Supplementary Data

Supplementary Methods

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Participants in epidemiological observational analyses

NHANES III was conducted by the National Center for Health Statistics (NCHS) from 1988 to 1994 using a stratified multistage probability sample which represented the civilian non-institutionalized U.S. population. The survey consisted of a household interview and a standardized physical examination in a mobile examination center. Participants gave written consent before participation, and ethical approval was obtained from the Human Subjects Committee of the U.S. Department of Health and Human Services. Details of the serum lipids measurements in NHANES are provided on the NHANES website (http://www.cdc.gov/nchs/nhanes.htm). We included participants who aged ≥40, fasted for at least 8 hours and had both BMD and blood lipids measurement data available (N=3,644). The cut-off age of 40 was chosen because bone loss starts between the ages of 35 and 40 in both sexes. After excluding participants with missing data (missing confounders: height (N=4) and weight (N=5)), 3,638 were included in the final analysis.

Details of the HKOS has been described elsewhere(1). The HKOS was initiated in 1995 and the cohort participants were community-dwelling Southern Chinese men and women of Han descent recruited from public road shows and health fairs held in various districts of Hong Kong from 1995 to 2010, with a total of 9,449 participants recruited. From mid-2015, we commenced a comprehensive in-person follow-up study, which further included parameters related to metabolic syndrome, sarcopenia, and gait and balance. Serum lipids measurements in the HKOS were made using Ortho-Vitros Fusion 5.1 (Johnson & Johnson). Among 1,128 participants who aged 40 or above with available serum lipids and BMD data, none of them had missing data. Therefore, 1,128 participants were included in the final analysis.

Data sources and selection of genetic instruments for MR analyses

MR analysis on lipids, TB-BMD and eBMD

185 independent genome-wide SNPs associated with at least one of the three blood lipid traits (LDL-C, HDL-C and triglycerides) were selected (as described by Do *et al*(2)) from the latest joint GWAS and Metabochip meta-analysis of 60 studies conducted by the Global Lipids Genetics Consortium (GLSC) in 188,577 individuals of European ancestry(3). In brief, the strongest SNP (lead SNP) from each lipid-associated locus was selected and additional SNPs were selected from a locus with multiple associated SNPs if the SNPs were in very low linkage disequilibrium (LD) with the lead SNP. Among these 185 SNPs, 76, 86 and 51 SNPs were significantly associated with LDL-C, HDL-C and triglycerides, while explaining 6.4%, 5.9% and 4.6% of the variances, respectively. Primary analysis was done for LDL-C, while HDL-C and triglycerides were also investigated due to their high correlation with LDL-C. Summary statistics for the associations of the 185 SNPs with TB-BMD(4) and eBMD(5) were extracted(5) as genetic instruments for MR analyses (Supplementary Tables 1 and 2). As GWAS meta-analysis of TB-BMD was also performed across five age strata, summary statistics of the genetic instruments were also extracted from the age-stratified analysis to evaluate the causal association of LDL-C on TB-BMD in life-course manner. To check if reverse causation of TB-BMD and eBMD on blood lipid levels are present, 81 and 307 conditionally independent SNPs which attained genome-wide significance from the TB-BMD (4) and eBMD GWAS(5) were initially selected as genetic instruments respectively. For TB-BMD, summary statistics for 35 out of 81 TB-BMD-associated SNPs were obtained from GLSC's GWAS meta-analysis. Thirty-three SNPs in high LD with the unmatched SNPs (r^2>0.8) were included in both GLSC's GWAS meta-analysis and TB-BMD dataset. Thus, a total of 68 SNPs, explaining 6.1% variance of TB-BMD, were employed as genetic instruments to evaluate the causal association of TB-BMD on LDL-C (Supplementary Table 3). Of the 307 SNPs significantly associated with eBMD, 104 SNPs matched the SNPs in GLSC's GWAS meta-analysis. 117 SNPs in high LD with the unmatched SNPs (r^2>0.8) were present in both the eBMD and GLSSC datasets, and they were selected as proxy SNPs. A total of 221 SNPs, explaining approximately 7.55% variance of eBMD, were selected as genetic instruments for the reverse MR analysis (Supplementary Table 4).

Lotta *et al*. made use of LDL-C-lowering variants in or near genes encoding molecular targets of current or prospective LDL-C-lowering therapies as genetic proxies to study the efficacy of the drugs on type 2 diabetes(6). MR was performed to evaluate the causal effects of the LDL-C-lowering effects of drugs on TB-BMD(4) and eBMD(5). Summary statistics of the genetic instruments were in Supplementary Table 5.

MR analysis on LDL-C and fracture

76 independent genome-wide SNPs associated with LDL-C levels in blood in GLCS' GWAS meta-analysis(2) were selected as the genetic instruments. Out of the 76 SNPs, summary statistics of 74 SNPs could be matched from a GWAS meta-analysis for fracture with cohorts of predominantly European descent, comprising of 37,857 cases and 227,116 controls(7). Proxies were identified for the two mismatched SNPs, leading to a total of 76 genetic instruments (Supplementary Table 6).

MR analysis on TB-BMD, eBMD and CAD

Blood lipid levels, diabetes and body mass index (BMI) were known risk factors of CAD. Univariable, as well as multivariable MR with adjustment for these risk factors, were performed to evaluate the causal effects of TB-BMD and eBMD on CAD. Summary statistics of risk factors and outcome were obtained from GWAS / GWAS meta-analysis: For blood lipid levels, data was obtained from GLCS' GWAS meta-analysis(2); For diabetes, data was obtained from a GWAS meta-analysis of 26,676 cases and 132,532 controls of European ancestry from the DIAbetes Genetics Replication And Meta-analysis (DIAGRAM) Consortium(8); For BMI, data was obtained from a GWAS meta-analysis of 681,275 participants of European ancestry(9). Summary statistics for CAD were obtained from a meta-analysis of UK Biobank data and two other published GWAS, with a total of 71,602 cases and 260,875 controls(10). We adopted an inclusive CAD phenotype (SOFT) in this study, incorporating self-reported angina or other evidence of chronic coronary heart disease.

For TB-BMD, out of the 81 SNPs independently associated with the phenotype(4), 33 SNPs were matched with the risk factors and CAD dataset(10). Thirty-five proxies in high LD with the unmatched SNPs were identified. A total of 68 SNPs were employed as genetic instruments (Supplementary Table 7). For eBMD, 307 conditionally independent SNPs significantly associated with eBMD(5) were initially selected as genetic instruments to evaluate the causal effects of eBMD on CAD and they were matched with the SNPs in the datasets of the risk factors and CAD. Ninety-nine SNPs were successfully matched across the datasets. Proxy SNPs were identified for 115 unmatched SNPs. A total of 214 SNPs (Supplementary Table 8) were eventually included in the MR analysis.

Reverse causation of CAD on BMD was evaluated. Out of the 304 SNPs independently associated with CAD(10), 274 SNPs could be matched with the TB-BMD dataset(4) and 20 SNPs proxies could be identified for the unmatched SNPs. A total of 294 genetic instruments were selected to evaluate the causal effects of CAD on TB-BMD (Supplementary Table 9). Whereas, 297 SNPs were matched in both the CAD(10) and eBMD dataset(5). As no proxies could be identified for the 7 unmatched SNPs, 297 genetic instruments were included in the MR analysis of CAD on eBMD (Supplementary Table 10).

Mendelian randomization analyses

MR analysis was conducted to infer causality of a risk factor on outcome. The MR analysis of blood LDL-C levels on eBMD was used as an example for illustration below. Summary-level data was utilized to test for causal association between a risk factor (blood LDL-C in this case) and an outcome (eBMD in this case) by using genome-wide significant SNPs as instrumental variables. All the SNPs were oriented such that the effect alleles were negatively associated with the risk factor (e.g. LDL-C). The effect alleles were matched between the summary data of the risk factor and outcome dataset. Primary analysis was done using the conventional inverse variance weighted (IVW) method (11). If known risk factors were closely related to the risk factor in question (e.g. HDL-C and triglycerides were closely related to LDL-C), they were included in the multivariable IVW conducted by adjusting for beta estimates from the related risk factors (e.g. HDL-C and triglycerides) to account for their potential pleiotropy

effects(12). Although IVW is the conventional method, the major drawback is that it assumes all instrumental variables are valid. Therefore, two sensitivity analyses were conducted: namely weighted median(13) and MR-Egger(14). Weighted median method provides consistent estimates even when up to 50% of the information comes from invalid instrumental variables(13). We additionally performed MR-Egger regression to detect bias arising from unbalanced pleiotropy in MR studies. The intercept represents the average pleiotropic effects across all SNPs, under the assumption that the magnitude of the pleiotropic effects are independent of the SNP-risk factor associations across all variants, also known as the INstrument Strength Independent of Direct Effect (INSIDE) assumption(14). Bi-directional causation was tested by repeating the analysis with the original outcome (e.g. eBMD) as the risk factor and the original risk factor (i.e. LDL-C) as the outcome. Causal relationship between genetic proxy of LDL-C-lowering drugs and eBMD was also tested by MR analysis. To mimic the effect of LDL-C-lowering drugs, the LDL-C-lowering allele of the genetic proxies was denoted as the effect allele in MR. As weighted median and MR-Egger analysis require at least three variants, only IVW analysis was performed in the drug target analysis.

Supplementary Table 1. Summary statistics of 185 SNPs included in the Mendelian Randomization analysis to examine the causal effects of blood lipid traits on TB-BMD.

The summary statistics with regard to blood lipid traits (including LDL-C, HDL-C and Triglycerides) were extracted from the meta-analysis of genome-wide association study (GWAS) conducted by the Global Lipids Genetics Consortium(3) while the statistics regarding TB-BMD were extracted from a GWAS meta-analysis(4).

SNP	GWAS of blood lipids										GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides							
			beta	se	p	beta	se	p	beta	se	p	EA	NEA	beta	se	p
rs10019888	G	A	0.018	0.005	3.23E-04	-0.027	0.005	4.90E-08	0.023	0.005	2.28E-06	A	G	-0.0204	0.0077	7.89E-03
rs10029254	T	C	0.006	0.004	2.05E-01	-0.009	0.004	4.87E-02	0.027	0.004	7.55E-09	T	C	0.0028	0.0068	6.75E-01
rs1010167	G	C	0.025	0.004	6.22E-11	-0.004	0.004	3.96E-01	0.002	0.004	8.08E-01	C	G	0.0102	0.0062	1.02E-01
rs10102164	A	G	0.032	0.005	3.74E-11	-0.001	0.004	7.97E-01	0.011	0.004	6.87E-03	A	G	0.0059	0.0072	4.12E-01
rs10282707	C	T	0.008	0.004	4.23E-02	0.025	0.004	1.03E-11	-0.009	0.003	6.52E-03	T	C	0.0052	0.0059	3.78E-01
rs103294	T	C	0.007	0.005	1.23E-01	0.052	0.004	4.00E-30	-0.002	0.004	7.52E-01	T	C	-0.0058	0.0076	4.42E-01
rs1035744	T	C	0.007	0.004	1.58E-01	-0.006	0.004	1.55E-01	0.021	0.004	1.45E-07	T	C	0.0017	0.0065	7.96E-01
rs10401969	T	C	0.118	0.007	2.65E-54	-0.013	0.007	1.02E-01	0.121	0.007	9.70E-70	T	C	-0.0124	0.0106	2.43E-01
rs7422339 (merged to rs1047891)	A	C	0.008	0.004	1.42E-01	-0.027	0.004	8.73E-10	0	0.004	8.60E-01	A	C	-0.0109	0.0063	8.18E-02
rs10493326	A	G	0.021	0.004	1.91E-06	-0.001	0.004	6.73E-01	0.031	0.004	2.00E-15	A	G	0.0031	0.0068	6.51E-01
rs10513688	A	G	0.022	0.006	2.18E-03	-0.005	0.006	6.08E-01	0.031	0.006	1.54E-07	A	G	0.0067	0.0091	4.66E-01
rs10773105	T	C	0.006	0.004	1.22E-01	-0.036	0.004	3.20E-24	0.004	0.003	5.09E-01	T	C	0.0104	0.0058	7.41E-02

SNP	GWAS of blood lipids											GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs10790162	A	G	0.076	0.007	1.09E-23	-0.095	0.007	9.91E-40	0.231	0.007	1.1E-249	A	G	-0.0104	0.0119	3.82E-01
rs10832962	T	C	0.032	0.004	6.62E-14	0.004	0.004	3.33E-01	0.011	0.004	5.18E-03	T	C	-0.0029	0.0065	6.55E-01
rs10861661	C	A	0	0.005	9.29E-01	-0.022	0.004	5.05E-07	0.023	0.004	2.60E-07	A	C	-0.0159	0.0067	1.81E-02
rs10903129	G	A	0.033	0.004	3.03E-17	0.001	0.003	8.59E-01	0.008	0.003	5.88E-03	A	G	0.0035	0.0057	5.45E-01
rs11045163	A	G	0.006	0.004	1.63E-01	-0.022	0.004	3.20E-09	0.01	0.003	2.85E-03	A	G	0.0023	0.0059	7.01E-01
rs11220462	A	G	0.059	0.006	6.61E-21	-0.016	0.006	8.75E-03	0.019	0.005	1.32E-03	A	G	0.003	0.0084	7.21E-01
rs11246602	C	T	0.002	0.006	5.26E-01	0.034	0.005	1.68E-10	-0.009	0.005	1.92E-01	T	C	0.0102	0.0091	2.60E-01
rs11563251	T	C	0.035	0.006	4.50E-08	0.006	0.006	3.65E-01	0.008	0.006	8.26E-02	T	C	0.0007	0.0092	9.36E-01
rs11660468	T	C	0.011	0.004	3.41E-03	0.039	0.003	3.60E-27	-0.001	0.003	8.80E-01	T	C	0.0111	0.0058	5.50E-02
rs1169288	C	A	0.038	0.004	6.45E-21	0.01	0.004	9.13E-03	0.003	0.004	4.20E-01	A	C	0.0104	0.0062	9.42E-02
rs1186380	C	T	0.024	0.004	8.46E-08	0	0.004	8.69E-01	-0.003	0.004	5.21E-01	T	C	-0.0052	0.0066	4.35E-01
rs12133576	A	G	0.01	0.004	3.83E-03	0.024	0.004	6.15E-11	-0.009	0.003	1.19E-02	A	G	0.0059	0.0059	3.19E-01
rs12145743	T	G	0.004	0.004	3.38E-01	-0.02	0.004	1.80E-08	0.012	0.004	5.56E-04	T	G	-0.0051	0.0061	4.06E-01
rs12226802	G	A	0	0.005	6.19E-01	0.033	0.005	1.29E-09	-0.007	0.005	2.30E-01	A	G	0.0044	0.0089	6.18E-01
rs1250229	C	T	0.024	0.004	3.13E-08	-0.003	0.004	4.04E-01	0.009	0.004	1.39E-02	T	C	0.0079	0.0065	2.26E-01
rs12525163	T	C	0.004	0.004	2.56E-01	-0.022	0.004	1.52E-07	0.009	0.004	3.70E-02	T	C	-0.0412	0.0064	9.66E-11
rs1260326	T	C	0.021	0.004	1.51E-07	-0.011	0.004	1.74E-03	0.115	0.003	2.29E-239	T	C	-0.0314	0.0058	7.48E-08
rs12670798	C	T	0.034	0.004	4.81E-14	-0.001	0.004	7.33E-01	0.01	0.004	1.68E-02	T	C	0.0026	0.0066	6.98E-01
rs12678919	A	G	0.008	0.006	5.05E-01	-0.155	0.006	1.38E-149	0.17	0.006	1.82E-199	A	G	0.0116	0.0094	2.19E-01

SNP	GWAS of blood lipids										GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs12801636	A	G	0.008	0.005	1.45E-01	0.024	0.004	3.15E-08	-0.018	0.004	1.35E-05	A	G	-0.0118	0.0068	8.40E-02
rs13107325	C	T	0.016	0.008	5.74E-02	0.071	0.008	1.07E-15	-0.031	0.008	3.98E-05	T	C	0.0135	0.0118	2.55E-01
rs13326165	G	A	0.004	0.005	2.67E-01	-0.029	0.004	9.04E-11	0.021	0.004	2.96E-06	A	G	0.0013	0.0071	8.54E-01
rs1341267	A	C	0.002	0.004	8.87E-01	0.002	0.003	8.59E-01	-0.018	0.003	8.30E-07	A	C	0.0171	0.0058	3.16E-03
rs1367117	A	G	0.119	0.004	9.48E-183	-0.022	0.004	7.59E-09	0.025	0.004	1.06E-11	A	G	-0.0023	0.0062	7.09E-01
rs1482852	A	G	0.003	0.004	5.75E-01	-0.021	0.004	6.34E-08	0.013	0.004	3.68E-04	A	G	-0.0044	0.006	4.57E-01
rs1515110	T	G	0.006	0.004	9.36E-02	-0.032	0.004	8.04E-18	0.027	0.003	8.54E-14	T	G	0.0131	0.0059	2.55E-02
rs1532085	A	G	0.003	0.004	6.47E-01	0.107	0.004	1.24E-188	0.031	0.003	2.32E-18	A	G	0.0019	0.0058	7.42E-01
rs1535	A	G	0.053	0.004	7.77E-41	0.039	0.004	5.74E-27	-0.046	0.004	5.49E-40	A	G	0.0025	0.006	6.79E-01
rs1564348	C	T	0.048	0.005	2.76E-21	-0.008	0.005	1.68E-01	0.016	0.005	4.91E-04	T	C	-0.0042	0.0078	5.90E-01
rs16831243	T	C	0.038	0.006	9.06E-12	0.011	0.005	3.90E-02	-0.001	0.005	9.87E-01	T	C	-0.0062	0.0089	4.88E-01
rs1688030	C	T	0.016	0.008	3.73E-02	0.009	0.007	2.46E-01	0.038	0.007	1.99E-07	T	C	0.0016	0.0111	8.83E-01
rs1689797	A	C	0.014	0.004	4.92E-04	-0.036	0.004	2.85E-21	0.011	0.004	2.42E-02	A	C	0.002	0.006	7.44E-01
rs16942887	A	G	0.001	0.005	7.98E-01	0.083	0.005	8.28E-54	-0.012	0.005	2.96E-02	A	G	0.003	0.0086	7.22E-01
rs17145738	T	C	0.004	0.006	5.43E-01	0.041	0.005	4.95E-13	-0.115	0.005	9.42E-99	T	C	0.0186	0.0088	3.52E-02
rs17173637	C	T	0.007	0.006	3.81E-01	-0.036	0.006	1.90E-08	0.021	0.006	1.04E-03	T	C	-0.0199	0.0101	4.85E-02
rs17286602	T	A	0.003	0.004	4.24E-01	-0.021	0.003	2.93E-07	0.006	0.003	1.62E-01	A	T	0.0049	0.0058	3.98E-01
rs17345563	A	G	0.036	0.006	2.04E-09	-0.014	0.005	4.62E-03	0.015	0.005	3.90E-03	A	G	0.0251	0.0091	5.78E-03
rs174532	A	G	0.035	0.004	3.13E-16	0.021	0.004	6.93E-08	-0.016	0.004	3.44E-05	A	G	0.0003	0.0064	9.63E-01

SNP	GWAS of blood lipids											GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA			
			beta	se	p	beta	se	p	beta	se	p			beta	se	p
rs17508045	T	C	0.049	0.007	4.91E-12	-0.009	0.006	4.66E-02	-0.008	0.006	4.00E-01	T	C	0.0097	0.0106	3.59E-01
rs17695224	G	A	0.011	0.004	1.25E-02	0.029	0.004	2.42E-13	-0.012	0.004	1.13E-02	A	G	0.0131	0.0065	4.26E-02
rs17788930	A	G	0.005	0.004	2.18E-01	0.036	0.004	1.53E-22	-0.011	0.004	2.80E-03	A	G	-0.0063	0.0061	3.06E-01
rs17789218	T	C	0.024	0.004	3.26E-07	-0.004	0.004	1.35E-01	0.006	0.004	6.65E-02	T	C	0.006	0.0071	3.99E-01
rs1781930	G	A	0.01	0.005	5.70E-02	0.002	0.005	6.25E-01	0.031	0.004	2.51E-11	A	G	0.003	0.0076	6.91E-01
rs1800562	G	A	0.062	0.008	8.25E-14	0.007	0.007	2.42E-01	-0.013	0.007	1.72E-01	A	G	-0.0045	0.0119	7.05E-01
rs1800961	C	T	0.069	0.011	6.03E-10	0.127	0.01	1.64E-34	0.002	0.009	7.02E-01	T	C	0.0027	0.0163	8.66E-01
rs181362	C	T	0.007	0.005	7.93E-02	0.038	0.004	9.24E-18	0.009	0.004	2.81E-02	T	C	-0.0199	0.0071	5.22E-03
rs1883025	C	T	0.03	0.004	6.14E-11	0.07	0.004	1.50E-65	0.022	0.004	2.91E-07	T	C	-0.0005	0.0065	9.34E-01
rs1998013	C	T	0.381	0.022	3.02E-48	-0.035	0.02	4.13E-01	-0.009	0.02	6.57E-01	T	C	-0.1209	0.0554	2.90E-02
rs2000999	A	G	0.065	0.005	4.22E-41	0.002	0.004	9.52E-01	0.019	0.004	7.49E-07	A	G	0.0057	0.0073	4.32E-01
rs2030746	T	C	0.021	0.004	8.61E-09	-0.003	0.004	3.06E-01	0.003	0.004	4.91E-01	T	C	-0.0041	0.0058	4.80E-01
rs205262	A	G	0.009	0.004	3.13E-02	0.028	0.004	3.88E-13	-0.003	0.004	8.03E-01	A	G	0.0108	0.0063	8.73E-02
rs2068888	G	A	0.017	0.004	3.89E-05	-0.019	0.004	2.15E-06	0.024	0.003	1.68E-11	A	G	0.0057	0.0057	3.20E-01
rs2073547	G	A	0.049	0.005	1.92E-21	-0.005	0.005	3.10E-01	0.015	0.004	3.39E-03	A	G	0.0045	0.0075	5.49E-01
rs217386	G	A	0.036	0.004	1.20E-19	-0.001	0.004	4.99E-01	0.01	0.003	6.35E-03	A	G	0.0024	0.0058	6.83E-01
rs2240327	G	A	0.001	0.004	9.71E-01	0.024	0.003	1.11E-11	-0.002	0.003	8.67E-01	A	G	0.0117	0.0057	4.00E-02
rs2241210	G	A	0.008	0.004	8.55E-02	0.033	0.004	2.49E-20	0.003	0.003	2.47E-01	A	G	0.0054	0.0057	3.42E-01
rs2247056	C	T	0.025	0.004	1.42E-08	0.012	0.004	3.79E-03	0.038	0.004	3.86E-21	T	C	0.0136	0.0091	1.36E-01

SNP	GWAS of blood lipids										GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs2255141	A	G	0.03	0.004	1.32E-13	0.034	0.004	2.35E-17	-0.021	0.004	1.70E-09	A	G	-0.0003	0.0064	9.68E-01
rs2278236	A	G	0.007	0.004	1.27E-01	0.033	0.004	3.19E-18	-0.014	0.003	1.52E-04	A	G	-0.0031	0.0058	5.86E-01
rs2287623	G	A	0.022	0.004	5.40E-08	0.011	0.004	2.05E-03	-0.001	0.003	9.20E-01	A	G	0.009	0.0058	1.19E-01
rs2288002	G	A	0.029	0.004	1.26E-12	0.007	0.004	1.21E-01	0.009	0.003	1.69E-03	A	G	0.0129	0.0058	2.50E-02
rs2290547	A	G	0.001	0.005	7.93E-01	-0.03	0.005	3.69E-09	0.01	0.004	2.21E-02	A	G	-0.0071	0.008	3.75E-01
rs2293889	T	G	0.015	0.004	2.42E-04	-0.031	0.004	4.27E-17	0.006	0.003	1.51E-01	T	G	0.0128	0.0061	3.51E-02
rs2294261	A	C	0.033	0.004	6.57E-17	-0.009	0.004	2.06E-02	0.002	0.003	5.87E-01	A	C	0.0011	0.0057	8.52E-01
rs2297374	C	T	0.033	0.004	1.26E-15	-0.006	0.004	2.18E-01	0.009	0.003	4.74E-03	T	C	0.0051	0.0058	3.84E-01
rs2303975	G	A	0.001	0.005	9.35E-01	-0.028	0.005	1.59E-07	0.012	0.005	2.68E-02	A	G	-0.0058	0.0087	5.03E-01
rs2326077	C	T	0.034	0.004	5.00E-17	0.004	0.004	2.18E-01	0.018	0.003	5.35E-07	T	C	0.0001	0.0061	9.91E-01
rs2328223	C	A	0.03	0.005	5.63E-09	0	0.005	8.59E-01	-0.007	0.005	1.15E-01	A	C	0.0041	0.0073	5.75E-01
rs2412710	G	A	0.002	0.015	6.40E-01	0.084	0.014	1.36E-09	-0.099	0.013	1.66E-11	A	G	0.0366	0.0193	5.89E-02
rs2472509	G	T	0	0.004	7.08E-01	0.023	0.004	1.21E-09	-0.002	0.004	7.22E-01	T	G	-0.0119	0.0062	5.47E-02
rs2587534	A	G	0.039	0.004	8.06E-25	0.009	0.003	3.85E-03	0.004	0.003	2.71E-01	A	G	-0.0098	0.0057	8.71E-02
rs2602836	G	A	0.001	0.004	8.31E-01	-0.019	0.003	4.96E-08	0.009	0.003	2.12E-02	A	G	-0.0034	0.0057	5.56E-01
rs261342	C	G	0.003	0.007	7.36E-01	-0.107	0.006	1.47E-68	-0.045	0.006	2.53E-12	C	G	-0.002	0.0068	7.68E-01
rs2642438	G	A	0.035	0.004	7.32E-16	0.03	0.004	7.78E-14	-0.017	0.004	5.27E-06	A	G	0.0089	0.0065	1.68E-01
rs2652834	A	G	0.002	0.005	7.32E-01	-0.029	0.004	3.59E-11	0.025	0.004	1.92E-08	A	G	0.0047	0.007	5.01E-01
rs267733	A	G	0.033	0.005	5.29E-09	-0.016	0.005	3.58E-03	0.003	0.005	6.16E-01	A	G	0.0263	0.0079	8.94E-04

SNP	GWAS of blood lipids											GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs2710642	A	G	0.024	0.004	6.09E-09	-0.01	0.004	7.69E-03	0.007	0.003	4.71E-02	A	G	0.0017	0.0061	7.81E-01
rs2737252	G	A	0.031	0.004	7.04E-14	0.013	0.004	3.94E-03	0.009	0.004	1.07E-02	A	G	0.0055	0.0064	3.93E-01
rs2923084	G	A	0.012	0.005	1.84E-02	-0.026	0.005	5.02E-08	0.012	0.004	5.97E-03	A	G	0.0016	0.0072	8.29E-01
rs2925979	C	T	0.003	0.004	6.30E-01	0.035	0.004	1.32E-19	-0.021	0.004	2.14E-07	T	C	0.0091	0.0063	1.47E-01
rs2954022	C	A	0.055	0.004	2.39E-47	-0.04	0.003	2.12E-29	0.078	0.003	2.23E-113	A	C	0.0023	0.0057	6.90E-01
rs2980885	G	A	0.031	0.005	6.26E-11	-0.035	0.004	1.73E-14	0.058	0.004	3.00E-40	A	G	0.0002	0.0068	9.78E-01
rs314253	T	C	0.024	0.004	3.44E-10	-0.003	0.004	3.53E-01	0.009	0.003	2.98E-02	T	C	0.0146	0.006	1.44E-02
rs3198697	T	C	0.01	0.004	6.86E-03	0.016	0.004	3.28E-05	-0.02	0.003	2.21E-08	T	C	-0.0131	0.006	2.78E-02
rs326214	A	G	0.007	0.005	2.04E-01	-0.061	0.005	2.17E-36	0.024	0.004	3.79E-07	A	G	-0.0212	0.0061	4.78E-04
rs355838	T	G	0.018	0.004	3.05E-05	-0.019	0.004	4.10E-07	0.014	0.003	1.21E-04	T	G	0.0002	0.0059	9.71E-01
rs364585	G	A	0.025	0.004	4.28E-10	0.001	0.004	8.22E-01	-0.002	0.003	4.40E-01	A	G	-0.0027	0.0058	6.47E-01
rs3741414	C	T	0.016	0.004	3.41E-04	-0.03	0.004	6.10E-14	0.028	0.004	1.44E-13	T	C	-0.0001	0.0068	9.87E-01
rs3761445	A	G	0.008	0.004	3.99E-02	-0.016	0.004	3.94E-06	0.023	0.003	8.06E-12	A	G	0.0233	0.0058	5.86E-05
rs3780181	A	G	0.045	0.007	1.76E-09	0.004	0.007	5.42E-01	-0.007	0.007	4.91E-01	A	G	0.0108	0.0106	3.06E-01
rs3817588	T	C	0.026	0.005	4.43E-07	-0.005	0.004	2.30E-01	0.067	0.004	1.30E-55	T	C	-0.0137	0.0074	6.64E-02
rs3822072	A	G	0.007	0.004	3.71E-02	-0.025	0.003	4.06E-12	0.018	0.003	5.74E-07	A	G	-0.0064	0.0057	2.64E-01
rs38855	A	G	0.001	0.004	9.73E-01	-0.015	0.003	9.05E-05	0.019	0.003	2.11E-08	A	G	0.0022	0.0057	6.99E-01
rs3996352	A	G	0.005	0.004	1.21E-01	-0.03	0.003	3.59E-17	0.018	0.003	5.88E-08	A	G	0.006	0.0057	2.90E-01
rs4075205	C	T	0.012	0.004	8.21E-04	-0.022	0.004	3.54E-09	0.009	0.003	5.16E-02	T	C	-0.0055	0.0059	3.53E-01

SNP	GWAS of blood lipids											GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs4148005	G	T	0.015	0.004	1.49E-04	-0.028	0.004	5.74E-14	0.007	0.004	4.37E-02	T	G	-0.0114	0.006	5.85E-02
rs4148218	G	A	0.044	0.005	6.76E-21	-0.003	0.004	4.56E-01	0.004	0.004	2.95E-01	A	G	-0.0009	0.0074	9.01E-01
rs4240624	A	G	0.067	0.006	2.62E-23	0.082	0.006	1.32E-45	-0.028	0.006	1.09E-06	A	G	-0.017	0.01	8.93E-02
rs4332136	C	G	-0.043	0.098	6.60E-01	0.48	0.065	1.00E-13	0.024	0.053	6.50E-01	C	G	-0.0021	0.0261	9.36E-01
rs442177	T	G	0.016	0.004	6.09E-05	-0.022	0.003	2.19E-09	0.031	0.003	1.32E-18	T	G	-0.0086	0.0058	1.36E-01
rs4465830	G	A	0.009	0.005	5.99E-02	-0.06	0.004	5.18E-40	0.053	0.004	2.98E-34	A	G	-0.0005	0.0073	9.46E-01
rs4530754	A	G	0.028	0.004	3.58E-12	0.001	0.003	9.34E-01	0.002	0.003	7.42E-01	A	G	-0.0057	0.0057	3.25E-01
rs4587594	G	A	0.049	0.004	1.63E-32	0.015	0.004	1.08E-04	0.069	0.004	3.50E-82	A	G	0.0128	0.0061	3.53E-02
rs4650994	A	G	0.003	0.004	3.38E-01	-0.021	0.003	6.70E-09	0.002	0.003	3.98E-01	A	G	0.002	0.0057	7.25E-01
rs4660293	G	A	0.011	0.004	1.23E-02	-0.035	0.004	2.86E-18	0.02	0.004	2.87E-07	A	G	-0.0126	0.0068	6.20E-02
rs4722551	C	T	0.039	0.005	3.95E-14	0.01	0.005	2.47E-02	-0.027	0.004	1.58E-09	T	C	-0.0068	0.008	3.98E-01
rs4791641	C	T	0.02	0.004	1.31E-07	0.004	0.003	9.51E-02	-0.003	0.003	4.59E-01	T	C	0.0029	0.0057	6.14E-01
rs4846914	G	A	0.004	0.004	2.34E-01	-0.048	0.003	3.51E-41	0.04	0.003	7.20E-31	A	G	0.0011	0.0059	8.54E-01
rs4871137	G	T	0.004	0.004	2.36E-01	0.021	0.004	1.93E-07	0.001	0.004	6.56E-01	T	G	0.0003	0.006	9.56E-01
rs4917014	G	T	0.005	0.004	2.46E-01	0.022	0.004	1.03E-08	-0.001	0.004	8.87E-01	T	G	-0.0076	0.0061	2.13E-01
rs4921914	C	T	0.023	0.004	1.92E-07	0.002	0.004	3.94E-01	0.035	0.004	4.87E-17	T	C	0.011	0.0068	1.04E-01
rs492571	T	C	0.003	0.01	4.72E-01	0.066	0.009	1.27E-12	-0.08	0.009	6.74E-17	T	C	0.006	0.0134	6.56E-01
rs492602	G	A	0.029	0.004	9.42E-14	-0.003	0.004	4.27E-01	0.014	0.004	2.48E-04	A	G	0.0266	0.0059	7.21E-06
rs4939883	C	T	0.021	0.005	1.47E-05	0.08	0.005	1.80E-66	0.005	0.004	3.81E-01	T	C	-0.007	0.0073	3.32E-01

SNP	GWAS of blood lipids											GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA			
			beta	se	p	beta	se	p	beta	se	p			beta	se	p
rs4942486	T	C	0.024	0.004	2.26E-11	-0.014	0.003	1.16E-04	0.007	0.003	2.38E-02	T	C	-0.0032	0.0056	5.74E-01
rs4969178	G	A	0.011	0.004	8.20E-03	0.026	0.004	1.53E-12	-0.018	0.003	5.70E-06	A	G	0.0098	0.0059	1.01E-01
rs4976033	A	G	0.001	0.004	8.75E-01	0.022	0.004	6.42E-08	-0.014	0.004	2.01E-04	A	G	-0.0116	0.0061	5.73E-02
rs4983559	G	A	0.003	0.004	5.83E-01	0.02	0.004	9.57E-09	0	0.004	9.71E-01	A	G	0.0002	0.006	9.80E-01
rs499974	A	C	0.001	0.005	8.26E-01	-0.026	0.004	1.12E-08	-0.009	0.004	5.41E-02	A	C	0.0023	0.0074	7.61E-01
rs515135	C	T	0.139	0.005	1.09E-178	-0.011	0.004	9.01E-03	0.019	0.004	1.36E-04	T	C	-0.0062	0.0073	3.94E-01
rs5763662	T	C	0.077	0.012	1.19E-08	0.033	0.011	6.37E-03	0	0.011	8.88E-01	T	C	0.0353	0.0191	6.53E-02
rs579459	C	T	0.067	0.005	2.42E-44	0.015	0.004	1.68E-03	-0.014	0.004	1.08E-03	T	C	0.0077	0.007	2.71E-01
rs5880	C	G	0.047	0.01	1.59E-06	-0.307	0.009	1.37E-233	0.048	0.009	4.71E-08	C	G	0.0069	0.0139	6.18E-01
rs6016381	T	C	0.036	0.004	6.85E-20	-0.008	0.004	6.08E-02	0.014	0.003	1.99E-05	T	C	0.0103	0.0059	7.89E-02
rs603446	C	T	0.009	0.004	1.14E-02	-0.002	0.004	8.73E-01	0.05	0.003	3.92E-43	T	C	-0.0013	0.0058	8.27E-01
rs6065311	C	T	0.042	0.004	1.66E-30	0.002	0.003	4.37E-01	0.006	0.003	2.27E-02	T	C	0.0077	0.0057	1.79E-01
rs634869	T	C	0.013	0.004	8.37E-04	-0.023	0.003	1.00E-10	0.027	0.003	1.78E-14	T	C	-0.0042	0.0058	4.68E-01
rs6450176	A	G	0.01	0.004	1.18E-02	-0.025	0.004	6.88E-10	0.019	0.004	3.61E-07	A	G	-0.0006	0.0065	9.29E-01
rs646776	T	C	0.16	0.004	1.63E-272	-0.034	0.004	2.72E-15	0.003	0.004	3.73E-01	T	C	-0.0205	0.0068	2.43E-03
rs6489818	A	G	0.028	0.005	4.57E-09	0	0.005	9.28E-01	-0.004	0.004	5.40E-01	A	G	0.0047	0.0072	5.10E-01
rs6511720	G	T	0.221	0.006	3.85E-262	-0.025	0.006	6.32E-05	0.008	0.006	1.04E-01	T	G	0.004	0.0093	6.64E-01
rs653178	T	C	0.023	0.004	3.88E-09	0.026	0.004	1.06E-12	-0.01	0.003	2.88E-02	T	C	0.0176	0.0058	2.46E-03
rs6544713	T	C	0.081	0.004	4.84E-83	-0.003	0.004	3.88E-01	0.013	0.004	9.60E-04	T	C	-0.0038	0.0062	5.38E-01

SNP	GWAS of blood lipids											GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs6603981	T	C	0.034	0.004	3.10E-13	0.004	0.004	3.81E-01	0.007	0.004	1.74E-01	T	C	-0.0064	0.0073	3.79E-01
rs6680658	G	A	0.006	0.005	2.18E-01	-0.023	0.004	7.49E-08	0.017	0.004	1.44E-05	A	G	0.0056	0.0068	4.08E-01
rs6805251	T	C	0.012	0.004	1.86E-03	0.02	0.004	1.33E-08	-0.001	0.003	9.94E-01	T	C	-0.0092	0.0058	1.17E-01
rs6831256	G	A	0.019	0.004	9.07E-07	-0.013	0.004	2.97E-03	0.026	0.004	1.60E-12	A	G	0.0127	0.0058	2.95E-02
rs6859	A	G	0.084	0.004	4.65E-88	-0.018	0.004	7.73E-06	0.014	0.004	8.10E-05	A	G	0.0019	0.0059	7.45E-01
rs686030	A	C	0.009	0.005	2.36E-01	0.055	0.005	4.29E-27	0.025	0.005	2.23E-07	A	C	-0.0109	0.0081	1.78E-01
rs687339	T	C	0.011	0.005	9.97E-03	-0.032	0.004	7.11E-13	0.029	0.004	2.51E-12	T	C	0.0126	0.0068	6.35E-02
rs688	T	C	0.054	0.004	1.01E-43	-0.011	0.003	1.55E-03	0.004	0.003	2.18E-01	T	C	-0.0062	0.0058	2.79E-01
rs6882076	C	T	0.046	0.004	3.31E-31	0.002	0.004	6.85E-01	0.029	0.004	1.51E-15	T	C	0.0016	0.0059	7.92E-01
rs702485	G	A	0.001	0.004	7.87E-01	0.024	0.003	6.45E-12	-0.002	0.003	4.75E-01	A	G	-0.0014	0.0057	8.06E-01
rs7033354	C	T	0.019	0.004	1.42E-06	-0.015	0.004	6.54E-05	0.019	0.003	4.44E-07	T	C	-0.0069	0.0061	2.51E-01
rs7117842	C	T	0.019	0.004	7.56E-07	0.027	0.004	1.06E-14	-0.002	0.003	5.43E-01	T	C	-0.0103	0.0059	8.04E-02
rs7225700	C	T	0.03	0.004	3.56E-13	0.01	0.004	2.35E-02	-0.005	0.004	2.36E-01	T	C	0.0067	0.006	2.64E-01
rs7254892	G	A	0.485	0.012	0.00E+00	-0.053	0.011	4.17E-05	-0.124	0.011	1.40E-24	A	G	-0.0075	0.0161	6.44E-01
rs7264396	C	T	0.025	0.005	4.41E-08	0.005	0.004	6.02E-02	0.011	0.004	2.58E-03	T	C	-0.0113	0.0069	1.00E-01
rs731839	A	G	0.002	0.004	5.17E-01	0.022	0.004	3.44E-09	-0.022	0.004	2.65E-09	A	G	-0.0121	0.006	4.51E-02
rs749671	G	A	0.015	0.004	1.05E-04	-0.007	0.004	9.57E-02	0.021	0.003	6.11E-10	A	G	0.0147	0.006	1.37E-02
rs7607980	T	C	0.007	0.006	2.88E-01	-0.045	0.005	1.81E-15	0.036	0.005	2.41E-12	T	C	0.0046	0.0084	5.82E-01
rs7640978	C	T	0.039	0.007	9.84E-09	0	0.006	7.22E-01	0.018	0.006	5.54E-03	T	C	-0.0031	0.0099	7.53E-01

SNP	GWAS of blood lipids											GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs7703051	A	C	0.073	0.004	1.40E-77	0.002	0.004	4.21E-01	0.006	0.003	1.63E-01	A	C	-0.0151	0.0059	1.04E-02
rs7832643	T	G	0.034	0.004	2.67E-17	-0.001	0.004	5.95E-01	0.002	0.003	4.72E-01	T	G	-0.0097	0.006	1.05E-01
rs7897379	C	T	0.01	0.004	4.07E-03	0.019	0.003	1.31E-08	-0.027	0.003	1.27E-17	T	C	-0.0002	0.0057	9.70E-01
rs799160	T	C	0.005	0.004	2.86E-01	-0.013	0.004	2.94E-04	0.04	0.004	5.46E-30	T	C	-0.0153	0.006	1.11E-02
rs8017377	A	G	0.03	0.004	2.52E-15	-0.004	0.004	4.34E-01	0.006	0.004	1.42E-01	A	G	-0.0026	0.0058	6.51E-01
rs8077889	C	A	0.001	0.005	9.15E-01	-0.021	0.004	1.50E-06	0.025	0.004	9.88E-09	A	C	-0.0046	0.0071	5.17E-01
rs8176720	T	C	0.033	0.004	1.59E-17	0.001	0.004	9.43E-01	-0.007	0.004	6.09E-02	T	C	-0.0161	0.0059	6.61E-03
rs838876	G	A	0.003	0.004	4.42E-01	-0.049	0.004	7.33E-33	0.005	0.004	3.77E-01	A	G	-0.007	0.0061	2.58E-01
rs868943	G	A	0.026	0.004	8.44E-11	0.008	0.004	3.55E-02	0.014	0.003	3.18E-04	A	G	-0.0029	0.0058	6.11E-01
rs894210	G	A	0.007	0.004	1.22E-01	-0.069	0.003	1.68E-84	0.067	0.003	2.94E-89	A	G	0.0006	0.0057	9.13E-01
rs903319	C	T	0.027	0.004	5.22E-11	0.01	0.004	1.22E-02	-0.005	0.004	1.38E-01	T	C	0.0004	0.0065	9.47E-01
rs931992	T	G	0.002	0.006	7.03E-01	0.029	0.005	4.20E-07	-0.009	0.005	1.33E-01	T	G	-0.0019	0.006	7.58E-01
rs9491696	G	C	0.006	0.004	2.64E-01	-0.02	0.003	5.21E-10	0.018	0.003	4.87E-07	C	G	-0.0231	0.0057	4.72E-05
rs952044	C	T	0.003	0.004	5.79E-01	0.023	0.004	1.19E-08	-0.01	0.004	2.45E-03	T	C	0.0158	0.0061	9.42E-03
rs9686661	T	C	0.018	0.005	5.29E-04	-0.028	0.004	1.37E-08	0.038	0.004	2.54E-16	T	C	0.0119	0.0072	9.59E-02
rs9693857	C	T	0.005	0.004	2.98E-01	0.004	0.004	5.27E-01	-0.02	0.003	1.69E-08	T	C	-0.0125	0.0058	3.15E-02
rs970548	C	A	0.016	0.004	6.65E-04	0.026	0.004	1.71E-10	0.003	0.004	4.59E-01	A	C	0.0022	0.0066	7.36E-01
rs9875338	G	A	0.027	0.004	2.21E-11	0.007	0.004	2.10E-02	0.014	0.003	1.62E-05	A	G	0.0123	0.0058	3.28E-02
rs9930333	T	G	0	0.004	7.18E-01	0.02	0.004	2.07E-08	-0.021	0.004	3.25E-08	T	G	0.0121	0.0058	3.53E-02

SNP	GWAS of blood lipids											GWAS of TB-BMD				
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs998584	A	C	0.001	0.004	9.36E-01	-0.026	0.004	2.27E-11	0.029	0.004	3.42E-15	A	C	0.0091	0.006	1.32E-01
rs9989419	A	G	0.028	0.004	2.49E-12	-0.147	0.004	0.00E+00	0.024	0.004	1.05E-11	A	G	-0.0001	0.0058	9.90E-01

EA: effect allele; NEA: non-effect allele; beta: effect size; se: standard error for beta; p: p-value

Supplementary Table 2. Summary statistics of 185 SNPs included in the Mendelian Randomization analysis to examine the causal effects of blood lipids traits on estimated bone mineral density (eBMD).

The summary statistics with regard to blood lipid traits (including LDL-C, HDL-C and Triglycerides) were extracted from the meta-analysis of genome-wide association study (GWAS) conducted by the Global Lipids Genetics Consortium (3) while the statistics regarding eBMD were extracted from a GWAS conducted in UK Biobank participants (5).

	GWAS of Lipids										GWAS of eBMD				
SNP	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs10019888	G	A	0.018	0.005	3.23E-04	-0.027	0.005	4.90E-08	0.023	0.005	2.28E-06	A	G	-0.007	0.005	1.20E-01
rs10029254	T	C	0.006	0.004	2.05E-01	-0.009	0.004	4.87E-02	0.027	0.004	7.55E-09	C	T	-0.009	0.004	8.20E-03
rs1010167	G	C	0.025	0.004	6.22E-11	-0.004	0.004	3.96E-01	0.002	0.004	8.08E-01	C	G	0.004	0.003	2.70E-01
rs10102164	A	G	0.032	0.005	3.74E-11	-0.001	0.004	7.97E-01	0.011	0.004	6.87E-03	G	A	-0.008	0.004	4.00E-02
rs10282707	C	T	0.008	0.004	4.23E-02	0.025	0.004	1.03E-11	-0.009	0.003	6.52E-03	C	T	-0.007	0.003	9.50E-02
rs103294	T	C	0.007	0.005	1.23E-01	0.052	0.004	4.00E-30	-0.002	0.004	7.52E-01	C	T	0.007	0.004	8.30E-02
rs1035744	T	C	0.007	0.004	1.58E-01	-0.006	0.004	1.55E-01	0.021	0.004	1.45E-07	C	T	0.001	0.004	8.00E-01
rs10401969	T	C	0.118	0.007	2.65E-54	-0.013	0.007	1.02E-01	0.121	0.007	9.70E-70	T	C	-0.015	0.006	1.60E-02
rs10493326	A	G	0.021	0.004	1.91E-06	-0.001	0.004	6.73E-01	0.031	0.004	2.00E-15	G	A	0.000	0.004	9.10E-01
rs10513688	A	G	0.022	0.006	2.18E-03	-0.005	0.006	6.08E-01	0.031	0.006	1.54E-07	G	A	-0.008	0.006	2.40E-01
rs10773105	T	C	0.006	0.004	1.22E-01	-0.036	0.004	3.20E-24	0.004	0.003	5.09E-01	C	T	-0.001	0.003	7.10E-01
rs10790162	A	G	0.076	0.007	1.09E-23	-0.095	0.007	9.91E-40	0.231	0.007	1.10E-249	A	G	0.004	0.007	6.10E-01

	GWAS of Lipids											GWAS of eBMD				
SNP	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs10832962	T	C	0.032	0.004	6.62E-14	0.004	0.004	3.33E-01	0.011	0.004	5.18E-03	C	T	0.001	0.004	7.40E-01
rs10861661	C	A	0.000	0.005	9.29E-01	-0.022	0.004	5.05E-07	0.023	0.004	2.60E-07	A	C	0.003	0.004	4.90E-01
rs10903129	G	A	0.033	0.004	3.03E-17	0.001	0.003	8.59E-01	0.008	0.003	5.88E-03	A	G	0.010	0.003	1.30E-03
rs11045163	A	G	0.006	0.004	1.63E-01	-0.022	0.004	3.20E-09	0.010	0.003	2.85E-03	A	G	0.000	0.003	9.50E-01
rs11220462	A	G	0.059	0.006	6.61E-21	-0.016	0.006	8.75E-03	0.019	0.005	1.32E-03	G	A	-0.003	0.005	6.50E-01
rs11246602	C	T	0.002	0.006	5.26E-01	0.034	0.005	1.68E-10	-0.009	0.005	1.92E-01	T	C	-0.015	0.005	9.20E-03
rs11563251	T	C	0.035	0.006	4.50E-08	0.006	0.006	3.65E-01	0.008	0.006	8.26E-02	C	T	0.004	0.005	7.00E-01
rs11660468	T	C	0.011	0.004	3.41E-03	0.039	0.003	3.60E-27	-0.001	0.003	8.80E-01	C	T	-0.007	0.003	8.30E-02
rs1169288	C	A	0.038	0.004	6.45E-21	0.010	0.004	9.13E-03	0.003	0.004	4.20E-01	A	C	0.001	0.004	6.80E-01
rs1186380	C	T	0.024	0.004	8.46E-08	0.000	0.004	8.69E-01	-0.003	0.004	5.21E-01	C	T	0.004	0.004	2.80E-01
rs12133576	A	G	0.010	0.004	3.83E-03	0.024	0.004	6.15E-11	-0.009	0.003	1.19E-02	A	G	-0.002	0.003	5.50E-01
rs12145743	T	G	0.004	0.004	3.38E-01	-0.020	0.004	1.80E-08	0.012	0.004	5.56E-04	T	G	0.009	0.004	8.10E-03
rs12226802	G	A	0.000	0.005	6.19E-01	0.033	0.005	1.29E-09	-0.007	0.005	2.30E-01	A	G	-0.017	0.005	1.60E-03
rs1250229	C	T	0.024	0.004	3.13E-08	-0.003	0.004	4.04E-01	0.009	0.004	1.39E-02	T	C	-0.009	0.004	3.50E-02
rs12525163	T	C	0.004	0.004	2.56E-01	-0.022	0.004	1.52E-07	0.009	0.004	3.70E-02	T	C	-0.047	0.004	1.40E-37
rs1260326	T	C	0.021	0.004	1.51E-07	-0.011	0.004	1.74E-03	0.115	0.003	2.29E-239	T	C	-0.008	0.003	6.90E-03
rs12670798	C	T	0.034	0.004	4.81E-14	-0.001	0.004	7.33E-01	0.010	0.004	1.68E-02	T	C	0.005	0.004	1.70E-01
rs12678919	A	G	0.008	0.006	5.05E-01	-0.155	0.006	1.38E-149	0.170	0.006	1.82E-199	A	G	0.010	0.006	5.40E-02
rs12801636	A	G	0.008	0.005	1.45E-01	0.024	0.004	3.15E-08	-0.018	0.004	1.35E-05	G	A	0.032	0.004	5.40E-16

	GWAS of Lipids										GWAS of eBMD				
SNP	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs13107325	C	T	0.016	0.008	5.74E-02	0.071	0.008	1.07E-15	-0.031	0.008	3.98E-05	C	T	0.025	0.006	4.00E-05
rs13326165	G	A	0.004	0.005	2.67E-01	-0.029	0.004	9.04E-11	0.021	0.004	2.96E-06	A	G	-0.004	0.004	4.00E-01
rs1341267	A	C	0.002	0.004	8.87E-01	0.002	0.003	8.59E-01	-0.018	0.003	8.30E-07	C	A	0.002	0.003	5.60E-01
rs1367117	A	G	0.119	0.004	9.48E-183	-0.022	0.004	7.59E-09	0.025	0.004	1.06E-11	G	A	0.008	0.004	4.00E-02
rs1482852	A	G	0.003	0.004	5.75E-01	-0.021	0.004	6.34E-08	0.013	0.004	3.68E-04	A	G	0.030	0.004	2.40E-17
rs1515110	T	G	0.006	0.004	9.36E-02	-0.032	0.004	8.04E-18	0.027	0.003	8.54E-14	G	T	-0.003	0.003	3.20E-01
rs1532085	A	G	0.003	0.004	6.47E-01	0.107	0.004	1.24E-188	0.031	0.003	2.32E-18	A	G	0.002	0.003	8.30E-01
rs1535	A	G	0.053	0.004	7.77E-41	0.039	0.004	5.74E-27	-0.046	0.004	5.49E-40	A	G	-0.019	0.004	2.20E-08
rs1564348	C	T	0.048	0.005	2.76E-21	-0.008	0.005	1.68E-01	0.016	0.005	4.91E-04	T	C	0.007	0.004	1.10E-01
rs16831243	T	C	0.038	0.006	9.06E-12	0.011	0.005	3.90E-02	-0.001	0.005	9.87E-01	C	T	0.009	0.006	6.10E-02
rs1688030	C	T	0.016	0.008	3.73E-02	0.009	0.007	2.46E-01	0.038	0.007	1.99E-07	T	C	0.011	0.007	9.90E-02
rs1689797	A	C	0.014	0.004	4.92E-04	-0.036	0.004	2.85E-21	0.011	0.004	2.42E-02	C	A	-0.004	0.004	1.90E-01
rs16942887	A	G	0.001	0.005	7.98E-01	0.083	0.005	8.28E-54	-0.012	0.005	2.96E-02	G	A	-0.004	0.005	6.70E-01
rs17145738	T	C	0.004	0.006	5.43E-01	0.041	0.005	4.95E-13	-0.115	0.005	9.42E-99	C	T	-0.006	0.005	1.50E-01
rs17173637	C	T	0.007	0.006	3.81E-01	-0.036	0.006	1.90E-08	0.021	0.006	1.04E-03	T	C	-0.012	0.006	7.20E-02
rs17286602	T	A	0.003	0.004	4.24E-01	-0.021	0.003	2.93E-07	0.006	0.003	1.62E-01	T	A	0.005	0.003	1.90E-01
rs17345563	A	G	0.036	0.006	2.04E-09	-0.014	0.005	4.62E-03	0.015	0.005	3.90E-03	A	G	0.003	0.005	7.30E-01
rs174532	A	G	0.035	0.004	3.13E-16	0.021	0.004	6.93E-08	-0.016	0.004	3.44E-05	G	A	0.009	0.004	8.70E-03
rs17508045	T	C	0.049	0.007	4.91E-12	-0.009	0.006	4.66E-02	-0.008	0.006	4.00E-01	T	C	0.018	0.006	2.40E-03

	GWAS of Lipids											GWAS of eBMD				
SNP	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs17695224	G	A	0.011	0.004	1.25E-02	0.029	0.004	2.42E-13	-0.012	0.004	1.13E-02	G	A	-0.012	0.004	5.70E-03
rs17788930	A	G	0.005	0.004	2.18E-01	0.036	0.004	1.53E-22	-0.011	0.004	2.80E-03	A	G	-0.004	0.004	1.80E-01
rs17789218	T	C	0.024	0.004	3.26E-07	-0.004	0.004	1.35E-01	0.006	0.004	6.65E-02	T	C	0.001	0.004	5.30E-01
rs1781930	G	A	0.010	0.005	5.70E-02	0.002	0.005	6.25E-01	0.031	0.004	2.51E-11	A	G	0.007	0.004	1.00E-01
rs1800562	G	A	0.062	0.008	8.25E-14	0.007	0.007	2.42E-01	-0.013	0.007	1.72E-01	G	A	0.008	0.006	4.10E-01
rs1800961	C	T	0.069	0.011	6.03E-10	0.127	0.01	1.64E-34	0.002	0.009	7.02E-01	C	T	-0.010	0.010	2.30E-01
rs181362	C	T	0.007	0.005	7.93E-02	0.038	0.004	9.24E-18	0.009	0.004	2.81E-02	C	T	0.015	0.004	6.80E-04
rs1883025	C	T	0.030	0.004	6.14E-11	0.070	0.004	1.50E-65	0.022	0.004	2.91E-07	C	T	0.001	0.004	8.70E-01
rs1998013	C	T	0.381	0.022	3.02E-48	-0.035	0.02	4.13E-01	-0.009	0.02	6.57E-01	C	T	-0.002	0.030	9.80E-01
rs2000999	A	G	0.065	0.005	4.22E-41	0.002	0.004	9.52E-01	0.019	0.004	7.49E-07	G	A	0.001	0.004	9.30E-01
rs2030746	T	C	0.021	0.004	8.61E-09	-0.003	0.004	3.06E-01	0.003	0.004	4.91E-01	C	T	-0.002	0.003	9.40E-01
rs205262	A	G	0.009	0.004	3.13E-02	0.028	0.004	3.88E-13	-0.003	0.004	8.03E-01	A	G	-0.001	0.004	9.90E-01
rs2068888	G	A	0.017	0.004	3.89E-05	-0.019	0.004	2.15E-06	0.024	0.003	1.68E-11	G	A	0.004	0.003	4.20E-01
rs2073547	G	A	0.049	0.005	1.92E-21	-0.005	0.005	3.10E-01	0.015	0.004	3.39E-03	A	G	-0.004	0.004	4.80E-01
rs217386	G	A	0.036	0.004	1.20E-19	-0.001	0.004	4.99E-01	0.010	0.003	6.35E-03	G	A	0.000	0.003	9.40E-01
rs2240327	G	A	0.001	0.004	9.71E-01	0.024	0.003	1.11E-11	-0.002	0.003	8.67E-01	A	G	0.015	0.003	4.90E-06
rs2241210	G	A	0.008	0.004	8.55E-02	0.033	0.004	2.49E-20	0.003	0.003	2.47E-01	A	G	0.001	0.003	5.80E-01
rs2247056	C	T	0.025	0.004	1.42E-08	0.012	0.004	3.79E-03	0.038	0.004	3.86E-21	T	C	0.000	0.004	8.90E-01
rs2255141	A	G	0.030	0.004	1.32E-13	0.034	0.004	2.35E-17	-0.021	0.004	1.70E-09	A	G	0.002	0.004	4.80E-01

	GWAS of Lipids											GWAS of eBMD				
SNP	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs2278236	A	G	0.007	0.004	1.27E-01	0.033	0.004	3.19E-18	-0.014	0.003	1.52E-04	G	A	-0.001	0.003	7.40E-01
rs2287623	G	A	0.022	0.004	5.40E-08	0.011	0.004	2.05E-03	-0.001	0.003	9.20E-01	G	A	-0.006	0.003	4.50E-02
rs2288002	G	A	0.029	0.004	1.26E-12	0.007	0.004	1.21E-01	0.009	0.003	1.69E-03	A	G	0.001	0.003	4.80E-01
rs2290547	A	G	0.001	0.005	7.93E-01	-0.030	0.005	3.69E-09	0.010	0.004	2.21E-02	G	A	0.000	0.004	9.70E-01
rs2293889	T	G	0.015	0.004	2.42E-04	-0.031	0.004	4.27E-17	0.006	0.003	1.51E-01	T	G	0.011	0.003	2.40E-04
rs2294261	A	C	0.033	0.004	6.57E-17	-0.009	0.004	2.06E-02	0.002	0.003	5.87E-01	A	C	0.003	0.003	3.90E-01
rs2297374	C	T	0.033	0.004	1.26E-15	-0.006	0.004	2.18E-01	0.009	0.003	4.74E-03	C	T	-0.012	0.003	1.30E-03
rs2303975	G	A	0.001	0.005	9.35E-01	-0.028	0.005	1.59E-07	0.012	0.005	2.68E-02	G	A	0.004	0.005	4.50E-01
rs2326077	C	T	0.034	0.004	5.00E-17	0.004	0.004	2.18E-01	0.018	0.003	5.35E-07	C	T	0.000	0.004	9.60E-01
rs2328223	C	A	0.030	0.005	5.63E-09	0.000	0.005	8.59E-01	-0.007	0.005	1.15E-01	A	C	0.004	0.004	2.70E-01
rs2412710	G	A	0.002	0.015	6.40E-01	0.084	0.014	1.36E-09	-0.099	0.013	1.66E-11	G	A	0.008	0.013	3.50E-01
rs2472509	G	T	0.000	0.004	7.08E-01	0.023	0.004	1.21E-09	-0.002	0.004	7.22E-01	T	G	0.000	0.004	8.60E-01
rs2587534	A	G	0.039	0.004	8.06E-25	0.009	0.003	3.85E-03	0.004	0.003	2.71E-01	G	A	0.011	0.003	2.90E-03
rs2602836	G	A	0.001	0.004	8.31E-01	-0.019	0.003	4.96E-08	0.009	0.003	2.12E-02	A	G	0.000	0.003	6.50E-01
rs261342	C	G	0.003	0.007	7.36E-01	-0.107	0.006	1.47E-68	-0.045	0.006	2.53E-12	G	C	0.000	0.004	8.20E-01
rs2642438	G	A	0.035	0.004	7.32E-16	0.030	0.004	7.78E-14	-0.017	0.004	5.27E-06	A	G	0.004	0.004	3.50E-01
rs2652834	A	G	0.002	0.005	7.32E-01	-0.029	0.004	3.59E-11	0.025	0.004	1.92E-08	A	G	0.005	0.004	1.80E-01
rs267733	A	G	0.033	0.005	5.29E-09	-0.016	0.005	3.58E-03	0.003	0.005	6.16E-01	A	G	0.008	0.005	6.60E-02
rs2710642	A	G	0.024	0.004	6.09E-09	-0.010	0.004	7.69E-03	0.007	0.003	4.71E-02	G	A	-0.009	0.004	2.00E-02

	GWAS of Lipids											GWAS of eBMD				
SNP	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs2737252	G	A	0.031	0.004	7.04E-14	0.013	0.004	3.94E-03	0.009	0.004	1.07E-02	G	A	-0.038	0.004	1.90E-23
rs2923084	G	A	0.012	0.005	1.84E-02	-0.026	0.005	5.02E-08	0.012	0.004	5.97E-03	A	G	-0.003	0.004	5.80E-01
rs2925979	C	T	0.003	0.004	6.30E-01	0.035	0.004	1.32E-19	-0.021	0.004	2.14E-07	T	C	-0.002	0.004	4.40E-01
rs2954022	C	A	0.055	0.004	2.39E-47	-0.040	0.003	2.12E-29	0.078	0.003	2.23E-113	C	A	-0.005	0.003	1.70E-01
rs2980885	G	A	0.031	0.005	6.26E-11	-0.035	0.004	1.73E-14	0.058	0.004	3.00E-40	G	A	0.001	0.004	9.00E-01
rs314253	T	C	0.024	0.004	3.44E-10	-0.003	0.004	3.53E-01	0.009	0.003	2.98E-02	T	C	0.006	0.004	1.30E-01
rs3198697	T	C	0.010	0.004	6.86E-03	0.016	0.004	3.28E-05	-0.020	0.003	2.21E-08	C	T	0.004	0.003	1.70E-01
rs326214	A	G	0.007	0.005	2.04E-01	-0.061	0.005	2.17E-36	0.024	0.004	3.79E-07	G	A	0.021	0.004	6.50E-09
rs355838	T	G	0.018	0.004	3.05E-05	-0.019	0.004	4.10E-07	0.014	0.003	1.21E-04	T	G	0.001	0.003	9.30E-01
rs364585	G	A	0.025	0.004	4.28E-10	0.001	0.004	8.22E-01	-0.002	0.003	4.40E-01	A	G	0.006	0.003	1.90E-01
rs3741414	C	T	0.016	0.004	3.41E-04	-0.030	0.004	6.10E-14	0.028	0.004	1.44E-13	C	T	-0.003	0.004	3.70E-01
rs3761445	A	G	0.008	0.004	3.99E-02	-0.016	0.004	3.94E-06	0.023	0.003	8.06E-12	G	A	-0.004	0.003	1.00E-01
rs3780181	A	G	0.045	0.007	1.76E-09	0.004	0.007	5.42E-01	-0.007	0.007	4.91E-01	A	G	-0.005	0.007	4.20E-01
rs3817588	T	C	0.026	0.005	4.43E-07	-0.005	0.004	2.30E-01	0.067	0.004	1.30E-55	T	C	-0.005	0.004	1.90E-01
rs3822072	A	G	0.007	0.004	3.71E-02	-0.025	0.003	4.06E-12	0.018	0.003	5.74E-07	G	A	0.001	0.003	5.40E-01
rs38855	A	G	0.001	0.004	9.73E-01	-0.015	0.003	9.05E-05	0.019	0.003	2.11E-08	A	G	-0.006	0.003	3.90E-02
rs3996352	A	G	0.005	0.004	1.21E-01	-0.030	0.003	3.59E-17	0.018	0.003	5.88E-08	A	G	-0.003	0.003	3.20E-01
rs4075205	C	T	0.012	0.004	8.21E-04	-0.022	0.004	3.54E-09	0.009	0.003	5.16E-02	T	C	0.002	0.003	5.20E-01
rs4148005	G	T	0.015	0.004	1.49E-04	-0.028	0.004	5.74E-14	0.007	0.004	4.37E-02	T	G	0.007	0.004	9.10E-02

	GWAS of Lipids										GWAS of eBMD				
SNP	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs4148218	G	A	0.044	0.005	6.76E-21	-0.003	0.004	4.56E-01	0.004	0.004	2.95E-01	G	A	-0.001	0.004	8.30E-01
rs4240624	A	G	0.067	0.006	2.62E-23	0.082	0.006	1.32E-45	-0.028	0.006	1.09E-06	G	A	0.048	0.006	4.20E-18
rs4332136	C	G	-0.043	0.098	6.60E-01	0.480	0.065	1.00E-13	0.024	0.053	6.50E-01	G	C	-0.022	0.019	1.50E-01
rs442177	T	G	0.016	0.004	6.09E-05	-0.022	0.003	2.19E-09	0.031	0.003	1.32E-18	G	T	-0.011	0.003	4.20E-04
rs4465830	G	A	0.009	0.005	5.99E-02	-0.060	0.004	5.18E-40	0.053	0.004	2.98E-34	A	G	-0.012	0.004	1.90E-03
rs4530754	A	G	0.028	0.004	3.58E-12	0.001	0.003	9.34E-01	0.002	0.003	7.42E-01	G	A	0.013	0.003	2.60E-04
rs4587594	G	A	0.049	0.004	1.63E-32	0.015	0.004	1.08E-04	0.069	0.004	3.50E-82	G	A	0.000	0.003	7.20E-01
rs4650994	A	G	0.003	0.004	3.38E-01	-0.021	0.003	6.70E-09	0.002	0.003	3.98E-01	G	A	0.000	0.003	9.90E-01
rs4660293	G	A	0.011	0.004	1.23E-02	-0.035	0.004	2.86E-18	0.020	0.004	2.87E-07	A	G	-0.007	0.004	9.30E-02
rs4722551	C	T	0.039	0.005	3.95E-14	0.010	0.005	2.47E-02	-0.027	0.004	1.58E-09	T	C	-0.001	0.005	6.90E-01
rs4791641	C	T	0.020	0.004	1.31E-07	0.004	0.003	9.51E-02	-0.003	0.003	4.59E-01	C	T	0.002	0.003	4.00E-01
rs4846914	G	A	0.004	0.004	2.34E-01	-0.048	0.003	3.51E-41	0.040	0.003	7.20E-31	G	A	0.000	0.003	7.40E-01
rs4871137	G	T	0.004	0.004	2.36E-01	0.021	0.004	1.93E-07	0.001	0.004	6.56E-01	G	T	0.007	0.004	6.60E-02
rs4917014	G	T	0.005	0.004	2.46E-01	0.022	0.004	1.03E-08	-0.001	0.004	8.87E-01	T	G	-0.003	0.004	5.80E-01
rs4921914	C	T	0.023	0.004	1.92E-07	0.002	0.004	3.94E-01	0.035	0.004	4.87E-17	C	T	0.006	0.004	1.40E-01
rs492571	T	C	0.003	0.01	4.72E-01	0.066	0.009	1.27E-12	-0.080	0.009	6.74E-17	T	C	-0.002	0.008	7.20E-01
rs492602	G	A	0.029	0.004	9.42E-14	-0.003	0.004	4.27E-01	0.014	0.004	2.48E-04	A	G	0.011	0.003	2.30E-03
rs4939883	C	T	0.021	0.005	1.47E-05	0.080	0.005	1.80E-66	0.005	0.004	3.81E-01	T	C	-0.004	0.004	3.50E-01
rs4942486	T	C	0.024	0.004	2.26E-11	-0.014	0.003	1.16E-04	0.007	0.003	2.38E-02	T	C	0.000	0.003	7.70E-01

	GWAS of Lipids										GWAS of eBMD				
SNP	**EA**	**NEA**	**LDL-C**			**HDL-C**			**Triglycerides**			**EA**	**NEA**	**beta**	**se**	**p**
			beta	**se**	**p**	**beta**	**se**	**p**	**beta**	**se**	**p**					
rs4969178	G	A	0.011	0.004	8.20E-03	0.026	0.004	1.53E-12	-0.018	0.003	5.70E-06	A	G	0.014	0.004	1.90E-05
rs4976033	A	G	0.001	0.004	8.75E-01	0.022	0.004	6.42E-08	-0.014	0.004	2.01E-04	A	G	-0.008	0.003	6.50E-02
rs4983559	G	A	0.003	0.004	5.83E-01	0.020	0.004	9.57E-09	0.000	0.004	9.71E-01	G	A	0.002	0.003	3.30E-01
rs499974	A	C	0.001	0.005	8.26E-01	-0.026	0.004	1.12E-08	-0.009	0.004	5.41E-02	C	A	-0.007	0.005	1.40E-01
rs515135	C	T	0.139	0.005	1.09E-178	-0.011	0.004	9.01E-03	0.019	0.004	1.36E-04	T	C	0.010	0.004	2.90E-02
rs5763662	T	C	0.077	0.012	1.19E-08	0.033	0.011	6.37E-03	0.000	0.011	8.88E-01	C	T	0.026	0.011	4.60E-02
rs579459	C	T	0.067	0.005	2.42E-44	0.015	0.004	1.68E-03	-0.014	0.004	1.08E-03	T	C	0.026	0.004	4.50E-12
rs5880	C	G	0.047	0.01	1.59E-06	-0.307	0.009	1.37E-233	0.048	0.009	4.71E-08	G	C	-0.003	0.007	8.10E-01
rs6016381	T	C	0.036	0.004	6.85E-20	-0.008	0.004	6.08E-02	0.014	0.003	1.99E-05	T	C	-0.003	0.004	4.50E-01
rs603446	C	T	0.009	0.004	1.14E-02	-0.002	0.004	8.73E-01	0.050	0.003	3.92E-43	C	T	0.001	0.003	8.50E-01
rs6065311	C	T	0.042	0.004	1.66E-30	0.002	0.003	4.37E-01	0.006	0.003	2.27E-02	T	C	0.004	0.003	1.90E-01
rs634869	T	C	0.013	0.004	8.37E-04	-0.023	0.003	1.00E-10	0.027	0.003	1.78E-14	T	C	-0.006	0.003	1.20E-01
rs6450176	A	G	0.010	0.004	1.18E-02	-0.025	0.004	6.88E-10	0.019	0.004	3.61E-07	G	A	0.001	0.004	9.40E-01
rs646776	T	C	0.160	0.004	1.63E-272	-0.034	0.004	2.72E-15	0.003	0.004	3.73E-01	C	T	0.013	0.004	4.30E-03
rs6489818	A	G	0.028	0.005	4.57E-09	0.000	0.005	9.28E-01	-0.004	0.004	5.40E-01	G	A	-0.001	0.004	9.50E-01
rs6511720	G	T	0.221	0.006	3.85E-262	-0.025	0.006	6.32E-05	0.008	0.006	1.04E-01	G	T	-0.005	0.005	2.00E-01
rs653178	T	C	0.023	0.004	3.88E-09	0.026	0.004	1.06E-12	-0.010	0.003	2.88E-02	C	T	0.007	0.003	2.50E-02
rs6544713	T	C	0.081	0.004	4.84E-83	-0.003	0.004	3.88E-01	0.013	0.004	9.60E-04	T	C	-0.003	0.004	3.80E-01
rs6603981	T	C	0.034	0.004	3.10E-13	0.004	0.004	3.81E-01	0.007	0.004	1.74E-01	C	T	0.009	0.004	2.10E-02

	GWAS of Lipids										GWAS of eBMD				
SNP	**EA**	**NEA**	**LDL-C**			**HDL-C**			**Triglycerides**			**EA**	**NEA**	**beta**	**se**	**p**
			beta	**se**	**p**	**beta**	**se**	**p**	**beta**	**se**	**p**					
rs6680658	G	A	0.006	0.005	2.18E-01	-0.023	0.004	7.49E-08	0.017	0.004	1.44E-05	G	A	-0.001	0.004	7.10E-01
rs6805251	T	C	0.012	0.004	1.86E-03	0.020	0.004	1.33E-08	-0.001	0.003	9.94E-01	T	C	-0.008	0.003	3.10E-02
rs6831256	G	A	0.019	0.004	9.07E-07	-0.013	0.004	2.97E-03	0.026	0.004	1.60E-12	A	G	0.008	0.003	2.60E-02
rs6859	A	G	0.084	0.004	4.65E-88	-0.018	0.004	7.73E-06	0.014	0.004	8.10E-05	A	G	-0.006	0.003	1.30E-01
rs686030	A	C	0.009	0.005	2.36E-01	0.055	0.005	4.29E-27	0.025	0.005	2.23E-07	C	A	0.003	0.005	5.30E-01
rs687339	T	C	0.011	0.005	9.97E-03	-0.032	0.004	7.11E-13	0.029	0.004	2.51E-12	C	T	-0.002	0.004	4.30E-01
rs688	T	C	0.054	0.004	1.01E-43	-0.011	0.003	1.55E-03	0.004	0.003	2.18E-01	C	T	0.000	0.003	7.20E-01
rs6882076	C	T	0.046	0.004	3.31E-31	0.002	0.004	6.85E-01	0.029	0.004	1.51E-15	T	C	0.003	0.003	6.30E-01
rs702485	G	A	0.001	0.004	7.87E-01	0.024	0.003	6.45E-12	-0.002	0.003	4.75E-01	A	G	-0.001	0.003	9.90E-01
rs7033354	C	T	0.019	0.004	1.42E-06	-0.015	0.004	6.54E-05	0.019	0.003	4.44E-07	C	T	-0.005	0.004	2.30E-01
rs7117842	C	T	0.019	0.004	7.56E-07	0.027	0.004	1.06E-14	-0.002	0.003	5.43E-01	T	C	-0.003	0.004	4.00E-01
rs7225700	C	T	0.030	0.004	3.56E-13	0.010	0.004	2.35E-02	-0.005	0.004	2.36E-01	T	C	0.012	0.004	1.10E-04
rs7254892	G	A	0.485	0.012	3.85E-326	-0.053	0.011	4.17E-05	-0.124	0.011	1.40E-24	G	A	-0.016	0.010	9.10E-02
rs7264396	C	T	0.025	0.005	4.41E-08	0.005	0.004	6.02E-02	0.011	0.004	2.58E-03	C	T	0.003	0.004	3.20E-01
rs731839	A	G	0.002	0.004	5.17E-01	0.022	0.004	3.44E-09	-0.022	0.004	2.65E-09	G	A	-0.002	0.004	5.00E-01
rs7422339 (merged to rs1047891)	A	C	0.008	0.004	1.42E-01	-0.027	0.004	8.73E-10	0	0.004	8.60E-01	C	A	0.008062	0.003584	5.90E-02
rs749671	G	A	0.015	0.004	1.05E-04	-0.007	0.004	9.57E-02	0.021	0.003	6.11E-10	G	A	-0.007	0.003	2.20E-02

	GWAS of Lipids											GWAS of eBMD				
SNP	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p
			beta	se	p	beta	se	p	beta	se	p					
rs7607980	T	C	0.007	0.006	2.88E-01	-0.045	0.005	1.81E-15	0.036	0.005	2.41E-12	T	C	0.001	0.005	9.20E-01
rs7640978	C	T	0.039	0.007	9.84E-09	0.000	0.006	7.22E-01	0.018	0.006	5.54E-03	C	T	-0.018	0.006	3.60E-04
rs7703051	A	C	0.073	0.004	1.40E-77	0.002	0.004	4.21E-01	0.006	0.003	1.63E-01	C	A	0.010	0.003	8.90E-04
rs7832643	T	G	0.034	0.004	2.67E-17	-0.001	0.004	5.95E-01	0.002	0.003	4.72E-01	G	T	-0.008	0.003	2.00E-02
rs7897379	C	T	0.010	0.004	4.07E-03	0.019	0.003	1.31E-08	-0.027	0.003	1.27E-17	T	C	0.004	0.003	1.60E-01
rs799160	T	C	0.005	0.004	2.86E-01	-0.013	0.004	2.94E-04	0.040	0.004	5.46E-30	C	T	0.002	0.003	4.30E-01
rs8017377	A	G	0.030	0.004	2.52E-15	-0.004	0.004	4.34E-01	0.006	0.004	1.42E-01	G	A	-0.001	0.003	5.10E-01
rs8077889	C	A	0.001	0.005	9.15E-01	-0.021	0.004	1.50E-06	0.025	0.004	9.88E-09	A	C	-0.018	0.004	3.70E-06
rs8176720	T	C	0.033	0.004	1.59E-17	0.001	0.004	9.43E-01	-0.007	0.004	6.09E-02	T	C	-0.007	0.004	3.50E-02
rs838876	G	A	0.003	0.004	4.42E-01	-0.049	0.004	7.33E-33	0.005	0.004	3.77E-01	A	G	-0.005	0.004	1.10E-01
rs868943	G	A	0.026	0.004	8.44E-11	0.008	0.004	3.55E-02	0.014	0.003	3.18E-04	G	A	0.003	0.003	4.10E-01
rs894210	G	A	0.007	0.004	1.22E-01	-0.069	0.003	1.68E-84	0.067	0.003	2.94E-89	G	A	0.006	0.003	3.70E-02
rs903319	C	T	0.027	0.004	5.22E-11	0.010	0.004	1.22E-02	-0.005	0.004	1.38E-01	T	C	-0.003	0.004	2.90E-01
rs931992	T	G	0.002	0.006	7.03E-01	0.029	0.005	4.20E-07	-0.009	0.005	1.33E-01	G	T	0.000	0.004	9.20E-01
rs9491696	G	C	0.006	0.004	2.64E-01	-0.020	0.003	5.21E-10	0.018	0.003	4.87E-07	C	G	-0.062	0.003	2.20E-82
rs952044	C	T	0.003	0.004	5.79E-01	0.023	0.004	1.19E-08	-0.010	0.004	2.45E-03	C	T	-0.012	0.004	2.20E-04
rs9686661	T	C	0.018	0.005	5.29E-04	-0.028	0.004	1.37E-08	0.038	0.004	2.54E-16	C	T	-0.010	0.004	2.30E-02
rs9693857	C	T	0.005	0.004	2.98E-01	0.004	0.004	5.27E-01	-0.020	0.003	1.69E-08	C	T	0.027	0.003	2.20E-15
rs970548	C	A	0.016	0.004	6.65E-04	0.026	0.004	1.71E-10	0.003	0.004	4.59E-01	A	C	0.002	0.004	9.90E-01

	GWAS of Lipids										GWAS of eBMD				
SNP	**EA**	**NEA**	**LDL-C**			**HDL-C**			**Triglycerides**			**EA**	**NEA**	**beta**	**se**	**p**
			beta	**se**	**p**	**beta**	**se**	**p**	**beta**	**se**	**p**					
rs9875338	G	A	0.027	0.004	2.21E-11	0.007	0.004	2.10E-02	0.014	0.003	1.62E-05	G	A	-0.008	0.003	1.50E-02
rs9930333	T	G	0.000	0.004	7.18E-01	0.020	0.004	2.07E-08	-0.021	0.004	3.25E-08	T	G	-0.019	0.003	1.40E-08
rs998584	A	C	0.001	0.004	9.36E-01	-0.026	0.004	2.27E-11	0.029	0.004	3.42E-15	C	A	-0.011	0.003	1.90E-04
rs9989419	A	G	0.028	0.004	2.49E-12	-0.147	0.004	0.00E+00	0.024	0.004	1.05E-11	A	G	-0.010	0.003	7.20E-03

EA: effect allele; NEA: non-effect allele; beta: effect size; se: standard error for beta; p: p-value

Supplementary Table 3. Summary statistics of 68 SNPs included in the Mendelian Randomization analysis to examine the causal effects of total body bone mineral density (TB-BMD) on low-density lipoprotein cholesterol (LDL-C).

The summary statistics with regard to TB-BMD were extracted from a GWAS meta-analysis(4) while the summary statistics for LDL-C were extracted from the meta-analysis of GWAS conducted by the Global Lipids Genetics Consortium(3).

SNP	GWAS of TB-BMD					GWAS of lipids										Original SNP in TB-BMD dataset	r2
						EA	NEA	LDL-C			HDL-C			Tryglicerides			
	EA	NEA	beta	se	p			beta	se	p	beta	se	p	beta	se	p	(For proxies only)	
rs10048146	A	G	0.0477	0.0075	2.1E-10	G	A	0.0051	0.0071	0.3914	0.0112	0.0065	0.04564	0.0036	0.0063	0.8269	rs71390846	1
rs10259383	T	C	0.0284	0.0057	6.2E-07	C	T	0.0054	0.0053	0.2821	0.0003	0.0049	0.7973	-0.0014	0.0047	0.6085	rs56335989	1
rs10276139	T	C	-0.0329	0.0073	7.7E-06	T	C	0.011	0.0069	0.1035	-0.0039	0.0063	0.2929	-0.0017	0.0061	0.7751	rs28457747	1
rs10490046	A	C	0.0429	0.0067	1.4E-10	C	A	0.0123	0.0062	0.07489	-0.0086	0.0058	0.397	0.0087	0.0057	0.1386		
rs10493013	T	C	-0.1013	0.0074	4.1E-43	C	T	0.0057	0.007	0.2219	-0.0091	0.0064	0.1016	0.0138	0.0062	0.02154	rs34920465	1
rs10767632	C	G	0.0452	0.0058	8.7E-15	G	C	0.0034	0.0054	0.7506	0.0072	0.0049	0.1159	0.0005	0.0048	0.8883	rs10450586	1
rs10777212	T	G	0.0452	0.006	5.1E-14	G	T	0.0036	0.0056	0.6069	-0.0039	0.0051	0.5308	0.0117	0.0049	0.03882		
rs10783575	T	C	0.0534	0.0063	1.4E-17	C	T	0.0053	0.0058	0.5183	-0.0114	0.0053	0.06945	0.0124	0.0052	0.01622	rs12424778	1
rs10788264	A	G	-0.0338	0.0057	2.6E-09	A	G	0.002	0.0053	0.957	0.0069	0.0049	0.04741	-0.007	0.0048	0.02661		
rs10857805	A	T	0.0338	0.0057	4E-09	T	A	0.0115	0.0053	0.03552	-0.0156	0.0048	0.00154	0.0121	0.0047	0.00136	rs7364724	1
rs11023718	T	C	0.1123	0.0158	1E-12	T	C	0.018	0.0155	0.2534	0.0286	0.0145	0.03615	-0.0018	0.0141	0.6832		
rs11097176	T	C	0.0617	0.0063	1.4E-22	T	C	0.0039	0.0058	0.3358	0.0007	0.0053	0.7198	0.0059	0.0052	0.3895	rs11934731	0.87543
rs11155797	T	C	0.0722	0.0058	4.6E-36	C	T	0.015	0.0054	0.00463	-0.0045	0.0049	0.4976	0.0082	0.0048	0.09921	rs6557155	1
rs11612304	T	C	0.0363	0.0071	3.5E-07	T	C	0.0039	0.0063	0.2705	-0.0139	0.0058	0.0233	0.0156	0.0057	0.02523	rs73200209	1

SNP	GWAS of TB-BMD					GWAS of lipids										Original SNP in TB-BMD dataset (For proxies only)	r2
						EA	NEA	LDL-C			HDL-C			Tryglicerides				
	EA	NEA	beta	se	p			beta	se	p	beta	se	p	beta	se	p		
rs11745493	A	G	0.0445	0.0065	7.8E-12	G	A	0.0097	0.0059	0.09306	-0.0069	0.0054	0.1385	0.0034	0.0053	0.672		
rs11910328	A	G	-0.0429	0.0077	3E-08	G	A	0.0004	0.0073	0.7603	0.0029	0.0067	0.9224	0.0085	0.0066	0.2115		
rs11995824	C	G	0.0675	0.0058	1.1E-31	G	C	0.0025	0.0052	0.9936	-0.0011	0.0048	0.6982	-0.0032	0.0047	0.6128		
rs12271290	T	C	-0.0781	0.0065	1.6E-33	T	C	0.0041	0.006	0.3336	0.0012	0.0055	0.8855	0.0009	0.0053	0.5321	rs11228240	0.95131
rs12800049	T	C	0.0525	0.0065	5.5E-16	C	T	0.0106	0.006	0.04135	0.0044	0.0055	0.4471	0.0022	0.0053	0.6163		
rs1286079	T	C	0.0551	0.0072	2.5E-14	T	C	0.0004	0.0066	0.7991	0.0077	0.006	0.6015	-0.0007	0.006	0.8515		
rs12943500	T	C	-0.0374	0.0058	1.2E-10	C	T	0.0032	0.0053	0.4191	-0.0109	0.0049	0.06359	0.0136	0.0048	0.0083	rs8070624	1
rs13204965	A	C	0.0619	0.007	1E-18	C	A	0.0022	0.0069	0.6983	-0.0069	0.0063	0.4767	0.0045	0.0061	0.5786		
rs1366594	A	C	0.0484	0.0057	2.4E-17	A	C	0.0005	0.0054	0.9078	0.0041	0.0049	0.4532	-0.006	0.0048	0.3454		
rs1414660	T	C	0.0567	0.0076	8.9E-14	C	T	0.0018	0.008	0.7617	0.0059	0.0074	0.8685	0.0006	0.0071	0.9418	rs12044944	1
rs1524058	T	C	-0.0473	0.0057	1.9E-16	T	C	0.0052	0.0053	0.6138	0.0059	0.0049	0.2521	-0.0042	0.0048	0.6556		
rs1545161	A	G	0.0405	0.0057	1.1E-12	A	G	0.0053	0.0037	0.09406	-0.0052	0.0035	0.1018	0.0085	0.0034	0.0277		
rs1548607	A	G	0.0363	0.0066	4.2E-08	A	G	0.0046	0.0072	0.546	0.004	0.0066	0.5181	-0.0009	0.0064	0.5487		
rs1550431	A	G	-0.0475	0.0085	2.7E-08	A	G	0.006	0.0082	0.5308	0.0022	0.0075	0.8771	-0.0006	0.0072	0.7049	rs78572108	0.9517
rs16953045	T	G	-0.0246	0.0075	0.00102	G	T	0.0011	0.0069	0.8237	0.0002	0.0063	0.91	-0.0028	0.0062	0.4752	rs34293575	1
rs17132763	A	G	0.091	0.0112	3.5E-16	A	G	0.0154	0.0112	0.2179	-0.0042	0.0103	0.4876	0.0098	0.01	0.3448	rs73717393	1
rs2041490	C	G	0.011	0.0074	0.1395	C	G	0.0027	0.007	0.5428	0.0137	0.0064	0.0133	-0.0052	0.0063	0.6006		
rs2043230	A	T	0.0322	0.0057	1.3E-08	A	T	0.0128	0.0053	0.02288	-0.0029	0.0049	0.4028	0.0048	0.0048	0.1173		
rs2052153	T	G	0.0357	0.0061	4.2E-09	G	T	0.0161	0.0057	0.00757	-0.0072	0.0052	0.2958	0.0097	0.005	0.1201	rs9907056	1

SNP	GWAS of TB-BMD					GWAS of lipids											Original SNP in TB-BMD dataset (For proxies only)	r2
						EA	NEA	LDL-C			HDL-C			Tryglicerides				
	EA	NEA	beta	se	p			beta	se	p	beta	se	p	beta	se	p		
rs2280243	T	G	-0.0313	0.0062	3.5E-07	G	T	0.0061	0.0056	0.3181	-0.0017	0.0051	0.8632	0.0051	0.005	0.4312	rs10048745	0.82359
rs2306032	C	G	-0.0457	0.006	2.2E-14	C	G	0.0161	0.0041	7.6E-05	-0.022	0.0038	5E-08	0.0211	0.0038	2.9E-07	rs10838622	0.97152
rs2350085	T	C	-0.0643	0.0085	3.8E-14	C	T	0.0094	0.0091	0.1673	-0.0091	0.0082	0.252	0.0111	0.0082	0.2593	rs6716216	1
rs2414095	A	G	-0.0326	0.0059	3.8E-08	A	G	0.0014	0.0054	0.926	0.0054	0.005	0.2429	0.0025	0.0049	0.5879		
rs2553773	C	G	-0.037	0.0058	1.5E-10	C	G	0.0065	0.0053	0.3859	-0.0019	0.0049	0.4734	0.0037	0.0048	0.3343		
rs2908007	A	G	-0.0912	0.0059	1.2E-53	A	G	0.0097	0.0059	0.04495	0.0096	0.0054	0.06969	0.0008	0.0053	0.8796	rs2536195	0.93315
rs2941741	A	G	0.0571	0.0057	3.1E-23	G	A	0.003	0.0053	0.3338	-0.0148	0.0048	0.00719	0.007	0.0047	0.1436		
rs344051	A	C	0.047	0.0066	1.1E-12	C	A	0.0017	0.0059	0.7022	0.0058	0.0055	0.317	0.0065	0.0054	0.4853	rs344024	1
rs3743347	A	C	0.0519	0.0068	1.8E-14	C	A	0.0112	0.0062	0.05107	-0.0002	0.0057	0.6271	-0.0013	0.0056	0.8767	rs12901789	1
rs3755955	A	G	-0.0737	0.0082	2.1E-19	G	A	0.0089	0.0082	0.4214	0	0.0077	0.9248	0.0016	0.0074	0.9322	rs6831280	1
rs3801387	A	G	-0.1347	0.0063	1E-100	A	G	0.0067	0.0058	0.1019	0.0025	0.0054	0.5222	-0.0019	0.0053	0.6791		
rs415997	A	C	0.0698	0.0057	6.6E-35	A	C	0.0065	0.0052	0.1499	-0.0071	0.0048	0.6989	0.0056	0.0047	0.2224		
rs4729260	C	G	0.0745	0.0062	1.4E-33	C	G	0.0094	0.0058	0.1335	-0.0094	0.0053	0.08502	0.0041	0.0052	0.381	rs6965122	0.97384
rs4731006	T	G	-0.0476	0.006	1.5E-15	T	G	0.0009	0.0054	0.9144	-0.0062	0.0049	0.3099	-0.0033	0.0048	0.3969		
rs505404	T	G	-0.0507	0.0067	2.4E-14	T	G	0.0026	0.0061	0.5058	0.0018	0.0056	0.8996	0.0024	0.0055	0.6572		
rs634277	A	G	0.0607	0.0061	2.2E-23	G	A	0.0084	0.0056	0.2061	-0.0058	0.0052	0.4897	-0.0008	0.0051	0.9416		
rs6539288	A	T	-0.0402	0.0057	2E-12	T	A	0.0008	0.0052	0.9686	-0.0055	0.0048	0.1835	0.0035	0.0047	0.194		
rs6726762	A	G	-0.0469	0.0071	3.4E-11	G	A	0.0091	0.0081	0.2555	-0.0093	0.0076	0.3489	-0.0001	0.0072	0.7466	rs12621139	0.85705
rs7070913	A	G	-0.068	0.0087	5.7E-15	G	A	0.0068	0.0084	0.4397	0.004	0.0077	0.4716	0.0055	0.0074	0.794	rs12258451	1

SNP	GWAS of TB-BMD					GWAS of lipids										Original SNP in TB-BMD dataset (For proxies only)	r2
						EA	NEA	LDL-C			HDL-C			Tryglicerides				
	EA	NEA	beta	se	p			beta	se	p	beta	se	p	beta	se	p		
rs7209460	T	C	0.0393	0.0063	3.5E-10	C	T	0.0128	0.0058	0.05309	0.0081	0.0053	0.2046	0.0092	0.0052	0.102		
rs7269017	A	T	-0.0358	0.0056	2E-10	A	T	0.0011	0.0053	0.8571	0.0029	0.0049	0.7932	0.0055	0.0047	0.6171	rs6040063	1
rs7277076	T	C	0.0305	0.0058	1.2E-07	C	T	0.0071	0.0057	0.1646	-0.0086	0.0053	0.2389	0.0076	0.0051	0.4528		
rs73430670	A	G	-0.0329	0.0066	5.3E-07	A	G	0.0023	0.006	0.776	0.017	0.0057	0.00454	-0.013	0.0055	0.00691	rs1352479	1
rs7466269	A	G	0.0455	0.006	2.4E-14	A	G	0.0066	0.0038	0.08279	-0.0089	0.0035	0.00349	0.0065	0.0034	0.2162	rs10901216	1
rs7521902	A	C	-0.0664	0.0067	3.3E-23	C	A	0.0005	0.0045	0.569	-0.0007	0.0042	0.6569	0.0013	0.0041	0.8337	rs3971300	0.87825
rs7586085	A	G	0.0532	0.0057	8.6E-21	A	G	0.0048	0.0052	0.3178	-0.0026	0.0048	0.9305	0.0023	0.0047	0.6328		
rs7741085	T	C	0.0423	0.0057	1.5E-13	T	C	0.001	0.0052	0.6824	-0.0004	0.0048	0.7361	0.0053	0.0047	0.3967		
rs7800583	A	G	-0.0324	0.0058	1.8E-08	G	A	0.0003	0.0053	0.6932	0.001	0.0049	0.8009	0.0007	0.0048	0.7693	rs3757493	1
rs7812088	A	G	0.0575	0.0087	3.5E-11	A	G	0.0012	0.0081	0.7951	-0.0144	0.0074	0.07804	-0.0022	0.0071	0.9729	rs10233479	0.95151
rs7926837	A	G	-0.0564	0.0069	4E-16	A	G	0.0021	0.0063	0.7021	0.0005	0.0058	0.7001	-0.0013	0.0057	0.9037		
rs884205	A	C	-0.0531	0.0068	4.4E-15	A	C	0.0077	0.0062	0.365	-0.0079	0.0057	0.1779	-0.0017	0.0056	0.569		
rs9482772	T	C	-0.0358	0.0058	4.9E-10	C	T	0.0082	0.0051	0.1273	-0.0227	0.0049	1.5E-05	0.0151	0.0047	0.00181		
rs9594738	T	C	-0.0614	0.0057	3.8E-27	T	C	0.0095	0.0053	0.1579	-0.0011	0.0049	0.6748	0.005	0.0048	0.5716		
rs9910055	T	C	0.0442	0.0067	3.1E-11	C	T	0.0036	0.0061	0.5787	-0.0016	0.0056	0.3014	0.0045	0.0055	0.532		
rs9976876	T	G	-0.0375	0.0058	8E-11	T	G	0.0021	0.0054	0.5544	-0.0001	0.0049	0.9359	0.0004	0.0048	0.4302		

EA: effect allele; NEA: non-effect allele; beta: effect size; se: standard error for beta; p: p-value

Supplementary Table 4. Summary statistics of 221 SNPs included in the Mendelian Randomization analysis to examine the causal effects of estimated bone mineral density (eBMD) on low-density lipoprotein cholesterol (LDL-C).

The summary statistics with regard to eBMD were extracted from a genome-wide association study (GWAS) conducted in UK Biobank participants(5) while the summary statistics for LDL-C were extracted from the meta-analysis of GWAS conducted by the Global Lipids Genetics Consortium(3).

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs10022648	A	G	0.0229	0.0035	3.10E-11	G	A	0.0001	0.0053	6.34E-01	0.0008	0.0049	9.15E-01	0.0021	0.0048	5.12E-01		
rs10048146	A	G	0.0378	0.0043	2.00E-19	G	A	0.0051	0.0071	3.91E-01	0.0112	0.0065	4.56E-02	0.0036	0.0063	8.27E-01	rs71390846	1
rs10049090	G	A	0.0301	0.0036	2.50E-17	A	G	0.0032	0.0056	4.64E-01	0.0183	0.0051	1.21E-03	-0.0107	0.0050	5.22E-02	rs56082403	1
rs1005502	C	T	0.0253	0.0039	6.40E-11	T	C	0.0103	0.0062	2.17E-01	0.0001	0.0058	7.94E-01	0.0048	0.0056	9.22E-01		
rs10066754	C	T	-0.0360	0.0057	2.00E-10	T	C	0.0023	0.0101	8.75E-01	-0.0015	0.0093	8.90E-01	-0.0073	0.0090	3.17E-01	rs28744551	0.939683
rs1015670	G	A	0.0204	0.0034	8.30E-10	G	A	0.0091	0.0053	8.56E-02	0.0030	0.0048	3.85E-01	0.0034	0.0047	1.96E-01	rs4806832	0.904924
rs10206992	T	G	0.0241	0.0038	7.70E-10	T	G	0.0081	0.0059	2.00E-01	-0.0064	0.0055	2.98E-01	0.0036	0.0053	4.66E-01		
rs10244184	T	C	0.0336	0.0038	3.10E-19	T	C	0.0027	0.0055	7.31E-01	0.0016	0.0052	7.02E-01	-0.0018	0.0051	6.64E-01		
rs10411210	C	T	-0.0998	0.0058	6.00E-70	T	C	0.0121	0.0062	4.22E-02	0.0049	0.0057	2.79E-01	-0.0082	0.0057	1.78E-01	rs7255601	0.860294
rs1046033	A	G	0.0238	0.0034	1.30E-13	G	A	0.0027	0.0053	5.58E-01	0.0026	0.0048	4.33E-01	-0.0105	0.0047	3.65E-02	rs2542710	1
rs1048932	C	A	-0.0400	0.0034	1.80E-33	C	A	0.0030	0.0037	6.20E-01	0.0001	0.0034	9.83E-01	0.0030	0.0033	2.79E-01		

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs10490046	A	C	0.0327	0.0040	3.20E-17	C	A	0.0123	0.0062	7.49E-02	-0.0086	0.0058	3.97E-01	0.0087	0.0057	1.39E-01		
rs1057079	C	T	-0.0219	0.0038	1.10E-09	C	T	0.0052	0.0059	6.48E-01	0.0055	0.0054	2.52E-01	0.0017	0.0053	9.09E-01	rs75077113	0.875427
rs10749451	C	T	0.0193	0.0034	3.20E-08	T	C	0.0023	0.0052	7.94E-01	0.0042	0.0048	1.42E-01	-0.0002	0.0047	5.40E-01	rs7069328	1
rs10777221	T	C	-0.0563	0.0034	2.10E-62	T	C	0.0015	0.0054	8.84E-01	-0.0038	0.0049	5.63E-01	0.0101	0.0048	4.38E-02	rs10858944	1
rs10784484	G	A	0.0267	0.0040	3.00E-13	A	G	0.0014	0.0064	8.82E-01	-0.0096	0.0058	7.94E-02	0.0025	0.0057	5.64E-01	rs11832031	0.969102
rs1078514	C	T	0.0238	0.0036	1.40E-11	T	C	0.0035	0.0058	6.76E-01	0.0000	0.0053	7.41E-01	0.0031	0.0052	8.88E-01		
rs10790256	C	T	0.0286	0.0040	4.00E-13	C	T	0.0078	0.0062	1.05E-01	-0.0004	0.0057	8.23E-01	-0.0012	0.0056	8.59E-01	rs10790255	0.884199
rs10800531	A	T	-0.0213	0.0034	6.60E-11	A	T	0.0065	0.0054	8.31E-02	0.0022	0.0050	7.29E-01	-0.0007	0.0048	5.53E-01	rs35363078	0.977427
rs10835489	G	A	0.0280	0.0049	1.10E-07	G	A	0.0022	0.0076	6.10E-01	-0.0242	0.0070	2.43E-03	0.0222	0.0069	3.39E-04		
rs10885447	G	A	-0.0263	0.0041	2.30E-10	A	G	0.0011	0.0064	9.74E-01	0.0162	0.0059	5.75E-02	0.0019	0.0057	7.26E-01		
rs10943130	C	T	0.0228	0.0034	1.30E-12	C	T	0.0011	0.0052	9.30E-01	-0.0031	0.0048	6.49E-01	0.0004	0.0047	6.64E-01		
rs10992867	G	A	-0.0312	0.0039	2.50E-17	G	A	0.0002	0.0058	9.28E-01	-0.0016	0.0054	7.49E-01	0.0050	0.0052	5.96E-01		
rs11029901	A	G	0.0453	0.0035	2.70E-41	G	A	0.0058	0.0053	4.09E-01	0.0069	0.0049	1.64E-01	0.0007	0.0048	8.76E-01		
rs11067228	A	G	-0.0225	0.0034	1.90E-11	G	A	0.0047	0.0057	6.45E-01	-0.0068	0.0053	3.23E-01	0.0040	0.0051	2.42E-01		
rs11133474	C	T	-0.0220	0.0036	7.20E-10	T	C	0.0078	0.0055	2.30E-01	-0.0025	0.0051	9.35E-01	0.0004	0.0049	9.82E-01		
rs1116470	T	C	-0.0286	0.0034	1.80E-18	T	C	0.0063	0.0052	3.41E-01	-0.0008	0.0048	6.25E-01	0.0038	0.0047	3.33E-01	rs34136481	1
rs11209240	A	C	-0.0408	0.0046	4.50E-21	C	A	0.0013	0.0051	5.83E-01	0.0010	0.0048	8.76E-01	-0.0017	0.0047	7.70E-01		
rs1150442	T	C	-0.0319	0.0039	2.10E-16	T	C	0.0014	0.0043	7.69E-01	-0.0065	0.0039	6.54E-02	0.0097	0.0039	7.26E-03	rs3092018	1

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs1159798	A	C	0.0687	0.0040	8.80E-67	A	C	0.0075	0.0098	2.88E-01	-0.0125	0.0092	1.77E-01	0.0186	0.0089	5.97E-02		
rs11636403	C	T	-0.0347	0.0034	6.80E-23	C	T	0.0006	0.0053	8.52E-01	0.0022	0.0049	8.58E-01	0.0075	0.0048	6.88E-02		
rs11637971	A	C	-0.0269	0.0037	1.20E-14	C	A	0.0013	0.0057	5.76E-01	-0.0015	0.0052	6.14E-01	0.0085	0.0051	6.32E-02		
rs11643929	C	T	0.0171	0.0036	4.00E-06	T	C	0.0069	0.0055	3.05E-01	-0.0014	0.0051	5.89E-01	0.0044	0.0050	3.68E-01		
rs11692042	T	C	-0.0203	0.0035	3.30E-09	T	C	0.0009	0.0055	7.62E-01	0.0024	0.0051	8.59E-01	0.0014	0.0050	9.76E-01	rs34588551	1
rs11826287	T	C	0.0346	0.0043	7.80E-17	T	C	0.0027	0.0072	6.90E-01	-0.0031	0.0066	6.29E-01	-0.0066	0.0064	4.41E-01	rs11228219	1
rs11875132	T	C	0.0244	0.0034	2.10E-12	C	T	0.0052	0.0056	5.18E-01	-0.0007	0.0051	4.31E-01	-0.0022	0.0051	9.06E-01		
rs11894053	A	G	-0.0513	0.0041	2.00E-37	A	G	0.0004	0.0065	9.66E-01	-0.0007	0.0060	8.90E-01	0.0068	0.0058	7.66E-01	rs7576689	1
rs11915970	A	T	-0.0384	0.0052	3.70E-14	T	A	0.0093	0.0083	4.75E-01	0.0001	0.0076	9.75E-01	0.0014	0.0073	9.33E-01		
rs11932130	A	G	-0.0265	0.0043	1.80E-09	A	G	0.0025	0.0067	7.56E-01	0.0037	0.0062	6.03E-01	-0.0073	0.0060	3.54E-01	rs10013456	0.915179
rs12042083	G	A	0.0469	0.0041	1.40E-32	G	A	0.0047	0.0067	3.01E-01	-0.0019	0.0061	6.59E-01	0.0001	0.0060	9.49E-01	rs7519889	1
rs1219459	C	T	-0.0191	0.0034	1.30E-08	C	T	0.0058	0.0056	4.59E-01	0.0068	0.0052	2.28E-01	-0.0143	0.0050	1.91E-02	rs1622638	0.877032
rs12241932	T	C	0.0336	0.0041	4.70E-16	T	C	0.0030	0.0061	8.65E-01	-0.0072	0.0056	1.96E-01	0.0014	0.0055	5.13E-01		
rs12256387	C	A	0.1307	0.0055	1.40E-136	C	A	0.0068	0.0084	4.42E-01	0.0045	0.0077	4.37E-01	0.0048	0.0074	8.72E-01	rs7099953	1
rs12340775	G	A	0.0492	0.0075	3.80E-10	G	A	0.0061	0.0112	3.88E-01	0.0059	0.0103	5.96E-01	-0.0077	0.0103	5.48E-01		
rs12478002	T	C	-0.0513	0.0038	1.90E-45	C	T	0.0128	0.0059	1.87E-02	-0.0023	0.0054	8.98E-01	-0.0005	0.0052	7.38E-01	rs62159864	0.951085
rs12529766	C	G	0.0321	0.0049	3.10E-11	C	G	0.0121	0.0081	2.73E-01	-0.0013	0.0073	8.31E-01	-0.0011	0.0073	8.96E-01		
rs12623849	T	C	-0.0352	0.0057	1.40E-10	C	T	0.0041	0.0085	7.93E-01	0.0054	0.0079	2.63E-01	-0.0002	0.0078	7.16E-01	rs56185026	1

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs12714415	T	C	0.0295	0.0048	4.00E-09	C	T	0.0107	0.0049	1.99E-02	0.0127	0.0045	7.07E-03	-0.0074	0.0044	5.49E-02		
rs12777653	C	G	0.0218	0.0034	4.70E-11	G	C	0.0000	0.0053	7.67E-01	-0.0024	0.0049	4.83E-01	0.0079	0.0048	1.43E-01	rs17688827	0.947722
rs12801636	G	A	0.0323	0.0040	5.40E-16	A	G	0.0078	0.0045	1.45E-01	0.0235	0.0042	3.15E-08	-0.0177	0.0040	1.35E-05	rs66864335	1
rs12806687	C	G	0.0419	0.0036	2.60E-32	G	C	0.0166	0.0054	3.48E-03	-0.0221	0.0051	6.59E-05	0.0156	0.0050	5.12E-03		
rs13020883	C	A	0.0345	0.0045	9.90E-16	C	A	0.0034	0.0074	6.84E-01	0.0023	0.0068	1.73E-01	0.0152	0.0066	4.02E-02	rs4675694	1
rs13035978	A	G	-0.0257	0.0037	6.90E-13	A	G	0.0022	0.0059	6.14E-01	-0.0005	0.0053	9.61E-01	0.0011	0.0052	9.03E-01	rs62195575	1
rs1323168	A	G	-0.0308	0.0052	1.90E-09	A	G	0.0027	0.0079	8.71E-01	-0.0122	0.0072	8.90E-02	-0.0056	0.0070	8.92E-01		
rs13248937	G	C	0.0288	0.0034	6.40E-17	C	G	0.0020	0.0054	9.88E-01	0.0022	0.0049	4.01E-01	-0.0047	0.0048	1.70E-01	rs7003794	1
rs13328356	C	T	0.0237	0.0039	4.00E-09	T	C	0.0051	0.0066	5.66E-01	-0.0061	0.0060	5.32E-01	0.0081	0.0058	2.44E-01		
rs133441	A	T	-0.0241	0.0040	6.70E-09	T	A	0.0039	0.0044	4.72E-01	-0.0170	0.0041	1.15E-04	0.0149	0.0040	6.99E-04		
rs1338908	C	T	0.0348	0.0034	3.60E-25	T	C	0.0008	0.0052	9.89E-01	-0.0060	0.0048	1.34E-01	0.0028	0.0047	6.08E-01	rs144647275	0.831014
rs134638	G	A	0.0428	0.0035	8.10E-36	G	A	0.0017	0.0054	7.02E-01	0.0070	0.0050	9.37E-02	-0.0050	0.0049	3.63E-01	rs134639	1
rs1352014	A	T	-0.0263	0.0034	4.80E-16	A	T	0.0088	0.0052	1.47E-01	-0.0015	0.0048	6.68E-01	0.0094	0.0047	2.31E-02		
rs1386625	A	G	0.0479	0.0058	2.20E-17	A	G	0.0107	0.0093	2.67E-01	0.0047	0.0085	5.86E-01	-0.0072	0.0083	6.63E-01		
rs1412427	C	T	0.0257	0.0037	7.60E-13	C	T	0.0078	0.0058	3.16E-01	-0.0042	0.0053	3.31E-01	0.0084	0.0052	8.05E-02	rs28550561	0.931024
rs1414660	C	T	-0.0829	0.0042	1.20E-87	C	T	0.0018	0.0080	7.62E-01	0.0059	0.0074	8.69E-01	0.0006	0.0071	9.42E-01		
rs1415701	G	A	-0.0285	0.0038	3.50E-14	A	G	0.0015	0.0044	8.02E-01	-0.0066	0.0042	1.18E-01	-0.0014	0.0040	9.99E-01		
rs1428968	C	T	-0.0338	0.0044	1.20E-13	C	T	0.0002	0.0072	9.74E-01	-0.0022	0.0065	6.38E-01	0.0054	0.0064	4.61E-01		

SNP	GWAS of eBMD					GWAS of lipids											Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs1471251	A	T	-0.0199	0.0034	5.20E-10	T	A	0.0112	0.0053	1.94E-02	-0.0231	0.0048	2.19E-06	0.0262	0.0047	8.43E-08	rs5860048	0.875869
rs1478610	G	A	0.0196	0.0035	3.60E-08	A	G	0.0029	0.0073	7.28E-01	0.0026	0.0066	7.84E-01	0.0045	0.0066	4.78E-01	rs34202212	0.943455
rs1487241	A	T	0.0256	0.0036	2.20E-11	A	T	0.0053	0.0056	4.28E-01	-0.0074	0.0051	3.83E-01	-0.0114	0.0050	3.45E-02		
rs1502199	A	G	0.0232	0.0038	4.90E-10	G	A	0.0055	0.0058	3.60E-01	-0.0093	0.0053	7.17E-02	-0.0009	0.0052	6.22E-01		
rs1550429	C	G	0.0039	0.0035	3.50E-01	C	G	0.0083	0.0064	2.95E-01	0.0045	0.0058	5.93E-01	0.0018	0.0058	7.90E-01		
rs1560633	T	C	-0.0221	0.0035	7.20E-10	C	T	0.0039	0.0054	4.72E-01	0.0100	0.0050	2.15E-02	-0.0016	0.0048	9.89E-01		
rs16887121	A	G	-0.0449	0.0066	1.60E-12	A	G	0.0045	0.0107	6.91E-01	0.0002	0.0098	5.78E-01	-0.0071	0.0091	2.25E-01	rs72868839	0.929105
rs16961974	T	C	0.0263	0.0039	2.00E-12	T	C	0.0021	0.0058	8.28E-01	0.0015	0.0053	7.39E-01	-0.0016	0.0053	9.08E-01		
rs17010957	T	C	-0.0302	0.0048	5.20E-10	C	T	0.0064	0.0052	2.22E-01	-0.0138	0.0048	4.48E-03	0.0029	0.0047	7.39E-01	rs72976751	1
rs1717731	T	C	-0.0698	0.0043	1.10E-63	C	T	0.0102	0.0068	1.74E-01	-0.0096	0.0062	2.10E-01	0.0107	0.0061	2.02E-01		
rs17236800	A	G	-0.0499	0.0043	1.30E-31	A	G	0.0119	0.0067	6.18E-02	-0.0037	0.0062	3.15E-01	-0.0022	0.0060	8.34E-01		
rs17457340	T	C	0.0641	0.0064	2.40E-25	T	C	0.0098	0.0114	4.90E-01	0.0074	0.0104	5.16E-01	0.0022	0.0102	8.56E-01		
rs174574	A	C	0.0203	0.0035	5.00E-09	C	A	0.0528	0.0047	1.34E-28	0.0368	0.0044	8.58E-16	-0.0368	0.0041	3.02E-19		
rs17501090	C	A	0.0756	0.0114	1.60E-11	C	A	0.0035	0.0199	7.13E-01	0.0180	0.0193	3.22E-01	-0.0098	0.0177	6.02E-01		
rs17507577	G	A	-0.0463	0.0064	1.40E-15	A	G	0.0195	0.0117	1.17E-01	-0.0036	0.0107	6.36E-01	0.0090	0.0100	1.50E-01		
rs17514738	T	C	0.0234	0.0034	1.50E-11	T	C	0.0007	0.0054	5.29E-01	-0.0012	0.0049	6.37E-01	0.0033	0.0048	7.57E-01		
rs17595156	G	A	-0.0337	0.0058	8.50E-11	G	A	0.0009	0.0086	6.28E-01	-0.0007	0.0079	8.34E-01	0.0020	0.0079	8.87E-01		
rs17598132	C	T	0.0282	0.0049	1.80E-09	T	C	0.0009	0.0079	8.43E-01	-0.0050	0.0072	4.82E-01	0.0042	0.0070	7.43E-01		

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs17602572	C	G	0.0304	0.0034	1.20E-19	C	G	0.0058	0.0053	3.05E-01	-0.0053	0.0049	2.10E-01	0.0154	0.0047	4.27E-03		
rs17630640	A	G	0.0279	0.0050	8.10E-10	A	G	0.0075	0.0082	6.97E-01	-0.0082	0.0075	3.71E-01	0.0200	0.0073	3.08E-03	rs73029263	1
rs17680862	G	C	0.0882	0.0106	7.40E-20	C	G	0.0150	0.0142	4.53E-01	0.0770	0.0131	5.79E-07	-0.0254	0.0129	5.07E-02		
rs17731	G	A	0.0202	0.0035	3.10E-10	G	A	0.0045	0.0055	3.77E-01	0.0100	0.0051	2.54E-02	-0.0036	0.0049	2.50E-01	rs68192277	0.864145
rs17784418	A	G	0.0275	0.0035	5.70E-17	A	G	0.0077	0.0053	2.67E-01	0.0009	0.0049	9.64E-01	-0.0044	0.0048	5.91E-01	rs5880046	0.854222
rs17807204	A	G	0.0416	0.0064	4.20E-11	G	A	0.0060	0.0103	6.23E-01	0.0019	0.0094	4.96E-01	0.0153	0.0092	1.11E-01	rs74439044	0.894639
rs1877998	G	A	0.0343	0.0043	2.10E-15	G	A	0.0006	0.0068	6.65E-01	0.0050	0.0062	5.25E-01	0.0080	0.0061	1.26E-01		
rs1878289	C	G	-0.0236	0.0034	3.70E-12	C	G	0.0009	0.0053	9.04E-01	-0.0017	0.0048	8.30E-01	0.0007	0.0047	9.18E-01	rs2675952	0.982485
rs1878526	G	A	-0.0645	0.0041	6.20E-64	A	G	0.0096	0.0066	1.40E-01	0.0024	0.0061	9.42E-01	-0.0038	0.0059	3.05E-01		
rs1891002	T	A	0.0947	0.0037	4.70E-150	A	T	0.0144	0.0042	2.87E-04	-0.0041	0.0039	3.11E-01	0.0071	0.0038	7.36E-02	rs4869744	1
rs1945114	G	T	0.0548	0.0034	5.40E-60	G	T	0.0005	0.0053	9.69E-01	-0.0120	0.0049	5.48E-02	0.0085	0.0048	3.26E-02	rs6589301	1
rs1953535	G	A	0.0376	0.0060	6.50E-10	A	G	0.0024	0.0094	6.56E-01	0.0219	0.0086	6.48E-03	-0.0260	0.0084	4.41E-03	rs55874297	1
rs1992549	G	A	0.0253	0.0034	1.90E-15	A	G	0.0005	0.0055	9.50E-01	-0.0033	0.0050	3.20E-01	0.0019	0.0049	8.63E-01	rs12041600	1
rs2049675	C	T	-0.0337	0.0040	7.40E-18	T	C	0.0019	0.0079	9.24E-01	-0.0033	0.0070	9.78E-01	-0.0054	0.0068	5.63E-01	rs2696264	1
rs2097719	G	A	0.0206	0.0035	4.10E-09	A	G	0.0083	0.0057	1.50E-01	-0.0034	0.0052	5.05E-01	0.0056	0.0051	1.47E-01	rs4239232	0.906822
rs2099901	C	G	-0.0294	0.0034	1.30E-18	G	C	0.0044	0.0054	2.81E-01	-0.0008	0.0050	6.19E-01	-0.0035	0.0049	3.79E-01	rs7088220	0.979944
rs2104574	C	T	-0.0378	0.0037	8.40E-27	C	T	0.0020	0.0041	6.22E-01	-0.0088	0.0038	4.39E-02	0.0111	0.0037	1.57E-02	rs1980854	1
rs2118610	T	C	-0.0203	0.0034	6.10E-10	C	T	0.0054	0.0037	8.88E-02	-0.0050	0.0034	1.07E-01	0.0080	0.0033	3.85E-02	rs28587205	1

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs212417	G	A	0.0338	0.0036	1.20E-21	A	G	0.0011	0.0054	8.97E-01	0.0035	0.0051	9.19E-01	0.0022	0.0049	2.86E-01		
rs215226	A	G	-0.0236	0.0034	5.90E-12	G	A	0.0025	0.0056	8.57E-01	-0.0016	0.0051	9.22E-01	0.0003	0.0050	5.99E-01	rs6489548	1
rs2273699	A	G	0.0420	0.0035	1.30E-33	G	A	0.0032	0.0054	3.97E-01	-0.0056	0.0049	4.90E-02	0.0034	0.0048	4.54E-01	rs35816040	1
rs2275707	C	A	0.0335	0.0041	1.20E-17	A	C	0.0015	0.0064	9.74E-01	0.0002	0.0059	5.56E-01	0.0017	0.0058	9.32E-01		
rs2277083	A	G	0.0317	0.0034	1.70E-21	A	G	0.0066	0.0052	1.09E-01	-0.0047	0.0048	7.16E-01	0.0022	0.0047	5.07E-01	rs547545	0.978127
rs2279743	T	C	0.0328	0.0048	1.10E-11	C	T	0.0040	0.0072	9.63E-01	0.0116	0.0066	2.36E-01	-0.0094	0.0064	1.59E-01		
rs2297087	A	G	0.0319	0.0040	7.20E-18	A	G	0.0132	0.0066	1.13E-01	-0.0063	0.0060	2.04E-01	-0.0081	0.0059	2.39E-01	rs62558340	1
rs2301522	A	G	0.0298	0.0036	1.60E-16	G	A	0.0004	0.0043	8.86E-01	0.0120	0.0039	1.18E-02	-0.0074	0.0038	3.01E-02		
rs2342139	A	T	0.0215	0.0035	1.00E-09	T	A	0.0011	0.0056	5.26E-01	0.0033	0.0052	7.25E-01	-0.0013	0.0050	5.87E-01	rs34687052	0.979126
rs239677	C	T	0.0283	0.0035	4.40E-15	C	T	0.0026	0.0053	5.32E-01	0.0133	0.0049	1.12E-02	-0.0092	0.0048	1.06E-01		
rs2504069	C	T	-0.0451	0.0037	6.50E-35	T	C	0.0080	0.0062	2.09E-01	0.0121	0.0057	5.53E-02	0.0015	0.0056	7.43E-01		
rs2509353	C	T	0.0226	0.0034	1.80E-12	T	C	0.0007	0.0052	8.94E-01	-0.0048	0.0048	3.16E-01	-0.0075	0.0047	2.68E-01		
rs2519093	C	T	0.0323	0.0043	3.00E-15	T	C	0.0794	0.0066	1.25E-30	0.0210	0.0062	1.86E-03	-0.0136	0.0060	4.34E-02	rs587729126	0.965828
rs2624847	G	T	0.0244	0.0038	1.80E-11	T	G	0.0043	0.0043	4.13E-01	0.0199	0.0040	5.61E-07	-0.0049	0.0039	3.39E-01		
rs2663345	A	G	0.0274	0.0036	7.40E-15	A	G	0.0050	0.0084	6.41E-01	-0.0138	0.0081	1.68E-01	-0.0015	0.0075	8.86E-01	rs2376600	0.94979
rs2668602	G	A	-0.0277	0.0035	1.40E-16	A	G	0.0085	0.0053	2.09E-01	-0.0059	0.0049	2.47E-01	0.0076	0.0048	8.53E-02		
rs2737252	G	A	-0.0379	0.0037	1.90E-23	G	A	0.0314	0.0041	7.04E-14	0.0126	0.0038	3.94E-03	0.0092	0.0037	1.07E-02		
rs2761887	C	A	-0.0520	0.0034	3.20E-56	C	A	0.0061	0.0053	2.28E-01	-0.0085	0.0048	3.17E-01	0.0055	0.0047	4.01E-01	rs71446481	1

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs283324	G	A	0.0244	0.0041	2.70E-10	A	G	0.0032	0.0073	6.73E-01	0.0026	0.0066	5.56E-01	-0.0077	0.0066	5.05E-01		
rs2836613	G	A	-0.0324	0.0039	4.20E-17	G	A	0.0071	0.0060	3.35E-01	0.0008	0.0055	7.63E-01	0.0039	0.0054	8.40E-01		
rs2840075	G	A	-0.0318	0.0052	4.70E-10	G	A	0.0073	0.0083	2.00E-01	-0.0047	0.0076	5.21E-01	0.0020	0.0074	7.60E-01	rs11729023	1
rs2908007	A	G	-0.1660	0.0034	5.0E-324	A	G	0.0097	0.0059	4.50E-02	0.0096	0.0054	6.97E-02	0.0008	0.0053	8.80E-01	rs2536195	0.933152
rs2925987	A	C	0.0220	0.0040	7.40E-08	C	A	0.0121	0.0068	1.16E-01	-0.0059	0.0063	9.02E-01	0.0067	0.0061	1.37E-01	rs4888151	0.88675
rs2929308	T	A	0.0425	0.0034	1.90E-39	T	A	0.0028	0.0053	4.32E-01	0.0026	0.0048	6.94E-01	-0.0135	0.0047	1.01E-02		
rs2941741	G	A	-0.0763	0.0034	2.10E-119	G	A	0.0030	0.0053	3.34E-01	-0.0148	0.0048	7.19E-03	0.0070	0.0047	1.44E-01		
rs3012463	C	T	0.0377	0.0036	9.90E-30	T	C	0.0074	0.0054	4.14E-01	-0.0044	0.0050	7.45E-01	0.0044	0.0049	4.58E-01	rs10713212	0.891762
rs301790	G	C	0.0287	0.0035	1.70E-18	G	C	0.0103	0.0054	6.05E-02	0.0068	0.0050	3.10E-01	-0.0047	0.0049	2.41E-01	rs2708632	1
rs302101	G	A	0.0217	0.0036	5.20E-10	G	A	0.0033	0.0058	4.97E-01	-0.0015	0.0053	8.66E-01	-0.0002	0.0052	8.13E-01		
rs3095208	T	C	-0.0249	0.0038	9.10E-12	T	C	0.0099	0.0058	4.90E-01	0.0078	0.0054	1.29E-01	0.0026	0.0052	8.16E-01		
rs344083	A	C	0.0385	0.0040	5.70E-23	C	A	0.0052	0.0062	4.02E-01	-0.0132	0.0057	1.78E-02	0.0154	0.0055	4.84E-03		
rs346070	T	C	0.0300	0.0045	6.70E-12	T	C	0.0064	0.0069	2.06E-01	0.0143	0.0063	3.61E-02	-0.0081	0.0062	3.20E-01	rs77630528	0.973638
rs353287	G	A	-0.0256	0.0035	1.70E-13	A	G	0.0008	0.0058	3.22E-01	0.0065	0.0053	2.55E-01	-0.0044	0.0052	3.80E-01	rs368510	0.906978
rs3744656	T	G	0.0286	0.0046	3.20E-10	T	G	0.0115	0.0073	4.84E-02	0.0018	0.0068	6.82E-01	0.0060	0.0066	5.20E-01	rs56235417	0.966059
rs3748655	G	C	-0.0349	0.0045	4.40E-15	G	C	0.0040	0.0072	4.86E-01	0.0074	0.0067	3.39E-01	0.0085	0.0065	1.71E-01	rs3790608	0.851725
rs3760456	C	T	0.0267	0.0034	1.60E-15	T	C	0.0077	0.0054	1.84E-01	-0.0096	0.0049	9.64E-02	-0.0039	0.0048	5.52E-01	17:27961561_GATTATT_G	1

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs3776221	A	G	0.0241	0.0039	1.50E-09	A	G	0.0147	0.0063	3.49E-02	-0.0067	0.0059	1.02E-01	0.0001	0.0057	9.01E-01		
rs3829241	G	A	-0.0306	0.0034	4.50E-21	A	G	0.0007	0.0037	6.43E-01	-0.0007	0.0035	9.95E-01	0.0092	0.0034	1.18E-02		
rs384804	T	C	0.0221	0.0034	1.20E-11	C	T	0.0117	0.0055	1.28E-02	0.0016	0.0050	7.52E-01	-0.0035	0.0049	8.39E-01	rs56969212	0.970752
rs4072980	G	A	0.0192	0.0034	4.90E-09	A	G	0.0006	0.0039	9.56E-01	-0.0073	0.0036	4.12E-02	0.0098	0.0035	6.09E-03	rs4360494	0.897388
rs415997	C	A	-0.0417	0.0034	2.60E-39	A	C	0.0065	0.0052	1.50E-01	-0.0071	0.0048	6.99E-01	0.0056	0.0047	2.22E-01	rs370387	1
rs4233949	C	G	0.0746	0.0034	2.40E-110	G	C	0.0004	0.0054	9.80E-01	0.0016	0.0049	8.48E-01	-0.0014	0.0048	9.27E-01		
rs4259833	G	A	0.0195	0.0034	6.00E-09	A	G	0.0037	0.0052	3.44E-01	0.0039	0.0048	7.03E-01	0.0015	0.0047	8.85E-01	rs4505077	1
rs4322451	T	C	-0.0364	0.0039	9.80E-22	C	T	0.0065	0.0062	4.48E-01	0.0030	0.0056	7.14E-01	0.0036	0.0055	5.11E-01	rs144339224	1
rs4325274	C	G	0.0319	0.0037	2.80E-18	C	G	0.0056	0.0058	5.55E-01	0.0041	0.0053	3.52E-01	-0.0007	0.0052	9.46E-01	rs56928337	0.97707
rs4359315	G	A	-0.0345	0.0072	1.60E-06	A	G	0.0147	0.0120	4.55E-01	-0.0092	0.0109	6.37E-01	0.0037	0.0108	9.27E-01	rs147720516	0.898396
rs4448201	G	C	-0.0470	0.0035	8.90E-45	C	G	0.0107	0.0057	5.72E-02	-0.0084	0.0052	1.05E-01	0.0059	0.0051	2.24E-01	rs4440558	0.974959
rs4455199	T	C	-0.0490	0.0038	9.20E-40	T	C	0.0122	0.0059	4.49E-02	-0.0040	0.0054	7.14E-01	0.0064	0.0053	4.94E-01	rs34138479	1
rs4505759	C	T	-0.0526	0.0037	5.50E-52	C	T	0.0050	0.0069	7.72E-01	-0.0016	0.0064	8.24E-01	0.0072	0.0061	2.88E-01		
rs4589135	T	C	0.0230	0.0034	4.10E-11	C	T	0.0105	0.0054	1.10E-01	-0.0161	0.0050	4.98E-04	0.0136	0.0049	7.22E-03		
rs4790881	C	A	-0.0560	0.0037	1.80E-54	C	A	0.0138	0.0058	3.90E-02	0.0076	0.0053	2.68E-01	0.0105	0.0052	5.93E-02	rs35401268	0.930956
rs4796995	A	G	0.0480	0.0035	4.60E-43	A	G	0.0033	0.0054	4.00E-01	-0.0046	0.0049	3.31E-01	0.0079	0.0048	2.16E-01	rs1941749	1
rs4807630	C	T	0.0323	0.0037	8.30E-18	C	T	0.0128	0.0049	7.63E-03	0.0023	0.0047	9.65E-01	-0.0027	0.0044	9.37E-01	rs4807629	1
rs486141	G	A	0.0752	0.0088	2.50E-19	A	G	0.0072	0.0132	4.15E-01	-0.0128	0.0122	5.52E-01	0.0019	0.0118	9.26E-01	rs525678	1

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs4941428	A	G	0.0001	0.0040	6.40E-01	G	A	0.0030	0.0062	8.13E-01	-0.0034	0.0057	9.76E-01	-0.0020	0.0056	6.73E-01	rs2147160	1
rs4959677	G	C	0.0269	0.0034	8.10E-16	G	C	0.0045	0.0053	4.32E-01	-0.0039	0.0048	2.83E-01	0.0023	0.0047	6.97E-01		
rs603424	G	A	0.0310	0.0044	2.50E-12	A	G	0.0156	0.0051	2.55E-04	0.0010	0.0048	5.20E-01	0.0044	0.0046	4.90E-01		
rs6038483	A	C	0.0364	0.0035	1.50E-26	C	A	0.0001	0.0056	8.14E-01	-0.0003	0.0051	6.15E-01	0.0021	0.0050	3.12E-01	rs62198536	1
rs6040006	C	T	0.0935	0.0100	9.40E-21	C	T	0.0147	0.0111	2.04E-01	-0.0048	0.0102	3.74E-01	0.0136	0.0100	1.65E-01		
rs6040068	C	T	0.0354	0.0052	1.30E-12	C	T	0.0059	0.0084	3.49E-01	0.0069	0.0077	1.51E-01	-0.0113	0.0076	3.75E-01		
rs604279	G	C	-0.0224	0.0039	7.40E-10	G	C	0.0040	0.0061	6.82E-01	-0.0020	0.0056	6.05E-01	0.0046	0.0056	1.96E-01	rs371471055	0.821057
rs608870	C	T	0.0650	0.0036	1.80E-76	T	C	0.0075	0.0056	2.51E-01	-0.0058	0.0052	4.86E-01	0.0003	0.0051	7.91E-01	rs649693	1
rs609292	G	A	0.0308	0.0039	9.10E-17	A	G	0.0090	0.0061	2.21E-01	0.0019	0.0056	8.21E-01	0.0007	0.0054	8.87E-01	rs170634	1
rs6117854	G	A	0.0353	0.0036	2.70E-25	A	G	0.0112	0.0059	1.34E-01	0.0016	0.0054	6.96E-01	0.0042	0.0053	7.46E-01		
rs6120663	C	A	-0.0261	0.0034	4.70E-14	C	A	0.0014	0.0053	9.59E-01	0.0146	0.0048	3.47E-03	-0.0151	0.0047	3.38E-03	rs13044413	1
rs6134038	A	G	0.0375	0.0042	3.70E-20	G	A	0.0024	0.0047	5.60E-01	0.0001	0.0044	8.21E-01	-0.0003	0.0042	9.12E-01		
rs633891	C	T	0.0198	0.0034	2.80E-08	C	T	0.0033	0.0055	7.86E-01	0.0023	0.0051	4.36E-01	-0.0036	0.0049	4.81E-01		
rs6456454	A	G	0.0411	0.0052	9.20E-15	A	G	0.0043	0.0081	3.89E-01	0.0043	0.0074	9.55E-01	0.0052	0.0072	6.57E-01	rs74971894	1
rs6471752	C	T	0.0292	0.0047	1.70E-11	C	T	0.0029	0.0070	6.56E-01	-0.0056	0.0065	1.29E-01	-0.0016	0.0063	8.99E-01		
rs6532022	G	T	0.0303	0.0036	1.90E-17	G	T	0.0119	0.0055	3.82E-02	0.0053	0.0050	2.94E-01	0.0009	0.0049	9.82E-01	rs72655796	0.927541
rs6592342	G	T	-0.0566	0.0065	2.60E-18	T	G	0.0010	0.0102	8.78E-01	-0.0148	0.0094	1.06E-01	0.0070	0.0092	3.10E-01	rs377062541	0.826007
rs6680737	G	A	-0.0251	0.0034	1.60E-14	A	G	0.0052	0.0037	2.53E-01	-0.0049	0.0034	1.83E-01	0.0045	0.0033	1.54E-01		

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs6701290	G	A	0.0425	0.0054	2.30E-14	A	G	0.0040	0.0081	8.54E-01	0.0071	0.0075	1.49E-01	-0.0098	0.0073	8.78E-02		
rs6761129	C	T	-0.0356	0.0054	3.90E-11	C	T	0.0143	0.0063	4.80E-02	-0.0069	0.0059	3.65E-01	0.0048	0.0057	3.72E-01		
rs6870556	G	A	0.0211	0.0035	2.00E-09	A	G	0.0005	0.0054	9.81E-01	-0.0051	0.0050	6.29E-01	0.0032	0.0048	7.42E-01		
rs6882422	G	A	0.0328	0.0053	3.40E-10	A	G	0.0251	0.0083	1.02E-02	-0.0123	0.0077	2.16E-01	0.0102	0.0075	1.83E-01		
rs6963134	A	G	-0.0524	0.0035	7.30E-56	A	G	0.0021	0.0056	8.82E-01	0.0086	0.0051	1.32E-01	-0.0043	0.0050	5.30E-01	rs6956946	1
rs7030440	G	A	0.0303	0.0036	5.60E-18	G	A	0.0071	0.0038	6.03E-02	-0.0082	0.0035	6.24E-03	0.0053	0.0034	3.60E-01	rs537120594	1
rs719639	C	A	0.0257	0.0036	4.90E-13	A	C	0.0044	0.0058	9.54E-01	-0.0043	0.0053	4.41E-01	0.0100	0.0052	1.08E-01	rs6454314	1
rs7225261	C	T	-0.0341	0.0035	1.80E-23	T	C	0.0063	0.0053	2.56E-01	-0.0050	0.0049	3.86E-01	0.0030	0.0048	2.78E-01	rs72829754	0.977169
rs7301013	A	G	-0.0318	0.0047	3.10E-12	G	A	0.0035	0.0072	7.82E-01	0.0012	0.0066	8.41E-01	-0.0027	0.0065	5.81E-01		
rs7337984	A	G	0.0386	0.0037	1.70E-28	G	A	0.0051	0.0057	2.78E-01	-0.0053	0.0053	3.26E-01	-0.0018	0.0051	7.99E-01	rs2008411	1
rs7521902	C	A	0.0404	0.0039	9.30E-27	C	A	0.0005	0.0045	5.69E-01	-0.0007	0.0042	6.57E-01	0.0013	0.0041	8.34E-01	1:22483649_T_TGGGGGG	1
rs7524102	A	G	-0.0626	0.0044	1.50E-48	G	A	0.0052	0.0070	3.28E-01	-0.0089	0.0064	1.03E-01	0.0135	0.0062	2.61E-02	rs34963268	1
rs7527300	C	T	0.0307	0.0034	1.70E-19	C	T	0.0032	0.0053	7.05E-01	0.0031	0.0049	5.65E-01	-0.0018	0.0047	7.74E-01		
rs7535122	A	G	0.0233	0.0034	1.40E-12	A	G	0.0061	0.0052	2.91E-01	-0.0040	0.0048	3.78E-01	0.0070	0.0047	2.08E-01		
rs7556434	C	A	0.0226	0.0034	1.50E-12	A	C	0.0077	0.0052	2.02E-01	-0.0057	0.0048	3.80E-01	0.0068	0.0047	1.86E-01	rs1080789	0.978943
rs7569197	A	G	0.0224	0.0039	9.00E-09	A	G	0.0005	0.0061	8.30E-01	0.0020	0.0056	3.29E-01	0.0040	0.0055	6.31E-01	rs58057291	1
rs7578166	A	C	-0.0224	0.0034	2.20E-10	C	A	0.0145	0.0053	3.09E-03	0.0004	0.0049	9.84E-01	0.0034	0.0047	4.65E-01		

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs757980	G	A	0.0375	0.0039	8.50E-23	A	G	0.0085	0.0065	3.57E-01	-0.0114	0.0060	1.85E-01	0.0008	0.0057	6.48E-01		
rs7698892	T	A	0.0344	0.0045	8.10E-16	T	A	0.0033	0.0070	5.41E-01	-0.0146	0.0064	8.80E-03	-0.0048	0.0062	3.46E-01	rs6839437	1
rs770379	A	G	0.0219	0.0034	3.90E-10	G	A	0.0037	0.0053	4.53E-01	0.0025	0.0048	7.83E-01	0.0022	0.0047	8.34E-01	rs1149821	1
rs7741021	A	C	-0.0818	0.0034	1.60E-140	C	A	0.0078	0.0037	7.39E-02	-0.0186	0.0034	3.15E-08	0.0164	0.0033	2.71E-06		
rs7787043	C	T	-0.0297	0.0035	2.80E-17	C	T	0.0003	0.0054	9.97E-01	-0.0002	0.0050	4.43E-01	-0.0033	0.0049	4.86E-01	rs10249754	1
rs7830123	A	G	0.0313	0.0039	4.70E-18	A	G	0.0010	0.0045	7.16E-01	0.0062	0.0042	2.06E-01	-0.0049	0.0041	2.99E-01	rs114847962	0.973952
rs7969076	T	C	-0.0215	0.0034	1.60E-10	T	C	0.0132	0.0053	1.67E-02	-0.0039	0.0048	3.77E-01	0.0029	0.0048	7.26E-01		
rs8010579	C	T	-0.0237	0.0034	4.10E-12	T	C	0.0011	0.0053	8.60E-01	-0.0010	0.0049	8.86E-01	-0.0084	0.0047	2.55E-01	rs10145299	1
rs8023466	G	A	-0.0299	0.0049	1.10E-08	A	G	0.0058	0.0075	6.99E-01	0.0099	0.0069	1.13E-01	0.0050	0.0067	2.93E-01		
rs8066333	A	G	-0.0200	0.0034	1.20E-09	G	A	0.0000	0.0053	9.94E-01	0.0042	0.0049	3.41E-01	0.0011	0.0048	7.20E-01	rs8069036	0.908578
rs8109627	T	C	-0.0249	0.0038	7.40E-11	C	T	0.0008	0.0062	8.80E-01	-0.0003	0.0057	8.37E-01	-0.0018	0.0055	5.79E-01	rs13345456	0.939221
rs85	T	C	-0.0375	0.0042	1.50E-20	T	C	0.0004	0.0062	9.15E-01	-0.0036	0.0058	7.35E-01	0.0063	0.0056	4.14E-01		
rs868475	T	C	0.0295	0.0068	1.20E-05	T	C	0.0037	0.0114	7.39E-01	0.0074	0.0103	7.02E-01	0.0059	0.0099	9.09E-01	rs55671949	1
rs884205	A	C	-0.0332	0.0039	9.50E-19	A	C	0.0077	0.0062	3.65E-01	-0.0079	0.0057	1.78E-01	-0.0017	0.0056	5.69E-01		
rs916561	A	C	-0.0391	0.0065	2.20E-10	C	A	0.0060	0.0070	4.92E-01	0.0219	0.0065	1.97E-03	-0.0060	0.0064	4.27E-01	rs2188092	1
rs9260492	T	C	0.0204	0.0034	5.80E-11	T	C	0.0085	0.0055	1.84E-01	-0.0112	0.0050	1.05E-01	-0.0107	0.0049	1.20E-02	rs9260426	1
rs9309664	G	A	0.0235	0.0035	1.40E-11	G	A	0.0032	0.0053	5.64E-01	0.0086	0.0048	1.27E-01	-0.0039	0.0047	3.40E-01	rs6547870	1
rs9327301	G	A	0.0239	0.0039	2.10E-10	A	G	0.0101	0.0059	8.45E-02	-0.0077	0.0054	9.73E-02	0.0036	0.0053	6.25E-01		

SNP	GWAS of eBMD					GWAS of lipids										Original SNP in eBMD dataset (For proxies only)	r2
								LDL-C			HDL-C			Triglycerides				
	EA	NEA	beta	se	p	EA	NEA	beta	se	p	beta	se	p	beta	se	p		
rs9364382	G	C	0.0181	0.0035	4.20E-07	C	G	0.0018	0.0057	7.27E-01	-0.0029	0.0053	9.31E-01	-0.0072	0.0051	1.80E-01	rs4708620	0.878619
rs9379084	G	A	0.0414	0.0054	3.00E-15	A	G	0.0123	0.0073	1.21E-01	0.0133	0.0068	7.90E-02	0.0227	0.0065	1.80E-03		
rs9402490	G	T	0.0563	0.0034	9.40E-67	T	G	0.0025	0.0038	6.52E-01	0.0074	0.0036	4.29E-02	-0.0060	0.0035	1.75E-01		
rs947091	G	A	-0.0360	0.0034	6.00E-29	A	G	0.0075	0.0053	1.36E-01	0.0013	0.0049	4.96E-01	-0.0007	0.0048	7.99E-01		
rs9491689	C	A	-0.0541	0.0038	8.00E-47	A	C	0.0070	0.0041	1.73E-01	-0.0205	0.0038	6.10E-09	0.0188	0.0037	1.73E-07		
rs9530279	T	C	0.0223	0.0039	1.70E-08	C	T	0.0007	0.0062	8.13E-01	0.0004	0.0056	8.29E-01	0.0007	0.0056	6.11E-01	rs10637379	0.852489
rs9552620	C	G	0.0301	0.0037	6.30E-17	G	C	0.0035	0.0062	6.09E-01	0.0043	0.0057	9.79E-01	-0.0049	0.0056	6.84E-01	rs8002850	0.942808
rs9594738	C	T	0.0468	0.0034	4.30E-48	T	C	0.0095	0.0053	1.58E-01	-0.0011	0.0049	6.75E-01	0.0050	0.0048	5.72E-01	rs58973023	1
rs9606139	G	A	0.1139	0.0055	5.60E-103	A	G	0.0171	0.0141	2.02E-01	0.0083	0.0133	4.41E-01	-0.0143	0.0118	1.80E-01	22:19677948_CG_C	1
rs982004	C	T	0.0259	0.0034	4.20E-15	C	T	0.0013	0.0053	9.24E-01	-0.0045	0.0048	3.75E-01	0.0015	0.0047	8.56E-01	rs7074558	0.979699
rs9895116	T	G	-0.0494	0.0048	7.30E-29	G	T	0.0028	0.0072	6.43E-01	-0.0034	0.0066	1.63E-01	-0.0052	0.0064	3.74E-01	rs1036902	1
rs9909172	T	C	-0.0410	0.0035	1.50E-34	T	C	0.0030	0.0054	5.30E-01	0.0083	0.0049	1.02E-01	-0.0098	0.0048	7.22E-02	rs7209826	1
rs9932220	G	A	-0.0330	0.0041	3.90E-18	G	A	0.0085	0.0064	1.35E-01	-0.0006	0.0059	4.87E-01	0.0004	0.0058	7.79E-01		
rs9972653	G	T	-0.0204	0.0034	7.30E-10	G	T	0.0027	0.0056	6.69E-01	0.0191	0.0053	8.99E-04	-0.0201	0.0051	2.51E-04		

EA: effect allele; NEA: non-effect allele; beta: effect size; se: standard error for beta; p: p-value

Supplementary Table 5. Summary statistics of genetic proxies of LDL-C-lowering drugs.

The summary statistics with regard to LDL-C were extracted from the meta-analysis of genome-wide association study (GWAS) conducted by the Global Lipids Genetics Consortium (3) while the statistics regarding TB-BMD and eBMD were extracted from a GWAS meta-analysis (4)and a GWAS conducted in UK Biobank participants (5) respectively. The choice of genetic proxies was made with reference to Lotta *et al*., 2016(6).

		GWAS of LDL-C					**GWAS of TB-BMD**					**GWAS of eBMD**				
Gene encoding molecular target of LDL-C-lowering therapy	**Genetic Proxy**	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**P**	**EA**	**NEA**	**beta**	**se**	**p**
HMGCR	rs12916	T	C	-0.0733	0.0038	7.79E-78	T	C	0.0149	0.0058	0.01059	T	C	0.0085	0.0034	0.003
	rs5744707	G	A	0.0549	0.0061	5.85E-19	A	G	0.015	0.0096	0.1177	A	G	0.0112	0.0057	0.025
	rs16872526	G	T	0.0407	0.0068	2.36E-08	T	G	-0.0111	0.0105	0.2902	T	G	0.0114	0.0060	0.062
NPC1L1	rs2073547	G	A	0.0485	0.0049	1.92E-21	A	G	0.0045	0.0075	0.5488	A	G	-0.0044	0.0043	0.480
	rs217386	G	A	0.0363	0.0038	1.20E-19	A	G	0.0024	0.0058	0.6833	G	A	0.0002	0.0034	0.940
PCSK9	rs11591147	G	T	0.4970	0.0180	8.58E-143	T	G	0.0029	0.0285	0.9179	G	T	-0.0195	0.0127	0.120
ABCG5/G8	rs4299376	G	T	0.0812	0.0045	3.94E-72	T	G	0.003	0.0062	0.6283	G	T	-0.0030	0.0036	0.380
LDLR	rs6511720	G	T	0.2209	0.0061	3.85E-262	T	G	0.004	0.0093	0.6635	G	T	-0.0053	0.0052	0.200

EA: effect allele; NEA: non-effect allele; beta: effect size; se: standard error for beta; p: p-value

Supplementary Table 6. Summary statistics of 76 SNPs included in the Mendelian Randomization analysis to examine the causal effects of LDL-C on fracture.

The summary statistics with regard to blood lipid levels were extracted from the meta-analysis of genome-wide association study (GWAS) conducted by the Global Lipids Genetics Consortium(3). The statistics regarding eBMD were extracted from a GWAS conducted in participants of UK Biobank(5). For fracture, the summary statistics were obtained from a meta-analysis of GWAS, with 37,857 cases and 227,116 controls (7).

SNP	GWAS of Lipids											GWAS of eBMD					GWAS of fracture					Original SNP (For proxies only)	r^2
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p	EA	NEA	beta	se	p		
			beta	se	p	beta	se	p	beta	se	p												
rs10401969	T	C	0.118	0.007	2.65E-54	-0.013	0.007	0.102	0.121	0.007	9.7E-70	T	C	-0.01493	0.006368	0.016	T	C	-0.0332	0.016	0.03812		
rs10832962	T	C	0.032	0.004	6.62E-14	0.004	0.004	0.333	0.011	0.004	0.00518	C	T	0.001078	0.003847	0.74	T	C	0.0033	0.0093	0.7228		
rs11563251	T	C	0.035	0.006	4.5E-08	0.006	0.006	0.365	0.008	0.006	0.0826	C	T	0.004351	0.005319	0.7	T	C	-0.0159	0.0133	0.2309		
rs16831243	T	C	0.038	0.006	9.06E-12	0.011	0.005	0.039	-0.001	0.005	0.987	C	T	0.009475	0.005503	0.061	T	C	-0.0045	0.0129	0.7266		
rs17508045	T	C	0.049	0.007	4.91E-12	-0.009	0.006	0.0466	-0.008	0.006	0.4	T	C	0.018082	0.005922	0.0024	T	C	0.0068	0.0146	0.6402		
rs2030746	T	C	0.021	0.004	8.61E-09	-0.003	0.004	0.306	0.003	0.004	0.491	C	T	-0.00153	0.003392	0.94	T	C	0.0095	0.0083	0.2504		
rs314253	T	C	0.024	0.004	3.44E-10	-0.003	0.004	0.353	0.009	0.003	0.0298	T	C	0.006262	0.003521	0.13	T	C	0.0074	0.0085	0.3871		
rs4942486	T	C	0.024	0.004	2.26E-11	-0.014	0.003	0.000116	0.007	0.003	0.0238	T	C	0.000458	0.003371	0.77	T	C	0.0123	0.0081	0.1291		

SNP	GWAS of Lipids											GWAS of eBMD					GWAS of fracture					Original SNP (For proxies only)	r^2
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p	EA	NEA	beta	se	p		
			beta	se	p	beta	se	p	beta	se	p												
rs5763662	T	C	0.077	0.012	1.19E-08	0.033	0.011	0.00637	0	0.011	0.888	C	T	0.026483	0.011429	0.046	T	C	-0.0074	0.0279	0.7906		
rs6016381	T	C	0.036	0.004	6.85E-20	-0.008	0.004	0.0608	0.014	0.003	1.99E-05	T	C	-0.00304	0.003507	0.45	T	C	-0.0124	0.0084	0.1411		
rs646776	T	C	0.16	0.004	1.63E-272	-0.034	0.004	2.72E-15	0.003	0.004	0.373	C	T	0.012665	0.004019	0.0043	T	C	0.0158	0.0098	0.107		
rs653178	T	C	0.023	0.004	3.88E-09	0.026	0.004	1.06E-12	-0.01	0.003	0.0288	C	T	0.007055	0.003355	0.025	T	C	-0.0205	0.0081	0.01176		
rs6544713	T	C	0.081	0.004	4.84E-83	-0.003	0.004	0.388	0.013	0.004	0.00096	T	C	-0.00303	0.003559	0.38	T	C	0.006	0.0088	0.4953		
rs6603981	T	C	0.034	0.004	3.1E-13	0.004	0.004	0.381	0.007	0.004	0.174	C	T	0.008575	0.004138	0.021	T	C	0.0366	0.0101	0.000294		
rs688	T	C	0.054	0.004	1.01E-43	-0.011	0.003	0.00155	0.004	0.003	0.218	C	T	-0.00023	0.003401	0.72	T	C	0.0101	0.0082	0.2184		
rs7832643	T	G	0.034	0.004	2.67E-17	-0.001	0.004	0.595	0.002	0.003	0.472	G	T	-0.00775	0.003451	0.02	T	G	0.0137	0.0084	0.1013		
rs8176720	T	C	0.033	0.004	1.59E-17	0.001	0.004	0.943	-0.007	0.004	0.0609	T	C	-0.00716	0.003577	0.035	T	C	0.0047	0.0086	0.5802		
rs1010167	G	C	0.025	0.004	6.22E-11	-0.004	0.004	0.396	0.002	0.004	0.808	C	G	0.003905	0.003465	0.27	C	G	-0.0244	0.0085	0.004116		
rs10903129	G	A	0.033	0.004	3.03E-17	0.001	0.003	0.859	0.008	0.003	0.00588	A	G	0.009788	0.003349	0.0013	A	G	0.005	0.0081	0.5398		

SNP	GWAS of Lipids											GWAS of eBMD					GWAS of fracture					Original SNP (For proxies only)	r^2
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p	EA	NEA	beta	se	p		
			beta	se	p	beta	se	p	beta	se	p												
rs1800562	G	A	0.062	0.008	8.25E-14	0.007	0.007	0.242	-0.013	0.007	0.172	G	A	0.007845	0.005951	0.41	A	G	0.0154	0.0155	0.3203		
rs217386	G	A	0.036	0.004	1.2E-19	-0.001	0.004	0.499	0.01	0.003	0.00635	G	A	0.000242	0.003363	0.94	A	G	-0.0055	0.0084	0.5125		
rs2288002	G	A	0.029	0.004	1.26E-12	0.007	0.004	0.121	0.009	0.003	0.00169	A	G	0.001354	0.003448	0.48	A	G	-0.0073	0.0083	0.3753		
rs2642438	G	A	0.035	0.004	7.32E-16	0.03	0.004	7.78E-14	-0.017	0.004	5.27E-06	A	G	0.003686	0.003646	0.35	A	G	-0.0119	0.009	0.1881		
rs2737252	G	A	0.031	0.004	7.04E-14	0.013	0.004	0.00394	0.009	0.004	0.0107	G	A	-0.03785	0.003747	1.9E-23	A	G	-0.0334	0.009	0.000215		
rs2980885	G	A	0.031	0.005	6.26E-11	-0.035	0.004	1.73E-14	0.058	0.004	3E-40	G	A	0.000665	0.004072	0.9	A	G	0.005	0.0099	0.6126		
rs364585	G	A	0.025	0.004	4.28E-10	0.001	0.004	0.822	-0.002	0.003	0.44	A	G	0.006019	0.003453	0.19	A	G	0.0052	0.0083	0.5361		
rs4148218	G	A	0.044	0.005	6.76E-21	-0.003	0.004	0.456	0.004	0.004	0.295	G	A	-0.00086	0.004307	0.83	A	G	-0.006	0.0105	0.5657		
rs4587594	G	A	0.049	0.004	1.63E-32	0.015	0.004	0.000108	0.069	0.004	3.5E-82	G	A	-0.00035	0.003497	0.72	A	G	-0.0036	0.0085	0.6752		
rs492602	G	A	0.029	0.004	9.42E-14	-0.003	0.004	0.427	0.014	0.004	0.000248	A	G	0.010883	0.00337	0.0023	A	G	-0.0179	0.0082	0.02896		
rs6511720	G	T	0.221	0.006	3.85E-262	-0.025	0.006	6.32E-05	0.008	0.006	0.104	G	T	-0.00534	0.005214	0.2	T	G	0.0158	0.0128	0.2158		

SNP	GWAS of Lipids											GWAS of eBMD					GWAS of fracture					Original SNP (For proxies only)	r^2
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p	EA	NEA	beta	se	p		
			beta	se	p	beta	se	p	beta	se	p												
rs7254892	G	A	0.485	0.012	0	-0.053	0.011	4.17E-05	-0.124	0.011	1.4E-24	G	A	-0.01621	0.0097	0.091	A	G	0.0341	0.0237	0.1501		
rs868943	G	A	0.026	0.004	8.44E-11	0.008	0.004	0.0355	0.014	0.003	0.000318	G	A	0.002943	0.003383	0.41	A	G	-0.0037	0.0082	0.6534		
rs9875338	G	A	0.027	0.004	2.21E-11	0.007	0.004	0.021	0.014	0.003	1.62E-05	G	A	-0.0083	0.003428	0.015	A	G	-0.0016	0.0083	0.8482		
rs1169288	C	A	0.038	0.004	6.45E-21	0.01	0.004	0.00913	0.003	0.004	0.42	A	C	0.000906	0.003663	0.68	A	C	0.0008	0.0089	0.9322		
rs12670798	C	T	0.034	0.004	4.81E-14	-0.001	0.004	0.733	0.01	0.004	0.0168	T	C	0.005397	0.003864	0.17	T	C	-0.0061	0.0095	0.5224		
rs1564348	C	T	0.048	0.005	2.76E-21	-0.008	0.005	0.168	0.016	0.005	0.000491	T	C	0.006985	0.004481	0.11	T	C	-0.0011	0.0109	0.9211		
rs1800961	C	T	0.069	0.011	6.03E-10	0.127	0.01	1.64E-34	0.002	0.009	0.702	C	T	-0.00989	0.00977	0.23	T	C	-0.0203	0.0234	0.3866		
rs1883025	C	T	0.03	0.004	6.14E-11	0.07	0.004	1.5E-65	0.022	0.004	2.91E-07	C	T	0.001211	0.003864	0.87	T	C	0.0011	0.0095	0.9041		
rs1998013	C	T	0.381	0.022	3.02E-48	-0.035	0.02	0.413	-0.009	0.02	0.657	C	T	-0.00232	0.029618	0.98	T	C	0.061	0.0609	0.3165		
rs2247056	C	T	0.025	0.004	1.42E-08	0.012	0.004	0.00379	0.038	0.004	3.86E-21	T	C	8.04E-05	0.003654	0.89	T	C	0.0035	0.0093	0.7077		
rs2297374	C	T	0.033	0.004	1.26E-15	-0.006	0.004	0.218	0.009	0.003	0.00474	C	T	-0.01161	0.003468	0.0013	T	C	0.0063	0.0084	0.4534		

SNP	GWAS of Lipids											GWAS of eBMD					GWAS of fracture					Original SNP (For proxies only)	r^2
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p	EA	NEA	beta	se	p		
			beta	se	p	beta	se	p	beta	se	p												
rs2326077	C	T	0.034	0.004	5E-17	0.004	0.004	0.218	0.018	0.003	5.35E-07	C	T	-0.00028	0.003559	0.96	T	C	0.0253	0.0086	0.003255		
rs2328223	C	A	0.03	0.005	5.63E-09	0	0.005	0.859	-0.007	0.005	0.115	A	C	0.004296	0.004325	0.27	A	C	0.0021	0.0106	0.8402		
rs2954022	C	A	0.055	0.004	2.39E-47	-0.04	0.003	2.12E-29	0.078	0.003	2.2E-113	C	A	-0.00488	0.003375	0.17	A	C	0.0096	0.0081	0.2367		
rs4722551	C	T	0.039	0.005	3.95E-14	0.01	0.005	0.0247	-0.027	0.004	1.58E-09	T	C	-0.00101	0.004546	0.69	T	C	0.0134	0.0111	0.227		
rs515135	C	T	0.139	0.005	1.09E-178	-0.011	0.004	0.00901	0.019	0.004	0.000136	T	C	0.010239	0.004326	0.029	T	C	-0.0214	0.0107	0.04453		
rs579459	C	T	0.067	0.005	2.42E-44	0.015	0.004	0.00168	-0.014	0.004	0.00108	T	C	0.02648	0.004152	4.5E-12	T	C	-0.0114	0.01	0.2557		
rs6065311	C	T	0.042	0.004	1.66E-30	0.002	0.003	0.437	0.006	0.003	0.0227	T	C	0.004187	0.003377	0.19	T	C	0.0114	0.0081	0.1597		
rs6882076	C	T	0.046	0.004	3.31E-31	0.002	0.004	0.685	0.029	0.004	1.51E-15	T	C	0.002992	0.00349	0.63	T	C	-0.0007	0.0085	0.9355		
rs7225700	C	T	0.03	0.004	3.56E-13	0.01	0.004	0.0235	-0.005	0.004	0.236	T	C	0.012217	0.003524	0.00011	T	C	0.0033	0.0085	0.6946		
rs7264396	C	T	0.025	0.005	4.41E-08	0.005	0.004	0.0602	0.011	0.004	0.00258	C	T	0.003309	0.00415	0.32	T	C	0.0099	0.0099	0.3172		
rs7640978	C	T	0.039	0.007	9.84E-09	0	0.006	0.722	0.018	0.006	0.00554	C	T	-0.01837	0.005903	0.00036	T	C	-0.0118	0.0152	0.437		

SNP	GWAS of Lipids											GWAS of eBMD					GWAS of fracture					Original SNP (For proxies only)	r^2
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p	EA	NEA	beta	se	p		
			beta	se	p	beta	se	p	beta	se	p												
rs903319	C	T	0.027	0.004	5.22E-11	0.01	0.004	0.0122	-0.005	0.004	0.138	T	C	-0.00332	0.003806	0.29	T	C	-0.0063	0.0091	0.4909		
rs10102164	A	G	0.032	0.005	3.74E-11	-0.001	0.004	0.797	0.011	0.004	0.00687	G	A	-0.00842	0.004115	0.04	A	G	0.0056	0.01	0.578		
rs10790162	A	G	0.076	0.007	1.09E-23	-0.095	0.007	9.91E-40	0.231	0.007	1.1E-249	A	G	0.003687	0.006686	0.61	A	G	0.0045	0.0162	0.7815		
rs11220462	A	G	0.059	0.006	6.61E-21	-0.016	0.006	0.00875	0.019	0.005	0.00132	G	A	-0.00251	0.004949	0.65	A	G	0.0029	0.0119	0.8077		
rs1367117	A	G	0.119	0.004	9.48E-183	-0.022	0.004	7.59E-09	0.025	0.004	1.06E-11	G	A	0.007902	0.003536	0.04	A	G	0.0058	0.0088	0.5121		
rs1535	A	G	0.053	0.004	7.77E-41	0.039	0.004	5.74E-27	-0.046	0.004	5.49E-40	A	G	-0.01948	0.003524	2.2E-08	A	G	0.0145	0.0085	0.08949		
rs17345563	A	G	0.036	0.006	2.04E-09	-0.014	0.005	0.00462	0.015	0.005	0.0039	A	G	0.002534	0.005305	0.73	A	G	0.0062	0.0128	0.6278		
rs174532	A	G	0.035	0.004	3.13E-16	0.021	0.004	6.93E-08	-0.016	0.004	3.44E-05	G	A	0.009367	0.003668	0.0087	A	G	0.0074	0.009	0.4134		
rs2000999	A	G	0.065	0.005	4.22E-41	0.002	0.004	0.952	0.019	0.004	7.49E-07	G	A	0.000821	0.00429	0.93	A	G	0.0116	0.0104	0.2613		
rs2255141	A	G	0.03	0.004	1.32E-13	0.034	0.004	2.35E-17	-0.021	0.004	1.7E-09	A	G	0.002283	0.003752	0.48	A	G	0.0012	0.009	0.896		
rs2294261	A	C	0.033	0.004	6.57E-17	-0.009	0.004	0.0206	0.002	0.003	0.587	A	C	0.002824	0.003361	0.39	A	C	0.0105	0.0083	0.2048		

SNP	GWAS of Lipids											GWAS of eBMD					GWAS of fracture					Original SNP (For proxies only)	r^2
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p	EA	NEA	beta	se	p		
			beta	se	p	beta	se	p	beta	se	p												
rs2587534	A	G	0.039	0.004	8.06E-25	0.009	0.003	0.00385	0.004	0.003	0.271	G	A	0.01086	0.00337	0.0029	A	G	0.008	0.0082	0.3317		
rs267733	A	G	0.033	0.005	5.29E-09	-0.016	0.005	0.00358	0.003	0.005	0.616	A	G	0.007519	0.004537	0.066	A	G	0.0039	0.0112	0.7296		
rs2710642	A	G	0.024	0.004	6.09E-09	-0.01	0.004	0.00769	0.007	0.003	0.0471	G	A	-0.00935	0.003554	0.02	A	G	-0.0161	0.0086	0.06205		
rs3780181	A	G	0.045	0.007	1.76E-09	0.004	0.007	0.542	-0.007	0.007	0.491	A	G	-0.00481	0.006769	0.42	A	G	0.0111	0.0161	0.4888		
rs4240624	A	G	0.067	0.006	2.62E-23	0.082	0.006	1.32E-45	-0.028	0.006	1.09E-06	G	A	0.048259	0.00583	4.2E-18	A	G	0.0216	0.0143	0.1305		
rs4530754	A	G	0.028	0.004	3.58E-12	0.001	0.003	0.934	0.002	0.003	0.742	G	A	0.012539	0.003378	0.00026	A	G	-0.0017	0.0082	0.8323		
rs6489818	A	G	0.028	0.005	4.57E-09	0	0.005	0.928	-0.004	0.004	0.54	G	A	-0.00065	0.004417	0.95	A	G	-0.0006	0.0106	0.957		
rs6859	A	G	0.084	0.004	4.65E-88	-0.018	0.004	7.73E-06	0.014	0.004	0.000081	A	G	-0.00558	0.003417	0.13	A	G	-0.0002	0.0083	0.9813		
rs7703051	A	C	0.073	0.004	1.4E-77	0.002	0.004	0.421	0.006	0.003	0.163	C	A	0.009694	0.003479	0.00089	A	C	0.0087	0.0084	0.2983		
rs8017377	A	G	0.03	0.004	2.52E-15	-0.004	0.004	0.434	0.006	0.004	0.142	G	A	-0.00119	0.003377	0.51	A	G	0.0065	0.0082	0.4284		
rs9989419	A	G	0.028	0.004	2.49E-12	-0.147	0.004	0	0.024	0.004	1.05E-11	A	G	-0.00965	0.003445	0.0072	A	G	-0.0061	0.0085	0.4762		

SNP	GWAS of Lipids											GWAS of eBMD					GWAS of fracture					Original SNP (For proxies only)	r^2
	EA	NEA	LDL-C			HDL-C			Triglycerides			EA	NEA	beta	se	p	EA	NEA	beta	se	p		
			beta	se	p	beta	se	p	beta	se	p												
rs1250259	T	A	-0.0298	0.006	0.00000146	0.0031	0.0055	0.6147	-0.0055	0.0053	0.1788	T	A	-0.00948	0.003813	0.019	A	T	-0.0114	0.0093	0.2166	rs1250229	0.9415
rs10260606	G	C	-0.0427	0.0049	3.332E-17	0.0071	0.0046	0.1485	-0.0152	0.0044	0.002871	G	C	-0.00471	0.004304	0.46	C	G	-0.0002	0.0108	0.9843	rs2073547	1

EA: effect allele; NEA: non-effect allele; beta: effect size; se: standard error for beta; p: p-value

Supplementary Table 7. Summary statistics of 68 SNPs included in the Mendelian Randomization analysis to examine the causal effects of TB-BMD on coronary artery disease.

The summary statistics with regard to TB-BMD, blood lipid traits (including LDL-C, HDL-C and Triglycerides), diabetes, BMI and CAD were employed to conduct multivariable mendelian randomization analysis. The sources of data are listed out as follows: TB-BMD from a GWAS meta-analysis (4); LDL-C, HDL-C and triglycerides from the meta-analysis of GWAS conducted by the Global Lipids Genetics Consortium(3); diabetes from a meta-analysis of GWAS samples from the DIAbetes Genetic Replication And Meta-analysis(8); BMI from a meta-analysis of GWAS of the Genetic Investigation of ANthropometric Traits consortium data and the new study conducted in UK Biobank participants(9), and CAD from a meta-analysis of a GWAS conducted in UK Biobank participants and two recent GWAS (including UK Biobank participants)(10).

SNP	GWAS of TB-BMD				GWAS of lipids								GWAS of diabetes				GWAS of BMI				GWAS of CAD				Original SNP (For proxies only)	r2
							LDL-C		HDL-C		Triglycerides															
	EA	NEA	beta	se	EA	NEA	beta	se	beta	se	beta	se	EA	NEA	beta	se	EA	NEA	beta	se	EA	NEA	beta	se		
rs10048146	A	G	0.0477	0.0075	G	A	0.0051	0.0071	0.0112	0.0065	0.0036	0.0063	A	G	-0.008	0.016	A	G	-0.0026	0.0022	A	G	0.0194	0.0105	rs71390846	1.0000
rs10259383	T	C	0.0284	0.0057	C	T	0.0054	0.0053	0.0003	0.0049	-0.0014	0.0047	T	C	0.0094	0.012	T	C	0.0001	0.0017	T	C	0.0029	0.0082	rs56335989	1.0000
rs10276139	T	C	-0.0329	0.0073	T	C	0.0110	0.0069	-0.0039	0.0063	-0.0017	0.0061	T	C	0.021	0.015	T	C	0.0003	0.0022	C	T	0.0022	0.0110	rs28457747	1.0000
rs10490046	A	C	0.0429	0.0067	C	A	0.0123	0.0062	-0.0086	0.0058	0.0087	0.0057	A	C	0.0019	0.015	A	C	0.0003	0.0021	A	C	0.0096	0.0096		
rs10493013	T	C	-0.1013	0.0074	C	T	0.0057	0.0070	-0.0091	0.0064	0.0138	0.0062	T	C	-0.011	0.016	T	C	0.0066	0.0023	C	T	0.0160	0.0105	rs34920465	1.0000
rs10767632	C	G	0.0452	0.0058	G	C	0.0034	0.0054	0.0072	0.0049	0.0005	0.0048	C	G	0.017	0.012	C	G	-0.0080	0.0018	C	G	0.0027	0.0083	rs10450586	1.0000
rs10777212	T	G	0.0452	0.0060	G	T	0.0036	0.0056	-0.0039	0.0051	0.0117	0.0049	T	G	0.01	0.013	T	G	0.0012	0.0018	T	G	0.0058	0.0086		
rs10783575	T	C	0.0534	0.0063	C	T	0.0053	0.0058	-0.0114	0.0053	0.0124	0.0052	T	C	0.014	0.014	T	C	0.0003	0.0019	T	C	0.0076	0.0096	rs12424778	1.0000
rs10788264	A	G	-0.0338	0.0057	A	G	0.0020	0.0053	0.0069	0.0049	-0.0070	0.0048	A	G	-0.019	0.012	A	G	-0.0018	0.0018	A	G	0.0108	0.0084		
rs10835190	T	C	-0.0308	0.0066	T	C	0.0036	0.0043	0.0157	0.0040	-0.0138	0.0039	T	C	-0.02	0.015	T	C	-0.0253	0.0019	C	T	0.0172	0.0095	rs1352479	0.9741

SNP	GWAS of TB-BMD				GWAS of lipids								GWAS of diabetes				GWAS of BMI				GWAS of CAD				Original SNP (For proxies only)	r2
							LDL-C		HDL-C		Triglycerides															
	EA	NEA	beta	se	EA	NEA	beta	se	beta	se	beta	se	EA	NEA	beta	se	EA	NEA	beta	se	EA	NEA	beta	se		
rs10857805	A	T	0.0338	0.0057	T	A	0.0115	0.0053	-0.0156	0.0048	0.0121	0.0047	A	T	-0.013	0.013	A	T	0.0004	0.0017	T	A	0.0113	0.0082	rs7364724	1.0000
rs11023718	T	C	0.1123	0.0158	T	C	0.0180	0.0155	0.0286	0.0145	-0.0018	0.0141	T	C	-0.029	0.035	T	C	-0.0034	0.0050	C	T	0.0253	0.0196		
rs11097176	T	C	0.0617	0.0063	T	C	0.0039	0.0058	0.0007	0.0053	0.0059	0.0052	T	C	-0.003	0.013	T	C	-0.0060	0.0019	C	T	0.0061	0.0093	rs11934731	0.8754
rs11155797	T	C	0.0722	0.0058	C	T	0.0150	0.0054	-0.0045	0.0049	0.0082	0.0048	T	C	0.018	0.012	T	C	-0.0004	0.0018	T	C	0.0070	0.0083	rs6557155	1.0000
rs11612304	T	C	0.0363	0.0071	T	C	0.0039	0.0063	-0.0139	0.0058	0.0156	0.0057	T	C	-0.017	0.015	T	C	0.0029	0.0021	C	T	0.0131	0.0101	rs73200209	1.0000
rs11745493	A	G	0.0445	0.0065	G	A	0.0097	0.0059	-0.0069	0.0054	0.0034	0.0053	A	G	-0.013	0.014	A	G	-0.0045	0.0020	A	G	0.0266	0.0100		
rs11910328	A	G	-0.0429	0.0077	G	A	0.0004	0.0073	0.0029	0.0067	0.0085	0.0066	A	G	-0.014	0.017	A	G	-0.0010	0.0024	G	A	0.0064	0.0112		
rs11995824	C	G	0.0675	0.0058	G	C	0.0025	0.0052	-0.0011	0.0048	-0.0032	0.0047	C	G	0.025	0.012	C	G	-0.0016	0.0017	C	G	0.0077	0.0084		
rs12271290	T	C	-0.0781	0.0065	T	C	0.0041	0.0060	0.0012	0.0055	0.0009	0.0053	T	C	0.022	0.014	T	C	-0.0100	0.0019	T	C	0.0158	0.0094	rs11228240	0.9513
rs12800049	T	C	0.0525	0.0065	C	T	0.0106	0.0060	0.0044	0.0055	0.0022	0.0053	T	C	0.01	0.013	T	C	-0.0016	0.0020	T	C	0.0060	0.0093		
rs1286079	T	C	0.0551	0.0072	T	C	0.0004	0.0066	0.0077	0.0060	-0.0007	0.0060	T	C	0.0027	0.016	T	C	0.0036	0.0023	T	C	0.0032	0.0103		
rs12943500	T	C	-0.0374	0.0058	C	T	0.0032	0.0053	-0.0109	0.0049	0.0136	0.0048	T	C	-0.034	0.012	T	C	0.0075	0.0017	C	T	0.0305	0.0082	rs8070624	1.0000
rs13204965	A	C	0.0619	0.0070	C	A	0.0022	0.0069	-0.0069	0.0063	0.0045	0.0061	A	C	0.037	0.014	A	C	-0.0087	0.0020	C	A	0.0118	0.0101		
rs1366594	A	C	0.0484	0.0057	A	C	0.0005	0.0054	0.0041	0.0049	-0.0060	0.0048	A	C	0.022	0.012	A	C	-0.0032	0.0017	A	C	0.0100	0.0084		
rs1414660	T	C	0.0567	0.0076	C	T	0.0018	0.0080	0.0059	0.0074	0.0006	0.0071	T	C	0.03	0.016	T	C	-0.0025	0.0022	C	T	0.0114	0.0104	rs12044944	1.0000
rs1444581	A	G	-0.0402	0.0057	G	A	0.0010	0.0052	-0.0052	0.0048	0.0034	0.0047	A	G	0.021	0.012	A	G	0.0065	0.0017	A	G	0.0084	0.0081	rs6539288	1.0000
rs1524058	T	C	-0.0473	0.0057	T	C	0.0052	0.0053	0.0059	0.0049	-0.0042	0.0048	T	C	-0.0089	0.012	T	C	0.0001	0.0017	T	C	0.0024	0.0084		
rs1545161	A	G	0.0405	0.0057	A	G	0.0053	0.0037	-0.0052	0.0035	0.0085	0.0034	A	G	0.0006	0.012	A	G	0.0003	0.0016	G	A	0.0076	0.0086		

SNP	GWAS of TB-BMD				GWAS of lipids								GWAS of diabetes				GWAS of BMI				GWAS of CAD				Original SNP (For proxies only)	r2
							LDL-C		HDL-C		Triglycerides															
	EA	NEA	beta	se	EA	NEA	beta	se	beta	se	beta	se	EA	NEA	beta	se	EA	NEA	beta	se	EA	NEA	beta	se		
rs1548607	A	G	0.0363	0.0066	A	G	0.0046	0.0072	0.0040	0.0066	-0.0009	0.0064	A	G	-0.0063	0.015	A	G	0.0012	0.0019	G	A	0.0101	0.0092		
rs1550431	A	G	-0.0475	0.0085	A	G	0.0060	0.0082	0.0022	0.0075	-0.0006	0.0072	A	G	-0.015	0.02	A	G	-0.0005	0.0026	A	G	0.0015	0.0119	rs78572108	0.9517
rs16953045	T	G	-0.0246	0.0075	G	T	0.0011	0.0069	0.0002	0.0063	-0.0028	0.0062	T	G	0.017	0.016	T	G	0.0020	0.0023	G	T	0.0009	0.0109	rs34293575	1.0000
rs17132763	A	G	0.0910	0.0112	A	G	0.0154	0.0112	-0.0042	0.0103	0.0098	0.0100	A	G	0.052	0.025	A	G	0.0049	0.0036	A	G	0.0029	0.0157	rs73717393	1.0000
rs1936806	T	C	0.0355	0.0058	T	C	0.0071	0.0037	-0.0202	0.0035	0.0172	0.0034	T	C	-0.012	0.013	T	C	0.0014	0.0016	T	C	0.0122	0.0082	rs9482772	1.0000
rs2041490	C	G	0.0110	0.0074	C	G	0.0027	0.0070	0.0137	0.0064	-0.0052	0.0063	C	G	-0.014	0.016	C	G	-0.0043	0.0023	C	G	0.0044	0.0107		
rs2043230	A	T	0.0322	0.0057	A	T	0.0128	0.0053	-0.0029	0.0049	0.0048	0.0048	A	T	-0.0091	0.012	A	T	-0.0003	0.0017	A	T	0.0151	0.0084		
rs2052153	T	G	0.0357	0.0061	G	T	0.0161	0.0057	-0.0072	0.0052	0.0097	0.0050	T	G	-0.0007	0.013	T	G	-0.0043	0.0019	G	T	0.0064	0.0086	rs9907056	1.0000
rs2280243	T	G	-0.0313	0.0062	G	T	0.0061	0.0056	-0.0017	0.0051	0.0051	0.0050	T	G	0.0033	0.013	T	G	0.0001	0.0019	G	T	0.0164	0.0093	rs10048745	0.8236
rs2306032	C	G	-0.0457	0.0060	C	G	0.0161	0.0041	-0.0220	0.0038	0.0211	0.0038	C	G	-0.0079	0.013	C	G	-0.0023	0.0017	G	C	0.0084	0.0086	rs10838622	0.9715
rs2350085	T	C	-0.0643	0.0085	C	T	0.0094	0.0091	-0.0091	0.0082	0.0111	0.0082	T	C	0.0011	0.019	T	C	0.0066	0.0027	C	T	0.0051	0.0134	rs6716216	1.0000
rs2414095	A	G	-0.0326	0.0059	A	G	0.0014	0.0054	0.0054	0.0050	0.0025	0.0049	A	G	-0.0071	0.013	A	G	-0.0024	0.0018	G	A	0.0091	0.0086		
rs2553773	C	G	-0.0370	0.0058	C	G	0.0065	0.0053	-0.0019	0.0049	0.0037	0.0048	C	G	-0.027	0.012	C	G	-0.0023	0.0017	C	G	0.0041	0.0085		
rs2908007	A	G	-0.0912	0.0059	A	G	0.0097	0.0059	0.0096	0.0054	0.0008	0.0053	A	G	0.0079	0.013	A	G	-0.0061	0.0018	A	G	0.0062	0.0086	rs2536195	0.9332
rs2941741	A	G	0.0571	0.0057	G	A	0.0030	0.0053	-0.0148	0.0048	0.0070	0.0047	A	G	0.02	0.012	A	G	0.0007	0.0017	A	G	0.0053	0.0085		
rs344051	A	C	0.0470	0.0066	C	A	0.0017	0.0059	0.0058	0.0055	0.0065	0.0054	A	C	-0.012	0.014	A	C	-0.0003	0.0020	C	A	0.0011	0.0094	rs344024	1.0000
rs3743347	A	C	0.0519	0.0068	C	A	0.0112	0.0062	-0.0002	0.0057	-0.0013	0.0056	A	C	-0.015	0.015	A	C	-0.0087	0.0020	A	C	0.0007	0.0096	rs12901789	1.0000
rs3755955	A	G	-0.0737	0.0082	G	A	0.0089	0.0082	0.0000	0.0077	0.0016	0.0074	A	G	0.015	0.019	A	G	-0.0021	0.0025	A	G	0.0204	0.0116	rs6831280	1.0000

SNP	GWAS of TB-BMD				GWAS of lipids								GWAS of diabetes				GWAS of BMI				GWAS of CAD				Original SNP (For proxies only)	r2
							LDL-C		HDL-C		Triglycerides															
	EA	NEA	beta	se	EA	NEA	beta	se	beta	se	beta	se	EA	NEA	beta	se	EA	NEA	beta	se	EA	NEA	beta	se		
rs3801387	A	G	-0.1347	0.0063	A	G	0.0067	0.0058	0.0025	0.0054	-0.0019	0.0053	A	G	0.019	0.014	A	G	-0.0075	0.0019	G	A	0.0037	0.0094		
rs415997	A	C	0.0698	0.0057	A	C	0.0065	0.0052	-0.0071	0.0048	0.0056	0.0047	A	C	-0.013	0.012	A	C	-0.0006	0.0017	A	C	0.0027	0.0083		
rs4729260	C	G	0.0745	0.0062	C	G	0.0094	0.0058	-0.0094	0.0053	0.0041	0.0052	C	G	0.0006	0.013	C	G	0.0052	0.0019	C	G	0.0205	0.0088	rs6965122	0.9738
rs4731006	T	G	-0.0476	0.0060	T	G	0.0009	0.0054	-0.0062	0.0049	-0.0033	0.0048	T	G	0.0035	0.013	T	G	-0.0037	0.0018	G	T	0.0071	0.0086		
rs505404	T	G	-0.0507	0.0067	T	G	0.0026	0.0061	0.0018	0.0056	0.0024	0.0055	T	G	0.0034	0.014	T	G	-0.0007	0.0020	T	G	0.0014	0.0104		
rs634277	A	G	0.0607	0.0061	G	A	0.0084	0.0056	-0.0058	0.0052	-0.0008	0.0051	A	G	-0.0038	0.013	A	G	0.0003	0.0019	A	G	0.0020	0.0086		
rs6726762	A	G	-0.0469	0.0071	G	A	0.0091	0.0081	-0.0093	0.0076	-0.0001	0.0072	A	G	-0.013	0.015	A	G	-0.0103	0.0022	G	A	0.0011	0.0103	rs12621139	0.8570
rs7070913	A	G	-0.0680	0.0087	G	A	0.0068	0.0084	0.0040	0.0077	0.0055	0.0074	A	G	-0.012	0.019	A	G	-0.0030	0.0028	A	G	0.0089	0.0125	rs12258451	1.0000
rs7209460	T	C	0.0393	0.0063	C	T	0.0128	0.0058	0.0081	0.0053	0.0092	0.0052	T	C	0.013	0.013	T	C	0.0046	0.0019	T	C	0.0437	0.0088		
rs7269017	A	T	-0.0358	0.0056	A	T	0.0011	0.0053	0.0029	0.0049	0.0055	0.0047	A	T	-0.0036	0.012	A	T	0.0004	0.0017	A	T	0.0044	0.0082	rs6040063	1.0000
rs7277076	T	C	0.0305	0.0058	C	T	0.0071	0.0057	-0.0086	0.0053	0.0076	0.0051	T	C	-0.008	0.013	T	C	0.0024	0.0018	C	T	0.0060	0.0083		
rs7466269	A	G	0.0455	0.0060	A	G	0.0066	0.0038	-0.0089	0.0035	0.0065	0.0034	A	G	0.0054	0.013	A	G	-0.0020	0.0017	A	G	0.0198	0.0087	rs10901216	1.0000
rs7521902	A	C	-0.0664	0.0067	C	A	0.0005	0.0045	-0.0007	0.0042	0.0013	0.0041	A	C	0.015	0.014	A	C	-0.0004	0.0019	A	C	0.0077	0.0110	rs3971300	0.8783
rs7586085	A	G	0.0532	0.0057	A	G	0.0048	0.0052	-0.0026	0.0048	0.0023	0.0047	A	G	0.021	0.012	A	G	0.0016	0.0017	G	A	0.0144	0.0083		
rs7741085	T	C	0.0423	0.0057	T	C	0.0010	0.0052	-0.0004	0.0048	0.0053	0.0047	T	C	-0.0038	0.013	T	C	0.0023	0.0017	T	C	0.0024	0.0084		
rs7800583	A	G	-0.0324	0.0058	G	A	0.0003	0.0053	0.0010	0.0049	0.0007	0.0048	A	G	-0.0057	0.012	A	G	-0.0059	0.0017	G	A	0.0074	0.0083	rs3757493	1.0000
rs7812088	A	G	0.0575	0.0087	A	G	0.0012	0.0081	-0.0144	0.0074	-0.0022	0.0071	A	G	0.024	0.018	A	G	0.0041	0.0027	G	A	0.0152	0.0132	rs10233479	0.9515
rs7926837	A	G	-0.0564	0.0069	A	G	0.0021	0.0063	0.0005	0.0058	-0.0013	0.0057	A	G	0.0059	0.015	A	G	0.0019	0.0021	G	A	0.0137	0.0099		

SNP	GWAS of TB-BMD				GWAS of lipids								GWAS of diabetes				GWAS of BMI				GWAS of CAD				Original SNP (For proxies only)	r2
							LDL-C		HDL-C		Triglycerides															
	EA	NEA	beta	se	EA	NEA	beta	se	beta	se	beta	se	EA	NEA	beta	se	EA	NEA	beta	se	EA	NEA	beta	se		
rs884205	A	C	-0.0531	0.0068	A	C	0.0077	0.0062	-0.0079	0.0057	-0.0017	0.0056	A	C	-0.037	0.014	A	C	-0.0066	0.0020	C	A	0.0044	0.0097		
rs9594738	T	C	-0.0614	0.0057	T	C	0.0095	0.0053	-0.0011	0.0049	0.0050	0.0048	T	C	0.029	0.012	T	C	-0.0038	0.0017	T	C	0.0028	0.0084		
rs9910055	T	C	0.0442	0.0067	C	T	0.0036	0.0061	-0.0016	0.0056	0.0045	0.0055	T	C	0.016	0.014	T	C	0.0114	0.0021	C	T	0.0183	0.0094		
rs9976876	T	G	-0.0375	0.0058	T	G	0.0021	0.0054	-0.0001	0.0049	0.0004	0.0048	T	G	0.014	0.012	T	G	0.0005	0.0017	T	G	0.0086	0.0084		

EA: effect allele; NEA: non-effect allele; beta: effect size; se: standard error for beta

Supplementary Table 8. Summary statistics of 214 SNPs included in the Mendelian Randomization analysis to examine the causal effects of eBMD on coronary artery disease.

The summary statistics with regard to eBMD, blood lipid traits (including LDL-C, HDL-C and Triglycerides), diabetes, BMI and CAD were employed to conduct multivariable mendelian randomization analysis. The sources of data are listed out as follows: eBMD from a GWAS conducted in UK Biobank participants(5); LDL-C, HDL-C and triglycerides from the meta-analysis of GWAS conducted by the Global Lipids Genetics Consortium(3); diabetes from a meta-analysis of GWAS samples from the DIAbetes Genetic Replication And Meta-analysis(8); BMI from a meta-analysis of GWAS of the Genetic Investigation of ANthropometric Traits consortium data and the new study conducted in UK Biobank participants(9), and CAD from a meta-analysis of a GWAS conducted in UK Biobank participants and two recent GWAS (including UK Biobank participants)(10).

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs10022648	A	G	0.0229	0.0035	G	A	0.0001	0.0053	G	A	0.0008	0.0049	G	A	0.0021	0.0048	A	G	0.0130	0.0130	A	G	0.0032	0.0018	A	G	0.0139	0.0084		
rs10048146	A	G	0.0378	0.0043	G	A	0.0051	0.0071	G	A	0.0112	0.0065	G	A	0.0036	0.0063	A	G	-0.0080	0.0160	A	G	-0.0026	0.0022	A	G	0.0194	0.0105	rs71390846	1.000
rs10049090	G	A	0.0301	0.0036	A	G	0.0032	0.0056	A	G	0.0183	0.0051	G	A	0.0107	0.0050	A	G	0.0200	0.0130	A	G	-0.0044	0.0018	A	G	0.0054	0.0086	rs56082403	1.000
rs1005502	C	T	0.0253	0.0039	T	C	0.0103	0.0062	T	C	0.0001	0.0058	T	C	0.0048	0.0056	T	C	-0.0120	0.0140	T	C	0.0053	0.0020	T	C	0.0116	0.0092		
rs10066754	C	T	-0.0360	0.0057	T	C	0.0023	0.0101	C	T	0.0015	0.0093	C	T	0.0073	0.0090	T	C	0.0250	0.0190	T	C	-0.0025	0.0029	C	T	0.0058	0.0134	rs28744551	0.940
rs1015670	G	A	0.0204	0.0034	G	A	0.0091	0.0053	G	A	0.0030	0.0048	G	A	0.0034	0.0047	A	G	-0.0040	0.0120	A	G	-0.0036	0.0017	G	A	0.0222	0.0083	rs4806832	0.905
rs10206992	T	G	0.0241	0.0038	T	G	0.0081	0.0059	G	T	0.0064	0.0055	T	G	0.0036	0.0053	T	G	-0.0070	0.0140	T	G	0.0026	0.0020	T	G	0.0020	0.0093		

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs10244184	T	C	0.0336	0.0038	T	C	0.0027	0.0055	T	C	0.0016	0.0052	C	T	0.0018	0.0051	T	C	-0.0130	0.0140	T	C	0.0026	0.0021	C	T	0.0114	0.0097		
rs10411210	C	T	-0.0998	0.0058	T	C	0.0121	0.0062	T	C	0.0049	0.0057	C	T	0.0082	0.0057	T	C	0.0300	0.0210	T	C	0.0029	0.0028	T	C	0.0201	0.0139	rs7255601	0.860
rs1046033	A	G	0.0238	0.0034	G	A	0.0027	0.0053	G	A	0.0026	0.0048	A	G	0.0105	0.0047	A	G	0.0005	0.0120	A	G	0.0012	0.0017	G	A	0.0019	0.0081	rs2542710	1.000
rs1048932	C	A	-0.0400	0.0034	C	A	0.003	0.0037	C	A	0.0001	0.0034	C	A	0.0030	0.0033	A	C	-0.0240	0.0120	A	C	-0.0160	0.0017	C	A	0.0063	0.0083		
rs10490046	A	C	0.0327	0.0040	C	A	0.0123	0.0062	A	C	0.0086	0.0058	C	A	0.0087	0.0057	A	C	0.0019	0.0150	A	C	0.0003	0.0021	A	C	0.0096	0.0096		
rs1057079	C	T	-0.0219	0.0038	C	T	0.0052	0.0059	C	T	0.0055	0.0054	C	T	0.0017	0.0053	T	C	0.0370	0.0140	T	C	-0.0127	0.0020	T	C	0.0016	0.0091	rs75077113	0.875
rs10749451	C	T	0.0193	0.0034	T	C	0.0023	0.0052	T	C	0.0042	0.0048	C	T	0.0002	0.0047	T	C	-0.0067	0.0120	T	C	-0.0016	0.0017	T	C	0.0242	0.0083	rs7069328	1.000
rs10777221	T	C	-0.0563	0.0034	T	C	0.0015	0.0054	C	T	0.0038	0.0049	T	C	0.0101	0.0048	T	C	-0.0130	0.0130	T	C	0.0058	0.0018	C	T	0.0170	0.0082	rs10858944	1.000
rs10790256	C	T	0.0286	0.0040	C	T	0.0078	0.0062	T	C	0.0004	0.0057	T	C	0.0012	0.0056	T	C	0.0025	0.0150	T	C	0.0042	0.0021	C	T	0.0013	0.0096	rs10790255	0.884
rs10800531	A	T	-0.0213	0.0034	A	T	0.0065	0.0054	A	T	0.0022	0.0050	T	A	0.0007	0.0048	A	T	0.0160	0.0120	A	T	-0.0010	0.0017	T	A	0.0071	0.0083	rs35363078	0.977
rs10835489	G	A	0.0280	0.0049	G	A	0.0022	0.0076	A	G	0.0242	0.0070	G	A	0.0222	0.0069	A	G	-0.0300	0.0180	A	G	-0.0148	0.0025	G	A	0.0371	0.0116		
rs10885447	G	A	-0.0263	0.0041	A	G	0.0011	0.0064	A	G	0.0162	0.0059	A	G	0.0019	0.0057	A	G	0.0085	0.0150	A	G	-0.0064	0.0021	A	G	0.0038	0.0095		
rs10943130	C	T	0.0228	0.0034	C	T	0.0011	0.0052	T	C	0.0031	0.0048	C	T	0.0004	0.0047	T	C	0.0051	0.0120	T	C	0.0004	0.0017	T	C	0.0065	0.0081		

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs10992867	G	A	-0.0312	0.0039	G	A	0.0002	0.0058	A	G	0.0016	0.0054	G	A	0.0050	0.0052	A	G	0.0087	0.0140	A	G	0.0151	0.0020	A	G	0.0004	0.0090		
rs11029901	A	G	0.0453	0.0035	G	A	0.0058	0.0053	G	A	0.0069	0.0049	G	A	0.0007	0.0048	A	G	0.0180	0.0120	A	G	-0.0069	0.0018	A	G	0.0028	0.0084		
rs11067228	A	G	-0.0225	0.0034	G	A	0.0047	0.0057	A	G	0.0068	0.0053	G	A	0.0040	0.0051	A	G	-0.0170	0.0130	A	G	-0.0023	0.0018	A	G	0.0091	0.0085		
rs11133474	C	T	-0.0220	0.0036	T	C	0.0078	0.0055	C	T	0.0025	0.0051	T	C	0.0004	0.0049	T	C	0.0075	0.0130	T	C	-0.0015	0.0018	C	T	0.0070	0.0088		
rs1116470	T	C	-0.0286	0.0034	T	C	0.0063	0.0052	C	T	0.0008	0.0048	T	C	0.0038	0.0047	T	C	-0.0240	0.0120	T	C	-0.0021	0.0017	T	C	0.0036	0.0082	rs34136481	1.000
rs11209240	A	C	-0.0408	0.0046	C	A	0.0013	0.0051	C	A	0.0010	0.0048	A	C	0.0017	0.0047	A	C	-0.0360	0.0170	A	C	0.0010	0.0023	A	C	0.0245	0.0115		
rs1150442	T	C	-0.0319	0.0039	T	C	0.0014	0.0043	C	T	0.0065	0.0039	T	C	0.0097	0.0039	T	C	0.0310	0.0140	T	C	-0.0050	0.0019	T	C	0.0102	0.0092	rs3092018	1.000
rs1159798	A	C	0.0687	0.0040	A	C	0.0075	0.0098	C	A	0.0125	0.0092	A	C	0.0186	0.0089	A	C	-0.0059	0.0170	A	C	0.0022	0.0022	C	A	0.0069	0.0100		
rs11636403	C	T	-0.0347	0.0034	C	T	0.0006	0.0053	C	T	0.0022	0.0049	C	T	0.0075	0.0048	T	C	-0.0082	0.0130	T	C	0.0013	0.0018	T	C	0.0007	0.0084		
rs11637971	A	C	-0.0269	0.0037	C	A	0.0013	0.0057	A	C	0.0015	0.0052	C	A	0.0085	0.0051	A	C	0.0340	0.0130	A	C	0.0026	0.0019	C	A	0.0003	0.0088		
rs11643929	C	T	0.0171	0.0036	T	C	0.0069	0.0055	C	T	0.0014	0.0051	T	C	0.0044	0.0050	T	C	0.0045	0.0130	T	C	0.0062	0.0018	T	C	0.0019	0.0087		
rs11692042	T	C	-0.0203	0.0035	T	C	0.0009	0.0055	T	C	0.0024	0.0051	T	C	0.0014	0.0050	T	C	0.0270	0.0130	T	C	0.0061	0.0018	T	C	0.0138	0.0093	rs34588551	1.000
rs11826287	T	C	0.0346	0.0043	T	C	0.0027	0.0072	C	T	0.0031	0.0066	C	T	0.0066	0.0064	T	C	-0.0410	0.0160	T	C	0.0053	0.0022	C	T	0.0143	0.0116	rs11228219	1.000

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs11875132	T	C	0.0244	0.0034	C	T	0.0052	0.0056	T	C	0.0007	0.0051	T	C	0.0022	0.0051	T	C	0.0083	0.0120	T	C	0.0017	0.0018	C	T	0.0040	0.0082		
rs11894053	A	G	-0.0513	0.0041	A	G	0.0004	0.0065	G	A	0.0007	0.0060	A	G	0.0068	0.0058	A	G	-0.0069	0.0150	A	G	-0.0015	0.0021	G	A	0.0041	0.0097	rs7576689	1.000
rs11915970	A	T	-0.0384	0.0052	T	A	0.0093	0.0083	T	A	0.0001	0.0076	T	A	0.0014	0.0073	A	T	-0.0220	0.0190	A	T	-0.0084	0.0027	A	T	0.0124	0.0119		
rs11932130	A	G	-0.0265	0.0043	A	G	0.0025	0.0067	A	G	0.0037	0.0062	G	A	0.0073	0.0060	A	G	0.0360	0.0150	A	G	0.0075	0.0022	G	A	0.0259	0.0113	rs10013456	0.915
rs12042083	G	A	0.0469	0.0041	G	A	0.0047	0.0067	A	G	0.0019	0.0061	G	A	0.0001	0.0060	A	G	0.0094	0.0150	A	G	0.0044	0.0021	G	A	0.0081	0.0098	rs7519889	1.000
rs1219459	C	T	-0.0191	0.0034	C	T	0.0058	0.0056	C	T	0.0068	0.0052	T	C	0.0143	0.0050	T	C	-0.0030	0.0120	T	C	0.0072	0.0018	T	C	0.0125	0.0088	rs1622638	0.877
rs12241932	T	C	0.0336	0.0041	T	C	0.003	0.0061	C	T	0.0072	0.0056	T	C	0.0014	0.0055	T	C	-0.0190	0.0140	T	C	0.0005	0.0021	C	T	0.0140	0.0093		
rs12256387	C	A	0.1307	0.0055	C	A	0.0068	0.0084	C	A	0.0045	0.0077	C	A	0.0048	0.0074	A	C	-0.0110	0.0190	A	C	-0.0031	0.0028	A	C	0.0108	0.0126	rs7099953	1.000
rs12340775	G	A	0.0492	0.0075	G	A	0.0061	0.0112	G	A	0.0059	0.0103	A	G	0.0077	0.0103	A	G	-0.0210	0.0260	A	G	-0.0047	0.0040	G	A	0.0167	0.0185		
rs12478002	T	C	-0.0513	0.0038	C	T	0.0128	0.0059	T	C	0.0023	0.0054	T	C	0.0005	0.0052	T	C	-0.0360	0.0130	T	C	-0.0077	0.0019	C	T	0.0106	0.0103	rs62159864	0.951
rs12529766	C	G	0.0321	0.0049	C	G	0.0121	0.0081	G	C	0.0013	0.0073	G	C	0.0011	0.0073	C	G	0.0390	0.0220	C	G	0.0038	0.0026	G	C	0.0023	0.0113		
rs12623849	T	C	-0.0352	0.0057	C	T	0.0041	0.0085	C	T	0.0054	0.0079	T	C	0.0002	0.0078	T	C	0.0120	0.0200	T	C	0.0039	0.0029	C	T	0.0024	0.0128	rs56185026	1.000
rs12714415	T	C	0.0295	0.0048	C	T	0.0107	0.0049	C	T	0.0127	0.0045	T	C	0.0074	0.0044	T	C	0.0470	0.0160	T	C	0.0580	0.0022	T	C	0.0368	0.0112		

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs12777653	C	G	0.0218	0.0034	G	C	0	0.0053	C	G	0.0024	0.0049	G	C	0.0079	0.0048	C	G	-0.0130	0.0130	C	G	0.0024	0.0018	C	G	0.0001	0.0088	rs17688827	0.948
rs12801636	G	A	0.0323	0.0040	A	G	0.0078	0.0045	A	G	0.0235	0.0042	G	A	0.0177	0.0040	A	G	-0.0440	0.0150	A	G	0.0036	0.0020	G	A	0.0433	0.0097	rs66864335	1.000
rs13020883	C	A	0.0345	0.0045	C	A	0.0034	0.0074	C	A	0.0023	0.0068	C	A	0.0152	0.0066	A	C	-0.0150	0.0160	A	C	-0.0031	0.0023	C	A	0.0031	0.0111	rs4675694	1.000
rs13035978	A	G	-0.0257	0.0037	A	G	0.0022	0.0059	G	A	0.0005	0.0053	A	G	0.0011	0.0052	A	G	0.0049	0.0140	A	G	0.0011	0.0019	G	A	0.0114	0.0098	rs62195575	1.000
rs1323168	A	G	-0.0308	0.0052	A	G	0.0027	0.0079	G	A	0.0122	0.0072	G	A	0.0056	0.0070	A	G	-0.0053	0.0190	A	G	-0.0056	0.0027	A	G	0.0108	0.0123		
rs13248937	G	C	0.0288	0.0034	C	G	0.002	0.0054	C	G	0.0022	0.0049	G	C	0.0047	0.0048	C	G	-0.0150	0.0120	C	G	0.0031	0.0018	G	C	0.0062	0.0084	rs7003794	1.000
rs13328356	C	T	0.0237	0.0039	T	C	0.0051	0.0066	C	T	0.0061	0.0060	T	C	0.0081	0.0058	T	C	-0.0210	0.0140	T	C	0.0010	0.0021	T	C	0.0059	0.0103		
rs133441	A	T	-0.0241	0.0040	T	A	0.0039	0.0044	A	T	0.0170	0.0041	T	A	0.0149	0.0040	A	T	-0.0360	0.0140	A	T	-0.0035	0.0020	T	A	0.0337	0.0105		
rs1338908	C	T	0.0348	0.0034	T	C	0.0008	0.0052	C	T	0.0060	0.0048	T	C	0.0028	0.0047	T	C	-0.0120	0.0120	T	C	-0.0027	0.0017	C	T	0.0040	0.0081	rs144647275	0.831
rs134638	G	A	0.0428	0.0035	G	A	0.0017	0.0054	G	A	0.0070	0.0050	A	G	0.0050	0.0049	A	G	0.0240	0.0130	A	G	0.0009	0.0018	A	G	0.0139	0.0084	rs134639	1.000
rs1352014	A	T	-0.0263	0.0034	A	T	0.0088	0.0052	T	A	0.0015	0.0048	A	T	0.0094	0.0047	A	T	-0.0056	0.0120	A	T	0.0017	0.0017	T	A	0.0106	0.0083		
rs1386625	A	G	0.0479	0.0058	A	G	0.0107	0.0093	A	G	0.0047	0.0085	G	A	0.0072	0.0083	A	G	0.0260	0.0220	A	G	-0.0051	0.0030	A	G	0.0037	0.0162		
rs1412427	C	T	0.0257	0.0037	C	T	0.0078	0.0058	T	C	0.0042	0.0053	C	T	0.0084	0.0052	T	C	0.0003	0.0130	T	C	0.0014	0.0019	T	C	0.0036	0.0090	rs28550561	0.931

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs1414660	C	T	-0.0829	0.0042	C	T	0.0018	0.008	C	T	0.0059	0.0074	C	T	0.0006	0.0071	T	C	0.0300	0.0160	T	C	-0.0025	0.0022	C	T	0.0114	0.0104		
rs1415701	G	A	-0.0285	0.0038	A	G	0.0015	0.0044	G	A	0.0066	0.0042	G	A	0.0014	0.0040	A	G	0.0062	0.0140	A	G	-0.0080	0.0019	A	G	0.0129	0.0092		
rs1428968	C	T	-0.0338	0.0044	C	T	0.0002	0.0072	T	C	0.0022	0.0065	C	T	0.0054	0.0064	T	C	-0.0220	0.0160	T	C	0.0084	0.0023	T	C	0.0166	0.0108		
rs1471251	A	T	-0.0199	0.0034	T	A	0.0112	0.0053	A	T	0.0231	0.0048	T	A	0.0262	0.0047	A	T	-0.0120	0.0130	A	T	-0.0067	0.0018	T	A	0.0088	0.0085	rs5860048	0.876
rs1478610	G	A	0.0196	0.0035	A	G	0.0029	0.0073	A	G	0.0026	0.0066	A	G	0.0045	0.0066	A	G	0.0039	0.0150	A	G	-0.0047	0.0019	A	G	0.0040	0.0100	rs34202212	0.943
rs1487241	A	T	0.0256	0.0036	A	T	0.0053	0.0056	T	A	0.0074	0.0051	T	A	0.0114	0.0050	A	T	0.0090	0.0130	A	T	-0.0021	0.0019	T	A	0.0040	0.0089		
rs1502199	A	G	0.0232	0.0038	G	A	0.0055	0.0058	A	G	0.0093	0.0053	A	G	0.0009	0.0052	A	G	0.0130	0.0130	A	G	-0.0019	0.0020	G	A	0.0018	0.0090		
rs1550429	C	G	0.0039	0.0035	C	G	0.0083	0.0064	C	G	0.0045	0.0058	C	G	0.0018	0.0058	C	G	-0.0071	0.0140	C	G	-0.0017	0.0019	G	C	0.0003	0.0092		
rs1560633	T	C	-0.0221	0.0035	C	T	0.0039	0.0054	C	T	0.0100	0.0050	T	C	0.0016	0.0048	T	C	0.0210	0.0130	T	C	0.0002	0.0018	C	T	0.0107	0.0084		
rs16887121	A	G	-0.0449	0.0066	A	G	0.0045	0.0107	A	G	0.0002	0.0098	G	A	0.0071	0.0091	A	G	-0.0110	0.0230	A	G	0.0102	0.0034	A	G	0.0228	0.0178	rs72868839	0.929
rs16961974	T	C	0.0263	0.0039	T	C	0.0021	0.0058	T	C	0.0015	0.0053	C	T	0.0016	0.0053	T	C	0.0170	0.0140	T	C	-0.0039	0.0020	T	C	0.0091	0.0089		
rs17010957	T	C	-0.0302	0.0048	C	T	0.0064	0.0052	T	C	0.0138	0.0048	C	T	0.0029	0.0047	T	C	-0.0220	0.0180	T	C	0.0014	0.0023	C	T	0.0121	0.0113	rs72976751	1.000
rs1717731	T	C	-0.0698	0.0043	C	T	0.0102	0.0068	T	C	0.0096	0.0062	C	T	0.0107	0.0061	T	C	-0.0080	0.0150	T	C	0.0002	0.0022	T	C	0.0086	0.0104		

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs17236800	A	G	-0.0499	0.0043	A	G	0.0119	0.0067	G	A	0.0037	0.0062	G	A	0.0022	0.0060	A	G	0.0190	0.0160	A	G	0.0001	0.0022	G	A	0.0012	0.0110		
rs17457340	T	C	0.0641	0.0064	T	C	0.0098	0.0114	T	C	0.0074	0.0104	T	C	0.0022	0.0102	T	C	0.0160	0.0230	T	C	-0.0076	0.0033	T	C	0.0237	0.0162		
rs174574	A	C	0.0203	0.0035	C	A	0.0528	0.0047	C	A	0.0368	0.0044	A	C	0.0368	0.0041	A	C	-0.0510	0.0130	A	C	0.0030	0.0018	C	A	0.0262	0.0088		
rs17501090	C	A	0.0756	0.0114	C	A	0.0035	0.0199	C	A	0.0180	0.0193	A	C	0.0098	0.0177	A	C	0.0370	0.0400	A	C	-0.0028	0.0061	A	C	0.0097	0.0313		
rs17507577	G	A	-0.0463	0.0064	A	G	0.0195	0.0117	G	A	0.0036	0.0107	A	G	0.0090	0.0100	A	G	-0.0028	0.0210	A	G	0.0045	0.0033	G	A	0.0139	0.0152		
rs17514738	T	C	0.0234	0.0034	T	C	0.0007	0.0054	C	T	0.0012	0.0049	T	C	0.0033	0.0048	T	C	0.0230	0.0130	T	C	0.0009	0.0018	T	C	0.0034	0.0082		
rs17595156	G	A	-0.0337	0.0058	G	A	0.0009	0.0086	A	G	0.0007	0.0079	G	A	0.0020	0.0079	A	G	0.0220	0.0210	A	G	-0.0014	0.0029	G	A	0.0027	0.0138		
rs17598132	C	T	0.0282	0.0049	T	C	0.0009	0.0079	C	T	0.0050	0.0072	T	C	0.0042	0.0070	T	C	-0.0230	0.0180	T	C	-0.0025	0.0026	T	C	0.0018	0.0124		
rs17602572	C	G	0.0304	0.0034	C	G	0.0058	0.0053	G	C	0.0053	0.0049	C	G	0.0154	0.0047	C	G	0.0110	0.0130	C	G	0.0037	0.0018	G	C	0.0144	0.0084		
rs17630640	A	G	0.0279	0.0050	A	G	0.0075	0.0082	G	A	0.0082	0.0075	A	G	0.0200	0.0073	A	G	0.0750	0.0180	A	G	-0.0116	0.0026	A	G	0.0124	0.0124	rs73029263	1.000
rs17680862	G	C	0.0882	0.0106	C	G	0.015	0.0142	C	G	0.0770	0.0131	G	C	0.0254	0.0129	C	G	-0.0420	0.0350	C	G	0.0017	0.0052	G	C	0.0250	0.0257		
rs17731	G	A	0.0202	0.0035	G	A	0.0045	0.0055	G	A	0.0100	0.0051	A	G	0.0036	0.0049	A	G	-0.0220	0.0130	A	G	-0.0028	0.0018	G	A	0.0007	0.0084	rs68192277	0.864
rs17784418	A	G	0.0275	0.0035	A	G	0.0077	0.0053	A	G	0.0009	0.0049	G	A	0.0044	0.0048	A	G	0.0022	0.0120	A	G	-0.0006	0.0018	G	A	0.0229	0.0086	rs5880046	0.854

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs17807204	A	G	0.0416	0.0064	G	A	0.006	0.0103	G	A	0.0019	0.0094	G	A	0.0153	0.0092	A	G	0.0048	0.0240	A	G	-0.0134	0.0033	G	A	0.0167	0.0142	rs74439044	0.895
rs17817964	C	T	-0.0195	0.0034	T	C	0.0002	0.0037	C	T	0.0173	0.0035	T	C	0.0165	0.0034	T	C	0.1200	0.0120	T	C	0.0753	0.0017	T	C	0.0237	0.0085	rs9972653	1.000
rs1877998	G	A	0.0343	0.0043	G	A	0.0006	0.0068	G	A	0.0050	0.0062	G	A	0.0080	0.0061	A	G	-0.0030	0.0160	A	G	0.0070	0.0022	G	A	0.0011	0.0100		
rs1878289	C	G	-0.0236	0.0034	C	G	0.0009	0.0053	G	C	0.0017	0.0048	C	G	0.0007	0.0047	C	G	0.0110	0.0130	C	G	0.0000	0.0017	G	C	0.0008	0.0084	rs2675952	0.982
rs1878526	G	A	-0.0645	0.0041	A	G	0.0096	0.0066	A	G	0.0024	0.0061	G	A	0.0038	0.0059	A	G	0.0140	0.0150	A	G	-0.0030	0.0021	G	A	0.0145	0.0100		
rs1891002	T	A	0.0947	0.0037	A	T	0.0144	0.0042	T	A	0.0041	0.0039	A	T	0.0071	0.0038	A	T	-0.0140	0.0130	A	T	-0.0017	0.0018	T	A	0.0061	0.0088	rs4869744	1.000
rs1945114	G	T	0.0548	0.0034	G	T	0.0005	0.0053	T	G	0.0120	0.0049	G	T	0.0085	0.0048	T	G	0.0059	0.0130	T	G	-0.0028	0.0018	G	T	0.0078	0.0084	rs6589301	1.000
rs1953535	G	A	0.0376	0.0060	A	G	0.0024	0.0094	A	G	0.0219	0.0086	G	A	0.0260	0.0084	A	G	-0.0490	0.0210	A	G	-0.0011	0.0031	A	G	0.0039	0.0129	rs55874297	1.000
rs2049675	C	T	-0.0337	0.0040	T	C	0.0019	0.0079	C	T	0.0033	0.0070	C	T	0.0054	0.0068	T	C	-0.0170	0.0150	T	C	0.0023	0.0021	C	T	0.0002	0.0096	rs2696264	1.000
rs2097719	G	A	0.0206	0.0035	A	G	0.0083	0.0057	G	A	0.0034	0.0052	A	G	0.0056	0.0051	A	G	-0.0150	0.0130	A	G	0.0055	0.0018	G	A	0.0011	0.0085	rs4239232	0.907
rs2099901	C	G	-0.0294	0.0034	G	C	0.0044	0.0054	C	G	0.0008	0.0050	C	G	0.0035	0.0049	C	G	0.0086	0.0130	C	G	0.0030	0.0017	C	G	0.0025	0.0082	rs7088220	0.980
rs2104574	C	T	-0.0378	0.0037	C	T	0.002	0.0041	T	C	0.0088	0.0038	C	T	0.0111	0.0037	T	C	0.0130	0.0130	T	C	-0.0021	0.0018	T	C	0.0300	0.0091	rs1980854	1.000
rs2118610	T	C	-0.0203	0.0034	C	T	0.0054	0.0037	T	C	0.0050	0.0034	C	T	0.0080	0.0033	T	C	0.0003	0.0120	T	C	-0.0001	0.0016	T	C	0.0075	0.0085	rs28587205	1.000

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs212417	G	A	0.0338	0.0036	A	G	0.0011	0.0054	A	G	0.0035	0.0051	A	G	0.0022	0.0049	A	G	0.0280	0.0140	A	G	0.0037	0.0018	A	G	0.0120	0.0086		
rs215226	A	G	-0.0236	0.0034	G	A	0.0025	0.0056	A	G	0.0016	0.0051	G	A	0.0003	0.0050	A	G	-0.0130	0.0130	A	G	0.0024	0.0018	G	A	0.0011	0.0084	rs6489548	1.000
rs2273699	A	G	0.0420	0.0035	G	A	0.0032	0.0054	A	G	0.0056	0.0049	G	A	0.0034	0.0048	A	G	0.0300	0.0130	A	G	0.0159	0.0018	A	G	0.0235	0.0087	rs35816040	1.000
rs2275707	C	A	0.0335	0.0041	A	C	0.0015	0.0064	A	C	0.0002	0.0059	A	C	0.0017	0.0058	A	C	0.0170	0.0160	A	C	-0.0035	0.0021	A	C	0.0053	0.0101		
rs2277083	A	G	0.0317	0.0034	A	G	0.0066	0.0052	G	A	0.0047	0.0048	A	G	0.0022	0.0047	A	G	-0.0062	0.0130	A	G	-0.0003	0.0017	A	G	0.0045	0.0084	rs547545	0.978
rs2279743	T	C	0.0328	0.0048	C	T	0.004	0.0072	C	T	0.0116	0.0066	T	C	0.0094	0.0064	T	C	-0.0220	0.0170	T	C	0.0017	0.0025	C	T	0.0219	0.0111		
rs2297087	A	G	0.0319	0.0040	A	G	0.0132	0.0066	G	A	0.0063	0.0060	G	A	0.0081	0.0059	A	G	0.0096	0.0140	A	G	0.0061	0.0021	A	G	0.0031	0.0100	rs62558340	1.000
rs2301522	A	G	0.0298	0.0036	G	A	0.0004	0.0043	G	A	0.0120	0.0039	A	G	0.0074	0.0038	A	G	0.0270	0.0130	A	G	0.0091	0.0018	A	G	0.0078	0.0088		
rs2342139	A	T	0.0215	0.0035	T	A	0.0011	0.0056	T	A	0.0033	0.0052	A	T	0.0013	0.0050	A	T	-0.0140	0.0130	A	T	-0.0024	0.0018	T	A	0.0102	0.0085	rs34687052	0.979
rs239677	C	T	0.0283	0.0035	C	T	0.0026	0.0053	C	T	0.0133	0.0049	T	C	0.0092	0.0048	T	C	-0.0050	0.0120	T	C	-0.0008	0.0018	C	T	0.0031	0.0085		
rs2470145	T	C	0.0265	0.0069	T	C	0.0028	0.0114	T	C	0.0061	0.0103	T	C	0.0048	0.0099	T	C	0.0120	0.0260	T	C	0.0028	0.0035	C	T	0.0093	0.0175	rs55671949	1.000
rs2504069	C	T	-0.0451	0.0037	T	C	0.008	0.0062	T	C	0.0121	0.0057	T	C	0.0015	0.0056	T	C	0.0095	0.0140	T	C	0.0027	0.0019	T	C	0.0071	0.0093		
rs2509353	C	T	0.0226	0.0034	T	C	0.0007	0.0052	C	T	0.0048	0.0048	C	T	0.0075	0.0047	T	C	0.0210	0.0120	T	C	-0.0012	0.0017	C	T	0.0015	0.0084		

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs2624847	G	T	0.0244	0.0038	T	G	0.0043	0.0043	T	G	0.0199	0.0040	G	T	0.0049	0.0039	T	G	-0.0510	0.0140	T	G	-0.0099	0.0019	G	T	0.0144	0.0097		
rs2663345	A	G	0.0274	0.0036	A	G	0.005	0.0084	G	A	0.0138	0.0081	G	A	0.0015	0.0075	A	G	-0.0070	0.0160	A	G	-0.0056	0.0020	A	G	0.0008	0.0102	rs2376600	0.950
rs2668602	G	A	-0.0277	0.0035	A	G	0.0085	0.0053	G	A	0.0059	0.0049	A	G	0.0076	0.0048	A	G	0.0110	0.0120	A	G	0.0032	0.0018	G	A	0.0048	0.0084		
rs2737252	G	A	-0.0379	0.0037	G	A	0.0314	0.0041	G	A	0.0126	0.0038	G	A	0.0092	0.0037	A	G	0.0027	0.0140	A	G	-0.0170	0.0018	A	G	0.0063	0.0092		
rs2761887	C	A	-0.0520	0.0034	C	A	0.0061	0.0053	A	C	0.0085	0.0048	C	A	0.0055	0.0047	A	C	0.0180	0.0130	A	C	-0.0010	0.0017	A	C	0.0099	0.0082	rs71446481	1.000
rs283324	G	A	0.0244	0.0041	A	G	0.0032	0.0073	A	G	0.0026	0.0066	G	A	0.0077	0.0066	A	G	0.0390	0.0150	A	G	-0.0007	0.0021	G	A	0.0196	0.0103		
rs2836613	G	A	-0.0324	0.0039	G	A	0.0071	0.006	G	A	0.0008	0.0055	G	A	0.0039	0.0054	A	G	0.0210	0.0140	A	G	0.0078	0.0020	A	G	0.0311	0.0095		
rs2840075	G	A	-0.0318	0.0052	G	A	0.0073	0.0083	A	G	0.0047	0.0076	G	A	0.0020	0.0074	A	G	-0.0180	0.0190	A	G	0.0008	0.0027	A	G	0.0020	0.0123	rs11729023	1.000
rs2908007	A	G	-0.1660	0.0034	A	G	0.0097	0.0059	A	G	0.0096	0.0054	A	G	0.0008	0.0053	A	G	0.0079	0.0130	A	G	-0.0061	0.0018	A	G	0.0062	0.0086	rs2536195	0.933
rs2925987	A	C	0.0220	0.0040	C	A	0.0121	0.0068	A	C	0.0059	0.0063	C	A	0.0067	0.0061	A	C	-0.0130	0.0140	A	C	-0.0024	0.0021	C	A	0.0078	0.0098	rs4888151	0.887
rs2929308	T	A	0.0425	0.0034	T	A	0.0028	0.0053	T	A	0.0026	0.0048	A	T	0.0135	0.0047	A	T	-0.0077	0.0130	A	T	-0.0156	0.0017	T	A	0.0155	0.0084		
rs2941741	G	A	-0.0763	0.0034	G	A	0.003	0.0053	A	G	0.0148	0.0048	G	A	0.0070	0.0047	A	G	0.0200	0.0120	A	G	0.0007	0.0017	A	G	0.0053	0.0085		
rs3012463	C	T	0.0377	0.0036	T	C	0.0074	0.0054	C	T	0.0044	0.0050	T	C	0.0044	0.0049	T	C	-0.0045	0.0140	T	C	0.0006	0.0018	C	T	0.0102	0.0089	rs10713212	0.892

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs301790	G	C	0.0287	0.0035	G	C	0.0103	0.0054	G	C	0.0068	0.0050	C	G	0.0047	0.0049	C	G	0.0072	0.0130	C	G	0.0053	0.0018	C	G	0.0111	0.0089	rs2708632	1.000
rs302101	G	A	0.0217	0.0036	G	A	0.0033	0.0058	A	G	0.0015	0.0053	A	G	0.0002	0.0052	A	G	-0.0210	0.0140	A	G	-0.0007	0.0019	A	G	0.0029	0.0090		
rs3095208	T	C	-0.0249	0.0038	T	C	0.0099	0.0058	T	C	0.0078	0.0054	T	C	0.0026	0.0052	T	C	0.0066	0.0130	T	C	-0.0008	0.0020	T	C	0.0071	0.0099		
rs344083	A	C	0.0385	0.0040	C	A	0.0052	0.0062	A	C	0.0132	0.0057	C	A	0.0154	0.0055	A	C	0.0047	0.0140	A	C	-0.0059	0.0020	C	A	0.0005	0.0097		
rs346070	T	C	0.0300	0.0045	T	C	0.0064	0.0069	T	C	0.0143	0.0063	C	T	0.0081	0.0062	T	C	-0.0380	0.0160	T	C	0.0041	0.0023	C	T	0.0172	0.0115	rs77630528	0.974
rs353287	G	A	-0.0256	0.0035	A	G	0.0008	0.0058	A	G	0.0065	0.0053	G	A	0.0044	0.0052	A	G	-0.0004	0.0130	A	G	-0.0014	0.0018	G	A	0.0099	0.0089	rs368510	0.907
rs3744656	T	G	0.0286	0.0046	T	G	0.0115	0.0073	T	G	0.0018	0.0068	T	G	0.0060	0.0066	T	G	0.0220	0.0170	T	G	0.0026	0.0024	T	G	0.0104	0.0119	rs56235417	0.966
rs3760456	C	T	0.0267	0.0034	T	C	0.0077	0.0054	C	T	0.0096	0.0049	C	T	0.0039	0.0048	T	C	0.0160	0.0120	T	C	0.0102	0.0017	T	C	0.0320	0.0082	17:27961561_GATTATT_G	0.957
rs3776221	A	G	0.0241	0.0039	A	G	0.0147	0.0063	G	A	0.0067	0.0059	A	G	0.0001	0.0057	A	G	-0.0082	0.0140	A	G	0.0005	0.0020	A	G	0.0146	0.0095		
rs3790598	G	A	-0.0355	0.0045	G	A	0.004	0.0073	G	A	0.0069	0.0067	G	A	0.0102	0.0066	A	G	-0.0200	0.0170	A	G	-0.0067	0.0023	G	A	0.0089	0.0114	rs3790608	0.852
rs3829241	G	A	-0.0306	0.0034	A	G	0.0007	0.0037	G	A	0.0007	0.0035	A	G	0.0092	0.0034	A	G	0.0180	0.0120	A	G	0.0014	0.0017	A	G	0.0206	0.0085		
rs384804	T	C	0.0221	0.0034	C	T	0.0117	0.0055	C	T	0.0016	0.0050	T	C	0.0035	0.0049	T	C	0.0360	0.0120	T	C	0.0060	0.0018	T	C	0.0082	0.0086	rs56969212	0.971

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs3943015	T	C	0.0266	0.0040	T	C	0.0049	0.0073	T	C	0.0079	0.0065	T	C	0.0007	0.0065	T	C	-0.0140	0.0160	T	C	0.0010	0.0021	C	T	0.0153	0.0100	rs11832031	0.964
rs4072980	G	A	0.0192	0.0034	A	G	0.0006	0.0039	G	A	0.0073	0.0036	A	G	0.0098	0.0035	A	G	0.0230	0.0130	A	G	-0.0022	0.0017	G	A	0.0340	0.0087	rs4360494	0.897
rs415997	C	A	-0.0417	0.0034	A	C	0.0065	0.0052	C	A	0.0071	0.0048	A	C	0.0056	0.0047	A	C	-0.0130	0.0120	A	C	-0.0006	0.0017	A	C	0.0027	0.0083	rs370387	1.000
rs4233949	C	G	0.0746	0.0034	G	C	0.0004	0.0054	G	C	0.0016	0.0049	C	G	0.0014	0.0048	C	G	0.0120	0.0120	C	G	0.0007	0.0018	C	G	0.0003	0.0088		
rs4293126	G	A	0.0192	0.0034	A	G	0.0032	0.0053	A	G	0.0020	0.0048	A	G	0.0028	0.0047	A	G	0.0011	0.0130	A	G	-0.0026	0.0017	A	G	0.0071	0.0083	rs4505077	0.963
rs4301888	G	A	-0.0349	0.0072	A	G	0.0121	0.0119	G	A	0.0105	0.0109	A	G	0.0028	0.0108	A	G	-0.0290	0.0260	A	G	-0.0068	0.0037	G	A	0.0239	0.0166	rs147720516	0.912
rs4322451	T	C	-0.0364	0.0039	C	T	0.0065	0.0062	C	T	0.0030	0.0056	C	T	0.0036	0.0055	T	C	0.0140	0.0150	T	C	0.0044	0.0020	T	C	0.0026	0.0095	rs144339224	1.000
rs4325274	C	G	0.0319	0.0037	C	G	0.0056	0.0058	C	G	0.0041	0.0053	G	C	0.0007	0.0052	C	G	0.0300	0.0140	C	G	0.0010	0.0019	C	G	0.0076	0.0092	rs56928337	0.977
rs4448201	G	C	-0.0470	0.0035	C	G	0.0107	0.0057	G	C	0.0084	0.0052	C	G	0.0059	0.0051	C	G	0.0026	0.0130	C	G	0.0045	0.0018	C	G	0.0111	0.0089	rs4440558	0.975
rs4505759	C	T	-0.0526	0.0037	C	T	0.005	0.0069	T	C	0.0016	0.0064	C	T	0.0072	0.0061	T	C	-0.0230	0.0150	T	C	0.0056	0.0019	T	C	0.0117	0.0100		
rs4589135	T	C	0.0230	0.0034	C	T	0.0105	0.0054	T	C	0.0161	0.0050	C	T	0.0136	0.0049	T	C	-0.0110	0.0130	T	C	-0.0016	0.0018	C	T	0.0146	0.0085		
rs4790881	C	A	-0.0560	0.0037	C	A	0.0138	0.0058	C	A	0.0076	0.0053	C	A	0.0105	0.0052	A	C	0.0130	0.0130	A	C	0.0048	0.0019	A	C	0.0428	0.0088	rs35401268	0.931
rs4796995	A	G	0.0480	0.0035	A	G	0.0033	0.0054	G	A	0.0046	0.0049	A	G	0.0079	0.0048	A	G	0.0006	0.0130	A	G	0.0011	0.0018	A	G	0.0012	0.0084	rs1941749	1.000

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs4807630	C	T	0.0323	0.0037	C	T	0.0128	0.0049	C	T	0.0023	0.0047	T	C	0.0027	0.0044	T	C	-0.0370	0.0170	T	C	0.0016	0.0019	C	T	0.0059	0.0100	rs4807629	1.000
rs486141	G	A	0.0752	0.0088	A	G	0.0072	0.0132	G	A	0.0128	0.0122	A	G	0.0019	0.0118	A	G	0.0180	0.0320	A	G	0.0002	0.0046	A	G	0.0218	0.0175	rs525678	1.000
rs4941428	A	G	0.0001	0.0040	G	A	0.003	0.0062	A	G	0.0034	0.0057	A	G	0.0020	0.0056	A	G	-0.0330	0.0140	A	G	0.0012	0.0020	A	G	0.0157	0.0093	rs2147160	1.000
rs507666	G	A	0.0318	0.0043	A	G	0.0793	0.0066	A	G	0.0204	0.0062	G	A	0.0136	0.0060	A	G	0.0800	0.0160	A	G	0.0047	0.0023	A	G	0.0740	0.0104	rs587729126	0.966
rs603424	G	A	0.0310	0.0044	A	G	0.0156	0.0051	A	G	0.0010	0.0048	A	G	0.0044	0.0046	A	G	0.0200	0.0180	A	G	-0.0001	0.0022	A	G	0.0381	0.0101		
rs6038483	A	C	0.0364	0.0035	C	A	0.0001	0.0056	A	C	0.0003	0.0051	C	A	0.0021	0.0050	A	C	0.0008	0.0130	A	C	-0.0051	0.0018	A	C	0.0056	0.0086	rs62198536	1.000
rs6040006	C	T	0.0935	0.0100	C	T	0.0147	0.0111	T	C	0.0048	0.0102	C	T	0.0136	0.0100	T	C	0.0078	0.0390	T	C	0.0045	0.0048	T	C	0.0049	0.0247		
rs6040068	C	T	0.0354	0.0052	C	T	0.0059	0.0084	C	T	0.0069	0.0077	T	C	0.0113	0.0076	T	C	0.0039	0.0190	T	C	-0.0001	0.0027	C	T	0.0258	0.0116		
rs604279	G	C	-0.0224	0.0039	G	C	0.004	0.0061	C	G	0.0020	0.0056	G	C	0.0046	0.0056	C	G	0.0000	0.0140	C	G	-0.0037	0.0020	C	G	0.0264	0.0095	rs371471055	0.821
rs608870	C	T	0.0650	0.0036	T	C	0.0075	0.0056	C	T	0.0058	0.0052	T	C	0.0003	0.0051	T	C	0.0025	0.0130	T	C	-0.0002	0.0019	C	T	0.0007	0.0086	rs649693	1.000
rs609292	G	A	0.0308	0.0039	A	G	0.009	0.0061	A	G	0.0019	0.0056	A	G	0.0007	0.0054	A	G	-0.0042	0.0140	A	G	-0.0067	0.0020	A	G	0.0166	0.0097	rs170634	1.000
rs6117854	G	A	0.0353	0.0036	A	G	0.0112	0.0059	A	G	0.0016	0.0054	A	G	0.0042	0.0053	A	G	0.0130	0.0130	A	G	-0.0010	0.0019	G	A	0.0088	0.0090		
rs6120663	C	A	-0.0261	0.0034	C	A	0.0014	0.0053	C	A	0.0146	0.0048	A	C	0.0151	0.0047	A	C	0.0340	0.0120	A	C	0.0086	0.0017	A	C	0.0246	0.0083	rs13044413	1.000

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs6134038	A	G	0.0375	0.0042	G	A	0.0024	0.0047	G	A	0.0001	0.0044	A	G	0.0003	0.0042	A	G	0.0100	0.0150	A	G	-0.0029	0.0021	G	A	0.0026	0.0098		
rs633891	C	T	0.0198	0.0034	C	T	0.0033	0.0055	C	T	0.0023	0.0051	T	C	0.0036	0.0049	T	C	0.0074	0.0130	T	C	-0.0009	0.0018	T	C	0.0050	0.0083		
rs6456454	A	G	0.0411	0.0052	A	G	0.0043	0.0081	A	G	0.0043	0.0074	A	G	0.0052	0.0072	A	G	-0.0054	0.0190	A	G	-0.0061	0.0027	A	G	0.0081	0.0125	rs74971894	1.000
rs6471752	C	T	0.0292	0.0047	C	T	0.0029	0.007	T	C	0.0056	0.0065	T	C	0.0016	0.0063	T	C	-0.0086	0.0160	T	C	0.0052	0.0024	C	T	0.0055	0.0113		
rs6532022	G	T	0.0303	0.0036	G	T	0.0119	0.0055	G	T	0.0053	0.0050	G	T	0.0009	0.0049	T	G	-0.0029	0.0130	T	G	0.0049	0.0018	T	G	0.0133	0.0086	rs72655796	0.928
rs6592342	G	T	-0.0566	0.0065	T	G	0.001	0.0102	G	T	0.0148	0.0094	T	G	0.0070	0.0092	T	G	0.0034	0.0230	T	G	0.0007	0.0033	T	G	0.0142	0.0158	rs377062541	0.826
rs6680737	G	A	-0.0251	0.0034	A	G	0.0052	0.0037	G	A	0.0049	0.0034	A	G	0.0045	0.0033	A	G	-0.0069	0.0120	A	G	-0.0094	0.0016	A	G	0.0067	0.0084		
rs6701290	G	A	0.0425	0.0054	A	G	0.004	0.0081	A	G	0.0071	0.0075	G	A	0.0098	0.0073	A	G	-0.0370	0.0190	A	G	-0.0053	0.0028	G	A	0.0049	0.0123		
rs6732949	A	G	-0.0508	0.0038	A	G	0.0131	0.006	G	A	0.0045	0.0055	A	G	0.0060	0.0053	A	G	0.0110	0.0140	A	G	-0.0010	0.0019	G	A	0.0147	0.0094	rs34138479	1.000
rs6761129	C	T	-0.0356	0.0054	C	T	0.0143	0.0063	T	C	0.0069	0.0059	C	T	0.0048	0.0057	T	C	-0.1300	0.0200	T	C	0.0025	0.0026	T	C	0.0436	0.0128		
rs6870556	G	A	0.0211	0.0035	A	G	0.0005	0.0054	G	A	0.0051	0.0050	A	G	0.0032	0.0048	A	G	0.0240	0.0130	A	G	-0.0039	0.0018	A	G	0.0062	0.0083		
rs6882422	G	A	0.0328	0.0053	A	G	0.0251	0.0083	G	A	0.0123	0.0077	A	G	0.0102	0.0075	A	G	-0.0029	0.0200	A	G	-0.0057	0.0027	G	A	0.0069	0.0144		
rs6963134	A	G	-0.0524	0.0035	A	G	0.0021	0.0056	A	G	0.0086	0.0051	G	A	0.0043	0.0050	A	G	-0.0021	0.0130	A	G	-0.0004	0.0018	G	A	0.0055	0.0085	rs6956946	1.000

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs7030440	G	A	0.0303	0.0036	G	A	0.0071	0.0038	A	G	0.0082	0.0035	G	A	0.0053	0.0034	A	G	-0.0010	0.0130	A	G	0.0017	0.0017	G	A	0.0051	0.0086	rs537120594	1.000
rs719639	C	A	0.0257	0.0036	A	C	0.0044	0.0058	C	A	0.0043	0.0053	A	C	0.0100	0.0052	A	C	0.0140	0.0130	A	C	0.0014	0.0019	A	C	0.0099	0.0088	rs6454314	1.000
rs7225261	C	T	-0.0341	0.0035	T	C	0.0063	0.0053	C	T	0.0050	0.0049	T	C	0.0030	0.0048	T	C	-0.0095	0.0130	T	C	0.0022	0.0018	C	T	0.0017	0.0085	rs72829754	0.977
rs7301013	A	G	-0.0318	0.0047	G	A	0.0035	0.0072	G	A	0.0012	0.0066	A	G	0.0027	0.0065	A	G	0.0140	0.0170	A	G	-0.0053	0.0024	G	A	0.0151	0.0112		
rs7337984	A	G	0.0386	0.0037	G	A	0.0051	0.0057	A	G	0.0053	0.0053	A	G	0.0018	0.0051	A	G	0.0230	0.0130	A	G	0.0013	0.0019	G	A	0.0056	0.0088	rs2008411	1.000
rs7524102	A	G	-0.0626	0.0044	G	A	0.0052	0.007	A	G	0.0089	0.0064	G	A	0.0135	0.0062	A	G	-0.0170	0.0160	A	G	0.0070	0.0023	G	A	0.0158	0.0105	rs34963268	1.000
rs7527300	C	T	0.0307	0.0034	C	T	0.0032	0.0053	C	T	0.0031	0.0049	T	C	0.0018	0.0047	T	C	-0.0160	0.0130	T	C	0.0011	0.0018	C	T	0.0023	0.0084		
rs7535122	A	G	0.0233	0.0034	A	G	0.0061	0.0052	G	A	0.0040	0.0048	A	G	0.0070	0.0047	A	G	-0.0051	0.0130	A	G	0.0035	0.0018	A	G	0.0063	0.0082		
rs7556434	C	A	0.0226	0.0034	A	C	0.0077	0.0052	C	A	0.0057	0.0048	A	C	0.0068	0.0047	A	C	-0.0070	0.0120	A	C	-0.0038	0.0017	A	C	0.0028	0.0085	rs1080789	0.979
rs7569197	A	G	0.0224	0.0039	A	G	0.0005	0.0061	A	G	0.0020	0.0056	A	G	0.0040	0.0055	A	G	0.0083	0.0140	A	G	0.0014	0.0020	G	A	0.0073	0.0098	rs58057291	1.000
rs7578166	A	C	-0.0224	0.0034	C	A	0.0145	0.0053	C	A	0.0004	0.0049	C	A	0.0034	0.0047	A	C	0.0130	0.0120	A	C	-0.0011	0.0018	C	A	0.0079	0.0086		
rs757980	G	A	0.0375	0.0039	A	G	0.0085	0.0065	G	A	0.0114	0.0060	A	G	0.0008	0.0057	A	G	-0.0095	0.0150	A	G	0.0066	0.0021	G	A	0.0005	0.0101		
rs7698892	T	A	0.0344	0.0045	T	A	0.0033	0.007	A	T	0.0146	0.0064	A	T	0.0048	0.0062	A	T	0.0051	0.0160	A	T	-0.0036	0.0023	T	A	0.0130	0.0103	rs6839437	1.000

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs770379	A	G	0.0219	0.0034	G	A	0.0037	0.0053	G	A	0.0025	0.0048	G	A	0.0022	0.0047	A	G	0.0130	0.0120	A	G	-0.0044	0.0017	A	G	0.0035	0.0083	rs1149821	1.000
rs7741021	A	C	-0.0818	0.0034	C	A	0.0078	0.0037	A	C	0.0186	0.0034	C	A	0.0164	0.0033	A	C	0.0014	0.0120	A	C	-0.0014	0.0016	C	A	0.0109	0.0081		
rs7787043	C	T	-0.0297	0.0035	C	T	0.0003	0.0054	T	C	0.0002	0.0050	T	C	0.0033	0.0049	T	C	-0.0015	0.0130	T	C	0.0040	0.0018	C	T	0.0046	0.0084	rs10249754	1.000
rs7830123	A	G	0.0313	0.0039	A	G	0.001	0.0045	A	G	0.0062	0.0042	G	A	0.0049	0.0041	A	G	0.0007	0.0140	A	G	0.0036	0.0019	A	G	0.0076	0.0097	rs114847962	0.974
rs8010579	C	T	-0.0237	0.0034	T	C	0.0011	0.0053	C	T	0.0010	0.0049	C	T	0.0084	0.0047	T	C	-0.0150	0.0120	T	C	-0.0003	0.0017	T	C	0.0029	0.0082	rs10145299	1.000
rs8023466	G	A	-0.0299	0.0049	A	G	0.0058	0.0075	A	G	0.0099	0.0069	A	G	0.0050	0.0067	A	G	0.0200	0.0170	A	G	0.0042	0.0025	G	A	0.0016	0.0122		
rs8066333	A	G	-0.0200	0.0034	G	A	0	0.0053	G	A	0.0042	0.0049	G	A	0.0011	0.0048	A	G	0.0150	0.0130	A	G	0.0047	0.0017	A	G	0.0124	0.0082	rs8069036	0.909
rs8109627	T	C	-0.0249	0.0038	C	T	0.0008	0.0062	T	C	0.0003	0.0057	T	C	0.0018	0.0055	T	C	0.0200	0.0150	T	C	-0.0005	0.0020	T	C	0.0384	0.0092	rs13345456	0.939
rs85	T	C	-0.0375	0.0042	T	C	0.0004	0.0062	C	T	0.0036	0.0058	T	C	0.0063	0.0056	T	C	-0.0290	0.0150	T	C	0.0059	0.0021	C	T	0.0041	0.0095		
rs884205	A	C	-0.0332	0.0039	A	C	0.0077	0.0062	C	A	0.0079	0.0057	C	A	0.0017	0.0056	A	C	-0.0370	0.0140	A	C	-0.0066	0.0020	C	A	0.0044	0.0097		
rs892670	C	T	0.0237	0.0036	T	C	0.0032	0.0059	C	T	0.0006	0.0053	T	C	0.0036	0.0052	T	C	-0.0220	0.0130	T	C	-0.0021	0.0019	C	T	0.0060	0.0089	rs1078514	1.000
rs916561	A	C	-0.0391	0.0065	C	A	0.006	0.007	C	A	0.0219	0.0065	A	C	0.0060	0.0064	A	C	0.0180	0.0250	A	C	-0.0025	0.0031	C	A	0.0560	0.0149	rs2188092	1.000
rs9309664	G	A	0.0235	0.0035	G	A	0.0032	0.0053	G	A	0.0086	0.0048	A	G	0.0039	0.0047	A	G	-0.0023	0.0130	A	G	-0.0123	0.0018	A	G	0.0133	0.0083	rs6547870	1.000

	GWAS of eBMD				GWAS of LDL-C				GWAS of HDL-C				GWAS of Triglycerides				GWAS of Diabetes				GWAS of BMI				GWAS of CAD				The original in the eBMD data set (For proxies only)	R^2
SNP	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**	**EA**	**NEA**	**beta**	**se**		
rs9327301	G	A	0.0239	0.0039	A	G	0.0101	0.0059	G	A	0.0077	0.0054	A	G	0.0036	0.0053	A	G	0.0140	0.0140	A	G	0.0042	0.0020	G	A	0.0268	0.0100		
rs9379084	G	A	0.0414	0.0054	A	G	0.0123	0.0073	A	G	0.0133	0.0068	A	G	0.0227	0.0065	A	G	-0.0500	0.0200	A	G	0.0075	0.0028	A	G	0.0214	0.0139		
rs9402490	G	T	0.0563	0.0034	T	G	0.0025	0.0038	T	G	0.0074	0.0036	G	T	0.0060	0.0035	T	G	-0.0250	0.0140	T	G	0.0033	0.0016	G	T	0.0100	0.0082		
rs947091	G	A	-0.0360	0.0034	A	G	0.0075	0.0053	A	G	0.0013	0.0049	G	A	0.0007	0.0048	A	G	0.0370	0.0120	A	G	-0.0022	0.0017	A	G	0.0057	0.0082		
rs9491689	C	A	-0.0541	0.0038	A	C	0.007	0.0041	C	A	0.0205	0.0038	A	C	0.0188	0.0037	A	C	0.0310	0.0130	A	C	-0.0061	0.0018	C	A	0.0009	0.0093		
rs9530279	T	C	0.0223	0.0039	C	T	0.0007	0.0062	C	T	0.0004	0.0056	C	T	0.0007	0.0056	T	C	-0.0120	0.0140	T	C	-0.0042	0.0020	T	C	0.0137	0.0092	rs10637379	0.852
rs9552620	C	G	0.0301	0.0037	G	C	0.0035	0.0062	G	C	0.0043	0.0057	C	G	0.0049	0.0056	C	G	0.0026	0.0130	C	G	-0.0035	0.0019	G	C	0.0007	0.0089	rs8002850	0.943
rs9594738	C	T	0.0468	0.0034	T	C	0.0095	0.0053	C	T	0.0011	0.0049	T	C	0.0050	0.0048	T	C	0.0290	0.0120	T	C	-0.0038	0.0017	T	C	0.0028	0.0084	rs58973023	1.000
rs9606139	G	A	0.1139	0.0055	A	G	0.0171	0.0141	A	G	0.0083	0.0133	G	A	0.0143	0.0118	A	G	-0.0070	0.0230	A	G	0.0008	0.0030	A	G	0.0056	0.0165	22:19677948_CG_C	1.000
rs982004	C	T	0.0259	0.0034	C	T	0.0013	0.0053	T	C	0.0045	0.0048	C	T	0.0015	0.0047	T	C	-0.0044	0.0120	T	C	-0.0069	0.0017	C	T	0.0080	0.0083	rs7074558	0.980
rs9895116	T	G	-0.0494	0.0048	G	T	0.0028	0.0072	T	G	0.0034	0.0066	T	G	0.0052	0.0064	T	G	-0.0130	0.0170	T	G	0.0001	0.0024	G	T	0.0598	0.0123	rs1036902	1.000
rs9909172	T	C	-0.0410	0.0035	T	C	0.003	0.0054	T	C	0.0083	0.0049	C	T	0.0098	0.0048	T	C	-0.0330	0.0120	T	C	-0.0016	0.0018	C	T	0.0028	0.0083	rs7209826	1.000
rs9932220	G	A	-0.0330	0.0041	G	A	0.0085	0.0064	A	G	0.0006	0.0059	G	A	0.0004	0.0058	A	G	0.0098	0.0150	A	G	0.0014	0.0021	G	A	0.0137	0.0095		

EA: effect allele; NEA: non-effect allele; beta: effect size; se: standard error for beta

Supplementary Table 9. Summary statistics of 294 SNPs included in the Mendelian Randomization analysis to examine the causal effects of CAD on TB-BMD.

297 independent SNPs significantly associated with CAD from the meta-analysis of CAD GWAS were utilized as the genetic instruments(10). The summary statistics of these 297 SNPs in TB-BMD were extracted from the GWAS meta-analysis (4).

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs10109493	A	G	0.06066	1.49E-02	0.0000493	A	G	0.0122	0.0089	0.1702		
rs10139550	G	C	0.05109	0.00849	1.84E-09	C	G	-0.0125	0.006	0.03583		
rs10168194	C	G	0.03895	0.00865	0.00000678	C	G	-0.0064	0.0059	0.2845		
rs10305649	A	C	0.11426	2.44E-02	0.00000287	A	C	0.0071	0.0162	0.659		
rs10417115	C	T	0.0684	0.01613	0.0000225	T	C	-0.0014	0.0125	0.9136		
rs10423964	T	C	0.03856	0.00912	0.0000238	T	C	0.0013	0.0063	0.8309		
rs10455872	G	A	0.27149	1.84E-02	1.71E-49	A	G	0.023	0.0127	0.07118		
rs10513507	C	T	0.03594	0.00846	0.000022	T	C	-0.0006	0.006	0.9162		
rs10774625	A	G	0.06422	8.61E-03	9.22E-14	A	G	-0.0195	0.0058	0.00079		
rs10818583	A	G	0.04298	9.39E-03	0.00000485	A	G	-0.0033	0.0066	0.6149		
rs10840293	A	G	0.04868	8.40E-03	6.88E-09	A	G	-0.0049	0.0058	0.3956		
rs10857147	T	A	0.05404	9.39E-03	8.96E-09	A	T	0.0156	0.0069	0.02315		
rs1088868	G	A	0.04009	0.00973	0.0000384	A	G	-0.0043	0.0068	0.5248		
rs10890013	T	C	0.03545	0.00836	0.0000226	T	C	0	0.0058	0.9993		
rs10929113	C	T	0.04238	0.01047	0.0000524	T	C	-0.0004	0.007	0.9504		
rs10955380	C	A	0.04039	0.00922	0.0000119	A	C	0.0082	0.0064	0.198		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs11057401	T	A	0.04352	0.00899	0.00000132	A	T	-0.0084	0.0062	0.1717		
rs11057830	A	G	0.06864	0.01168	4.24E-09	A	G	0.0055	0.0083	0.5078		
rs11077501	C	T	0.03706	0.00873	0.0000219	T	C	0.0023	0.0061	0.7048		
rs11115214	C	T	0.04196	0.01017	0.0000371	T	C	0.004	0.0069	0.5657		
rs111245230	C	T	0.10937	0.02218	8.29E-07	T	C	-0.0208	0.0161	0.1971		
rs111397563	A	T	0.05934	0.01067	2.77E-08	A	T	-0.0007	0.007	0.9224		
rs11153071	G	A	0.05013	0.01072	0.000003	A	G	-0.0007	0.0073	0.9257		
rs11167260	G	A	0.0589	0.01325	8.86E-06	a	g	-0.0128	0.0095	0.1769	rs59909520	1
rs11170820	G	C	0.08884	0.01718	2.38E-07	C	G	-0.0129	0.0133	0.3319		
rs11172113	C	T	0.03564	0.00844	0.0000244	T	C	0.011	0.0059	0.06082		
rs111777100	A	G	0.0928	0.02296	0.0000535	A	G	-0.0296	0.0171	0.08274		
rs11191416	T	G	0.07287	0.01249	5.58E-09	T	G	0.0099	0.0096	0.3011		
rs1122326	C	A	0.04951	0.01055	0.00000276	A	C	0.0127	0.0065	0.05253		
rs112370447	T	C	0.04547	0.00927	9.62E-07	T	C	-0.0005	0.0063	0.9312		
rs11257613	G	A	0.03464	0.00808	0.0000182	A	G	0.0027	0.0057	0.6315		
rs112635299	G	T	0.16266	0.03773	0.0000165	T	G	-0.0757	0.0215	0.000427		
rs112941079	A	G	0.0588	0.01272	0.00000386	A	G	0.0039	0.0084	0.6378		
rs113025579	C	T	0.12472	0.03071	0.0000494	T	C	-0.0174	0.0222	0.4319		
rs113148244	G	T	0.14397	0.03391	0.000022	T	G	0.0213	0.0219	0.3325		
rs113832197	T	C	0.08062	0.01944	0.000034	T	C	0.0118	0.0131	0.3696		
rs114123510	A	T	0.11811	0.01315	2.88E-19	A	T	0.0013	0.0087	0.8828		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs11485595	T	C	0.03985	0.00864	0.000004	T	C	0.0261	0.0062	2.48E-05		
rs11509880	A	G	0.0362	0.00851	0.0000211	A	G	0.0121	0.0059	0.04161		
rs11552449	T	C	0.04519	0.01098	0.000039	T	C	0.0255	0.0077	0.000909		
rs11556924	C	T	0.067	0.00931	6.26E-13	T	C	0.0133	0.0062	0.03289		
rs11591147	G	T	0.2209	0.035	2.84E-10	T	G	0.0029	0.0285	0.9179		
rs11617955	T	A	0.08738	0.01397	4.14E-10	A	T	0.0081	0.0092	0.3812		
rs11654510	C	A	0.05792	0.01307	0.00000946	A	C	-0.0088	0.0086	0.3075		
rs116843064	G	A	0.15908	0.03098	2.87E-07	A	G	-0.0007	0.0239	0.9761		
rs117113213	A	G	0.13132	0.02702	0.00000119	A	G	-0.0006	0.0193	0.974		
rs11728590	G	T	0.03666	0.00858	0.0000197	T	G	-0.011	0.0061	0.06985		
rs117592425	A	C	0.20299	0.04405	0.00000414	A	C	-0.0046	0.0256	0.8586		
rs117696200	T	G	0.07867	0.01835	0.0000182	T	G	-0.0158	0.0123	0.1986		
rs117938894	G	A	0.16064	0.03893	0.0000373	A	G	-0.0206	0.0244	0.3988		
rs11810571	G	C	0.05836	0.01042	2.21E-08	C	G	0.0034	0.0076	0.6578		
rs11811081	C	A	0.0766	0.01901	0.0000565	A	C	0.0057	0.0134	0.67		
rs11838776	A	G	0.05604	0.00937	2.31E-09	A	G	0.0099	0.0064	0.1227		
rs11955380	C	A	0.06036	0.01383	0.0000128	A	C	0.0169	0.0092	0.06644		
rs12146487	G	A	0.0479	0.0113	0.0000228	A	G	-0.0106	0.0077	0.167		
rs1214752	C	T	0.03885	0.00834	0.00000326	T	C	-0.0036	0.0057	0.5301		
rs12202017	A	G	0.06636	0.00883	6.02E-14	A	G	-0.0032	0.0062	0.6049		
rs12252333	G	A	0.04701	0.01028	0.0000049	A	G	-0.0012	0.007	0.8679		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs12435391	G	A	0.03918	0.00817	1.62E-06	a	g	-0.0283	0.0057	8.30E-07	rs3832966	1
rs12476923	A	C	0.04151	0.00891	3.20E-06	a	c	0.0054	0.0059	0.3678	rs35500812	1
rs12485143	C	T	0.06735	0.01604	0.0000272	T	C	0.0276	0.0118	0.0197		
rs12493885	C	G	0.07094	0.01283	3.29E-08	C	G	-0.0197	0.0084	0.01978		
rs1250229	T	C	0.0694	0.00942	1.85E-13	T	C	0.0079	0.0065	0.2259		
rs12535339	A	T	0.04053	0.00938	0.0000159	A	T	-0.0045	0.0067	0.5027		
rs12619842	G	C	0.04845	0.01088	0.00000857	C	G	-0.0109	0.0079	0.1692		
rs12733730	A	G	0.04601	0.01072	0.0000179	A	G	0.0064	0.0076	0.405		
rs12801636	G	A	0.04328	0.00967	0.00000775	A	G	-0.0118	0.0068	0.08399		
rs12891473	C	T	0.03466	0.00819	0.0000233	T	C	-0.0084	0.0057	0.1416		
rs12897	G	A	0.03748	0.00857	1.25E-05	a	g	0.0034	0.006	0.5693	rs34229028	1
rs12922	A	C	0.05047	0.01207	0.0000292	A	C	-0.0023	0.0091	0.8026		
rs13003675	T	C	0.04194	0.00876	0.00000172	T	C	0.0049	0.0061	0.4261		
rs13109172	A	C	0.04546	0.00901	4.62E-07	A	C	0.0145	0.0061	0.0167		
rs13134452	C	T	0.03724	0.00894	0.0000316	T	C	0.0143	0.0063	0.02354		
rs13200993	T	C	0.05003	0.00858	5.6E-09	T	C	-0.0045	0.0059	0.4474		
rs13202636	T	C	0.06854	0.00942	3.63E-13	t	c	-0.0037	0.0067	0.5785	rs41269888	1
rs1330633	G	A	0.06702	0.01667	0.0000589	A	G	-0.0031	0.0113	0.7819		
rs1333050	T	C	0.12387	0.00919	2.39E-41	T	C	0.0049	0.0065	0.4563		
rs13723	G	A	0.0351	0.0083	0.0000239	A	G	0.0077	0.0059	0.1879		
rs13734	A	G	0.04282	0.01004	0.0000203	A	G	0.0094	0.0073	0.2021		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs138495951	G	A	0.15967	0.03876	0.0000384	A	G	0.0038	0.0233	0.8699		
rs139591697	T	C	0.10196	0.02517	0.0000515	T	C	0.0122	0.0179	0.4973		
rs141115861	C	T	0.1447	0.04399	0.001008	t	c	-0.0461	0.0367	0.2085	rs200686624	1
rs143803699	G	C	0.11952	0.02859	0.0000295	C	G	-0.0275	0.0247	0.2654		
rs144059514	G	A	0.1659	0.03983	0.0000315	A	G	0.005	0.034	0.8833		
rs146039567	C	A	0.14893	0.03507	0.000022	A	C	-0.0077	0.0225	0.7322		
rs147555597	A	G	0.29106	0.04931	3.69E-09	A	G	-0.028	0.0324	0.3876		
rs149366039	T	C	0.73063	0.17784	0.0000403	T	C	0.117	0.1163	0.3142		
rs1500187	G	A	0.03691	0.00834	0.00000973	A	G	-0.0058	0.0058	0.3212		
rs1657345	A	G	0.08111	0.01172	4.58E-12	A	G	0.0026	0.0086	0.7669		
rs167479	G	T	0.03954	0.00836	0.00000226	T	G	0.0096	0.0089	0.2835		
rs16885577	G	A	0.0489	0.01161	0.0000256	A	G	-0.01	0.0081	0.2172		
rs16986953	A	G	0.10531	0.0169	4.77E-10	A	G	0.0047	0.0108	0.6657		
rs16994919	A	G	0.05999	0.01354	0.00000955	A	G	0.0117	0.0095	0.2177		
rs17102313	T	C	0.61546	0.15102	0.0000464	T	C	0.0401	0.0423	0.3426		
rs17111652	T	C	0.08192	0.01881	0.0000134	T	C	0.0079	0.0129	0.539		
rs17581137	A	C	0.04154	0.00955	0.0000138	A	C	-0.0023	0.0067	0.7342		
rs17678683	G	T	0.07653	0.01442	1.15E-07	T	G	-0.013	0.0105	0.2141		
rs17712139	G	A	0.04104	0.00993	0.0000362	A	G	0.0031	0.0067	0.6468		
rs17726488	T	C	0.1025	0.02321	0.0000101	T	C	-0.0334	0.017	0.04992		
rs178002	G	A	0.04191	0.00879	0.00000191	A	G	-0.0078	0.0062	0.2098		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs1800449	T	C	0.05609	0.01106	4.06E-07	T	C	0.0079	0.0077	0.3041		
rs180803	G	T	0.16536	0.02681	7.09E-10	T	G	-0.0448	0.0272	0.1001		
rs183692864	G	A	0.24419	0.0605	0.0000549	A	G	0.0432	0.0392	0.2707		
rs185244	T	C	0.07328	0.01096	2.41E-11	t	c	-0.014	0.0076	0.06735	rs139016349	1
rs186696265	T	C	0.46563	0.03727	8.97E-36	T	C	-0.0135	0.0308	0.6624		
rs1870634	G	T	0.06182	0.00856	5.51E-13	T	G	0.0005	0.006	0.9285		
rs1887318	T	C	0.05771	0.00832	4.12E-12	T	C	-0.0024	0.0057	0.6745		
rs1924981	T	C	0.04567	0.00876	1.86E-07	T	C	0.0065	0.0061	0.2851		
rs194937	A	G	0.04768	0.01091	0.0000126	A	G	0.0138	0.0077	0.07381		
rs1964272	G	A	0.04413	0.00852	2.29E-07	A	G	0.0105	0.0059	0.07477		
rs1967604	A	G	0.03735	0.0092	0.0000501	A	G	0.0002	0.0064	0.9729		
rs1968266	T	C	0.03672	0.00907	0.0000523	T	C	0.0086	0.006	0.1515		
rs2011559	G	A	0.05379	0.01274	0.0000244	A	G	-0.0117	0.0083	0.1589		
rs2024233	G	A	0.03659	0.00874	0.0000285	A	G	0.0076	0.0061	0.2144		
rs2071382	T	C	0.0617	0.00859	7.14E-13	T	C	-0.0068	0.006	0.2608		
rs2083460	T	C	0.07164	0.0136	1.41E-07	T	C	0.0087	0.0103	0.3974		
rs2083636	T	G	0.05136	0.00949	6.44E-08	T	G	0.0046	0.0067	0.489		
rs2107595	A	G	0.07422	0.01019	3.41E-13	A	G	0.0009	0.0076	0.904		
rs2149821	A	T	0.03936	0.00945	0.0000317	A	T	-0.0194	0.0067	0.003597		
rs2153219	A	G	0.05082	0.0108	0.00000259	A	G	0.0001	0.008	0.989		
rs2161967	T	G	0.03852	0.00852	0.00000621	T	G	-0.0058	0.0058	0.3197		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs2212437	A	G	0.04013	0.00896	0.00000763	A	G	-0.0067	0.0062	0.284		
rs2229357	G	A	0.04684	0.01008	0.00000339	A	G	0.0001	0.0068	0.9876		
rs2244608	G	A	0.05127	0.00858	2.32E-09	A	G	0.0098	0.0061	0.1121		
rs2246942	G	A	0.07626	0.00934	3.51E-16	A	G	-0.0012	0.0059	0.8339		
rs2247762	C	T	0.03446	0.00821	2.72E-05	t	c	2.00E-04	0.0057	0.9733	7:99511293:C:CAAAT	0.97994
rs2257129	C	T	0.09622	0.02006	0.00000164	T	C	0.0082	0.0151	0.5895		
rs2281674	C	G	0.06437	0.0158	0.0000468	C	G	-0.0024	0.0115	0.836		
rs2286198	G	A	0.05112	0.01002	3.42E-07	A	G	-0.0011	0.0068	0.8693		
rs2306029	T	C	0.03864	0.00894	0.0000157	T	C	0.0416	0.0058	6.99E-13		
rs247616	C	T	0.0438	0.00895	0.00000101	T	C	0.0006	0.0061	0.9236		
rs2492304	A	T	0.0333	0.00826	0.0000559	A	T	0.0089	0.0057	0.1181		
rs251023	G	A	0.03808	0.00854	0.00000834	A	G	-0.0015	0.0059	0.801		
rs259983	C	A	0.05584	0.01193	0.00000289	A	C	0.0064	0.008	0.43		
rs2616407	C	T	0.04946	0.01089	0.0000056	T	C	-0.0006	0.0072	0.9333		
rs2681472	G	A	0.06597	0.01013	7.63E-11	A	G	-0.0072	0.0075	0.3361		
rs2709437	T	C	0.03405	0.00833	0.0000438	T	C	0.0012	0.0057	0.8293		
rs2727020	C	G	0.04178	0.00912	0.0000047	C	G	0.0244	0.0064	0.000134		
rs2738448	G	C	0.03363	0.00829	0.0000504	C	G	0.0057	0.0058	0.319		
rs2789422	G	A	0.03528	0.00866	0.0000463	A	G	0.005	0.0059	0.3984		
rs2820315	T	C	0.04256	0.00897	0.00000209	T	C	-0.0001	0.0063	0.9865		
rs2832275	T	A	0.05077	0.01068	0.00000204	A	T	0.0108	0.0075	0.1482		

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	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs2836621	T	C	0.03312	0.00813	0.0000468	T	C	-0.0101	0.0057	0.07451		
rs2839812	T	A	0.05954	0.00887	1.99E-11	A	T	-0.005	0.0062	0.4183		
rs2843152	C	G	0.0424	0.00973	0.0000134	C	G	0.0022	0.007	0.7494		
rs28451064	A	G	0.13279	0.01334	2.62E-23	A	G	0.0011	0.009	0.8995		
rs28596486	C	T	0.05241	0.0112	0.00000291	T	C	-0.0124	0.0087	0.1513		
rs28597716	A	G	0.051	0.01133	0.00000685	A	G	-0.0039	0.0074	0.598		
rs28650790	T	C	0.05327	0.01069	6.42E-07	t	c	0.01	0.0073	0.1714	rs5868014	1
rs288187	C	T	0.046	0.01094	0.0000263	T	C	0.0066	0.0076	0.3868		
rs2891168	G	A	0.17327	0.00809	1.28E-101	A	G	-0.003	0.0057	0.5985		
rs2954029	A	T	0.06039	0.00836	5.24E-13	A	T	-0.0025	0.0057	0.6583		
rs2971672	C	A	0.03571	0.00834	0.000019	A	C	0.0146	0.0058	0.01229		
rs2972146	T	G	0.0472	0.00873	6.5E-08	T	G	0.0145	0.0059	0.01468		
rs3130683	T	C	0.07703	0.01386	2.77E-08	T	C	0.0215	0.0086	0.01227		
rs3133293	G	T	0.04149	0.00892	0.00000334	T	G	0.006	0.0063	0.342		
rs34232196	C	T	0.05495	0.00989	2.87E-08	T	C	0.004	0.0067	0.5493		
rs34322801	C	G	0.05043	0.01114	0.00000603	C	G	0.0102	0.0078	0.188		
rs34914400	T	C	0.81313	0.18836	0.000016	T	C	-0.0988	0.0807	0.221		
rs35146811	C	A	0.04194	0.00921	0.00000536	A	C	-0.0014	0.0065	0.8329		
rs35166119	A	C	0.08479	0.01961	0.0000155	A	C	-0.0293	0.014	0.03578		
rs35259348	C	G	0.05103	0.00962	1.15E-07	C	G	-0.0022	0.0068	0.7421		
rs35465346	G	A	0.05465	0.01206	0.00000591	A	G	-0.0005	0.0078	0.9484		

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	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs35489971	A	G	0.05394	0.01104	0.00000106	A	G	-0.0094	0.0074	0.2015		
rs367948	C	G	0.042	0.01018	0.0000376	C	G	0.0079	0.0071	0.2624		
rs3739239	A	G	0.05066	0.01216	3.14E-05	a	g	-0.0093	0.0094	0.3229	rs58594043	0.925
rs3755549	C	T	0.03445	0.00819	0.0000264	T	C	0.0027	0.0057	0.6404		
rs3776307	G	A	0.03831	0.00864	0.0000094	A	G	-0.0142	0.0058	0.01404		
rs3782774	G	A	0.03633	0.00855	0.0000217	A	G	0.0035	0.0059	0.5529		
rs3796587	C	G	0.06316	0.01039	1.24E-09	C	G	0.0185	0.0073	0.01106		
rs3813452	T	C	0.03504	0.00849	0.0000367	T	C	-0.0094	0.0063	0.1393		
rs3821396	G	A	0.05988	0.01328	0.00000657	A	G	0.0015	0.009	0.8655		
rs3861086	C	T	0.04452	0.00893	6.34E-07	T	C	-0.0004	0.0062	0.9458		
rs3918226	T	C	0.12529	0.01772	1.58E-12	T	C	-0.0048	0.0116	0.6761		
rs3993105	T	C	0.04707	0.00885	1.06E-07	T	C	-0.0093	0.0062	0.1323		
rs4076834	T	G	0.10016	0.01757	1.23E-08	T	G	0.0041	0.0112	0.7156		
rs41272114	C	T	0.12081	0.02313	0.00000018	T	C	0.0008	0.0164	0.9621		
rs4149311	T	C	0.05185	0.01167	0.00000906	T	C	-0.0155	0.0082	0.05845		
rs421329	C	T	0.0494	0.01027	0.00000155	T	C	0.0036	0.007	0.6081		
rs425105	C	T	0.04658	0.01144	0.0000472	T	C	-0.0024	0.0077	0.7537		
rs4299376	G	T	0.05546	0.00894	5.65E-10	T	G	0.003	0.0062	0.6283		
rs4472337	T	C	0.05533	0.01173	0.00000242	T	C	-0.014	0.0077	0.06895		
rs4506804	T	G	0.03447	0.00827	0.0000314	T	G	-0.0074	0.0057	0.1977		
rs4593108	C	G	0.05792	0.0103	1.95E-08	C	G	0.0076	0.0075	0.3141		

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	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs4632520	C	T	0.03758	0.00898	0.000029	T	C	-0.0039	0.0064	0.538		
rs4643373	T	C	0.04584	0.00943	0.0000012	T	C	-0.0003	0.0064	0.9647		
rs468224	A	G	0.04269	0.0096	0.00000885	A	G	-0.0284	0.0068	3.04E-05		
rs4691	T	C	0.0406	0.00912	0.00000867	T	C	0.0034	0.0065	0.5978		
rs4760	G	A	0.05401	0.01282	0.0000256	A	G	0.0042	0.0093	0.654		
rs4773141	G	C	0.05928	0.00968	9.46E-10	C	G	-0.0035	0.0071	0.623		
rs4819286	A	G	0.03458	0.00841	4.01E-05	a	g	0.0077	0.0059	0.1918	rs35219138	1
rs507666	A	G	0.07404	0.01043	1.34E-12	A	G	-0.0053	0.0073	0.4707		
rs56015508	C	A	0.05385	0.01013	1.08E-07	A	C	-0.0028	0.0068	0.6835		
rs56131196	A	G	0.08181	0.01169	2.71E-12	A	G	0.0173	0.0081	0.03286		
rs56170783	A	C	0.10435	0.01484	2.14E-12	A	C	0.0024	0.01	0.8101		
rs56210063	C	G	0.06831	0.01662	0.00004	C	G	0.0028	0.0135	0.8357		
rs56245751	T	C	0.06085	0.01385	0.0000113	T	C	-0.008	0.0097	0.4083		
rs56313611	C	T	0.05835	0.01208	0.00000139	T	C	-0.0148	0.0083	0.07311		
rs567040	C	T	0.03695	0.00922	0.0000621	T	C	-0.0104	0.0063	0.09596		
rs571353	C	T	0.04285	0.00923	0.00000347	T	C	0.0049	0.0064	0.4457		
rs5751771	C	T	0.0348	0.0083	2.78E-05	t	c	0.0036	0.0059	0.5406	rs11287675	1
rs58560619	C	T	0.0361	0.00837	0.0000165	T	C	0.0031	0.0057	0.586		
rs585967	C	A	0.06576	0.01183	2.76E-08	A	C	0.0002	0.0078	0.9806		
rs59898454	A	G	0.1471	0.03098	0.00000209	A	G	-0.0028	0.0193	0.8841		
rs6129767	G	T	0.03958	0.00897	0.0000104	T	G	0.0055	0.0064	0.3887		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs61969072	G	T	0.04798	0.01077	0.00000852	T	G	0.0006	0.0074	0.9306		
rs62062229	C	T	0.03508	0.01008	0.000506	t	c	0.0063	0.0068	0.3545	rs148720362	0.89987
rs62076439	T	G	0.04361	0.00882	7.83E-07	T	G	0.0056	0.006	0.3516		
rs62172372	A	G	0.04594	0.01111	0.0000361	A	G	0.0032	0.0073	0.6607		
rs62253653	A	G	0.0383	0.00936	0.0000435	A	G	-0.0029	0.0065	0.6549		
rs62265630	G	T	0.06717	0.01171	0.00000001	T	G	-0.0103	0.0082	0.2122		
rs634552	G	T	0.04953	0.01216	0.0000471	T	G	-0.0033	0.0081	0.6779		
rs6413828	A	T	0.03796	0.00884	0.0000177	A	T	-0.0067	0.0062	0.2768		
rs6458138	G	A	0.06504	0.01622	0.0000613	A	G	-0.0056	0.0107	0.5974		
rs6504218	G	A	0.04094	0.00834	9.41E-07	A	G	0.0023	0.0057	0.6801		
rs6511720	G	T	0.12826	0.01335	7.88E-22	T	G	0.004	0.0093	0.6635		
rs6538176	T	C	0.04709	0.01042	0.00000624	T	C	-0.005	0.0074	0.5017		
rs6544635	T	C	0.0467	0.01019	4.69E-06	t	c	0.0207	0.007	0.003176	rs71737208	0.96465
rs662138	G	C	0.04761	0.01083	1.12E-05	c	g	0.0035	0.0075	0.6382	rs202220802	1
rs663129	A	G	0.04002	0.00933	1.82E-05	a	g	0.023	0.0067	0.000613	rs35614134	1
rs6665249	A	G	0.0424	0.0098	0.0000154	A	G	-0.0012	0.0067	0.8626		
rs6689306	A	G	0.05023	0.0083	1.46E-09	A	G	-0.0056	0.0059	0.3394		
rs67180937	G	T	0.07106	0.00951	8.45E-14	T	G	-0.0046	0.0071	0.5116		
rs6727557	T	C	0.06037	0.01412	0.0000193	T	C	-0.025	0.0111	0.02449		
rs6761276	T	C	0.03569	0.00849	0.0000266	T	C	-0.0043	0.0057	0.4578		
rs6787409	C	T	0.0389	0.00902	0.0000163	T	C	-0.0023	0.0063	0.7192		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs6841581	A	G	0.06834	0.01096	4.57E-10	A	G	-0.0124	0.0081	0.1235		
rs6860540	G	A	0.03464	0.00858	0.0000549	A	G	-0.0064	0.0061	0.2906		
rs6883598	C	A	0.03926	0.00927	0.0000232	A	C	0.0302	0.0064	2.39E-06		
rs6905288	A	G	0.03901	0.00838	0.00000326	A	G	0.0063	0.006	0.2932		
rs6956990	C	T	0.11514	0.02593	0.00000911	T	C	0.0448	0.019	0.01815		
rs7094201	G	A	0.06232	0.01549	0.0000577	A	G	-0.0093	0.0118	0.4329		
rs7098414	A	C	0.04596	0.00978	0.00000266	A	C	-0.0025	0.0066	0.7009		
rs71313931	G	C	0.03938	0.0092	0.0000187	C	G	-0.0027	0.0064	0.6702		
rs71331765	G	C	0.0511	0.01251	0.0000447	C	G	-0.0046	0.0083	0.58		
rs7139492	C	T	0.04022	0.00939	0.0000188	T	C	0.0122	0.0066	0.06468		
rs71600236	C	G	0.03931	0.00871	0.00000654	C	G	-0.0073	0.0062	0.2389		
rs7164479	T	C	0.07211	0.00835	6.38E-18	T	C	-0.0033	0.0059	0.5729		
rs7177201	T	C	0.07738	0.01032	6.75E-14	T	C	0.0058	0.0078	0.4595		
rs7185993	T	C	0.03625	0.00829	0.0000123	T	C	0.0107	0.0058	0.06473		
rs7205284	G	C	0.04688	0.01001	0.00000288	C	G	0.0017	0.0068	0.8035		
rs7211674	C	A	0.03356	0.00837	0.0000614	A	C	0.0157	0.0058	0.006738		
rs72627509	G	C	0.0537	0.01	8.1E-08	C	G	-0.0142	0.0073	0.05072		
rs72658939	G	C	0.0459	0.01095	0.000028	C	G	-0.0034	0.0075	0.6529		
rs72743461	C	A	0.07124	0.0103	4.81E-12	A	C	0.011	0.0067	0.1031		
rs73015715	T	C	0.04933	0.01044	0.00000232	T	C	-0.0037	0.0071	0.6041		
rs73045269	T	C	0.06434	0.01229	1.71E-07	T	C	0.0093	0.0085	0.2751		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs73468973	A	G	0.0427	0.0106	0.0000568	A	G	-0.015	0.0071	0.03376		
rs74017540	C	T	0.03352	0.00857	9.28E-05	t	c	-0.0125	0.0058	0.0309	rs147580454	1
rs7412	C	T	0.1432	0.01589	2.17E-19	T	C	0.0016	0.0112	0.8843		
rs742115	C	T	0.03585	0.00856	0.0000286	T	C	0.0036	0.0058	0.5376		
rs743339	C	T	0.07506	0.00987	3.05E-14	T	C	-0.0003	0.0065	0.9657		
rs7435973	G	A	0.05903	0.01169	4.51E-07	A	G	0.0167	0.0091	0.06611		
rs748431	G	T	0.04094	0.00833	9.04E-07	T	G	0.0028	0.0058	0.6334		
rs7500448	A	G	0.05905	0.0101	5.14E-09	A	G	-0.0034	0.0067	0.613		
rs75187018	G	A	0.13598	0.03173	0.0000185	A	G	-0.0019	0.022	0.9316		
rs7528419	A	G	0.1086	0.01006	3.77E-27	A	G	-0.0201	0.0068	0.003171		
rs7538207	C	T	0.09848	0.02169	0.00000573	T	C	-0.0034	0.0175	0.8445		
rs75409273	C	G	0.03166	0.03607	0.380154	c	g	-0.0216	0.0264	0.4148	rs139311851	0.86506
rs75535189	C	T	0.26245	0.05939	0.0000101	T	C	0.0399	0.036	0.2681		
rs75589791	G	A	0.06463	0.01585	0.0000458	A	G	-0.0197	0.0113	0.08298		
rs7568458	A	T	0.0609	0.00831	2.39E-13	A	T	-0.0037	0.0057	0.5151		
rs7570006	C	T	0.04849	0.01176	0.0000378	T	C	0.0119	0.0088	0.1747		
rs7578433	T	C	0.07008	0.01702	0.0000387	T	C	0.0094	0.0107	0.3808		
rs7623687	A	C	0.07155	0.01213	3.72E-09	A	C	0.0192	0.0084	0.02288		
rs7678555	C	A	0.0483	0.00917	1.43E-07	A	C	-0.0007	0.0064	0.9137		
rs77211063	T	C	0.11042	0.02607	0.000023	T	C	-0.0381	0.0171	0.02616		
rs77275410	C	T	0.06089	0.01445	0.0000255	T	C	-0.0297	0.0109	0.006321		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs77622129	A	G	0.09409	0.02205	0.00002	A	G	0.0205	0.0151	0.1756		
rs78030362	G	A	0.06909	0.01711	0.0000546	A	G	-0.0065	0.0119	0.5819		
rs781622	T	C	0.03612	0.00849	0.0000213	T	C	0.0037	0.0061	0.5433		
rs78850423	A	G	0.14335	0.03235	0.00000949	A	G	-0.0041	0.0225	0.8567		
rs79018195	C	T	0.30445	0.06277	0.00000126	T	C	0.0248	0.0383	0.5167		
rs79716828	C	A	0.11071	0.02487	0.00000863	A	C	-0.0183	0.0188	0.3319		
rs8068571	T	C	0.04185	0.00974	0.0000176	T	C	0.006	0.0066	0.3616		
rs8068844	C	T	0.04321	0.00851	3.93E-07	T	C	-0.0094	0.006	0.1177		
rs8068952	G	C	0.06961	0.01149	1.41E-09	C	G	-0.0092	0.007	0.1876		
rs8108632	T	A	0.0478	0.00881	5.88E-08	A	T	0.0061	0.0061	0.3211		
rs833509	C	T	0.03914	0.0093	0.0000258	T	C	-0.0184	0.0065	0.004483		
rs869396	C	A	0.03911	0.00819	0.00000185	A	C	0.0047	0.0057	0.4166		
rs903162	A	G	0.04552	0.00854	1.01E-07	a	g	0.0119	0.0061	0.05061	rs113348108	1
rs9349379	G	A	0.10544	0.00845	9.95E-36	A	G	0.0027	0.0059	0.644		
rs9398803	A	G	0.03371	0.00841	0.0000623	A	G	-0.0049	0.0057	0.3874		
rs948937	A	T	0.03438	0.00858	0.0000624	A	T	-0.0027	0.0059	0.6441		
rs9493752	A	G	0.15418	0.0343	0.00000705	A	G	-0.0157	0.0368	0.6694		
rs9501744	C	T	0.06431	0.01318	0.00000108	T	C	0.0081	0.0086	0.3486		
rs9591012	G	A	0.0378	0.00883	0.0000187	A	G	-0.0033	0.006	0.5866		
rs9604969	A	G	0.06006	0.01491	0.0000569	A	G	-0.0134	0.0113	0.2366		
rs964184	G	C	0.05083	0.01109	0.00000468	C	G	0.0107	0.0082	0.1916		

SNP	GWAS of CAD					GWAS of TB-BMD					Original SNP in CAD (For proxies only)	r^2
	EA	NEA	beta	se	p	EA	NEA	beta	se	p		
rs9869263	G	A	0.0477	0.01156	0.0000374	A	G	-0.0016	0.008	0.8388		
rs9897596	T	C	0.03949	0.00847	0.00000313	T	C	0.0209	0.0057	0.000264		
rs9929108	T	G	0.0472	0.00912	2.32E-07	T	G	-0.003	0.0062	0.6268		
rs9951447	C	T	0.03813	0.0083	0.00000437	T	C	-0.0044	0.0059	0.4616		
ss1388031147	A	G	0.04967	0.01211	4.16E-05	a	g	-0.0016	0.0083	0.847	ss1388031300	1

EA: effect allele; NEA: non-effect allele; beta: effect size; se: standard error for beta; p: p-value

Supplementary Table 10. Summary statistics of 297 SNPs included in the Mendelian Randomization analysis to examine the causal effects of CAD on eBMD.

297 independent SNPs significantly associated with CAD from the meta-analysis of CAD GWAS were utilized as the genetic instruments(10). The summary statistics of these 297 SNPs in eBMD were extracted from the GWAS conducted in UK Biobank participants(5).

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs10109493	A	G	0.0607	0.0149	4.93E-05	A	G	-0.0003	0.0054	0.810
rs10139550	G	C	0.0511	0.0085	1.84E-09	C	G	0.0024	0.0034	0.400
rs10168194	C	G	0.0390	0.0087	6.78E-06	G	C	-0.0021	0.0035	0.480
rs10305649	A	C	0.1143	0.0244	2.87E-06	C	A	-0.0142	0.0086	0.160
rs10417115	C	T	0.0684	0.0161	2.25E-05	T	C	-0.0376	0.0075	4.60E-07
rs10423964	T	C	0.0386	0.0091	2.38E-05	C	T	-0.0048	0.0038	0.230
rs10455872	G	A	0.2715	0.0184	1.71E-49	A	G	0.0023	0.0062	0.690
rs10513507	C	T	0.0359	0.0085	2.20E-05	T	C	0.0103	0.0036	0.004
rs10774625	A	G	0.0642	0.0086	9.22E-14	A	G	0.0066	0.0034	0.040
rs10818583	A	G	0.0430	0.0094	4.85E-06	G	A	0.0068	0.0039	0.180
rs10840293	A	G	0.0487	0.0084	6.88E-09	G	A	0.0050	0.0034	0.061
rs10857147	T	A	0.0540	0.0094	8.96E-09	A	T	0.0010	0.0037	0.910
rs1088868	G	A	0.0401	0.0097	3.84E-05	A	G	0.0035	0.0036	0.350
rs10890013	T	C	0.0355	0.0084	2.26E-05	C	T	0.0028	0.0034	0.410
rs10929113	C	T	0.0424	0.0105	5.24E-05	C	T	0.0115	0.0042	0.009
rs10955380	C	A	0.0404	0.0092	1.19E-05	C	A	-0.0083	0.0039	0.025

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs11057401	T	A	0.0435	0.0090	1.32E-06	T	A	-0.0177	0.0036	2.00E-07
rs11057830	A	G	0.0686	0.0117	4.24E-09	G	A	-0.0119	0.0049	0.007
rs11077501	C	T	0.0371	0.0087	2.19E-05	C	T	0.0062	0.0036	0.260
rs11115214	C	T	0.0420	0.0102	3.71E-05	C	T	-0.0011	0.0043	0.960
rs111245230	C	T	0.1094	0.0222	8.29E-07	T	C	-0.0285	0.0092	0.003
rs111397563	A	T	0.0593	0.0107	2.77E-08	A	T	-0.0064	0.0079	0.270
rs11153071	G	A	0.0501	0.0107	3.00E-06	G	A	-0.0021	0.0043	0.480
rs11170820	G	C	0.0888	0.0172	2.38E-07	C	G	-0.0037	0.0075	0.770
rs11172113	C	T	0.0356	0.0084	2.44E-05	T	C	0.0020	0.0034	0.620
rs111777100	A	G	0.0928	0.0230	5.35E-05	G	A	0.0039	0.0093	0.440
rs11191416	T	G	0.0729	0.0125	5.58E-09	T	G	-0.0149	0.0060	0.016
rs1122326	C	A	0.0495	0.0106	2.76E-06	A	C	0.0044	0.0040	0.250
rs112370447	T	C	0.0455	0.0093	9.62E-07	C	T	-0.0003	0.0037	0.860
rs112470402	TGG	T	0.0498	0.0095	1.43E-07	TGG	T	0.0053	0.0048	0.420
rs11257613	G	A	0.0346	0.0081	1.82E-05	G	A	0.0021	0.0034	0.870
rs112635299	G	T	0.1627	0.0377	1.65E-05	G	T	0.0330	0.0120	0.005
rs11287675	AT	A	0.0390	0.0086	6.24E-06	AT	A	-0.0031	0.0034	0.260
rs112941079	A	G	0.0588	0.0127	3.86E-06	A	G	0.0051	0.0048	0.370
rs113025579	C	T	0.1247	0.0307	4.94E-05	C	T	0.0177	0.0100	0.160
rs113148244	G	T	0.1440	0.0339	2.20E-05	G	T	0.0200	0.0098	0.048
rs113348108	C	CCAGA	0.0475	0.0088	5.77E-08	CCAGA	C	-0.0329	0.0036	1.90E-19

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs113832197	T	C	0.0806	0.0194	3.40E-05	C	T	0.0000	0.0074	0.920
rs114123510	A	T	0.1181	0.0132	2.88E-19	T	A	-0.0055	0.0050	0.240
rs11462682	C	CA	0.0453	0.0113	5.79E-05	C	CA	0.0230	0.0047	9.90E-06
rs11485595	T	C	0.0399	0.0086	4.00E-06	C	T	-0.0166	0.0034	6.60E-08
rs11509880	A	G	0.0362	0.0085	2.11E-05	G	A	0.0016	0.0035	0.820
rs11552449	T	C	0.0452	0.0110	3.90E-05	C	T	-0.0056	0.0044	0.350
rs11556924	C	T	0.0670	0.0093	6.26E-13	C	T	-0.0058	0.0034	0.097
rs11591147	G	T	0.2209	0.0350	2.84E-10	G	T	-0.0195	0.0127	0.120
rs11617955	T	A	0.0874	0.0140	4.14E-10	T	A	-0.0012	0.0054	0.950
rs11654510	C	A	0.0579	0.0131	9.46E-06	C	A	0.0076	0.0045	0.110
rs116843064	G	A	0.1591	0.0310	2.87E-07	G	A	0.0121	0.0122	0.210
rs117113213	A	G	0.1313	0.0270	1.19E-06	G	A	-0.0124	0.0095	0.150
rs11728590	G	T	0.0367	0.0086	1.97E-05	T	G	-0.0051	0.0035	0.220
rs117592425	A	C	0.2030	0.0441	4.14E-06	A	C	0.0644	0.0145	3.30E-05
rs117696200	T	G	0.0787	0.0184	1.82E-05	T	G	-0.0168	0.0066	6.60E-03
rs117938894	G	A	0.1606	0.0389	3.73E-05	G	A	0.0120	0.0106	0.340
rs11810571	G	C	0.0584	0.0104	2.21E-08	C	G	-0.0046	0.0046	0.230
rs11811081	C	A	0.0766	0.0190	5.65E-05	C	A	0.0171	0.0069	0.011
rs11838776	A	G	0.0560	0.0094	2.31E-09	G	A	-0.0023	0.0038	0.490
rs11955380	C	A	0.0604	0.0138	1.28E-05	A	C	-0.0038	0.0055	0.660
rs12146487	G	A	0.0479	0.0113	2.28E-05	G	A	-0.0098	0.0044	0.027

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs1214752	C	T	0.0389	0.0083	3.26E-06	C	T	0.0084	0.0033	0.011
rs12202017	A	G	0.0664	0.0088	6.02E-14	A	G	0.0057	0.0037	0.260
rs12252333	G	A	0.0470	0.0103	4.90E-06	A	G	0.0018	0.0038	0.730
rs12485143	C	T	0.0674	0.0160	2.72E-05	C	T	-0.0023	0.0073	0.470
rs12493885	C	G	0.0709	0.0128	3.29E-08	G	C	-0.0076	0.0048	0.160
rs1250229	T	C	0.0694	0.0094	1.85E-13	T	C	-0.0089	0.0038	0.035
rs12535339	A	T	0.0405	0.0094	1.59E-05	T	A	0.0026	0.0040	0.380
rs12619842	G	C	0.0485	0.0109	8.57E-06	G	C	-0.0109	0.0044	0.008
rs12733730	A	G	0.0460	0.0107	1.79E-05	G	A	0.0046	0.0044	0.540
rs12801636	G	A	0.0433	0.0097	7.75E-06	G	A	0.0323	0.0040	5.40E-16
rs12891473	C	T	0.0347	0.0082	2.33E-05	T	C	-0.0149	0.0034	1.10E-05
rs12922	A	C	0.0505	0.0121	2.92E-05	A	C	0.0120	0.0058	0.038
rs13003675	T	C	0.0419	0.0088	1.72E-06	C	T	-0.0042	0.0035	0.190
rs13109172	A	C	0.0455	0.0090	4.62E-07	A	C	0.0148	0.0035	2.00E-05
rs13134452	C	T	0.0372	0.0089	3.16E-05	C	T	-0.0024	0.0035	0.540
rs13200993	T	C	0.0500	0.0086	5.60E-09	C	T	0.0019	0.0035	0.630
rs1330633	G	A	0.0670	0.0167	5.89E-05	A	G	-0.0042	0.0065	0.300
rs1333050	T	C	0.1239	0.0092	2.39E-41	C	T	0.0005	0.0038	0.680
rs13723	G	A	0.0351	0.0083	2.39E-05	A	G	0.0221	0.0034	2.70E-11
rs13734	A	G	0.0428	0.0100	2.03E-05	G	A	-0.0106	0.0044	0.019
rs138495951	G	A	0.1597	0.0388	3.84E-05	G	A	-0.0203	0.0154	0.140

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs139016349	TTTC	T	0.0749	0.0110	9.20E-12	T	TTTC	0.0034	0.0046	0.490
rs139311851	C	CG	0.1388	0.0300	3.71E-06	CG	C	0.0226	0.0127	0.120
rs139591697	T	C	0.1020	0.0252	5.15E-05	C	T	-0.0086	0.0081	0.250
rs143803699	G	C	0.1195	0.0286	2.95E-05	C	G	-0.0151	0.0120	0.310
rs144059514	G	A	0.1659	0.0398	3.15E-05	A	G	-0.0158	0.0184	0.370
rs146039567	C	A	0.1489	0.0351	2.20E-05	C	A	0.0112	0.0122	0.510
rs147555597	A	G	0.2911	0.0493	3.69E-09	G	A	0.0194	0.0183	0.180
rs147580454	AT	A	0.0363	0.0085	1.91E-05	A	AT	-0.0065	0.0034	0.076
rs148720362	C	CCTCCCAGGAAGG	0.0419	0.0101	3.65E-05	CCTCCCAGGAAG G	C	0.0081	0.0040	0.027
rs1500187	G	A	0.0369	0.0083	9.73E-06	A	G	-0.0117	0.0034	0.001
rs1657345	A	G	0.0811	0.0117	4.58E-12	A	G	0.0032	0.0051	0.550
rs167479	G	T	0.0395	0.0084	2.26E-06	G	T	-0.0044	0.0034	0.170
rs16885577	G	A	0.0489	0.0116	2.56E-05	A	G	0.0082	0.0049	0.057
rs16986953	A	G	0.1053	0.0169	4.77E-10	G	A	0.0074	0.0067	0.250
rs16994919	A	G	0.0600	0.0135	9.55E-06	A	G	-0.0014	0.0063	0.970
rs17111652	T	C	0.0819	0.0188	1.34E-05	C	T	0.0039	0.0087	0.810
rs17581137	A	C	0.0415	0.0096	1.38E-05	A	C	-0.0042	0.0039	0.240
rs17678683	G	T	0.0765	0.0144	1.15E-07	T	G	-0.0103	0.0058	0.095
rs17712139	G	A	0.0410	0.0099	3.62E-05	A	G	-0.0014	0.0039	0.720
rs17726488	T	C	0.1025	0.0232	1.01E-05	C	T	0.0047	0.0091	0.490

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs178002	G	A	0.0419	0.0088	1.91E-06	A	G	-0.0003	0.0035	0.920
rs1800449	T	C	0.0561	0.0111	4.06E-07	C	T	-0.0037	0.0045	0.450
rs180803	G	T	0.1654	0.0268	7.09E-10	G	T	0.0006	0.0159	0.690
rs183692864	G	A	0.2442	0.0605	5.49E-05	G	A	-0.0002	0.0189	0.960
rs186696265	T	C	0.4656	0.0373	8.97E-36	C	T	-0.0157	0.0139	0.360
rs1870634	G	T	0.0618	0.0086	5.51E-13	T	G	-0.0038	0.0036	0.170
rs1887318	T	C	0.0577	0.0083	4.12E-12	C	T	-0.0010	0.0034	0.570
rs1924981	T	C	0.0457	0.0088	1.86E-07	C	T	0.0025	0.0036	0.490
rs194937	A	G	0.0477	0.0109	1.26E-05	G	A	-0.0104	0.0046	0.032
rs1964272	G	A	0.0441	0.0085	2.29E-07	G	A	-0.0053	0.0034	0.039
rs1967604	A	G	0.0374	0.0092	5.01E-05	A	G	0.0035	0.0037	0.270
rs1968266	T	C	0.0367	0.0091	5.23E-05	C	T	-0.0074	0.0035	0.094
rs199997514	AT	A	0.2242	0.0373	1.86E-09	A	AT	0.0029	0.0157	0.900
rs200686624	CATTT	C	0.1900	0.0442	1.74E-05	C	CATTT	0.0033	0.0200	0.850
rs2011559	G	A	0.0538	0.0127	2.44E-05	A	G	0.0016	0.0045	0.910
rs201837187	T	TA	0.0741	0.0184	5.67E-05	T	TA	0.0036	0.0084	0.420
rs202097157	CGGGGAGGTTGA	C	0.2271	0.0562	5.33E-05	C	CGGGGAGGTTGA	0.0006	0.0180	0.640
rs202220802	C	CATG	0.0478	0.0108	1.02E-05	CATG	C	0.0066	0.0043	0.087
rs2024233	G	A	0.0366	0.0087	2.85E-05	G	A	0.0027	0.0036	0.520
rs2071382	T	C	0.0617	0.0086	7.14E-13	T	C	-0.0053	0.0034	0.095

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs2083460	T	C	0.0716	0.0136	1.41E-07	T	C	0.0200	0.0065	0.002
rs2083636	T	G	0.0514	0.0095	6.44E-08	T	G	0.0051	0.0038	0.220
rs2107595	A	G	0.0742	0.0102	3.41E-13	G	A	-0.0086	0.0046	0.059
rs2149821	A	T	0.0394	0.0095	3.17E-05	A	T	-0.0041	0.0040	0.270
rs2153219	A	G	0.0508	0.0108	2.59E-06	A	G	0.0056	0.0049	0.130
rs2161967	T	G	0.0385	0.0085	6.21E-06	T	G	0.0016	0.0034	0.360
rs2212437	A	G	0.0401	0.0090	7.63E-06	G	A	0.0006	0.0037	0.650
rs2229357	G	A	0.0468	0.0101	3.39E-06	G	A	-0.0030	0.0039	0.360
rs2244608	G	A	0.0513	0.0086	2.32E-09	A	G	0.0009	0.0036	0.590
rs2246942	G	A	0.0763	0.0093	3.51E-16	A	G	-0.0006	0.0035	0.510
rs2257129	C	T	0.0962	0.0201	1.64E-06	T	C	0.0097	0.0114	0.270
rs2281674	C	G	0.0644	0.0158	4.68E-05	G	C	0.0190	0.0065	0.010
rs2286198	G	A	0.0511	0.0100	3.42E-07	G	A	0.0019	0.0042	0.570
rs2306029	T	C	0.0386	0.0089	1.57E-05	T	C	0.0253	0.0034	8.30E-15
rs247616	C	T	0.0438	0.0090	1.01E-06	C	T	-0.0092	0.0036	0.007
rs2492304	A	T	0.0333	0.0083	5.59E-05	T	A	-0.0029	0.0034	0.210
rs251023	G	A	0.0381	0.0085	8.34E-06	A	G	-0.0002	0.0035	0.810
rs259983	C	A	0.0558	0.0119	2.89E-06	A	C	0.0071	0.0050	0.130
rs2616407	C	T	0.0495	0.0109	5.60E-06	T	C	-0.0001	0.0041	0.930
rs2681472	G	A	0.0660	0.0101	7.63E-11	A	G	-0.0027	0.0045	0.450
rs2709437	T	C	0.0341	0.0083	4.38E-05	T	C	0.0011	0.0033	0.880

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs2727020	C	G	0.0418	0.0091	4.70E-06	C	G	-0.0019	0.0036	0.810
rs2738448	G	C	0.0336	0.0083	5.04E-05	C	G	-0.0003	0.0034	0.760
rs2789422	G	A	0.0353	0.0087	4.63E-05	G	A	-0.0033	0.0034	0.370
rs2820315	T	C	0.0426	0.0090	2.09E-06	C	T	-0.0021	0.0036	0.480
rs2832275	T	A	0.0508	0.0107	2.04E-06	A	T	0.0034	0.0046	0.520
rs2836621	T	C	0.0331	0.0081	4.68E-05	C	T	-0.0168	0.0034	8.80E-07
rs2839812	T	A	0.0595	0.0089	1.99E-11	T	A	0.0033	0.0037	0.260
rs2843152	C	G	0.0424	0.0097	1.34E-05	C	G	0.0017	0.0038	0.650
rs28451064	A	G	0.1328	0.0133	2.62E-23	G	A	0.0122	0.0051	0.007
rs28596486	C	T	0.0524	0.0112	2.91E-06	T	C	0.0061	0.0051	0.420
rs28597716	A	G	0.0510	0.0113	6.85E-06	A	G	0.0107	0.0044	0.009
rs288187	C	T	0.0460	0.0109	2.63E-05	C	T	-0.0058	0.0045	0.087
rs2891168	G	A	0.1733	0.0081	1.28E-101	A	G	-0.0020	0.0034	0.490
rs2954029	A	T	0.0604	0.0084	5.24E-13	A	T	-0.0050	0.0034	0.140
rs2971672	C	A	0.0357	0.0083	1.90E-05	A	C	0.0035	0.0035	0.420
rs2972146	T	G	0.0472	0.0087	6.50E-08	G	T	-0.0048	0.0035	0.180
rs3130683	T	C	0.0770	0.0139	2.77E-08	C	T	-0.0009	0.0047	0.890
rs3133293	G	T	0.0415	0.0089	3.34E-06	G	T	0.0004	0.0037	0.630
rs34229028	AC	A	0.0400	0.0087	4.50E-06	AC	A	0.0005	0.0035	0.900
rs34232196	C	T	0.0550	0.0099	2.87E-08	C	T	0.0031	0.0039	0.320
rs34322801	C	G	0.0504	0.0111	6.03E-06	C	G	-0.0243	0.0045	4.00E-08

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs35146811	C	A	0.0419	0.0092	5.36E-06	A	C	0.0014	0.0037	0.610
rs35166119	A	C	0.0848	0.0196	1.55E-05	C	A	0.0032	0.0076	0.670
rs35219138	AT	A	0.0350	0.0084	3.41E-05	A	AT	-0.0039	0.0035	0.510
rs35259348	C	G	0.0510	0.0096	1.15E-07	G	C	0.0025	0.0040	0.710
rs35465346	G	A	0.0547	0.0121	5.91E-06	G	A	-0.0152	0.0045	0.001
rs35489971	A	G	0.0539	0.0110	1.06E-06	A	G	-0.0104	0.0043	0.011
rs35500812	A	AC	0.0422	0.0089	2.28E-06	AC	A	0.0121	0.0035	2.20E-04
rs35614134	AC	A	0.0403	0.0094	1.71E-05	A	AC	-0.0117	0.0040	8.20E-04
rs36002015	GT	G	0.0420	0.0091	3.68E-06	GT	G	-0.0019	0.0036	0.780
rs367948	C	G	0.0420	0.0102	3.76E-05	G	C	-0.0058	0.0042	0.130
rs3755549	C	T	0.0345	0.0082	2.64E-05	T	C	-0.0038	0.0034	0.320
rs3776307	G	A	0.0383	0.0086	9.40E-06	A	G	-0.0029	0.0034	0.440
rs3782774	G	A	0.0363	0.0086	2.17E-05	A	G	0.0027	0.0034	0.450
rs3796587	C	G	0.0632	0.0104	1.24E-09	C	G	0.0075	0.0043	0.120
rs3813452	T	C	0.0350	0.0085	3.67E-05	C	T	-0.0024	0.0035	0.770
rs3821396	G	A	0.0599	0.0133	6.57E-06	G	A	-0.0010	0.0053	1.000
rs3832966	ACCCG	A	0.0447	0.0084	1.11E-07	A	ACCCG	-0.0115	0.0034	2.70E-04
rs3861086	C	T	0.0445	0.0089	6.34E-07	T	C	0.0007	0.0037	0.850
rs3918226	T	C	0.1253	0.0177	1.58E-12	C	T	-0.0144	0.0062	0.007
rs3993105	T	C	0.0471	0.0089	1.06E-07	C	T	-0.0058	0.0037	0.120
rs4076834	T	G	0.1002	0.0176	1.23E-08	T	G	0.0001	0.0068	0.930

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs41269888	CTG	C	0.0692	0.0095	2.75E-13	CTG	C	-0.0065	0.0040	0.064
rs41272114	C	T	0.1208	0.0231	1.80E-07	C	T	-0.0092	0.0087	0.490
rs4149311	T	C	0.0519	0.0117	9.06E-06	C	T	0.0037	0.0052	0.560
rs421329	C	T	0.0494	0.0103	1.55E-06	C	T	0.0013	0.0043	0.380
rs425105	C	T	0.0466	0.0114	4.72E-05	T	C	0.0202	0.0046	8.60E-06
rs4299376	G	T	0.0555	0.0089	5.65E-10	G	T	-0.0030	0.0036	0.380
rs4472337	T	C	0.0553	0.0117	2.42E-06	C	T	0.0059	0.0046	0.150
rs4506804	T	G	0.0345	0.0083	3.14E-05	T	G	-0.0049	0.0034	0.100
rs4593108	C	G	0.0579	0.0103	1.95E-08	C	G	-0.0053	0.0045	0.310
rs4632520	C	T	0.0376	0.0090	2.90E-05	T	C	-0.0015	0.0038	0.480
rs4643373	T	C	0.0458	0.0094	1.20E-06	T	C	0.0087	0.0037	0.020
rs468224	A	G	0.0427	0.0096	8.85E-06	A	G	-0.0055	0.0040	0.080
rs4691	T	C	0.0406	0.0091	8.67E-06	T	C	-0.0016	0.0038	0.320
rs4760	G	A	0.0540	0.0128	2.56E-05	A	G	-0.0045	0.0046	0.088
rs4773141	G	C	0.0593	0.0097	9.46E-10	C	G	-0.0002	0.0036	0.630
rs507666	A	G	0.0740	0.0104	1.34E-12	G	A	0.0318	0.0043	8.10E-15
rs55889159	G	GTT	0.0361	0.0086	2.67E-05	GTT	G	0.0054	0.0036	0.270
rs56015508	C	A	0.0539	0.0101	1.08E-07	C	A	0.0096	0.0041	0.019
rs56131196	A	G	0.0818	0.0117	2.71E-12	G	A	0.0006	0.0043	0.990
rs56170783	A	C	0.1044	0.0148	2.14E-12	A	C	0.0165	0.0058	0.008
rs56210063	C	G	0.0683	0.0166	4.00E-05	G	C	0.0211	0.0083	0.006

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs56245751	T	C	0.0609	0.0139	1.13E-05	T	C	-0.0039	0.0046	0.710
rs56313611	C	T	0.0584	0.0121	1.39E-06	C	T	-0.0105	0.0048	0.024
rs567040	C	T	0.0370	0.0092	6.21E-05	C	T	-0.0004	0.0037	0.720
rs571353	C	T	0.0429	0.0092	3.47E-06	C	T	-0.0031	0.0037	0.270
rs58560619	C	T	0.0361	0.0084	1.65E-05	T	C	-0.0005	0.0034	0.670
rs58594043	AT	A	0.0572	0.0127	6.28E-06	AT	A	-0.0040	0.0056	0.680
rs585967	C	A	0.0658	0.0118	2.76E-08	A	C	0.0081	0.0047	0.120
rs5868014	G	GC	0.0550	0.0109	4.25E-07	GC	G	-0.0128	0.0043	0.002
rs59898454	A	G	0.1471	0.0310	2.09E-06	A	G	-0.0124	0.0114	0.240
rs59909520	T	TG	0.0621	0.0135	4.54E-06	T	TG	0.0120	0.0061	0.057
rs6129767	G	T	0.0396	0.0090	1.04E-05	T	G	-0.0092	0.0037	0.007
rs61969072	G	T	0.0480	0.0108	8.52E-06	T	G	0.0011	0.0044	0.780
rs62076439	T	G	0.0436	0.0088	7.83E-07	G	T	0.0033	0.0035	0.260
rs62172372	A	G	0.0459	0.0111	3.61E-05	A	G	-0.0167	0.0042	9.10E-05
rs62253653	A	G	0.0383	0.0094	4.35E-05	A	G	0.0086	0.0037	0.003
rs62265630	G	T	0.0672	0.0117	1.00E-08	T	G	-0.0005	0.0048	0.940
rs634552	G	T	0.0495	0.0122	4.71E-05	T	G	-0.0020	0.0048	0.740
rs6413828	A	T	0.0380	0.0088	1.77E-05	A	T	-0.0012	0.0037	0.540
rs6458138	G	A	0.0650	0.0162	6.13E-05	A	G	0.0053	0.0065	0.310
rs6504218	G	A	0.0409	0.0083	9.41E-07	A	G	-0.0054	0.0034	0.230
rs6511720	G	T	0.1283	0.0134	7.88E-22	G	T	-0.0053	0.0052	0.200

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs6538176	T	C	0.0471	0.0104	6.24E-06	C	T	-0.0034	0.0042	0.420
rs6665249	A	G	0.0424	0.0098	1.54E-05	G	A	0.0001	0.0037	0.940
rs6689306	A	G	0.0502	0.0083	1.46E-09	A	G	0.0044	0.0035	0.230
rs67180937	G	T	0.0711	0.0095	8.45E-14	T	G	0.0031	0.0037	0.450
rs6727557	T	C	0.0604	0.0141	1.93E-05	C	T	0.0017	0.0042	0.940
rs6761276	T	C	0.0357	0.0085	2.66E-05	T	C	-0.0010	0.0034	0.510
rs6787409	C	T	0.0389	0.0090	1.63E-05	T	C	0.0025	0.0037	0.750
rs6841581	A	G	0.0683	0.0110	4.57E-10	G	A	-0.0037	0.0048	0.360
rs6860540	G	A	0.0346	0.0086	5.49E-05	G	A	0.0011	0.0036	0.800
rs6883598	C	A	0.0393	0.0093	2.32E-05	A	C	0.0145	0.0038	1.50E-04
rs6905288	A	G	0.0390	0.0084	3.26E-06	G	A	-0.0072	0.0034	0.012
rs6956990	C	T	0.1151	0.0259	9.11E-06	T	C	-0.0031	0.0124	0.970
rs7094201	G	A	0.0623	0.0155	5.77E-05	A	G	0.0080	0.0068	0.160
rs7098414	A	C	0.0460	0.0098	2.66E-06	A	C	-0.0143	0.0038	1.00E-04
rs71313931	G	C	0.0394	0.0092	1.87E-05	C	G	0.0137	0.0038	7.90E-04
rs71331765	G	C	0.0511	0.0125	4.47E-05	C	G	-0.0075	0.0045	0.098
rs7139492	C	T	0.0402	0.0094	1.88E-05	C	T	-0.0024	0.0039	0.400
rs71600236	C	G	0.0393	0.0087	6.54E-06	C	G	0.0002	0.0037	0.840
rs7164479	T	C	0.0721	0.0084	6.38E-18	C	T	-0.0020	0.0034	0.360
rs71737208	A	AAT	0.0469	0.0104	6.80E-06	AAT	A	-0.0197	0.0044	9.60E-06
rs7177201	T	C	0.0774	0.0103	6.75E-14	T	C	0.0036	0.0040	0.430

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs7185993	T	C	0.0363	0.0083	1.23E-05	C	T	-0.0011	0.0034	0.380
rs7205284	G	C	0.0469	0.0100	2.88E-06	G	C	0.0056	0.0036	0.031
rs7211674	C	A	0.0336	0.0084	6.14E-05	C	A	-0.0099	0.0034	0.004
rs72375964	G	GAGGAGA	0.0368	0.0087	2.42E-05	GAGGAGA	G	-0.0098	0.0036	0.016
rs72627509	G	C	0.0537	0.0100	8.10E-08	C	G	0.0072	0.0043	0.100
rs72658939	G	C	0.0459	0.0110	2.80E-05	C	G	0.0001	0.0044	0.810
rs72743461	C	A	0.0712	0.0103	4.81E-12	C	A	-0.0117	0.0040	0.003
rs73015715	T	C	0.0493	0.0104	2.32E-06	C	T	-0.0056	0.0042	0.310
rs73045269	T	C	0.0643	0.0123	1.71E-07	C	T	0.0002	0.0045	0.960
rs73468973	A	G	0.0427	0.0106	5.68E-05	G	A	0.0135	0.0041	0.001
rs7412	C	T	0.1432	0.0159	2.17E-19	C	T	-0.0087	0.0061	0.220
rs742115	C	T	0.0359	0.0086	2.86E-05	C	T	0.0014	0.0035	0.810
rs743339	C	T	0.0751	0.0099	3.05E-14	T	C	-0.0131	0.0038	2.70E-04
rs7435973	G	A	0.0590	0.0117	4.51E-07	G	A	0.0065	0.0055	0.340
rs748431	G	T	0.0409	0.0083	9.04E-07	G	T	-0.0067	0.0035	0.240
rs7500448	A	G	0.0591	0.0101	5.14E-09	A	G	0.0042	0.0039	0.380
rs75187018	G	A	0.1360	0.0317	1.85E-05	G	A	-0.0165	0.0097	0.180
rs7528419	A	G	0.1086	0.0101	3.77E-27	A	G	-0.0130	0.0040	0.003
rs7538207	C	T	0.0985	0.0217	5.73E-06	C	T	-0.0032	0.0113	0.800
rs75535189	C	T	0.2625	0.0594	1.01E-05	T	C	0.0228	0.0199	0.320
rs75589791	G	A	0.0646	0.0159	4.58E-05	A	G	-0.0040	0.0068	0.720

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs7568458	A	T	0.0609	0.0083	2.39E-13	T	A	0.0060	0.0034	0.073
rs7570006	C	T	0.0485	0.0118	3.78E-05	T	C	-0.0027	0.0056	0.550
rs7578433	T	C	0.0701	0.0170	3.87E-05	T	C	-0.0146	0.0063	0.031
rs7623687	A	C	0.0716	0.0121	3.72E-09	A	C	-0.0006	0.0048	0.900
rs7678555	C	A	0.0483	0.0092	1.43E-07	A	C	0.0002	0.0037	0.780
rs77211063	T	C	0.1104	0.0261	2.30E-05	C	T	-0.0107	0.0092	0.240
rs77275410	C	T	0.0609	0.0145	2.55E-05	T	C	-0.0350	0.0063	5.00E-09
rs77622129	A	G	0.0941	0.0221	2.00E-05	G	A	-0.0153	0.0070	0.048
rs78030362	G	A	0.0691	0.0171	5.46E-05	A	G	0.0281	0.0064	2.80E-06
rs781622	T	C	0.0361	0.0085	2.13E-05	T	C	-0.0002	0.0036	0.750
rs78850423	A	G	0.1434	0.0324	9.49E-06	G	A	-0.0012	0.0109	0.910
rs79716828	C	A	0.1107	0.0249	8.63E-06	A	C	0.0061	0.0089	0.550
rs8068571	T	C	0.0419	0.0097	1.76E-05	T	C	0.0125	0.0038	0.003
rs8068844	C	T	0.0432	0.0085	3.93E-07	T	C	-0.0066	0.0036	0.021
rs8068952	G	C	0.0696	0.0115	1.41E-09	G	C	0.0336	0.0041	2.40E-17
rs8108632	T	A	0.0478	0.0088	5.88E-08	T	A	-0.0034	0.0035	0.300
rs833509	C	T	0.0391	0.0093	2.58E-05	C	T	0.0102	0.0038	0.007
rs869396	C	A	0.0391	0.0082	1.85E-06	C	A	0.0036	0.0034	0.400
rs9349379	G	A	0.1054	0.0085	9.95E-36	A	G	0.0053	0.0034	0.260
rs9398803	A	G	0.0337	0.0084	6.23E-05	A	G	0.0126	0.0034	1.40E-05
rs948937	A	T	0.0344	0.0086	6.24E-05	A	T	-0.0001	0.0035	0.840

	GWAS of CAD					GWAS of eBMD				
SNP	**EA**	**NEA**	**beta**	**se**	**p**	**EA**	**NEA**	**beta**	**se**	**p**
rs9493752	A	G	0.1542	0.0343	7.05E-06	G	A	0.0634	0.0409	0.170
rs9501744	C	T	0.0643	0.0132	1.08E-06	C	T	-0.0009	0.0049	0.860
rs9591012	G	A	0.0378	0.0088	1.87E-05	G	A	0.0165	0.0035	1.90E-07
rs9604969	A	G	0.0601	0.0149	5.69E-05	A	G	-0.0072	0.0063	0.210
rs964184	G	C	0.0508	0.0111	4.68E-06	G	C	-0.0005	0.0049	0.880
rs9869263	G	A	0.0477	0.0116	3.74E-05	A	G	0.0014	0.0046	0.900
rs9897596	T	C	0.0395	0.0085	3.13E-06	T	C	-0.0057	0.0034	0.077
rs9929108	T	G	0.0472	0.0091	2.32E-07	T	G	0.0047	0.0038	0.360
rs9951447	C	T	0.0381	0.0083	4.37E-06	T	C	-0.0046	0.0034	0.520
ss1388031300	TATTTA	T	0.0591	0.0132	7.71E-06	TATTTA	T	-0.0095	0.0049	0.018

EA: effect allele; NEA: non-effect allele; beta: effect size; se: standard error for beta; p: p-value

Supplementary Table 11. Comparison of observational and causal estimates for BMD (in SD) per 1 SD decrease of HDL-C.

Analysis	Beta	95% CI		P-value
		Lower	Upper	
Observational				
BMD at femoral neck*				
NHANES III	-0.055	-0.105	-0.005	0.032
HKOS	0.033	-0.025	0.091	0.271
BMD at lumbar spine*				
HKOS	0.04	-0.021	0.01	0.197
Mendelian Randomization approach to evaluate causal effects of HDL-C on TB-BMD				
86 SNPs				
Conventional IVW	0.020	-0.021	0.061	0.346
Multivariable IVW	0.015	-0.033	0.062	0.543
Weighted median	0.002	-0.041	0.046	0.924
MR-Egger	-0.011	-0.077	0.055	0.742
MR-Egger intercept	0.002	-0.001	0.005	0.236
Mendelian Randomization approach to evaluate causal effects of HDL-C on eBMD				
86 SNPs				
Conventional IVW	0.026	-0.025	0.078	0.319
Multivariable IVW	0.003	-0.054	0.061	0.916
Weighted median	0.003	-0.028	0.033	0.866
MR-Egger	-0.055	-0.136	0.025	0.179
MR-Egger intercept	0.005	0.001	0.009	0.011

*Model was adjusted for age, sex, ethnicity/race, weight, height, serum LDL-C levels, and serum triglycerides levels.

Supplementary Table 12. Comparison of observational and causal estimates for BMD (in SD) per 1 SD decrease of triglycerides.

Analysis	Beta	95% CI		P-value
		Lower	Upper	
Observational				
BMD at femoral neck*				
NHANES III	-0.023	-0.062	0.017	0.251
HKOS	0.017	-0.039	0.072	0.558
BMD at lumbar spine*				
HKOS	0.003	-0.055	0.061	0.924
Mendelian Randomization approach to evaluate causal effects of triglycerides on TB-BMD				
51 SNPs				
Conventional IVW	0.064	0.011	0.118	0.019
Multivariable IVW	0.084	0.023	0.144	0.007
Weighted median	0.046	-0.017	0.109	0.152
MR-Egger	0.105	0.015	0.195	0.022
MR-Egger intercept	-0.003	-0.007	0.002	0.270
38 SNPs [Sensitivity analysis after exclusion of 13 genetic instruments associated with potential confounders (BMI and diabetes)]				
Conventional IVW	0.037	-0.018	0.092	0.187
Multivariable IVW	0.046	-0.017	0.109	0.150
Weighted median	-0.033	-0.034	0.100	0.338
MR-Egger	0.049	-0.044	0.142	0.301
MR-Egger intercept	$-7x10^{-4}$	-0.006	0.004	0.752
Mendelian Randomization approach to evaluate causal effects of triglycerides on eBMD				
51 SNPs				
Conventional IVW	-0.009	-0.056	0.038	0.713
Multivariable IVW	-0.015	-0.067	0.037	0.578
Weighted median	-0.004	-0.042	0.034	0.838
MR-Egger	0.003	-0.077	0.083	0.944
MR-Egger intercept	-0.001	-0.005	0.003	0.721

*Model was adjusted for age, sex, ethnicity/race, weight, height, serum HDL-C levels, and serum LDL-C levels.

Supplementary Table 13. Causal estimates for age-stratified TB-BMD (in SD) per SD decrease of LDL-C

MR Analysis	Beta	95% CI		P-value
		Lower	Upper	
Age: 15 or less				
Conventional IVW	0.070	0.010	0.130	0.023
Multivariable IVW	0.064	0.001	0.126	0.045
Weighted median	0.027	-0.076	0.130	0.609
MR-Egger	0.080	-0.013	0.175	0.092
MR-Egger intercept	0.001	-0.006	0.005	0.757
Age: 15 to 30				
Conventional IVW	-0.058	-0.171	0.056	0.319
Multivariable IVW	-0.065	-0.182	0.052	0.275
Weighted median	-0.013	-0.181	0.155	0.879
MR-Egger	0.005	-0.174	0.185	0.953
MR-Egger intercept	-0.005	-0.015	0.006	0.374
Age: 30 to 45				
Conventional IVW	0.062	-0.007	0.132	0.077
Multivariable IVW	0.055	-0.017	0.127	0.132
Weighted median	-0.001	-0.107	0.105	0.988
MR-Egger	-0.010	-0.121	0.100	0.854
MR-Egger intercept	0.005	-0.001	0.012	0.098
Age: 45 to 60				
Conventional IVW	0.031	-0.021	0.084	0.240
Multivariable IVW	0.016	-0.038	0.069	0.570
Weighted median	0.037	-0.037	0.112	0.326
MR-Egger	0.016	-0.069	0.101	0.720
MR-Egger intercept	0.001	-0.004	0.006	0.640
Age: 60 or above				
Conventional IVW	0.029	-0.026	0.085	0.301
Multivariable IVW	0.034	-0.022	0.091	0.234
Weighted median	0.001	-0.069	0.070	0.986
MR-Egger	-0.029	-0.115	0.057	0.511
MR-Egger intercept	0.004	-0.001	0.009	0.085

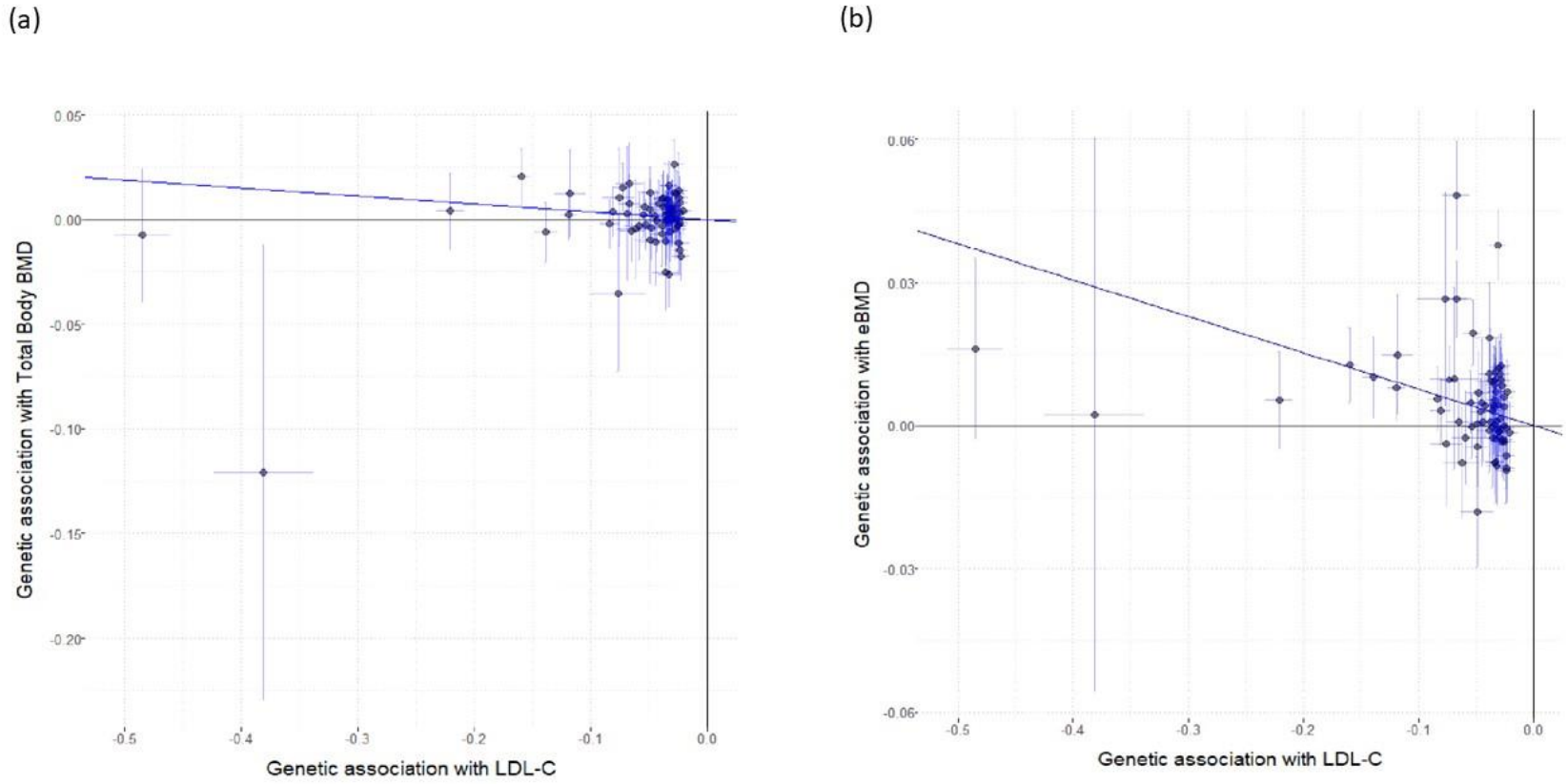
Supplementary Table 14. Causal estimates for fracture per 1 SD decrease of LDL-C.

Analysis	Odds Ratio	95% CI		P-value
		Lower	Upper	
Mendelian Randomization approach to evaluate causality of LDL-C on fracture				
76 SNPs				
Conventional IVW	1.029	0.982	1.079	0.228
Multivariable IVW	1.002	0.950	1.000	0.948
Weighted median	1.045	0.979	1.115	0.187
MR-Egger	0.984	0.914	1.060	0.676
MR-Egger intercept	1.003	0.999	1.008	0.126

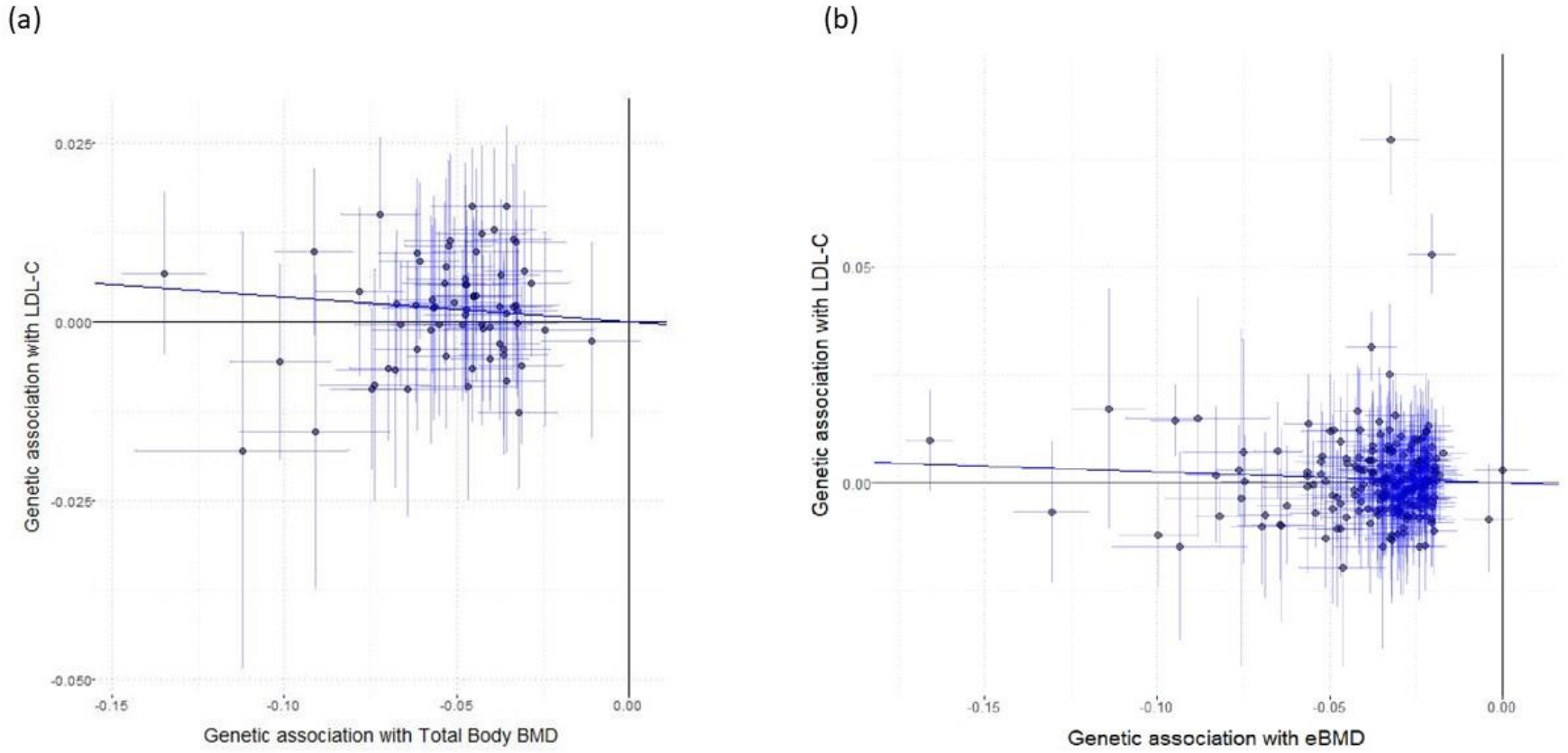
Supplementary Table 15. Causal estimates for BMD per log-odds of CAD.

Mendelian Randomization approach to evaluate causal effects of CAD on TB-BMD				
Analysis	**Beta**	**95% CI**		**P-value**
		Lower	**Upper**	
294 SNPs				
Conventional IVW	-0.005	-0.026	0.016	0.634
Weighted median	0.0004	-0.025	0.026	0.974
MR-Egger	0.019	-0.029	0.067	0.441
MR-Egger intercept	-0.002	-0.004	0.001	0.279
Mendelian Randomization approach to evaluate causal effects of CAD on eBMD				
Analysis	**Beta**	**95% CI**		**P-value**
		Lower	**Upper**	
297 SNPs				
Conventional IVW	-0.010	-0.028	0.007	0.255
Weighted median	0.002	-0.014	0.019	0.768
MR-Egger	0.010	-0.031	0.051	0.625
MR-Egger intercept	-0.001	-0.004	0.001	0.276

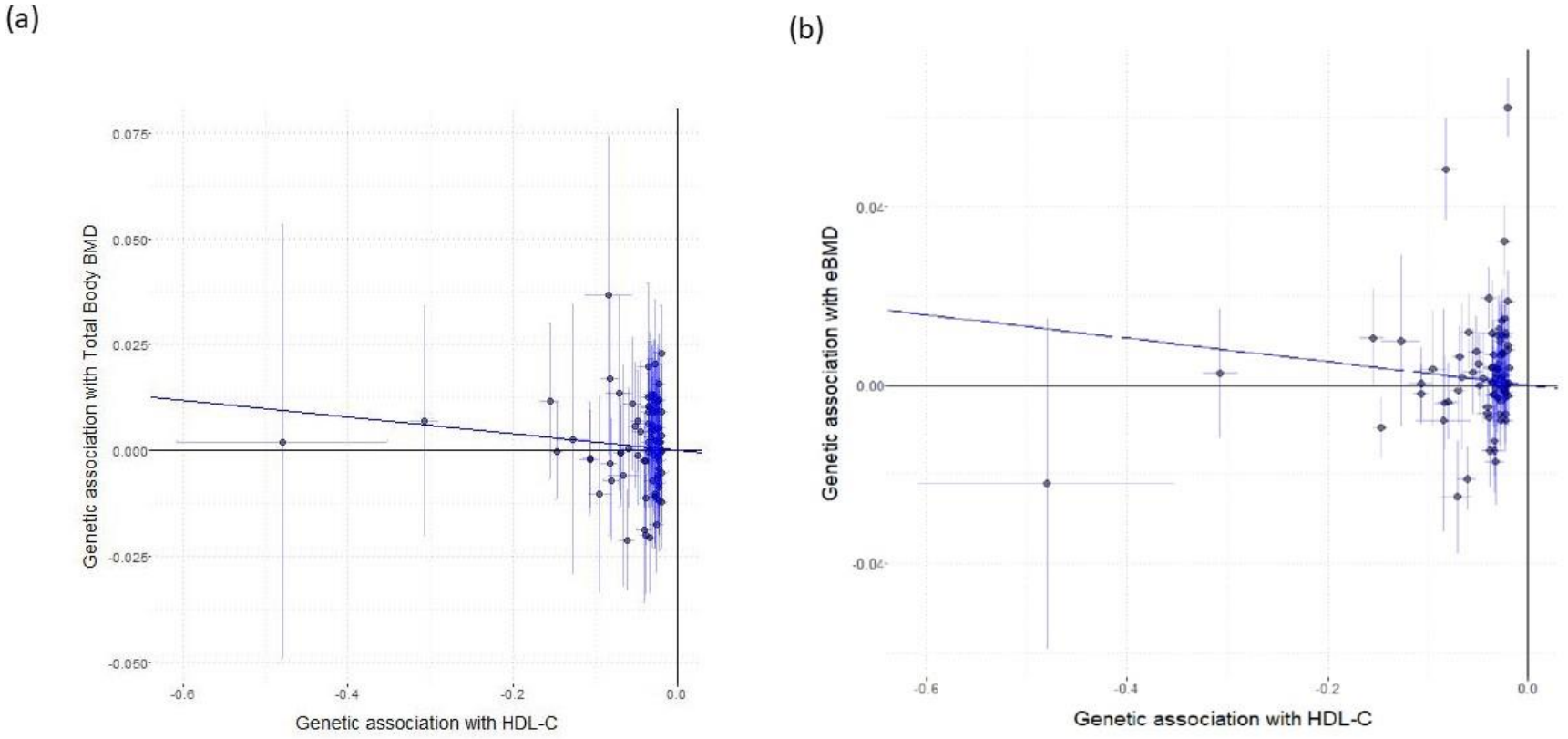
Supplementary Figure 1. Association of LDL-C with BMD using MR-IVW approach.
(a) Association of LDL-C with TB-BMD using MR-IVW approach.
(b) Association of LDL-C with eBMD using MR-IVW approach.



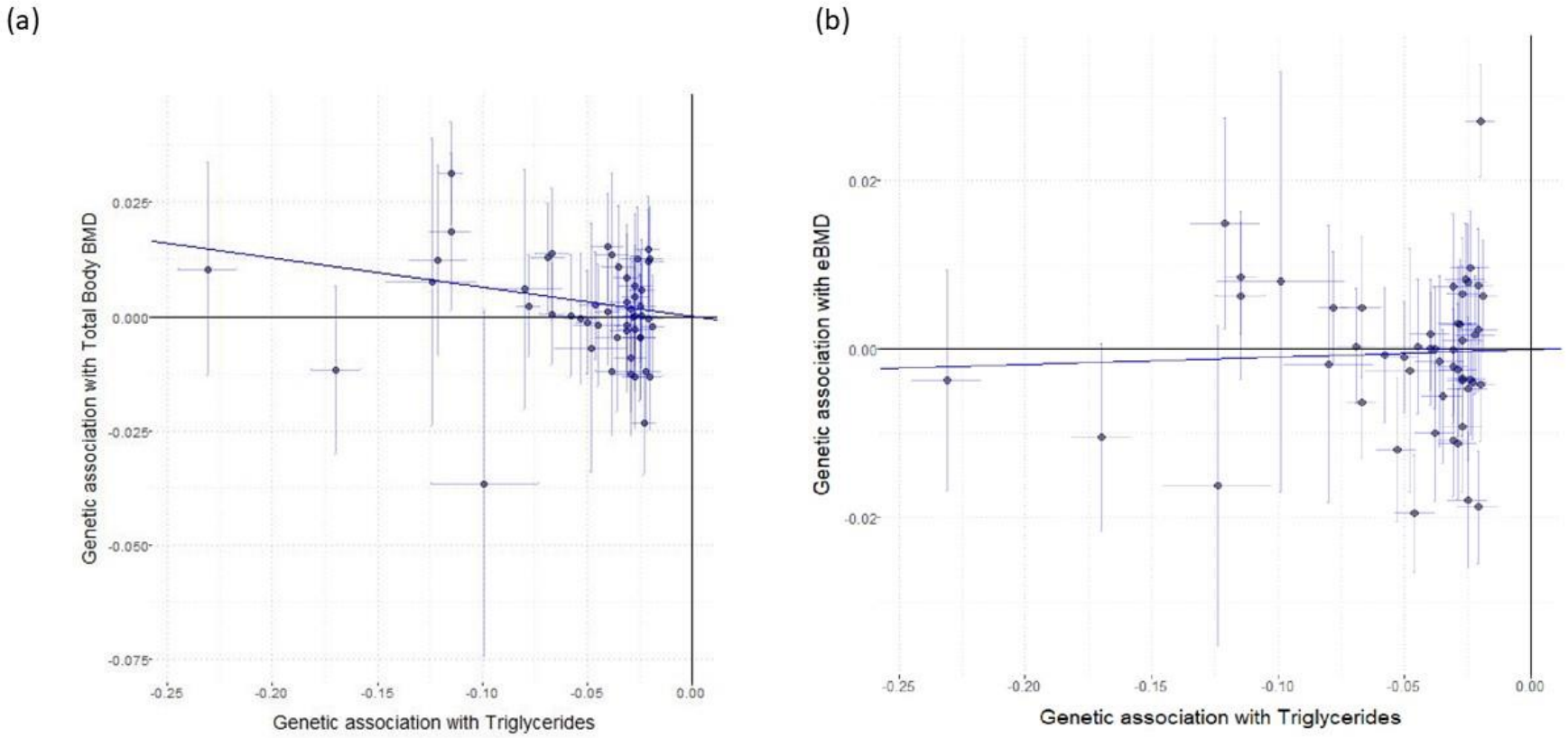
Supplementary Figure 2. Association of BMD with LDL-C using MR-IVW approach.
(a) Association of TB-BMD with LDL-C using MR-IVW approach.
(b) Association of eBMD with LDL-C using MR-IVW approach.



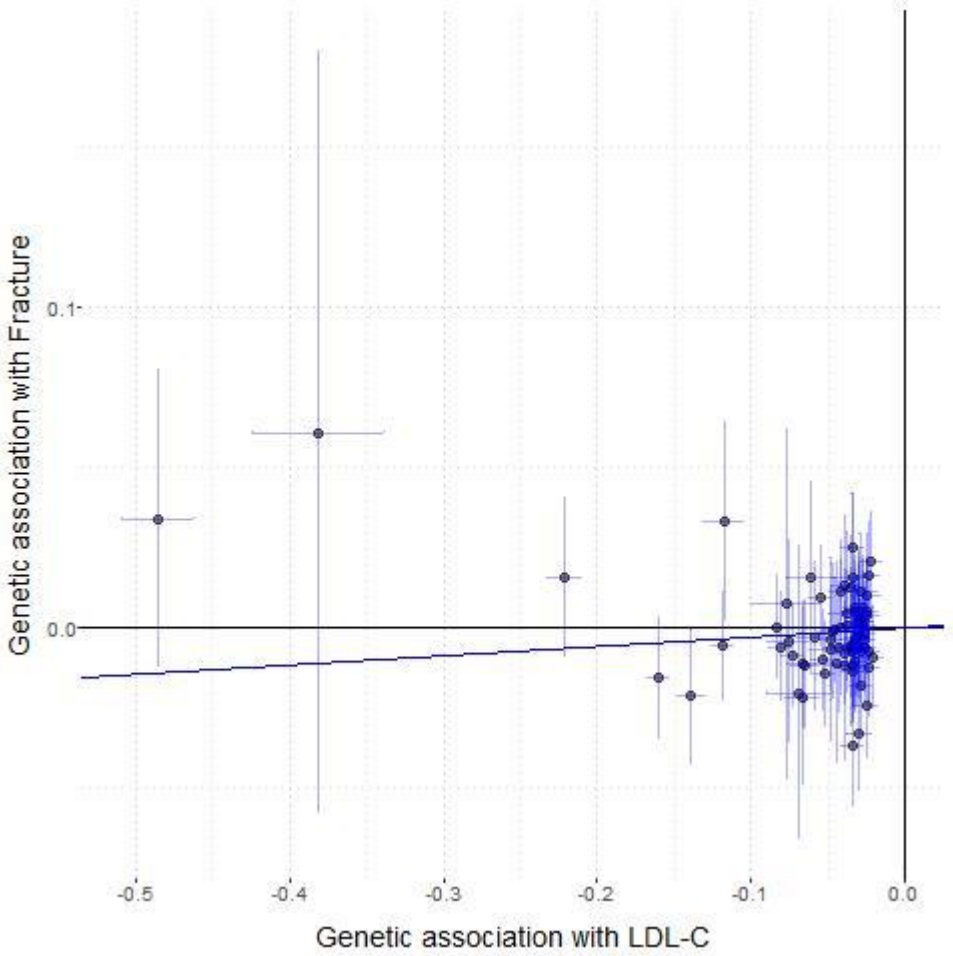
Supplementary Figure 3. Association of HDL-C with BMD using MR-IVW approach.
(a) Association of HDL-C with TB-BMD using MR-IVW approach.
(b) Association of HDL-C with eBMD using MR-IVW approach.



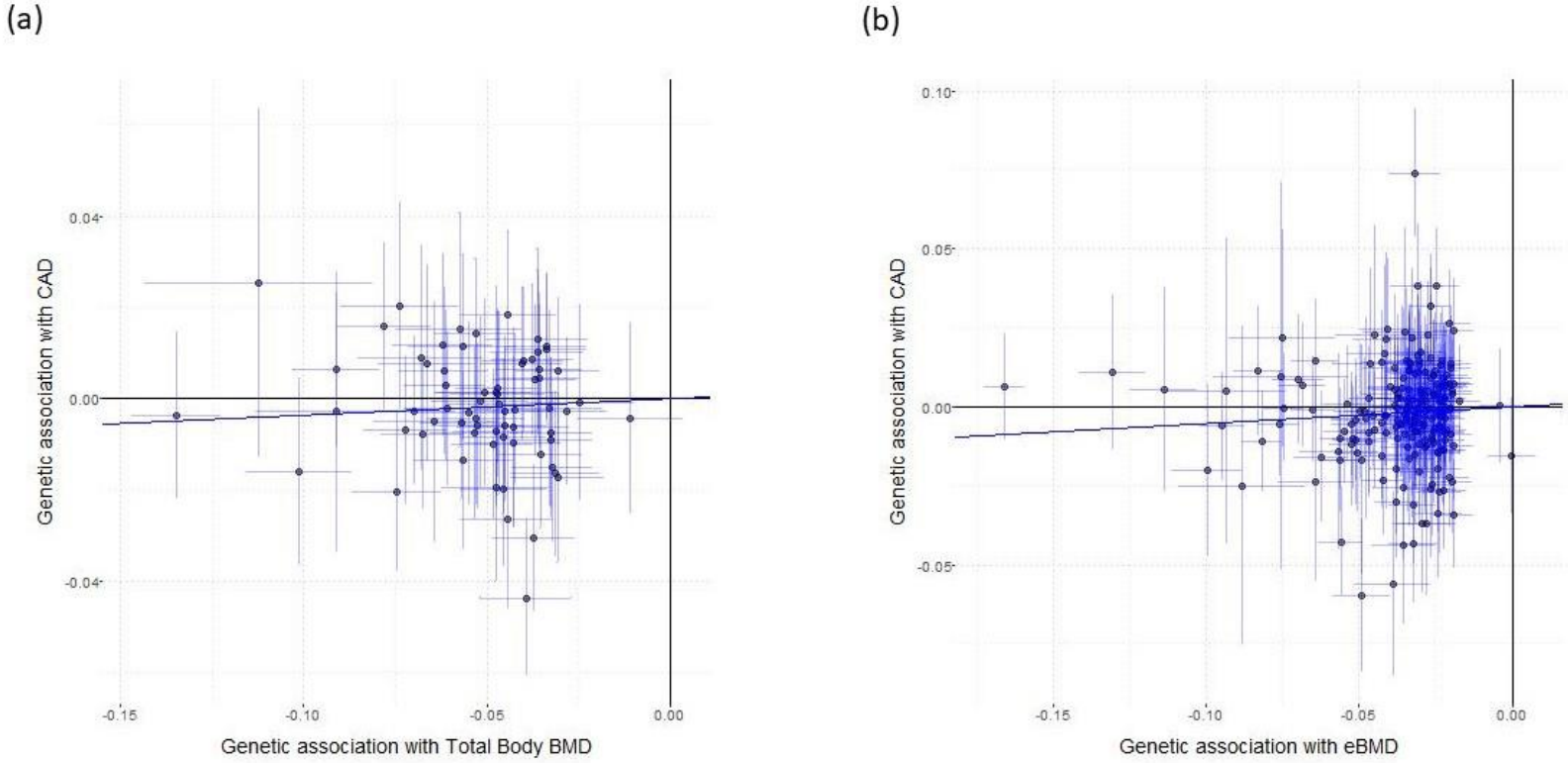
Supplementary Figure 4. Association of triglycerides with BMD using MR-IVW approach.
(a) Association of triglycerides with TB-BMD using MR-IVW approach.
(b) Association of triglycerides with eBMD using MR-IVW approach.



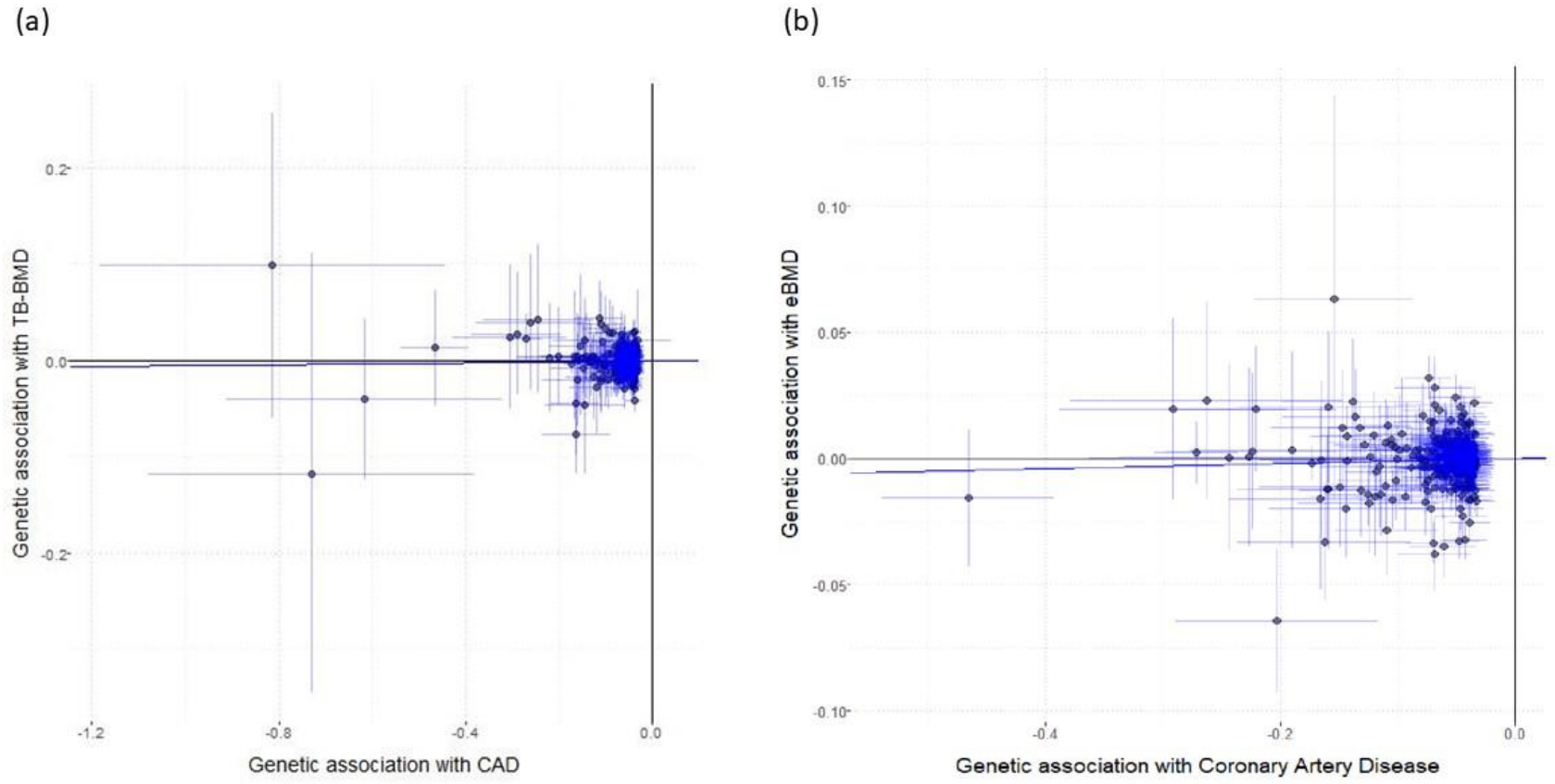
Supplementary Figure 5. Association of LDL-C with fracture using MR-IVW approach.



Supplementary Figure 6. Association of BMD with CAD using MR-IVW approach.
(a) Association of TB-BMD with CAD using MR-IVW approach.
(b) Association of eBMD with CAD using MR-IVW approach.



Supplementary Figure 7. Association of CAD with BMD using MR-IVW approach.
(c) Association of CAD with TB-BMD using MR-IVW approach.
(d) Association of CAD with eBMD using MR-IVW approach.



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