34.91	0.00253574
4413-3	SLPI	34.90	0.00254465
10894-25	SCGN	33.37	0.00254475

11516-7	FABP1	34.89	0.00254566
5404-53	TNFRSF21	34.89	0.0025457
5034-79	PRSS2	34.89	0.00254874
2913-1	CCL23	34.89	0.00254915
10667-78	C1orf185	34.89	0.00254944
9869-28	NFKB1	34.88	0.00255856
2911-27	MDK	34.86	0.00257138
8229-1	GXYLT1	34.86	0.00257208
9191-8	TFF2	34.84	0.00259276
4152-58	KLKB1	34.83	0.0025969
5852-6	S100A12	34.83	0.00259977
10036-201	ZHX3	34.83	0.00260022
6627-25	PNLIPRP1	34.78	0.00264451
4374-45	GDF15	34.76	0.00266309
13112-179	FSTL1	34.75	0.00266726
9021-1	HAVCR1	34.75	0.00266813
12975-11	KRT20	34.74	0.00267709
13734-22	IFNL1	33.22	0.0026795
5441-67	TNNI3	34.71	0.00270298
9321-400	NMB	34.66	0.002751
5131-15	TNFRSF19	34.62	0.00278415
5301-7	CCL11	34.60	0.00280282
12620-3	SEPTIN11	34.58	0.00281671
3028-36	CCL23	34.56	0.00284156
14136-234	CD93	34.50	0.00289671
5452-71	ASGR1	34.43	0.00296175
14124-6	EFNA2	34.42	0.00297543
10575-31	PUF60	34.39	0.0029961
8304-50	TNFRSF11B	34.39	0.00300084
9177-6	FAM3B	34.37	0.00301635
3073-51	IL18BP	34.35	0.00304134
8235-48	CHGB	34.33	0.00305862
11178-21	SVEP1	34.31	0.00308121
4148-49	PAPPA	34.22	0.00317231
2614-28	EFNA4	34.15	0.0032491
8969-49	CD14	34.09	0.00330561

8289-8	GPNMB	34.09	0.00331274
2211-9	TIMP1	34.07	0.00332751
11109-56	SVEP1	34.07	0.00333103
11102-22	REG4	34.06	0.00334082
3079-62	RARRES2	33.99	0.00341931
6304-8	C1QTNF1	33.95	0.00345929
8871-14	NUDC	32.44	0.003468
2997-8	JAM2	33.88	0.00353746
4428-1	CHST2	32.37	0.00355318
13093-6	SECTM1	33.80	0.00362818
5066-134	CD300C	33.78	0.00365472
13381-49	B4GALT1	33.74	0.0036994
7953-20	SLAMF1	33.74	0.00370571
14337-1	TRAPPC3	33.73	0.00371118
5463-22	GAS1	33.72	0.00372349
5646-20	RNASE6	33.70	0.00375644
11212-7	TXNDC5	33.68	0.00377874
3292-75	CD48	33.63	0.00383564
4496-60	MMP12	33.59	0.00388234
2602-2	ANGPT2	33.47	0.00404362
14054-17	IL15RA	33.46	0.00404603
5496-49	SPON1	31.96	0.00406377
6387-61	DEFA5	31.92	0.00411679
6374-7	MMP20	31.88	0.00416645
6565-68	CDCP1	31.80	0.00427407
13126-52	DSC2	33.26	0.00432283
2785-15	CCL8	31.74	0.00436016
12916-3	MTCP1	31.73	0.00438071
7244-16	IGFLR1	33.20	0.00440571
7776-20	UNC5B	33.19	0.00442001
5140-56	UNC5D	31.64	0.00451181
11851-21	TREM2	31.63	0.00452552
8469-41	IGFBP2	33.01	0.00468131
4834-61	EPHA2	33.00	0.00469336
6941-11	SUMF1	32.99	0.00471457
5635-66	TREM2	31.48	0.00474741

5134-52	HAVCR2	32.77	0.00505039
10514-5	PTGDS	32.73	0.0051124
10479-18	MMP10	31.25	0.00511633
9096-80	IRAG2	31.04	0.00547261
2858-29	HAT1	31.03	0.00549092
3814-63	IL11RA	31.03	0.00549618
4491-4	IL5RA	31.02	0.00550707
13118-5	SMOC1	32.49	0.00551526
4815-25	TXNDC12	31.01	0.00553139
14103-12	TPSG1	30.95	0.00563697
4297-62	SPON1	32.38	0.00570931
4450-26	HNRNPAB	30.89	0.00574426
2670-67	CKM	30.88	0.00577052
8620-56	KLK14	30.85	0.00580853
10480-33	CD59	30.84	0.00584567
2201-17	COL18A1	32.27	0.00591552
2330-2	CXCL12	30.79	0.00592504
13730-18	CTSC	30.74	0.00602447
7861-9	ROR2	32.18	0.00608467
11200-52	CD93	30.63	0.00624193
8348-4	EPHB2	30.51	0.00648469
2654-19	TNFRSF1A	31.97	0.00649813
3636-37	OLR1	30.41	0.00670359
7768-10	CPM	30.41	0.00670611
14102-6	GNLY	30.37	0.00679088
2715-25	EPOR	30.36	0.00680582
9266-1	TREM1	31.74	0.00699283
8830-29	ABRAXAS2	30.24	0.00706977
10473-2	TFF2	30.22	0.00711292
13408-23	WFIKKN2	30.15	0.00727697
9436-2	ID1	30.14	0.00730374
11487-4	SPOCK1	30.14	0.00730874
12988-49	EWSR1	31.59	0.00730958
2630-12	IL1RAP	30.14	0.00730996
13256-21	SHANK1	30.13	0.00732755
14057-68	TNFSF15	30.04	0.00753267

10460-1	CHIT1	30.01	0.00760268
3360-50	CHEK2	29.97	0.00770359
2501-51	CDH1	29.90	0.00788111
7122-31	LGR5	29.90	0.00788411
11282-16	MSR1	29.89	0.00790079
11318-20	APOA5	29.88	0.00793559
14073-31	HPX	29.86	0.00798978
3509-1	CCL15	29.84	0.00803344
3152-57	TNFRSF1B	31.26	0.00809747
10457-3	IL18RAP	29.80	0.00812941
2748-3	INHBA	29.73	0.00831917
3479-71	PRSS3	29.70	0.00838017
6075-61	HEXB	29.68	0.008445
4414-69	SFTPD	29.64	0.0085429
9234-8	TWSG1	31.07	0.00858887
11388-75	WFDC2	31.07	0.00860525
2609-59	CST3	31.05	0.00865655
5124-62	ICAM5	29.58	0.00871201
8474-6	ROR1	29.57	0.00875487
3601-54	CHL1	29.56	0.00878107
11814-29	MET	29.53	0.00885621
2686-67	IGFBP6	29.49	0.00897338
2857-70	NR3C1	29.48	0.00899589
14042-11	SFRP1	29.47	0.00900893
14757-144	FGF8	29.47	0.00902846
9269-7	BTD	29.45	0.00909099
6546-41	DKK2.00	29.44	0.00910635
9277-16	REG3A	29.40	0.00922578
9461-2	ICAM4	29.39	0.00925691
2711-6	CNTFR	29.35	0.00937307
3498-53	IL17A	29.34	0.0094026
4859-6	BMPR1A	29.27	0.00961762
3624-3	PRSS27	29.24	0.00969288
9259-35	TNFRSF21	29.24	0.00971111
11232-46	TCN1	29.23	0.00972986
7012-35	VNN2.00	29.23	0.00973347

4918-21	KNG1	29.23	0.00973667
14109-15	CCL15	29.22	0.00976916
4336-2	SAA1	29.20	0.00980432
14756-29	ICAM2	29.20	0.00980502
14125-5	APOM	29.20	0.00981991
7195-119	EPHA7	29.19	0.00984845
14030-21	TNFSF4	29.18	0.00987775
14148-2	ISG15	29.16	0.00994241
14105-5	SERPINA4	29.13	0.01002822
8624-16	UNC5D	29.11	0.01008296
8385-248	HGFAC	29.11	0.01010529
9603-9	IL22RA1	29.07	0.0102283
14086-11	SMPDL3A	29.05	0.01027495
6590-54	NRP2	29.05	0.01028963
4238-4	LIN7B	29.02	0.01037034
14022-17	IL17B	29.01	0.01041431
14755-4	LTF	29.01	0.01043229
2598-9	TNFRSF9	29.00	0.01044703
9242-11	BTC	29.00	0.01045782
5982-50	CFHR1	28.99	0.01047199
13463-1	PXDN	30.41	0.01053344
7756-37	KLRF1	28.97	0.01056482
8246-9	PCSK9	28.96	0.01056489
5846-24	NOG	28.96	0.01057373
5693-6	REG1B	28.93	0.01067449
5746-37	EFNB1	28.91	0.01075568
9261-14	EPHB6	28.90	0.01077067
8368-102	TNFRSF1B	30.26	0.01101757
13432-9	ZFYVE27	28.82	0.01106019
9328-55	MICB	28.81	0.0110699
10738-11	FBLN5	28.79	0.01115356
10743-13	SLITRK1	28.78	0.01118599
6229-13	CSH1 CSH2	28.74	0.01132852
7884-15	DDR2	28.73	0.01135393
2358-19	FLT4	28.73	0.01136001
9991-112	EMILIN3	28.73	0.0113736

10670-26	SEMA3E	28.70	0.01147453
6209-2	AOC1	28.68	0.01152953
7893-19	OLR1	28.68	0.01154173
4330-4	KLK3	28.68	0.01155302
7695-106	SQSTM1	28.67	0.01156943
5084-154	IL17RB	28.66	0.01162308
8644-46	CTSH	28.65	0.01163717
7799-3	KIR2DL5A	28.65	0.01166255
9300-13	NECTIN1	28.65	0.01166357
9284-25	SFRP4	28.61	0.01179223
4452-9	LRRTM1	28.60	0.011848
6055-53	IFNAR1	28.59	0.01185432
7243-8	IFNB1	28.58	0.01190596
3438-10	FSTL3	30.00	0.01191234
13739-3	FLRT1	28.58	0.01191704
8997-4	NPTXR	28.57	0.01195306
6172-7	UBC	28.57	0.01195471
5080-131	GPNMB	28.54	0.01203493
10505-12	RNF43	28.54	0.01206813
4696-2	FABP3	28.53	0.01208372
11545-9	TNFRSF14	28.51	0.01216663
5356-2	MIF	28.50	0.01219277
14078-69	XCL1	28.48	0.01228303
10854-15	GCNT4	28.47	0.01229781
3684-78	MSR1	28.46	0.0123359
8645-257	PEX14	28.46	0.01236728
13707-27	SPARCL1	28.45	0.01240213
7744-10	LRP12	28.43	0.01246635
9760-13	MAPK9	28.43	0.01248431
11184-51	CHGA	28.42	0.01251915
13504-147	HNRNPR	28.41	0.01253039
3633-70	NID2	28.41	0.01253372
8702-42	OSCAR	28.40	0.01256773
9878-3	SULT1E1	28.39	0.01263214
6423-66	C1QL2	28.39	0.01263518
14759-149	CDH1	28.38	0.01265865

10801-11	EFNA2	28.38	0.01266785
2523-31	CCL5	28.36	0.01272661
7190-50	EPHA4	28.36	0.01275251
5587-3	CCDC134	28.35	0.01279122
7002-1	MXRA8	28.34	0.01281116
7134-14	BCL2L2	28.33	0.01286985
7146-5	PDIA4	28.32	0.01290387
9250-87	DEFA1	28.31	0.01295561
11083-23	ENO2	28.27	0.01308811
10976-44	MUC1	28.26	0.01314025
14038-130	CST7	28.25	0.01316389
10470-34	TXNDC11	28.25	0.01318483
9507-55	FGFBP1	28.25	0.01319665
7919-278	FAM3D	28.23	0.01327997
3642-4	CD84	28.22	0.01328465
5759-10	EFNA3	28.22	0.01328831
12448-246	NMT1	28.21	0.01333887
13742-66	IL22	28.20	0.01337261
5729-27	SOST	28.19	0.01340487
13725-3	FGF16	28.18	0.01346634
11949-25	EGF	28.18	0.01347678
13731-14	C7	28.17	0.0134925
8475-15	MMP7	28.17	0.01351593
12649-80	MDH2	28.16	0.01354436
13699-6	KLK3	28.15	0.01360576
7775-15	KLK11	28.14	0.01364957
4245-80	MDM2	28.13	0.01367398
2575-5	LEP	28.12	0.01373485
6003-28	NEU1	28.11	0.01374765
9352-86	REG3G	28.11	0.01376537
5104-57	NCR1	28.09	0.01385606
4139-71	IL6R	28.09	0.01385918
13732-79	CTF1	28.08	0.01388531
6502-50	CRIM1	28.07	0.01392069
8463-2	SOD3	28.07	0.01394067
2573-20	IL6	28.05	0.0139978

11203-97	PKLR	28.05	0.01403278
13693-5	CDNF	28.04	0.0140528
13640-5	BCL6	28.03	0.01411181
8240-207	GPNMB	28.02	0.01413853
3709-4	GPT	28.02	0.01415107
9086-95	SCGB2A1	28.01	0.01416587
8528-74	ISLR2	28.01	0.01420374
11586-2	LRRN1	28.00	0.01420779
7735-17	SERPINF1	28.00	0.01420786
9303-9	ICOSLG	28.00	0.01421216
13661-193	CST5	28.00	0.01423418
8790-6	ARSA	28.00	0.01423802
3611-70	ECE1	27.99	0.01428093
7693-13	TNFRSF10B	27.97	0.01435606
3828-54	PDGFC	27.96	0.01440485
9768-5	IL10RA	27.96	0.01440851
9851-9	FABP4	27.96	0.01441682
8359-149	STK17B	27.93	0.01451922
10967-12	PRL	27.93	0.01454051
5747-67	BGLAP	27.93	0.01454855
14108-15	TGFB1	27.93	0.01455157
7885-17	CFHR5	27.92	0.01455881
8092-29	IL6R	27.92	0.01459713
8854-59	RRM2B	27.91	0.01460913
11159-14	MUL1	27.91	0.01462825
11245-43	FLNA	27.90	0.01468209
3681-87	KLK14	27.90	0.01468285
3208-2	MATN3	27.89	0.0146964
7241-12	CD247	27.89	0.01470883
6024-68	CPE	27.85	0.01488594
9065-28	TXLNA	27.85	0.01490523
6356-3	CPB1	27.85	0.01491066
6931-10	CTAG1A	27.85	0.01491538
13708-56	KLK8	27.83	0.01499811
2685-21	IGFBP5	27.82	0.01501136
8393-121	CTSF	27.81	0.01505894

3613-62	FCN1	27.80	0.01511483
8264-43	DLL1	27.80	0.01512808
10398-110	ANKRD1	27.79	0.01514823
2969-11	ACVRL1	27.79	0.0151565
2848-2	WIF1	27.79	0.01517914
13576-15	GSTP1	27.78	0.01521474
11833-83	FXN	27.77	0.01527957
9218-7	FAS	27.77	0.01528406
13668-44	TYRO3	27.76	0.01528715
13054-87	PFN2	27.76	0.01530486
8458-16	SNCA	27.76	0.01532917
10631-9	PGRMC2	27.75	0.01535394
13406-161	CD300C	27.75	0.01537635
6232-54	CD86	27.74	0.01538171
2762-30	FGF19	27.74	0.01540678
8660-33	OLFML3	27.74	0.01541086
5666-64	IL1R2	27.74	0.01542255
3514-49	PRTN3	27.72	0.01548299
12414-31	YWHAB	27.72	0.01549072
14064-21	PGLYRP1	27.71	0.01552793
8330-1	LRP11	27.71	0.01554845
13687-5	CCL1	27.71	0.01555993
8280-238	VTN	27.70	0.01556985
5721-1	CD226	27.70	0.01557096
9456-34	IL22RA2	27.70	0.0155818
2986-49	CXCL3	27.69	0.01561361
10819-108	FBLN1	27.69	0.0156268
9749-190	LCP1	27.68	0.01566969
11629-36	TRAF4	27.67	0.01571615
8287-17	CD300E	27.67	0.01571724
10069-2	PIN1	27.67	0.01572292
5741-55	RNASE3	27.67	0.01572305
5725-1	OMD	27.67	0.01574428
2869-68	PRKCD	27.67	0.01575501
14110-200	SPARC	27.66	0.01575929
4383-97	INHBA INHBB	27.66	0.01577146

7831-39	RBP4	27.65	0.01582537
11294-7	TMCC3	27.65	0.01584381
12446-49	GSTA1	27.64	0.01586826
2822-56	ADGRE5	27.64	0.01587449
14041-13	GZMB	27.64	0.01587709
11830-48	PTPN11	27.64	0.0158927
3177-49	CA4	27.63	0.01590346
6104-1	FGFRL1	27.63	0.01590407
10420-30	FAIM	27.63	0.0159395
13706-12	IL12RB1	27.62	0.01595058
2751-16	AZU1	27.62	0.01595994
8037-53	DNAJB14	27.62	0.01596522
5384-67	BRF1	27.62	0.01598148
13701-2	CXCL13	27.62	0.01598168
9627-15	VIT	27.62	0.01598271
12351-25	STAT1	27.62	0.01599473
3200-49	KLK13	27.61	0.01600023
3056-11	KLRK1	27.61	0.01600832
7249-37	BCL2L10	27.60	0.0160911
11836-144	DDR1	27.59	0.01613871
14049-17	IL7	27.57	0.01622365
9468-8	LMAN2	28.97	0.01623551
13663-2	IL4	27.57	0.01623772
6583-67	SERPINA10	27.56	0.01627075
5193-51	KRAS	27.55	0.01629341
10025-1	DLD	27.55	0.01631065
8329-166	CDH12	27.55	0.01633134
13723-6	IL10	27.54	0.0163416
3303-23	CST6	27.54	0.01634346
3741-4	IL5	27.54	0.01634908
6993-8	NT5E	27.54	0.01635574
11285-8	CD34	27.54	0.01636776
5733-61	IFNA10	27.54	0.01636905
5970-61	LECT2	27.54	0.01638461
10855-55	PLXNB2	27.53	0.01640392
6512-68	KREMEN1	27.52	0.01644968

9169-14	SUMO3	27.52	0.01648257
5125-6	SIGLEC14	27.51	0.01649955
3766-51	STX1A	27.51	0.01650299
3646-7	TEC	27.50	0.01654806
13924-13	MYZAP	27.50	0.01657637
6575-79	ADAMTSL1	27.50	0.0165846
14068-29	CCL25	27.49	0.01659316
11651-24	AGO1	27.49	0.01659356
2603-61	CD80	27.49	0.01661541
3416-2	BTK	27.48	0.016646
8407-84	NOTCH2	27.48	0.01665333
9795-9	CLN5	27.48	0.01665948
9227-15	PDCD1	27.47	0.01671826
10439-57	AMY2B	27.46	0.01675577
6113-31	EDN3	27.45	0.01679917
11353-143	SMAD2	27.45	0.01682653
14703-6	PROK1	27.44	0.01688088
6957-14	PNLIPRP2	27.44	0.01688816
14081-5	ULBP1	27.43	0.0169217
13670-81	PLA2G2E	27.42	0.01694949
14031-18	FGF7	27.42	0.01696393
3644-5	DKKL1	27.41	0.01701102
7152-5	HAVCR2	27.41	0.01701477
9755-19	DBNL	27.41	0.01702115
3446-7	IL18R1	27.41	0.0170308
9426-73	ID2	27.41	0.01703166
4594-22	ADCYAP1	27.41	0.01704314
5424-55	TNFRSF11A	27.40	0.01705042
10870-32	SPAST	27.39	0.01713203
8312-139	CMPK1	27.39	0.01713478
14696-45	TPSB2	27.38	0.01716256
11081-1	GPD1	27.38	0.01718079
3739-72	ITGA2B ITGB3	27.38	0.01718157
5122-92	SEMA6A	27.38	0.01719143
3634-5	OPCML	27.37	0.01722008
9945-8	ARMC5	27.36	0.01728158

10351-51	IRF1	27.36	0.01728663
3218-8	FOLH1	27.35	0.01732748
7951-146	FCRL2	27.35	0.01733476
7268-12	IFNA4	27.34	0.01735899
11712-207	UNC45A	27.34	0.01736382
2917-3	TNFSF11	27.34	0.01739526
10966-1	AHSG	27.34	0.01740621
14104-1	TRIL	27.33	0.01741154
6019-12	C1QTNF9	27.33	0.01741532
7056-16	SLC3A2	27.33	0.01746222
5115-31	RELT	27.32	0.01748306
8262-20	APOD	27.32	0.01749902
14032-2	VEGFA	27.31	0.01755749
5692-79	TNF	27.30	0.01757034
5699-19	FAM189A2	27.30	0.01757184
9279-7	IGSF11	27.30	0.01759826
2915-6	PCNA	27.30	0.01761595
9787-23	COLEC12	27.30	0.01762145
6225-3	PRSS8	27.29	0.017636
7832-181	PDIA3	27.28	0.01767583
2867-52	AKT1	27.28	0.01768627
9013-60	NTN1	27.28	0.01769531
9761-89	LDHA	27.28	0.01770533
9305-89	IFNGR2	27.28	0.0177179
4983-6	ERP29	27.28	0.01771846
2768-56	HPX	27.28	0.01772671
11246-3	BPIFB1	27.27	0.01774693
2638-12	CSF1R	27.27	0.0177654
3236-12	GSK3B	27.27	0.01776721
11510-51	APOL1	27.26	0.01780059
13543-7	PTGR1	27.26	0.01780314
8488-33	ITGA2B ITGB3	27.26	0.01782032
12491-23	CLIC4	27.26	0.01782585
6568-18	HEPACAM2	27.24	0.01790277
7958-15	KIRREL2	27.24	0.01790664
7840-64	LGMN	27.24	0.01793305

2746-56	CRLF2	27.24	0.01793629
7136-107	HBE1	27.24	0.01794215
10970-3	ART3	27.23	0.01794891
7660-21	TPM4	27.23	0.01799031
10746-24	DKK3.00	27.22	0.01801169
9750-7	S100A4	27.22	0.01804537
9845-33	PARK7	27.22	0.01804679
3289-19	CA10	27.22	0.01804837
6248-68	FAS	27.21	0.01805187
12077-32	MSTN	27.21	0.01808031
5668-49	AGR3	27.21	0.0180991
7721-81	FMR1	27.20	0.0181553
2775-54	IL17F	27.19	0.01816738
10039-32	PNP	27.19	0.01819287
14072-9	TPT1	27.19	0.01819983
6236-51	CTHRC1	27.18	0.01821687
9514-46	EFCAB14	27.18	0.01824656
2891-1	CD22	27.18	0.01825887
3736-60	BMP6	27.17	0.01828898
11450-110	P4HB	27.16	0.01834402
10010-10	BECN1	27.16	0.01835882
7713-50	FMR1	27.16	0.01837341
10636-1	CD200R1	27.15	0.01839813
9083-35	SIRPA	27.14	0.01843603
14085-28	IL13	27.14	0.01848736
11150-3	COL6A1	27.13	0.01850264
7882-31	SLAMF7	27.13	0.0185103
11670-18	GPR101	27.13	0.01852164
5694-57	SMOC1	27.13	0.01852806
3053-49	FLT3LG	27.12	0.01855622
13690-26	BGN	27.12	0.01856596
12372-50	TPM3	27.12	0.01857208
9987-30	LRRC25	27.12	0.01859082
7182-1	CES1	27.12	0.01859684
7909-37	SHBG	27.11	0.01861685
5624-66	FOLR3	27.11	0.01862208

6963-82	SELPLG	27.11	0.01864468
13678-169	CFD	27.11	0.01865224
7009-6	CD72	27.10	0.01866865
7780-34	MZB1	27.10	0.01868805
8073-3	CD84	27.10	0.0186929
9890-8	TPM3	27.09	0.01874071
5594-87	MESD	27.09	0.01874886
7812-11	S100A9	27.09	0.01876513
8257-71	OXT	27.08	0.01879001
5633-65	LILRB2	27.08	0.01882255
10702-1	COL28A1	28.46	0.01883679
13117-232	CHKB	27.07	0.01884491
8095-213	PPIF	27.06	0.01888405
3217-74	SERPINE2	27.05	0.0189616
11121-56	VWC2	27.05	0.01898981
8052-115	NLGN1	27.05	0.01899432
3676-15	IGF2R	27.04	0.01900624
7131-8	CETP	27.04	0.01901752
13712-104	GZMA	27.04	0.01902845
8851-42	FAM171B	27.04	0.01902852
9224-20	PRLR	27.04	0.01905117
10980-11	ACHE	27.03	0.01909677
9400-40	LGALS7	27.01	0.01917006
9854-36	AKR1B1	27.01	0.01917199
10626-116	ST6GALNAC3	27.01	0.01917351
14097-86	CHST15	27.01	0.01918176
10463-23	ALPI	27.01	0.01922336
7174-15	CD38	26.98	0.01938871
2954-56	MMP8	26.97	0.0194046
5992-50	CD8A	26.96	0.01946075
10741-22	CSF1	26.96	0.01947743
9857-38	IRF4	26.95	0.01956207
9245-1	KIR2DL4	26.92	0.01973446
6914-15	AMIGO2	26.90	0.0198267
9232-1	ROBO4	26.90	0.01986766
14077-6	FCN3	26.89	0.01989579

10780-10	RAB3D	26.88	0.01996962
2989-17	IFNG	26.87	0.01999062
14023-84	IBSP	26.87	0.02002922
7239-9	GSTM1	26.86	0.02004977
10528-2	DPEP1	26.86	0.02006382
11602-12	CPNE1	26.85	0.02011281
6935-123	BAMBI	26.84	0.02019748
9604-14	CDH11	26.82	0.02033318
8986-2	PHGDH	26.81	0.02035929
3654-27	BMPER	26.79	0.02048503
10382-1	ANGPTL3	26.79	0.02052996
5099-14	LAG3	26.78	0.02059137
3666-17	CFHR5	26.77	0.0206193
5695-5	BPIFA2	26.76	0.0206771
11310-8	DSG3	26.73	0.02087287
3635-76	OCIAD1	26.72	0.02095142
11817-1	RPS6KB1	26.69	0.02113232
13741-36	IGFBP1	26.65	0.02138004
8239-223	BCHE	26.64	0.02141669
2841-13	FRZB	26.62	0.02153588
3214-3	NRP1	26.59	0.02175815
2981-9	ESAM	26.54	0.02210284
3061-61	CTSB	26.53	0.0221741
8952-65	CSF3	26.53	0.02217548
7008-13	EVA1C	26.51	0.02230627
13710-6	SERPING1	26.50	0.02235242
13722-105	C9	26.49	0.02237831
9756-6	TAGLN	26.48	0.02244945
6645-53	POSTN	26.48	0.02246576
13747-9	CA6	26.48	0.02250082
7915-31	APLP2	26.44	0.0227257
8295-16	OLFM2	26.43	0.02279915
3591-51	CDH6	26.42	0.02287327
11196-31	COL6A3	27.79	0.02289352
6217-23	QSOX1	26.39	0.02308155
8545-14	C17orf78	26.34	0.02344291

10472-53	TNFRSF14	26.28	0.0238656
8232-90	JAML	26.26	0.02401167
8091-16	MASP1	26.11	0.0250692
6263-77	PLTP	26.03	0.02566876
3758-63	PROC	25.99	0.02595656
10576-7	PLXDC2	25.75	0.02786827
5930-54	TNNI3	25.59	0.0291854
13660-76	ANGPT2	25.35	0.03129291
7965-25	HBQ1	25.32	0.0315777
3485-28	B2M	26.66	0.03162449
7870-8	CNDP1	25.10	0.03355819
14050-61	EFNA4	24.72	0.03747758
8819-3	IGFBP2	22.64	0.06636656
2570-72	IGFBP2	22.54	0.06818721

AGES-RS Schoenfeld Residuals Testing			
Sequence ID	Entrez Gene Symbol	HF Chi Squared	HF P Value
4453-83	LRRTM3	13.193466	0.00028093
3714-49	CKB CKM	11.932276	0.0005517
5801-72	NGF	11.304443	0.00077322
5360-9	AKT2	11.088375	0.00086871
3209-69	MEPE	11.080071	0.0008726
13644-30	HGS	10.797047	0.00101662
3888-8	ING1	10.081376	0.00149776
3361-26	CD207	9.971012	0.00159024
4553-65	HDGFL2	9.821401	0.00172493
12568-14	KEAP1	9.810204	0.00173546
4156-74	TGFB2	9.752825	0.00179047
9453-12	VEGFB	9.585717	0.00196097
12788-6	SGF29	9.42703	0.0021381
14628-72	FBXO3	9.332152	0.00225168
8470-213	RNASEH1	8.813926	0.00298940
9226-6	TMUB2	8.749464	0.00309693
2670-67	CKM	8.692443	0.00319532
7780-34	MZB1	8.611745	0.00334002
13642-90	IFIT3	8.565699	0.00342555
11288-26	NT5C2	8.543755	0.0034671
11150-3	COL6A1	8.520714	0.00351127
2500-2	ANGPT4	8.450628	0.00364917
9907-216	TNKS	8.429288	0.00369225
3115-64	MAPK1	8.383953	0.00378548
12663-1	TST	8.23031	0.00411965
4144-13	CCL13	8.098704	0.00442969
9400-40	LGALS7	8.053084	0.00454263
14271-23	RAB6B	7.969057	0.00475837
9038-12	JTB	7.873474	0.00501652
13655-34	NCL	7.736472	0.00541164
11173-29	MILR1	7.730724	0.0054289
13484-69	COL1A1	7.730084	0.00543082
3342-76	ABL2	7.721184	0.00545766
10354-57	STAT3	7.697635	0.00552932

9049-2	SLC16A3	7.618974	0.00577574
3373-5	GZMH	7.154167	0.007479
4543-65	COL23A1	7.045534	0.00794632
3875-62	ARID3A	7.025258	0.00803679
11406-82	ACAD8	7.025178	0.00803715
10513-13	KCNIP3	7.001296	0.00814508
7753-21	HTATIP2	6.950774	0.0083783
7660-21	TPM4	6.888903	0.00867325
3401-8	PTPN2	6.874591	0.00874298
5248-68	PPIF	6.874192	0.00874493
11364-18	MFN1	6.862132	0.00880414
7922-5	ADM	6.859805	0.00881562
7981-230	B3GALT6	6.851544	0.00885647
3189-61	TMPRSS15	6.848312	0.00887251
9885-41	RAP2A	6.837156	0.00892809
4150-75	PLG	6.831547	0.00895617
13044-5	TSG101	6.776186	0.00923821
4815-25	TXNDC12	6.720133	0.00953305
12808-103	CARHSP1	6.694627	0.00967039
10008-43	GUCA1A	6.66	9.87E-03
5340-24	CASP10	6.643505	0.00995179
4130-71	FGF6	6.581041	0.01030706
3037-62	IL1B	6.405547	0.01137644
4140-3	IL7	6.394191	0.01144944
11162-37	EQTN	6.366625	0.01162866
9306-7	DEFB118	6.32928	0.01187605
11120-49	NAT14	6.311496	0.01199576
9929-16	HSD17B7	6.265383	0.01231196
12345-4	ANAPC10	6.243424	0.01246553
6965-19	CNTNAP2	6.204717	0.01274103
7221-56	CKAP4	6.190546	0.01284345
3477-63	NTRK1	6.178004	0.01293481
9327-3	LYPD1	6.130641	0.01328587
10626-116	ST6GALNAC3	6.104362	0.01348486
12535-2	XRCC1	6.084856	0.01363455
3181-50	CTSS	6.084736	0.01363548

2889-37	CTF1	6.069456	0.01375393
5106-52	NOTCH2	6.035368	0.01402202
8687-26	TMEM106B	6.020828	0.01413801
7002-1	MXRA8	5.962824	0.01461062
8347-222	DEFB129	5.949902	0.01471811
4254-6	NUDCD3	5.935624	0.01483781
13416-8	TMEM132D	5.902344	0.01512075
3685-53	MFRP	5.894845	0.01518527
3091-70	AURKA	5.885018	0.01527024
3174-2	ADAMTS1	5.849248	0.01558371
14689-3	SEC13	5.841117	0.01565588
8992-1	CEMIP2	5.805702	0.01597429
8297-8	DNAJC10	5.76452	0.01635295
8484-24	LEP	5.721932	0.01675428
6225-3	PRSS8	5.660604	0.01735015
2575-5	LEP	5.653641	0.01741917
14023-84	IBSP	5.646978	0.01748548
5939-42	TNFSF12	5.635414	0.01760119
5412-53	CD27	5.629983	0.0176558
13387-55	EHF	5.627626	0.01767956
4267-81	PES1.00	5.626067	0.01769529
10053-5	ILK	5.620621	0.01775036
12787-47	ZNF134	5.590932	0.01805369
6471-53	CFHR4	5.584224	0.01812296
9790-28	BRSK2	5.582438	0.01814145
13578-98	ABLIM3	5.548909	0.01849221
11117-2	SPATA20	5.528552	0.01870858
12851-5	POLM	5.499163	0.01902558
6631-17	COL9A1	5.455621	0.01950547
3357-67	CDK2 CCNA2	5.45463	0.01951654
6936-7	PMEPA1	5.411966	0.01999918
6518-85	GHRL	5.395491	0.02018885
14203-3	ANXA7	5.390697	0.02024439
12625-138	KLHL7	5.386241	0.02029615
7873-32	TSSK2	5.377397	0.02039929
12460-18	PSMA7	5.369875	0.02048744

14291-53	AGAP2	5.358086	0.0206264
2915-6	PCNA	5.357355	0.02063505
13731-14	C7	5.355808	0.02065336
12558-3	UBASH3B	5.353614	0.02067937
12826-5	SLC5A5	5.338115	0.02086402
4922-13	CCL19	5.324371	0.0210292
9357-4	CREG1	5.318287	0.02110275
9081-39	SLC30A3	5.318222	0.02110354
3867-49	SEZ6L2	5.307271	0.0212366
10668-5	STX4	5.2855	0.02150372
7713-50	FMR1	5.279651	0.02157607
4278-14	P4HB	5.238072	0.02209775
5612-16	HINT2	5.202284	0.02255723
7875-86	PLEK	5.176415	0.02289552
2829-19	IL27 EBI3	5.154916	0.02318066
6123-69	TP53	5.124581	0.02358926
7826-1	DCLK3	5.077691	0.02423562
9102-28	ZFYVE27	5.077187	0.02424267
8244-16	FUT8	5.071532	0.02432189
8997-4	NPTXR	5.05805	0.02451181
9057-19	ADRM1	5.036773	0.02481468
5753-21	TAF4A1	5.019424	0.0250645
9315-16	MUL1	5.003999	0.02528882
5599-88	PCYOX1L	4.997962	0.02537718
6904-14	LRRTM2	4.978319	0.02566691
6379-62	ADAMTSL2	4.974455	0.0257243
2768-56	HPX	4.969308	0.02580098
4234-8	IL1RL1	4.967312	0.02583076
9877-28	CRKL	4.958897	0.02595676
13094-75	RSPO3	4.953611	0.02603624
4842-62	GPC3	4.93803	0.02627196
2979-8	CXCL5	4.935807	0.02630578
8066-38	SYT9	4.905257	0.02677507
3453-87	LYN	4.904814	0.02678193
9526-3	CLPSL1	4.899064	0.02687125
12376-85	CDKN2D	4.89116	0.02699455

8386-11	PATE1	4.876651	0.02722238
3034-1	GFAP	4.863458	0.0274313
13104-32	EFNB1	4.845343	0.02772087
7084-1	DRAXIN	4.839039	0.0278224
12772-8	NUP98	4.795854	0.02852831
3879-50	CDC37	4.790341	0.02861976
6473-55	BPIFA1	4.784532	0.02871645
11320-29	CHFR	4.769	0.02897665
6572-10	LRRTM4	4.757055	0.02917844
3379-29	PRKCI	4.738527	0.02949432
9039-47	TOR1AIP1	4.728818	0.02966127
3642-4	CD84	4.7248	0.02973065
6609-22	CNP	4.708745	0.03000955
3761-4	PTGS2	4.70311	0.0301081
4545-53	DNAJC19	4.688147	0.03037138
4984-83	ESD	4.676389	0.03057996
2875-15	TBP	4.652147	0.03101474
8702-42	OSCAR	4.593299	0.03209718
11817-1	RPS6KB1	4.585707	0.03223966
11187-11	CLEC12A	4.579013	0.03236585
7839-99	TAFA3	4.562855	0.03267257
12556-7	UBE2C	4.561014	0.03270771
10800-15	SERPINH1	4.558475	0.03275622
7009-6	CD72	4.554822	0.03282618
11155-16	COL6A5	4.545951	0.03299669
13534-20	MYOM2	4.539441	0.0331224
9475-22	GPX5	4.53438	0.03322049
11465-4	GPR135	4.519689	0.03350692
10908-2	GALNT13	4.517747	0.03354497
5109-24	NRCAM	4.508385	0.03372907
4993-16	GSTA3	4.493914	0.03401571
5930-54	TNNI3	4.49334	0.03402713
13509-5	SCAMP5	4.483082	0.03423194
13691-10	SLC5A8	4.469663	0.0345018
4997-19	EIF4A3	4.467114	0.03455331
3056-11	KLRK1	4.466205	0.0345717

9250-87	DEFA1	4.460896	0.03467931
13093-6	SECTM1	4.453642	0.03482689
11626-7	UBE2V1	4.407889	0.03577309
9829-91	SULT2A1	4.400226	0.03593417
10418-36	STX12	4.383576	0.03628678
7915-31	APLP2	4.378709	0.03639055
6374-7	MMP20	4.377061	0.03642576
9188-119	CXCL9	4.361908	0.03675112
6395-58	GPHA2	4.331626	0.0374105
8458-16	SNCA	4.328522	0.03747878
8468-19	KLK3	4.313093	0.03782014
8337-65	PTPRU	4.290302	0.03833036
6462-12	TIMP4	4.264005	0.03892804
10580-14	SFTA2	4.241868	0.03943875
7989-5	C1orf226	4.205564	0.04029158
3315-15	GPC2	4.192458	0.04060418
12664-19	PTPN13	4.186173	0.04075499
13634-209	PIR	4.177577	0.04096222
3046-31	RETN	4.163486	0.0413043
10666-7	GNPTG	4.161079	0.04136305
13388-57	PCSK1	4.160833	0.04136906
12403-30	RAB39B	4.159773	0.04139496
13990-1	PC	4.147407	0.04169832
13472-35	HDHD2	4.147286	0.04170131
9970-7	UBXN4	4.144648	0.04176635
6054-6	NXPH3	4.14407	0.0417806
4493-92	IL11	4.123204	0.0422989
9844-138	ACTN2	4.119663	0.04238753
12365-108	RUVBL1	4.110125	0.04262721
7903-18	VAMP3	4.097123	0.04295625
11433-11	TCTN2	4.06462	0.04379053
6382-17	MANBA	4.054656	0.04404969
9187-2	HMGN1	4.053548	0.04407861
9470-15	METTL24	4.01919	0.04498533
7815-49	IGFBPL1	4.015989	0.0450708
7965-25	HBQ1	4.013874	0.04512734

9450-18	CDK2AP1	3.996004	0.04560828
7769-29	SH3BP2	3.992142	0.04571292
10980-11	ACHE	3.98397	0.04593519
4123-60	FGF4	3.963004	0.04651063
6603-18	ANOS1	3.953945	0.04676164
13114-50	LUM	3.952122	0.0468123
13101-60	SOST	3.940533	0.04713584
5759-10	EFNA3	3.939349	0.04716904
8838-10	GOLM2	3.938409	0.04719539
4212-5	EPS15L1	3.935118	0.04728783
13654-1	ROCK2	3.928592	0.04747166
7049-2	ADAM23	3.921209	0.04768059
9757-29	ENAH	3.907622	0.04806757
8346-9	DPP7	3.897518	0.0483575
10895-28	TMPRSS11B	3.886726	0.04866921
2578-67	CCL2	3.872791	0.04907485
9242-11	BTC	3.872081	0.0490956
2888-49	C7	3.871567	0.04911064
7131-8	CETP	3.870599	0.04913898
4280-47	PSMA2	3.861105	0.04941776
11205-10	ITGB7	3.860377	0.04943921
9583-17	RNF24	3.858746	0.04948729
4540-11	CBX5	3.85334	0.04964703
8952-65	CSF3	3.849375	0.04976454
12684-5	SCIN	3.839007	0.05007316
4330-4	KLK3	3.838904	0.05007625
7713-102	FMR1	3.829291	0.05036423
5688-65	CBLN4	3.814848	0.05080022
7625-27	YWHAQ	3.814004	0.05082582
3488-64	CAT	3.806165	0.05106426
7926-13	SPINT3	3.802947	0.05116245
11122-97	SPG21	3.80202	0.05119079
9934-29	PITPNA	3.792153	0.05149339
4557-61	KIRREL3	3.783544	0.05175892
3466-8	PRKACA	3.782523	0.0517905
13563-259	ACBD7	3.779751	0.05187639

3065-65	FGF5	3.778852	0.05190427
3000-66	MBL2	3.755533	0.05263301
13992-12	NSF	3.753306	0.05270316
10870-32	SPAST	3.751441	0.05276201
13723-6	IL10	3.745251	0.05295779
3855-56	PRDX1	3.742264	0.05305251
11096-57	N6AMT1	3.713075	0.05398783
11381-56	PRPS1	3.712869	0.0539945
5735-54	C1GALT1C1	3.704918	0.05425233
6521-35	NPTX2	3.702894	0.05431818
5490-53	SPOCK1	3.701391	0.05436712
7155-46	C4BPB	3.697462	0.05449529
4961-17	ANXA2	3.692584	0.05465489
5457-5	COLEC12	3.685059	0.05490203
5798-3	BID	3.677697	0.05514497
6507-16	NCAM2	3.676799	0.05517468
8794-13	DPEP1	3.669535	0.05541564
10945-11	STX6	3.659775	0.05574115
13441-30	DIXDC1	3.648456	0.05612122
2616-23	ERBB2	3.646287	0.05619434
10894-25	SCGN	3.645846	0.05620925
7181-17	VAPB	3.634424	0.05659618
5116-62	ROBO2	3.622406	0.05700639
6284-7	ALKAL2	3.616847	0.05719718
11264-33	XDH	3.616536	0.05720786
12754-14	CSDC2	3.614105	0.05729155
5639-49	NETO1	3.612498	0.05734694
6649-51	NTN1	3.611198	0.05739175
3440-7	GZMA	3.608397	0.05748851
5691-2	CRISPLD2	3.601894	0.05771377
9402-18	DCBLD1	3.594152	0.0579832
13085-18	GLP1R	3.59237	0.05804542
12372-50	TPM3	3.574319	0.0586795
9050-170	RSRP1	3.570054	0.05883039
13432-9	ZFYVE27	3.569134	0.05886301
6304-8	C1QTNF1	3.562485	0.05909922

7840-64	LGMN	3.561883	0.05912065
12931-16	NR3C2	3.557142	0.05928973
4137-57	IL25	3.546668	0.05966515
12855-16	CASS4	3.541037	0.05986801
12477-42	TSN	3.516518	0.06075998
4133-54	GZMB	3.516276	0.06076883
11103-24	HSPB1	3.483498	0.06198358
13699-6	KLK3	3.463962	0.06271987
11215-6	CDH15	3.462159	0.06278829
6932-42	ITGA5	3.459132	0.06290334
3499-77	IL17B	3.452631	0.06315116
10890-135	LCTL	3.452154	0.06316938
2748-3	INHBA	3.451017	0.06321285
13242-134	SHANK3	3.449888	0.06325605
9841-197	PAICS	3.445019	0.06344271
4562-1	NXPH1	3.442589	0.06353604
4143-74	XCL1	3.440988	0.06359765
5763-67	DEFB104A	3.439844	0.0636417
12340-17	AARS1	3.439066	0.06367166
7020-13	CHST5	3.429132	0.06405578
6236-51	CTHRC1	3.425043	0.06421456
7105-7	CABLES2	3.424975	0.0642172
12490-92	LAMTOR3	3.422734	0.06430443
3299-29	CNTN5	3.418999	0.06445007
10041-3	HNF4A	3.408925	0.06484468
10342-55	PIAS4	3.408009	0.06488069
6568-18	HEPACAM2	3.396438	0.06533737
10030-8	MUTYH	3.39	0.0657509
11186-12	TMEM52	3.384884	0.0657968
14095-1	KLRK1	3.379364	0.06601755
12815-9	IARS1	3.377383	0.06609692
2619-72	TACSTD2	3.365475	0.0665764
11258-41	MADCAM1	3.364024	0.06663506
12748-6	BRDT	3.357952	0.06688118
12469-19	MAPRE1	3.354275	0.06703072
9199-6	UBE2G2	3.351128	0.06715899

4428-1	CHST2	3.349413	0.06722899
10722-13	SYK	3.339537	0.06763366
5347-59	CCNB1	3.335017	0.0678197
4916-2	IGHD	3.334536	0.06783954
12717-65	TOX3	3.333147	0.06789685
13948-50	GABBR2	3.331628	0.06795957
7045-4	BNIP3	3.325829	0.06819961
9368-64	LRTM1	3.322782	0.06832613
9090-9	SYTL4	3.319245	0.06847327
14013-11	TANK	3.31766	0.06853932
2939-10	ARTN	3.3171	0.06856269
7182-1	CES1	3.317065	0.06856413
9256-78	NPTX1	3.309092	0.06889753
4135-84	IGHE	3.305873	0.06903264
12014-19	PTS	3.296681	0.06942003
12991-49	CUL9	3.294474	0.06951337
4294-16	SPHK1	3.292791	0.06958463
7185-29	GP5	3.28989	0.06970771
8100-15	ADM2	3.289024	0.06974447
11248-43	UROS	3.284405	0.06994096
9819-110	MCL1	3.281395	0.07006933
5082-51	IL1RAPL2	3.277056	0.07025487
14246-50	DOK2	3.265164	0.07076593
3321-2	IL24	3.26442	0.07079807
12737-12	PLS1	3.252566	0.07131175
5532-53	FGFR1	3.251856	0.07134264
5108-72	NOTCH3	3.247181	0.07154639
14226-120	BHMT2	3.244299	0.07167235
3178-5	CTSC	3.238485	0.07192711
8905-20	KCNMB3	3.238209	0.07193924
13712-104	GZMA	3.236913	0.07199618
13497-34	EIF3J	3.229151	0.07233819
4706-17	EPB41	3.228101	0.07238459
12923-51	KRT17	3.223607	0.07258353
3854-24	NACA	3.223133	0.07260453
9096-80	IRAG2	3.220227	0.07273355

6561-77	IGKV1-5	3.210344	0.07317409
11911-13	LRRC4B	3.208845	0.07324117
9815-5	ARHGAP1	3.205342	0.07339815
7778-104	CARD19	3.2012	0.07358427
7923-41	SEMA4C	3.197408	0.07375508
9889-42	AFAP1L1	3.197207	0.07376417
8404-102	BOLA2	3.194174	0.0739011
4184-43	EIF4EBP2	3.190324	0.07407531
8804-39	COL20A1	3.188772	0.07414568
3284-75	BGN	3.187936	0.07418361
9196-8	LGALS7	3.179815	0.07455317
7890-68	DPP10	3.167139	0.07513397
2785-15	CCL8	3.150034	0.07592539
7928-183	TPST1	3.1472	0.07605737
12368-18	KAT2B	3.144119	0.07620114
10453-7	CEACAM20	3.142094	0.07629577
8817-29	CENPV	3.137132	0.07652828
4559-64	KYNU	3.137075	0.07653096
7132-55	C1QL4	3.13123	0.07680579
3341-33	ABL1	3.13121	0.07680673
6715-63	ALPG	3.129179	0.07690248
10880-38	FAM163B	3.126787	0.07701541
4988-49	FGFR4	3.125033	0.0770983
3296-92	CNTN2	3.121159	0.07728181
2622-18	HMOX2	3.119717	0.07735021
13043-157	ATAD2	3.119657	0.07735309
4187-49	PGD	3.117435	0.0774586
5721-1	CD226	3.110213	0.07780278
5464-52	GRB2	3.0959	0.07848976
6075-61	HEXB	3.095222	0.07852244
10022-207	POLH	3.09	0.07859909
8971-9	NRXN1	3.092905	0.0786343
12895-28	DGKB	3.077487	0.07938307
9774-59	RNF150	3.071073	0.07969686
10425-3	B4GALT5	3.061861	0.08014985
6442-6	BAGE3	3.060726	0.08020585

14151-4	ISG15	3.049529	0.08076055
9384-17	CAMP	3.046471	0.0809128
12683-156	DPYSL5	3.03199	0.08163783
8104-21	IL10RA	3.030372	0.08171928
3415-61	IBSP	3.028838	0.0817966
7065-1	MPIG6B	3.028466	0.08181533
5590-11	ZPLD1	3.02669	0.08190496
12686-15	MPST	3.025544	0.08196284
3538-26	DDC	3.025063	0.08198715
14006-36	GNMT	3.023403	0.08207109
3054-3	HP	3.019419	0.08227295
7738-299	STX2	3.019294	0.08227926
4533-76	ADAMTS15	3.013015	0.08259851
12627-97	ATG7	3.001378	0.08319372
11468-15	RBM19	3.000315	0.08324833
12513-8	GLTP	2.995358	0.08350344
12835-101	PYDC1	2.993769	0.08358543
14074-2	SHC2	2.991585	0.08369821
13653-335	MACROD1	2.991531	0.083701
12604-16	SCMH1	2.991349	0.08371039
11429-80	HNRNPC	2.990261	0.08376665
3029-52	CD209	2.988432	0.08386135
3329-14	PGLYRP1	2.988277	0.08386936
11643-73	DTX3L	2.988264	0.08387001
9026-40	BTNL8	2.988106	0.0838782
11544-39	PHF3	2.979122	0.08434502
8352-26	SIGLEC12	2.976318	0.08449129
6260-14	TNC	2.975499	0.08453406
2857-70	NR3C1	2.974768	0.08457223
6494-60	SPACA5	2.96829	0.08491159
4500-50	CLEC11A	2.958064	0.08545019
8520-8	ADAM30	2.951446	0.08580078
3902-21	SKP1	2.948345	0.08596556
2474-54	APCS	2.948072	0.08598009
11851-21	TREM2	2.944671	0.08616124
7758-217	RNF215	2.941806	0.08631419

6390-18	NPS	2.931373	0.08687356
8065-245	PATE4	2.931024	0.08689238
12399-194	CCDC50	2.929575	0.08697038
14070-56	ITSN1	2.924867	0.0872244
3891-56	MBD4	2.92078	0.0874456
9219-70	NENF	2.919855	0.08749575
6621-10	RLN2	2.919852	0.0874959
13629-25	ATG4B	2.914175	0.0878043
14043-12	EEA1	2.912969	0.08787
12533-135	CYTH2	2.90922	0.08807447
10551-7	LAT	2.905042	0.08830296
8274-64	STX7	2.88857	0.08921006
9045-3	SLC27A2	2.885851	0.08936078
3730-81	TNFRSF4	2.882849	0.08952749
9507-55	FGFBP1	2.88165	0.08959415
5131-15	TNFRSF19	2.880499	0.08965824
3805-16	ESM1	2.879294	0.08972534
2567-5	CFI	2.868919	0.0903055
4876-32	F9	2.864784	0.09053785
2986-49	CXCL3	2.856705	0.09099374
6911-103	CLEC6A	2.856272	0.09101821
2747-3	ULBP3	2.85171	0.09127681
9578-263	MANSC4	2.846372	0.09158037
4912-17	GOT1	2.845624	0.091623
5534-49	TNFRSF10B	2.843841	0.09172473
5110-84	NRXN1	2.841188	0.09187625
7933-75	ADAM22	2.837681	0.09207699
5021-13	PPA1	2.836284	0.0921571
8009-121	SURF1	2.834624	0.09225241
4914-10	CGA CGB3 CGB7	2.830329	0.0924994
5350-14	GPC6	2.829579	0.0925426
8287-17	CD300E	2.826167	0.09273948
3473-78	MPL	2.826034	0.09274712
13748-4	CCL8	2.825335	0.09278752
4304-18	LCORL	2.824463	0.09283795
5651-50	PSG7	2.821699	0.09299791

5002-76	MMP14	2.812033	0.09355975
2723-9	IL37	2.81128	0.09360368
12536-46	MTMR6	2.811046	0.0936173
8007-19	CTSB	2.810997	0.0936202
5654-70	TMX3	2.809291	0.09371976
7982-10	MRPL32	2.80874	0.09375201
8758-2	PCDHA7	2.80433	0.09401013
5122-92	SEMA6A	2.800444	0.09423823
11310-8	DSG3	2.791727	0.09475208
12401-3	STAMBPL1	2.791046	0.09479231
11657-86	SOCS7	2.789804	0.09486586
6940-18	JPH1	2.783042	0.09526704
7761-125	CHKB	2.781276	0.09537218
3168-8	ADAMTS5	2.773821	0.0958172
3858-5	ACP1	2.773591	0.09583096
13726-4	CD80	2.773305	0.09584806
3413-50	BCL2A1	2.765984	0.09628747
9839-148	TIRAP	2.765072	0.09634235
2666-53	DCN	2.763565	0.09643315
8446-4	ADCYAP1	2.751243	0.09717883
12341-8	DUSP6	2.742182	0.09773122
9994-217	ATP4B	2.734133	0.09822482
3681-87	KLK14	2.732688	0.0983137
9926-4	S100P	2.727788	0.09861577
6081-52	PCOLCE2	2.722623	0.09893531
14121-24	TNFRSF10D	2.721971	0.09897573
5751-14	LETMD1	2.721367	0.09901319
2668-70	CAPN1 CAPNS1	2.719284	0.09914248
8269-327	ARSK	2.717257	0.09926846
3457-57	POSTN	2.716485	0.09931649
14756-29	ICAM2	2.714362	0.09944876
9176-3	MUC1	2.713977	0.09947274
3312-64	FCGR1A	2.708653	0.09980525
4122-12	DDR1	2.693752	0.10074233
8314-71	GNS	2.692977	0.10079137
4284-18	RBM39	2.69042	0.10095322

4194-26	ANP32B	2.688718	0.10106108
11649-3	SMAP1	2.68771	0.10112503
12022-12	SMAD4	2.687416	0.10114375
13934-3	MCF2L	2.686078	0.1012287
9398-30	GALP	2.679064	0.10167548
5648-28	CTRB2	2.664894	0.10258466
12511-83	SLC41A2	2.662133	0.10276282
14012-17	DHX58	2.662059	0.10276765
12885-42	NR1D2	2.657556	0.10305895
8978-30	MAP4K3	2.656513	0.10312657
9065-28	TXLNA	2.655992	0.1031604
12580-7	PSMB5	2.655377	0.10320028
4420-7	ADAM12	2.654305	0.10326986
14618-26	VOPP1	2.648252	0.10366384
13683-18	CLCNKB	2.64514	0.10386699
11493-169	DYNLL2	2.644243	0.10392566
13117-232	CHKB	2.637836	0.10434556
13539-131	KCNN1	2.629331	0.1049059
14250-115	BLMH	2.629225	0.10491291
2877-3	UBE2I	2.626751	0.10507653
10367-62	IL12A IL12B	2.618092	0.10565142
3397-7	PTPN11	2.614492	0.10589145
14273-19	PREP	2.61417	0.10591292
2599-51	TNFSF9	2.603832	0.10660564
6378-2	C5orf38	2.600329	0.10684151
7167-102	VAPA	2.598496	0.10696518
11128-29	TMEM132C	2.593823	0.10728108
11140-56	COL1A1	2.593097	0.10733027
12612-37	PSMB1	2.591309	0.10745152
10700-10	IGSF11	2.588499	0.10764232
12605-1	EXOSC3	2.577457	0.10839569
2946-52	CFD	2.575541	0.10852698
4908-6	ENG	2.569472	0.10894411
7905-30	HP	2.569304	0.10895564
9032-30	ROS1	2.562178	0.10944774
14045-12	NCOA2	2.555587	0.10990497

12699-28	CCT8	2.553161	0.11007381
10647-18	ASCC1	2.547314	0.11048195
8786-6	FAM171B	2.546868	0.11051311
14139-16	NRG4	2.545353	0.11061918
13098-93	VEGFD	2.539584	0.11102401
9955-40	RNF148	2.535446	0.11131544
11440-58	SOCS3	2.529844	0.11171127
8106-15	SSR1	2.524587	0.11208412
13481-24	TCEA2	2.524343	0.1121015
10693-43	KLRG2	2.524102	0.11211861
8253-2	POMGNT1	2.523649	0.11215082
10454-99	DNAJC16	2.523201	0.11218266
8834-58	CANX	2.522645	0.11222221
8239-223	BCHE	2.521995	0.11226849
2870-29	RAC1	2.521962	0.11227081
2879-9	SERPINA3	2.518681	0.11250468
8036-75	FSHB	2.518267	0.11253422
12945-33	RAB18	2.517381	0.11259744
2878-66	YES1	2.517037	0.11262201
10953-14	CLEC2A	2.512537	0.11294397
11352-42	TTN	2.505814	0.11342688
5256-86	PDE5A	2.504636	0.11351171
12461-8	SIRT5	2.503084	0.11362362
10974-20	SPINK7	2.498243	0.11397336
7174-15	CD38	2.49285	0.11436448
6371-50	ANGPTL7	2.482606	0.11511136
11178-21	SVEP1	2.480097	0.11529515
6352-8	INSRR	2.47777	0.11546588
5738-25	TNC	2.474031	0.11574077
8304-50	TNFRSF11B	2.469832	0.11605036
10510-62	SCIMP	2.460991	0.11670512
3191-50	WFIKKN1	2.459021	0.11685156
9337-43	TAC1	2.457001	0.11700197
4132-27	FST	2.456793	0.1170175
10430-31	SLC3A2	2.451833	0.11738774
10758-2	KERA	2.451171	0.11743725

9768-5	IL10RA	2.444213	0.11795906
9372-157	MPZL2	2.441639	0.11815272
10569-28	MFAP2	2.437521	0.11846328
9444-70	DGCR6	2.431198	0.11894198
3314-74	GFRA1	2.426975	0.11926281
13268-45	WNT5A	2.425689	0.11936076
12431-13	PELO	2.424848	0.11942479
2615-60	EFNA5	2.424503	0.11945113
13386-248	RNF34	2.424064	0.11948461
2869-68	PRKCD	2.42382	0.11950321
8991-115	FCRL4	2.418173	0.11993472
11278-4	COL11A2	2.411286	0.12046334
9107-59	ARMC10	2.411254	0.1204658
12540-25	RHOG	2.405985	0.12087199
13730-18	CTSC	2.404461	0.12098979
8899-75	UGT1A8	2.4041	0.12101768
3305-6	DLL4	2.400951	0.12126152
3813-3	FYN	2.3892	0.12217617
7069-9	TSNARE1	2.388278	0.12224825
3320-49	IGFBP7	2.387379	0.12231855
3896-5	PGAM1	2.386884	0.12235733
2278-61	TIMP2	2.380568	0.12285283
8080-24	MSMP	2.379938	0.12290244
9832-33	HGD	2.37971	0.12292033
11318-20	APOA5	2.378624	0.12300583
5657-28	ST3GAL1	2.376807	0.12314901
13732-79	CTF1	2.370492	0.12364807
12954-71	PPARA	2.3681	0.12383768
5723-4	INSL3	2.365464	0.12404703
4332-6	CLEC1B	2.364389	0.1241325
2421-7	BDNF	2.362573	0.12427703
8289-8	GPNMB	2.35514	0.12487069
4718-5	PPIB	2.348137	0.12543286
13979-3	SLC26A7	2.34481	0.12570086
11375-49	FOXL2	2.34031	0.12606449
2719-3	CSF3R	2.337987	0.12625263

11287-14	CYB5A	2.336595	0.12636553
6617-12	FCRL6	2.335507	0.12645382
9350-3	FSTL4	2.329945	0.12690633
5963-9	DMKN	2.329943	0.12690655
13620-10	GET3	2.329942	0.12690663
3535-84	DKK1.00	2.329451	0.12694663
10781-19	CLEC4G	2.325337	0.12728263
13431-74	SHISAL2A	2.323879	0.12740193
6653-58	CD47	2.323749	0.12741265
8340-9	DEFB110	2.320753	0.12765822
7752-31	CLEC4D	2.320104	0.12771148
10713-151	CD300LB	2.319579	0.12775459
8242-9	CLEC2L	2.319419	0.12776773
6915-2	CD164L2	2.319268	0.12778014
10438-19	CSF2RA	2.316437	0.12801294
10981-56	NRG3	2.315724	0.12807165
2942-50	CYCS	2.315512	0.12808912
7146-16	PDIA4	2.315378	0.12810019
9182-3	LRP1	2.315153	0.12811868
12936-38	RLBP1	2.314002	0.12821358
2644-11	PRKCA	2.312368	0.12834841
9058-1	TIMM21	2.308191	0.12869377
14086-11	SMPDL3A	2.307936	0.12871487
12463-7	KLHL13	2.307208	0.12877518
10037-98	SIGLEC12	2.306266	0.12885325
7879-12	CYP3A4	2.306199	0.12885879
6431-68	PCYOX1	2.304761	0.12897815
2858-29	HAT1	2.302689	0.12915027
2826-53	EDA	2.300098	0.12936585
3416-2	BTK	2.293714	0.12989876
9312-8	AZGP1	2.293293	0.12993403
13524-25	HS6ST2	2.292533	0.12999763
3078-1	PGF	2.291832	0.13005637
11263-57	CASQ1	2.29027	0.13018731
3356-50	CA7	2.288255	0.13035638
2835-1	XRCC6	2.285888	0.13055541

12659-13	OLA1	2.283875	0.13072487
10390-21	ZNRF3	2.280745	0.13098895
5307-12	F9	2.27692	0.13131238
7196-21	IFNW1	2.2749	0.13148361
9995-6	DUT	2.2749	0.13148364
10006-25	ELK1	2.27	1.32E-01
12876-39	SPEF1	2.273496	0.13160274
8924-55	CALY	2.270453	0.13186134
2972-57	BMP7	2.269823	0.13191499
11565-58	ZNF23	2.268614	0.13201795
10760-107	GRIA4	2.265922	0.13224752
11231-12	FDX2	2.258683	0.13286703
11383-41	KRT7	2.258233	0.1329056
3814-63	IL11RA	2.25709	0.13300376
7842-52	SERF1A	2.256689	0.13303824
2952-75	IGF1	2.254119	0.13325927
3471-49	STK16	2.250593	0.13356323
14108-15	TGFB1	2.249094	0.13369269
5740-17	ROBO1	2.24672	0.13389797
4889-82	WNT7A	2.245445	0.13400835
9576-58	MNX1	2.243927	0.13413989
13583-19	APAF1	2.242344	0.13427731
7921-65	FJX1	2.230868	0.13527781
4995-16	HPGD	2.224417	0.1358439
10003-15	ZNF41	2.22	1.36E-01
11669-39	SLCO5A1	2.222717	0.13599357
7099-33	FSTL5	2.222141	0.1360443
12671-35	SULT1B1	2.222027	0.13605434
5656-53	ENDOU	2.217849	0.13642297
11143-32	OLFM3	2.216654	0.13652866
5456-59	CNDP1	2.215306	0.13664794
9237-54	ACP2	2.207621	0.13733034
5724-58	SBSN	2.205491	0.1375201
7789-182	PRDX4	2.199535	0.13805241
4146-58	NTF4	2.195491	0.13841507
8351-17	PRSS57	2.193122	0.13862805

14157-21	YWHAE	2.189827	0.13892493
7071-23	MAN1B1	2.189402	0.13896325
7148-42	ANTKMT	2.183025	0.13953998
13434-172	PARVA	2.179305	0.1398776
6895-1	TFRC	2.178186	0.13997939
8364-74	UST	2.176583	0.14012531
2524-56	HMGB1	2.168609	0.14085363
3494-71	FGF17	2.167684	0.14093838
4128-27	CCL24	2.166989	0.14100204
11262-39	TRABD	2.166801	0.14101935
8951-162	CSPG4	2.165294	0.14115766
8970-9	RIPK2	2.164788	0.14120407
8681-93	PGRMC2	2.164356	0.1412438
12685-57	HOMER2	2.162287	0.14143409
6546-41	DKK2.00	2.157131	0.14190942
3192-3	CNDP2	2.156402	0.14197675
4397-26	IFNL2	2.153998	0.14219918
2985-35	CXCL1	2.153218	0.14227147
11952-1	IGDCC3	2.152165	0.14236898
4566-24	RSPO2	2.147204	0.14282981
7225-51	MMGT1	2.146916	0.14285655
12488-9	MCTS1	2.146865	0.1428613
3505-6	LTA LTB	2.146469	0.14289823
12804-5	GMEB2	2.146007	0.14294123
9511-61	NXPH2	2.144967	0.14303815
11428-31	PDLIM1	2.142834	0.14323711
6407-63	LAD1	2.142326	0.14328454
12434-25	IST1	2.141389	0.14337199
11614-29	ERH	2.140262	0.14347735
4811-33	ITIH4	2.13969	0.14353089
3346-72	AURKB	2.139671	0.14353269
9197-4	LGALS9	2.132433	0.14421169
6367-66	FMOD	2.130915	0.14435458
12646-2	RPE	2.130596	0.14438462
12617-2	STK24	2.127862	0.14464237
13711-10	CLTC	2.125918	0.14482603

7240-2	MBTPS1	2.123442	0.14506019
14039-33	KLK5	2.123194	0.14508374
8305-18	SULF2	2.122962	0.14510568
7818-101	GBP6	2.122697	0.14513082
13573-5	ARPC3	2.11738	0.14563548
6103-70	FCRL5	2.114371	0.14592197
12695-62	KLHL12	2.110356	0.14630524
5358-3	OMD	2.109304	0.14640594
5609-92	TAFA5	2.108756	0.14645831
14065-11	CD5	2.108156	0.14651573
2523-31	CCL5	2.107156	0.1466116
11254-13	PAPLN	2.10624	0.14669934
11439-88	RHPN2	2.106148	0.14670818
10499-1	TMEM106A	2.10533	0.14678668
9111-40	JPH4	2.10526	0.14679339
10832-24	B4GALT6	2.101211	0.14718252
4551-72	ADGRG5	2.100906	0.14721186
12620-3	SEPTIN11	2.100413	0.14725936
2974-61	CNTN1	2.100269	0.14727325
5084-154	IL17RB	2.097885	0.14750304
7147-35	WFDC8	2.097177	0.14757137
6531-29	FAM162A	2.097049	0.14758375
5900-11	HINT1	2.096164	0.14766919
10575-31	PUF60	2.092654	0.14800874
14205-6	HEXIM2	2.091766	0.14809482
10563-13	LYSMD3	2.0912	0.14814968
7787-25	LILRA5	2.090857	0.14818288
13663-2	IL4	2.088177	0.14844307
13615-60	NCK2	2.084204	0.14882982
12724-81	CIRBP	2.082744	0.14897219
14633-26	TMEM185A	2.077451	0.14948965
10023-32	VDR	2.07	0.14983237
3362-61	CHRD1	2.073444	0.14988274
7782-34	EDDM3B	2.066929	0.15052431
13129-40	LDLR	2.066881	0.15052906
5754-76	INSL6	2.065494	0.15066614

3400-49	TBK1	2.062793	0.15093326
9805-51	SEMA4B	2.057405	0.15146794
2182-54	C4A C4B	2.056853	0.15152286
10085-25	STAR	2.053713	0.15183548
7207-4	IK	2.051683	0.15203805
5526-53	TNFRSF18	2.038453	0.1533656
11633-89	AHSA1	2.037348	0.15347705
8922-4	TMCC3	2.036629	0.15354961
7809-22	SPATA9	2.035832	0.15363011
9853-3	IFIT2	2.030331	0.15418702
12676-1	PACSIN1	2.026455	0.15458076
5008-51	SOD2	2.024037	0.15482702
12576-21	MAGEA3	2.023237	0.15490864
6064-4	ERP44	2.022263	0.15500799
13423-94	PRXL2A	2.016521	0.1555953
2960-66	CFP	2.016079	0.15564059
5476-66	PRKCG	2.015858	0.1556632
8969-49	CD14	2.014822	0.15576953
14072-9	TPT1	2.012492	0.15600887
10948-14	PLD3	2.011667	0.15609377
9581-4	PRPF6	2.009447	0.15632224
9263-57	SIAE	2.006939	0.15658093
9002-36	SERPINA11	2.005003	0.15678102
3201-49	KLK5	2.002217	0.15706932
10892-8	OSMR	2.001636	0.15712955
13933-276	NAB1	2.000969	0.1571987
5861-78	HAAO	2.000792	0.15721703
8429-16	AXIN2	2.000001	0.15729912
3644-5	DKKL1	1.997608	0.15754768
4309-59	TPI1	1.997568	0.1575518
3200-49	KLK13	1.996261	0.15768779
8097-77	LIPN	1.994522	0.15786887
7215-18	CYB5R3	1.993295	0.15799677
11872-9	PCDHGB1	1.988763	0.15847023
2833-20	KLK4	1.983724	0.15899868
11568-2	FKBP1B	1.974761	0.15994337

13566-2	SSU72	1.97407	0.16001648
7943-16	CUZD1	1.97111	0.1603301
10767-52	ADGRG2	1.970064	0.16044104
9213-24	FTCD	1.968455	0.16061199
11330-15	CSNK2B	1.967864	0.16067472
5007-1	MAPK14	1.967086	0.16075747
5488-74	SRC	1.966027	0.16087018
4440-15	FCRL3	1.962959	0.16119719
5748-20	ASAH1	1.960619	0.16144709
10391-1	ANGPTL3	1.955538	0.16199137
11715-1	POU2F1	1.954046	0.16215155
5255-22	PDE4D	1.953771	0.16218105
3317-33	HTRA2	1.951291	0.16244779
8660-33	OLFML3	1.945989	0.16301978
4149-8	PDGFB	1.945188	0.16310633
8237-56	SOSTDC1	1.943633	0.16327465
9118-7	PSD2	1.943543	0.16328434
5736-1	TREML2	1.943019	0.16334113
8006-12	DNAJB12	1.942027	0.16344858
6398-12	LONP1	1.93825	0.16385866
13411-21	RNF41	1.938154	0.16386916
3316-58	SERPIND1	1.937371	0.16395426
5204-13	PSME3	1.936633	0.16403457
7768-10	CPM	1.932519	0.16448309
9794-17	COQ8B	1.932352	0.16450132
14286-2	NFATC1	1.931188	0.16462849
6350-43	APOC2	1.924618	0.16534851
3800-71	CKB	1.922322	0.16560092
4374-45	GDF15	1.920536	0.16579761
9123-18	CBARP	1.91948	0.16591397
14283-12	RAB14	1.91579	0.16632151
11285-8	CD34	1.909823	0.16698294
11407-57	PLSCR3	1.909426	0.16702699
10054-3	GAN	1.90708	0.16728795
13231-90	IGHG4	1.906978	0.16729928
12543-76	ZNF560	1.8981	0.16829118

10815-2	HABP4	1.893899	0.16876286
4859-6	BMPR1A	1.893888	0.16876407
2746-56	CRLF2	1.891597	0.16902189
9594-30	SLC30A5	1.890449	0.16915132
3396-54	REN	1.887776	0.16945295
13055-53	PSD	1.884522	0.16982107
3844-2	PPIA	1.884276	0.16984896
11436-6	INA	1.883292	0.16996042
14332-3	RALA	1.878365	0.17052009
11280-6	GAD1	1.878131	0.17054672
9380-2	PLA2G12B	1.877642	0.17060236
6918-183	CCK	1.868726	0.1716211
11444-49	POLR3F	1.866871	0.17183391
13548-53	PLPP4	1.865123	0.17203474
9394-19	CPQ	1.863117	0.17226545
3611-70	ECE1	1.861016	0.17250758
8872-1	SEC61G	1.860493	0.17256796
13603-7	RFESD	1.859396	0.17269452
5594-87	MESD	1.858723	0.17277225
11459-81	ELL	1.853977	0.17332152
10000-28	CRYBB2	1.85	1.73E-01
6256-9	LY6G6C	1.853048	0.17342935
3302-58	CST7	1.852034	0.17354702
8424-269	CTNNB1	1.848775	0.17392592
10512-13	CSF2RB	1.847581	0.17406502
11677-17	ZDHHC14	1.845257	0.17433601
9055-81	MYZAP	1.842473	0.17466142
6536-54	PLBD2	1.841022	0.17483121
10455-196	IL31	1.839087	0.17505805
9981-18	FAM234B	1.83679	0.17532763
9008-6	PRRG1	1.83489	0.17555101
8255-34	IRAG1	1.834378	0.17561132
3554-24	ADIPOQ	1.833734	0.17568714
14021-81	MED4	1.829465	0.17619072
10672-75	SFTPB	1.828864	0.17626173
11336-9	FANCF	1.8286	0.17629303

11534-6	LRIT3	1.823601	0.17688529
12350-86	ETS2	1.822973	0.17695974
11712-207	UNC45A	1.820109	0.17730033
2788-55	MMP3	1.815051	0.17790354
3132-1	VEGFC	1.81502	0.17790716
13729-26	SFXN5	1.806213	0.17896324
11293-14	LRRN1	1.805798	0.17901308
12781-2	TARBP2	1.804482	0.1791716
10074-128	BRD2	1.80085	0.17960973
13671-40	ELANE	1.795951	0.18020275
3797-1	CDH2	1.794074	0.18043063
6280-11	PCDH8	1.792911	0.18057185
11109-56	SVEP1	1.792653	0.18060327
3055-54	IL4R	1.79223	0.18065471
5822-22	GDNF	1.791644	0.18072596
10940-25	SRL	1.790191	0.18090286
12515-45	UCK2	1.782725	0.18181503
9793-145	IGDCC4	1.778755	0.18230228
5593-11	PDIA5	1.778522	0.18233096
4986-59	PTK2	1.774418	0.18283632
9369-174	LRRC4C	1.772107	0.18312156
7897-75	DLG3	1.768703	0.18354267
10081-17	SATB2	1.766956	0.1837593
7892-132	FAM234B	1.766224	0.18385011
5231-79	PCSK9	1.764599	0.1840519
6383-90	TLL1	1.761514	0.18443574
3378-49	KLK7	1.758599	0.18479934
4909-68	LGALS8	1.756639	0.18504425
5349-69	DLL1	1.755657	0.18516711
5666-64	IL1R2	1.754505	0.18531133
3497-13	IFNA2	1.753315	0.18546049
2848-2	WIF1	1.75202	0.18562304
12860-7	ARPP21	1.750558	0.18580659
8606-39	GPNUMB	1.750146	0.18585832
3817-18	PRKCQ	1.747241	0.18622389
13495-48	HCAR2	1.743533	0.18669185

7267-2	SPTLC2	1.743214	0.18673205
11601-26	DHX8	1.741445	0.18695583
10464-6	ANTXR1	1.739686	0.18717856
12524-18	SAT2	1.738765	0.1872954
5694-57	SMOC1	1.735091	0.18776205
13518-5	ASAP2	1.734503	0.18783689
5897-58	GRP	1.734025	0.18789765
7245-2	CELF2	1.733966	0.18790514
12893-159	IFI16	1.731225	0.18825458
10903-50	STX8	1.73118	0.18826032
4480-59	C3	1.729052	0.18853202
14056-4	CGA	1.725741	0.18895569
11227-31	TBL2	1.725306	0.1890115
13993-20	EPB41L1	1.724191	0.18915446
9089-77	JPH3	1.723765	0.18920908
2754-50	C3	1.721742	0.18946891
13936-24	PGK2.00	1.720862	0.18958211
14663-44	RNF8	1.720634	0.18961141
11161-5	SPART	1.718926	0.18983138
12847-27	RNGTT	1.717281	0.19004346
6974-6	CD74	1.717032	0.1900755
11126-102	TRIO	1.716437	0.19015233
12697-30	PIP4K2A	1.715909	0.19022044
5017-19	PRDX5	1.715133	0.19032068
9773-15	RNF149	1.70927	0.19108006
12843-6	ZNF410	1.709141	0.19109688
13460-4	CHAD	1.705015	0.19163343
4693-72	HIBADH	1.704856	0.1916541
9114-84	UMODL1	1.700285	0.19225067
7141-21	MGAT4B	1.69873	0.19245417
3220-40	RET	1.696961	0.19268592
3197-70	IDE	1.693804	0.19310028
5954-62	PTH	1.688608	0.19378456
12497-29	NUDT16L1	1.688365	0.19381665
11416-23	FBXL4	1.687826	0.19388779
6247-9	SIRPB1	1.685534	0.1941907

4915-64	HBA1 HBB	1.685518	0.1941928
9863-1	TPM4	1.684603	0.19431391
12367-52	MACO1	1.684284	0.19435623
3049-61	PRSS1	1.674611	0.19564204
10748-216	PCDHB2	1.674384	0.19567231
11837-7	TNFRSF18	1.669915	0.19626989
8358-30	PRDX3	1.666996	0.1966614
13628-58	GRB14	1.666552	0.19672101
9207-60	CRYZL1	1.660796	0.19749586
2859-69	HDAC8	1.659905	0.1976161
9040-144	EPDR1	1.655294	0.1982399
7655-11	NPPB	1.654779	0.19830967
12577-100	FEN1	1.652486	0.19862092
4155-3	TNC	1.651541	0.19874936
9335-28	PSG9	1.650944	0.19883053
2436-49	CXCL16	1.65032	0.19891541
5743-82	CARTPT	1.649879	0.19897533
11228-37	RIC3	1.648903	0.19910834
9802-27	PNPLA2	1.647655	0.1992784
5114-65	PRLR	1.645448	0.19957967
5629-58	KLRC1	1.645327	0.19959615
9169-14	SUMO3	1.642153	0.20003038
4232-19	IGF1R	1.641026	0.20018481
10361-25	OAS1	1.639981	0.20032803
7638-30	LMAN2	1.639539	0.20038878
14149-9	IL36B	1.637721	0.20063845
13519-112	ARHGEF25	1.636692	0.20077998
2816-50	BCAM	1.636508	0.20080531
5627-53	GNRH1	1.636507	0.20080541
10605-22	APMAP	1.634519	0.20107913
11229-16	ERN1.00	1.632538	0.20135242
10011-65	OCRL	1.63	0.20183778
3024-18	SERPINF2	1.628106	0.20196526
6461-54	APOC3	1.6281	0.201966
2750-3	APOA1	1.627665	0.20202631
14060-67	NCF4	1.627608	0.20203418

8418-30	CTNNB1	1.624525	0.20246202
12599-10	FERMT3	1.624484	0.20246772
13547-5	HTR7	1.620573	0.20301193
9279-7	IGSF11	1.619716	0.20313138
12637-7	CRAT	1.618065	0.20336184
7962-11	SPINK8	1.616032	0.20364589
3654-27	BMPER	1.615811	0.20367681
3392-68	AKT3	1.615359	0.20374018
6478-2	IGLON5	1.61303	0.20406634
7139-14	SLITRK4	1.611777	0.20424223
9173-21	PGM1	1.61172	0.20425016
2806-49	ACVR1B	1.611446	0.20428871
13576-15	GSTP1	1.60755	0.20483656
12694-28	DIMT1	1.607229	0.20488178
9514-46	EFCAB14	1.606366	0.20500335
5335-73	ANXA6	1.604308	0.20529383
9609-25	ZNF275	1.602264	0.2055826
14153-8	EFNA3	1.601852	0.20564094
11629-36	TRAF4	1.599645	0.20595353
2741-22	SIGLEC6	1.598571	0.2061058
7131-207	TNC	1.596991	0.20633013
12790-10	CCDC51	1.595277	0.20657384
3376-49	IL17RD	1.588044	0.20760586
11570-94	BCAP29	1.587664	0.20766021
13042-7	KCNA10	1.586452	0.20783377
7191-32	SLMAP	1.585775	0.20793076
4159-130	CFH	1.585289	0.20800047
8866-53	QPCTL	1.584497	0.20811407
8356-88	OXT	1.583926	0.20819609
7997-118	DOC2B	1.581213	0.20858599
5494-52	SNRPF	1.579881	0.20877787
8878-48	YTHDC1	1.577571	0.20911097
12548-75	RRAGC	1.57664	0.20924537
6357-83	CELA3B	1.575941	0.20934635
3592-4	CAMK1	1.575008	0.20948128
8854-59	RRM2B	1.573814	0.20965399

12665-16	ILF2	1.571933	0.20992649
8909-77	GNPDA1	1.567642	0.21054972
11312-40	PMS2	1.565461	0.21086739
10785-8	LRRC52	1.564523	0.21100414
10535-25	COX6A2	1.564499	0.21100765
13998-26	ADSS1	1.562868	0.21124577
2443-10	FGF8	1.560065	0.21165567
14025-18	TNFRSF9	1.559165	0.21178748
4969-2	CA1	1.557745	0.21199573
7064-2	VAMP8	1.557729	0.21199802
7163-26	LACRT	1.553457	0.2126258
5858-6	YWHAZ	1.553428	0.21263015
9513-9	FGF22	1.548434	0.21336675
6586-19	ADAM11	1.547455	0.21351152
2966-65	CLEC11A	1.546075	0.21371583
9070-1	C17orf67	1.545647	0.2137792
2609-59	CST3	1.54534	0.21382476
4162-54	TF	1.543542	0.2140913
3623-84	LY86	1.54261	0.2142297
7117-21	SERPINI2	1.536514	0.21513743
6547-83	TMPRSS11D	1.535343	0.21531226
10048-7	CBFB	1.534748	0.21540124
4394-71	FGF8	1.534499	0.21543853
9838-4	SMAD1	1.534123	0.21549464
13113-7	SPP1	1.533396	0.21560347
7140-1	CELA2A	1.53337	0.21560732
2943-5	CYP3A4	1.532782	0.21569534
8556-5	RETREG1	1.531989	0.21581418
3293-2	CD5L	1.528187	0.21638479
3350-53	CAMK2A	1.527742	0.21645171
10910-6	CEACAM4	1.527121	0.21654509
4389-2	DHH	1.524409	0.21695348
5452-71	ASGR1	1.523564	0.21708095
13599-15	RABEPK	1.523548	0.21708336
2993-1	IL18RAP	1.522465	0.21724678
7935-26	LARGE1	1.521913	0.21733029

11101-18	TLR4	1.521683	0.21736493
9940-35	DUSP28	1.521667	0.2173674
11356-19	ESS2	1.514923	0.21838948
2431-17	CTSG	1.514001	0.21852954
6036-78	EPHA10	1.513699	0.21857548
8039-41	FAM177A1	1.512797	0.21871281
9930-48	GABBR2	1.512175	0.21880745
3452-17	LCK	1.509077	0.21927996
14112-40	RELT	1.508674	0.21934147
2590-69	ROR1	1.507358	0.21954265
6984-6	IGSF8	1.506955	0.21960425
2839-2	TNFSF4	1.506118	0.21973239
13130-150	HK2	1.505775	0.21978496
6528-95	EXTL2	1.505002	0.21990329
7959-34	CDH7	1.503028	0.22020599
2755-8	C3	1.502356	0.22030914
5653-23	PRSS37	1.502352	0.22030982
13450-49	USP8	1.501872	0.22038355
2730-58	MICA	1.501308	0.22047019
8062-15	EVA1B	1.499833	0.22069702
10451-11	NUCB1	1.499422	0.22076031
9245-1	KIR2DL4	1.497716	0.2210232
13498-1	MIOX	1.495564	0.22135522
14337-1	TRAPPC3	1.491638	0.22196253
7825-7	ABHD12	1.490391	0.22215573
12449-16	PPIH	1.488039	0.22252092
6456-17	PSG6	1.487508	0.22260348
9025-5	AHSP	1.485368	0.22293651
9021-1	HAVCR1	1.480863	0.22363958
8016-19	DNAJC4	1.480211	0.2237415
9013-60	NTN1	1.477747	0.22412741
7898-29	MDM1	1.475249	0.22451927
4467-49	SPARCL1	1.47312	0.22485414
11308-8	CREB3L4	1.471975	0.22503436
6400-33	TP53I13	1.47142	0.22512177
12743-18	BAG5	1.46932	0.225453

5614-44	CRH	1.468684	0.2255534
11449-22	CAPZA1	1.467555	0.2257319
9282-12	CRISP2	1.465211	0.22610277
2753-2	C1QA C1QB C1QC	1.463378	0.2263934
6273-58	P3H1	1.462623	0.22651325
14124-6	EFNA2	1.461173	0.22674361
5611-56	DEFB108B	1.460829	0.22679829
13669-6	FGFR3	1.460762	0.22680897
14008-22	DCP1A	1.457538	0.22732229
8957-72	ERLEC1	1.457206	0.22737521
9971-5	CSMD2	1.455906	0.22758272
6172-7	UBC	1.455757	0.22760642
4498-62	NCAM1	1.455026	0.22772326
5018-68	PRDX6	1.454726	0.22777111
4862-63	BMPR2	1.452786	0.22808145
8762-38	CD70	1.451243	0.22832868
3038-9	CXCL11	1.450576	0.2284356
10505-12	RNF43	1.45055	0.2284397
13078-3	CETN2	1.448688	0.22873853
5707-55	ELK3	1.443711	0.22953984
13013-41	PRKN	1.443523	0.22957005
8396-42	FAAH2	1.440361	0.23008086
9755-19	DBNL	1.440204	0.23010638
7154-92	LEG1	1.438071	0.23045176
4127-75	C6	1.437949	0.23047146
9290-8	RMDN3	1.437648	0.23052037
10772-21	CSGALNACT2	1.436313	0.23073683
8038-41	NSDHL	1.436055	0.23077881
12764-3	ELMO1	1.43306	0.23126573
6957-14	PNLIPRP2	1.432077	0.23142579
11281-6	GRB7	1.430927	0.23161324
14005-2	CHD7	1.429965	0.23177008
7920-30	ST8SIA2	1.427373	0.23219368
13465-5	RCAN1	1.426525	0.23233237
14134-49	AMIGO2	1.425092	0.2325671
6556-5	ENPP5	1.424978	0.23258575

13126-52	DSC2	1.424714	0.23262911
11284-24	LAIR1	1.42438	0.23268383
14662-6	MZF1	1.420568	0.23330997
6217-23	QSOX1	1.420287	0.23335618
7870-8	CNDP1	1.419708	0.2334515
10550-37	BMPR1B	1.419037	0.2335619
3766-51	STX1A	1.418324	0.23367949
10336-3	STUB1	1.415143	0.23420443
12018-84	TPK1	1.414805	0.23426038
10382-1	ANGPTL3	1.414585	0.23429667
3651-50	KDR	1.413736	0.23443726
7871-16	TMEM132A	1.412565	0.23463109
6022-57	NELL2	1.41171	0.23477278
4126-22	BPI	1.407985	0.23539125
3360-50	CHEK2	1.404555	0.23596247
14081-5	ULBP1	1.403882	0.23607474
8906-60	LRTM2	1.400532	0.23663444
7945-10	SEMA6A	1.396373	0.23733175
9053-16	CRIP2	1.394692	0.23761437
9523-34	ITM2C	1.392352	0.23800823
4139-71	IL6R	1.390793	0.23827129
13742-66	IL22	1.389475	0.23849373
13511-29	SATB1	1.386731	0.23895797
7958-15	KIRREL2	1.386552	0.23898826
5363-51	SEMA3E	1.386403	0.2390135
10064-12	RBBP9	1.385758	0.23912282
8071-114	PCDHB7	1.383355	0.23953047
10531-18	NRAS	1.382188	0.23972887
11490-42	UBL4A	1.382185	0.23972938
3634-5	OPCML	1.380059	0.24009117
13690-26	BGN	1.379642	0.24016213
10976-44	MUC1	1.379558	0.24017645
12650-43	GNAI3	1.379024	0.24026752
12433-8	ARL11.00	1.378765	0.24031162
3309-2	FCGR2A	1.378665	0.24032874
8892-14	PEAR1	1.37795	0.24045067

10480-33	CD59	1.37437	0.24106239
11219-95	FGFBP3	1.365365	0.24260988
12518-289	PBRM1	1.364931	0.24268469
11217-16	CTBP1	1.360351	0.24347666
9545-156	GZMK	1.359372	0.24364642
5440-26	TNNI2	1.358574	0.24378472
9895-77	ERCC4	1.356551	0.24413605
12361-102	RRAS2	1.355742	0.24427686
10737-96	SERPINB1	1.355178	0.2443749
8233-2	ITIH5	1.354267	0.24453353
3498-53	IL17A	1.350412	0.24520612
3903-49	SNX4	1.348922	0.24546669
6504-65	LOXL2	1.348553	0.24553132
5690-49	TUFT1	1.34667	0.24586112
8306-54	PRRG1	1.340021	0.24703026
4978-54	DBNL	1.339288	0.24715949
8814-33	PSAPL1	1.338978	0.24721435
13384-110	FH	1.336466	0.24765824
11573-3	SRSF6	1.334564	0.24799491
7253-6	QKI	1.332637	0.24833669
10600-24	CLGN	1.332586	0.24834564
6587-6	LRFN5	1.332278	0.24840028
5692-79	TNF	1.331946	0.24845923
12462-20	SETMAR	1.331425	0.24855188
7116-31	OSCAR	1.330619	0.24869515
9787-23	COLEC12	1.329809	0.24883928
4979-34	DPT	1.328874	0.24900561
2654-19	TNFRSF1A	1.328461	0.24907918
8462-18	GH1	1.327821	0.24919331
3336-50	TFPI	1.327609	0.249231
7115-5	SEMG1	1.326347	0.24945615
7019-13	SEMA7A	1.325967	0.249524
5020-50	PGK1.00	1.323844	0.24990329
7266-4	SERPINA9	1.32383	0.24990587
8390-25	COX7A1	1.320944	0.25042264
12750-9	ITGB2	1.31943	0.25069432

3214-3	NRP1	1.319301	0.25071748
6410-26	INSL4	1.318891	0.25079127
5602-62	RNASE10	1.318808	0.25080606
4569-52	SORCS2	1.318558	0.25085108
2514-65	EFNB3	1.31702	0.25112757
3313-21	FCN2	1.315604	0.25138253
14135-3	RXFP1	1.314378	0.25160346
12842-43	STX10	1.314225	0.25163105
6997-32	RAB26	1.309543	0.25247734
3083-71	EDA2R	1.308068	0.2527447
4719-58	PDIA3	1.307151	0.25291107
9849-13	APEX1	1.306325	0.25306119
7821-6	C1D	1.306107	0.25310064
5496-49	SPON1	1.305869	0.25314401
12990-39	MAP3K3	1.30424	0.25344014
6557-50	LRRC15	1.302975	0.25367045
10667-78	C1orf185	1.302231	0.25380611
12859-33	ECI2	1.298933	0.25440818
13708-56	KLK8	1.295564	0.25502517
8067-21	KCNE3	1.293588	0.25538772
13975-56	PPFIA1	1.291955	0.25568791
2643-57	CDH3	1.290147	0.25602092
12677-164	FLII	1.287583	0.25649388
4983-6	ERP29	1.286665	0.25666341
5671-1	CTRB1	1.286257	0.25673884
9816-37	ISOC1	1.285803	0.25682276
5701-81	CLEC3B	1.283632	0.25722486
13422-66	ENOX2	1.283062	0.25733058
11634-32	RGS10	1.282967	0.25734814
3448-13	INSR	1.281727	0.25757821
8999-19	CEACAM3	1.281196	0.25767684
9116-28	HEPACAM2	1.27646	0.25855821
6405-74	PSG2	1.27563	0.25871306
12669-30	HECW1	1.273588	0.25909473
8840-61	C1S	1.270204	0.25972849
5400-52	LEPR	1.269853	0.2597942

7137-8	MSRA	1.269727	0.25981784
4594-22	ADCYAP1	1.267692	0.26020003
5936-53	TNF	1.263114	0.26106257
13713-164	SEC22A	1.263031	0.26107819
4775-34	GSN	1.261853	0.26130071
13522-20	VSNL1	1.258225	0.26198737
5301-7	CCL11	1.257411	0.26214166
7231-37	TMPRSS11A	1.257369	0.26214966
9836-20	DCK	1.255429	0.26251804
9960-2	TBC1D5	1.255053	0.26258964
2994-71	IL1RL2	1.254267	0.26273902
12422-143	ALOX15B	1.247419	0.26404593
11377-19	ADH7	1.247021	0.26412214
8837-8	MFAP3L	1.245807	0.26435489
13567-1	DPYSL2	1.244662	0.26457438
9762-14	VASP	1.242459	0.26499774
5254-69	PDE3A	1.241772	0.2651298
5682-13	VASN	1.241723	0.2651393
14684-17	CAPN2	1.241366	0.26520787
11646-4	CHST9	1.238415	0.26577669
10819-108	FBLN1	1.237571	0.26593969
11147-17	TREML1	1.237136	0.26602381
5036-50	TNFAIP6	1.236278	0.2661895
10364-6	SMAD2	1.236232	0.26619842
3520-58	TGFB3	1.236085	0.26622682
10351-51	IRF1	1.234866	0.26646287
13689-2	ODC1	1.234698	0.26649536
7009-8	CD72	1.23402	0.26662676
13738-8	INHBA	1.233902	0.26664957
13502-2	SLC26A11	1.233596	0.26670884
3624-3	PRSS27	1.22903	0.26759578
4991-12	GPC5	1.2281	0.26777693
4918-21	KNG1	1.228025	0.26779156
10035-6	DUSP4	1.23	0.26809905
9532-5	WBP1L	1.22634	0.26811995
9030-56	NDUFAF8	1.226207	0.26814598

7146-5	PDIA4	1.224518	0.26847584
11194-6	SIT1.00	1.224363	0.26850608
4125-52	AGER	1.22436	0.26850676
2705-5	CCL25	1.223459	0.26868284
11456-2	MAGEB10	1.223165	0.26874042
10885-36	C6orf89	1.223008	0.26877117
12593-33	PDRG1	1.220234	0.2693148
7740-33	FATE1	1.219286	0.26950076
8088-56	C1orf210	1.216178	0.27011205
10695-12	WFDC10B	1.21599	0.27014901
6963-82	SELPLG	1.214588	0.27042539
4136-40	IL17D	1.213694	0.27060172
12834-3	KCNF1	1.212136	0.27090945
12482-5	BPTF	1.211772	0.27098137
5909-51	NME1	1.211427	0.27104967
8464-31	RSPO4	1.209997	0.27133262
13693-5	CDNF	1.207676	0.27179279
2846-24	RPS27A	1.207094	0.27190839
5509-7	EGF	1.206663	0.27199408
11159-14	MUL1	1.205149	0.27229498
9504-19	RAB27A	1.201313	0.27305948
10933-107	CALN1	1.201264	0.27306916
3166-92	CD33	1.200887	0.27314442
3893-64	MSLN	1.200109	0.27329981
6931-10	CTAG1A	1.200087	0.27330436
13240-170	SHANK1	1.197526	0.27381669
10457-3	IL18RAP	1.196954	0.2739313
4534-10	PRSS22	1.196618	0.27399872
10627-87	APLP2	1.195992	0.27412427
6214-84	IFNA8	1.195951	0.27413253
11211-7	TBCE	1.193704	0.27458362
9728-4	CCNB1IP1	1.192593	0.27480706
12438-127	MPG	1.19061	0.27520654
3042-7	MB	1.190557	0.27521732
10710-23	ZPBP2	1.190274	0.2752743
10552-88	KLRC4	1.189318	0.27546727

11949-25	EGF	1.188301	0.27567245
2991-9	IL1R1	1.186436	0.27604961
9845-33	PARK7	1.186112	0.27611532
5668-49	AGR3	1.185902	0.27615781
7969-163	WFDC11	1.185871	0.27616408
13942-140	SPSB1	1.184849	0.27637097
2728-62	TNC	1.184436	0.27645468
4245-80	MDM2	1.183951	0.27655303
8264-43	DLL1	1.182322	0.27688379
6377-54	LYZL2	1.181431	0.27706494
3831-21	PTEN	1.180068	0.27734209
3347-9	GRK2	1.179342	0.27749008
4450-26	HNRNPAB	1.179205	0.27751797
3887-90	KPNB1	1.178227	0.27771721
7745-3	CISD1	1.177868	0.27779042
8986-2	PHGDH	1.177077	0.27795181
6262-14	IL17RB	1.176947	0.27797842
5618-50	FAM3B	1.174913	0.27839405
7881-244	PARP16	1.172845	0.27881743
12803-9	ZNF329	1.171427	0.27910823
9095-5	MTFR1	1.169564	0.27949081
9074-6	FAXDC2	1.169189	0.27956786
5957-30	SST	1.168983	0.27961032
6493-9	CPZ	1.16768	0.27987844
9607-39	PRR27	1.165321	0.28036465
4455-89	MFGE8	1.163575	0.28072531
7885-17	CFHR5	1.162653	0.28091602
7803-4	CHST1	1.160691	0.2813223
11300-32	SORT1	1.160108	0.28144314
5737-61	SEMA4D	1.159727	0.28152215
9366-54	IL21R	1.159266	0.28161778
9941-70	PCDHB1	1.1576	0.28196393
4141-79	CXCL10	1.157256	0.28203527
10507-166	ACRV1	1.156575	0.28217703
12670-15	RAD1	1.155507	0.2823992
4568-17	SLITRK5	1.154264	0.28265828

6947-4	ST3GAL6	1.153846	0.28274548
3041-55	MRC2	1.153652	0.28278603
5128-53	SLAMF6	1.151693	0.28319512
8098-37	TBXAS1	1.151267	0.28328416
13083-18	VARs1	1.15042	0.28346124
6362-6	ECRG4	1.149939	0.28356199
2949-6	PLA2G10	1.148167	0.28393314
11212-7	TXNDC5	1.148119	0.28394333
4407-10	MST1	1.146275	0.28433025
12530-14	CKS1B	1.145708	0.28444949
9127-4	SLC26A5	1.143763	0.28485856
9243-10	LYG1	1.142414	0.28514286
5484-63	RPS3A	1.138365	0.28599816
8989-40	SCUBE1	1.136088	0.28648042
11396-39	DNAI1	1.135994	0.28650033
4703-87	LTA	1.134746	0.28676517
6227-1	KLK10	1.133549	0.28701954
12417-46	TPRKB	1.132392	0.28726565
7244-16	IGFLR1	1.129796	0.28781879
13406-161	CD300C	1.12822	0.28815533
14634-13	LHCGR	1.126564	0.28850943
10702-1	COL28A1	1.124532	0.28894471
11681-8	AGFG1	1.1243	0.28899441
10624-45	SPINK13	1.123671	0.2891294
8383-20	None	1.123317	0.28920532
8768-4	BCL10	1.122666	0.28934502
9339-204	FKBP2	1.120663	0.28977576
8348-4	EPHB2	1.117352	0.29048938
11355-10	EIF5A2	1.116666	0.29063745
12414-31	YWHAB	1.115497	0.29089019
4542-24	CLU	1.112273	0.2915883
8328-9	ETNK1	1.111751	0.29170155
12347-29	CCM2	1.111283	0.29180328
8620-56	KLK14	1.110969	0.29187138
3798-71	CA9	1.110093	0.29206179
12501-10	TBCA	1.109512	0.29218815

6612-90	BRICD5	1.107798	0.29256119
13427-66	MAN1C1	1.10775	0.29257167
6512-68	KREMEN1	1.106101	0.29293116
9531-24	LST1	1.105728	0.29301251
8488-33	ITGA2B ITGB3	1.104763	0.29322313
11638-42	B3GALT2	1.102045	0.29381781
7822-11	PLAAT2	1.098119	0.29467919
3874-8	UBE2L3	1.096836	0.29496145
8800-14	TTC17	1.095588	0.29523637
6444-15	PSG3	1.095554	0.2952438
13660-76	ANGPT2	1.095293	0.29530137
10746-24	DKK3.00	1.095265	0.29530762
12813-18	EHBP1	1.093484	0.29570051
3522-57	VIP	1.091135	0.29621979
6168-11	TP53	1.090824	0.2962888
7853-19	SCO1	1.089927	0.29648737
12635-9	TRDMT1	1.089192	0.29665026
14125-5	APOM	1.089144	0.29666089
6590-54	NRP2	1.088925	0.29670948
3459-49	PDGFRB	1.08843	0.29681928
4548-4	FUT3	1.085368	0.29749971
11196-31	COL6A3	1.084396	0.29771631
12718-43	PIN4	1.081937	0.29826457
8882-1	ADAM17	1.081492	0.29836403
13486-9	PKD2	1.081318	0.29840286
5260-80	TYK2	1.078145	0.2991128
14148-2	ISG15	1.075943	0.29960683
14022-17	IL17B	1.07551	0.29970428
5353-89	IL1RN	1.074617	0.29990484
8893-29	PARP1	1.074024	0.3000383
8871-14	NUDC	1.071864	0.30052474
14127-240	IFNB1	1.070961	0.30072839
14132-21	HHLA2	1.066618	0.30171062
2744-57	IGHG1	1.066407	0.30175853
13944-3	SULT1A3	1.065551	0.30195261
6645-53	POSTN	1.061915	0.30277882

10514-5	PTGDS	1.056613	0.30398905
8345-27	GPX7	1.056157	0.30409322
3617-80	HGFAC	1.056139	0.30409748
2468-62	CCL20	1.05588	0.30415673
13722-105	C9	1.053517	0.30469839
6555-58	STOML2	1.053367	0.30473287
4981-6	DSC3	1.052937	0.30483163
6896-3	C1orf162	1.052154	0.30501144
14031-18	FGF7	1.051916	0.30506618
8427-118	RSPO3	1.048368	0.30588317
6485-59	IGLL1	1.046864	0.30623049
8867-18	PAEP	1.045805	0.30647523
8403-18	FASN	1.044205	0.30684557
11390-24	CA8	1.043202	0.30707803
4491-4	IL5RA	1.042596	0.30721856
12534-10	CALCOCO2	1.041226	0.30753649
14073-31	HPX	1.04048	0.30770982
12424-107	THYN1	1.040244	0.3077648
5695-5	BPIFA2	1.039948	0.30783356
12681-63	USP21	1.039134	0.30802296
9735-44	CD96	1.037346	0.3084396
9582-93	SUSD1	1.036855	0.3085541
6578-29	TNMD	1.03472	0.3090527
12008-3	CD7	1.033536	0.30932953
11252-30	LRCH4	1.032898	0.30947903
12856-14	TMEM237	1.031732	0.3097523
6527-1	TRIL	1.031449	0.30981865
11405-150	CARD9	1.031416	0.30982629
13095-51	REG1A	1.030942	0.30993746
11348-132	P4HA2	1.03008	0.31013994
5888-29	EIF5A	1.029778	0.31021076
5703-26	OLFM1	1.029468	0.31028364
7695-106	SQSTM1	1.029204	0.31034569
14011-17	S100A11	1.028029	0.31062199
9083-35	SIRPA	1.026893	0.31088962
14206-28	APBB1	1.025349	0.31125367

12882-7	PARP11	1.02482	0.31137835
2201-17	COL18A1	1.024272	0.3115079
12483-62	RORB	1.023392	0.31171582
6921-24	B4GALT3	1.023334	0.31172952
8921-139	PABPN1	1.022387	0.31195341
7812-11	S100A9	1.022218	0.31199351
5268-49	MMP16	1.021596	0.31214068
11380-84	RBM24	1.020194	0.3124731
10866-60	PPP4R3A	1.019365	0.31266976
11910-27	DLX4	1.01903	0.31274915
12796-44	NUDT3	1.017835	0.31303317
6933-20	MRPL34	1.017177	0.31318965
5758-49	KLK9	1.01304	0.31417569
8052-115	NLGN1	1.012565	0.31428909
7835-2	BNIP3L	1.012415	0.31432488
3810-50	FGR	1.012403	0.31432794
9014-18	TMEM25	1.011717	0.31449191
10677-9	NDUFB4	1.011696	0.31449694
3232-28	ACP5	1.011511	0.3145412
11593-21	CXCL9	1.010173	0.31486136
12735-39	CSDE1	1.009807	0.31494903
12775-6	HMGB3	1.009689	0.31497745
5102-55	MICB	1.008978	0.31514782
7950-142	BTNL9	1.008812	0.31518768
9110-2	SYT17	1.00848	0.31526716
9753-17	EZR	1.006851	0.31565851
11081-1	GPD1	1.006176	0.31582082
14068-29	CCL25	1.005227	0.31604914
10917-40	GNGT2	1.0051	0.31607948
14028-22	PIK3C2A	1.003689	0.31641958
5596-75	CD5	1.003686	0.31642034
5354-11	KRT18	1.00283	0.31662673
2794-60	SOD1	1.002189	0.31678133
6263-77	PLTP	1.001917	0.31684699
12560-9	NT5C	1.001364	0.31698067
2981-9	ESAM	0.999329	0.31747298

3835-11	TLR2	0.998199	0.3177467
8273-84	IL31RA	0.998112	0.3177678
5096-51	KIR3DL2	0.998079	0.31777585
3628-3	MAP2K2	0.996572	0.31814143
5659-11	TRH	0.996488	0.31816169
13618-15	MAD1L1	0.995524	0.31839595
4336-2	SAA1	0.992674	0.31908978
3004-67	PDCD1LG2	0.991383	0.31940456
14129-1	IFNA7	0.990994	0.3194996
7859-21	PCDHGC3	0.989652	0.31982737
3289-19	CA10	0.989636	0.31983143
7999-23	ENTPD1	0.988481	0.32011381
9923-6	SOS1	0.988315	0.32015461
9319-59	TMED4	0.985564	0.32082894
2418-55	APOE	0.984946	0.32098077
4910-21	PLA2G1B	0.984526	0.32108407
2579-17	MMP9	0.98233	0.32162423
10916-44	PLA2R1	0.982318	0.32162718
11145-72	KIAA1549L	0.982167	0.32166431
11223-1	TMEM154	0.981985	0.32170916
8312-139	CMPK1	0.981155	0.32191383
2358-19	FLT4	0.980189	0.32215212
10063-10	FANCL	0.979919	0.32221888
6334-9	GGT2	0.979594	0.32229896
2480-58	TIMP3	0.977094	0.32291741
8095-213	PPIF	0.976101	0.32316337
12450-42	PMVK	0.974059	0.32366997
9035-2	MXI1	0.972294	0.32410866
12716-3	ZNF175	0.970877	0.32446157
6550-4	ICAM4	0.970799	0.32448104
7790-21	LIF	0.970714	0.32450206
4138-25	IL20	0.970272	0.32461239
2611-72	TYRO3	0.968409	0.32507739
12553-5	VRK1	0.968306	0.32510295
10854-15	GCNT4	0.967596	0.32528057
4359-87	DYRK3	0.967169	0.32538713

11606-22	DNAJB6	0.964339	0.32609604
12746-4	CYTH4	0.963324	0.32635074
5491-12	SPOCK2	0.962876	0.32646346
9585-80	CLMP	0.962338	0.3265986
11313-100	PCBD1	0.961736	0.3267499
5661-15	IL18	0.961589	0.32678674
8252-2	NOTUM	0.961425	0.32682801
5012-67	AK1	0.959895	0.3272134
13089-6	HIF1A	0.958834	0.32748081
8336-267	GRAMD1C	0.958613	0.32753667
12494-99	GABARAPL2	0.957923	0.32771082
4588-1	PPY	0.957436	0.3278336
14614-41	NCMAP	0.957206	0.32789176
7976-19	FRRS1L	0.956278	0.32812634
8064-125	PVR	0.956069	0.3281792
3823-9	MATK	0.9549	0.32847506
13504-147	HNRNPR	0.952462	0.3290935
9983-97	PRSS35	0.948513	0.33009806
4464-10	SIGLEC1	0.94849	0.33010406
9865-40	UBE2B	0.946737	0.3305513
9835-16	ALDH1A3	0.946583	0.33059067
12729-12	PSMG3	0.946357	0.33064831
8298-8	SSMEM1	0.94624	0.33067818
3025-50	FGF2	0.946155	0.33069994
13421-17	TMEM167B	0.945004	0.33099421
12693-2	SH3BGRL	0.944679	0.33107737
10938-13	CD58	0.944476	0.33112944
12329-21	RPS6KA1	0.944475	0.33112966
14748-31	ARHGAP5	0.941921	0.33178426
6424-2	RNASE13	0.940643	0.33211246
7939-1	SLC66A1L	0.940074	0.3322589
14063-17	OSM	0.940016	0.33227383
5583-62	RYK	0.939947	0.33229156
9769-48	DNER	0.939313	0.3324546
13541-1	MYCT1	0.939192	0.33248583
9715-15	IGSF3	0.938628	0.33263098

13625-19	SSB	0.93739	0.33295001
12807-89	ARHGAP30	0.936095	0.33328421
9951-36	FBXL4	0.935456	0.33344917
9765-4	NDE1	0.935129	0.33353368
6356-3	CPB1	0.934266	0.33375675
2695-25	PECAM1	0.934212	0.33377071
12554-10	RAD51D	0.932006	0.33434224
7249-37	BCL2L10	0.931707	0.33441965
5636-10	MFAP4	0.931684	0.33442576
4886-3	CCL7	0.929695	0.3349421
4396-54	IFNL1	0.928551	0.33523974
9233-71	TFPI2	0.928355	0.33529064
2760-2	FAM107A	0.927569	0.33549551
9332-6	DEFB136	0.926829	0.3356883
9178-30	NRG1	0.921844	0.33699129
7927-16	ST6GALNAC5	0.921294	0.33713554
3508-78	CCL22	0.920831	0.33725691
9170-24	IL17A	0.919651	0.33756651
14675-20	EIF4B	0.919041	0.33772703
6463-59	QRFP	0.917479	0.33813778
7199-3	SYN3	0.917047	0.33825164
7090-17	GALNT1	0.91665	0.33835617
11107-25	TENM3	0.916611	0.33836645
5638-23	COLGALT1	0.915977	0.33853341
8250-2	PTPRJ	0.915127	0.33875775
8479-4	MMP10	0.912637	0.33941584
10907-116	NTM	0.912516	0.33944782
14054-17	IL15RA	0.911692	0.33966598
10045-47	CUL3	0.911507	0.33971493
9383-24	CHI3L2	0.911111	0.33981979
4712-28	APOD	0.910583	0.33995968
3404-51	TPSG1	0.908744	0.3404479
14284-23	EIF2AK4	0.908183	0.34059696
9003-99	MARCO	0.907388	0.34080846
10442-1	TMEM190	0.906575	0.34102484
2665-26	TNFRSF17	0.905087	0.34142144

12630-8	ARFIP2	0.904778	0.34150365
13392-13	ATP1B1	0.903596	0.34181929
12904-180	CUBN	0.902427	0.34213191
3405-6	UFC1	0.901902	0.34227232
6388-21	CCDC126	0.901789	0.3423025
9840-2	CDC42	0.901694	0.34232788
11464-9	RELB	0.900968	0.34252218
11546-7	CYGB	0.900156	0.34273996
5089-11	IL7R	0.900083	0.34275936
5714-88	IFNA6	0.899797	0.3428362
6633-43	None	0.896632	0.34368629
3438-10	FSTL3	0.896542	0.34371062
12849-25	GSKIP	0.896084	0.34383385
9954-2	NPIPB3	0.89422	0.3443363
9086-95	SCGB2A1	0.894173	0.34434902
6576-1	ART4	0.894115	0.34436473
4987-17	FCAR	0.892233	0.34487282
2813-11	AGRP	0.891125	0.34517271
11647-6	FZD10	0.890928	0.345226
7015-8	LILRB5	0.890331	0.34538756
3427-63	CSNK2A1	0.890315	0.34539208
5606-24	MFAP1	0.889466	0.34562209
7953-20	SLAMF1	0.888544	0.34587214
14079-14	IL18R1	0.888324	0.34593195
13506-10	DUS2	0.887853	0.34605974
12880-1	SV2A	0.887076	0.34627092
7808-5	GLCE	0.886264	0.34649182
12820-1	GRAP	0.885813	0.3466146
9969-8	SLC22A16	0.88383	0.34715476
3758-68	PROC	0.88201	0.34765178
2429-27	C8A C8B C8G	0.881274	0.34785293
6900-30	UBE2J1	0.880547	0.34805195
9180-6	IFNGR2	0.879007	0.34847386
2475-1	KIT	0.878718	0.34855318
5807-77	CD70	0.878259	0.34867909
8929-7	BDP1	0.874728	0.34964963

14036-116	MPDZ	0.873995	0.34985167
5934-1	FTH1 FTL	0.871662	0.35049572
12956-40	KIFBP	0.871307	0.35059383
6415-90	CPN2	0.87014	0.35091655
6620-82	LINGO1	0.869323	0.35114294
7884-15	DDR2	0.868529	0.35136287
8891-7	CPVL	0.864034	0.3526123
2711-6	CNTFR	0.863903	0.35264877
9271-101	STIM1	0.863848	0.35266406
5867-60	ARG1	0.863827	0.35267001
12338-27	EGFLAM	0.86309	0.35287551
12633-3	PTPN9	0.862765	0.35296608
13492-44	HSPA9	0.862469	0.35304863
9872-23	CTNNA2	0.862044	0.35316741
9851-9	FABP4	0.860723	0.35353656
12888-18	SAP30	0.858386	0.35419086
9928-125	CNMD	0.856809	0.35463313
9828-86	LDHC	0.85601	0.3548576
4560-34	LCK	0.855638	0.3549623
10366-11	PDGFRA	0.855375	0.35503625
4188-1	AKR7A2	0.854789	0.35520112
4151-6	PLG	0.854406	0.35530883
8376-25	LHB	0.854176	0.35537366
14078-69	XCL1	0.85412	0.35538953
14227-21	MYL6B	0.853962	0.35543385
8963-8	VTI1B	0.853728	0.35549974
13103-125	CSH1 CSH2	0.853235	0.35563875
3186-2	C2	0.852018	0.35598216
11232-46	TCN1	0.851511	0.35612536
12458-79	CHP1	0.851423	0.35615002
2211-9	TIMP1	0.849916	0.35657613
7012-35	VNN2.00	0.84991	0.35657793
9017-58	LCT	0.849295	0.35675172
11424-4	FAH	0.849279	0.35675648
10075-75	ACBD6	0.848399	0.35700553
8993-151	RIPK2	0.847633	0.35722271

5033-27	TPM1	0.847191	0.35734823
11664-32	ARFGAP2	0.846538	0.35753364
14249-68	MID2	0.846459	0.35755596
11618-83	MYB	0.845868	0.35772394
9783-75	DNAJC11	0.845515	0.35782428
12632-14	NAT1	0.843993	0.35825718
13698-28	KIAA0319L	0.843766	0.35832188
5475-10	PRKCB	0.843521	0.35839184
5035-7	TYMS	0.84289	0.35857143
13631-1	RBBP5	0.842779	0.35860331
13477-65	LTB4R	0.842166	0.35877806
12517-52	PDCD5	0.841788	0.35888598
3050-7	VWF	0.840531	0.35924493
9321-400	NMB	0.839815	0.35944977
12569-25	CCT5	0.838695	0.35977029
3325-2	MATN2	0.838291	0.35988604
7048-4	CEACAM19	0.837956	0.359982
14687-6	PLIN3	0.837606	0.36008234
6229-13	CSH1 CSH2	0.836537	0.36038904
6495-14	EDN1	0.835201	0.36077292
6525-17	DUSP13	0.833605	0.36123203
4924-32	MMP1	0.83317	0.36135741
14309-8	HNRNPH1	0.832891	0.36143793
12759-47	ILF3	0.832294	0.36161013
11560-76	NFATC4	0.831935	0.36171363
7200-4	LRFN2	0.831756	0.36176513
6119-14	MAMDC2	0.831584	0.36181484
5664-57	DEFB106A	0.830967	0.3619931
9388-18	MCEE	0.829338	0.36246406
14624-51	CTCF	0.827975	0.36285884
10554-23	GLB1	0.827961	0.36286277
8646-61	LRRTM4	0.827868	0.36288966
12532-28	CDC34	0.827773	0.36291718
9126-171	NT5DC3	0.82705	0.36312693
5140-56	UNC5D	0.826017	0.3634269
7827-20	ADAM32	0.825742	0.3635066

13612-7	CYTIP	0.825501	0.36357676
13614-6	CREBBP	0.823079	0.36428138
10889-2	MRAP2	0.821938	0.36461406
6553-68	CFAP45	0.821702	0.36468299
3719-2	CDKN1B	0.821651	0.36469794
8845-2	ADAMTS3	0.821591	0.3647155
11319-106	MRE11	0.819806	0.36523679
8967-6	DUSP26	0.817934	0.3657849
7175-4	PCDHGA2	0.817839	0.36581288
6042-52	TNC	0.816539	0.36619389
5749-53	CLPS	0.81648	0.36621134
8545-14	C17orf78	0.816411	0.36623165
4801-13	LPO	0.816176	0.36630052
9100-32	C5orf46	0.816116	0.36631827
7773-20	KIR2DL2	0.815574	0.36647735
8246-9	PCSK9	0.81485	0.36669023
14623-26	SUMO3	0.813289	0.36714976
12678-66	SNRPA	0.813253	0.36716015
14034-22	TACSTD2	0.813124	0.36719823
5202-4	PPID	0.812841	0.36728159
8748-45	CD74	0.812587	0.36735648
13025-4	FRS2	0.811651	0.36763266
12861-13	TMOD3	0.81077	0.36789258
5982-50	CFHR1	0.810463	0.36798342
5343-74	CPE	0.806288	0.36922008
5846-24	NOG	0.805936	0.36932462
2778-10	IL22	0.805326	0.36950578
4996-66	HRG	0.804183	0.36984562
13487-24	UNC93B1	0.803087	0.37017209
2598-9	TNFRSF9	0.802625	0.3703098
7076-17	ECEL1	0.802048	0.37048163
2658-27	NTRK3	0.800447	0.37095983
12578-13	ARF3	0.799906	0.37112157
9175-48	DSCAM	0.799725	0.37117564
9823-2	DHFR	0.799099	0.37136291
12825-18	APPL1	0.798456	0.37155532

14755-4	LTF	0.798442	0.37155948
3310-62	FCGR2B	0.79814	0.37165019
12437-18	ULK3	0.797305	0.37190032
8887-21	NUDC	0.795459	0.3724546
10803-22	HSPA1A	0.794966	0.37260284
2715-25	EPOR	0.794869	0.37263181
6448-36	SEMA3C	0.794526	0.3727351
14143-8	H2BC21	0.7926	0.37331523
6955-68	SNX1	0.792409	0.37337277
9541-15	B3GALT1	0.792228	0.37342725
8240-207	GPNMB	0.791687	0.37359056
13118-5	SMOC1	0.791664	0.37359747
2633-52	IL13RA1	0.790532	0.37393937
3470-1	SELE	0.789496	0.37425262
8974-172	COL15A1	0.78908	0.37437854
5023-23	ADSL	0.7874	0.3748876
12521-3	CDKN2C	0.785678	0.37541006
5223-59	GCKR	0.784683	0.37571273
10615-18	MPZ	0.784462	0.37577995
8406-17	IGF1	0.7844	0.37579872
9962-1	CDHR5	0.784285	0.37583372
10463-23	ALPI	0.782529	0.37636869
10528-2	DPEP1	0.78247	0.37638689
12408-333	RAB22A	0.781301	0.37674343
5487-7	SLAMF7	0.779631	0.37725407
8003-57	LGI3	0.77908	0.37742251
13229-20	MDM4	0.778634	0.37755922
3864-5	RPS7	0.777821	0.37780825
7184-13	CEACAM7	0.776664	0.3781635
9087-8	NHLRC3	0.773642	0.37909283
5090-49	LILRB1	0.772724	0.37937571
9800-20	NDUFB8	0.772521	0.37943828
12658-72	PANK3	0.772038	0.37958737
9767-22	RIPPLY1	0.771963	0.37961034
8357-43	SULT4A1	0.76603	0.38144798
12740-55	FEV	0.765844	0.38150572

5613-75	LAT2	0.765124	0.3817296
7206-20	FBP1	0.764279	0.38199265
4917-62	ITGAV ITGB5	0.763806	0.38213998
11547-84	MUSK	0.763105	0.38235868
3796-79	ANGPTL4	0.76275	0.38246937
5717-2	CILP	0.761486	0.38286384
3390-72	PIK3CA PIK3R1	0.761469	0.38286912
11513-92	CD38	0.761053	0.38299911
5680-54	OBP2B	0.760931	0.38303734
6935-123	BAMBI	0.760802	0.38307773
13926-1	RMI1	0.760279	0.3832413
8288-27	APOH	0.760006	0.38332665
4546-27	ADGRE2	0.758881	0.38367904
11154-3	NFE2L1	0.758613	0.38376308
5463-22	GAS1	0.758269	0.3838708
13639-101	USO1	0.757782	0.38402357
7223-60	S100A13	0.756851	0.38431594
2212-69	PLAT	0.756541	0.38441324
11969-5	S100A2	0.756038	0.38457143
13745-10	PKD2	0.755904	0.38461329
12916-3	MTCP1	0.754783	0.38496611
13613-23	AK5	0.754126	0.38517309
4707-50	YWHAH	0.753699	0.38530773
9094-5	CLEC4C	0.753455	0.38538462
3860-7	PSMA6	0.753257	0.38544685
12957-62	UQCRB	0.75317	0.38547442
9933-49	ATP1B4	0.75309	0.38549977
3741-4	IL5	0.752472	0.38569476
7096-30	RMDN1	0.752293	0.38575121
9099-19	SYT5	0.750892	0.38619402
2989-17	IFNG	0.750641	0.38627321
13594-158	GGA1	0.750153	0.38642764
9979-13	AMIGO1	0.749271	0.38670715
14705-1	VEGFD	0.748643	0.38690615
9201-13	TAGLN2	0.748065	0.38708941
4499-21	PDGFA	0.747473	0.38727763

4328-2	BOC	0.744506	0.38822141
12426-19	MOB1A	0.74343	0.38856433
9561-21	VCAN	0.743079	0.38867639
2809-25	ADAMTS4	0.742623	0.38882186
12838-28	DUSP15	0.741921	0.38904619
12875-28	UBTD2	0.741165	0.3892881
8660-5	OLFML3	0.738924	0.39000591
12653-13	CSNK1G2	0.738524	0.39013419
10621-26	PRR16	0.738325	0.39019784
3074-6	LBP	0.73818	0.39024444
8832-55	BST2	0.738023	0.39029494
11303-7	SAMHD1	0.737092	0.39059404
3418-12	CAMK1D	0.734673	0.39137272
11653-69	SLC6A9	0.734584	0.3914013
4976-57	CRK	0.733658	0.39169993
8463-2	SOD3	0.732739	0.39199676
5356-2	MIF	0.732653	0.39202468
4452-9	LRRTM1	0.731085	0.39253178
6558-5	COLEC10	0.729129	0.39316567
3298-52	CNTN4	0.729089	0.39317849
10424-31	NPDC1	0.728469	0.39337988
11616-9	HSF1	0.728305	0.39343313
6453-70	LILRB4	0.727051	0.39384069
3868-8	SGTA	0.726897	0.39389093
7203-125	RFNG	0.726269	0.3940952
2838-53	MMP17	0.726008	0.39418014
3280-49	ACAN	0.726	0.39418269
7187-3	PPM1L	0.722806	0.39522499
3518-54	CPB2	0.722407	0.39535557
2774-10	IL16	0.722223	0.39541567
10738-11	FBLN5	0.721106	0.39578146
9302-90	GADD45GIP1	0.718981	0.39647849
5104-57	NCR1	0.718112	0.39676397
14103-12	TPSG1	0.717633	0.39692138
14254-27	PTPN4	0.716134	0.3974149
2637-77	MRC1	0.715162	0.39773536

2732-58	NANOG	0.714689	0.39789171
10080-9	EIF2B1	0.713031	0.39843954
11615-16	DAPP1	0.711784	0.39885225
9202-309	ATP5PO	0.711383	0.39898493
9945-8	ARMC5	0.711355	0.39899424
12358-6	IGBP1	0.710704	0.39921007
10663-42	INSIG1	0.710685	0.39921659
6414-8	OAF	0.710662	0.39922402
9204-33	POMC	0.70929	0.39967976
4160-49	MMP2	0.709171	0.3997192
8690-25	CAV3	0.708266	0.40002
4906-35	F5	0.707856	0.40015636
5117-14	ROBO3	0.70768	0.40021502
5460-60	DDX19B	0.707414	0.40030356
9886-28	XRCC4	0.707236	0.40036278
10756-34	UCN3	0.706583	0.40058061
9627-15	VIT	0.70648	0.40061477
9901-28	EGLN1	0.706368	0.40065234
5097-14	KIR3DS1	0.704657	0.4012234
5246-64	PDE2A	0.704421	0.401302
3422-4	CDK1 CCNB1	0.703769	0.40152031
11190-129	YME1L1	0.703217	0.40170491
3897-61	PDXP	0.700102	0.40274953
2697-7	PF4	0.699871	0.40282694
12381-26	CBR1	0.699655	0.40289965
13959-7	LAP3	0.699497	0.40295261
8219-14	ZG16	0.69941	0.40298213
3839-60	AIP	0.699104	0.40308486
4322-28	AMN	0.6986	0.40325467
3399-31	STAB2	0.698288	0.40335941
9927-96	TNS4	0.698126	0.403414
10833-64	HHIP	0.69792	0.40348364
10010-10	BECN1	0.70	4.04E-01
8102-239	RHEX	0.696438	0.40398327
8773-172	EMILIN3	0.696062	0.4041101
11105-171	ENO1	0.69547	0.40431014

9005-16	PLXNA1	0.694164	0.40475156
4472-5	TPM2	0.694063	0.4047859
3847-56	ETHE1	0.693872	0.40485041
13747-9	CA6	0.692645	0.40526633
8953-47	HDGF	0.691354	0.40570425
8315-5	DEFB119	0.690228	0.40608695
3381-24	LYN	0.68888	0.40654562
5019-16	UCHL1	0.688431	0.4066986
13645-14	DHX38	0.688406	0.40670723
9251-28	MAN2B2	0.687214	0.40711366
7243-8	IFNB1	0.686157	0.40747462
9037-1	STX18	0.685776	0.40760492
12712-9	HMG20A	0.685532	0.40768829
9106-87	LYSMD4	0.685332	0.40775653
13436-54	MAZ	0.685089	0.40783992
10956-82	GCSH	0.684378	0.40808317
10705-14	ST6GALNAC3	0.681938	0.40892034
13694-24	CRLF2	0.681691	0.4090049
4923-79	AMH	0.680326	0.40947466
2734-49	NCR2	0.680166	0.40952955
3348-49	BMP1	0.679975	0.4095954
7960-53	POTEG	0.679174	0.40987114
6360-7	DEFB128	0.678136	0.4102294
8960-3	ERAP2	0.67727	0.41052838
9234-8	TWSG1	0.677163	0.41056529
4567-82	SH2D1A	0.675663	0.41108412
9848-22	CCNH	0.675463	0.41115344
6228-58	SPACA1	0.674673	0.41142697
8807-13	SNX1	0.673939	0.41168179
13236-25	WNT3A	0.673213	0.4119337
9550-153	TTC17	0.672737	0.41209894
13688-2	CAPSL	0.672675	0.41212059
7219-152	HSPA1A	0.672133	0.4123088
7831-39	RBP4	0.671865	0.41240204
11387-3	ATF6B	0.671299	0.4125992
6433-57	FAM20A	0.670645	0.41282696

14026-24	IL17F	0.670609	0.41283936
11142-11	ANGPTL1	0.670188	0.41298592
7127-3	APOA2	0.670062	0.41302987
6234-74	VIT	0.669408	0.41325823
2982-82	LGALS4	0.667923	0.41377668
9795-9	CLN5	0.667592	0.41389235
13572-43	PSMD11	0.667257	0.41400963
11174-8	THSD7A	0.66699	0.41410315
11476-43	VPS4A	0.66682	0.41416257
14093-10	FLT3LG	0.666349	0.41432725
6897-38	B3GAT3	0.665477	0.41463313
5604-30	HPSE	0.665094	0.41476725
9723-105	MMRN2	0.66498	0.41480726
13543-7	PTGR1	0.664749	0.4148884
5134-52	HAVCR2	0.66372	0.41524963
12656-1	KLC1	0.662812	0.4155689
5747-67	BGLAP	0.662641	0.41562918
8229-1	GXYLT1	0.662162	0.41579755
14318-1	VPS29	0.661135	0.41615942
10603-1	HTN3	0.659393	0.41677415
6289-78	ARHGAP36	0.658187	0.41720069
3635-76	OCIAD1	0.657504	0.41744248
6055-53	IFNAR1	0.656173	0.41791445
6713-4	LRP11	0.654702	0.41843653
13535-2	CERT1	0.654566	0.41848506
9125-23	MASP1	0.653326	0.41892593
3365-7	DKK4.00	0.652419	0.41924904
3889-64	LMNB1	0.652147	0.41934622
5088-175	IL23R	0.650916	0.41978545
4717-55	IL3	0.650903	0.41978996
9900-36	NEFH	0.650806	0.41982465
8913-22	SIGLEC11	0.650799	0.41982714
14619-8	ZNF526	0.650348	0.41998814
12562-1	PKN1	0.650263	0.4200185
9873-17	ESRRA	0.650157	0.42005665
8374-5	NGFR	0.649239	0.42038474

12581-39	IMPA2	0.648699	0.42057817
5587-3	CCDC134	0.64741	0.42104012
6404-20	C1QL1	0.646661	0.42130895
6606-61	KISS1	0.645818	0.42161186
3503-4	ITGA1 ITGB1	0.645275	0.4218072
13412-5	WFDC6	0.645273	0.42180764
11328-9	USB1	0.645029	0.4218954
13565-2	RBL2	0.644806	0.42197584
6938-21	PCDHGA12	0.644739	0.42199996
2190-55	F11	0.644533	0.42207419
5727-35	B3GLCT	0.642295	0.42288108
12869-68	DDX6	0.641663	0.42310924
2876-74	TOP1.00	0.639926	0.42373763
3414-40	BMX	0.638867	0.42412145
9229-9	CTRL	0.637552	0.42459859
2751-16	AZU1	0.63711	0.42475931
3177-49	CA4	0.63618	0.42509763
8017-23	FOXRED1	0.635837	0.42522236
11378-37	SYK	0.635217	0.42544821
12675-14	DARS1	0.634977	0.4255357
2789-26	MMP7	0.634863	0.42557727
6440-31	MFAP5	0.634195	0.42582078
3822-54	MAPKAPK3	0.633792	0.42596762
12647-52	SETD2	0.632449	0.42645849
3758-63	PROC	0.632254	0.42652981
3480-7	DUSP3	0.632008	0.42661988
5105-2	RTN4R	0.631721	0.42672492
13700-10	ANXA2	0.631303	0.42687771
6914-15	AMIGO2	0.629849	0.42741067
10574-10	B2M	0.629726	0.42745586
7134-14	BCL2L2	0.629502	0.42753819
13133-73	LTBP4	0.629245	0.42763227
11302-237	TNR	0.629039	0.42770786
8664-36	PKDCC	0.628675	0.42784178
7142-5	CPN1	0.627646	0.42822014
6219-14	PDZD11	0.627177	0.42839267

2773-50	IL10	0.627158	0.42839963
9097-5	ELAPOR1	0.624749	0.42928787
12046-51	TARDBP	0.623847	0.42962142
12537-88	PURA	0.621748	0.43039856
8900-28	NEO1	0.621672	0.43042676
9249-17	TMEM9	0.620782	0.43075671
3423-59	CMA1	0.619475	0.43124247
9329-28	TREML1	0.61914	0.4313672
7251-64	C1QTNF3	0.618291	0.43168294
6565-68	CDCP1	0.617744	0.43188683
5624-66	FOLR3	0.616784	0.43224502
5264-65	CALR	0.616174	0.43247278
5734-13	NECTIN4	0.615701	0.43264924
9255-5	IL17C	0.615312	0.43279459
10419-1	SCARA5	0.614509	0.43309521
12818-159	SLC14A2	0.613631	0.43342376
14038-130	CST7	0.613313	0.43354328
8853-2	CLEC4A	0.612863	0.43371187
4985-11	FABP5	0.61274	0.43375785
6060-2	PIP	0.612593	0.43381321
10612-18	PLOD3	0.612313	0.43391814
13963-7	TOLLIP	0.612057	0.43401453
6611-8	POGLUT2	0.611715	0.43414281
12357-41	SNAP29	0.611527	0.43421339
6255-74	CPXM1	0.611027	0.43440155
8363-18	ELAPOR2	0.61085	0.43446777
3516-60	CXCL12	0.608754	0.43525725
14146-92	H3C1	0.608584	0.43532158
12623-84	JARID2	0.60825	0.43544733
13740-51	FRZB	0.607335	0.43579285
3040-59	CCL3	0.606874	0.43596722
2962-50	PTHLH	0.606524	0.43609972
14049-17	IL7	0.606117	0.4362535
6912-6	MICU3	0.605911	0.43633146
6264-9	CCN1	0.605572	0.43645979
5486-73	ICAM2	0.605263	0.43657692

8055-33	DGCR2	0.603797	0.43713289
8485-7	KEAP1	0.602837	0.43749766
5443-62	NPPA	0.602297	0.43770299
6079-59	PXYLP1	0.601445	0.43802721
7104-71	CABP7	0.600675	0.43832042
3179-51	CTSA	0.599003	0.43895886
13605-16	ANXA10	0.598847	0.4390184
3030-3	CLEC4M	0.59869	0.43907812
11246-3	BPIFB1	0.598485	0.43915666
13636-20	NAP1L1	0.597827	0.43940833
12444-39	NR5A2	0.597718	0.43945006
2805-6	ACE2	0.597595	0.43949696
2607-54	CRLF1 CLCF1	0.597563	0.43950933
12726-3	RFXAP	0.596887	0.43976844
12575-30	MTHFD1	0.596375	0.43996434
4240-31	PKM	0.595565	0.44027532
2635-61	LAYN	0.594591	0.44064926
8407-84	NOTCH2	0.594537	0.44066986
7210-25	APLP1	0.593038	0.44124656
4904-7	CASP2	0.592305	0.44152923
10780-10	RAB3D	0.59135	0.44189737
6399-52	DEFB107A	0.590113	0.44237558
12370-30	APOF	0.589965	0.44243278
9876-20	ALDOC	0.587116	0.4435366
4153-11	SERPINA3	0.586713	0.4436929
5006-71	MAPK13	0.586657	0.44371488
9778-45	TMEM52B	0.586241	0.44387621
9300-13	NECTIN1	0.58608	0.44393888
13530-5	UTS2R	0.585997	0.4439712
3324-51	LY9	0.585463	0.44417876
13591-31	PRIM1	0.585305	0.44424047
10620-21	MSMB	0.584311	0.44462767
5032-64	SSRP1	0.584119	0.44470237
11351-233	NHEJ1	0.582683	0.44526258
6551-94	SERPINA12	0.582274	0.4454223
9577-26	SYT2	0.58158	0.44569383

3234-23	CCDC80	0.580299	0.446195
9443-137	CTSK	0.57914	0.4466498
13985-12	SMURF2	0.578213	0.44701367
11157-35	HSPA1A	0.578085	0.44706408
9303-9	ICOSLG	0.577803	0.44717481
5489-18	STIP1	0.576324	0.44775694
12394-53	C16orf54	0.574224	0.44858532
9215-117	USP25	0.57393	0.4487016
13692-154	CCN4	0.573927	0.44870255
7648-9	MYBPC1	0.573074	0.44904001
3053-49	FLT3LG	0.572747	0.44916938
8360-169	NCR1	0.572157	0.44940289
9294-45	MFAP2	0.571552	0.44964298
12016-60	CBL	0.569268	0.45055008
8275-31	PEAR1	0.568927	0.45068562
8040-9	LEMD1	0.567945	0.45107671
12514-16	METTL1	0.566912	0.45148847
4414-69	SFTPD	0.566888	0.45149829
14047-78	BDNF	0.566419	0.45168535
5357-60	NLGN4X	0.566095	0.45181491
5238-26	PPIE	0.56568	0.4519808
8990-42	ATP1B3	0.565538	0.45203758
9461-2	ICAM4	0.56514	0.45219657
5744-12	MENT	0.563709	0.45276973
4874-3	ANG	0.56329	0.45293759
11607-15	BRD1	0.563091	0.4530174
8925-25	RRM2B	0.562348	0.45331594
9363-11	CT55	0.562286	0.45334054
12621-55	PPP2R1A	0.562028	0.45344448
6899-37	PCBD2	0.561671	0.45358794
3218-8	FOLH1	0.561259	0.45375349
12846-3	FBXL5	0.561153	0.45379602
8877-22	EVA1C	0.559986	0.4542657
11567-23	ZNF10	0.55836	0.45492168
10449-31	SHISA2	0.558344	0.45492829
3077-66	F10	0.558283	0.45495283

10583-1	TMEM108	0.557195	0.45539282
4383-97	INHBA INHBB	0.556593	0.45563624
5193-51	KRAS	0.556466	0.4556877
9379-248	SMIM10	0.556049	0.45585644
12690-33	SEPTIN10	0.556042	0.45585927
13673-21	CCT7	0.555758	0.45597458
3519-3	CCL17	0.555167	0.45621399
12641-3	INPP5B	0.554579	0.45645283
3892-21	MED1	0.553777	0.45677847
8954-30	MAP4K1	0.553444	0.45691392
12747-89	RBM3	0.553209	0.45700931
14334-3	RCVRN	0.551871	0.45755431
3603-60	CLEC7A	0.550879	0.45795891
11241-8	ASL	0.550831	0.4579785
9748-31	GSTM3	0.549782	0.45840697
8366-19	C1orf115	0.549161	0.45866082
8378-3	LDOC1	0.548711	0.4588449
13580-2	UAP1	0.548645	0.45887172
9341-1	PDGFD	0.54697	0.45955826
6575-79	ADAMTSL1	0.546945	0.45956869
5825-49	IFNGR1	0.546423	0.45978282
6520-87	MGP	0.545913	0.45999244
5601-2	PGLYRP2	0.545721	0.46007136
7795-14	KLRC3	0.54563	0.46010859
6986-17	HS3ST3B1	0.543636	0.46092973
12703-6	NEK7	0.543427	0.46101577
13554-78	REPIN1	0.542928	0.46122183
12352-70	ARRDC3	0.54182	0.46167933
8850-5	PLA2G2C	0.541114	0.46197131
13122-19	FLRT2	0.540948	0.46204021
9044-1	CNTNAP5	0.540461	0.46224183
9377-25	KITLG	0.539959	0.46244979
8941-4	NLGN3	0.539649	0.46257843
13544-9	ARHGAP45	0.538497	0.46305642
4925-54	MMP13	0.538416	0.46308998
11430-49	DTX1	0.537927	0.46329327

12894-3	PAXIP1	0.537332	0.46354071
10961-15	PLAAT4	0.537027	0.46366751
3082-9	ULBP2	0.536883	0.46372726
13609-11	GTF2I	0.536542	0.46386955
12587-65	ARL2	0.536327	0.46395886
14009-65	TNFAIP3	0.535218	0.46442116
2836-68	LCN2	0.534003	0.46492878
5834-18	IL9	0.533319	0.4652148
6629-3	DEFB1	0.533143	0.46528853
6923-1	PLOD2	0.532734	0.46545963
2797-56	APOB	0.532047	0.46574755
14268-4	SRXN1	0.531973	0.46577853
9284-25	SFRP4	0.531861	0.4658253
8232-90	JAML	0.531753	0.46587073
8094-20	CISD2	0.531158	0.46612051
9223-11	MANF	0.531037	0.46617125
11540-37	FOXO3	0.530469	0.46640984
13403-5	ETV5	0.530291	0.46648448
5224-20	CSNK2A1	0.530097	0.46656622
12643-4	ARRB1	0.529614	0.46676924
13941-82	FARS2	0.529077	0.46699534
9759-13	IDO1	0.528915	0.4670634
3311-27	FCGR3B	0.528612	0.46719109
10432-3	SHISAL1	0.528314	0.46731669
9991-112	EMILIN3	0.52691	0.46790874
11130-158	CACNB4	0.525857	0.46835396
13011-20	RPS10	0.525538	0.46848902
2890-59	CCL28	0.525118	0.46866671
3060-43	C9	0.523186	0.46948557
3684-78	MSR1	0.522668	0.46970586
8475-15	MMP7	0.522622	0.46972516
9370-69	GGH	0.521698	0.47011808
10496-11	CLCA1	0.521483	0.47020986
10078-5	BAG3	0.519801	0.47092653
2625-53	HSP90AA1	0.519395	0.47110004
14114-18	PIANP	0.518815	0.47134767

9910-9	MTAP	0.518464	0.47149754
6600-70	RELL2	0.518077	0.47166317
11531-24	VSIR	0.517766	0.4717961
3035-80	IL19	0.516684	0.47225942
14178-18	CDKN3	0.516213	0.47246154
3172-28	ARSB	0.516047	0.47253297
12400-25	UBE2T	0.51592	0.47258733
9963-19	PCDHB10	0.515814	0.47263271
11116-16	C11orf87	0.515573	0.47273626
3580-25	SERPINA1	0.515097	0.47294066
12878-60	OSBPL11	0.514604	0.47315275
13090-17	S100A6	0.51385	0.47347691
10959-125	BET1L	0.512575	0.47402645
4867-15	VEGFA	0.51248	0.47406726
5646-20	RNASE6	0.511489	0.47449512
7993-23	ASTL	0.510821	0.47478376
6994-19	C3orf18	0.510734	0.47482117
3412-7	BCL2	0.510537	0.47490649
8329-166	CDH12	0.510273	0.47502076
9525-1	PTK7	0.509901	0.47518168
5133-17	TGFBR2	0.509844	0.47520628
7124-18	IL21	0.509752	0.47524605
8459-10	BMP6	0.509569	0.4753254
3170-6	METAP2	0.508522	0.47577943
4541-49	CDON	0.508195	0.4759212
3066-12	LGALS3	0.50781	0.47608841
11158-40	BICDL1	0.507685	0.47614253
10588-39	ST3GAL5	0.506462	0.47667435
7179-69	NFASC	0.50567	0.47701929
8405-108	ADAM10	0.505142	0.4772494
4342-10	ICAM1	0.505022	0.47730173
3003-29	NCR3	0.504439	0.47755613
5230-99	HMGCR	0.504264	0.47763263
2891-1	CD22	0.503693	0.47788177
11608-5	MAP1LC3B	0.502898	0.47822942
3419-49	CAMK2D	0.501744	0.47873469

9359-9	DLK2	0.501667	0.47876854
7810-20	C1QTNF5	0.501431	0.47887185
5066-134	CD300C	0.501174	0.47898487
10637-50	ELAPOR1	0.499369	0.47977769
7796-10	CD79A	0.499357	0.47978263
5745-64	PI15	0.499201	0.47985121
2837-3	MET	0.499174	0.47986326
5669-26	SIRPB2	0.497922	0.4804146
11324-3	PXDNL	0.497801	0.48046776
9445-44	C19orf18	0.497434	0.48062971
6430-36	TAFA2	0.496847	0.48088876
6221-1	ADPGK	0.496283	0.48113784
4880-21	GDF2	0.496214	0.48116841
12363-70	TRIB2	0.494129	0.48209139
13228-75	MDM2	0.493673	0.48229363
5757-45	GNAS	0.493661	0.48229885
3905-62	UBE2N	0.493583	0.48233342
12020-39	BPGM	0.493152	0.48252441
6907-17	TMCO5A	0.493011	0.48258703
11481-25	HAVCR2	0.491733	0.48315508
12862-14	NEDD9	0.490392	0.4837524
12980-31	RBM22	0.490251	0.4838152
11220-53	C10orf105	0.48837	0.48465527
10557-6	TEX29	0.487147	0.48520268
10827-67	LINGO3	0.486786	0.48536464
2998-53	JAM3	0.485666	0.48586717
11171-25	FLNA	0.485224	0.48606558
3327-27	NTN4	0.485197	0.48607749
12480-9	OTUD5	0.48464	0.48632826
10830-5	EFCAB14	0.484446	0.48641549
4721-54	TFF3	0.484362	0.48645305
7861-9	ROR2	0.483242	0.48695744
2780-35	LTF	0.482852	0.48713318
3283-21	TGFBI	0.482155	0.48744801
8368-102	TNFRSF1B	0.481799	0.48760853
12508-9	CHMP3	0.480277	0.48829698

2708-54	TNFSF18	0.478608	0.48905334
8659-68	MPIG6B	0.478425	0.48913642
5658-64	F13B	0.478113	0.48927822
9918-23	CALB1	0.478042	0.48931035
13499-30	F8	0.4779	0.48937529
3489-9	CNTF	0.477531	0.4895427
8830-29	ABRAXAS2	0.47723	0.48967969
13588-11	ANXA9	0.477149	0.4897166
13666-222	CA10	0.476854	0.48985097
6252-62	SCGB3A1	0.475146	0.49062917
10370-21	STAT1	0.474018	0.49114434
2855-49	MAPK3	0.473921	0.49118866
7180-114	IFNA14	0.473498	0.49138226
4158-54	PLAU	0.471878	0.49212428
9638-2	TIGIT	0.471857	0.49213423
6223-5	GUCA2B	0.471849	0.49213779
8087-250	RNF13	0.471521	0.4922884
5080-131	GPNMB	0.471208	0.49243176
7186-111	STX3	0.47097	0.49254142
7145-1	ITIH3	0.470544	0.49273708
9296-15	PTPRD	0.46989	0.49303798
12527-50	THRA	0.469598	0.49317207
2505-49	GFRA3	0.468653	0.4936073
9015-1	PRG3	0.467841	0.49398214
2192-63	CCL27	0.466515	0.4945948
11325-8	BTG2	0.466425	0.49463661
5634-39	POFUT1	0.466244	0.49472026
12702-13	PELI2	0.465896	0.49488107
11201-19	PUS1	0.465861	0.49489732
5030-52	SIRT2	0.464942	0.49532339
8833-20	TNFSF10	0.464934	0.49532715
12811-55	ZNF415	0.464837	0.49537204
6496-60	DLK1	0.464159	0.49568651
14097-86	CHST15	0.463903	0.49580563
10560-1	ITM2C	0.463868	0.4958216
6605-17	IGFALS	0.463794	0.49585623

5201-50	PDE9A	0.46367	0.49591398
2632-5	IL12RB1	0.462158	0.49661697
7082-2	B3GNT6	0.462031	0.4966763
7092-7	PDILT	0.461991	0.49669504
10470-34	TXNDC11	0.460769	0.49726468
3432-21	EPHA3	0.460761	0.49726838
13994-1	FBL	0.460592	0.49734724
8907-11	UGT2A1	0.460538	0.49737275
4971-1	CTSZ	0.4604	0.49743695
3583-54	ARSA	0.459899	0.49767097
7957-2	SCG3	0.45953	0.4978439
5843-60	EHMT2	0.457101	0.49898214
9606-4	NUP210L	0.456836	0.4991066
12799-65	DNAJC27	0.456811	0.4991183
8221-19	MIF	0.456724	0.49915892
13056-18	SLC6A16	0.456502	0.49926335
6375-75	XXYLT1	0.456285	0.49936533
14042-11	SFRP1	0.455556	0.4997083
9305-89	IFNGR2	0.455167	0.49989144
3208-2	MATN3	0.454077	0.50040534
13553-4	DCUN1D3	0.454035	0.50042507
4217-49	HSD17B10	0.452731	0.50104106
3221-54	SFRP1	0.452189	0.5012971
8385-248	HGFAC	0.450454	0.50211922
6385-63	VWA1	0.449149	0.50273919
3292-75	CD48	0.448865	0.50287428
5121-3	SEMA6B	0.448492	0.50305217
3202-28	KREMEN2	0.448342	0.50312349
13984-23	DDX25	0.448004	0.50328424
7100-31	CD2	0.446142	0.50417278
4474-19	RPS27A	0.445603	0.50443047
4392-54	FGF12	0.444168	0.5051178
3676-15	IGF2R	0.442988	0.50568377
4429-51	CHST6	0.44244	0.50594733
6951-26	ASIC4	0.440237	0.50700794
2742-68	SIGLEC7	0.440193	0.50702942

10346-5	STAT3	0.438922	0.50764338
12634-79	BCAR3	0.438021	0.50807911
5687-5	PRKCSH	0.436892	0.50862662
3072-4	IL13	0.436596	0.50876995
12960-9	GCK	0.436131	0.50899578
12688-115	RPS6KA6	0.434572	0.50975421
7948-129	GLTPD2	0.434352	0.50986117
5315-22	TNNT2	0.433718	0.51017033
12970-35	STAU2	0.433409	0.51032114
12351-25	STAT1	0.43305	0.51049593
14747-9	CRLF1	0.432997	0.51052202
5229-90	IMPDH1	0.432892	0.51057307
5722-78	PRCP	0.432886	0.51057616
5918-5	PSME1	0.432625	0.51070362
14111-15	THBS2	0.432192	0.51091536
9742-59	DDX39B	0.432077	0.51097137
3815-14	IL12RB2	0.431896	0.51106
4468-21	SPHK2	0.431535	0.51123667
6439-59	C14orf93	0.430664	0.51166327
7767-1	CLPSL2	0.430495	0.51174633
14696-45	TPSB2	0.429928	0.51202409
3291-30	FCER2	0.429897	0.51203952
4282-3	RAN	0.429681	0.51214539
6248-68	FAS	0.429162	0.51240027
5225-50	CSNK2A1 CSNK2B	0.429119	0.51242167
14077-6	FCN3	0.428785	0.51258592
12993-21	NPLOC4	0.428743	0.51260632
4220-39	FER	0.428424	0.51276329
7624-19	ANK2	0.427864	0.5130387
7054-87	CLEC2D	0.42776	0.51308995
5124-62	ICAM5	0.426945	0.513492
8073-3	CD84	0.426557	0.51368299
4276-10	PEBP1	0.426451	0.51373563
5076-53	EPHA10	0.426284	0.51381807
13503-19	ARL6IP5	0.426203	0.5138581
10506-53	PGRMC2	0.426199	0.51385978

9061-3	ARHGEF10	0.425975	0.51397041
7732-45	VAMP4	0.425455	0.5142274
11645-9	P4HA1	0.425279	0.51431483
9959-60	TMEM59L	0.425249	0.5143293
8890-9	TMEM132B	0.424944	0.51448025
8869-5	BTN2A1	0.424241	0.5148284
2247-20	PROK1	0.423769	0.51506213
8225-86	EPHB2	0.423081	0.51540387
5093-47	JAG2	0.422457	0.51571364
9925-56	SCARF2	0.422338	0.51577296
10043-31	BRD4	0.422223	0.51582988
13488-3	ARFIP1	0.421512	0.51618349
8093-13	MYORG	0.421508	0.51618534
3022-4	CTLA4	0.421239	0.5163193
4355-13	DAPK2	0.421165	0.51635653
13374-4	DEFB113	0.42036	0.51675731
10572-65	CST8	0.419729	0.51707212
8318-13	SPRED1	0.419465	0.51720397
2652-15	PLAUR	0.418036	0.51791845
12531-5	ERVV-1	0.417612	0.51813115
6213-10	CGB2	0.417221	0.51832711
8775-61	FAM24B	0.417037	0.518419
6549-60	VSTM2L	0.416408	0.51873482
10082-251	NEFL	0.416339	0.51876942
11572-4	DNM2	0.415515	0.51918344
5633-65	LILRB2	0.415361	0.5192611
14098-28	CARS1	0.414088	0.51990178
11538-216	MLYCD	0.413919	0.51998722
12742-160	TMEM8B	0.413684	0.52010551
6622-90	APLN	0.413348	0.52027488
11967-23	CRABP1	0.412986	0.52045757
7968-15	CRTAM	0.412399	0.52075443
7849-3	QPCT	0.411928	0.52099253
14670-1	SKIL	0.411876	0.52101907
3175-51	ADAMTS13	0.411755	0.52108002
10721-76	HSPA1A	0.410891	0.52151776

9573-108	TXNDC11	0.410534	0.52169877
7967-38	POTEM	0.410263	0.52183608
12459-13	PLEKHA1	0.409988	0.52197547
2743-5	SHH	0.409928	0.52200591
11617-1	ITGAL	0.409843	0.52204928
8654-13	ADAM10	0.409375	0.52228671
5864-10	ALDOA	0.408618	0.5226716
9713-67	PDGFRL	0.408596	0.52268312
9171-11	CSRP3	0.408339	0.52281401
13931-22	PSMD9	0.408287	0.52284003
3187-52	CRISP3	0.408132	0.52291913
7157-22	PCDHA4	0.408127	0.52292165
3859-50	PSMA1	0.407998	0.52298747
13529-39	NAP1L2	0.407456	0.52326374
7952-2	VTI1A	0.405715	0.52415263
3326-58	CADM1	0.405435	0.52429583
5693-6	REG1B	0.405377	0.52432552
3217-74	SERPINE2	0.404654	0.52469569
13429-3	WFDC10A	0.404205	0.52492541
14061-48	TNFSF11	0.40375	0.52515868
11163-7	FAM162B	0.403664	0.52520305
11247-20	NAGS	0.403637	0.52521706
2602-2	ANGPT2	0.403386	0.52534581
5196-7	NMT1	0.402985	0.52555148
10040-63	TP63	0.401915	0.52610185
10809-14	KLRB1	0.401277	0.52643037
6580-29	PZP	0.400597	0.52678103
12831-21	TESC	0.400381	0.52689241
4306-4	TKT	0.400355	0.52690611
8916-32	STIM1	0.400256	0.52695719
14192-31	PDCL2	0.39963	0.52728043
2771-35	IGFBP1	0.39933	0.52743533
9850-38	EIF1AX	0.39853	0.52784945
3032-11	CGA FSHB	0.398403	0.52791532
9183-7	IFNAR1	0.397818	0.52821825
7118-24	IGDCC3	0.397546	0.52835949

13447-42	SPRN	0.397171	0.52855373
3067-67	GDF9	0.396775	0.52875929
13961-18	KIF3A	0.396288	0.52901256
2834-54	KLK8	0.394764	0.52980582
11342-59	PLXDC2	0.393728	0.53034649
4469-78	CHST15	0.393633	0.53039564
7234-12	COLGALT2	0.393448	0.5304926
3898-5	PSMD7	0.393254	0.53059392
3196-6	HAPLN1	0.392809	0.53082676
9000-177	SLC3A1	0.39248	0.53099862
8044-90	XG	0.392478	0.53099974
5103-30	CD200R1	0.392445	0.53101711
8402-22	CYTL1	0.39072	0.5319212
14204-55	FOXJ2	0.390657	0.53195436
13960-15	AGAP3	0.390178	0.53220569
7721-81	FMR1	0.39001	0.53229429
2700-56	PROS1	0.389863	0.53237132
11442-1	DNER	0.389829	0.53238916
11371-1	GPR101	0.389803	0.53240303
9984-12	YIPF6	0.389723	0.53244482
11651-24	AGO1	0.389141	0.53275125
8388-24	SPAST	0.388176	0.53325987
9898-161	ARID1A	0.38722	0.53376433
12793-4	PIWIL1	0.38722	0.53376457
12706-2	CDC42BPA	0.38661	0.53408657
7089-42	SYT11	0.386094	0.53435997
6574-11	FCMR	0.38605	0.53438283
10761-5	TMED2	0.385987	0.53441627
13929-27	CROT	0.385346	0.53475575
4931-59	F3	0.384878	0.53500416
11245-43	FLNA	0.384865	0.53501078
12738-43	NISCH	0.384295	0.53531369
8076-4	SPACA3	0.383937	0.53550353
3437-80	FLT3	0.383782	0.53558626
13375-48	SYNGR3	0.382917	0.53604614
13632-10	ZYX	0.382821	0.53609735

3836-51	UFM1	0.382377	0.53633397
10970-3	ART3	0.381877	0.53660019
11494-4	ELL2	0.380788	0.53718177
6651-74	UBB	0.379464	0.53789022
12411-60	MAX	0.378678	0.5383114
8450-36	ADCYAP1	0.378456	0.53843097
9893-27	OAZ1	0.37843	0.53844485
9168-31	CCL26	0.378333	0.53849669
12616-45	NRBP1	0.378225	0.53855485
5226-36	CSNK2A2 CSNK2B	0.377537	0.53892445
9386-42	TTC9B	0.376893	0.53927075
2841-13	FRZB	0.376806	0.53931746
9789-52	SYNE2	0.376779	0.5393322
14136-234	CD93	0.376478	0.53949415
9265-10	GLIPR1	0.375554	0.53999258
13516-46	EMC4	0.375451	0.54004801
11138-16	RUNX3	0.375244	0.54015959
6508-68	SCGB1D2	0.373906	0.5408826
7857-22	NTS	0.373618	0.54103871
8043-153	COMP	0.373379	0.54116819
3374-49	HCK	0.372042	0.54189305
14245-195	SNX7	0.371519	0.54217727
12830-4	SAP18	0.370831	0.54255157
12595-11	TMOD1	0.370358	0.54280931
10814-7	CD1A	0.369264	0.54340569
5178-5	PDE7A	0.36859	0.543774
12001-7	TJP1	0.368328	0.54391713
11202-70	TBX5	0.367714	0.54425283
5626-20	CTRC	0.367588	0.5443219
12384-92	COPS7B	0.367443	0.54440162
7878-2	SEC61B	0.366839	0.54473234
5677-15	C2orf66	0.366583	0.54487293
2685-21	IGFBP5	0.365843	0.54527918
12696-166	PRMT3	0.365132	0.54566979
7192-37	IFNLR1	0.364971	0.54575857
3151-6	IL2RA	0.364838	0.54583154

5262-57	BCAR3	0.363958	0.5463162
5632-6	CRTAC1	0.362781	0.54696571
7161-25	H6PD	0.362694	0.54701373
3504-58	HAMP	0.362245	0.54726181
9557-5	MANSC1	0.361502	0.54767342
2647-66	GDI2	0.360516	0.54821977
5725-1	OMD	0.360362	0.54830501
3514-49	PRTN3	0.360304	0.54833726
9522-3	AIFM1	0.359995	0.54850912
3605-77	MASP1	0.359985	0.54851482
6285-71	MLEC	0.35927	0.54891204
14175-78	SCP2D1	0.359204	0.54894856
14329-4	DIDO1	0.358755	0.54919841
13710-6	SERPING1	0.358434	0.54937748
5679-16	DEFB103A	0.358387	0.54940365
11692-21	SHC4	0.358131	0.54954607
14158-17	ANXA5	0.357532	0.54988
7551-33	LRRC32	0.3575	0.54989801
5034-79	PRSS2	0.356149	0.55065293
3640-14	LRPAP1	0.355706	0.5509008
9847-21	TGIF2	0.355387	0.55107967
13575-40	DVL2	0.355156	0.55120911
13105-7	SNAP25	0.354975	0.55131008
9495-10	CXCL17	0.354789	0.55141442
12715-30	DCP1B	0.354668	0.5514827
8644-46	CTSH	0.354541	0.55155358
6423-66	C1QL2	0.353872	0.55192963
14109-15	CCL15	0.35365	0.55205442
5667-3	SEMA3B	0.353484	0.55214751
13719-19	PAK4	0.353473	0.55215379
8399-6	STK17B	0.353279	0.55226308
9482-110	NUDT9	0.352898	0.55247748
6973-111	IGF2	0.352744	0.55256394
9216-100	PLXNB2	0.352667	0.55260719
3479-71	PRSS3	0.352387	0.55276487
3420-21	CA13	0.352254	0.55283975

8409-3	RSPO2	0.351838	0.55307475
3431-54	EPHA1	0.350976	0.55356134
7864-3	SIGLEC8	0.350922	0.55359168
10618-190	LRP2	0.349793	0.55423044
6368-9	CSTL1	0.349476	0.55441002
7152-5	HAVCR2	0.348899	0.55473722
12446-49	GSTA1	0.348675	0.55486436
11926-23	AAGAB	0.34803	0.55523051
9786-310	IER3	0.34685	0.55590198
7747-47	NDUFB11	0.346822	0.55591792
6920-1	GFRAL	0.346727	0.55597177
9092-33	ANGPTL1	0.345894	0.55644652
6274-15	WSCD2	0.345718	0.5565469
6625-31	ATAD1	0.345698	0.55655846
7755-37	ITGB5	0.345213	0.55683537
5352-11	TNFRSF14	0.345189	0.55684949
12374-8	PAFAH1B3	0.343653	0.55772827
6351-55	CD79B	0.343482	0.55782631
8962-48	RPS6KB1	0.343236	0.55796734
8565-160	PLVAP	0.342481	0.55840076
9345-436	WFDC13	0.340184	0.55972275
13658-31	PDGFC	0.340165	0.55973402
9604-14	CDH11	0.339472	0.56013402
11168-3	MEGF10	0.338841	0.56049908
13602-6	SNU13	0.338796	0.56052498
13107-9	LYPD3	0.338302	0.56081071
13701-2	CXCL13	0.338244	0.56084463
4203-50	CFL1	0.335093	0.56267518
10613-33	GOLM2	0.335071	0.56268833
5675-6	TNC	0.334953	0.56275718
3340-53	THBS4	0.334857	0.562813
13449-25	SF3B4	0.33455	0.56299197
8398-277	RARRES1	0.334486	0.56302934
14123-34	VSIR	0.333611	0.56354024
10817-26	TOMM20L	0.333325	0.56370757
12471-47	STAU1	0.332542	0.5641659

7980-72	B3GNT2	0.332437	0.56422748
6257-56	CGREF1	0.332079	0.56443758
13123-3	FLRT3	0.331737	0.56463799
6267-51	STMN4	0.331673	0.56467554
12756-3	BACH2	0.331535	0.56475686
3184-25	F7	0.331394	0.56483951
12406-119	DIRAS3	0.331379	0.56484838
9603-9	IL22RA1	0.331294	0.5648979
4903-72	PPP3CA PPP3R1	0.330982	0.56508138
2944-66	NBL1	0.33059	0.56531203
6283-60	MCEMP1	0.330221	0.56552913
6472-40	PMEL	0.329394	0.56601627
5014-49	NCK1	0.327681	0.56702765
3363-31	CSK	0.327304	0.56725082
13610-9	MAGEA10	0.327004	0.56742865
8859-51	CA11	0.326749	0.56757978
13686-2	IL5RA	0.326306	0.56784216
12594-5	GCA	0.325853	0.56811152
9913-4	RRBP1	0.325841	0.56811848
11462-8	RBFOX2	0.325688	0.56820936
3728-52	SCT	0.325208	0.56849431
8268-98	HS3ST3A1	0.3244	0.56897555
12503-5	GPR68	0.323867	0.56929296
13668-44	TYRO3	0.323393	0.5695757
9484-75	DSG2	0.323374	0.56958715
5598-3	GREM2	0.323152	0.56971926
7919-278	FAM3D	0.3229	0.5698703
11654-77	NRSN1	0.322687	0.56999712
10014-31	SNAI2	0.32	0.57036385
6545-58	PRNP	0.321919	0.57045672
3199-54	KLK12	0.321585	0.57065681
4696-2	FABP3	0.321529	0.57069037
2761-49	FGF18	0.321256	0.57085388
4413-3	SLPI	0.321182	0.57089798
10049-112	TERF1	0.320817	0.57111692
7854-38	NCR3LG1	0.320694	0.57119086

8790-6	ARSA	0.320586	0.57125553
11659-31	CLINT1	0.320132	0.57152811
5699-19	FAM189A2	0.319951	0.57163734
7955-195	ITIH1	0.319308	0.57202373
13494-6	CERS5	0.319209	0.5720833
8037-53	DNAJB14	0.319119	0.57213775
4250-23	NSFL1C	0.318842	0.57230459
2973-15	CD36	0.318295	0.57263438
8048-9	FTMT	0.318039	0.57278858
4430-44	COLEC11	0.317931	0.57285399
11690-47	ANAPC7	0.316813	0.57352902
11369-23	ADH5	0.316285	0.57384856
14076-74	CST4	0.316084	0.57397041
8032-23	MCCD1	0.314255	0.57508086
12801-33	IRF2	0.314043	0.57520971
9378-6	FIBCD1	0.313926	0.57528118
7208-60	MGAT4C	0.313829	0.57533971
9834-62	ADH1B	0.313783	0.57536771
9993-11	ZNF264	0.312633	0.57606867
4992-49	GRN	0.312302	0.57627094
11282-16	MSR1	0.31217	0.57635171
8074-32	TMEM70	0.311972	0.57647235
7122-31	LGR5	0.311941	0.57649141
9474-22	ASGR2	0.311232	0.57692539
12385-4	CAPN3	0.3111	0.57700567
11395-5	PTK2B	0.311086	0.57701476
5392-73	FAS	0.310871	0.57714621
11257-1	QDPR	0.310618	0.57730141
7204-1	CEACAM21	0.310572	0.57732922
12628-31	LANCL2	0.310281	0.57750758
3587-53	BMP10	0.31007	0.5776375
7198-197	FAM20B	0.309918	0.57773032
13525-17	KCNG4	0.30772	0.5790828
12701-1	EIF1B	0.306759	0.57967586
8885-6	CACNA2D3	0.306298	0.57996092
5605-77	MFNG	0.305799	0.5802698

11988-24	PTPRH	0.305461	0.58047871
3294-55	CFC1	0.305322	0.58056492
10902-53	ASPRV1	0.305268	0.58059854
6517-14	GDF10	0.305268	0.58059871
9751-72	YBX1	0.305217	0.58063041
9016-12	NR1H2	0.304806	0.58088522
14599-18	STAB1	0.304783	0.58089946
5739-75	KRTDAP	0.304678	0.58096436
13062-4	GMFG	0.304562	0.58103624
8300-82	PEX14	0.303652	0.58160195
9244-27	PPT1	0.303335	0.58179935
7113-1	GRPEL1	0.302964	0.58203042
11358-15	GRB10	0.302749	0.58216388
12033-3	BUB1	0.302424	0.58236646
13682-47	CSF1R	0.30181	0.58275005
3845-51	DYNLRB1	0.300684	0.58345392
9115-78	ADAMDEC1	0.30067	0.58346247
5125-6	SIGLEC14	0.300485	0.58357826
12348-46	SARS2	0.29995	0.58391383
2605-49	TNFRSF8	0.29964	0.58410818
9426-73	ID2	0.299497	0.58419803
10440-26	CLMP	0.29879	0.58464189
9887-40	RBBP6	0.298174	0.58502971
4564-2	PLXNC1	0.298026	0.58512274
11514-196	CD59	0.297661	0.58535273
4496-60	MMP12	0.297525	0.58543811
11334-7	LILRB3	0.296728	0.5859409
5970-61	LECT2	0.295849	0.58649657
2603-61	CD80	0.295365	0.58680281
12572-236	EFS	0.295284	0.58685394
12827-37	RGS3	0.294799	0.58716157
8749-194	CD1D	0.294779	0.58717424
2573-20	IL6	0.293557	0.58795002
11208-15	NAGPA	0.292641	0.58853325
6315-58	PLBD1	0.292502	0.58862162
8447-11	GHRL	0.292362	0.58871072

3461-58	BCAN	0.292202	0.588813
4962-52	CDNF	0.292144	0.58884978
9288-7	FKBP7	0.291628	0.58917888
13940-19	IFI16	0.290574	0.58985276
2580-83	MPO	0.290489	0.58990739
12774-12	HCN1	0.289164	0.59075673
13073-14	ANP32A	0.289136	0.59077481
12522-6	RAD23B	0.288253	0.59134194
6627-25	PNLIPRP1	0.287824	0.59161805
7178-59	DEPP1	0.287813	0.59162559
6069-71	SUMF2	0.287186	0.59202942
3081-70	ULBP1	0.286721	0.59232944
6530-63	OPRPN	0.286576	0.59242305
7128-9	VWA2	0.28649	0.59247895
2631-50	IL10RB	0.286257	0.59262944
8070-88	DLG4	0.286252	0.59263218
10752-8	CDYL2	0.285967	0.5928167
8309-12	HYAL1	0.285472	0.59313697
14052-26	UNC13A	0.285458	0.59314597
2381-52	C5	0.284345	0.5938674
9248-36	MYDGF	0.284302	0.59389497
11602-12	CPNE1	0.28411	0.59401997
12466-7	HNRNPA1	0.284067	0.59404807
7258-5	PRG2	0.283879	0.59416999
13969-24	KPNA6	0.283805	0.59421833
3235-50	WFIKKN2	0.283678	0.59430067
13022-20	TP53I11	0.283644	0.59432258
12692-56	DOT1L	0.283492	0.59442183
12573-80	TRIM3	0.282383	0.59514335
10876-300	BRAT1	0.282245	0.59523331
5493-17	WNK3	0.281299	0.59585075
11297-54	NOTCH2	0.28116	0.59594174
13039-1	PPP1R8	0.281065	0.59600377
12343-14	ACAP2	0.280809	0.59617121
3820-68	MAPKAPK2	0.280727	0.59622497
4163-5	H2AZ1	0.280593	0.59631288

11814-29	MET	0.279841	0.59680526
5100-53	SCARB2	0.279579	0.59697717
2968-61	TNFSF15	0.279251	0.59719235
13377-3	CYB561D1	0.279004	0.59735461
8631-13	ERMAP	0.278912	0.59741494
7757-5	HLA-DQA2	0.278568	0.59764129
2683-1	C3	0.278377	0.59776702
12731-12	PLEKHA7	0.27798	0.5980282
12493-42	OTUB2	0.27559	0.59960622
6117-4	PCSK2	0.275463	0.59969021
12933-17	ENOX1	0.27535	0.59976502
7924-7	CD3G	0.275012	0.59998958
13977-28	BARD1	0.274897	0.60006568
3808-76	FGFR2	0.274494	0.60033273
10977-55	UCMA	0.274425	0.60037893
13479-8	FAM171A2	0.274183	0.60053943
9758-17	RPS4X	0.274098	0.60059623
14341-8	DIPK1C	0.273952	0.60069328
2515-14	GFRA2	0.27333	0.60110636
6373-54	DLK1	0.272821	0.60144538
3799-11	CA3	0.271978	0.60200794
8776-10	ERLIN1	0.271856	0.60208917
9579-59	PRRG4	0.271019	0.60264902
7832-181	PDIA3	0.270869	0.60274935
10708-3	GNRH2	0.270473	0.60301495
13457-33	ELF5	0.270452	0.6030286
12732-13	MPP7	0.270273	0.60314862
12486-8	GLRX2	0.269725	0.60351629
8295-16	OLFM2	0.268858	0.60409916
11283-13	DCAF5	0.268063	0.60463425
2636-10	LTBR	0.268031	0.60465563
4930-21	STC1	0.267829	0.60479179
5882-34	EEF1B2	0.266839	0.60546029
10398-110	ANKRD1	0.266655	0.60558438
8372-29	CDHR1	0.26653	0.60566904
11273-176	GSTT2B	0.266338	0.6057992

3803-10	CST5	0.266249	0.60585935
12814-17	RNPC3	0.265178	0.60658481
12864-9	NIPAL4	0.264785	0.60685139
5480-49	CCL5	0.264103	0.60731526
7838-27	SMR3A	0.263417	0.60778218
11838-130	PIEZO1	0.263329	0.60784251
8754-5	NMU	0.263133	0.60797562
9078-207	SNTB1	0.263133	0.60797571
6458-6	RPN1	0.262528	0.60838897
2620-4	IL6ST	0.262121	0.60866699
9361-7	PCDHAC2	0.261771	0.60890638
10675-223	TMX2	0.261762	0.60891197
3033-57	LGALS2	0.26132	0.60921489
7227-75	COCH	0.261286	0.60923824
8092-29	IL6R	0.260873	0.60952115
10445-20	APOM	0.260595	0.60971159
14030-21	TNFSF4	0.260471	0.60979706
9385-4	GAA	0.259974	0.61013819
11591-43	PRC1	0.259878	0.61020385
13536-56	POLI	0.259529	0.61044368
8467-9	INHBA INHBB	0.259446	0.61050101
5345-51	CKAP2	0.259135	0.61071529
3195-50	GNLY	0.258597	0.61108593
6019-12	C1QTNF9	0.257261	0.61200818
3894-15	NAGK	0.257242	0.61202145
11350-30	STUB1	0.257216	0.61203951
3005-5	PTPN1	0.25652	0.61252128
6113-31	EDN3	0.256423	0.61258803
3481-87	XPNPEP1	0.256418	0.61259177
3339-33	THBS2	0.256308	0.6126683
14019-73	EVPL	0.255816	0.61300957
7806-33	B4GALT7	0.255625	0.61314186
11370-20	INPP5E	0.254507	0.61391901
10042-8	SGK3	0.25449	0.61393091
8958-51	CHL1	0.253621	0.61453668
7249-307	BCL2L10	0.253573	0.61457058

14120-2	RNF43	0.25324	0.6148028
2997-8	JAM2	0.253214	0.61482079
3441-64	GSK3A	0.25321	0.61482387
2796-62	FGA FGB FGG	0.253045	0.6149388
3449-58	SERPINA4	0.252878	0.61505553
8686-342	HIKESHI	0.252725	0.61516282
8933-84	MEF2C	0.251944	0.61570982
7925-18	SMCO2	0.251759	0.61583923
5061-27	ICOSLG	0.25109	0.61630884
13513-174	PIAS3	0.250861	0.61646934
13720-95	PRTN3	0.250775	0.61653009
9999-1	IRF6	0.250692	0.61658817
12457-10	ADI1	0.25061	0.61664607
5704-74	GZMM	0.250453	0.61675663
13393-46	DERL1	0.250425	0.61677629
7130-4	LAIR2	0.2497	0.61728641
9826-135	FHIT	0.248454	0.61816601
4179-57	YWHAG	0.248341	0.61824598
11516-7	FABP1	0.248326	0.61825631
5112-73	CD200	0.247789	0.6186364
2686-67	IGFBP6	0.247466	0.61886527
10356-21	JUN	0.24744	0.61888325
6209-2	AOC1	0.247237	0.61902711
10731-10	HS3ST5	0.247219	0.61904009
7882-31	SLAMF7	0.246643	0.61944904
7006-4	COL25A1	0.246412	0.61961261
9121-28	FUT2	0.246111	0.61982653
2630-12	IL1RAP	0.245244	0.62044435
14631-22	DUSP16	0.245133	0.62052309
12355-223	MRRF	0.244971	0.62063854
5337-64	CD86	0.244804	0.6207578
6464-40	PVRIG	0.244692	0.62083737
2692-74	PLA2G2A	0.242838	0.62216396
4905-63	COTL1	0.242793	0.6221961
7211-2	RNASE1	0.242105	0.62269011
4157-2	F2	0.241353	0.62323028

10842-7	GCNT4	0.241162	0.62336829
4829-43	SFN	0.241142	0.6233822
8803-61	NECTIN1	0.240986	0.62349476
8051-10	AGGF1	0.24071	0.62369401
5715-4	ABHD14A	0.239488	0.62457604
13707-27	SPARCL1	0.239351	0.62467551
2819-23	CDH5	0.23896	0.62495817
9867-23	FBP2	0.238931	0.62497909
10490-3	RPN1	0.237868	0.62575037
5227-60	PDK1	0.237861	0.62575526
5586-66	MINPP1	0.237723	0.62585571
3331-8	RGMB	0.237535	0.62599209
13930-3	APOBEC3G	0.23703	0.62635982
7228-2	ST6GALNAC6	0.236979	0.62639665
12786-61	GPCPD1	0.236777	0.62654393
6917-49	LRRC3	0.235957	0.62714165
3825-18	MAPK8	0.235768	0.62727959
2681-23	HGF	0.235711	0.62732095
10798-4	CD300E	0.235599	0.62740308
9128-34	FLRT3	0.235082	0.62778097
11592-1	ELAVL1	0.235001	0.62784013
12445-50	ANKRD27	0.234979	0.62785644
13517-3	PTCHD3	0.234743	0.62802891
4249-64	NME2	0.23462	0.62811947
11510-51	APOL1	0.23426	0.62838292
3323-37	LRP8	0.234026	0.62855451
10036-201	ZHX3	0.23	0.62887718
2706-69	SERPINA7	0.233355	0.62904716
11179-7	TSSK1B	0.232543	0.62964455
10630-5	HTATIP2	0.231516	0.63040167
8948-13	ADAM19	0.231235	0.63060929
6470-19	FBLN1	0.23109	0.63071712
14260-112	NET1	0.230927	0.63083745
11825-27	PPARGC1A	0.230758	0.63096248
9449-150	C4BPA	0.230576	0.63109679
5098-79	KLRF1	0.230352	0.63126324

12425-104	ARF6	0.229369	0.63199186
3600-2	CHIT1	0.22868	0.63250424
11388-75	WFDC2	0.228483	0.63265117
12516-13	TEAD4	0.22694	0.63380187
11510-31	APOL1	0.226276	0.6342989
8325-37	ADH4	0.226086	0.63444128
2867-52	AKT1	0.225752	0.63469149
2913-1	CCL23	0.225682	0.63474449
9027-10	NLGN2	0.225572	0.63482659
5621-64	THSD1	0.225532	0.6348567
4763-31	AFM	0.224988	0.63526505
6259-60	TNC	0.224748	0.63544607
8696-15	GAL3ST1	0.224423	0.63569022
11989-35	EMC1	0.224118	0.63591976
2853-68	CHEK1	0.22338	0.63647633
9754-33	NQO2	0.22336	0.63649143
6506-54	TMED10	0.223243	0.63658025
11089-7	IGHA1 IGHA2	0.223171	0.63663433
11563-51	SYTL4	0.222812	0.63690551
8428-102	NTM	0.222777	0.63693223
3045-72	PTN	0.22232	0.63727769
9266-1	TREM1	0.222248	0.63733265
13119-26	SERPINA10	0.221832	0.63764756
4547-59	FLRT1	0.221112	0.63819372
2828-82	SPINT1	0.22108	0.63821831
5719-66	FAM189A2	0.220644	0.63854975
2638-12	CSF1R	0.220378	0.63875193
5346-24	CPNE1	0.21996	0.63907067
12077-32	MSTN	0.21987	0.63913865
5099-14	LAG3	0.219189	0.63965888
12794-6	NLRP4	0.219086	0.63973708
5024-67	RB1	0.219057	0.63975957
6913-189	HMGB2	0.219048	0.63976638
12510-3	STAP1	0.218901	0.63987888
5733-61	IFNA10	0.218695	0.64003609
10089-7	ASMTL	0.21857	0.64013177

12041-33	HSPA1L	0.218373	0.64028207
2954-56	MMP8	0.216507	0.64171463
14287-6	RAB5C	0.21609	0.64203576
3509-1	CCL15	0.215782	0.64227261
9544-24	C7orf69	0.215048	0.64283913
5249-31	STK17B	0.214988	0.64288528
8382-47	MAPKAPK5	0.214653	0.64314455
6027-31	RLN3	0.214351	0.64337818
11184-51	CHGA	0.214104	0.64356986
12714-38	AP1G2	0.213931	0.6437035
14122-132	ZNRF3	0.213868	0.6437525
13132-14	SEMA5A	0.213103	0.64434644
9506-10	APOL1	0.212772	0.64460304
8089-173	NR4A1	0.211984	0.64521701
9894-13	MYO6	0.211972	0.64522602
9340-17	FKBP14	0.211822	0.6453429
10631-9	PGRMC2	0.21161	0.64550875
12711-19	GJA8	0.211562	0.64554579
7805-52	GOSR1	0.211242	0.64579591
6232-54	CD86	0.211001	0.64598399
11137-43	CSF2RB	0.210593	0.64630284
14708-59	C8G	0.21038	0.64646995
9059-14	RAPGEF5	0.210169	0.64663496
9599-6	PIANP	0.209037	0.64752355
7008-13	EVA1C	0.208773	0.64773101
13256-21	SHANK1	0.20865	0.64782743
3646-7	TEC	0.208583	0.64788005
10623-19	MUC1	0.208155	0.64821746
7867-154	ST6GALNAC1	0.20804	0.64830787
12689-56	ARPC1B	0.207985	0.64835104
14083-25	SEPHS1	0.207851	0.64845683
9221-6	ITPRIPL1	0.207786	0.64850807
6577-64	LAMA4	0.206982	0.64914329
4965-27	ATP5F1B	0.206664	0.64939497
10485-56	MAGEA4	0.206531	0.64950003
9842-2	CTNNB1	0.206375	0.64962333

6342-10	NPNT	0.206194	0.64976715
8099-42	SPON2	0.205775	0.65009941
8220-15	FAM241B	0.205681	0.65017411
10990-21	LRRK2	0.205656	0.65019338
11279-42	GABBR1	0.20561	0.65023016
7693-13	TNFRSF10B	0.205434	0.65037015
13680-3	NAB2	0.205361	0.65042769
6409-57	ADGRF5	0.204693	0.65095908
13027-20	CBX7	0.204522	0.65109516
12892-10	SYTL1	0.204453	0.65115017
12795-2	ZNF566	0.203995	0.65151537
9897-9	MCM6	0.203716	0.65173799
12585-39	ERCC1	0.203464	0.65193959
5441-67	TNNI3	0.203437	0.65196039
11457-53	GALE	0.203389	0.65199899
11110-4	TMEM119	0.20228	0.65288701
11071-1	IL5	0.202035	0.65308328
13622-16	PPP2R5A	0.201731	0.6533271
13438-115	CHRD	0.201314	0.65366263
14583-49	MSTN	0.201079	0.65385094
13596-3	RAB27B	0.201077	0.65385268
12436-84	GSTO1	0.201072	0.65385683
13943-38	DPY30	0.200846	0.65403862
9022-49	DEFB132	0.200757	0.6541107
5730-60	CXCL14	0.200648	0.65419805
3210-1	METAP1	0.200515	0.65430529
3827-22	PAK6	0.200449	0.65435901
9883-29	GLO1	0.200367	0.65442503
6597-24	FAM174A	0.200187	0.65456996
10039-32	PNP	0.199135	0.65541978
13955-33	DAPK1	0.199057	0.65548293
3391-10	PIK3CG	0.198791	0.65569872
11450-110	P4HB	0.198789	0.65570043
2696-87	PSPN	0.198213	0.65616684
13549-15	ADAM29	0.198213	0.65616736
7144-234	KAZALD1	0.19796	0.65637267

10716-35	PSMD5	0.1975	0.65674649
8589-13	CDCP1	0.1975	0.65674655
5481-16	RASA1	0.1974	0.65682751
2682-68	HSPD1	0.197366	0.65685554
12651-21	PDK2	0.197363	0.65685772
7895-108	MRAP	0.197276	0.65692884
12455-48	MYNN	0.197137	0.65704179
10852-114	HNRNPDL	0.197015	0.65714148
7097-8	CDY1	0.196511	0.6575517
4129-72	CFB	0.196362	0.65767354
7770-25	NFU1	0.195731	0.65818914
10362-35	MYC	0.195373	0.65848202
12727-7	PTGFRN	0.194771	0.65897471
8876-51	NRXN2	0.194715	0.65902105
4967-1	C1QBP	0.194476	0.6592172
7262-191	CHST14	0.194433	0.65925274
4968-50	CAPG	0.194305	0.65935781
7766-25	ZP4	0.194032	0.65958139
12398-15	PAX4	0.193945	0.65965295
14115-34	ADM	0.193498	0.66002142
12771-19	ZNF180	0.193305	0.66018007
11401-181	RNF146	0.193149	0.66030856
6324-11	DNASE1L2	0.19267	0.66070373
10749-18	HSPA1A	0.19257	0.6607862
6599-5	APCDD1	0.19246	0.66087707
7143-9	None	0.192435	0.66089745
9348-1	C1RL	0.192393	0.66093252
10087-10	CRYAA	0.192293	0.66101485
8327-26	DPEP2	0.192201	0.66109065
14002-18	DOCK9	0.191732	0.66147926
11699-16	PTP4A2	0.191239	0.6618872
11129-66	BMP15	0.190596	0.66242079
8081-55	PLD5	0.18955	0.66329131
12597-68	ATG5	0.189245	0.66354554
13124-20	ISLR2	0.189217	0.66356896
5129-12	SCARF1	0.189115	0.66365438

12551-3	ITCH	0.189083	0.6636807
9518-95	PLA1A	0.188565	0.66411381
2752-62	GDF5	0.188564	0.66411452
7788-1	ATP5PF	0.188308	0.66432871
8852-10	SUN3	0.187927	0.6646473
11666-72	RGS8	0.187569	0.66494731
14692-3	ZNF276	0.187273	0.66519566
5138-50	TNFRSF12A	0.187253	0.6652127
7917-17	CPD	0.186857	0.66554508
4785-30	SERPINA6	0.1863	0.66601427
11307-33	WWP1	0.185994	0.66627164
11833-83	FXN	0.185528	0.66666478
6077-63	ADA2	0.18523	0.66691636
4145-58	NTF3	0.184875	0.6672165
3485-28	B2M	0.184839	0.6672469
11708-2	LCN1	0.183963	0.66798956
5729-27	SOST	0.183908	0.66803643
7975-97	UNC5A	0.18365	0.66825491
5004-69	MAPK11	0.183107	0.66871679
8825-4	PILRA	0.183075	0.668744
12453-161	NXF1	0.182729	0.66903837
5430-66	SIRPA	0.182571	0.66917328
5062-60	CD226	0.182204	0.66948607
12649-80	MDH2	0.181933	0.66971739
6502-50	CRIM1	0.18193	0.66971984
3222-11	SEMA3A	0.181003	0.67051287
14294-61	MBD1	0.180869	0.67062736
13399-33	RELL1	0.180575	0.67087967
12451-62	BACH1	0.180538	0.67091159
9884-8	PPIL1	0.180515	0.67093074
6392-7	CCN5	0.18036	0.67106404
8569-147	ARL8B	0.180164	0.67123213
8791-151	CA5A	0.1799	0.67145883
4913-78	CCL16	0.179135	0.67211787
8529-1	TNFRSF10B	0.179126	0.67212574
3332-57	HJV	0.179119	0.6721313

11486-26	ZNF174	0.179105	0.67214315
12030-82	DES	0.179026	0.67221122
8045-3	KIR3DL3	0.178792	0.6724131
14133-93	IL1R2	0.178714	0.67248097
9974-8	DLL3	0.178389	0.67276139
12500-88	UBA2	0.177771	0.67329546
13068-139	CCS	0.17749	0.67353899
7944-1	KIR3DL3	0.177367	0.67364591
9004-24	LDLRAD4	0.177137	0.67384501
3394-81	PLK1	0.176836	0.67410672
7887-57	COX5B	0.176355	0.6745242
5478-50	FOLH1	0.176317	0.67455774
6990-44	SDF2L1	0.176199	0.67466014
12439-67	IRF9	0.175795	0.67501222
3204-2	LTA4H	0.175612	0.67517138
5628-21	SEMA3G	0.175092	0.67562519
7195-119	EPHA7	0.17469	0.67597683
13474-40	GSTK1	0.174538	0.67611004
12707-26	DPYSL3	0.174488	0.67615374
11955-1	ARHGAP1	0.174381	0.67624686
10447-18	PABPC3	0.174173	0.67642944
9760-13	MAPK9	0.173075	0.67739346
6544-33	NELL1	0.173059	0.67740722
4314-12	DCTPP1	0.172955	0.67749863
8985-13	SERAC1	0.172937	0.67751483
11671-19	BRPF1	0.172679	0.67774181
7856-51	FAM151A	0.172676	0.67774432
10638-1	TINF2	0.172535	0.6778687
3359-11	CDK8 CCNC	0.172478	0.67791845
8042-88	SPINK9	0.172465	0.67793044
8307-47	C11orf68	0.172111	0.6782429
4337-49	CRP	0.172044	0.67830187
10546-2	TSPEAR	0.171681	0.67862245
10046-55	BIRC2	0.171596	0.67869684
6361-49	PTPRR	0.170706	0.67948549
12491-23	CLIC4	0.170135	0.67999218

8231-122	FLT1	0.170092	0.68002983
9365-91	EYS	0.169828	0.68026481
9310-2	CD8B	0.169786	0.68030249
8079-39	EID3	0.169759	0.68032622
6104-1	FGFRL1	0.169399	0.68064612
9261-14	EPHB6	0.169169	0.68085116
3607-71	DKK3.00	0.169141	0.68087645
5837-49	LIFR	0.168749	0.68122634
8480-29	EFEMP1	0.168733	0.68124032
3434-34	FN1	0.168631	0.68133122
12700-9	ACLY	0.168392	0.68154493
12387-7	PDLIM4	0.16827	0.68165421
13657-2	PNKP	0.168206	0.68171114
7060-2	ERO1A	0.167895	0.68198982
3506-49	LTA LTB	0.167873	0.68200904
6467-65	POGLUT1	0.167732	0.68213522
14186-13	RFFL	0.167676	0.68218551
7070-25	KEL	0.167573	0.68227805
10900-272	STMN2	0.167162	0.68264681
5115-31	RELT	0.167087	0.68271369
3723-1	NPPB	0.166726	0.68303831
10975-59	MUCL1	0.166694	0.68306696
10561-5	PGLYRP3	0.165434	0.68420212
11827-7	RORC	0.16529	0.68433203
8756-41	KCNE5	0.165002	0.68459216
14655-1	DNAJC17	0.164412	0.68512662
6526-77	OBP2A	0.164378	0.68515756
12687-2	DECR1	0.164005	0.68549609
7762-30	SNN	0.163909	0.68558274
11354-21	PLCB1	0.163281	0.68615393
8535-102	DMKN	0.163147	0.68627528
9869-28	NFKB1	0.163102	0.68631661
10015-119	KCNAB2	0.16	0.68640246
13408-23	WFIKKN2	0.163003	0.68640655
8955-60	GLT8D1	0.162502	0.68686373
12499-108	SH3GL2	0.161643	0.68764871

5765-53	DEFB121	0.161525	0.68775635
14057-68	TNFSF15	0.161406	0.68786493
9409-11	TPSAB1	0.161339	0.68792704
9241-40	SIRPG	0.161047	0.68819434
5005-4	MAPK12	0.160974	0.68826162
11144-10	DEFB116	0.160289	0.6888906
10365-132	IL12B IL23A	0.160197	0.68897564
12509-115	COMMD1	0.159882	0.68926515
12963-1	GPR107	0.159828	0.68931453
5094-62	JAML	0.159723	0.68941168
7083-74	MATN4	0.159714	0.6894198
3627-71	MMEL1	0.159701	0.68943213
13724-27	FGF19	0.159598	0.68952712
4970-55	CA2	0.159585	0.68953881
12777-11	SF1	0.159371	0.68973585
2851-63	C5	0.159261	0.68983781
11562-9	POLE2	0.159127	0.68996174
3364-76	CTSV	0.158958	0.69011804
8296-117	POGLUT3	0.158846	0.69022144
5132-71	IL27RA	0.158837	0.69022953
3143-3	CD4	0.158811	0.69025394
3198-4	IDS	0.158673	0.69038118
3873-51	TPO	0.158671	0.6903835
2844-53	TIE1	0.158629	0.69042233
14645-253	GSTA4	0.158524	0.69051895
6992-67	HBD	0.158471	0.69056783
2645-54	PRKCZ	0.158217	0.6908034
7046-6	C20orf173	0.15749	0.691478
14713-46	AZU1	0.157465	0.69150093
6583-67	SERPINA10	0.156882	0.6920431
8597-1	TMEM9	0.156817	0.69210401
12987-12	SRSF7	0.156315	0.69257188
2693-20	OSM	0.156215	0.69266589
5009-11	MSN	0.155509	0.69332495
10753-31	ADAM7	0.155262	0.69355694
10069-2	PIN1	0.155073	0.69373338

8380-244	DLK1	0.154988	0.6938133
13932-45	ARHGEF7	0.154839	0.69395286
6454-38	ARHGDIA	0.154687	0.69409628
7991-54	IQCF1	0.153769	0.69495931
11582-63	DNAJA2	0.153612	0.69510716
7894-155	FGF3	0.153024	0.695662
11327-56	CLK2	0.15299	0.69569468
10743-13	SLITRK1	0.152656	0.6960104
11683-19	GGA3	0.152291	0.69635583
4471-50	TGM3	0.152242	0.69640214
13950-9	CERT1	0.152115	0.6965221
11549-6	ISL1	0.151995	0.69663617
4959-2	AGR2	0.151635	0.6969773
7785-1	EFNB3	0.151589	0.69702164
6451-64	ASPN	0.151508	0.69709843
8367-142	VSIG1	0.151215	0.69737706
3052-8	FASLG	0.15098	0.69760063
2775-54	IL17F	0.150542	0.69801827
7016-12	GCNT1	0.15034	0.69821064
13983-27	CRYZ	0.150268	0.69827913
9317-4	LRRC25	0.150088	0.69845103
5615-62	FAM172A	0.150011	0.69852527
13717-15	FCN2	0.149851	0.69867734
6543-182	PRLH	0.149411	0.6990992
6909-40	MGAT2	0.149176	0.69932372
6447-73	PTX3	0.149104	0.69939295
3169-70	IDUA	0.149055	0.69944053
5351-52	HNRNPA2B1	0.149022	0.69947197
3344-60	SERPINC1	0.148395	0.7000735
6321-65	PCDHGA10	0.148392	0.70007693
5644-60	RNASE4	0.148227	0.70023546
7224-11	TRAT1	0.148181	0.70027931
5810-25	TDGF1	0.148126	0.70033263
8945-7	ABRAXAS2	0.147946	0.70050631
4964-67	ERAP1	0.147729	0.7007152
13725-3	FGF16	0.14767	0.70077217

7194-36	NPTN	0.147389	0.70104285
9313-27	CBLN1	0.146825	0.70158851
3057-55	CCN4	0.146663	0.70174452
8021-59	MRPL14	0.146205	0.70218846
9878-3	SULT1E1	0.146169	0.70222405
5000-52	LGALS3BP	0.146152	0.70224028
13958-5	RBM46	0.146103	0.70228763
9275-2	SIGLEC5	0.145231	0.7031347
3581-53	AHSG	0.145089	0.70327336
13131-5	HK1	0.144959	0.70340013
8818-13	IFNGR2	0.144551	0.70379749
14674-63	PACSLN3	0.144289	0.70405355
7813-6	ALPP	0.144015	0.70432127
5355-69	TNFSF14	0.14398	0.70435613
4831-4	SELL	0.143955	0.70438059
3828-54	PDGFC	0.143688	0.70464198
4154-57	SELP	0.143449	0.70487637
14197-2	PRDM1	0.143287	0.70503475
2999-6	LSAMP	0.143229	0.70509142
12430-78	PAIP1	0.14317	0.70515
2677-1	EGFR	0.142265	0.7060399
4393-3	FGF16	0.141995	0.70630601
5384-67	BRF1	0.141952	0.70634797
8458-111	SNCA	0.141846	0.70645317
9747-48	MARK3	0.141813	0.70648538
5915-58	PEX5	0.141729	0.70656804
10967-12	PRL	0.141539	0.70675571
3009-3	TGFBR3	0.141372	0.70692061
5631-83	MLN	0.141152	0.70713802
8645-257	PEX14	0.140853	0.70743439
8973-23	FCRL4	0.140635	0.7076503
9503-1	NMS	0.140226	0.7080565
5755-29	GIP	0.140211	0.70807112
9831-12	G3BP2	0.139636	0.70864364
11275-94	LRP1B	0.13927	0.70900759
9392-43	MGAT4A	0.139174	0.70910368

6226-69	MICU2	0.138596	0.70968033
6966-144	STX1B	0.138039	0.71023871
13595-20	THTPA	0.137719	0.71055941
2765-4	GDF11 MSTN	0.137657	0.71062172
7136-107	HBE1	0.13758	0.71069831
6291-55	CLSTN3	0.137121	0.7111604
7081-2	BTN3A1	0.137052	0.71122907
13452-113	SMIM13	0.137034	0.71124766
6408-2	INHBC	0.136856	0.71142631
3469-74	RPS6KA3	0.13682	0.71146325
12766-33	GPR142	0.136578	0.7117073
14110-200	SPARC	0.136161	0.71212801
11480-1	ALDH3A1	0.135993	0.71229781
2763-66	FGF20	0.135754	0.7125389
7190-50	EPHA4	0.135608	0.71268661
12538-19	RGS7	0.135389	0.71290851
6391-52	LILRA3	0.135347	0.71295133
7863-50	PGRMC1	0.135334	0.71296403
13397-88	DEFB4A	0.135125	0.71317627
12420-10	GPD1L	0.135061	0.71324127
12975-11	KRT20	0.134607	0.7137019
6991-24	FUT9	0.134532	0.71377861
11536-9	MYSM1	0.134389	0.71392411
10511-10	COL6A3	0.134375	0.71393836
4224-7	SYNCRIP	0.134334	0.71397968
9739-4	MSH2	0.134265	0.71405023
9744-139	DNAJA4	0.134237	0.71407854
12940-35	ALDH3B1	0.134196	0.71412048
4271-75	PFDN5	0.134162	0.71415501
3290-50	CD109	0.133969	0.71435191
11200-52	CD93	0.133836	0.71448758
11934-9	INTS3	0.133117	0.71522184
8980-19	CD200R1L	0.132807	0.71553948
2975-19	CCN2	0.132065	0.71630087
3387-1	PAK3	0.13206	0.71630585
8874-53	CLN5	0.131137	0.71725602

2961-1	PROC	0.130886	0.71751556
2449-1	PLA2G5	0.130794	0.71761067
2969-11	ACVRL1	0.130747	0.7176586
13463-1	PXDN	0.13059	0.71782129
11149-3	TLR1	0.130549	0.71786396
11530-37	HMBS	0.130428	0.71798897
5742-14	ACP6	0.13033	0.71808999
3585-54	BSG	0.130021	0.71841002
5610-32	FAM171A1	0.129986	0.71844656
11586-2	LRRN1	0.129954	0.71847939
2831-29	KLK11	0.129874	0.71856295
5031-10	SPTAN1	0.129685	0.71875883
6626-81	CHST12	0.129481	0.71897042
10699-52	LRP1	0.129378	0.71907787
6359-50	POMGNT2	0.129315	0.71914363
11226-16	UBE3A	0.129047	0.71942191
8897-3	LRRC37A2	0.128977	0.71949481
11098-1	PDXK	0.128945	0.71952829
11590-5	RBM23	0.128433	0.72006275
13526-5	SSB	0.128297	0.72020397
5245-40	PRKAA2 PRKAB2 PRKAC	0.128235	0.72026873
9316-67	WFDC1	0.128041	0.72047205
14156-33	YWHAB	0.127893	0.72062621
14050-61	EFNA4	0.127698	0.72083117
13439-6	IQCF3	0.127575	0.72095946
11260-47	SUN5	0.127434	0.72110768
9322-15	RCN1	0.127135	0.72142084
9267-2	CPA4	0.126493	0.72209654
8394-56	RNASE2	0.126393	0.72220161
9750-7	S100A4	0.126243	0.72235949
6930-95	ST8SIA6	0.125605	0.7230328
9719-145	MMP16	0.125451	0.72319556
10435-2	AGA	0.12541	0.72323917
5383-14	TNFRSF13C	0.124973	0.72370233
12891-1	MICALL2	0.124504	0.72420044
14066-49	MAGI2	0.124397	0.72431326

4124-24	HSPA1A	0.123954	0.72478464
9224-20	PRLR	0.123883	0.72486044
11656-110	EVL	0.123717	0.72503754
5764-4	GALNT2	0.122854	0.72595975
11218-84	TPMT	0.12262	0.72620968
8465-52	CTSH	0.122212	0.72664726
5261-13	ABL2	0.122073	0.72679661
5508-62	CTSD	0.122065	0.72680567
11545-9	TNFRSF14	0.12187	0.72701517
9278-9	CXCL12	0.121284	0.72764568
11286-78	SELENOS	0.120961	0.72799489
9730-22	GHDC	0.12085	0.72811432
13735-1	RAP1GAP	0.120422	0.72857674
7121-2	SYT7	0.119809	0.72924219
10344-334	IL10RA	0.11964	0.72942569
3821-28	MAPKAPK5	0.119491	0.72958695
5250-53	IMPDH2	0.118806	0.73033333
3620-67	IL22RA1	0.118244	0.7309466
8236-8	C18orf32	0.118226	0.73096666
4261-55	PON1	0.118137	0.73106421
12034-28	CAP1	0.118019	0.73119327
10882-12	DSC1	0.117929	0.73129202
5280-68	SLC25A18	0.117814	0.73141776
8034-6	DRGX	0.117553	0.73170374
8369-102	DAG1	0.117529	0.73172959
10606-34	TOR1AIP1	0.117332	0.73194681
4436-1	ENTPD3	0.117321	0.7319587
9190-7	CD63	0.117231	0.73205698
7007-24	TRAPPC4	0.116831	0.73249738
3213-65	NID1	0.116514	0.73284679
5275-28	VAV1	0.116258	0.73312894
9870-17	WARS1	0.11619	0.73320424
7173-141	TMEM132C	0.116134	0.73326632
9600-55	THSD7A	0.116072	0.73333467
7846-44	PSG11	0.115906	0.73351841
13112-179	FSTL1	0.115681	0.73376644

10801-11	EFNA2	0.115216	0.73428246
11670-18	GPR101	0.115105	0.73440593
8059-1	THPO	0.114831	0.73470943
5698-60	TNXB	0.114795	0.73475029
2948-58	GHR	0.114777	0.73476988
11311-79	RAG1	0.114761	0.73478781
11112-18	TMEM167A	0.114422	0.73516526
5252-33	PDE11A	0.11441	0.7351781
13435-31	IL20RB	0.114261	0.73534457
9857-38	IRF4	0.114138	0.7354817
2970-60	AREG	0.114135	0.73548489
11571-75	KLRC3	0.113905	0.73574111
13473-55	ITPKA	0.113576	0.73610865
8750-46	VCL	0.113455	0.73624438
7888-58	COA3	0.113323	0.73639218
9259-35	TNFRSF21	0.112984	0.7367722
8888-33	SMIM9	0.112806	0.73697136
11696-7	CRABP2	0.11206	0.73781045
6411-58	DEFB135	0.111727	0.73818681
12427-8	CDC25B	0.111643	0.73828171
8280-238	VTN	0.111559	0.7383767
8956-96	SCARF2	0.111414	0.73853967
3832-51	PTK6	0.111319	0.7386476
10479-18	MMP10	0.110738	0.73930598
2570-72	IGFBP2	0.110489	0.7395883
11167-6	MTMR1	0.110465	0.73961579
12662-82	ECH1	0.110021	0.74012003
4990-87	GP1BA	0.109757	0.74042042
8245-27	ICAM5	0.109699	0.74048752
8005-1	MXRA7	0.109388	0.74084192
9043-7	TFIP11	0.109375	0.74085678
6941-11	SUMF1	0.109149	0.74111541
3173-49	NAAA	0.109088	0.74118512
9598-23	CSMD1	0.108958	0.74133374
12423-38	A1CF	0.108863	0.74144253
10058-1	RAD23A	0.10883	0.74148023

4708-3	HSD17B1	0.108465	0.74189889
11164-7	TENM2	0.108047	0.74237823
7066-199	FAM209B	0.107752	0.74271804
14128-121	IFNA10	0.107141	0.74342318
3010-53	TSLP	0.106891	0.74371187
3122-6	DIABLO	0.106681	0.74395435
11672-17	KIF16B	0.105976	0.74477296
8918-64	PTK2B	0.105964	0.74478676
11667-29	TNS2	0.105755	0.74502989
11102-22	REG4	0.105666	0.74513294
9942-2	NXT1	0.105583	0.74523022
11431-235	RECQL	0.105048	0.74585417
9956-7	ADAM15	0.104765	0.74618417
6003-28	NEU1	0.104557	0.74642765
7241-12	CD247	0.104245	0.74679399
7986-98	NAALAD2	0.10418	0.74686961
10472-53	TNFRSF14	0.104078	0.74698969
12484-67	PITPNB	0.103926	0.74716868
9075-121	MINAR1	0.103842	0.74726668
7784-1	KNG1	0.103094	0.7481477
7201-5	ISCU	0.102852	0.7484339
3450-4	KLK6	0.102773	0.74852661
9012-1	PRPF6	0.102639	0.74868547
10670-26	SEMA3E	0.102561	0.74877802
8355-80	None	0.102549	0.7487916
2937-10	APOE	0.102514	0.7488334
3043-49	SPARC	0.102487	0.74886571
3807-1	FGF23	0.102202	0.74920356
13476-16	KIN	0.101613	0.74990243
4482-66	C5 C6	0.101478	0.7500628
9287-6	SPR	0.100767	0.75091167
5069-9	CD55	0.100187	0.75160558
2649-77	ICAM3	0.099514	0.75241392
10847-1	SIGLEC15	0.099435	0.75250845
3152-57	TNFRSF1B	0.099353	0.7526069
2925-9	SERPINE1	0.09923	0.75275507

3616-3	GNS	0.099164	0.75283473
13744-37	IL3RA	0.098822	0.75324731
9796-4	CEL	0.098668	0.75343365
7156-2	FUT10	0.098565	0.75355847
11347-9	TALDO1	0.09854	0.75358921
4324-33	CST2	0.097787	0.75450125
8261-51	STOM	0.097288	0.75510829
7951-146	FCRL2	0.097075	0.75536891
12396-19	HIBCH	0.097039	0.75541217
4890-10	POMC	0.097012	0.7554453
3534-14	CD40LG	0.097008	0.75544982
4807-13	COL8A1	0.096673	0.75585952
7741-111	RTF1	0.096662	0.75587286
9297-12	B3GNT8	0.096641	0.75589824
10527-22	DHX9	0.096507	0.75606208
14314-6	PPIL2	0.096443	0.75614104
13510-7	ATP2A3	0.096346	0.75625927
8959-61	ADAM17	0.096183	0.75645944
11816-84	JAK2	0.096163	0.75648346
5139-32	UNC5C	0.09552	0.7572732
2849-49	AIF1	0.095312	0.75752927
9986-14	NPW	0.095213	0.75765152
6563-78	HSPA1A	0.09471	0.7582727
8785-1	ARMC5	0.094317	0.75875925
12758-47	GRID2	0.094023	0.75912342
12705-9	HERC1	0.094016	0.75913209
5988-49	TNFSF14	0.094001	0.75915092
11566-48	KRT72	0.093793	0.7594093
5617-41	NPFF	0.093494	0.75978184
13496-19	HMGCS1	0.093245	0.76009146
7860-9	HERC4	0.093243	0.76009441
5708-1	LEAP2	0.09323	0.76010984
3647-49	TLR4 LY96	0.093199	0.76014915
13470-43	PTH1R	0.093149	0.76021152
9478-69	PRPSAP1	0.093112	0.76025736
4982-54	PI3	0.09296	0.7604474

10462-14	INSL5	0.092912	0.76050768
10978-39	GH2	0.092829	0.76061064
12721-4	TAX1BP1	0.092687	0.76078863
12456-5	PFKFB3	0.092519	0.76099846
12571-14	ARL3.00	0.092464	0.76106772
9590-10	COX7A2L	0.092139	0.76147543
10825-12	VSIG10	0.091998	0.76165268
9211-19	SERPINF1	0.09189	0.76178846
3809-1	FGFR3	0.091792	0.76191064
4297-62	SPON1	0.091446	0.76234658
11203-97	PKLR	0.091292	0.76254121
4832-75	TNFRSF10A	0.091219	0.76263281
14064-21	PGLYRP1	0.091141	0.76273166
9772-153	NLGN2	0.091124	0.76275284
5992-50	CD8A	0.091076	0.76281345
3351-1	CAMK2B	0.090703	0.76328543
6624-94	WNT11	0.090611	0.76340244
9457-3	CAV2	0.090562	0.76346426
11438-6	DNAJB2	0.090492	0.76355316
10047-12	NCF2	0.090421	0.76364242
11083-23	ENO2	0.090022	0.76414876
8587-21	SPINK14	0.089979	0.76420398
6294-11	BAGE2	0.089965	0.76422131
3212-30	ASAH2	0.089602	0.7646834
8299-66	LILRA4	0.089563	0.76473381
4963-19	ARPP19	0.089527	0.76477991
14048-7	IL1RAP	0.089428	0.76490582
8323-163	TFF3	0.089327	0.76503505
5542-22	NRP1	0.088379	0.76624766
10539-30	CD99L2	0.088148	0.76654534
12760-34	ZNF774	0.08799	0.76674842
13490-1	MPP6	0.087815	0.76697297
10001-7	RAF1	0.09	7.67E-01
6948-82	FIG4	0.087456	0.76743679
9543-131	COG8	0.087417	0.76748662
2597-8	VEGFA	0.086968	0.7680677

13485-20	TMEM87B	0.086803	0.76828147
10426-21	GOSR2	0.086714	0.76839718
9264-11	CTSO	0.086573	0.76858001
13733-5	IL12B	0.08654	0.76862298
9486-13	DEFB125	0.086504	0.76866936
5635-66	TREM2	0.086	0.76932561
13066-42	EDC4	0.085983	0.76934708
6604-59	NDNF	0.085588	0.7698626
8321-27	ZNF843	0.085338	0.77019023
12779-30	PRDM4	0.085125	0.77046893
5643-2	LCN8	0.085054	0.77056152
4209-60	VTA1	0.084982	0.77065659
5623-11	CD300LF	0.084975	0.77066573
12382-2	DDX58	0.084737	0.7709774
5854-60	MAPT	0.084731	0.77098592
8248-222	SIGLEC14	0.084614	0.7711392
8946-38	NR1H4	0.084533	0.77124524
13076-4	FXR1	0.084438	0.77137027
3388-58	PAK5	0.084087	0.77183382
6641-60	UBB	0.083931	0.77203962
14088-38	IGFBP6	0.083283	0.77289622
13937-75	CAND1	0.083188	0.77302309
4131-72	FN1	0.083075	0.77317327
7851-30	ANKRD46	0.082964	0.77332008
8060-7	NRG2	0.082817	0.77351613
12583-77	ARAF	0.082785	0.77355851
5451-1	ALCAM	0.082727	0.77363497
11365-17	TENM4	0.082574	0.77383897
8633-18	RNF128	0.082397	0.77407529
4563-61	PLCG1	0.082283	0.77422767
14082-56	TLN2	0.082236	0.77429028
13053-6	SLC6A14	0.082172	0.77437501
4318-12	PTPN6	0.082058	0.77452742
7073-69	C22orf15	0.081724	0.77497418
12563-2	TNFAIP8	0.081499	0.77527556
4929-55	SHBG	0.081254	0.77560584

6366-38	TXNDC15	0.080912	0.77606591
4840-73	CSF3	0.080741	0.77629564
3343-1	ACY1	0.080566	0.7765317
9374-24	NNAT	0.080294	0.77689881
3872-2	TPT1	0.080289	0.7769061
5026-66	RPS3	0.080073	0.77719806
2860-19	KPNA2	0.079945	0.77737153
3495-15	CXCL6	0.079251	0.77831486
9487-60	GHRH	0.079101	0.77851972
11315-148	PPM1D	0.078901	0.77879195
5741-55	RNASE3	0.078733	0.77902149
8068-43	MYORG	0.078658	0.7791239
7823-22	ST6GALNAC2	0.078565	0.77925141
8864-59	CENPW	0.078509	0.77932756
12832-10	ASH2L	0.078464	0.77938964
5029-3	FAP	0.078358	0.77953444
9185-15	TFF1	0.078266	0.77966132
8901-40	YWHAG	0.077972	0.78006524
6393-63	HSP90B1	0.077736	0.78038874
8863-3	PIK3R1	0.077709	0.78042653
12720-71	UBQLN4	0.077599	0.78057814
7189-55	CHST3	0.07673	0.78177898
9738-7	FAF2	0.076539	0.78204319
3044-3	CCL18	0.076349	0.78230752
5259-2	MAP3K7 TAB1	0.075404	0.78362462
11333-82	ARHGAP25	0.075264	0.78382063
10818-36	SMPD1	0.075137	0.78399913
6230-56	CER1	0.074782	0.78449769
9412-52	ACVR2B	0.074685	0.78463395
13468-5	NEURL4	0.074597	0.78475686
12549-33	HPGDS	0.074138	0.78540404
6491-59	KLK15	0.073715	0.78600284
12332-7	EEF2K	0.073164	0.78678492
10704-91	IRAG2	0.073095	0.78688303
7233-73	P2RX6	0.072862	0.78721387
3216-2	PIGR	0.07266	0.7875025

5465-32	HS6ST1	0.072605	0.78758053
7268-12	IFNA4	0.072385	0.78789549
4148-49	PAPPA	0.07235	0.78794502
12528-40	WRNIP1	0.072311	0.78800089
12454-105	NTMT1	0.072104	0.78829717
14094-29	HBEGF	0.071979	0.78847639
9749-190	LCP1	0.071865	0.78863977
7786-83	CLEC2B	0.071596	0.78902721
3352-80	CA6	0.071185	0.78961928
7050-5	NEGR1	0.071136	0.78968942
9436-2	ID1	0.070976	0.78992066
11372-2	ZNF18	0.07091	0.79001691
4834-61	EPHA2	0.070705	0.79031349
3069-52	IGHM	0.07017	0.79108889
5462-62	FCN3	0.069891	0.79149549
4769-10	OLFM4	0.069593	0.79193011
10070-22	PLCG2	0.069194	0.79251414
8813-160	TXN	0.068983	0.79282314
10582-36	POMK	0.068917	0.79292066
7994-41	ERO1B	0.068736	0.79318662
8046-9	LGALS1	0.068718	0.79321329
13947-371	NUDT12	0.068524	0.79349802
3059-50	TNFSF13B	0.068514	0.79351237
5726-49	SPAG11A	0.068306	0.79381891
9947-22	TOPBP1	0.068277	0.79386154
5253-1	PDE1A	0.068204	0.7939702
8778-3	NOG	0.068133	0.79407464
8469-41	IGFBP2	0.067952	0.79434262
8819-3	IGFBP2	0.067806	0.7945584
11557-3	SMURF1	0.067269	0.79535503
4435-66	ENPP7	0.067262	0.79536648
6049-64	PTPRS	0.067214	0.79543681
13704-5	HMGCS2	0.067164	0.79551201
10420-30	FAIM	0.066988	0.79577372
14102-6	GNLY	0.066985	0.79577764
2917-3	TNFSF11	0.066518	0.79647642

13381-49	B4GALT1	0.06644	0.79659269
11661-11	NLRP1	0.066304	0.7967967
13589-10	APBB3	0.066293	0.79681219
13743-56	CUL4B	0.066086	0.79712372
13982-33	RGS18	0.065894	0.79741207
3435-53	FN1	0.065463	0.79806045
9932-49	SEMA4F	0.06529	0.79832146
13556-28	HTR2A	0.065218	0.79843056
12783-29	HNRNPM	0.065148	0.79853764
3303-23	CST6	0.065142	0.79854577
6480-1	CANT1	0.065112	0.79859168
12432-23	CACYBP	0.065105	0.79860157
5620-13	PAM	0.065042	0.79869707
10949-59	RPLP2	0.06496	0.79882083
13681-173	CSNK2A2	0.064814	0.79904269
10608-9	HTN1	0.064754	0.79913391
9117-4	IL36G	0.064629	0.79932321
5637-81	NTNG1	0.064605	0.79936055
5676-54	ASIP	0.064604	0.79936222
8780-2	PCDH10	0.064359	0.79973514
12976-49	SORBS3	0.064266	0.79987614
9764-79	HNRNPF	0.064218	0.79994891
12644-63	ADSS2	0.064124	0.80009294
13946-8	DDX23	0.06377	0.80063356
12844-10	BAG4	0.063674	0.80077993
4460-8	PDPK1	0.063257	0.80142035
13561-5	HTR6	0.063255	0.80142317
6570-1	COL13A1	0.063194	0.80151692
7742-11	RNF148	0.062972	0.80185945
7628-40	CRELD1	0.062738	0.80222021
9232-1	ROBO4	0.062611	0.80241555
5085-18	IL20RA	0.062359	0.80280559
14759-149	CDH1	0.062329	0.80285211
7799-3	KIR2DL5A	0.06225	0.80297387
9987-30	LRRC25	0.062055	0.80327634
12476-50	TIGAR	0.062029	0.80331665

11266-8	SELPLG	0.061808	0.80366155
9468-8	LMAN2	0.061788	0.80369172
3486-58	FGF1	0.061717	0.80380253
3484-60	AGT	0.061688	0.80384829
2642-4	PAFAH1B2	0.061598	0.80398763
14035-13	TIAM1	0.061235	0.8045539
6207-10	PSAP	0.061018	0.80489406
12389-4	ORC6	0.060876	0.8051174
13507-51	TRADD	0.060573	0.80559284
7242-14	VSTM4	0.059863	0.80671212
4866-59	NTRK2	0.059757	0.80688064
5663-18	PF4V1	0.059569	0.8071781
5011-11	NAMPT	0.059286	0.80762755
8950-4	CLCA2	0.058953	0.80815829
3629-60	CDC42BPB	0.058865	0.808299
5459-33	CST1	0.058742	0.80849504
11360-39	RRM1	0.05862	0.80869084
5087-5	IL22RA2	0.058578	0.80875704
2704-74	TNFRSF13B	0.058551	0.80880061
11175-45	LPCAT2	0.058328	0.80915786
5803-24	C3	0.058285	0.80922775
6384-19	WFDC3	0.058047	0.80960975
11160-56	RNF122	0.058039	0.80962293
3366-51	ECM1	0.057827	0.80996434
8766-29	LILRA5	0.057723	0.81013173
6406-3	NMES1	0.05753	0.81044332
11185-145	GCH1	0.057479	0.81052627
10714-7	ACE	0.057293	0.81082756
9808-41	TNRC6B	0.057209	0.81096321
13430-50	SLC14A1	0.057088	0.81115881
3853-56	MDH1	0.056788	0.81164678
8035-6	C1orf198	0.056768	0.81167919
9837-60	NQO1	0.056412	0.81225889
2614-28	EFNA4	0.056354	0.81235406
9950-229	LAG3	0.055938	0.81303509
10363-13	SMAD3	0.055818	0.81323208

2976-58	DSG1	0.055627	0.81354689
12622-96	ASH1L	0.055345	0.81400996
7003-4	GALNT10	0.055114	0.81439131
8235-48	CHGB	0.054913	0.81472522
7983-1	PCDHGC5	0.054243	0.81583759
9191-8	TFF2	0.054197	0.81591465
11289-31	CSNK1D	0.054158	0.81598014
13976-9	ARHGEF1	0.054078	0.81611277
2714-78	AIMP1	0.054038	0.81617962
4238-4	LIN7B	0.053989	0.81626174
9875-107	THOC1	0.053649	0.81683144
3026-5	CAST	0.053484	0.81710827
6276-16	FURIN	0.05329	0.8174343
13973-62	TTL	0.053276	0.81745762
14085-28	IL13	0.053275	0.81745955
11134-30	MTRF1L	0.053154	0.81766345
5731-1	SPINK6	0.052795	0.8182695
3472-40	BIRC5	0.052743	0.81835655
10339-48	ENO2	0.052644	0.81852498
3738-54	CSF1	0.051978	0.81965604
8994-65	SLAMF8	0.051922	0.81975229
8903-1	COX6C	0.051793	0.81997193
3070-1	IL2	0.051531	0.82042042
9064-12	RNF215	0.051498	0.82047709
10734-339	GAL3ST2	0.051401	0.82064355
6245-4	NECTIN2	0.051275	0.82085882
11543-84	LIMA1	0.051059	0.82123132
12667-2	GDA	0.051034	0.82127338
12734-112	KIF22	0.050955	0.82140927
2634-2	IL2RG	0.050896	0.82151127
13574-50	RND1	0.050752	0.82175903
9899-28	KIF1C	0.050559	0.82209411
13097-11	BCL2L2	0.050488	0.82221553
2585-2	PRL	0.049811	0.82339221
12768-3	PPP1R3B	0.04928	0.82432144
7891-45	UGT1A6	0.049184	0.82449005

13967-14	TXNRD1	0.048929	0.82493705
2950-57	IGFBP4	0.04881	0.82514748
7218-87	ATP1B2	0.048711	0.82532182
11391-69	MVK	0.048529	0.82564251
11537-12	TFR2	0.048215	0.82619911
5903-91	HSPA8	0.048178	0.82626389
3171-57	APP	0.048165	0.82628827
6469-62	LY6G6D	0.048115	0.82637615
3852-19	DNAJB1	0.047994	0.82659074
2501-51	CDH1	0.047963	0.82664657
13464-8	NRAC	0.047906	0.82674738
5716-49	CSAG1	0.047874	0.82680488
7995-16	None	0.047858	0.8268329
12873-11	SPN	0.047567	0.82735279
8353-15	SCN2B	0.047511	0.82745281
7886-26	SPTLC1	0.047474	0.82751804
7911-29	SCN4B	0.047395	0.82765999
2441-2	FGF10	0.047184	0.82803727
7880-9	PSMA1	0.046936	0.82848368
12498-12	TAX1BP3	0.046904	0.8285402
6434-18	AOC2	0.046774	0.82877498
5660-51	SOD3	0.046482	0.82930114
8334-65	TCP11	0.04648	0.82930564
8011-96	ACP7	0.046217	0.82978222
12682-5	KYAT3	0.045962	0.83024531
4423-77	BCL2L1	0.04589	0.83037676
10816-150	PILRA	0.045836	0.83047349
14051-54	FOXC2	0.045773	0.83058933
13067-5	PRKG1	0.045523	0.83104451
7744-10	LRP12	0.045518	0.83105489
8982-65	THBS3	0.045397	0.83127578
8851-42	FAM171B	0.045377	0.83131223
7893-19	OLR1	0.045276	0.83149766
3403-1	TPSB2	0.045017	0.83197213
8393-121	CTSF	0.044981	0.83203952
13924-13	MYZAP	0.044925	0.83214272

8243-55	SPINK1	0.044539	0.8328549
11596-47	ZNF75D	0.044512	0.8329045
8053-16	DNAJB14	0.044259	0.83337244
2938-55	APOE	0.044061	0.8337408
12557-18	NOVA1	0.044055	0.83375157
10571-14	MGAT1	0.043691	0.83442873
7850-1	COX4I2	0.043682	0.83444594
9227-15	PDCD1	0.043522	0.83474465
7748-11	NDUFV2	0.043518	0.8347536
7934-11	NDRG4	0.043335	0.83509564
8767-44	ECE1	0.043317	0.83512885
12872-35	CNGA2	0.043304	0.83515445
10855-55	PLXNB2	0.0433	0.8351608
8310-6	ZG16B	0.043283	0.83519379
4920-10	LYZ	0.04281	0.83608331
4907-56	FGA FGB FGG	0.042688	0.83631468
13007-66	LCN10	0.042265	0.83711607
9451-20	UMOD	0.042157	0.8373217
5065-8	CD83	0.042034	0.83755486
10460-1	CHIT1	0.041957	0.8377026
8998-15	HS3ST4	0.041636	0.83831451
9846-32	ARHGDIB	0.041427	0.83871565
8028-22	SPINK5	0.041247	0.83906249
8772-5	EFNB2	0.041188	0.83917486
2987-37	H1-2	0.040941	0.83965134
11551-16	HMG20B	0.040908	0.83971634
8258-22	UXS1	0.04066	0.8401956
8927-6	None	0.040631	0.84025149
8014-359	MANEA	0.040565	0.84038025
2571-12	IGFBP3	0.040356	0.84078624
8000-17	KIR2DL5A	0.040227	0.84103719
13650-11	KCNIP1	0.040172	0.84114427
12479-50	PRKAR1B	0.039912	0.84165268
8222-49	CDHR3	0.039833	0.84180832
2992-59	IL17RA	0.039738	0.841993
12668-7	VPS4B	0.039236	0.84298105

7756-37	KLRF1	0.039164	0.84312349
11422-2	DLX3	0.039123	0.84320575
6420-4	SDHAF2	0.039086	0.84327808
7056-16	SLC3A2	0.038934	0.84357944
8894-80	HNRNPAB	0.038775	0.84389476
10741-22	CSF1	0.038546	0.84435134
13597-20	RAB31	0.038454	0.84453393
13954-9	GNPNAT1	0.038431	0.8445801
7775-15	KLK11	0.038384	0.84467464
11542-11	TMEM230	0.038357	0.84472865
3601-54	CHL1	0.03818	0.84508203
9864-38	TTC1	0.038132	0.84517827
11135-5	MRPL55	0.037901	0.84564156
9574-11	BIN1	0.037543	0.84636333
5236-2	NR1D1	0.037346	0.84676134
5111-15	NRXN3	0.037331	0.84679246
7909-37	SHBG	0.03726	0.84693618
6993-8	NT5E	0.037222	0.84701403
9856-22	DHPS	0.037118	0.84722545
6151-18	MAP2K3	0.036983	0.84750035
8932-1	ENTPD6	0.036971	0.84752351
5468-67	IL17RC	0.036885	0.84770015
8343-224	PAPOLG	0.036861	0.84774826
2333-72	TGFB1	0.036654	0.84817027
11180-17	SMARCC1	0.036631	0.84821849
9352-86	REG3G	0.03662	0.84824056
12475-48	CLIC5	0.036582	0.84831817
3773-15	TEK	0.036468	0.84855211
2770-51	CCL1	0.036373	0.84874701
7153-66	NGRN	0.036258	0.84898388
7110-2	DNAJB11	0.036176	0.84915253
9283-8	CD44	0.036145	0.84921595
14107-1	MTHFS	0.03594	0.84963865
7257-18	PTH2	0.035893	0.84973632
8528-74	ISLR2	0.035822	0.84988452
5870-23	BAD	0.035763	0.85000646

11193-27	HNF1A	0.03575	0.85003256
3709-4	GPT	0.035732	0.85007103
13652-2	TOM1L1	0.035661	0.85021665
5947-90	THPO	0.035543	0.85046322
7736-28	OPALIN	0.035454	0.8506475
2781-63	CCL4L1	0.035181	0.85121687
13697-51	GPD1	0.035154	0.85127257
2558-51	POMC	0.035102	0.85138246
12356-65	SRI	0.034875	0.85185693
13939-14	UGP2	0.034721	0.85218152
12529-32	FKBP6	0.034573	0.8524926
4544-4	PPBP	0.034405	0.85284823
2447-7	PLA2G2E	0.033921	0.85387558
7018-10	TSR3	0.033705	0.85433627
8858-21	BATF3	0.03364	0.85447556
14615-46	KRTAP2-4	0.033553	0.85466068
14597-5	SEMA6C	0.03349	0.85479644
9957-9	RNF114	0.0333	0.85520329
3593-72	CASP3	0.033171	0.85548037
6919-3	HBZ	0.033171	0.85548092
7947-19	TEPSIN	0.032953	0.85595182
5359-65	PIM1	0.032884	0.85610034
8320-5	SLTM	0.032723	0.85645047
2906-55	IL4	0.032558	0.85680792
9524-46	SPATA31D4	0.032352	0.85725744
9177-6	FAM3B	0.032057	0.85790199
10073-22	TDP1	0.031887	0.85827592
13991-47	EIF4G3	0.031757	0.85856305
8923-94	GALNT16	0.031734	0.85861273
2516-57	CCL21	0.031491	0.85914838
12925-105	AXIN2	0.03138	0.85939502
12691-44	SHMT2	0.031348	0.85946651
9077-10	MAN1A2	0.031283	0.85961091
11239-49	TMPRSS6	0.031195	0.85980581
9277-16	REG3A	0.03103	0.86017288
9830-109	VAV3	0.030872	0.86052699

5070-76	TNFRSF6B	0.030712	0.86088527
3322-52	LRIG3	0.03043	0.86151843
4911-49	GSTP1	0.030399	0.86158726
7085-81	CDSN	0.030335	0.86173184
9028-5	MTPAP	0.030056	0.86236388
11204-80	CXADR	0.030022	0.86244036
12428-2	LYPLAL1	0.029909	0.86269677
11243-90	ADGRF1	0.029811	0.86292068
9082-25	SEL1L2	0.029713	0.86314376
7246-4	FREM2	0.029631	0.86332935
8107-12	TMEM234	0.029518	0.86358866
9253-52	ABO	0.029472	0.86369318
13727-44	SPOP	0.029251	0.86420074
9509-4	TMEM38B	0.029209	0.86429668
10044-12	WNT10A	0.029127	0.8644861
12785-49	ZBTB33	0.029106	0.86453551
3837-6	ZAP70	0.028746	0.86536637
5762-35	SPAG11B	0.028638	0.86561873
8870-38	NPM1	0.028547	0.86582933
13665-35	PPP2R3A	0.028482	0.86598108
6380-23	MRPL58	0.028476	0.86599486
8330-1	LRP11	0.028419	0.86612765
12800-5	TPPP2	0.028263	0.86649301
14208-3	RBP7	0.028228	0.8665748
9231-23	BPNT2	0.028082	0.86691621
12546-1	SMTN	0.027954	0.86721762
2911-27	MDK	0.027853	0.86745468
6039-24	CRHBP	0.027849	0.86746368
10589-7	RAET1L	0.027829	0.86751131
11104-13	CHI3L1	0.027774	0.8676406
6290-3	UTS2B	0.027615	0.86801679
11277-23	ATF6	0.027612	0.86802404
9276-7	CPA2	0.027603	0.86804557
6511-17	TAFA4	0.027415	0.86849231
11094-104	CLC	0.027392	0.86854723
8635-283	ZPBP	0.027278	0.86881804

3446-7	IL18R1	0.027087	0.86927396
3367-8	FETUB	0.027018	0.86943954
14104-1	TRIL	0.026993	0.86949897
11432-11	PQBP1	0.026823	0.86990595
3007-7	SIGLEC9	0.026806	0.86994821
3622-33	LGMN	0.026561	0.87053687
14024-196	EDA	0.026561	0.8705381
10012-5	SPDEF	0.03	0.87066503
13587-10	RACGAP1	0.026397	0.87093403
8018-43	VSIG2	0.026322	0.87111171
14069-61	CA4	0.026193	0.87143107
13741-36	IGFBP1	0.026136	0.87156782
9937-7	GJA1	0.025997	0.87190762
5364-7	SET	0.025913	0.8721141
12392-30	ARL1.00	0.025838	0.87229775
13501-10	SLC35G2	0.025673	0.87270201
5410-53	CDH15	0.025668	0.87271272
8008-28	HRK	0.025666	0.87271837
8391-12	DEFB115	0.025495	0.87314001
13491-40	PDE6D	0.025314	0.8735873
12591-27	OPHN1	0.025287	0.87365422
12881-17	RDH16	0.025127	0.87405193
11214-40	DNAJB9	0.025093	0.87413499
10025-1	DLD	0.02	0.87441624
3613-62	FCN1	0.024978	0.87442091
6594-64	SAYSD1	0.024953	0.87448313
3206-4	LYVE1	0.024841	0.87476282
3447-64	CXCL8	0.024838	0.87477042
6240-70	RSPO1	0.024782	0.87491085
9761-89	LDHA	0.024681	0.87516432
8983-7	GOLM1	0.024572	0.87543802
9314-9	PSG5	0.024472	0.87569072
2871-73	RAD51	0.024044	0.87677391
6961-14	IGFL3	0.023986	0.87692063
6413-79	LIPK	0.02391	0.87711486
7763-25	CDH11	0.023663	0.87774486

11067-13	BGLAP	0.02359	0.87793172
12968-2	CSRP2	0.023341	0.87857275
9456-34	IL22RA2	0.023274	0.87874749
7737-76	ITGB6	0.023086	0.87923399
4973-18	BIRC3	0.022946	0.87959874
3358-51	CDK5 CDK5R1	0.022677	0.88029987
10636-1	CD200R1	0.022658	0.8803503
13604-27	NEURL1	0.022583	0.88054699
8976-13	B4GALNT1	0.021968	0.88217211
6326-20	BMP4	0.021967	0.88217568
4459-68	PCSK7	0.021627	0.88308237
12333-87	RPIA	0.02136	0.88380324
4535-50	BST1	0.021357	0.88381174
7865-126	PLAAT3	0.021341	0.88385254
4487-1	FGF7	0.021292	0.88398762
10024-44	HOGA1	0.02	0.88462224
12395-86	DARS2	0.020896	0.88506372
9843-5	ACTN1	0.020868	0.88513811
13475-10	UBE2D4	0.0207	0.88559944
9391-60	PCSK1N	0.020563	0.8859757
12698-72	KPNA4	0.020562	0.88597929
3666-17	CFHR5	0.020553	0.88600206
10762-2	KLRG2	0.020411	0.88639387
4673-13	IL6	0.020217	0.88693185
3421-54	TNFSF8	0.020213	0.88694396
5001-6	SCGB2A1	0.02018	0.88703516
5713-9	IFNL3	0.020068	0.88734822
6372-7	YBX2	0.020054	0.88738731
13082-9	UNC45A	0.020003	0.8875274
6706-18	ALPG	0.019971	0.88761777
6425-87	MMP19	0.019955	0.88766416
3194-36	GP6	0.019887	0.8878533
3710-49	PLG	0.01987	0.88790037
6927-7	NDST1	0.019625	0.88858907
9952-57	TFAM	0.01955	0.88880225
12934-1	HERC5	0.019265	0.88960807

6975-52	SNAPIN	0.019249	0.88965475
12867-40	DYNLT3	0.019243	0.88967149
12652-37	AHCYL1	0.01888	0.89071115
6468-37	TAC4	0.018811	0.89090839
9565-6	PAWR	0.018809	0.89091567
14037-18	RANBP3	0.01875	0.89108604
5060-62	CD274	0.018743	0.89110602
9936-27	LNK1	0.018649	0.89137759
14067-6	PKP2	0.018637	0.8914125
14100-63	C1QC	0.018408	0.89207687
4771-10	SMPDL3A	0.01829	0.89242207
10966-1	AHSG	0.018223	0.89261677
4956-2	EREG	0.018139	0.89286522
5650-9	PDIA6	0.018097	0.89298791
12366-16	CRYGD	0.018092	0.89300222
9018-38	PCDH10	0.01801	0.89324307
10851-77	EBI3	0.017839	0.89374866
9779-63	HERPUD2	0.017767	0.89396029
8843-34	MYRF	0.017688	0.89419634
2737-22	CCN3	0.017592	0.8944825
13557-3	NECTIN3	0.017384	0.89510435
2330-2	CXCL12	0.017274	0.89543419
12798-46	SLC4A8	0.017205	0.89564126
6210-100	IFNA5	0.017197	0.89566783
13125-45	VTN	0.017105	0.89594424
8760-10	DCUN1D5	0.017023	0.89619281
5404-53	TNFRSF21	0.016994	0.89628074
12854-3	TEAD3	0.016933	0.89646462
6354-13	HEPHL1	0.016713	0.89713744
10835-25	A4GNT	0.016686	0.89721885
7765-15	ITM2A	0.016316	0.89835843
4192-10	AKR1A1	0.016295	0.89842428
5584-21	TCN2	0.01624	0.8985966
6238-55	PSG8	0.016205	0.89870355
7910-41	LRFN1	0.015999	0.89934586
9855-10	RHOA	0.015937	0.89954168

11402-17	KMT2C	0.015846	0.89982568
3727-35	PYY	0.015817	0.89991718
12871-10	TWF1	0.015783	0.90002559
7797-11	CCDC167	0.015641	0.90047147
11454-87	EIF3G	0.015596	0.90061638
6387-61	DEFA5	0.015569	0.90069953
3591-51	CDH6	0.015568	0.90070415
8033-1	DNAJC18	0.015536	0.90080486
5483-1	RGMA	0.015512	0.90088323
8935-22	ABCC6	0.015424	0.90116075
11716-28	LRIT2	0.015361	0.90136352
5228-25	KIF23	0.015318	0.90150089
13230-174	IGHG2	0.01531	0.90152497
12753-6	APBB2	0.015099	0.90220509
7776-20	UNC5B	0.015032	0.90241936
12636-113	SMYD2	0.014914	0.90280239
12391-27	PDZD7	0.014912	0.90280936
4697-59	CSF2	0.014835	0.90305894
10428-1	KIR2DS2	0.014725	0.90341751
5028-59	CD163	0.014587	0.90386761
9051-13	IL32	0.014496	0.90416829
14237-1	HSPA1A	0.014492	0.90418121
7751-121	SFRP2	0.014462	0.90427952
13739-3	FLRT1	0.014392	0.90451034
3285-23	C1R	0.014345	0.90466419
4479-14	SERPING1	0.014279	0.90488375
11587-5	MGA	0.014266	0.90492648
8061-102	FAM171B	0.014266	0.9049272
13670-81	PLA2G2E	0.014252	0.90497309
4549-78	FUT5	0.01424	0.90501399
9745-20	EIF4E2	0.014063	0.90560215
9964-10	MYZAP	0.014043	0.90566908
12452-32	KMT5C	0.014021	0.90574387
7970-315	ART3	0.013971	0.90590995
6925-26	SNX8	0.013903	0.90613871
4989-7	FGG	0.013897	0.9061568

9212-22	CTSF	0.013878	0.90622371
12504-26	LMOD1	0.013794	0.90650681
7193-98	PCDHAC1	0.013716	0.90676713
10576-7	PLXDC2	0.013597	0.90717247
11421-10	EHD4	0.01351	0.90746873
10372-18	STAT6	0.013488	0.90754403
13570-43	HDLBP	0.013448	0.90768154
9328-55	MICB	0.013355	0.9079973
13623-4	KMT2D	0.013351	0.90801032
7918-114	AMY1A	0.013323	0.90810787
3630-27	CADM3	0.013262	0.90831839
2977-7	EDAR	0.013161	0.90866692
9401-57	TRABD2A	0.013134	0.90876057
5183-53	PRKAA1 PRKAB1 PRKAC	0.013133	0.90876374
13514-121	RAB35	0.013082	0.90893787
11207-3	MSR1	0.013071	0.90897841
13568-30	PSMD4	0.013042	0.9090766
12657-2	TSTA3	0.012937	0.90944461
9269-7	BTD	0.012886	0.9096208
2823-7	COMMD7	0.012857	0.90972405
13532-25	CNEP1R1	0.012743	0.91012011
12845-18	SNX17	0.01269	0.91030682
6455-52	HAPLN4	0.012438	0.91119963
3866-7	SBDS	0.012395	0.91135335
8024-64	TPST2	0.012371	0.91143878
5467-15	HSP90AB1	0.012318	0.91162581
7123-25	MRPL52	0.012292	0.91172067
2612-5	EIF5	0.012268	0.91180591
9931-20	KRT1	0.012248	0.91187774
4230-1	EIF4G2	0.012234	0.91192713
10396-6	MCL1	0.012103	0.91239804
7754-11	JAG1	0.012006	0.91274833
10558-26	PCDH9	0.011899	0.91313878
3890-8	LDHB	0.011855	0.91329623
13972-4	HSD17B14	0.011799	0.91350269
8811-24	BAMBI	0.011784	0.91355786

6369-82	DEAF1	0.011644	0.91406756
5242-37	MAP2K4	0.011573	0.91433007
9257-14	TACO1	0.011549	0.9144199
13378-80	C5orf63	0.011478	0.9146828
2731-29	POR	0.011424	0.91488085
6107-3	CELA1	0.011412	0.91492748
11363-58	AQP4	0.011404	0.91495425
6593-5	GALNT3	0.011337	0.91520546
9880-33	TDO2	0.011306	0.91532053
12564-9	NIP7	0.011275	0.91543546
10643-16	OLFM3	0.011191	0.91575022
6364-7	TAPBPL	0.01116	0.91586799
9890-8	TPM3	0.011121	0.91601392
5312-49	APOE	0.011075	0.91618745
13996-16	PPCDC	0.011063	0.91623315
9490-3	FAM241A	0.011052	0.91627257
2811-27	ANGPT1	0.010987	0.91652051
9333-59	ERP27	0.010959	0.91662416
3061-61	CTSB	0.010828	0.91712331
13659-36	ATP13A1	0.010826	0.91713289
14636-25	RIDA	0.010793	0.91725667
12409-90	RAB7B	0.010638	0.91785111
2900-53	CCL14	0.010566	0.91812748
9416-77	CPM	0.010429	0.91866074
12730-3	NDC80	0.010345	0.91898465
12822-34	APBB1	0.010194	0.91957602
12478-15	RPL30	0.010015	0.92028295
12619-14	PPM1A	0.009925	0.92064261
5746-37	EFNB1	0.009892	0.92077586
10088-37	APRT	0.009758	0.92130953
8303-102	MYG1	0.009713	0.92149099
14029-42	COPS2	0.009698	0.9215521
8975-26	CNOT9	0.009695	0.92156555
7011-8	KCNIP4	0.009614	0.92189359
13459-30	TOR4A	0.009537	0.92220422
6929-10	ST8SIA3	0.009506	0.92232942

12442-4	RHOD	0.009497	0.92236888
11146-4	TBX22	0.009496	0.92237027
6571-75	C17orf78	0.009473	0.92246651
6231-46	STC2	0.009386	0.92282074
12988-49	EWSR1	0.009289	0.9232208
5015-15	PLA2G7	0.009228	0.92347064
10848-137	BTNL3	0.009179	0.92367312
9568-289	FCAMR	0.009136	0.92385398
9060-27	IGSF9B	0.009047	0.92422325
8908-14	KCNE5	0.00899	0.92446189
7717-95	CFTR	0.008958	0.92459558
2843-13	SPINT2	0.008878	0.9249324
5063-12	CD244	0.008772	0.92537847
12415-122	EDF1	0.00862	0.92602583
8400-74	GRP	0.008582	0.92618874
11192-168	TINAGL1	0.008582	0.92619225
3708-62	A2M	0.008551	0.92632527
5981-6	None	0.008468	0.92668218
11830-48	PTPN11	0.00845	0.92675946
9859-180	SAT1	0.008432	0.92683831
5339-49	S100A9	0.008423	0.92687678
2617-56	ERBB3	0.008295	0.92743192
4272-46	GPI	0.008278	0.9275061
7866-11	DNAJC30	0.008271	0.92753742
2864-2	MAP2K1	0.008233	0.92770265
3881-49	DYNLL1	0.00821	0.92780499
3073-51	IL18BP	0.00807	0.92842009
12761-12	APBB2	0.007988	0.92878255
14099-20	PSMA4	0.00798	0.92881817
3739-72	ITGA2B ITGB3	0.007921	0.92908251
4556-10	IL34	0.00789	0.92922246
8263-64	TYMSOS	0.007887	0.92923491
9068-17	JAKMIP3	0.007872	0.92930103
11121-56	VWC2	0.007858	0.92936333
8086-49	ITM2B	0.00783	0.92948719
13734-22	IFNL1	0.007805	0.92960336

12618-50	AKR1C1	0.007804	0.92960439
5649-83	PSG4	0.007795	0.92964674
14216-35	DDX46	0.00779	0.92966944
11458-30	PCBP1	0.007779	0.92971751
6969-14	WFDC5	0.007753	0.92983428
7202-107	SEMA6C	0.007716	0.9300036
3736-60	BMP6	0.007569	0.93067056
5424-55	TNFRSF11A	0.007565	0.93068883
11548-84	CDC25A	0.007458	0.93118069
12574-36	EDN2	0.007369	0.93159132
8004-15	GAPDHS	0.007311	0.93185902
8249-124	ALK	0.007295	0.93193257
7930-3	EXOSC1	0.007203	0.93236233
3848-14	GAPDH	0.0072	0.93237947
12655-30	NAPB	0.007166	0.93253592
8389-8	LRRRC74A	0.007117	0.93276651
13111-79	BCL6	0.007079	0.93294928
9547-29	EMID1	0.007056	0.93305836
8069-85	CD3E	0.007043	0.93311732
5689-1	DEFB112	0.007015	0.93324987
8784-7	ABRAXAS1	0.006997	0.93333523
9580-5	LAMC2	0.006979	0.933423
14603-51	KIAA0040	0.006906	0.93377087
7059-14	LILRA6	0.006879	0.93389916
10521-10	MXRA8	0.006816	0.93420266
7956-11	MICOS10	0.006702	0.93475517
10703-203	SUDS3	0.006701	0.93475688
10584-7	NDUFS4	0.006652	0.93499614
7239-9	GSTM1	0.00652	0.93564218
8653-132	DNAJC4	0.00635	0.9364878
6998-106	ASPH	0.006329	0.93659012
13059-33	RFK	0.006302	0.93672843
11237-49	PCOLCE	0.006143	0.93752903
11382-5	BLVRA	0.006142	0.93753227
14324-52	SMC3	0.006028	0.93811505
14703-6	PROK1	0.00602	0.93815645

7735-17	SERPINF1	0.005981	0.93835341
10553-8	TOR1AIP2	0.005969	0.93841771
6421-52	IFNA16	0.005949	0.93851812
10955-4	CLEC10A	0.005835	0.93910895
7792-58	CCDC90B	0.005826	0.93915748
6086-15	CHRD12	0.005795	0.93932107
13624-17	NADK	0.005788	0.93935692
5630-48	CD300A	0.005787	0.93936254
6416-8	GKN2	0.00574	0.93960832
13515-8	RPRD1A	0.005694	0.93984871
13687-5	CCL1	0.005654	0.94006118
13116-25	CD177	0.005513	0.94080925
11270-17	CHCHD10	0.005443	0.94119077
3028-36	CCL23	0.005374	0.94155953
6402-8	PILRA	0.005301	0.94196129
13676-46	INHBB	0.005161	0.94272917
3389-7	SERPINA5	0.005048	0.94335929
13540-1	GPR26	0.00491	0.94413965
8700-325	GALNT11	0.004855	0.94445056
13577-25	U2AF2	0.004853	0.94446246
10473-2	TFF2	0.004844	0.94451061
14105-5	SERPINA4	0.00483	0.94459263
10562-42	NETO2	0.00473	0.94516816
9235-3	PLXDC1	0.004695	0.94537036
7743-5	TIMM50	0.004671	0.94551208
14229-5	MOCS3	0.004634	0.94572755
9218-7	FAS	0.004573	0.94608373
10076-1	AP4M1	0.004513	0.94644005
11487-4	SPOCK1	0.004513	0.94644126
8841-65	CILP2	0.004443	0.94685786
8397-147	QSOX2	0.004148	0.94864489
7932-23	SYT8	0.004128	0.94877286
11556-19	ARFGAP1	0.004122	0.94880909
7779-86	CHST11	0.004102	0.94893471
2762-30	FGF19	0.004023	0.94942508
11265-8	ALDH1A1	0.003996	0.94959311

6533-20	DNASE2B	0.003974	0.94973382
6237-11	FGFRL1	0.003927	0.95003325
14150-7	IL36A	0.003923	0.95005839
11118-107	RAB17	0.003923	0.95005946
8624-16	UNC5D	0.003886	0.95029225
3474-19	THBS1	0.003846	0.95054679
9326-33	ITIH2	0.00375	0.95117016
13054-87	PFN2	0.003721	0.95135852
12507-16	ITPKC	0.003704	0.95147287
13590-1	REXO2	0.003622	0.95200731
8257-71	OXT	0.003607	0.95210761
10939-16	PLEKHA4	0.003574	0.95232806
5092-51	JAG1	0.003534	0.95259754
5581-28	FGL1	0.003488	0.9529026
7038-45	ST8SIA4	0.00342	0.95336614
8942-2	MRPL21	0.003417	0.95338299
4246-40	L1CAM	0.003328	0.95399667
4152-58	KLKB1	0.003286	0.95428594
3521-16	CGA TSHB	0.003268	0.95441547
12378-71	TAPBP	0.003166	0.95513079
5792-8	AFP	0.003148	0.9552536
2640-3	MST1R	0.003058	0.95589893
11353-143	SMAD2	0.003048	0.95597107
14041-13	GZMB	0.003034	0.95607035
5728-60	FCRL1	0.003031	0.95609236
2953-31	CGA LHB	0.002914	0.95694658
6450-8	FABP6	0.002848	0.95744267
10616-67	PODXL2	0.002833	0.95755045
6962-5	HLA-DRB3	0.002831	0.95757005
11678-105	GJD2	0.002804	0.95777067
4891-50	GCG	0.00279	0.95787287
10924-258	CYB5D2	0.002775	0.95798782
14091-42	CBR3	0.002709	0.95848737
4878-3	F10	0.002675	0.95874881
6510-56	RNF128	0.002638	0.95904133
2783-18	CCL3L1	0.002601	0.95932335

4437-56	ENTPD5	0.002582	0.95947379
12709-63	H1-10	0.002581	0.95948451
10754-113	PROK2	0.002568	0.95958594
11441-11	PYGL	0.002522	0.95995017
13978-122	TBX3	0.00249	0.96019913
6937-251	C1orf43	0.002447	0.96054446
12473-48	KCTD5	0.002432	0.9606705
11682-7	TXNIP	0.002398	0.96094434
3148-49	CXCL2	0.002392	0.96099182
8272-22	HSD17B7	0.002359	0.96126292
2790-54	PPBP	0.002346	0.96136951
9076-25	PENK	0.002337	0.96144314
12763-69	ZNF334	0.002331	0.96149082
14007-22	PAPSS1	0.002317	0.96161248
11361-73	TYMP	0.002304	0.96171828
7108-7	SMIM24	0.00226	0.96208503
13640-5	BCL6	0.002245	0.96221297
14331-262	DYNLT1	0.002221	0.96240746
11198-37	CREB3L1	0.002185	0.96271954
4301-58	TK1	0.002147	0.96304552
13451-2	FNDC4	0.002128	0.9632053
8828-21	ESRP1	0.002121	0.96326948
8697-38	GPC1	0.002115	0.96332144
14101-2	CNTFR	0.002106	0.96339627
6538-90	KIAA2013	0.002105	0.96340683
12708-91	L3MBTL2	0.002083	0.96359536
11368-32	AK2	0.002076	0.96365553
11294-7	TMCC3	0.002055	0.96384088
12848-9	ARHGEF2	0.002054	0.96384741
12817-1	GEM	0.002032	0.96404526
10439-57	AMY2B	0.002029	0.9640699
8013-9	LMAN2L	0.002011	0.9642319
4481-34	C4A C4B	0.002009	0.96424864
6281-51	ST3GAL2	0.002007	0.96426895
5852-6	S100A12	0.002007	0.96427078
2822-56	ADGRE5	0.001986	0.9644521

6020-52	UTS2	0.001966	0.96463466
13621-31	AP2A2	0.001925	0.9650051
12661-44	GABARAPL1	0.001914	0.96510808
8019-73	STMN3	0.00191	0.96513751
9756-6	TAGLN	0.001849	0.96570327
6457-50	PCDHGA1	0.001848	0.96571151
11242-33	TGM1	0.001845	0.96574129
5091-28	LILRB2	0.001825	0.96592275
13966-30	MYOM3	0.001816	0.96600702
10086-39	CBS	0.001775	0.96639154
6296-36	OIT3	0.001758	0.9665514
3236-12	GSK3B	0.001746	0.96667211
9459-7	FAS	0.00171	0.96701911
9997-12	UBXN4	0.001707	0.96704404
5813-58	EPO	0.001692	0.96718473
11338-49	BLK	0.001657	0.96752777
4960-72	ANXA1	0.001641	0.96769101
3636-37	OLR1	0.001639	0.96770878
3445-53	IL15RA	0.001628	0.96782015
7696-3	NBR1	0.001586	0.96823383
12821-6	NLRP10	0.00158	0.9682976
13088-397	BTC	0.001576	0.96833629
7841-84	ESAM	0.001575	0.96834358
8795-48	TFRC	0.001564	0.9684504
3633-70	NID2	0.001555	0.96854477
12626-6	SENP7	0.00155	0.96859624
12603-87	PABPC4	0.001486	0.96925324
13102-1	FAM3D	0.00148	0.96931697
8671-378	TRAPPC5	0.001385	0.97031455
8889-5	CCPG1	0.001358	0.97060064
11709-29	CPT1B	0.001259	0.9716912
14032-2	VEGFA	0.001211	0.97223471
8326-63	SIGIRR	0.001191	0.97246436
5107-7	NOTCH1	0.001168	0.97273259
6024-68	CPE	0.001133	0.97315017
2618-10	ERBB4	0.001131	0.9731739

13651-54	ZFP91	0.001123	0.97327237
3487-32	CXCL13	0.001105	0.97348407
2967-8	VCAM1	0.001087	0.9736962
12784-10	APBB3	0.001082	0.97376392
4292-5	NAPA	0.001076	0.97383271
9916-146	LRRC4B	0.001073	0.97386361
7247-1	GORAB	0.00106	0.9740331
13988-67	NMRAL1	0.001059	0.97404399
8474-6	ROR1	0.001037	0.97430881
14106-46	RAP1GDS1	0.001026	0.97445182
8285-64	ADCYAP1	0.000986	0.97494472
12704-26	SH2D3C	0.000983	0.97499283
14593-152	FAM210A	0.000964	0.97523443
7197-2	DNAJC15	0.000961	0.97527455
13109-82	NEGR1	0.000946	0.9754647
13728-19	ERP29	0.000929	0.97567923
11636-33	TAGLN2	0.000899	0.97608484
9360-33	EDIL3	0.000865	0.97653883
11177-16	KRT5	0.000843	0.97683686
9906-21	SPOCK3	0.000809	0.97730831
9989-12	LRRC24	0.000806	0.9773511
9172-69	MMP8	0.000802	0.97740626
13706-12	IL12RB1	0.000793	0.9775359
13986-6	LANCL1	0.000789	0.97759174
12812-25	ACYP2	0.000757	0.97805109
14711-27	CST6	0.000757	0.97805589
14685-17	AKT2	0.000745	0.97822509
14587-16	GDF11	0.000744	0.97824342
4258-15	PA2G4	0.000735	0.97837844
13552-7	SWAP70	0.000709	0.97874994
2687-2	MIA	0.000704	0.97883013
14616-16	ZNF382	0.000702	0.97886363
3079-62	RARRES2	0.000667	0.97939674
12986-12	LIN7C	0.000657	0.97954601
14144-3	H2AW	0.000653	0.97961474
8759-29	A4GALT	0.000648	0.97968819

3795-6	ADAM9	0.000638	0.97985549
14688-6	PTPN7	0.000617	0.98018973
5013-2	CLIC1	0.000567	0.98100747
10565-19	SLITRK3	0.00053	0.98163672
13672-3	HSPA6	0.000528	0.98167451
10056-5	FOXM1	0.000524	0.98173617
6035-2	ST6GAL1	0.000509	0.98199757
14757-144	FGF8	0.000497	0.98222208
6497-10	RS1	0.000485	0.98242704
11836-144	DDR1	0.000456	0.98295964
5752-63	SUSD3	0.000456	0.98297178
12448-246	NMT1	0.000442	0.98322285
6647-55	UBC	0.000441	0.98324518
8601-167	LRP1	0.000435	0.98335105
5885-55	EIF4H	0.000435	0.98335856
5756-66	PAPPA2	0.00043	0.98344829
11152-46	KLK13	0.000425	0.98355214
8002-27	TMPRSS5	0.000376	0.98452451
5316-54	F2	0.000361	0.98484379
10534-40	PARP1	0.000359	0.98487872
12939-1	POLR1C	0.000356	0.98494329
8359-149	STK17B	0.000317	0.98580462
12386-11	RNPEP	0.000283	0.9865716
8091-16	MASP1	0.000281	0.98661791
3182-38	ENTPD1	0.000266	0.98699903
14326-4	UBE2E1	0.000255	0.987266
4851-25	IL1A	0.000231	0.98788487
9595-11	B4GALT2	0.000229	0.98792867
13453-2	MRPL33	0.000216	0.98827836
6584-1	HRC	0.000181	0.98926231
5879-51	DCTN2	0.000175	0.98944491
13041-47	TRAF4	0.000173	0.98949617
13493-5	GRID1	0.000161	0.98986865
13661-193	CST5	0.00016	0.98991093
9896-21	FOXG1	0.000154	0.99010616
7106-37	OOSP2	0.000153	0.99013155

9536-16	EDDM3A	0.000147	0.99033127
4883-56	INS	0.000146	0.9903717
12853-112	TMOD2	0.000145	0.99040235
13405-61	SPINK2	0.00014	0.99057154
8262-20	APOD	0.000138	0.99061541
9874-28	CDKN2B	0.000135	0.99073535
3806-55	EPHA5	0.000134	0.99077804
14116-129	S100A4	0.000132	0.99083791
8842-16	GRAMD1C	0.000131	0.99086996
11539-4	ATP5MF	0.000129	0.99093856
5927-4	CCN6	9.80E-05	0.99210293
13032-1	BECN1	9.50E-05	0.99222951
2827-23	CX3CL1	9.40E-05	0.99227436
5265-12	GRAP2	8.40E-05	0.99268942
14131-37	EFNB2	8.30E-05	0.99272342
8265-225	TMPO	8.30E-05	0.99272894
12751-26	ZHX1	7.60E-05	0.99306121
10530-8	PSMB6	7.20E-05	0.99322915
8839-4	MTX2	7.10E-05	0.99327457
7265-32	OSTN	6.90E-05	0.99339035
5078-82	EPHB6	6.50E-05	0.99357366
5980-55	BOLA3	6.40E-05	0.99361693
12879-5	RBL1	5.00E-05	0.99437444
12373-73	TRA2B	4.70E-05	0.99451688
12334-25	SHMT1	4.50E-05	0.99463023
13678-169	CFD	4.20E-05	0.99485609
14090-23	DEF6	4.00E-05	0.99492467
13482-14	CNOT1	4.00E-05	0.99497311
8810-26	HEPACAM	3.90E-05	0.99499956
4237-70	LCMT1	3.80E-05	0.99510357
13545-97	EIF1AD	3.60E-05	0.99521484
13512-28	HNRNPR	2.30E-05	0.99613385
9220-7	EPHB3	2.30E-05	0.9961918
8931-124	G0S2	2.20E-05	0.99627048
7824-88	MSRB3	2.00E-05	0.9964101
9254-18	FCER1A	1.90E-05	0.99651292

4476-22	ZAP70	1.60E-05	0.99680551
7183-102	ANGPTL8	1.30E-05	0.99711937
8699-43	CRIM1	9.00E-06	0.99761537
11448-34	GALK1	7.00E-06	0.99787335
4900-8	C3	6.00E-06	0.9979832
7852-9	MTIF3	6.00E-06	0.9980108
8476-11	CHGA	6.00E-06	0.99811745
6441-62	ADAMTS6	3.00E-06	0.99860975
9854-36	AKR1B1	3.00E-06	0.99871238
12713-365	RGS19	2.00E-06	0.99900556
11425-31	RUFY1	2.00E-06	0.99901361
7916-10	S100A7	0	0.99974128
9343-16	IL2RB	0	0.9999586
5272-55	SHC1	0	0.99997371