

BRIEF COMMUNICATION

# Risk Factors for Polyvascular Involvement in Patients With Peripheral Artery Disease: A Mendelian Randomization Study

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**BACKGROUND:** Atherosclerosis in >1 vascular bed (ie, polyvascular disease), often a feature of peripheral artery disease (PAD), is associated with high morbidity and mortality. We sought to identify risk factors for polyvascular involvement in patients with PAD.

**METHODS AND RESULTS:** We performed 2-sample Mendelian randomization using an inverse-variance-weighted approach, to assess 60 exposures including size and lipid content of atherogenic lipoproteins, blood pressure, glycated hemoglobin, and smoking as causal mediators for polyvascular disease in patients with PAD. Genetic instruments for these exposures were obtained from prior genome-wide association studies. Patients with PAD were from the Mayo Vascular Disease Biorepository, and polyvascular disease (ie, concomitant coronary heart disease, cerebrovascular disease, and/or abdominal aortic aneurysm) was ascertained by validated phenotyping algorithms. Of 3279 patients with PAD, 61% had polyvascular disease. Genetically predicted levels of the lipid content and/or particle measures of very small and small size very low-density lipoprotein, intermediate-density lipoprotein, and large low-density lipoprotein were associated with polyvascular disease: odds ratios (OR) of 1.80 (95% CI, 1.23–2.61), 1.70 (95% CI, 1.17–2.61), and 1.40 (95% CI, 1.09–1.80) per 1 SD increase in genetically determined levels, respectively. Both genetically predicted diastolic and systolic blood pressure were associated with polyvascular disease; OR per 10 mm Hg genetic increase in diastolic and systolic blood pressure were 1.66 (95% CI, 1.19–2.33) and 1.31 (95% CI, 1.07–1.60), respectively.

**CONCLUSIONS:** Lifetime exposure to increased lipid content and levels of very small and small very low-density lipoprotein, intermediate-density lipoprotein, and large low-density lipoprotein particles as well as elevated blood pressure are associated with polyvascular involvement in patients with PAD. Reduction in levels of such exposures may limit progression of atherosclerosis in patients with PAD.

**Key Words:** atherosclerosis ■ blood pressure ■ lipoproteins ■ Mendelian randomization ■ peripheral artery disease ■ polyvascular disease

Peripheral artery disease (PAD), defined as atherosclerotic disease of the arteries supplying the lower limbs,<sup>1</sup> affects >200 million individuals worldwide and is associated with greatly increased risk of adverse cardiovascular events and death.<sup>1,2</sup> PAD is often associated with atherosclerosis in other vascular beds (ie, polyvascular disease) with prior studies reporting that nearly 60% of patients have

concomitant coronary and/or cerebral artery involvement.<sup>3</sup> In comparison with patients with PAD alone, patients with PAD and polyvascular disease are at higher risk of adverse cardiovascular events and need for lower extremity revascularization.<sup>4</sup> Although it has been suggested that oxidative damage from smoking, vessel wall permeability of lipoprotein particles, hemodynamic factors, and serum glycated

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hemoglobin levels may contribute to vascular bed specificity of atherosclerosis,<sup>5</sup> factors contributing to diffuse atherosclerosis across multiple vascular beds are unclear. Furthermore, lipoprotein subclasses beyond low-density lipoprotein (LDL) may confer residual risk not addressed with statin medications.<sup>6</sup> However, it remains unknown if any of these factors specifically confer risk for the development of polyvascular disease in addition to PAD. To address this gap in knowledge, we performed Mendelian randomization (MR) analyses to assess the association of genetically predicted levels of different atherogenic lipoprotein subclasses, blood pressure (BP), glycated hemoglobin, and genetic predisposition to smoking with the presence of polyvascular disease in patients with PAD.

## METHODS

The authors declare that all supporting data are available within the article.

### Genetic Instruments for Atherosclerotic Cardiovascular Disease Risk Factors

We performed 2-sample MR to assess 60 exposures related to conventional risk factors for atherosclerotic cardiovascular disease (ASCVD) as causal mediators for polyvascular disease in patients with PAD: measurements of total lipid, total cholesterol, cholesterol ester, free cholesterol, triglyceride, phospholipid content, and particle concentration of different sizes (very large, large, medium, small, very small) of atherogenic lipoprotein subclasses (lipoprotein[a], LDL, intermediate-density lipoprotein [IDL], and very low-density lipoprotein [VLDL]) as available, systolic and diastolic BP, glycated hemoglobin, ever being a smoker, smoking initiation age, smoking cessation, and smoking quantity. Independent genetic instruments for these exposures were obtained by clumping publicly available summary statistics from previous European-ancestry genome-wide association studies<sup>7–11</sup> (Table S1) using a linkage disequilibrium reference panel of 503 European samples from 1000 Genomes phase 3 version 5 (distance=10 000 kb, linkage disequilibrium  $r^2 < 0.001$ ,  $P < 5 \times 10^{-8}$ ). Please see Table S2 for a list of genetic instruments for each exposure and their respective  $R^2$  and  $F$  statistics quantifying the instrument strength.

### Ascertaining PAD and Related Comorbidities

Patients with PAD were identified from the Mayo Vascular Disease Biorepository, which enrolled patients referred for noninvasive vascular evaluation

and exercise stress testing at the Mayo Clinic Gonda Vascular Center from January 14, 2006 to July 24, 2020. We restricted the study cohort to genetically unrelated adult participants ( $\geq 18$  years) of European ancestry given the low proportion of non-European ancestry individuals. ASCVD phenotypes and related comorbidities were ascertained using previously validated electronic phenotyping algorithms based on both structured data elements, including *International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) codes*, current procedural terminology codes, laboratory measurements, and natural language processing of unstructured data elements such as vascular laboratory and imaging reports in the electronic health record.<sup>12–14</sup>

PAD was defined as either an ankle-brachial index  $\leq 0.9$  at rest or 1-minute postexercise, presence of poorly compressible arteries, or history of lower extremity revascularization. Coronary heart disease was defined based on history of myocardial infarction, coronary atherosclerosis/chronic ischemic heart disease, or coronary revascularization. Cerebrovascular disease was ascertained based on the history of ischemic stroke, carotid artery disease, or carotid revascularization. Abdominal aortic aneurysm was defined as having an infrarenal abdominal aortic diameter  $\geq 3$  cm or a history of open/endovascular abdominal aortic aneurysm repair. Polyvascular disease was deemed present when 1 or more of these vascular territories (coronary heart disease, cerebrovascular disease, or abdominal aortic aneurysm) were involved in the setting of PAD any time before enrollment and up to 1 year after (Table 1). All participants gave written informed consent, and the study protocol was approved by the institutional review board at Mayo Clinic, Rochester, MN.

**Table 1. Patient Characteristics\* (n=3279)**

	PAD alone (n=1270)	PAD With Polyvascular Involvement (n=2009)
Age at enrollment, y, mean $\pm$ SD	65.5 $\pm$ 12.0	71.0 $\pm$ 9.7
Female, n (%)	587 (46.2)	590 (29.4)
Hypertension, n (%)	831 (65.4)	1803 (89.7)
Diabetes mellitus, n (%)	283 (22.3)	663 (33.0)
Dyslipidemia, n (%)	1012 (79.7)	1925 (95.8)
Statin use, n (%)	756 (59.5)	1545 (76.9)
Ever smoker, n (%)	907 (71.4)	1611 (80.2)

PAD indicates peripheral artery disease.

\*All baseline characteristics differed significantly between cases and controls ( $P < 0.001$ ).

## Statistical Analysis

We extracted DNA sequence variants for the genetic instruments of the exposures from the Mayo Vascular Disease Biorepository imputed array data set after applying the following quality control filters: minor allele frequency >1%, Hardy–Weinberg equilibrium  $P > 1 \times 10^{-5}$ , imputation quality  $r^2 > 0.3$ .

We performed multivariable logistic regression with polyvascular disease as the outcome and genetic instrument as the predictor, adjusting for age at enrollment, sex, electronic health record duration, and the first 2 genetic principal components. Age at enrollment and electronic health record duration were modeled flexibly by including restricted cubic splines with 4 knots to allow for nonlinear effects.

Association statistics of the genetic instruments for the exposures and the outcome were harmonized to conduct 2-sample MR with a multiplicative random effects inverse-variance-weighted approach. Given the correlated nature of the exposures, we accounted for multiple hypothesis testing by considering 2-sided  $P$ -values at a Benjamini–Hochberg false discovery rate <0.1 as significant. For significant MR associations, we additionally performed sensitivity analyses using other MR methods such as weighted median estimator and MR–Egger regression, which have lower statistical power than the inverse-variance-weighted MR but provide more robust estimates in the presence of horizontal pleiotropy. Further details regarding MR assumptions and sensitivity analyses are provided in Data S1. All analyses were performed using "rms" and "TwoSampleMR"<sup>15</sup> packages in R version 3.6.2 (R Foundation for Statistical Computing).

## RESULTS

Of the 53 blood lipoprotein concentrations and 7 nonlipid traits related to ASCVD risk factors, there were 18 significant associations with polyvascular disease across measures of 3 lipoprotein subclasses of different sizes and BP traits (Table 2). Genetically predicted levels of the lipid content and/or particle concentration measures of very small and small VLDL, IDL, and large LDL increased the odds of polyvascular involvement in the setting of PAD; odds ratios (OR) of 1.80 (95% CI, 1.23–2.61), 1.70 (95% CI, 1.17–2.61), and 1.40 (95% CI, 1.09–1.80) per 1 SD increase in genetically determined levels, respectively. Atherogenic lipoproteins significantly associated with polyvascular disease were within a specific particle size range, and the strength of association for the measures of lipoprotein components correlated with the particle diameter; OR per 1 SD increase in genetically determined levels of very small VLDL and small VLDL particle measures were the highest, and

ORs were progressively lower for IDL and large LDL particles, respectively (Figure and Table 2).

Both genetically predicted diastolic and systolic BP were significantly associated with polyvascular disease; a 10 mm Hg genetic increase in diastolic BP resulted in a 1.66-fold higher risk (95% CI, 1.19–2.33), and a 10 mm Hg genetic increase in systolic BP resulted in a 1.31-fold higher risk (95% CI, 1.07–1.60) of polyvascular involvement.

There were no significant associations of genetically predicted levels of other lipoprotein subclasses and sizes, glycated hemoglobin, or the genetic predisposition to smoking with polyvascular involvement in patients with PAD. In sensitivity analyses for the significant associations, we did not find any evidence of significant horizontal pleiotropy based on the Cochran Q test and MR–Egger intercept term. Effect estimates across different MR methods were all directionally concordant (Table 3).

## DISCUSSION

In this study, we employed an MR framework to elucidate the causal relationship between traits representing conventional risk factors (ie, hypertension, diabetes mellitus, smoking, and dyslipidemias) and polyvascular disease in individuals with PAD. We identified genetically determined levels of certain subclasses of lipoproteins and BP traits to be associated with polyvascular disease, suggesting pathways that could be targeted to limit diffuse atherosclerosis in patients with PAD.

Genetically elevated levels of large LDL and triglyceride-rich lipoproteins such as IDL and smaller size VLDL resulted in increased risk of polyvascular involvement; very small VLDL had the strongest association: a 1 SD genetic increment in the circulating particle levels resulted in a 1.8-fold increased risk of polyvascular disease. Although LDL cholesterol is a known causal factor for ASCVD, lipoprotein particles aside from LDL also contribute to ASCVD risk.<sup>6</sup> LDL enters the arterial intima through passive "molecular sieving," which is positively correlated with higher particle concentration, lower particle size, elevated BP, and overall accumulation of arterial wall injury.<sup>6</sup> This process also occurs for medium-sized triglyceride-rich lipoproteins, albeit at a slower rate than LDL. Lack of association with larger VLDL in our study could be attributed to lower cholesterol content of these lipoproteins and inefficient penetration of the arterial intima as a result of particle size. Increase in genetically predicted levels of small to medium size LDL and lipoprotein(a) had smaller effect size estimates and were not associated with polyvascular disease. Although these particles are highly

**Table 2. Mendelian Randomization Results**

Comorbidity/Lipid Fraction	Exposure	Number of SNVs	Units	N <sub>exposure</sub> *	OR (95% CI)	P Value
Nonlipid exposure						
Hypertension	Systolic blood pressure	443	10 mm Hg	745 820	1.31 (1.07–1.60) <sup>†</sup>	0.008 <sup>†</sup>
	Diastolic blood pressure	444	10 mm Hg	757 601	1.66 (1.19–2.33) <sup>†</sup>	0.003 <sup>†</sup>
Smoking	Smoking initiation <sup>†</sup>	87	Log odds	1 232 091	0.81 (0.47–1.38)	0.432
	Smoking cessation <sup>§</sup>	8	Log odds	547 219	1.53 (0.57–4.12)	0.400
	Smoking age <sup>  </sup>	7	Years	341 427	0.80 (0.07–9.21)	0.857
	Smoking quantity <sup>  </sup>	22	Cigarettes per day	337 334	1.40 (0.90–2.15)	0.132
Diabetes mellitus	HbA1C—glycated hemoglobin	37	%	123 665	0.85 (0.28–2.65)	0.786
Lipid exposures (in ascending order of lipid subclass particle size)						
Lp(a)	Lp(a)—lipoprotein(a)	5	SD	6440	1.15 (0.92–1.44)	0.213
S.LDL	S.LDL.C—total cholesterol in small LDL	10	SD	21 556	1.22 (0.88–1.70)	0.234
	S.LDL.L—total lipids in small LDL	12	SD	19 273	1.32 (0.91–1.92)	0.141
M.LDL	S.LDL.P—concentration of small LDL particles	8	SD	19 273	1.41 (0.96–2.06)	0.078
	M.LDL.C—total cholesterol in medium LDL	13	SD	21 559	1.29 (0.95–1.76)	0.103
	M.LDL.CE—cholesterol esters in medium LDL	14	SD	19 273	1.33 (0.99–1.78)	0.057
	M.LDL.L—total lipids in medium LDL	13	SD	19 273	1.36 (1.00–1.84)	0.047
	M.LDL.P—concentration of medium LDL particles	13	SD	19 273	1.37 (1.01–1.86)	0.046
L.LDL	M.LDL.PL—phospholipids in medium LDL	11	SD	19 273	1.21 (0.82–1.79)	0.330
	L.LDL.C—total cholesterol in large LDL	14	SD	21 552	1.33 (1.04–1.70) <sup>†</sup>	0.025 <sup>†</sup>
	L.LDL.CE—cholesterol esters in large LDL	14	SD	19 273	1.35 (1.05–1.74) <sup>†</sup>	0.021 <sup>†</sup>
	L.LDL.FC—free cholesterol in large LDL	11	SD	21 555	1.33 (1.04–1.71) <sup>†</sup>	0.022 <sup>†</sup>
	L.LDL.L—total lipids in large LDL	15	SD	19 273	1.37 (1.07–1.75) <sup>†</sup>	0.012 <sup>†</sup>
IDL	L.LDL.P—concentration of large LDL particles	14	SD	19 273	1.40 (1.09–1.80) <sup>†</sup>	0.008 <sup>†</sup>
	L.LDL.PL—phospholipids in large LDL	13	SD	21 550	1.35 (1.05–1.75) <sup>†</sup>	0.020 <sup>†</sup>
	IDL.C—total cholesterol in IDL	13	SD	19 273	1.47 (1.10–1.95) <sup>†</sup>	0.008 <sup>†</sup>
	IDL.FC—free cholesterol in IDL	12	SD	21 559	1.53 (1.18–1.99) <sup>†</sup>	0.001 <sup>†</sup>
	IDL.L—total lipids in IDL	14	SD	19 273	1.48 (1.13–1.95) <sup>†</sup>	0.005 <sup>†</sup>
	IDL.P—concentration of IDL particles	13	SD	19 273	1.56 (1.20–2.03) <sup>†</sup>	0.001 <sup>†</sup>
	IDL.PL—phospholipids in IDL	12	SD	21 559	1.49 (1.14–1.94) <sup>†</sup>	0.004 <sup>†</sup>
XS.VLDL	IDL.TG—triglycerides in IDL	11	SD	19 273	1.70 (1.13–2.56) <sup>†</sup>	0.010 <sup>†</sup>
	XS.VLDL.L—total lipids in very small VLDL	12	SD	19 273	1.80 (1.23–2.61) <sup>†</sup>	0.002 <sup>†</sup>

(Continued)

**Table 2. Continued**

Comorbidity/Lipid Fraction	Exposure	Number of SNVs	Units	N <sub>exposure</sub> *	OR (95% CI)	P Value
	X.S.VLDL.P—concentration of very small VLDL particles	12	SD	19 273	1.75 (1.17–2.61) <sup>†</sup>	0.007 <sup>†</sup>
	X.S.VLDL.PL—phospholipids in very small VLDL	13	SD	19 273	1.59 (1.19–2.11) <sup>†</sup>	0.001 <sup>†</sup>
	X.S.VLDL.TG—triglycerides in very small VLDL	10	SD	19 273	1.39 (0.89–2.17)	0.150
S.VLDL	S.VLDL.C—total cholesterol in small VLDL	10	SD	21 557	1.70 (1.10–2.62) <sup>†</sup>	0.017 <sup>†</sup>
	S.VLDL.FC—free cholesterol in small VLDL	10	SD	21 559	1.68 (1.02–2.75)	0.040
	S.VLDL.L—total lipids in small VLDL	10	SD	19 273	1.60 (1.00–2.57)	0.051
	S.VLDL.P—concentration of small VLDL particles	12	SD	19 273	1.22 (0.79–1.87)	0.366
	S.VLDL.PL—phospholipids in small VLDL	10	SD	21 551	1.49 (0.93–2.37)	0.097
	S.VLDL.TG—triglycerides in small VLDL	11	SD	21 558	1.15 (0.73–1.81)	0.542
M.VLDL	M.VLDL.C—total cholesterol in medium VLDL	10	SD	21 551	1.17 (0.81–1.69)	0.403
	M.VLDL.CE—cholesterol esters in medium VLDL	11	SD	19 273	1.34 (0.89–1.99)	0.157
	M.VLDL.FC—free cholesterol in medium VLDL	7	SD	21 240	1.08 (0.65–1.80)	0.767
	M.VLDL.L—total lipids in medium VLDL	9	SD	19 273	1.29 (0.81–2.04)	0.282
	M.VLDL.P—concentration of medium VLDL particles	11	SD	19 273	1.29 (0.88–1.88)	0.194
	M.VLDL.PL—phospholipids in medium VLDL	11	SD	21 240	1.00 (0.64–1.57)	0.988
	M.VLDL.TG—triglycerides in medium VLDL	10	SD	21 241	0.99 (0.63–1.53)	0.947
L.VLDL	L.VLDL.C—total cholesterol in large VLDL	8	SD	21 235	1.14 (0.63–2.07)	0.657
	L.VLDL.CE—cholesterol esters in large VLDL	9	SD	18 960	1.50 (0.96–2.35)	0.078
	L.VLDL.FC—free cholesterol in large VLDL	9	SD	21 238	0.96 (0.54–1.68)	0.874
	L.VLDL.L—total lipids in large VLDL	9	SD	18 960	0.92 (0.48–1.78)	0.806
	L.VLDL.P—concentration of large VLDL particles	7	SD	18 960	1.05 (0.55–2.00)	0.884
	L.VLDL.PL—phospholipids in large VLDL	8	SD	21 239	1.24 (0.68–2.25)	0.477
	L.VLDL.TG—triglycerides in large VLDL	8	SD	21 239	0.83 (0.44–1.57)	0.574
XL.VLDL	XL.VLDL.L—total lipids in very large VLDL	8	SD	19 273	0.95 (0.50–1.80)	0.879
	XL.VLDL.P—concentration of very large VLDL particles	7	SD	18 960	0.86 (0.48–1.55)	0.612
	XL.VLDL.PL—phospholipids in very large VLDL	7	SD	21 237	0.91 (0.46–1.78)	0.777
	XL.VLDL.TG—triglycerides in very large VLDL	6	SD	21 548	0.74 (0.42–1.33)	0.314

(Continues)

**Table 2. Continued**

Comorbidity/Lipid Fraction	Exposure	Number of SNVs	Units	N <sub>exposure</sub> *	OR (95% CI)	P Value
XXL.VLDL	XXL.VLDL.L—total lipids in chylomicrons and extremely large VLDL	7	SD	18 960	0.86 (0.45–1.64)	0.641
	XXL.VLDL.P—concentration of chylomicrons and extremely large VLDL particles	7	SD	18 960	0.77 (0.43–1.38)	0.385
	XXL.VLDL.PL—phospholipids in chylomicrons and extremely large VLDL	7	SD	21 542	0.98 (0.44–2.18)	0.970
	XXL.VLDL.TG—triglycerides in chylomicrons and extremely large VLDL	8	SD	21 540	0.95 (0.51–1.77)	0.866

IDL indicates intermediate-density lipoprotein; L.LDL, large low-density lipoprotein; M.LDL, medium low-density lipoprotein; S.LDL, small low-density lipoprotein; S.VLDL, small very low-density lipoprotein; SNVs, single nucleotide variants; VLDL, very low-density lipoprotein; XL.VLDL, very large very low-density lipoprotein; XS.VLDL, very small very low-density lipoprotein; and XXL.VLDL, extremely large very low-density lipoprotein.

\*Number of participants included in the original genome-wide association study to identify genetic instruments.

†Significant associations at false discovery rate <0.1.

‡Age at which an individual started smoking cigarettes regularly.

§Current smokers in reference to former smokers.

||Ever smokers in reference to nonsmokers.

¶Average number of cigarettes per day.

atherogenic and strongly associated with PAD at baseline,<sup>1,2</sup> remnant cholesterol and triglyceride-rich lipoproteins may have a more important role in progression of atherosclerosis in patients with PAD.

Genetically predicted diastolic and systolic BP were associated with polyvascular disease, with diastolic BP more strongly associated. This is of interest since isolated systolic hypertension has been considered a better predictor of adverse cardiovascular outcomes than isolated diastolic hypertension.<sup>16</sup> Genetically predicted hemoglobin A1c levels and genetic liability to smoking were not associated with increased risk of polyvascular disease. In a previous report<sup>4</sup> that studied the risk of major adverse cardiovascular events in patients with PAD, the proportions of individuals with a history of hypertension and dyslipidemia were 17% and 19% higher, respectively, among participants with polyvascular PAD compared with PAD alone, whereas these differences were 8% for history of diabetes mellitus and 5% for ever being a smoker. Consistent with this observation, in our cohort, hypertension and dyslipidemia were more prevalent in patients with polyvascular disease at baseline in comparison with history of diabetes mellitus and smoking. Although diabetes mellitus and smoking are the strongest risk factors for PAD,<sup>1,2</sup> these factors may have a lesser impact on progression of atherosclerosis in PAD.

One of the main goals of management in patients with PAD is to reduce the risk of adverse cardiovascular outcomes; coexistent disease in other vascular beds present further challenges in treatment.<sup>2</sup> There is significant reduction of major adverse cardiovascular events (cardiovascular death, myocardial infarction, and stroke) by evolucumab, a PCSK9 (proprotein convertase subtilisin/kexin 9) inhibitor, in patients with PAD who are receiving medium to high intensity statin therapy at baseline.<sup>17</sup> Our results suggest that there may be benefit in targeting non-high-density lipoprotein cholesterol levels, which include not only LDL cholesterol but also all circulating atherogenic cholesterol, as well as targeting triglyceride-rich lipoproteins.

### Limitations

Our study should be interpreted in light of certain limitations. First, although robust genetic instruments were obtained using the largest available genome-wide association studies, the relatively modest size of the study cohort may have limited the statistical power to detect weaker associations. A multivariable MR analysis using significant lipid exposure associations was not pursued because of multicollinearity and weak instrument bias after conditioning in the multivariable setting. We defined polyvascular disease based on electronic health record-derived diagnostic or procedure codes and

**Table 3. Sensitivity Analyses for Significant Associations**

Comorbidity/ Lipid Fraction	Exposure	MR Method	Number of SNVs	Units	OR (95% CI)	P Value of OR	Q*	P Value of Q*	Q <sub>R</sub> <sup>†</sup>	EI	P Value of EI
Hypertension	Systolic blood pressure	IWW	443	10 mm Hg	1.31 (1.07–1.60)	0.008	452.12	0.359	0.998	N/A	N/A
	Systolic blood pressure	Weighted median	443	10 mm Hg	1.20 (0.89–1.64)	0.234	N/A	N/A	N/A	N/A	N/A
	Systolic blood pressure	MR Egger	443	10 mm Hg	1.59 (0.96–2.65)	0.074	451.44	0.355	0.998	-0.01	0.415
	Diastolic blood pressure	IWW	444	10 mm Hg	1.66 (1.19–2.33)	0.003	449.89	0.4	0.995	N/A	N/A
	Diastolic blood pressure	Weighted median	444	10 mm Hg	1.52 (0.90–2.57)	0.121	N/A	N/A	N/A	N/A	N/A
	Diastolic blood pressure	MR Egger	444	10 mm Hg	2.96 (1.31–6.72)	0.010	447.57	0.417	0.995	-0.01	0.131
	L.LDL	L.LDL.C—total cholesterol in large LDL	IWW	14	SD	1.33 (1.04–1.70)	0.025	10.83	0.625	0.979	N/A
	L.LDL.C—total cholesterol in large LDL	Weighted median	14	SD	1.16 (0.85–1.59)	0.343	N/A	N/A	N/A	N/A	N/A
	L.LDL.C—total cholesterol in large LDL	MR Egger	14	SD	1.24 (0.86–1.79)	0.271	10.6	0.563	0.979	0.01	0.641
	L.LDL.CE—cholesterol esters in large LDL	IWW	14	SD	1.35 (1.05–1.74)	0.021	14.06	0.369	0.942	N/A	N/A
	L.LDL.CE—cholesterol esters in large LDL	Weighted median	14	SD	1.17 (0.85–1.61)	0.342	N/A	N/A	N/A	N/A	N/A
	L.LDL.CE—cholesterol esters in large LDL	MR Egger	14	SD	1.19 (0.81–1.75)	0.396	13.25	0.351	0.942	0.03	0.406
	L.LDL.FC—free cholesterol in large LDL	IWW	11	SD	1.33 (1.04–1.71)	0.022	9.94	0.445	0.919	N/A	N/A
	L.LDL.FC—free cholesterol in large LDL	Weighted median	11	SD	1.16 (0.86–1.57)	0.336	N/A	N/A	N/A	N/A	N/A
	L.LDL.FC—free cholesterol in large LDL	MR Egger	11	SD	1.18 (0.81–1.70)	0.409	9.13	0.426	0.919	0.03	0.393
	L.LDL.L—total lipids in large LDL	IWW	15	SD	1.37 (1.07–1.75)	0.012	14.48	0.415	0.925	N/A	N/A
	L.LDL.L—Total lipids in large LDL	Weighted median	15	SD	1.17 (0.87–1.58)	0.305	N/A	N/A	N/A	N/A	N/A
	L.LDL.L—total lipids in large LDL	MR Egger	15	SD	1.18 (0.82–1.71)	0.388	13.39	0.418	0.925	0.03	0.323
	L.LDL.P—concentration of large LDL particles	IWW	14	SD	1.40 (1.09–1.80)	0.008	13.41	0.417	0.873	N/A	N/A
	L.LDL.P—concentration of large LDL particles	Weighted median	14	SD	1.18 (0.85–1.62)	0.326	N/A	N/A	N/A	N/A	N/A
	L.LDL.P—concentration of large LDL particles	MR Egger	14	SD	1.15 (0.79–1.69)	0.472	11.71	0.469	0.873	0.04	0.217
	L.LDL.PL—phospholipids in large LDL	IWW	13	SD	1.35 (1.05–1.75)	0.020	10.19	0.599	0.954	N/A	N/A
	L.LDL.PL—phospholipids in large LDL	Weighted median	13	SD	1.17 (0.85–1.62)	0.341	N/A	N/A	N/A	N/A	N/A
	L.LDL.PL—phospholipids in large LDL	MR Egger	13	SD	1.22 (0.82–1.81)	0.341	9.72	0.556	0.954	0.02	0.507
IDL	IDL.C—total cholesterol in IDL	IWW	13	SD	1.47 (1.10–1.95)	0.008	15.37	0.222	0.936	N/A	N/A
	IDL.C—total cholesterol in IDL	Weighted median	13	SD	1.19 (0.86–1.64)	0.30	N/A	N/A	N/A	N/A	N/A
	IDL.C—total cholesterol in IDL	MR Egger	13	SD	1.26 (0.80–1.98)	0.333	14.38	0.213	0.936	0.03	0.403
	IDL.FC—free cholesterol in IDL	IWW	12	SD	1.53 (1.18–1.99)	0.001	11.08	0.436	0.738	N/A	N/A
	IDL.FC—free cholesterol in IDL	Weighted median	12	SD	1.20 (0.85–1.69)	0.296	N/A	N/A	N/A	N/A	N/A
	IDL.FC—free cholesterol in IDL	MR Egger	12	SD	1.17 (0.78–1.75)	0.47	8.18	0.611	0.738	0.06	0.119
	IDL.L—total lipids in IDL	IWW	14	SD	1.48 (1.13–1.95)	0.005	15.14	0.298	0.969	N/A	N/A
	IDL.L—total lipids in IDL	Weighted median	14	SD	1.21 (0.85–1.73)	0.285	N/A	N/A	N/A	N/A	N/A
	IDL.L—total lipids in IDL	MR Egger	14	SD	1.32 (0.84–2.09)	0.254	14.67	0.26	0.969	0.02	0.547

(Continued)

**Table 3. Continued**

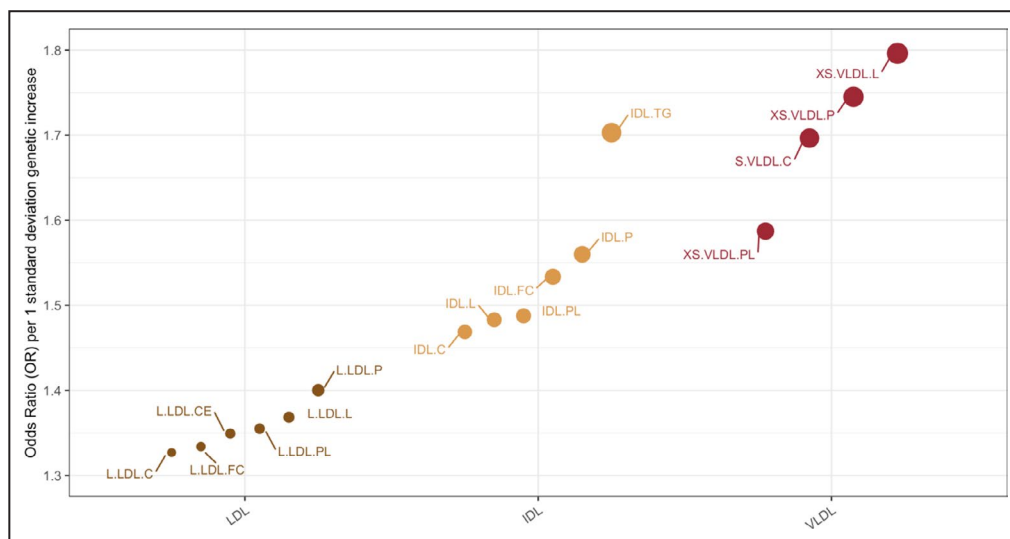
Comorbidity/ Lipid Fraction	Exposure	MR Method	Number of SNVs	Units	OR (95% CI)	P Value of OR	Q*	P Value of Q*	Q <sub>R</sub> <sup>†</sup>	EI	P Value of EI
XS.VLDL	IDL.P—concentration of IDL particles	IVW	13	SD	1.56 (1.20–2.03)	0.001	11.2	0.511	0.817	N/A	N/A
	IDL.P—concentration of IDL particles	Weighted median	13	SD	1.23 (0.85–1.77)	0.276	N/A	N/A	N/A	N/A	N/A
	IDL.P—concentration of IDL particles	MR Egger	13	SD	1.20 (0.76–1.87)	0.448	9.15	0.608	0.817	0.05	0.179
	IDL.PL—phospholipids in IDL	IVW	12	SD	1.49 (1.14–1.94)	0.004	8.62	0.657	0.887	N/A	N/A
	IDL.PL—phospholipids in IDL	Weighted median	12	SD	1.21 (0.86–1.7)	0.264	N/A	N/A	N/A	N/A	N/A
	IDL.PL—phospholipids in IDL	MR Egger	12	SD	1.25 (0.81–1.93)	0.327	7.65	0.663	0.887	0.04	0.347
	IDL.TG—triglycerides in IDL	IVW	11	SD	1.70 (1.13–2.56)	0.010	11.92	0.29	0.935	N/A	N/A
	IDL.TG—triglycerides in IDL	Weighted median	11	SD	1.45 (0.84–2.48)	0.180	N/A	N/A	N/A	N/A	N/A
	IDL.TG—triglycerides in IDL	MR Egger	11	SD	2.54 (0.87–7.35)	0.121	11.14	0.266	0.935	-0.05	0.446
	XS.VLDL.L—total lipids in very small VLDL	IVW	12	SD	1.80 (1.23–2.61)	0.002	13.04	0.291	0.993	N/A	N/A
	XS.VLDL.L—total lipids in very small VLDL	Weighted median	12	SD	1.72 (1.06–2.81)	0.029	N/A	N/A	N/A	N/A	N/A
	XS.VLDL.L—total lipids in very small VLDL	MR Egger	12	SD	2.09 (0.62–7.11)	0.263	12.95	0.226	0.993	-0.02	0.8
	XS.VLDL.P—concentration of very small VLDL particles	IVW	12	SD	1.75 (1.17–2.61)	0.007	14.44	0.209	0.990	N/A	N/A
XS.VLDL.P—concentration of very small VLDL particles	Weighted median	12	SD	1.48 (0.88–2.49)	0.141	N/A	N/A	N/A	N/A	N/A	
XS.VLDL.P—concentration of very small VLDL particles	MR Egger	12	SD	2.11 (0.61–7.32)	0.267	14.3	0.16	0.990	-0.02	0.758	
S.VLDL	XS.VLDL.PL—phospholipids in very small VLDL	IVW	13	SD	1.59 (1.19–2.11)	0.001	9.72	0.64	0.985	N/A	N/A
	XS.VLDL.PL—phospholipids in very small VLDL	Weighted median	13	SD	1.26 (0.85–1.84)	0.247	N/A	N/A	N/A	N/A	N/A
	XS.VLDL.PL—phospholipids in very small VLDL	MR Egger	13	SD	1.44 (0.82–2.52)	0.227	9.57	0.57	0.985	0.02	0.701
	S.VLDL.C—total cholesterol in small VLDL	IVW	10	SD	1.70 (1.10–2.62)	0.017	11.27	0.258	0.910	N/A	N/A
	S.VLDL.C—total cholesterol in small VLDL	Weighted median	10	SD	1.29 (0.73–2.28)	0.376	N/A	N/A	N/A	N/A	N/A
S.VLDL.C—total cholesterol in small VLDL	MR Egger	10	SD	1.04 (0.32–3.34)	0.948	10.26	0.247	0.910	0.06	0.401	

EI indicates Egger intercept; IDL, intermediate-density lipoprotein; IVW, inverse variance weighted; L.LDL, large low-density lipoprotein; LDL, low-density lipoprotein; MR, Mendelian randomization; N/A, Not applicable; OR, odds ratio; S.VLDL, small very low-density lipoprotein; SNVs, single-nucleotide variants; VLDL, very low-density lipoprotein; and XS.VLDL, very small very low-density lipoprotein.

\*Cochran Q statistic for heterogeneity.

<sup>†</sup>Q<sub>R</sub>: ratio of the statistical heterogeneity around the MR–Egger fitted slope, divided by the statistical heterogeneity around the IVW slope.





**Figure.** Lipid fractions significantly associated with polyvascular involvement in patients with peripheral artery disease.

Odds ratios per 1 SD increase in genetically determined levels of individual particle components of three lipoprotein subclasses; low-density lipoprotein (brown), intermediate-density lipoprotein (yellow), very low-density lipoprotein (red) in the ascending order of particle diameter. Size of the dots representing each measurement is proportional to the magnitude of odds ratios obtained from inverse-variance weighted mendelian randomization. .C indicates total cholesterol; .CE, cholesterol ester; .FC, free cholesterol; .L, total lipid; .P, particle concentration; .PL, phospholipid; .TG, triglycerides; IDL, Intermediate-density lipoprotein; L.LDL, large low-density lipoprotein; S.VLDL, small very low-density lipoprotein; and XS.VLDL, very small very low-density lipoprotein.

may have missed "subclinical" polyvascular disease in patients with PAD. Although we used previously validated electronic phenotyping algorithms to ascertain ASCVD phenotypes, some degree of misclassification may persist. Our study included participants of European-ancestry, which limits the generalizability of our findings to diverse ancestral/ethnic groups. Lastly, these findings need replication in additional studies.

## CONCLUSIONS

Lifetime exposure to increased lipid content and levels of very small and small VLDL, IDL, large LDL particles, and elevated BP are associated with polyvascular involvement in patients with PAD. Lowering triglyceride-rich lipoproteins and optimal BP control may limit progression of atherosclerosis in patients with PAD.

## ARTICLE INFORMATION

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### Disclosures

None.

### Supplementary Material

Data S1

Tables S1–S2

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# **SUPPLEMENTAL MATERIAL**

## Data S1.

### Supplemental Methods

Mendelian randomization (MR) has three critical assumptions: (1) the genetic variant being used as the instrument is strongly associated with the exposure; (2) the instrument is not associated with confounders; and (3) the instrument influences the outcome only through the exposure. The second and the third assumptions are collectively referred to as independence from horizontal pleiotropy – meaning genetic instruments influence the outcome only through the exposure (vertical pleiotropy), as opposed to other pathways (horizontal pleiotropy). The independence from horizontal pleiotropy cannot be fully empirically proven and requires judgement of the investigators and the use of sensitivity analyses with different underlying methodologies that make them more robust to the potential violations of these core assumptions.

Random-effects inverse variance weighted (IVW) was used as the primary method for MR analyses in the present study and significant associations underwent sensitivity analyses using two different robust MR methods namely, MR-Egger, and weighted median estimator. Random-effects IVW is an extension of the fixed-effect IVW method where the above mentioned second and third assumptions are relaxed conditional on the pleiotropic effects to have zero mean. Unbalanced (i.e., directional) horizontal pleiotropy occurs when the mean value of the pleiotropy distribution is non-zero, where MR-Egger corrects the causal estimate by introducing an intercept term in the regression (unlike IVW method which forces the slope line to pass through the origin). The estimated value for this intercept term in MR-Egger regression can be interpreted as an estimate of the average pleiotropic effects across the single nucleotide variants (SNVs) and an intercept term that significantly differs from zero indicates overall unbalanced pleiotropy. Weighted median estimator, defined as the median of the weighted empirical distribution function of ratio estimates, gives consistent estimates of the true causal effect if at least 50% of the weight contributed by genetic variants is valid (i.e. not pleiotropic). Robust methods are necessary to examine the results from different methods that make different assumptions but are more often used as sensitivity analyses complementary to the IVW method due to their lower power to detect associations.

In the present study, horizontal pleiotropy was assessed for each exposure-outcome association collectively by Cochran's Q heterogeneity test, the direction and effect size estimates of the associations from IVW method, weighted median estimator and MR-Egger regression, the magnitude and significance of the MR-Egger intercept term, visual assessment of the asymmetry of variant level associations around MR estimates in funnel plots, and  $Q_R$  (ratio of statistical heterogeneity around the MR-Egger slope divided by the statistical heterogeneity around the IVW slope) where values substantially lower than 1 indicate the IVW method is not a good fit for the data.

**Table S1. Major resources used to obtain genetic instruments .**

<b>Description</b>	<b>Source / Repository</b>	<b>Persistent ID / URL</b>
GWAS summary statistics for lipid subclasses <sup>8</sup>	GWAS catalog	<a href="ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/KettunenJ_27005778_GCST003664/">ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/KettunenJ_27005778_GCST003664/</a>
GWAS summary statistics for lipoprotein(a) <sup>11</sup>	Supplemental files from the original publication	<a href="https://www.nature.com/articles/s41467-018-04668-w">https://www.nature.com/articles/s41467-018-04668-w</a>
GWAS summary statistics for smoking related traits <sup>9</sup>	GWAS catalog	<a href="ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/LiuM_30643251_GCST007458/">ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/LiuM_30643251_GCST007458/</a> <a href="ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/LiuM_30643251_GCST007459/">ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/LiuM_30643251_GCST007459/</a> <a href="ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/LiuM_30643251_GCST007460/">ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/LiuM_30643251_GCST007460/</a> <a href="ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/LiuM_30643251_GCST007474/">ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/LiuM_30643251_GCST007474/</a>
GWAS summary statistics for blood pressure <sup>7</sup>	GWAS catalog	<a href="ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/EvangelouE_30224653_GCST006624/">ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/EvangelouE_30224653_GCST006624/</a> <a href="ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/EvangelouE_30224653_GCST006630/">ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/EvangelouE_30224653_GCST006630/</a>
GWAS summary statistics for glycated hemoglobin <sup>10</sup>	GWAS catalog	<a href="ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/WheelerE_28898252_GCST004903/">ftp://ftp.ebi.ac.uk/pub/databases/gwas/summary_statistics/WheelerE_28898252_GCST004903/</a>
Individual level participant data for PAD and Polyvascular disease	Mayo Vascular Disease Biorepository	Due IRB regulations this data is not publicly available.

GWAS – Genome-wide association study, PAD – Peripheral artery disease

**Table S2. Genetic instruments for all risk factor exposures.**

Exposure	rsID	Effect allele	Other allele	Effect allele frequency	Beta	Standard Error	P-value	R-squared	F-statistic
Systolic blood pressure	rs1000423	T	C	0.7316	0.4138	0.0346	6.501E-33	0.000191431	142.7999085
Systolic blood pressure	rs10008637	T	C	0.5405	0.2157	0.0302	9.241E-13	6.83754E-05	50.99906445
Systolic blood pressure	rs10028284	A	T	0.8184	0.2937	0.0398	1.691E-13	7.2847E-05	54.33457703
Systolic blood pressure	rs10048404	T	C	0.3701	-0.2607	0.0317	1.907E-16	9.07599E-05	67.69651819
Systolic blood pressure	rs1006545	T	G	0.8872	0.6846	0.048	3.497E-46	0.000272856	203.5567825
Systolic blood pressure	rs10069690	T	C	0.2582	0.3098	0.0369	4.473E-17	9.45937E-05	70.55637412
Systolic blood pressure	rs10091532	A	C	0.4168	-0.2067	0.0305	1.33E-11	6.13648E-05	45.76977376
Systolic blood pressure	rs1010064	A	C	0.8163	0.3571	0.0387	3.02E-20	0.000113924	84.97605707
Systolic blood pressure	rs10188003	T	C	0.393	0.1883	0.0307	8.799E-10	5.03776E-05	37.57443944
Systolic blood pressure	rs10207726	T	C	0.296	-0.2142	0.033	8.062E-11	5.66362E-05	42.24270932
Systolic blood pressure	rs10224210	T	C	0.7211	-0.3831	0.034	1.604E-29	0.000170644	127.2914575
Systolic blood pressure	rs10282122	T	C	0.6684	-0.302	0.0327	2.456E-20	0.000114472	85.3848106
Systolic blood pressure	rs10420519	T	G	0.0347	-0.4921	0.0887	2.856E-08	4.12992E-05	30.80297284
Systolic blood pressure	rs1043069	T	G	0.6156	0.234	0.0311	5.261E-14	7.59239E-05	56.62974427
Systolic blood pressure	rs1044822	T	C	0.1482	-0.248	0.0424	5.156E-09	4.57593E-05	34.12963592
Systolic blood pressure	rs10460108	A	G	0.4801	0.2141	0.0301	1.12E-12	6.78695E-05	50.62169699
Systolic blood pressure	rs10501410	A	G	0.0692	0.4122	0.0607	1.102E-11	6.18587E-05	46.13817742
Systolic blood pressure	rs1052501	T	C	0.8329	0.2262	0.0412	4.143E-08	4.03317E-05	30.08133333
Systolic blood pressure	rs10749572	T	G	0.5444	-0.203	0.0302	1.88E-11	6.0456E-05	45.09191466
Systolic blood pressure	rs10776752	T	G	0.0809	0.8211	0.0576	4.61E-46	0.000272119	203.0068172
Systolic blood pressure	rs10777213	A	G	0.5244	-0.1786	0.0299	2.452E-09	4.76993E-05	35.57672361
Systolic blood pressure	rs10779795	A	G	0.6613	0.2191	0.032	7.437E-12	6.28917E-05	46.90874822
Systolic blood pressure	rs10782230	A	G	0.4845	0.2106	0.0302	2.912E-12	6.53562E-05	48.74702456
Systolic blood pressure	rs10804330	T	C	0.5668	0.2351	0.0306	1.623E-14	7.90252E-05	58.9430755
Systolic blood pressure	rs10941043	T	G	0.7098	-0.2585	0.0332	6.415E-15	8.14743E-05	60.76994108
Systolic blood pressure	rs10980408	T	C	0.9641	-0.7606	0.0827	3.828E-20	0.000113295	84.50729401
Systolic blood pressure	rs11097909	T	C	0.1472	-0.3628	0.043	3.353E-17	9.5356E-05	71.12496751
Systolic blood pressure	rs11120093	T	C	0.4082	-0.1792	0.0307	5.129E-09	4.5773E-05	34.13985277
Systolic blood pressure	rs11145807	A	G	0.4057	0.2135	0.0322	3.537E-11	5.87972E-05	43.85459379
Systolic blood pressure	rs11159091	A	G	0.4615	0.1978	0.0303	6.792E-11	5.70857E-05	42.57797166
Systolic blood pressure	rs111866816	T	C	0.0709	0.3569	0.0597	2.288E-09	4.78801E-05	35.71157953

Systolic blood pressure	rs11191580	T	C	0.9176	1.0995	0.055	7.738E-89	0.000535128	399.3215329
Systolic blood pressure	rs11210029	A	G	0.6322	-0.203	0.0313	8.919E-11	5.63714E-05	42.04515278
Systolic blood pressure	rs11222084	A	T	0.6379	-0.3363	0.0316	1.803E-26	0.000151966	113.3561334
Systolic blood pressure	rs11241313	T	C	0.3112	-0.2071	0.0326	2.226E-10	5.39747E-05	40.25749245
Systolic blood pressure	rs112509803	C	G	0.1138	-0.2641	0.0477	3.179E-08	4.10205E-05	30.59507307
Systolic blood pressure	rs11252324	T	G	0.0771	-0.4164	0.0573	3.613E-13	7.08474E-05	52.84302196
Systolic blood pressure	rs112854918	C	G	0.9745	-0.5577	0.1004	2.774E-08	4.1375E-05	30.85950588
Systolic blood pressure	rs113086489	T	C	0.5525	0.3249	0.0307	3.803E-26	0.000149982	111.8763733
Systolic blood pressure	rs1133400	A	G	0.786	-0.2975	0.0376	2.528E-15	8.39324E-05	62.60352967
Systolic blood pressure	rs115262049	A	T	0.9132	0.5893	0.0552	1.294E-26	0.000152848	114.0138728
Systolic blood pressure	rs1154214	T	G	0.3963	-0.2031	0.0306	3.274E-11	5.9E-05	44.00582547
Systolic blood pressure	rs11592107	A	G	0.3096	0.3024	0.0326	1.547E-20	0.000115697	86.29883041
Systolic blood pressure	rs11604310	T	C	0.1655	-0.2778	0.0411	1.458E-11	6.11235E-05	45.58978444
Systolic blood pressure	rs11636952	T	C	0.3141	0.5313	0.0328	4.224E-59	0.000352231	262.7929871
Systolic blood pressure	rs11641374	A	C	0.5995	-0.1943	0.0309	3.26E-10	5.29757E-05	39.51229753
Systolic blood pressure	rs11655604	T	C	0.3579	-0.2033	0.0333	1.086E-09	4.98274E-05	37.16400462
Systolic blood pressure	rs11672660	T	C	0.1996	0.2212	0.0381	6.319E-09	4.52287E-05	33.73389555
Systolic blood pressure	rs1169078	C	G	0.6879	-0.1971	0.0327	1.677E-09	4.86917E-05	36.31693859
Systolic blood pressure	rs11694601	A	G	0.5968	-0.1909	0.0309	6.412E-10	5.12054E-05	38.19184002
Systolic blood pressure	rs117206641	T	C	0.1108	0.3154	0.0499	2.664E-10	5.35043E-05	39.90661107
Systolic blood pressure	rs117464403	A	G	0.0183	0.864	0.1199	5.795E-13	6.96036E-05	51.91520233
Systolic blood pressure	rs11874246	T	C	0.2963	0.2856	0.0328	3.225E-18	0.000101552	75.74663637
Systolic blood pressure	rs11925504	A	G	0.5721	-0.2901	0.0305	1.776E-21	0.000121436	90.58052348
Systolic blood pressure	rs11960210	T	C	0.6245	0.4727	0.0313	1.253E-51	0.000306309	228.5207303
Systolic blood pressure	rs11977526	A	G	0.4009	-0.3213	0.0312	6.622E-25	0.000142391	106.2130242
Systolic blood pressure	rs1199330	A	G	0.8824	-0.2654	0.047	1.654E-08	4.2721E-05	31.86345439
Systolic blood pressure	rs12042924	T	C	0.5284	-0.1807	0.0303	2.624E-09	4.75223E-05	35.44466588
Systolic blood pressure	rs12063372	A	G	0.3846	0.1989	0.0318	3.858E-10	5.25348E-05	39.18343294
Systolic blood pressure	rs1209384	A	G	0.3878	0.2558	0.0313	2.848E-16	8.96999E-05	66.90577065
Systolic blood pressure	rs12136922	A	G	0.4949	0.2027	0.0304	2.689E-11	5.95165E-05	44.39114964
Systolic blood pressure	rs12153395	A	G	0.1147	-0.3303	0.0486	1.069E-11	6.19385E-05	46.19774401
Systolic blood pressure	rs12255372	T	G	0.2883	0.2358	0.0335	1.938E-12	6.6427E-05	49.54574227
Systolic blood pressure	rs12258967	C	G	0.7047	0.6327	0.0337	1.083E-78	0.000472708	352.7209142

Systolic blood pressure	rs12264186	T	C	0.1871	0.2135	0.0387	3.584E-08	4.07086E-05	30.36244587
Systolic blood pressure	rs12426261	A	G	0.3792	0.3775	0.0309	2.314E-34	0.000200312	149.4262776
Systolic blood pressure	rs12446456	T	C	0.4274	-0.3003	0.0302	2.97E-23	0.000132292	98.67856164
Systolic blood pressure	rs12464602	A	G	0.6208	-0.2437	0.0315	1.016E-14	8.02609E-05	59.86484726
Systolic blood pressure	rs12509595	T	C	0.7077	-0.8367	0.0334	2.55E-138	0.000839642	626.7459964
Systolic blood pressure	rs12511987	T	G	0.8226	-0.2329	0.0399	5.393E-09	4.5642E-05	34.04218775
Systolic blood pressure	rs12528975	A	G	0.0489	0.4751	0.0747	1.983E-10	5.42775E-05	40.48333688
Systolic blood pressure	rs12596630	T	C	0.0903	0.4278	0.0547	5.011E-15	8.21262E-05	61.25622007
Systolic blood pressure	rs12627651	A	G	0.2872	0.3498	0.0341	1.024E-24	0.000141233	105.3492341
Systolic blood pressure	rs12637573	A	G	0.4718	-0.1731	0.0302	9.949E-09	4.40453E-05	32.85119297
Systolic blood pressure	rs12643599	A	G	0.6395	0.3134	0.0313	1.232E-23	0.000134628	100.4212371
Systolic blood pressure	rs12656497	T	C	0.4034	-0.6382	0.0307	7.14E-96	0.000578414	431.6411281
Systolic blood pressure	rs12661036	T	C	0.775	-0.2104	0.0374	1.82E-08	4.2472E-05	31.6777007
Systolic blood pressure	rs12668436	T	C	0.7541	-0.2151	0.035	7.883E-10	5.06651E-05	37.78887606
Systolic blood pressure	rs12693982	T	C	0.4024	0.2575	0.0309	7.491E-17	9.32302E-05	69.53922148
Systolic blood pressure	rs12694277	T	C	0.2946	-0.2018	0.0335	1.796E-09	4.85126E-05	36.1833334
Systolic blood pressure	rs12731646	T	C	0.409	-0.189	0.0307	7.212E-10	5.08978E-05	37.96243328
Systolic blood pressure	rs1275988	T	C	0.6112	-0.541	0.0308	4.42E-69	0.000413595	308.5944236
Systolic blood pressure	rs12883810	T	C	0.1462	-0.2382	0.0428	0.000000027	4.14454E-05	30.91197952
Systolic blood pressure	rs12885878	A	G	0.2337	-0.2291	0.0367	4.323E-10	5.22369E-05	38.96125828
Systolic blood pressure	rs12906962	T	C	0.676	-0.2653	0.0325	3.277E-16	8.93291E-05	66.62917487
Systolic blood pressure	rs1290784	T	C	0.4483	0.4124	0.0303	2.968E-42	0.000248733	185.5557959
Systolic blood pressure	rs1290933	A	C	0.6919	-0.2847	0.0327	3.172E-18	0.000101595	75.77935651
Systolic blood pressure	rs12926550	A	G	0.3156	-0.2548	0.0324	3.426E-15	8.31299E-05	62.0049215
Systolic blood pressure	rs1293969	T	C	0.7484	-0.1988	0.0347	1.034E-08	4.39448E-05	32.7762592
Systolic blood pressure	rs12985940	T	C	0.8408	0.4642	0.0434	1.079E-26	0.00015333	114.3741776
Systolic blood pressure	rs13016772	T	C	0.7651	0.2522	0.0355	1.227E-12	6.76294E-05	50.44262565
Systolic blood pressure	rs13091418	C	G	0.6659	-0.2234	0.0325	6.148E-12	6.33919E-05	47.28181349
Systolic blood pressure	rs13107261	A	G	0.3687	-0.1778	0.0314	1.567E-08	4.28617E-05	31.96841269
Systolic blood pressure	rs13107325	T	C	0.0739	-0.9086	0.0592	4.219E-53	0.000315358	235.2740775
Systolic blood pressure	rs13179413	T	C	0.2819	0.2238	0.0347	1.084E-10	5.586E-05	41.66375601
Systolic blood pressure	rs13204703	T	C	0.7511	0.1967	0.035	1.943E-08	4.23017E-05	31.55070322
Systolic blood pressure	rs13253358	T	C	0.2979	0.2127	0.033	1.128E-10	5.57558E-05	41.58596772



Systolic blood pressure	rs13289468	A	C	0.5743	0.2488	0.0306	3.933E-16	8.88469E-05	66.26948773
Systolic blood pressure	rs1332813	T	C	0.3514	0.2203	0.0314	2.317E-12	6.59572E-05	49.19534408
Systolic blood pressure	rs13358657	A	G	0.8668	-0.388	0.0445	2.95E-18	0.000101787	75.92262872
Systolic blood pressure	rs1340030	T	C	0.6345	0.1936	0.0312	5.774E-10	5.14796E-05	38.39635975
Systolic blood pressure	rs13412750	A	G	0.2708	-0.2889	0.0341	2.325E-17	9.63244E-05	71.8473972
Systolic blood pressure	rs13420463	A	G	0.7734	0.3143	0.036	2.715E-18	0.000102007	76.08655174
Systolic blood pressure	rs1375564	T	C	0.6395	0.2579	0.0315	2.844E-16	8.97036E-05	66.90854136
Systolic blood pressure	rs1382472	A	G	0.4041	-0.1917	0.0307	4.466E-10	5.21517E-05	38.89772838
Systolic blood pressure	rs139354822	T	C	0.9704	0.6115	0.0975	3.505E-10	5.2786E-05	39.37079614
Systolic blood pressure	rs1408945	T	G	0.4243	-0.3196	0.0304	8.332E-26	0.000147898	110.321501
Systolic blood pressure	rs1410222	T	C	0.8166	0.2173	0.0388	2.165E-08	4.20201E-05	31.34063943
Systolic blood pressure	rs1433121	T	C	0.6906	-0.228	0.0326	2.655E-12	6.55992E-05	48.92824326
Systolic blood pressure	rs1436138	A	G	0.6367	0.3119	0.0315	4.727E-23	0.000131058	97.75829198
Systolic blood pressure	rs1437649	A	G	0.2345	-0.2189	0.0357	8.573E-10	5.04457E-05	37.62519404
Systolic blood pressure	rs146550789	T	C	0.9583	-0.4824	0.0778	5.638E-10	5.15419E-05	38.44287647
Systolic blood pressure	rs148140538	T	C	0.0808	-0.3252	0.0562	7.391E-09	4.482E-05	33.4290939
Systolic blood pressure	rs148401029	A	C	0.0352	-0.4623	0.0848	4.968E-08	3.98597E-05	29.72923221
Systolic blood pressure	rs1493132	T	C	0.6603	-0.1766	0.0318	2.728E-08	4.14185E-05	30.89195712
Systolic blood pressure	rs149339216	T	C	0.9566	-0.6912	0.0779	6.934E-19	0.000105621	78.78245964
Systolic blood pressure	rs1551355	T	C	0.2334	0.2098	0.0356	3.886E-09	4.64971E-05	34.68001763
Systolic blood pressure	rs1565440	A	G	0.3752	0.1746	0.0311	1.935E-08	4.23124E-05	31.55871501
Systolic blood pressure	rs1575290	T	C	0.4733	0.1973	0.0301	5.586E-11	5.75984E-05	42.96037076
Systolic blood pressure	rs1623474	T	C	0.3303	0.3827	0.0321	7.662E-33	0.000190993	142.4735316
Systolic blood pressure	rs1624822	T	C	0.6195	-0.3362	0.0312	5.116E-27	0.000155314	115.85403
Systolic blood pressure	rs1630736	T	C	0.465	-0.1706	0.0309	3.516E-08	4.07584E-05	30.3996036
Systolic blood pressure	rs167479	T	G	0.4726	-0.5642	0.0327	7.209E-67	0.00039999	298.4389476
Systolic blood pressure	rs1694068	A	T	0.6139	0.2657	0.0311	1.184E-17	9.81097E-05	73.17914887
Systolic blood pressure	rs17010957	T	C	0.8537	-0.534	0.043	1.781E-35	0.000207142	154.5219475
Systolic blood pressure	rs17035181	T	G	0.8552	0.3074	0.0429	7.613E-13	6.88854E-05	51.37948385
Systolic blood pressure	rs17080102	C	G	0.0694	-0.8085	0.0594	3.522E-42	0.000248277	185.2153318
Systolic blood pressure	rs17245822	A	C	0.6267	-0.1899	0.0312	1.152E-09	4.96731E-05	37.04896013
Systolic blood pressure	rs17249754	A	G	0.1683	-0.8446	0.0403	1.25E-97	0.000589224	439.7129932
Systolic blood pressure	rs17257081	A	G	0.8065	0.2274	0.0392	6.351E-09	4.52155E-05	33.7240691

Systolic blood pressure	rs17562391	T	C	0.4186	0.1967	0.0306	1.349E-10	5.52869E-05	41.23621298
Systolic blood pressure	rs17608766	T	C	0.8555	-0.6903	0.0433	2.479E-57	0.00034136	254.6796236
Systolic blood pressure	rs17684859	T	C	0.7335	-0.2241	0.034	4.238E-11	5.83228E-05	43.50073585
Systolic blood pressure	rs17760259	T	C	0.5724	-0.2654	0.0304	2.253E-18	0.000102501	76.45489989
Systolic blood pressure	rs17762	A	G	0.0777	0.4117	0.0571	5.599E-13	6.96941E-05	51.98276258
Systolic blood pressure	rs17807723	A	G	0.138	-0.2721	0.0443	8.427E-10	5.04906E-05	37.65869972
Systolic blood pressure	rs17812022	T	C	0.0958	-0.3613	0.0525	5.645E-12	6.36162E-05	47.44912976
Systolic blood pressure	rs1801253	C	G	0.7338	0.4626	0.0344	2.841E-41	0.000242711	181.0623439
Systolic blood pressure	rs1814951	A	G	0.8785	-0.3231	0.0466	3.909E-12	6.45821E-05	48.16960992
Systolic blood pressure	rs1871190	T	G	0.3349	0.1954	0.0324	1.656E-09	4.87247E-05	36.34149834
Systolic blood pressure	rs1882212	A	G	0.7793	0.2753	0.0363	3.335E-14	7.71258E-05	57.52624185
Systolic blood pressure	rs1882961	T	C	0.3087	0.2443	0.0326	6.687E-14	7.52917E-05	56.15814521
Systolic blood pressure	rs1889785	A	G	0.4552	0.1782	0.0304	4.351E-09	4.62022E-05	34.46000719
Systolic blood pressure	rs189267552	A	T	0.0132	-0.8664	0.139	4.55E-10	5.2103E-05	38.86135292
Systolic blood pressure	rs1896326	A	G	0.2291	-0.2797	0.0371	4.405E-14	7.63921E-05	56.97895786
Systolic blood pressure	rs1906672	A	G	0.2319	0.2966	0.0358	1.204E-16	9.19756E-05	68.60334028
Systolic blood pressure	rs1957563	T	C	0.265	0.3629	0.0342	2.317E-26	0.000151299	112.8588132
Systolic blood pressure	rs1984195	A	G	0.4887	0.2409	0.0303	1.768E-15	8.48765E-05	63.30783139
Systolic blood pressure	rs1994158	A	G	0.8193	0.2513	0.0391	1.233E-10	5.55225E-05	41.4119711
Systolic blood pressure	rs2014408	T	C	0.2087	0.5169	0.0373	1.259E-43	0.000257159	191.8431291
Systolic blood pressure	rs2065498	T	G	0.1706	-0.2934	0.0403	3.359E-13	7.10394E-05	52.98620017
Systolic blood pressure	rs2111557	T	C	0.4675	0.1764	0.0302	5.221E-09	4.57266E-05	34.10525791
Systolic blood pressure	rs2113077	A	G	0.4303	0.2097	0.0305	6.094E-12	6.34151E-05	47.29910616
Systolic blood pressure	rs2126474	T	G	0.4125	-0.2601	0.0306	1.871E-17	9.68991E-05	72.2760968
Systolic blood pressure	rs2129869	A	T	0.7778	-0.2643	0.0361	2.443E-13	7.18779E-05	53.61170132
Systolic blood pressure	rs2161967	T	G	0.4279	0.2836	0.0307	2.868E-20	0.000114061	85.07816669
Systolic blood pressure	rs2177843	T	C	0.1505	0.4394	0.0432	2.797E-24	0.000138565	103.3583023
Systolic blood pressure	rs2236295	T	G	0.3978	-0.3028	0.0309	1.045E-22	0.000128953	96.18754956
Systolic blood pressure	rs2238787	A	G	0.292	0.2552	0.0332	1.451E-14	7.93207E-05	59.16350623
Systolic blood pressure	rs2249105	A	G	0.6321	0.2927	0.0313	7.634E-21	0.000117569	87.69570452
Systolic blood pressure	rs2289124	A	G	0.1673	-0.308	0.0415	1.135E-13	7.38974E-05	55.11811522
Systolic blood pressure	rs2291434	T	G	0.5335	-0.2622	0.0303	5.104E-18	0.000100336	74.84019174
Systolic blood pressure	rs2306363	T	G	0.2045	-0.4358	0.0376	5.243E-31	0.000179746	134.0818074

Systolic blood pressure	rs234623	A	G	0.5041	-0.1804	0.0302	2.426E-09	4.77272E-05	35.59748945
Systolic blood pressure	rs2353940	T	C	0.7507	-0.2075	0.0358	6.846E-09	4.50198E-05	33.57807684
Systolic blood pressure	rs2354862	A	C	0.6407	0.2507	0.0317	2.423E-15	8.40444E-05	62.68707957
Systolic blood pressure	rs2384063	T	C	0.7607	0.3266	0.0357	6.33E-20	0.000111962	83.5129483
Systolic blood pressure	rs2392929	T	G	0.7973	-0.7507	0.0379	1.958E-87	0.000526494	392.8758241
Systolic blood pressure	rs2423514	A	G	0.5411	0.3011	0.0302	1.767E-23	0.00013367	99.70695071
Systolic blood pressure	rs246973	T	C	0.2882	0.2479	0.0335	1.453E-13	7.32466E-05	54.6326697
Systolic blood pressure	rs2470004	T	C	0.8175	-0.3454	0.0392	1.282E-18	0.000103994	77.56847566
Systolic blood pressure	rs2493296	T	C	0.1425	0.4183	0.0442	3.137E-21	0.000119928	89.45495737
Systolic blood pressure	rs2498323	A	G	0.098	0.3171	0.0517	8.515E-10	5.04634E-05	37.63843561
Systolic blood pressure	rs2580350	A	G	0.5609	0.1769	0.0307	8.393E-09	4.44886E-05	33.18185677
Systolic blood pressure	rs2589218	T	C	0.7297	-0.2258	0.0339	2.543E-11	5.96631E-05	44.50044037
Systolic blood pressure	rs2598	A	G	0.533	0.168	0.0303	2.87E-08	4.12865E-05	30.79348361
Systolic blood pressure	rs2608029	C	G	0.6653	0.1805	0.032	1.609E-08	4.27928E-05	31.91703357
Systolic blood pressure	rs2610990	A	G	0.2641	-0.2903	0.0343	2.863E-17	9.57738E-05	71.43668025
Systolic blood pressure	rs2613203	A	T	0.8148	-0.2681	0.0389	5.81E-12	6.35405E-05	47.39265433
Systolic blood pressure	rs2627313	T	C	0.4454	0.3208	0.0303	3.552E-26	0.000150164	112.0117435
Systolic blood pressure	rs262986	A	G	0.4704	-0.2371	0.0305	7.666E-15	8.10041E-05	60.41923989
Systolic blood pressure	rs263532	T	C	0.5755	0.1798	0.0307	4.716E-09	4.5992E-05	34.30322349
Systolic blood pressure	rs2643826	T	C	0.4505	0.4473	0.0306	1.741E-48	0.000287001	214.1119337
Systolic blood pressure	rs2652812	T	C	0.7544	-0.2516	0.0353	1.027E-12	6.80975E-05	50.79183605
Systolic blood pressure	rs2689690	T	C	0.3678	-0.2702	0.0316	1.146E-17	9.8196E-05	73.2435338
Systolic blood pressure	rs2724377	A	G	0.5303	0.1938	0.0301	1.286E-10	5.54122E-05	41.32970069
Systolic blood pressure	rs2744139	T	C	0.7624	0.2369	0.0355	2.479E-11	5.973E-05	44.55034353
Systolic blood pressure	rs2745599	A	G	0.552	0.2164	0.0317	8.955E-12	6.24038E-05	46.5447468
Systolic blood pressure	rs2760748	A	T	0.0981	0.3626	0.0509	1.054E-12	6.80293E-05	50.7409022
Systolic blood pressure	rs2776037	T	C	0.4151	-0.1851	0.0309	2.146E-09	4.80475E-05	35.83640734
Systolic blood pressure	rs2815063	A	C	0.1315	0.2755	0.0458	1.763E-09	4.85611E-05	36.21947399
Systolic blood pressure	rs2833834	A	C	0.2765	0.2177	0.0338	1.217E-10	5.55567E-05	41.43750424
Systolic blood pressure	rs28365916	T	C	0.4145	-0.1713	0.0306	2.237E-08	4.19349E-05	31.27712475
Systolic blood pressure	rs28374392	T	C	0.6231	0.1924	0.0338	1.206E-08	4.35438E-05	32.47718607
Systolic blood pressure	rs28429256	A	G	0.3342	0.215	0.0325	3.888E-11	5.8549E-05	43.66941887
Systolic blood pressure	rs28572357	A	C	0.6023	-0.2733	0.0308	6.34E-19	0.000105858	78.95938614

Systolic blood pressure	rs28578714	T	C	0.6062	0.2066	0.0327	2.528E-10	5.36415E-05	40.00896466
Systolic blood pressure	rs28688791	T	C	0.8018	-0.3222	0.038	2.335E-17	9.63131E-05	71.8389283
Systolic blood pressure	rs28866311	T	G	0.5263	-0.2762	0.0302	5.453E-20	0.000112358	83.80777249
Systolic blood pressure	rs2904315	A	G	0.3131	-0.2081	0.0325	1.577E-10	5.48777E-05	40.93099658
Systolic blood pressure	rs2913920	T	C	0.765	0.2418	0.0359	1.623E-11	6.0842E-05	45.37979611
Systolic blood pressure	rs3098186	T	C	0.5156	-0.2422	0.0303	1.411E-15	8.54722E-05	63.75214283
Systolic blood pressure	rs33836	T	C	0.4622	0.1766	0.0304	6.557E-09	4.51323E-05	33.66197429
Systolic blood pressure	rs34025993	A	G	0.414	0.223	0.0308	4.707E-13	7.0151E-05	52.32353247
Systolic blood pressure	rs34072724	A	G	0.4889	-0.2422	0.0303	1.373E-15	8.55443E-05	63.80592524
Systolic blood pressure	rs34079867	T	C	0.266	0.1992	0.0354	1.781E-08	4.25284E-05	31.71976947
Systolic blood pressure	rs34130368	T	G	0.117	-0.3016	0.0497	1.279E-09	4.93998E-05	36.84505624
Systolic blood pressure	rs34413141	A	T	0.1822	-0.3531	0.0393	2.469E-19	0.000108356	80.82274292
Systolic blood pressure	rs34487963	A	C	0.0185	-0.8819	0.1244	1.35E-12	6.73781E-05	50.2551493
Systolic blood pressure	rs34496659	A	G	0.0702	0.4545	0.0616	1.543E-13	7.30883E-05	54.51456458
Systolic blood pressure	rs34535756	T	C	0.0394	0.478	0.0786	1.181E-09	4.96081E-05	37.0004828
Systolic blood pressure	rs34727427	T	C	0.6832	-0.2353	0.0324	4.017E-13	7.05683E-05	52.6348384
Systolic blood pressure	rs34941092	A	G	0.1498	-0.3225	0.0425	3.234E-14	7.72069E-05	57.58673044
Systolic blood pressure	rs35098810	A	C	0.7683	0.1967	0.0356	3.198E-08	4.1005E-05	30.58351174
Systolic blood pressure	rs35413927	A	G	0.6946	-0.3002	0.0328	5.25E-20	0.000112458	83.88277381
Systolic blood pressure	rs35444	A	G	0.6138	0.4368	0.031	3.467E-45	0.000266738	198.9913077
Systolic blood pressure	rs35680304	T	C	0.5929	0.2694	0.031	3.762E-18	0.000101144	75.44252375
Systolic blood pressure	rs35783704	A	G	0.1042	-0.4619	0.0507	8.814E-20	0.000111085	82.85855407
Systolic blood pressure	rs360153	T	C	0.4166	-0.3445	0.0306	1.733E-29	0.000170439	127.137939
Systolic blood pressure	rs365990	A	G	0.6342	0.225	0.0312	5.952E-13	6.95332E-05	51.86271454
Systolic blood pressure	rs3735533	T	C	0.0743	-0.91	0.0577	5.29E-56	0.000333191	248.5825699
Systolic blood pressure	rs3764400	T	C	0.8635	0.3748	0.0445	3.689E-17	9.51034E-05	70.93655031
Systolic blood pressure	rs3772219	A	C	0.6824	0.2733	0.0324	3.099E-17	9.55643E-05	71.28039402
Systolic blood pressure	rs3807925	A	G	0.6496	-0.1859	0.0319	5.389E-09	4.56439E-05	34.04363148
Systolic blood pressure	rs3815460	C	G	0.8976	-0.285	0.05	1.208E-08	4.35395E-05	32.47396589
Systolic blood pressure	rs3816865	A	G	0.0801	0.3092	0.0565	4.389E-08	4.01818E-05	29.96948144
Systolic blood pressure	rs3819532	T	C	0.3913	-0.1875	0.0306	9.436E-10	5.01949E-05	37.43811394
Systolic blood pressure	rs3860770	A	G	0.2916	-0.2663	0.0333	1.201E-15	8.58978E-05	64.06960827
Systolic blood pressure	rs3918226	T	C	0.0811	0.664	0.0575	8.461E-31	0.000178472	133.1316691

Systolic blood pressure	rs3950627	A	C	0.531	0.1851	0.0308	1.824E-09	4.84722E-05	36.15318632
Systolic blood pressure	rs3980686	T	G	0.1075	-0.4998	0.0487	1.027E-24	0.000141226	105.3434373
Systolic blood pressure	rs404100	T	C	0.4513	0.1935	0.0303	1.683E-10	5.47072E-05	40.80386385
Systolic blood pressure	rs4143175	T	C	0.2409	0.2187	0.0352	5.104E-10	5.18023E-05	38.63707998
Systolic blood pressure	rs42032	A	G	0.2641	-0.3231	0.0345	7.392E-21	0.000117655	87.75942114
Systolic blood pressure	rs4245599	A	G	0.4584	-0.1794	0.0305	4.035E-09	4.63989E-05	34.60677257
Systolic blood pressure	rs4260863	C	G	0.6163	0.1911	0.0314	1.171E-09	4.96304E-05	37.01706316
Systolic blood pressure	rs4286632	A	G	0.7306	0.211	0.0343	7.641E-10	5.07467E-05	37.84970338
Systolic blood pressure	rs4319878	T	C	0.5606	0.1694	0.0308	3.769E-08	4.05777E-05	30.26482189
Systolic blood pressure	rs4408839	A	G	0.7433	-0.2301	0.0345	2.425E-11	5.97878E-05	44.59346279
Systolic blood pressure	rs4440615	A	G	0.6321	-0.2201	0.0312	1.874E-12	6.65153E-05	49.61162496
Systolic blood pressure	rs4499560	A	T	0.3171	-0.2199	0.0326	1.463E-11	6.11145E-05	45.58307872
Systolic blood pressure	rs4511593	T	C	0.6528	-0.2881	0.0318	1.279E-19	0.000110099	82.12262673
Systolic blood pressure	rs4553000	T	C	0.5141	-0.2035	0.03	1.094E-11	6.18778E-05	46.15245224
Systolic blood pressure	rs4577304	T	C	0.5233	-0.1767	0.0302	4.987E-09	4.58462E-05	34.19448831
Systolic blood pressure	rs4606697	A	G	0.1041	-0.3196	0.0523	9.711E-10	5.01198E-05	37.38208633
Systolic blood pressure	rs4651224	T	C	0.4474	0.1986	0.0306	9E-11	5.63477E-05	42.02747388
Systolic blood pressure	rs4667454	A	G	0.6705	0.2636	0.0322	2.629E-16	8.99113E-05	67.06350828
Systolic blood pressure	rs4775769	T	G	0.0945	-0.4162	0.0517	7.757E-16	8.70524E-05	64.9309275
Systolic blood pressure	rs4784541	T	C	0.4748	-0.2015	0.0307	4.927E-11	5.79276E-05	43.20597469
Systolic blood pressure	rs483071	T	C	0.6248	0.2709	0.0313	5.093E-18	0.000100342	74.84445125
Systolic blood pressure	rs4838021	T	C	0.1289	-0.3009	0.0453	3.13E-11	5.9118E-05	44.09386761
Systolic blood pressure	rs4873492	T	C	0.1724	0.3431	0.0403	1.614E-17	9.729E-05	72.56768965
Systolic blood pressure	rs488834	T	C	0.7645	-0.3799	0.0365	2.354E-25	0.000145139	108.262813
Systolic blood pressure	rs4888408	A	G	0.5855	0.3653	0.0307	1.415E-32	0.00018936	141.25512
Systolic blood pressure	rs4908348	T	G	0.6944	0.2366	0.033	8.066E-13	6.87332E-05	51.26601518
Systolic blood pressure	rs4925159	A	G	0.4246	0.2174	0.0305	9.655E-13	6.826E-05	50.91304047
Systolic blood pressure	rs4926499	C	G	0.8263	0.2965	0.0438	1.333E-11	6.13589E-05	45.76536018
Systolic blood pressure	rs4932373	A	C	0.6742	-0.635	0.0328	2.49E-83	0.000501243	374.0233471
Systolic blood pressure	rs4948643	T	C	0.2819	0.2258	0.0338	2.397E-11	5.98183E-05	44.61620081
Systolic blood pressure	rs4952609	A	G	0.7439	0.2124	0.0347	9.604E-10	5.01487E-05	37.40369505
Systolic blood pressure	rs4955575	A	C	0.7461	0.2158	0.0348	5.631E-10	5.15452E-05	38.44530102
Systolic blood pressure	rs4957026	A	G	0.3399	0.1982	0.0323	8.119E-10	5.0588E-05	37.73133139

Systolic blood pressure	rs4961293	T	C	0.4513	0.2268	0.0303	7.353E-14	7.50415E-05	55.97147921
Systolic blood pressure	rs509833	A	G	0.1386	0.329	0.044	7.079E-14	7.51416E-05	56.04614147
Systolic blood pressure	rs55924432	T	C	0.401	0.2651	0.0317	5.695E-17	9.3955E-05	70.07991113
Systolic blood pressure	rs55944332	A	G	0.7632	-0.2613	0.0355	1.792E-13	7.26942E-05	54.22058168
Systolic blood pressure	rs56288724	A	G	0.5831	-0.2178	0.031	2.011E-12	6.63297E-05	49.47320229
Systolic blood pressure	rs56407827	T	C	0.2687	0.3603	0.034	2.781E-26	0.000150814	112.4968959
Systolic blood pressure	rs569550	T	G	0.6037	-0.5765	0.0318	1.327E-73	0.00044141	329.3568306
Systolic blood pressure	rs571689	T	C	0.5196	0.228	0.0304	6.765E-14	7.52611E-05	56.13534415
Systolic blood pressure	rs57342147	A	G	0.9026	0.2787	0.0508	4.174E-08	4.03123E-05	30.06687707
Systolic blood pressure	rs573455	A	G	0.461	0.1994	0.0303	4.772E-11	5.80115E-05	43.268518
Systolic blood pressure	rs5742643	T	C	0.2487	-0.2233	0.0349	1.525E-10	5.49655E-05	40.99652664
Systolic blood pressure	rs57786342	A	G	0.2059	0.2317	0.0374	5.626E-10	5.15475E-05	38.44703469
Systolic blood pressure	rs57946343	T	C	0.8527	0.716	0.0426	2.102E-63	0.000378686	282.5375319
Systolic blood pressure	rs59980837	T	G	0.0178	1.0997	0.1163	3.315E-21	0.000119781	89.34577138
Systolic blood pressure	rs60191654	A	G	0.8118	-0.2382	0.0385	5.875E-10	5.14342E-05	38.36251865
Systolic blood pressure	rs6026744	A	T	0.8771	-0.7131	0.0461	6.998E-54	0.000320153	238.852226
Systolic blood pressure	rs6029756	A	G	0.3225	-0.2712	0.033	1.884E-16	9.0792E-05	67.72044288
Systolic blood pressure	rs6031431	A	G	0.5376	-0.2617	0.0304	7.049E-18	9.94819E-05	74.20280689
Systolic blood pressure	rs604723	T	C	0.2756	-0.655	0.0339	2.546E-83	0.000501183	373.9789835
Systolic blood pressure	rs6054139	A	G	0.606	0.2094	0.0306	8.228E-12	6.26262E-05	46.71066499
Systolic blood pressure	rs6058088	T	G	0.8439	0.2832	0.0417	1.144E-11	6.17604E-05	46.06489614
Systolic blood pressure	rs6062324	A	G	0.2364	-0.3294	0.0363	1.184E-19	0.000110303	82.2751735
Systolic blood pressure	rs6078093	A	G	0.428	-0.1849	0.0304	1.195E-09	4.95773E-05	36.97750493
Systolic blood pressure	rs6090907	A	G	0.147	-0.3854	0.0425	1.286E-19	0.000110084	82.11183887
Systolic blood pressure	rs60909079	C	G	0.2492	-0.2114	0.0351	1.73E-09	4.86104E-05	36.2562984
Systolic blood pressure	rs60991988	T	G	0.8931	0.3789	0.0498	2.82E-14	7.75681E-05	57.85617741
Systolic blood pressure	rs6108787	T	G	0.5296	-0.4274	0.03	5.382E-46	0.000271706	202.6986573
Systolic blood pressure	rs61772592	A	G	0.8745	-0.3181	0.0455	2.862E-12	6.54018E-05	48.78099289
Systolic blood pressure	rs61917655	T	C	0.1014	0.3427	0.0514	2.68E-11	5.95253E-05	44.39771298
Systolic blood pressure	rs62047964	T	C	0.0622	0.5115	0.0686	9.294E-14	7.44241E-05	55.51094706
Systolic blood pressure	rs62076622	A	G	0.8013	0.2363	0.0377	3.785E-10	5.25848E-05	39.22073086
Systolic blood pressure	rs62082230	A	T	0.2773	-0.1884	0.0345	4.689E-08	4.00099E-05	29.84128449
Systolic blood pressure	rs62170470	T	C	0.6017	0.1972	0.0321	7.685E-10	5.07317E-05	37.83850169

Systolic blood pressure	rs62187653	T	C	0.9029	0.3286	0.0511	1.231E-10	5.55267E-05	41.41514455
Systolic blood pressure	rs62309747	A	G	0.4734	-0.2244	0.0304	1.593E-13	7.30043E-05	54.45189512
Systolic blood pressure	rs6271	T	C	0.0735	-0.5547	0.0611	1.183E-19	0.000110305	82.27684357
Systolic blood pressure	rs641620	T	C	0.8547	-0.3193	0.044	3.738E-13	7.07579E-05	52.77621852
Systolic blood pressure	rs6438857	T	C	0.5774	0.2736	0.0305	3.132E-19	0.000107726	80.35272172
Systolic blood pressure	rs6445583	A	G	0.7465	0.2774	0.0349	1.896E-15	8.4692E-05	63.17014971
Systolic blood pressure	rs6452769	A	G	0.2053	-0.3143	0.0377	7.821E-17	9.31162E-05	69.45419183
Systolic blood pressure	rs6490019	A	G	0.3796	-0.2897	0.0309	6.612E-21	0.000117951	87.97998941
Systolic blood pressure	rs6504213	T	C	0.4182	-0.2982	0.0312	1.248E-21	0.000122372	91.27864882
Systolic blood pressure	rs6539467	A	G	0.1661	0.265	0.0404	5.571E-11	5.76054E-05	42.96563124
Systolic blood pressure	rs6540119	A	T	0.334	0.2016	0.0322	3.929E-10	5.2487E-05	39.14782856
Systolic blood pressure	rs6562778	A	G	0.4589	0.178	0.0304	4.955E-09	4.5863E-05	34.20701557
Systolic blood pressure	rs658780	T	G	0.7447	-0.2028	0.0347	5.285E-09	4.56948E-05	34.08155013
Systolic blood pressure	rs665445	A	C	0.2794	-0.1909	0.0334	1.152E-08	4.36632E-05	32.56621469
Systolic blood pressure	rs6699618	C	G	0.8401	0.9115	0.041	1.68E-109	0.000662279	494.2672774
Systolic blood pressure	rs6731373	A	G	0.3492	0.1913	0.0326	4.182E-09	4.63056E-05	34.53711819
Systolic blood pressure	rs6732123	C	G	0.4174	-0.1737	0.0307	1.517E-08	4.29462E-05	32.03140788
Systolic blood pressure	rs6737318	A	G	0.7782	0.2348	0.0364	1.129E-10	5.57534E-05	41.58423532
Systolic blood pressure	rs67617547	C	G	0.6697	0.1799	0.0322	2.393E-08	4.17595E-05	31.14625979
Systolic blood pressure	rs6771917	T	C	0.2477	-0.3793	0.0355	1.389E-26	0.000152659	113.8733932
Systolic blood pressure	rs67885470	T	C	0.2094	-0.2087	0.038	4.124E-08	4.03437E-05	30.09024728
Systolic blood pressure	rs6788984	A	G	0.8563	0.2999	0.0432	3.806E-12	6.46523E-05	48.22197015
Systolic blood pressure	rs68085857	T	C	0.234	0.274	0.0357	1.678E-14	7.89373E-05	58.87750106
Systolic blood pressure	rs68096471	A	G	0.2659	-0.2098	0.0343	9.256E-10	5.02452E-05	37.47567893
Systolic blood pressure	rs68115553	A	G	0.9801	-0.6445	0.1143	1.737E-08	4.25935E-05	31.76835399
Systolic blood pressure	rs6870654	T	C	0.7454	0.2136	0.0347	7.581E-10	5.07673E-05	37.86508294
Systolic blood pressure	rs6892983	A	C	0.4022	0.3427	0.0307	7.113E-29	0.000166683	124.3357448
Systolic blood pressure	rs6921291	T	C	0.1907	0.3575	0.0385	1.575E-20	0.000115649	86.26335712
Systolic blood pressure	rs6957161	A	G	0.2618	0.2064	0.0345	2.197E-09	4.79861E-05	35.79064773
Systolic blood pressure	rs6961048	C	G	0.896	-0.5304	0.0497	1.43E-26	0.000152582	113.8157106
Systolic blood pressure	rs6978112	T	C	0.4112	0.2286	0.0309	1.336E-13	7.34678E-05	54.79765626
Systolic blood pressure	rs6986368	A	T	0.6726	-0.2132	0.0329	9.624E-11	5.61719E-05	41.89639317
Systolic blood pressure	rs698748	A	G	0.421	0.1871	0.0325	8.902E-09	4.43351E-05	33.0673743

Systolic blood pressure	rs699	A	G	0.5928	-0.3748	0.0308	5.589E-34	0.000197964	147.6742725
Systolic blood pressure	rs7012866	T	G	0.4991	-0.2325	0.0301	1.211E-14	7.97977E-05	59.51931026
Systolic blood pressure	rs702395	T	C	0.4369	0.2318	0.0305	3.239E-14	7.72028E-05	57.58369176
Systolic blood pressure	rs7026176	T	G	0.5118	-0.1869	0.0299	4.007E-10	5.24356E-05	39.10944892
Systolic blood pressure	rs7045409	A	T	0.3669	-0.1862	0.0313	2.545E-09	4.76021E-05	35.50420933
Systolic blood pressure	rs708117	A	G	0.5203	0.2874	0.0302	1.587E-21	0.000121735	90.80315643
Systolic blood pressure	rs7093894	A	C	0.1512	0.236	0.0427	3.161E-08	4.10353E-05	30.60608995
Systolic blood pressure	rs7107356	A	G	0.4959	-0.4598	0.0301	1.63E-52	0.000311751	232.582354
Systolic blood pressure	rs7125196	T	C	0.8817	0.4422	0.0472	7.306E-21	0.000117686	87.78256793
Systolic blood pressure	rs7134440	T	C	0.0822	0.4788	0.0562	1.579E-17	9.7348E-05	72.61095666
Systolic blood pressure	rs7134677	T	C	0.2978	-0.3851	0.0332	4.456E-31	0.000180179	134.4047212
Systolic blood pressure	rs71499040	C	G	0.7076	0.2215	0.0338	5.631E-11	5.75773E-05	42.94467374
Systolic blood pressure	rs7154723	A	G	0.385	0.253	0.0309	2.721E-16	8.98204E-05	66.99569992
Systolic blood pressure	rs7186298	T	C	0.4295	-0.2315	0.0302	1.882E-14	7.86347E-05	58.65175686
Systolic blood pressure	rs7189884	A	G	0.1146	-0.3138	0.0476	4.201E-11	5.83458E-05	43.51789554
Systolic blood pressure	rs7211535	A	G	0.4764	-0.1779	0.0304	4.612E-09	4.60502E-05	34.34662266
Systolic blood pressure	rs7213273	A	G	0.655	-0.4	0.0315	6.24E-37	0.000216069	161.1829921
Systolic blood pressure	rs7236548	A	C	0.1848	0.3431	0.0388	8.512E-19	0.000105078	78.37741055
Systolic blood pressure	rs7255933	A	G	0.2574	0.2306	0.0345	2.441E-11	5.97705E-05	44.58058732
Systolic blood pressure	rs72683923	T	C	0.9788	0.9587	0.1101	3.08E-18	0.000101673	75.83747429
Systolic blood pressure	rs72719160	A	T	0.6829	-0.2243	0.0324	4.337E-12	6.4309E-05	47.96588528
Systolic blood pressure	rs72742507	T	C	0.2999	-0.2053	0.0328	3.803E-10	5.25724E-05	39.21146764
Systolic blood pressure	rs7278003	T	C	0.4378	-0.1876	0.0304	6.628E-10	5.11187E-05	38.12719148
Systolic blood pressure	rs72842207	T	C	0.2144	-0.203	0.0367	3.142E-08	4.10509E-05	30.61778727
Systolic blood pressure	rs72847885	A	G	0.663	0.2413	0.0318	3.079E-14	7.73364E-05	57.68333771
Systolic blood pressure	rs73046792	A	G	0.1588	-0.3554	0.0426	7.234E-17	9.33225E-05	69.60807871
Systolic blood pressure	rs73049928	A	G	0.8061	-0.2382	0.0392	1.197E-09	4.9573E-05	36.9742444
Systolic blood pressure	rs7306710	T	C	0.481	-0.2429	0.0303	1.025E-15	8.63163E-05	64.38181186
Systolic blood pressure	rs73075659	A	G	0.6654	0.3962	0.0321	5.521E-35	0.000204128	152.2736513
Systolic blood pressure	rs7331680	T	G	0.1491	0.4101	0.0423	3.352E-22	0.00012586	93.88026269
Systolic blood pressure	rs73727605	A	G	0.0663	0.3616	0.0623	6.604E-09	4.51136E-05	33.6480809
Systolic blood pressure	rs73855810	A	G	0.1406	0.2732	0.0434	3.043E-10	5.3156E-05	39.64681876
Systolic blood pressure	rs7395791	A	G	0.4419	-0.2162	0.0308	2.193E-12	6.61019E-05	49.3032399



Systolic blood pressure	rs74048190	T	C	0.9522	-0.4404	0.0757	6.074E-09	4.53318E-05	33.81082329
Systolic blood pressure	rs743395	T	C	0.3834	0.2597	0.0317	2.55E-16	8.9992E-05	67.12365709
Systolic blood pressure	rs7439567	T	C	0.4106	0.2537	0.0309	2.306E-16	9.02578E-05	67.32194708
Systolic blood pressure	rs7491248	A	G	0.2239	0.2163	0.0362	2.375E-09	4.77827E-05	35.6388778
Systolic blood pressure	rs7493678	A	T	0.6514	-0.189	0.0316	2.308E-09	4.78574E-05	35.69462438
Systolic blood pressure	rs75016974	T	C	0.1423	-0.2513	0.0439	1.047E-08	4.39122E-05	32.75197259
Systolic blood pressure	rs7514579	A	C	0.7712	0.2243	0.0361	5.452E-10	5.16297E-05	38.50834735
Systolic blood pressure	rs75461554	T	C	0.2007	-0.3016	0.0377	1.178E-15	8.59488E-05	64.10770402
Systolic blood pressure	rs7555285	C	G	0.8011	0.2294	0.0376	1.054E-09	4.99056E-05	37.22232881
Systolic blood pressure	rs75672964	T	C	0.0418	0.5885	0.0839	2.348E-12	6.59223E-05	49.16927321
Systolic blood pressure	rs758180	A	T	0.2245	0.2084	0.0367	1.348E-08	4.32538E-05	32.2608822
Systolic blood pressure	rs75961402	A	G	0.1534	0.2659	0.0418	1.945E-10	5.43282E-05	40.52114246
Systolic blood pressure	rs7615099	A	G	0.6675	0.1891	0.0321	3.903E-09	4.64857E-05	34.67151998
Systolic blood pressure	rs7618284	C	G	0.3394	-0.1891	0.0331	1.101E-08	4.37812E-05	32.65422197
Systolic blood pressure	rs76443575	C	G	0.0359	-0.5233	0.0816	1.401E-10	5.51877E-05	41.16228394
Systolic blood pressure	rs76452347	T	C	0.205	-0.2974	0.0397	7.128E-14	7.51234E-05	56.03257945
Systolic blood pressure	rs76719272	T	C	0.1312	-0.2738	0.0461	2.97E-09	4.71989E-05	35.20342992
Systolic blood pressure	rs7683728	T	C	0.5312	-0.3654	0.0304	2.431E-33	0.00019405	144.7538079
Systolic blood pressure	rs7703560	A	G	0.7002	-0.2246	0.0333	1.512E-11	6.1028E-05	45.51855073
Systolic blood pressure	rs7725413	T	C	0.7699	-0.1985	0.0359	3.072E-08	4.11095E-05	30.66150272
Systolic blood pressure	rs77375686	A	G	0.8883	-0.3467	0.0485	8.378E-13	6.86334E-05	51.19151449
Systolic blood pressure	rs7744902	A	G	0.0766	-0.4088	0.0593	5.638E-12	6.36195E-05	47.45156208
Systolic blood pressure	rs7763558	A	G	0.3241	0.3363	0.0321	1.17E-25	0.000146996	109.6485425
Systolic blood pressure	rs7765526	A	G	0.4633	0.201	0.0307	5.881E-11	5.74634E-05	42.85969192
Systolic blood pressure	rs778124	A	G	0.3736	0.2965	0.0311	1.45E-21	0.000121974	90.98179585
Systolic blood pressure	rs77924615	A	G	0.1986	-0.4081	0.039	1.123E-25	0.000147105	109.7298146
Systolic blood pressure	rs7821832	T	G	0.7447	0.4222	0.0348	6.674E-34	0.000197491	147.3217929
Systolic blood pressure	rs7830607	A	G	0.3046	-0.206	0.0327	3.093E-10	5.31133E-05	39.61499044
Systolic blood pressure	rs7844887	A	G	0.2208	0.2662	0.0363	2.404E-13	7.19203E-05	53.6433175
Systolic blood pressure	rs78474310	A	G	0.9552	-0.4699	0.0734	1.512E-10	5.4988E-05	41.01325869
Systolic blood pressure	rs78648104	T	C	0.9075	-0.4287	0.0541	2.365E-15	8.41084E-05	62.73479802
Systolic blood pressure	rs786923	T	C	0.6239	-0.3082	0.031	2.825E-23	0.000132425	98.7776842
Systolic blood pressure	rs78998485	C	G	0.7443	-0.2449	0.0346	1.479E-12	6.7138E-05	50.07606606

Systolic blood pressure	rs79069610	T	C	0.95	-0.4005	0.0727	3.678E-08	4.06413E-05	30.31222743
Systolic blood pressure	rs7912283	A	G	0.6468	-0.2144	0.0322	2.938E-11	5.92841E-05	44.21778383
Systolic blood pressure	rs7926110	T	G	0.6733	0.2603	0.0321	5.711E-16	8.78614E-05	65.53434428
Systolic blood pressure	rs7926335	T	C	0.2691	0.3135	0.0339	2.515E-20	0.000114409	85.33787072
Systolic blood pressure	rs7927515	A	C	0.3459	0.2271	0.0319	1.047E-12	6.80468E-05	50.75398079
Systolic blood pressure	rs79384779	T	C	0.1512	0.3179	0.0428	1.077E-13	7.40357E-05	55.22121526
Systolic blood pressure	rs7944927	T	C	0.7819	0.2235	0.0392	1.232E-08	4.34883E-05	32.43573493
Systolic blood pressure	rs79539362	T	C	0.8992	0.4003	0.0504	2.087E-15	8.44385E-05	62.98109624
Systolic blood pressure	rs7963801	T	C	0.4221	-0.2362	0.0311	2.873E-14	7.7519E-05	57.81955067
Systolic blood pressure	rs79782817	T	G	0.1027	0.5324	0.0499	1.426E-26	0.000152589	113.8212649
Systolic blood pressure	rs79930761	T	C	0.0872	-0.4688	0.0559	4.899E-17	9.43531E-05	70.37690974
Systolic blood pressure	rs8003103	A	G	0.3447	-0.1755	0.0319	3.599E-08	4.06977E-05	30.35434444
Systolic blood pressure	rs8030856	C	G	0.6047	-0.1764	0.031	1.212E-08	4.35309E-05	32.46754152
Systolic blood pressure	rs8044992	T	C	0.7123	0.2138	0.0331	1.068E-10	5.5899E-05	41.69282882
Systolic blood pressure	rs8054587	T	C	0.5272	0.1665	0.0302	3.411E-08	4.08373E-05	30.45841779
Systolic blood pressure	rs8079811	C	G	0.3479	-0.2101	0.0325	1.026E-10	5.60042E-05	41.77127003
Systolic blood pressure	rs8106184	A	C	0.7449	-0.2371	0.0347	8.336E-12	6.25919E-05	46.68510995
Systolic blood pressure	rs8108027	C	G	0.2947	0.1948	0.033	3.674E-09	4.66436E-05	34.7892315
Systolic blood pressure	rs8125763	A	C	0.4717	0.1761	0.0301	4.843E-09	4.59226E-05	34.25150809
Systolic blood pressure	rs8142376	T	C	0.491	0.1676	0.03	2.195E-08	4.19842E-05	31.31392157
Systolic blood pressure	rs8180684	T	C	0.2896	0.2134	0.0335	1.8E-10	5.45311E-05	40.67252852
Systolic blood pressure	rs843093	A	G	0.7088	-0.2085	0.0338	6.95E-10	5.09946E-05	38.03463146
Systolic blood pressure	rs848445	T	C	0.2851	-0.2025	0.0339	2.284E-09	4.78847E-05	35.71498836
Systolic blood pressure	rs869396	A	C	0.4659	-0.2115	0.0305	4.124E-12	6.44414E-05	48.06462533
Systolic blood pressure	rs871004	A	G	0.3481	0.2336	0.0317	1.648E-13	7.29149E-05	54.38519266
Systolic blood pressure	rs8904	A	G	0.3678	0.3061	0.0314	1.713E-22	0.000127641	95.20911187
Systolic blood pressure	rs908951	T	C	0.4378	-0.2261	0.0315	7.135E-13	6.9056E-05	51.50678733
Systolic blood pressure	rs927315	T	C	0.4713	0.1689	0.0303	2.438E-08	4.1711E-05	31.11009625
Systolic blood pressure	rs9285476	C	G	0.7071	0.1844	0.0333	3.073E-08	4.11087E-05	30.66087122
Systolic blood pressure	rs9302885	A	G	0.4452	0.2242	0.0302	1.034E-13	7.4143E-05	55.30130349
Systolic blood pressure	rs9327297	C	G	0.6676	0.2747	0.0319	8.067E-18	9.9125E-05	73.93651908
Systolic blood pressure	rs9349379	A	G	0.593	0.2664	0.0312	1.307E-17	9.78482E-05	72.9840778
Systolic blood pressure	rs9361836	T	C	0.3172	0.2196	0.0324	1.248E-11	6.15319E-05	45.89443464

Systolic blood pressure	rs9368222	A	C	0.2688	0.2281	0.0339	1.837E-11	6.05168E-05	45.1372265
Systolic blood pressure	rs9401913	A	G	0.4387	0.5202	0.0305	3.656E-65	0.000389505	290.6129241
Systolic blood pressure	rs9486916	T	C	0.1979	0.2657	0.0385	5.419E-12	6.37236E-05	47.52922548
Systolic blood pressure	rs9507885	T	C	0.0953	-0.3208	0.0542	3.233E-09	4.69774E-05	35.03820127
Systolic blood pressure	rs9508495	T	C	0.7565	-0.3557	0.0353	6.343E-24	0.00013639	101.7362172
Systolic blood pressure	rs9526707	A	G	0.3216	-0.2039	0.0323	2.768E-10	5.3404E-05	39.83181055
Systolic blood pressure	rs9549627	A	G	0.1175	0.2846	0.05	1.249E-08	4.34526E-05	32.40910335
Systolic blood pressure	rs9848170	C	G	0.597	0.3231	0.0307	7.01E-26	0.000148357	110.6639867
Systolic blood pressure	rs9857362	A	C	0.5291	0.1727	0.0306	1.623E-08	4.27703E-05	31.90020531
Systolic blood pressure	rs9869437	A	C	0.3523	-0.2001	0.0318	3.223E-10	5.30055E-05	39.53458821
Systolic blood pressure	rs9876694	T	C	0.0584	0.4713	0.0651	4.643E-13	7.0187E-05	52.35041688
Systolic blood pressure	rs9880098	A	G	0.3946	0.3081	0.0308	1.593E-23	0.000133945	99.9122613
Systolic blood pressure	rs9886665	T	C	0.2671	0.2048	0.0343	2.472E-09	4.76781E-05	35.56089937
Systolic blood pressure	rs9897429	A	G	0.52	0.2645	0.0319	1.189E-16	9.20087E-05	68.62806323
Systolic blood pressure	rs9899540	A	T	0.3999	0.2011	0.0316	1.865E-10	5.44382E-05	40.60321034
Systolic blood pressure	rs9918876	A	C	0.1037	-0.2975	0.0498	2.284E-09	4.78847E-05	35.71498836
Diastolic blood pressure	rs10048404	T	C	0.3694	-0.1096	0.0183	2.005E-09	4.74751E-05	35.96882383
Diastolic blood pressure	rs10054208	T	C	0.3617	0.1187	0.0185	1.494E-10	5.41638E-05	41.03666545
Diastolic blood pressure	rs10062049	T	C	0.1359	0.2208	0.0255	4.496E-18	9.91067E-05	75.09060788
Diastolic blood pressure	rs1006545	T	G	0.8875	0.3633	0.0275	7.964E-40	0.000230191	174.4325181
Diastolic blood pressure	rs10069690	T	C	0.2581	0.1615	0.021	1.418E-14	7.81471E-05	59.20877637
Diastolic blood pressure	rs10087280	A	G	0.8317	0.1381	0.0232	2.538E-09	4.6869E-05	35.50957431
Diastolic blood pressure	rs10164193	T	G	0.9223	-0.2196	0.0327	1.869E-11	5.95311E-05	45.10340656
Diastolic blood pressure	rs1035673	T	C	0.3968	0.1625	0.0176	2.995E-20	0.000112174	84.99249317
Diastolic blood pressure	rs1039897	A	G	0.6503	-0.1085	0.0183	3.264E-09	4.62223E-05	35.01961918
Diastolic blood pressure	rs10424224	T	C	0.3584	0.1042	0.0182	1.048E-08	4.3227E-05	32.75011691
Diastolic blood pressure	rs1044608	C	G	0.9233	-0.2018	0.0339	2.763E-09	4.66506E-05	35.34413037
Diastolic blood pressure	rs1044822	T	C	0.1488	-0.1334	0.0243	4.135E-08	3.97095E-05	30.08508157
Diastolic blood pressure	rs10490923	A	G	0.1257	0.1533	0.0262	5.021E-09	4.51159E-05	34.181266
Diastolic blood pressure	rs10491713	T	G	0.1977	-0.1219	0.0217	2.046E-08	4.15115E-05	31.45040435
Diastolic blood pressure	rs10493408	A	C	0.1331	0.1584	0.0255	5.092E-10	5.10028E-05	38.64167429
Diastolic blood pressure	rs10500932	A	G	0.0743	0.2784	0.0333	5.792E-17	9.24501E-05	70.04659582
Diastolic blood pressure	rs10759697	A	G	0.4906	0.1308	0.0173	3.935E-14	7.54971E-05	57.20085537

Diastolic blood pressure	rs10776752	T	G	0.0805	0.4573	0.033	1.247E-43	0.000253186	191.8621849
Diastolic blood pressure	rs10804330	T	C	0.5671	0.1331	0.0176	4.602E-14	7.50907E-05	56.89291861
Diastolic blood pressure	rs10832586	A	C	0.7984	-0.3083	0.0216	2.533E-46	0.000269461	204.1986665
Diastolic blood pressure	rs10838702	T	G	0.3875	0.2375	0.0178	1.265E-40	0.000235019	178.0917052
Diastolic blood pressure	rs10839259	T	C	0.7629	0.145	0.0206	2.075E-12	6.52172E-05	49.41174144
Diastolic blood pressure	rs10873612	T	C	0.5961	-0.1096	0.0179	9.506E-10	4.93953E-05	37.42369875
Diastolic blood pressure	rs10941043	T	G	0.7094	-0.1269	0.019	2.524E-11	5.87547E-05	44.51512296
Diastolic blood pressure	rs10980408	T	C	0.9642	-0.3745	0.0477	4.167E-15	8.13285E-05	61.61936595
Diastolic blood pressure	rs11021221	A	T	0.1668	-0.1877	0.0233	6.931E-16	8.59917E-05	65.15279706
Diastolic blood pressure	rs11070245	T	G	0.4679	-0.1287	0.0174	1.571E-13	7.19052E-05	54.47922364
Diastolic blood pressure	rs11077961	A	G	0.6324	0.1073	0.0186	8.549E-09	4.37495E-05	33.14604694
Diastolic blood pressure	rs11108209	T	C	0.9068	-0.1901	0.03	2.4E-10	5.29414E-05	40.11046353
Diastolic blood pressure	rs11112548	A	T	0.9556	0.2742	0.0443	5.802E-10	5.06666E-05	38.38691904
Diastolic blood pressure	rs11124595	T	G	0.2604	0.1113	0.0199	2.359E-08	4.11468E-05	31.17403806
Diastolic blood pressure	rs11130602	A	G	0.4427	0.1467	0.0175	4.266E-17	9.32462E-05	70.64985065
Diastolic blood pressure	rs11141731	T	C	0.228	-0.1258	0.0207	1.308E-09	4.85739E-05	36.80134471
Diastolic blood pressure	rs1114347	A	G	0.5177	-0.1792	0.0173	3.32E-25	0.000141983	107.5813182
Diastolic blood pressure	rs11145807	A	G	0.4058	0.155	0.0184	4.104E-17	9.3347E-05	70.7262278
Diastolic blood pressure	rs11153730	T	C	0.5094	0.1551	0.0173	2.568E-19	0.000106569	80.74505381
Diastolic blood pressure	rs11228613	T	G	0.7837	0.1741	0.0212	2.095E-16	8.9104E-05	67.51114016
Diastolic blood pressure	rs112393817	C	G	0.7826	0.116	0.0211	3.799E-08	3.99264E-05	30.2494447
Diastolic blood pressure	rs11252324	T	G	0.077	-0.2339	0.0328	1.029E-12	6.70336E-05	50.78801748
Diastolic blood pressure	rs1133400	A	G	0.7852	-0.1318	0.0215	8.304E-10	4.97433E-05	37.68738131
Diastolic blood pressure	rs114503346	T	C	0.0461	-0.2678	0.0426	3.095E-10	5.22858E-05	39.61372805
Diastolic blood pressure	rs114714860	C	G	0.1683	0.33	0.0236	1.42E-44	0.00025889	196.1854636
Diastolic blood pressure	rs115447786	T	C	0.0427	0.2904	0.0455	1.747E-10	5.37603E-05	40.73093005
Diastolic blood pressure	rs11556924	T	C	0.3827	-0.181	0.0181	1.831E-23	0.000131499	99.63648601
Diastolic blood pressure	rs11578696	A	G	0.8658	0.1459	0.0258	1.65E-08	4.20629E-05	31.86815749
Diastolic blood pressure	rs11592107	A	G	0.3094	0.1203	0.0187	1.234E-10	5.4657E-05	41.41038631
Diastolic blood pressure	rs116063464	A	G	0.0601	0.2017	0.0369	4.679E-08	3.93932E-05	29.84542368
Diastolic blood pressure	rs11636952	T	C	0.3131	0.3997	0.0189	5.21E-99	0.000588427	446.0542066
Diastolic blood pressure	rs11661473	A	G	0.2683	0.2007	0.0196	1.544E-24	0.000137964	104.5355269
Diastolic blood pressure	rs11665020	C	G	0.322	-0.1423	0.0187	2.777E-14	7.64019E-05	57.88640313

Diastolic blood pressure	rs11687089	T	C	0.5829	0.1739	0.0175	2.785E-23	0.000130403	98.80592484
Diastolic blood pressure	rs11692619	T	C	0.3607	-0.1281	0.0184	3.314E-12	6.40052E-05	48.49341383
Diastolic blood pressure	rs11721984	T	C	0.4532	-0.1409	0.0177	1.886E-15	8.33888E-05	63.18056612
Diastolic blood pressure	rs11745207	C	G	0.7421	0.1132	0.0199	1.288E-08	4.2698E-05	32.34935432
Diastolic blood pressure	rs1177764	C	G	0.4051	-0.3067	0.0177	1.415E-67	0.000398053	301.6846032
Diastolic blood pressure	rs11778153	T	C	0.6431	0.1192	0.0182	5.842E-11	5.6587E-05	42.87270824
Diastolic blood pressure	rs1178979	T	C	0.8047	0.1504	0.0221	9.958E-12	6.11589E-05	46.33672282
Diastolic blood pressure	rs11859505	A	G	0.4195	-0.1037	0.0181	9.756E-09	4.34106E-05	32.88927519
Diastolic blood pressure	rs11923343	A	G	0.3604	-0.1138	0.0181	3.101E-10	5.22808E-05	39.60994576
Diastolic blood pressure	rs11923667	A	T	0.4071	0.1175	0.0177	3.098E-11	5.82253E-05	44.11398271
Diastolic blood pressure	rs11945489	T	C	0.2909	-0.1392	0.0192	3.993E-13	6.94866E-05	52.64660766
Diastolic blood pressure	rs11960210	T	C	0.6249	0.2474	0.018	3.363E-43	0.000250582	189.8882354
Diastolic blood pressure	rs11961593	T	C	0.0685	-0.3158	0.0349	1.493E-19	0.000107983	81.81685314
Diastolic blood pressure	rs1212061	C	G	0.7324	0.1281	0.0197	7.908E-11	5.58053E-05	42.28042829
Diastolic blood pressure	rs12152463	T	C	0.4251	0.1006	0.0174	8.015E-09	4.39151E-05	33.27146844
Diastolic blood pressure	rs1215469	A	C	0.2295	-0.1383	0.0211	5.233E-11	5.68713E-05	43.08808406
Diastolic blood pressure	rs12229480	T	C	0.7225	0.1359	0.0193	2.114E-12	6.5169E-05	49.37521223
Diastolic blood pressure	rs12247028	A	G	0.6322	-0.1396	0.0188	1.184E-13	7.26387E-05	55.03504141
Diastolic blood pressure	rs12258967	C	G	0.7042	0.354	0.0193	3.272E-75	0.000444286	336.7401709
Diastolic blood pressure	rs12337056	T	C	0.1761	0.1364	0.0228	2.175E-09	4.72659E-05	35.81025532
Diastolic blood pressure	rs12405515	T	G	0.5702	-0.1698	0.0174	1.916E-22	0.000125364	94.98740961
Diastolic blood pressure	rs12414028	A	T	0.0881	-0.5141	0.0313	1.603E-60	0.000355354	269.3116468
Diastolic blood pressure	rs1243876	T	C	0.7012	-0.1063	0.019	2.142E-08	4.1394E-05	31.36137549
Diastolic blood pressure	rs12444212	T	C	0.8174	0.1291	0.0226	1.062E-08	4.31929E-05	32.72432209
Diastolic blood pressure	rs12446456	T	C	0.4273	-0.181	0.0175	3.985E-25	0.000141505	107.2194822
Diastolic blood pressure	rs12503341	A	G	0.0394	-0.2993	0.0462	9.43E-11	5.5351E-05	41.93621168
Diastolic blood pressure	rs12509595	T	C	0.7076	-0.4972	0.0192	1.58E-148	0.000888444	673.6830376
Diastolic blood pressure	rs12515541	T	G	0.6072	0.1156	0.0177	6.229E-11	5.64214E-05	42.74723085
Diastolic blood pressure	rs12574332	T	C	0.1227	0.2072	0.0266	6.141E-15	8.03208E-05	60.85587388
Diastolic blood pressure	rs12596630	T	C	0.0905	0.2606	0.0314	1.03E-16	9.09517E-05	68.91116602
Diastolic blood pressure	rs12627514	C	G	0.7103	-0.2164	0.0196	1.986E-28	0.000161403	122.2984412
Diastolic blood pressure	rs1263671	T	C	0.8368	-0.1394	0.0238	4.691E-09	4.52905E-05	34.31356784
Diastolic blood pressure	rs1265157	C	G	0.6479	0.1444	0.0187	1.176E-14	7.86331E-05	59.57702638

Diastolic blood pressure	rs1265842	T	C	0.4834	0.1113	0.0174	1.703E-10	5.38261E-05	40.78077797
Diastolic blood pressure	rs12693302	A	G	0.6518	-0.2378	0.0181	2.155E-39	0.000227579	172.452915
Diastolic blood pressure	rs12699415	A	G	0.4127	0.1236	0.0177	3.304E-12	6.40131E-05	48.49934034
Diastolic blood pressure	rs12728150	A	G	0.919	-0.2045	0.0318	1.28E-10	5.45626E-05	41.33884222
Diastolic blood pressure	rs1275988	T	C	0.6111	-0.2945	0.0177	1.918E-62	0.000366987	278.1311827
Diastolic blood pressure	rs12790943	T	C	0.4213	-0.1002	0.0175	1.135E-08	4.30224E-05	32.59510922
Diastolic blood pressure	rs12866098	A	G	0.3423	0.1033	0.0186	2.727E-08	4.07754E-05	30.89266865
Diastolic blood pressure	rs12906962	T	C	0.6767	-0.2378	0.0188	8.725E-37	0.000211831	160.5166601
Diastolic blood pressure	rs12919839	T	C	0.2841	-0.1098	0.0192	1.044E-08	4.32368E-05	32.75755028
Diastolic blood pressure	rs12929303	A	G	0.5325	0.1572	0.0174	1.575E-19	0.000107844	81.71118021
Diastolic blood pressure	rs12990959	T	C	0.6875	-0.1271	0.0187	1.107E-11	6.08851E-05	46.12930823
Diastolic blood pressure	rs13004222	C	G	0.949	0.2944	0.0393	7.113E-14	7.39607E-05	56.03672116
Diastolic blood pressure	rs13021015	A	C	0.1596	0.1516	0.0239	2.287E-10	5.30657E-05	40.20467754
Diastolic blood pressure	rs13042148	T	C	0.1537	-0.1674	0.0244	7.24E-12	6.19833E-05	46.96136322
Diastolic blood pressure	rs13107325	T	C	0.0742	-0.6747	0.0339	3.721E-88	0.000522679	396.188502
Diastolic blood pressure	rs13118687	A	G	0.4702	-0.1496	0.0175	1.366E-17	9.62117E-05	72.89693712
Diastolic blood pressure	rs13124515	T	C	0.3131	-0.1052	0.0187	1.984E-08	4.15904E-05	31.51015457
Diastolic blood pressure	rs13139571	A	C	0.2366	-0.2408	0.0203	2.292E-32	0.000185152	140.2972404
Diastolic blood pressure	rs13152154	T	C	0.7293	-0.1186	0.0195	1.226E-09	4.87405E-05	36.92757012
Diastolic blood pressure	rs13215166	A	G	0.5585	-0.3094	0.0174	1.791E-70	0.000415596	314.9859542
Diastolic blood pressure	rs1322639	A	G	0.7766	-0.1584	0.0209	3.873E-14	7.55383E-05	57.23209003
Diastolic blood pressure	rs13237249	T	C	0.398	0.1366	0.0177	1.025E-14	7.899E-05	59.84748977
Diastolic blood pressure	rs1327235	A	G	0.5286	-0.3018	0.0173	4.764E-68	0.000400915	303.8547361
Diastolic blood pressure	rs1332812	A	T	0.6469	-0.1145	0.0181	2.708E-10	5.26301E-05	39.87461405
Diastolic blood pressure	rs13355146	T	C	0.3832	0.1224	0.0178	6.392E-12	6.23055E-05	47.20552543
Diastolic blood pressure	rs13358657	A	G	0.8668	-0.224	0.0255	1.696E-18	0.000101647	77.01575036
Diastolic blood pressure	rs134041	T	C	0.436	0.1223	0.0175	3.051E-12	6.42193E-05	48.6555736
Diastolic blood pressure	rs1353532	A	T	0.6023	-0.1265	0.0178	1.063E-12	6.69494E-05	50.724214
Diastolic blood pressure	rs1373780	C	G	0.1845	0.1246	0.0224	2.582E-08	4.09154E-05	30.99870988
Diastolic blood pressure	rs138420351	T	C	0.016	0.5568	0.0854	7.111E-11	5.60796E-05	42.48819822
Diastolic blood pressure	rs1401494	T	C	0.4728	-0.1384	0.0174	1.809E-15	8.34972E-05	63.26267352
Diastolic blood pressure	rs142449193	T	C	0.046	-0.2573	0.0426	1.506E-09	4.82113E-05	36.52656155
Diastolic blood pressure	rs1425486	T	C	0.3207	-0.1331	0.0187	1.107E-12	6.68444E-05	50.64461084

Diastolic blood pressure	rs1433121	T	C	0.6906	-0.1352	0.0188	6.907E-13	6.80664E-05	51.57054783
Diastolic blood pressure	rs1436138	A	G	0.6367	0.1991	0.0182	7.327E-28	0.000157986	119.7086177
Diastolic blood pressure	rs1449596	C	G	0.3545	-0.1085	0.0181	1.918E-09	4.75892E-05	36.05526353
Diastolic blood pressure	rs1467049	T	G	0.8051	0.1244	0.0219	1.35E-08	4.25774E-05	32.25800151
Diastolic blood pressure	rs1468816	A	C	0.7723	0.1242	0.0212	4.649E-09	4.53136E-05	34.33107127
Diastolic blood pressure	rs147081004	A	C	0.8556	0.1411	0.0257	4.087E-08	3.97394E-05	30.10772472
Diastolic blood pressure	rs147501096	C	G	0.072	-0.1955	0.0341	9.936E-09	4.33637E-05	32.85373475
Diastolic blood pressure	rs148401029	A	C	0.0352	-0.3122	0.0486	1.321E-10	5.44813E-05	41.27721153
Diastolic blood pressure	rs1502358	A	G	0.6813	-0.1127	0.0185	1.13E-09	4.89504E-05	37.08655821
Diastolic blood pressure	rs150816167	T	C	0.9549	-0.2873	0.0446	1.17E-10	5.47945E-05	41.51449832
Diastolic blood pressure	rs1527797	T	C	0.7395	-0.1409	0.0197	8.679E-13	6.74747E-05	51.12222632
Diastolic blood pressure	rs1534338	A	G	0.6029	-0.1144	0.0178	1.236E-10	5.46529E-05	41.40722059
Diastolic blood pressure	rs1582931	A	G	0.4748	0.2161	0.0175	4.505E-35	0.000201488	152.6777767
Diastolic blood pressure	rs1623474	T	C	0.33	0.2234	0.0184	6.238E-34	0.000194598	147.4560137
Diastolic blood pressure	rs1669907	T	G	0.3032	0.1158	0.0191	1.356E-09	4.84812E-05	36.73108377
Diastolic blood pressure	rs167479	T	G	0.4722	-0.362	0.0188	1.674E-82	0.00048844	370.2224704
Diastolic blood pressure	rs16853198	A	G	0.9238	0.3386	0.0327	4.437E-25	0.000141224	107.0065523
Diastolic blood pressure	rs1687295	T	C	0.2704	0.2061	0.0194	2.992E-26	0.000148278	112.3519006
Diastolic blood pressure	rs16875357	T	G	0.7569	-0.1205	0.0203	2.695E-09	4.67147E-05	35.39266426
Diastolic blood pressure	rs16896276	A	T	0.2625	-0.1309	0.0198	3.815E-11	5.76875E-05	43.70651328
Diastolic blood pressure	rs17321041	T	C	0.0633	0.2313	0.0363	1.781E-10	5.37106E-05	40.69326457
Diastolic blood pressure	rs17396055	A	G	0.3324	-0.115	0.0184	4.134E-10	5.15398E-05	39.04853136
Diastolic blood pressure	rs17432462	T	C	0.6234	-0.1036	0.0179	7.309E-09	4.41517E-05	33.4507922
Diastolic blood pressure	rs17454517	A	G	0.4936	0.1216	0.0174	2.652E-12	6.45821E-05	48.93046079
Diastolic blood pressure	rs17677603	A	G	0.6163	-0.2	0.0178	3.9E-29	0.000165665	125.5282417
Diastolic blood pressure	rs17807723	A	G	0.1377	-0.1757	0.0257	7.441E-12	6.19124E-05	46.9076944
Diastolic blood pressure	rs17832905	A	C	0.0717	0.1923	0.0346	2.805E-08	4.07032E-05	30.83793922
Diastolic blood pressure	rs17880989	A	G	0.0259	0.4014	0.0591	1.114E-11	6.08688E-05	46.11695849
Diastolic blood pressure	rs1790123	T	C	0.8032	0.1991	0.0218	6.87E-20	0.000110008	83.35111631
Diastolic blood pressure	rs1819663	A	G	0.5071	0.1147	0.0174	4.625E-11	5.71902E-05	43.32974114
Diastolic blood pressure	rs1848510	A	G	0.3623	0.1256	0.0181	4.102E-12	6.34532E-05	48.07511322
Diastolic blood pressure	rs1867624	T	C	0.6147	0.1412	0.0178	2.083E-15	8.31306E-05	62.98487495
Diastolic blood pressure	rs1871190	T	G	0.3344	0.1078	0.0186	6.63E-09	4.4402E-05	33.64043768

Diastolic blood pressure	rs1876490	A	G	0.7167	0.1364	0.0192	1.157E-12	6.67299E-05	50.55790882
Diastolic blood pressure	rs1882961	T	C	0.3088	0.1272	0.0188	1.398E-11	6.02817E-05	45.67209809
Diastolic blood pressure	rs1889785	A	G	0.4551	0.1255	0.0174	5.613E-13	6.8604E-05	51.97785894
Diastolic blood pressure	rs1903752	T	C	0.5386	-0.0987	0.0178	3.198E-08	4.03674E-05	30.58351174
Diastolic blood pressure	rs1906672	A	G	0.2324	0.1402	0.0205	8.475E-12	6.15759E-05	46.65270302
Diastolic blood pressure	rs194742	T	C	0.169	0.1281	0.0232	3.173E-08	4.03875E-05	30.59873841
Diastolic blood pressure	rs1950500	T	C	0.2919	0.1396	0.019	2.203E-13	7.10284E-05	53.81486172
Diastolic blood pressure	rs1984195	A	G	0.4883	0.1736	0.0173	1.427E-23	0.00013215	100.1302132
Diastolic blood pressure	rs198851	T	G	0.1496	0.3889	0.0244	2.926E-57	0.000335618	254.3493492
Diastolic blood pressure	rs2009733	A	G	0.4995	0.1217	0.0176	5.101E-12	6.28892E-05	47.64777879
Diastolic blood pressure	rs2067831	C	G	0.2723	-0.128	0.0195	5.077E-11	5.69494E-05	43.14729652
Diastolic blood pressure	rs2070527	A	C	0.2492	-0.1473	0.0202	3.083E-13	7.0157E-05	53.1546167
Diastolic blood pressure	rs2133386	A	C	0.4327	-0.1322	0.0176	5.214E-14	7.47667E-05	56.64739047
Diastolic blood pressure	rs2146315	T	C	0.2318	-0.1197	0.0205	5.026E-09	4.51133E-05	34.17932911
Diastolic blood pressure	rs2160236	C	G	0.3792	-0.1421	0.0181	4.309E-15	8.12414E-05	61.55338602
Diastolic blood pressure	rs2169137	C	G	0.7287	0.1588	0.0194	3.167E-16	8.80289E-05	66.69648067
Diastolic blood pressure	rs2191046	T	G	0.7354	0.1184	0.0197	1.775E-09	4.77885E-05	36.20625417
Diastolic blood pressure	rs2236295	T	G	0.3992	-0.207	0.0177	1.419E-31	0.000180375	136.6767947
Diastolic blood pressure	rs2239268	A	G	0.7005	0.1097	0.019	7.398E-09	4.41207E-05	33.42725279
Diastolic blood pressure	rs2239917	T	C	0.4252	0.1731	0.0176	9.686E-23	0.000127146	96.33785985
Diastolic blood pressure	rs2271139	A	C	0.286	-0.1247	0.0192	8.227E-11	5.57033E-05	42.20308823
Diastolic blood pressure	rs2273654	T	C	0.5608	0.1165	0.0175	2.754E-11	5.85294E-05	44.3443906
Diastolic blood pressure	rs227426	T	G	0.5619	0.1119	0.0175	1.745E-10	5.37632E-05	40.73316846
Diastolic blood pressure	rs2306363	T	G	0.2048	-0.2643	0.0216	1.625E-34	0.000198124	150.1285888
Diastolic blood pressure	rs2307111	T	C	0.6034	-0.1742	0.0178	1.615E-22	0.00012581	95.32573468
Diastolic blood pressure	rs234623	A	G	0.5041	-0.1191	0.0174	8.563E-12	6.15492E-05	46.63246025
Diastolic blood pressure	rs2376997	A	C	0.2489	-0.1389	0.0218	1.942E-10	5.34874E-05	40.52415853
Diastolic blood pressure	rs2397060	T	C	0.8595	-0.161	0.0251	1.461E-10	5.42214E-05	41.08032053
Diastolic blood pressure	rs2421200	T	G	0.4882	-0.1097	0.0173	2.587E-10	5.27479E-05	39.96390041
Diastolic blood pressure	rs2442618	T	C	0.5723	-0.1315	0.0177	1.213E-13	7.2576E-05	54.98748088
Diastolic blood pressure	rs2444769	A	C	0.7949	0.158	0.0219	4.846E-13	6.89847E-05	52.26638134
Diastolic blood pressure	rs2469141	T	C	0.8372	0.1351	0.0238	1.391E-08	4.25007E-05	32.19987087
Diastolic blood pressure	rs2484294	A	G	0.7327	0.3165	0.0196	1.171E-58	0.000344076	260.7613686



Diastolic blood pressure	rs2487926	A	G	0.5705	0.0972	0.0176	3.313E-08	4.02769E-05	30.514971
Diastolic blood pressure	rs2493296	T	C	0.1419	0.2496	0.0254	7.45E-23	0.000127832	96.85752123
Diastolic blood pressure	rs2548459	T	C	0.4805	-0.132	0.0176	5.946E-14	7.44257E-05	56.3890692
Diastolic blood pressure	rs2569882	T	C	0.5658	0.1199	0.0182	4.28E-11	5.73904E-05	43.48143808
Diastolic blood pressure	rs2586970	A	G	0.4361	-0.1493	0.0175	1.563E-17	9.58609E-05	72.6310564
Diastolic blood pressure	rs2589218	T	C	0.7302	-0.1207	0.0196	6.896E-10	5.02217E-05	38.04985036
Diastolic blood pressure	rs2598	A	G	0.5326	0.1387	0.0175	1.935E-15	8.33222E-05	63.13004427
Diastolic blood pressure	rs2627313	T	C	0.4457	0.151	0.0175	5.855E-18	9.84186E-05	74.56918535
Diastolic blood pressure	rs2643826	T	C	0.4508	0.1857	0.0175	2.833E-26	0.000148421	112.4601656
Diastolic blood pressure	rs2681485	A	G	0.5976	0.2945	0.0176	1.313E-62	0.000367983	278.8864268
Diastolic blood pressure	rs2744133	A	G	0.7251	0.1435	0.0193	1.17E-13	7.26696E-05	55.05842047
Diastolic blood pressure	rs28377357	A	G	0.2938	-0.1243	0.019	6.027E-11	5.65065E-05	42.81171966
Diastolic blood pressure	rs28429256	A	G	0.3344	0.1636	0.0188	2.833E-18	0.00010031	76.00254066
Diastolic blood pressure	rs28544928	T	G	0.7465	0.1543	0.0199	9.131E-15	7.92903E-05	60.07501731
Diastolic blood pressure	rs2854746	C	G	0.3997	0.113	0.018	3.257E-10	5.21543E-05	39.51409542
Diastolic blood pressure	rs28570096	T	C	0.3094	0.1396	0.0188	1.149E-13	7.27166E-05	55.0940192
Diastolic blood pressure	rs28661492	T	C	0.2022	-0.1359	0.0222	9.561E-10	4.93805E-05	37.4124469
Diastolic blood pressure	rs28667801	A	T	0.593	-0.1622	0.018	1.903E-19	0.00010735	81.33730745
Diastolic blood pressure	rs28675079	A	G	0.1867	-0.1444	0.0222	8.342E-11	5.56674E-05	42.17594114
Diastolic blood pressure	rs2906152	A	G	0.6304	-0.1873	0.0181	5.548E-25	0.00014064	106.563707
Diastolic blood pressure	rs2921604	T	C	0.5367	-0.096	0.0176	4.456E-08	3.95182E-05	29.94010532
Diastolic blood pressure	rs2925345	T	C	0.4676	0.189	0.0174	1.595E-27	0.000155949	118.1655964
Diastolic blood pressure	rs2957468	A	G	0.3354	0.1377	0.0185	8.432E-14	7.35194E-05	55.70229003
Diastolic blood pressure	rs2978098	A	C	0.5465	0.1548	0.0176	1.325E-18	0.000102291	77.50331348
Diastolic blood pressure	rs3006583	T	C	0.8114	-0.1303	0.0222	4.657E-09	4.53092E-05	34.3277251
Diastolic blood pressure	rs310597	A	G	0.6305	-0.1152	0.0181	2.179E-10	5.31905E-05	40.29918373
Diastolic blood pressure	rs311564	A	G	0.3461	-0.133	0.0183	4.234E-13	6.93347E-05	52.5315113
Diastolic blood pressure	rs3117736	T	C	0.2661	0.2374	0.0196	9.706E-34	0.000193439	146.5777398
Diastolic blood pressure	rs335170	A	C	0.4077	0.113	0.0177	1.607E-10	5.39757E-05	40.89416778
Diastolic blood pressure	rs34130368	T	G	0.1172	-0.2027	0.0284	8.772E-13	6.74471E-05	51.10130399
Diastolic blood pressure	rs342977	A	G	0.7715	-0.1577	0.0205	1.674E-14	7.77161E-05	58.88219708
Diastolic blood pressure	rs34487963	A	C	0.0185	-0.5734	0.0712	8.179E-16	8.55611E-05	64.82654181
Diastolic blood pressure	rs34517439	A	C	0.1199	-0.2514	0.0279	2.024E-19	0.00010719	81.21548321

Diastolic blood pressure	rs34645159	A	G	0.5013	-0.133	0.0174	2.072E-14	7.71622E-05	58.46252784
Diastolic blood pressure	rs347585	T	C	0.7014	0.1506	0.0189	1.567E-15	8.38705E-05	63.54556505
Diastolic blood pressure	rs35091929	T	C	0.3968	0.1828	0.0177	6.461E-25	0.000140242	106.2618
Diastolic blood pressure	rs35213536	T	G	0.2467	0.2044	0.0205	2.542E-23	0.000130641	98.98672529
Diastolic blood pressure	rs35261542	A	C	0.2679	0.1196	0.0195	9.288E-10	4.9455E-05	37.46894755
Diastolic blood pressure	rs35413927	A	G	0.6951	-0.1274	0.0189	1.768E-11	5.96747E-05	45.21220293
Diastolic blood pressure	rs35443	C	G	0.3858	-0.2661	0.0178	1.196E-50	0.000295621	224.0283587
Diastolic blood pressure	rs35506078	T	C	0.6634	-0.1348	0.0183	1.536E-13	7.19636E-05	54.52350009
Diastolic blood pressure	rs35927325	T	C	0.0614	0.2221	0.0364	1.01E-09	4.92393E-05	37.3054877
Diastolic blood pressure	rs35981664	A	T	0.6881	-0.1606	0.0189	2.012E-17	9.52032E-05	72.13271858
Diastolic blood pressure	rs360153	T	C	0.4172	-0.2198	0.0175	4.369E-36	0.000207606	157.31471
Diastolic blood pressure	rs36169093	A	G	0.5037	0.1231	0.0179	5.563E-12	6.26649E-05	47.47781389
Diastolic blood pressure	rs3735533	T	C	0.0742	-0.487	0.0331	6.322E-49	0.0002852	216.1286622
Diastolic blood pressure	rs3743111	A	G	0.613	0.1517	0.0178	1.618E-17	9.57708E-05	72.56280473
Diastolic blood pressure	rs3743369	A	G	0.6278	0.104	0.0179	6.819E-09	4.43299E-05	33.58576332
Diastolic blood pressure	rs3772219	A	C	0.6807	0.1754	0.0185	2.938E-21	0.000118234	89.58461538
Diastolic blood pressure	rs3774702	A	G	0.1768	0.147	0.0228	1.175E-10	5.47835E-05	41.50616167
Diastolic blood pressure	rs3776299	A	G	0.4559	0.1266	0.0175	5.064E-13	6.88707E-05	52.1799718
Diastolic blood pressure	rs3785837	A	G	0.7635	0.1453	0.0213	9.568E-12	6.12622E-05	46.41500492
Diastolic blood pressure	rs3798293	A	G	0.7835	-0.1328	0.021	2.695E-10	5.26425E-05	39.88401322
Diastolic blood pressure	rs3802230	A	C	0.5446	-0.1605	0.0174	2.752E-20	0.000112395	85.15980293
Diastolic blood pressure	rs3807101	T	C	0.123	-0.1743	0.0265	4.57E-11	5.72211E-05	43.35314983
Diastolic blood pressure	rs3861113	A	C	0.0825	0.2126	0.0322	3.949E-11	5.75983E-05	43.63895295
Diastolic blood pressure	rs387865	T	C	0.3062	-0.1059	0.0191	3.166E-08	4.03931E-05	30.60302342
Diastolic blood pressure	rs3916033	T	C	0.5565	-0.1233	0.0185	2.415E-11	5.88688E-05	44.6015532
Diastolic blood pressure	rs3918226	T	C	0.0813	0.6117	0.0329	5.307E-77	0.000455125	344.9592855
Diastolic blood pressure	rs3943093	T	C	0.3234	0.2477	0.0184	3.945E-41	0.000238076	180.4093324
Diastolic blood pressure	rs4074812	A	G	0.5535	-0.1336	0.0175	2.07E-14	7.71647E-05	58.46442782
Diastolic blood pressure	rs4077158	T	C	0.4714	-0.1832	0.0173	3.089E-26	0.000148194	112.2886435
Diastolic blood pressure	rs4141663	T	C	0.4216	-0.1496	0.0175	1.407E-17	9.61347E-05	72.83857145
Diastolic blood pressure	rs4244200	C	G	0.2799	-0.1215	0.0193	3.233E-10	5.21733E-05	39.52853854
Diastolic blood pressure	rs4245930	A	G	0.6322	-0.1219	0.018	1.137E-11	6.0816E-05	46.07692076
Diastolic blood pressure	rs4306343	A	T	0.2788	-0.317	0.0193	8.217E-61	0.000357111	270.6432639

Diastolic blood pressure	rs4362428	A	C	0.4087	-0.1127	0.0176	1.452E-10	5.42374E-05	41.09239783
Diastolic blood pressure	rs440454	A	G	0.316	-0.2602	0.0192	7.523E-42	0.000242425	183.7055582
Diastolic blood pressure	rs4424827	T	C	0.5669	-0.0981	0.0175	2.111E-08	4.14314E-05	31.38967979
Diastolic blood pressure	rs4507125	A	C	0.7864	-0.1244	0.0211	3.603E-09	4.59684E-05	34.82722357
Diastolic blood pressure	rs4507656	C	G	0.6934	-0.1487	0.0199	8.689E-14	7.34415E-05	55.64326742
Diastolic blood pressure	rs45474499	T	C	0.0473	0.3562	0.0415	8.5E-18	9.74475E-05	73.83331148
Diastolic blood pressure	rs4556017	T	C	0.8524	-0.1601	0.0247	9.665E-11	5.52875E-05	41.88808082
Diastolic blood pressure	rs4615669	A	G	0.5597	-0.114	0.0174	6.095E-11	5.64776E-05	42.7897721
Diastolic blood pressure	rs4645335	A	G	0.336	0.1142	0.0185	7.036E-10	5.017E-05	38.01063667
Diastolic blood pressure	rs4651224	T	C	0.4469	0.1102	0.0175	3.388E-10	5.20527E-05	39.43709138
Diastolic blood pressure	rs4675682	T	C	0.5378	-0.1409	0.0173	4.489E-16	8.71214E-05	66.00886233
Diastolic blood pressure	rs4704514	T	C	0.2833	0.1087	0.0193	1.713E-08	4.19668E-05	31.79537687
Diastolic blood pressure	rs4743021	T	C	0.6853	-0.108	0.0194	2.413E-08	4.10888E-05	31.13010372
Diastolic blood pressure	rs4873492	T	C	0.1725	0.1401	0.0231	1.282E-09	4.86256E-05	36.84048858
Diastolic blood pressure	rs488834	T	C	0.7641	-0.1931	0.0208	1.941E-20	0.000113306	85.85015694
Diastolic blood pressure	rs4890499	A	G	0.2548	0.1131	0.0199	1.328E-08	4.26196E-05	32.28992689
Diastolic blood pressure	rs4891258	A	G	0.6826	-0.1159	0.0187	5.717E-10	5.07046E-05	38.41572078
Diastolic blood pressure	rs4903064	T	C	0.7645	0.1543	0.0206	7.843E-14	7.37072E-05	55.84464703
Diastolic blood pressure	rs4909314	A	T	0.3948	0.1339	0.0177	3.412E-14	7.58673E-05	57.48134564
Diastolic blood pressure	rs4926499	C	G	0.826	0.1694	0.0248	9.373E-12	6.13154E-05	46.45535193
Diastolic blood pressure	rs4926901	A	G	0.3548	0.0984	0.018	4.819E-08	3.93178E-05	29.78826548
Diastolic blood pressure	rs4926923	T	C	0.9117	0.1918	0.0308	4.749E-10	5.11825E-05	38.77779295
Diastolic blood pressure	rs4932373	A	C	0.6743	-0.3664	0.0189	7.709E-84	0.000496536	376.3621051
Diastolic blood pressure	rs4936099	A	C	0.5989	0.1745	0.0178	1.163E-22	0.000126668	95.97573841
Diastolic blood pressure	rs4948643	T	C	0.282	0.1591	0.0194	2.263E-16	8.89033E-05	67.35905738
Diastolic blood pressure	rs4952668	A	G	0.6237	-0.192	0.018	1.129E-26	0.000150828	114.2843549
Diastolic blood pressure	rs4954192	T	C	0.3872	-0.1225	0.0179	8.146E-12	6.16783E-05	46.73029311
Diastolic blood pressure	rs504217	T	C	0.0736	0.2745	0.0335	2.506E-16	8.86379E-05	67.15797122
Diastolic blood pressure	rs504691	A	C	0.4002	-0.1177	0.0177	3.138E-11	5.81921E-05	44.08887099
Diastolic blood pressure	rs507666	A	G	0.1872	-0.2854	0.0223	2.267E-37	0.000215365	163.195776
Diastolic blood pressure	rs509067	T	C	0.4137	-0.1436	0.0175	2.648E-16	8.84945E-05	67.04931192
Diastolic blood pressure	rs521033	A	G	0.8636	-0.1802	0.0253	1.097E-12	6.68679E-05	50.66242086
Diastolic blood pressure	rs544012	T	G	0.2661	0.1143	0.0201	1.375E-08	4.25304E-05	32.2223492

Diastolic blood pressure	rs55684003	A	G	0.6959	0.122	0.0189	1.014E-10	5.51637E-05	41.79427283
Diastolic blood pressure	rs55770741	T	C	0.5613	-0.1281	0.0175	2.202E-13	7.10296E-05	53.81575376
Diastolic blood pressure	rs55857306	A	G	0.1602	-0.5224	0.0235	5.05E-109	0.000649092	492.070525
Diastolic blood pressure	rs55868524	A	G	0.6111	0.1443	0.0178	5.543E-16	8.65729E-05	65.5931888
Diastolic blood pressure	rs55938136	A	G	0.7751	0.1408	0.0225	4.213E-10	5.1491E-05	39.0115759
Diastolic blood pressure	rs55944332	A	G	0.7632	-0.2365	0.0204	3.27E-31	0.000178188	135.0191485
Diastolic blood pressure	rs55993676	T	G	0.2916	-0.2097	0.0191	3.819E-28	0.000159691	121.0012044
Diastolic blood pressure	rs56256111	A	G	0.1442	0.1926	0.0263	2.599E-13	7.05998E-05	53.49009443
Diastolic blood pressure	rs56345595	A	G	0.5848	0.1329	0.0177	5.196E-14	7.47756E-05	56.65419077
Diastolic blood pressure	rs569550	T	G	0.6046	-0.2688	0.0181	1.225E-49	0.00028951	219.3959822
Diastolic blood pressure	rs5753630	A	G	0.5618	0.107	0.0175	8.758E-10	4.96063E-05	37.58354949
Diastolic blood pressure	rs57708073	A	G	0.7392	0.1907	0.0214	4.726E-19	0.000104978	79.53983513
Diastolic blood pressure	rs57748895	A	T	0.9821	-0.6627	0.0666	2.493E-23	0.000130692	99.02527218
Diastolic blood pressure	rs58407878	A	T	0.1503	0.1569	0.0244	1.22E-10	5.46865E-05	41.43269128
Diastolic blood pressure	rs58693787	A	G	0.7542	0.1584	0.0202	3.816E-15	8.15571E-05	61.79262966
Diastolic blood pressure	rs5992929	T	C	0.2834	0.1684	0.0193	3.071E-18	0.0001001	75.8432527
Diastolic blood pressure	rs6026739	A	T	0.8774	-0.5032	0.0266	1.489E-79	0.000470579	356.6782498
Diastolic blood pressure	rs6031431	A	G	0.5378	-0.1153	0.0175	4.941E-11	5.70196E-05	43.20042293
Diastolic blood pressure	rs604723	T	C	0.2753	-0.3848	0.0194	2.324E-87	0.000517861	392.5339577
Diastolic blood pressure	rs6078393	T	G	0.5894	0.1205	0.0176	7.657E-12	6.18384E-05	46.85161432
Diastolic blood pressure	rs6081555	T	G	0.3431	-0.1015	0.0183	3.055E-08	4.04845E-05	30.67226992
Diastolic blood pressure	rs61018691	C	G	0.1354	0.16	0.0255	3.4E-10	5.20435E-05	39.43018723
Diastolic blood pressure	rs6108168	A	C	0.2546	-0.1901	0.0199	1.103E-21	0.000120792	91.5230475
Diastolic blood pressure	rs61789369	A	G	0.9565	-0.3039	0.0436	3.065E-12	6.42074E-05	48.64659492
Diastolic blood pressure	rs61909958	C	G	0.8119	0.1275	0.0228	2.213E-08	4.13105E-05	31.29806588
Diastolic blood pressure	rs61917655	T	C	0.1011	0.2246	0.0297	3.716E-14	7.56457E-05	57.3134779
Diastolic blood pressure	rs61948065	A	C	0.8788	-0.1737	0.027	1.165E-10	5.48055E-05	41.5228707
Diastolic blood pressure	rs62030049	A	G	0.7596	0.1336	0.0209	1.549E-10	5.40705E-05	40.96600846
Diastolic blood pressure	rs62064603	T	C	0.1856	-0.1335	0.0229	5.518E-09	4.48734E-05	33.9976033
Diastolic blood pressure	rs62155750	A	G	0.6926	-0.2177	0.0196	8.267E-29	0.000163698	124.0374147
Diastolic blood pressure	rs62158170	A	G	0.7834	0.1645	0.0211	6.633E-15	8.01206E-05	60.70415479
Diastolic blood pressure	rs62234672	A	C	0.1752	0.1248	0.0229	4.923E-08	3.92631E-05	29.74687199
Diastolic blood pressure	rs62301873	A	G	0.8939	-0.1734	0.0284	1.063E-09	4.91077E-05	37.20574783

Diastolic blood pressure	rs62380354	A	C	0.8904	0.1825	0.0291	3.681E-10	5.18389E-05	39.27513068
Diastolic blood pressure	rs62413546	T	C	0.0847	-0.1877	0.032	4.583E-09	4.53503E-05	34.35889918
Diastolic blood pressure	rs62434124	T	C	0.0711	-0.4853	0.0338	7.834E-47	0.000272543	206.5344333
Diastolic blood pressure	rs62503324	T	C	0.2397	0.2033	0.0204	2.11E-23	0.000131128	99.35560361
Diastolic blood pressure	rs6271	T	C	0.0737	-0.4313	0.0352	1.718E-34	0.000197978	150.0180101
Diastolic blood pressure	rs636202	T	C	0.4815	0.1023	0.0174	4.399E-09	4.54556E-05	34.43865235
Diastolic blood pressure	rs6442105	A	G	0.3274	-0.2485	0.0185	3.095E-41	0.000238713	180.8920113
Diastolic blood pressure	rs6464165	T	C	0.7191	-0.217	0.0195	7.34E-29	0.000164009	124.273409
Diastolic blood pressure	rs6487076	A	G	0.777	0.174	0.0209	8.685E-17	9.13956E-05	69.24752161
Diastolic blood pressure	rs6504163	T	C	0.6237	-0.1842	0.0183	6.302E-24	0.000134287	101.7490629
Diastolic blood pressure	rs6546810	T	C	0.6475	-0.12	0.0181	3.162E-11	5.81725E-05	44.0739573
Diastolic blood pressure	rs6556384	A	C	0.8105	-0.152	0.0221	5.907E-12	6.25096E-05	47.3601981
Diastolic blood pressure	rs6580970	T	C	0.2987	-0.1661	0.0191	4.028E-18	9.93931E-05	75.30763028
Diastolic blood pressure	rs6581101	A	C	0.6038	-0.1261	0.0179	2.048E-12	6.52512E-05	49.43743565
Diastolic blood pressure	rs6602177	T	C	0.7073	-0.1203	0.0207	6.521E-09	4.44446E-05	33.67268366
Diastolic blood pressure	rs66682451	A	G	0.7253	0.1348	0.0194	3.436E-12	6.39117E-05	48.42251775
Diastolic blood pressure	rs6686889	T	C	0.2533	0.1918	0.0199	6.945E-22	0.000122	92.43849405
Diastolic blood pressure	rs66887589	T	C	0.5221	-0.161	0.0174	1.834E-20	0.000113454	85.96228829
Diastolic blood pressure	rs6715901	A	G	0.4962	-0.1377	0.0174	2.76E-15	8.23991E-05	62.4306091
Diastolic blood pressure	rs6735275	T	C	0.7291	0.1225	0.0194	2.619E-10	5.27163E-05	39.93988725
Diastolic blood pressure	rs6763931	A	G	0.4438	0.1383	0.0173	1.481E-15	8.40173E-05	63.6567587
Diastolic blood pressure	rs6777317	A	G	0.2899	0.1249	0.0195	1.505E-10	5.41449E-05	41.022328
Diastolic blood pressure	rs6779368	A	G	0.6577	-0.1791	0.0184	2.28E-22	0.000124909	94.64309665
Diastolic blood pressure	rs6795735	T	C	0.4109	-0.1438	0.0176	3.054E-16	8.81234E-05	66.76810251
Diastolic blood pressure	rs68085857	T	C	0.234	0.191	0.0205	9.825E-21	0.000115083	87.19665147
Diastolic blood pressure	rs682681	T	C	0.3335	-0.1454	0.0185	4.473E-15	8.11443E-05	61.47983861
Diastolic blood pressure	rs6875967	A	G	0.3521	0.1344	0.0181	1.214E-13	7.25738E-05	54.98586123
Diastolic blood pressure	rs6905288	A	G	0.5681	0.1759	0.0179	7.791E-23	0.000127715	96.76890815
Diastolic blood pressure	rs6934891	A	G	0.4255	0.1275	0.0177	5.214E-13	6.87951E-05	52.12265107
Diastolic blood pressure	rs693974	T	C	0.6036	-0.1847	0.0177	1.758E-25	0.000143646	108.8414548
Diastolic blood pressure	rs6961048	C	G	0.8962	-0.2729	0.0286	1.278E-21	0.000120408	91.23164501
Diastolic blood pressure	rs6983239	T	G	0.2188	0.1159	0.0211	3.706E-08	3.99899E-05	30.29751709
Diastolic blood pressure	rs699	A	G	0.593	-0.2359	0.0177	1.301E-40	0.000234945	178.035893

Diastolic blood pressure	rs7012891	T	C	0.7633	-0.1391	0.0205	1.195E-11	6.06873E-05	45.97944911
Diastolic blood pressure	rs7106104	T	C	0.719	-0.1186	0.0193	7.721E-10	4.99308E-05	37.82938433
Diastolic blood pressure	rs710698	A	G	0.5865	0.1059	0.0176	1.885E-09	4.76339E-05	36.08908227
Diastolic blood pressure	rs7107711	C	G	0.7782	0.1263	0.021	1.669E-09	4.79469E-05	36.32625818
Diastolic blood pressure	rs7115331	T	G	0.7143	-0.1266	0.0192	3.915E-11	5.76207E-05	43.65587536
Diastolic blood pressure	rs7123705	C	G	0.8161	-0.1469	0.0226	7.916E-11	5.58027E-05	42.27845082
Diastolic blood pressure	rs7134440	T	C	0.0826	0.2278	0.0323	1.751E-12	6.56568E-05	49.74481854
Diastolic blood pressure	rs7137828	T	C	0.5183	-0.5027	0.0176	4.8E-180	0.001079394	818.6317489
Diastolic blood pressure	rs7155504	T	C	0.9124	0.2286	0.0317	5.162E-13	6.8821E-05	52.14233322
Diastolic blood pressure	rs7169864	T	C	0.2322	-0.1132	0.0205	3.403E-08	4.02083E-05	30.46297297
Diastolic blood pressure	rs7192407	T	C	0.472	0.1019	0.0174	4.534E-09	4.53779E-05	34.37982012
Diastolic blood pressure	rs7217916	A	G	0.3854	0.1111	0.0179	5.633E-10	5.07428E-05	38.44460798
Diastolic blood pressure	rs7227492	T	C	0.8178	0.181	0.0227	1.425E-15	8.41175E-05	63.73269278
Diastolic blood pressure	rs722783	A	G	0.2216	-0.2093	0.0208	9.027E-24	0.000133347	101.0372451
Diastolic blood pressure	rs7235890	T	G	0.8956	-0.1692	0.0288	4.121E-09	4.56233E-05	34.56572004
Diastolic blood pressure	rs7257694	T	C	0.4003	0.1837	0.0178	6.279E-25	0.000140316	106.3184236
Diastolic blood pressure	rs7258382	T	C	0.8389	0.2624	0.0248	3.027E-26	0.000148248	112.3288424
Diastolic blood pressure	rs72613227	A	T	0.8731	-0.1884	0.0285	3.87E-11	5.76505E-05	43.67850028
Diastolic blood pressure	rs7265695	T	C	0.8035	0.1967	0.0219	2.482E-19	0.000106658	80.81236538
Diastolic blood pressure	rs72683923	T	C	0.9788	0.5325	0.0635	5.023E-17	9.2821E-05	70.32759948
Diastolic blood pressure	rs72704264	C	G	0.2172	0.117	0.0212	3.603E-08	4.00621E-05	30.35218977
Diastolic blood pressure	rs72719149	T	C	0.6836	-0.1279	0.0186	6.342E-12	6.23258E-05	47.22091801
Diastolic blood pressure	rs7278003	T	C	0.4385	-0.1293	0.0176	1.78E-13	7.15813E-05	54.23378436
Diastolic blood pressure	rs72831343	T	G	0.8581	0.4936	0.0248	4.769E-88	0.000522027	395.6934577
Diastolic blood pressure	rs72842207	T	C	0.2149	-0.2112	0.0211	1.1E-23	0.000132831	100.645704
Diastolic blood pressure	rs72976750	T	C	0.8604	-0.1718	0.0251	7.367E-12	6.19383E-05	46.92728241
Diastolic blood pressure	rs72999033	T	C	0.0658	0.2793	0.0358	5.947E-15	8.04042E-05	60.91906897
Diastolic blood pressure	rs7299936	A	G	0.5775	0.1759	0.0175	1.11E-23	0.000132807	100.6277791
Diastolic blood pressure	rs73033340	A	G	0.9638	0.5312	0.0525	5.06E-24	0.00013486	102.1838795
Diastolic blood pressure	rs73036520	C	G	0.2543	0.1557	0.0202	1.34E-14	7.8294E-05	59.32011199
Diastolic blood pressure	rs73046792	A	G	0.1592	-0.1518	0.0245	5.872E-10	5.06357E-05	38.36351541
Diastolic blood pressure	rs7321688	A	C	0.2325	0.1507	0.0205	1.985E-13	7.12986E-05	54.01959614
Diastolic blood pressure	rs73276406	C	G	0.1457	0.1564	0.0246	1.99E-10	5.34244E-05	40.47645187

Diastolic blood pressure	rs73504817	T	C	0.7125	0.1773	0.0191	1.745E-20	0.000113584	86.06065939
Diastolic blood pressure	rs7350752	A	G	0.1241	-0.1504	0.0268	1.966E-08	4.16138E-05	31.52785206
Diastolic blood pressure	rs7427249	A	G	0.58	-0.1098	0.0176	4.336E-10	5.14169E-05	38.95539654
Diastolic blood pressure	rs74439044	T	C	0.9017	-0.3496	0.0294	1.382E-32	0.000186478	141.3019884
Diastolic blood pressure	rs751984	T	C	0.8826	0.3937	0.0275	1.378E-46	0.00027106	205.410349
Diastolic blood pressure	rs7524019	T	C	0.492	0.1036	0.0174	2.6E-09	4.6807E-05	35.46256305
Diastolic blood pressure	rs75507123	T	G	0.1274	-0.1434	0.0261	3.942E-08	3.98319E-05	30.17778005
Diastolic blood pressure	rs75511781	A	G	0.9575	-0.3721	0.047	2.452E-15	8.27066E-05	62.66364721
Diastolic blood pressure	rs7572130	A	G	0.8958	-0.1796	0.0287	4.12E-10	5.15486E-05	39.05515411
Diastolic blood pressure	rs7576060	T	C	0.35	-0.1017	0.0181	2.052E-08	4.1504E-05	31.44471862
Diastolic blood pressure	rs7592578	T	G	0.1938	-0.1998	0.0224	4.707E-19	0.000104989	79.54779427
Diastolic blood pressure	rs7623706	A	G	0.5651	0.0975	0.0176	2.835E-08	4.06759E-05	30.8172944
Diastolic blood pressure	rs76326501	A	C	0.9089	0.3618	0.0305	2.174E-32	0.000185291	140.4022148
Diastolic blood pressure	rs76452347	T	C	0.2053	-0.2246	0.0229	9.371E-23	0.000127232	96.4033175
Diastolic blood pressure	rs76785130	A	G	0.9801	-0.4285	0.0662	9.364E-11	5.53692E-05	41.94994536
Diastolic blood pressure	rs76954792	T	C	0.2322	0.1213	0.0208	5.059E-09	4.50965E-05	34.16659383
Diastolic blood pressure	rs7767235	A	C	0.3532	-0.1181	0.0182	7.949E-11	5.5792E-05	42.27031488
Diastolic blood pressure	rs7788746	T	G	0.6691	-0.1644	0.0183	3.193E-19	0.000106001	80.31460676
Diastolic blood pressure	rs77924615	A	G	0.1982	-0.3163	0.0224	3.724E-45	0.000262404	198.8489987
Diastolic blood pressure	rs7800558	T	C	0.5781	0.096	0.0175	4.459E-08	3.95164E-05	29.93880034
Diastolic blood pressure	rs7805035	A	T	0.4119	0.134	0.0176	2.403E-14	7.67774E-05	58.17096192
Diastolic blood pressure	rs78151625	T	C	0.8342	-0.1869	0.0233	1.039E-15	8.49389E-05	64.35508291
Diastolic blood pressure	rs78256308	T	G	0.9806	0.4113	0.0657	3.732E-10	5.18034E-05	39.24826422
Diastolic blood pressure	rs786921	A	G	0.5957	-0.1145	0.0176	8.628E-11	5.55804E-05	42.11001922
Diastolic blood pressure	rs78809139	A	G	0.1014	-0.2281	0.0288	2.582E-15	8.25724E-05	62.56190345
Diastolic blood pressure	rs78909293	T	C	0.9551	0.321	0.0429	7.306E-14	7.38913E-05	55.98408633
Diastolic blood pressure	rs79044887	C	G	0.8524	0.2427	0.0245	4.006E-23	0.000129453	98.08600544
Diastolic blood pressure	rs79208229	T	G	0.0875	0.2128	0.0326	6.528E-11	5.63004E-05	42.6555185
Diastolic blood pressure	rs7926335	T	C	0.2699	0.1804	0.0195	2.046E-20	0.000113168	85.74597767
Diastolic blood pressure	rs79286081	A	G	0.1021	-0.1631	0.0299	4.83E-08	3.93119E-05	29.78384521
Diastolic blood pressure	rs7933758	T	C	0.3047	-0.1138	0.0191	2.58E-09	4.68268E-05	35.47760419
Diastolic blood pressure	rs7959649	T	C	0.2424	0.1166	0.0202	8.143E-09	4.38744E-05	33.24065834
Diastolic blood pressure	rs7967705	T	C	0.3804	0.2694	0.0178	1.54E-51	0.000301005	228.1100302

Diastolic blood pressure	rs79889784	T	G	0.0176	-0.3941	0.0717	3.862E-08	3.98843E-05	30.21754477
Diastolic blood pressure	rs7992292	A	G	0.824	0.1367	0.0231	3.187E-09	4.62837E-05	35.06610613
Diastolic blood pressure	rs80095680	A	G	0.7367	-0.1566	0.0198	2.811E-15	8.23515E-05	62.39455044
Diastolic blood pressure	rs8014182	T	C	0.1319	-0.1942	0.0257	3.938E-14	7.54951E-05	57.19935653
Diastolic blood pressure	rs8046697	T	C	0.4167	-0.1289	0.0179	6.098E-13	6.83892E-05	51.8151329
Diastolic blood pressure	rs8078510	A	G	0.2693	-0.1277	0.0197	9.843E-11	5.52404E-05	41.85239764
Diastolic blood pressure	rs824523	A	C	0.3344	0.1226	0.0183	2.257E-11	5.90436E-05	44.73403286
Diastolic blood pressure	rs881858	A	G	0.694	0.1553	0.0191	4.654E-16	8.70275E-05	65.93771607
Diastolic blood pressure	rs882624	T	C	0.3325	-0.1571	0.0185	2.334E-17	9.48166E-05	71.83977356
Diastolic blood pressure	rs908951	T	C	0.437	-0.1983	0.0181	7.733E-28	0.000157844	119.601636
Diastolic blood pressure	rs917522	T	C	0.885	0.1665	0.0273	1.038E-09	4.91689E-05	37.25215922
Diastolic blood pressure	rs9286351	A	G	0.5812	-0.1412	0.0177	1.605E-15	8.38082E-05	63.49836477
Diastolic blood pressure	rs9289557	T	C	0.2604	-0.119	0.0207	8.681E-09	4.37102E-05	33.11625384
Diastolic blood pressure	rs9326869	T	C	0.2487	0.1096	0.02	3.986E-08	3.98034E-05	30.15625268
Diastolic blood pressure	rs9365555	A	G	0.6741	0.1254	0.0187	1.964E-11	5.9403E-05	45.00631565
Diastolic blood pressure	rs9399137	T	C	0.7381	0.1148	0.0197	5.831E-09	4.47318E-05	33.89025611
Diastolic blood pressure	rs9406076	T	C	0.3278	0.101	0.0185	4.649E-08	3.94097E-05	29.85789465
Diastolic blood pressure	rs9419374	A	G	0.354	0.1164	0.0185	3.442E-10	5.20119E-05	39.40621335
Diastolic blood pressure	rs9467545	A	T	0.8428	-0.2545	0.0237	7.387E-27	0.000151938	115.1255354
Diastolic blood pressure	rs9478282	T	C	0.1116	-0.1994	0.0279	8.704E-13	6.74673E-05	51.11658007
Diastolic blood pressure	rs9508495	T	C	0.7569	-0.1944	0.0204	1.341E-21	0.000120282	91.13642899
Diastolic blood pressure	rs951914	C	G	0.7126	0.1904	0.0193	5.058E-23	0.000128843	97.62427627
Diastolic blood pressure	rs9526707	A	G	0.3222	-0.1217	0.0186	6.59E-11	5.6276E-05	42.63702832
Diastolic blood pressure	rs9563529	T	G	0.2043	0.1222	0.0215	1.378E-08	4.25248E-05	32.21811462
Diastolic blood pressure	rs962369	T	C	0.6987	0.1684	0.0189	6.023E-19	0.000104346	79.06072076
Diastolic blood pressure	rs9791312	A	C	0.6548	-0.1225	0.0184	2.893E-11	5.84022E-05	44.24799873
Diastolic blood pressure	rs9889262	A	T	0.3666	0.2283	0.018	7.114E-37	0.000212366	160.9224215
Diastolic blood pressure	rs9895032	T	C	0.4975	0.1072	0.0176	1.198E-09	4.88E-05	36.97261618
Diastolic blood pressure	rs9918907	A	G	0.7838	-0.1188	0.021	1.585E-08	4.21659E-05	31.94622618
Diastolic blood pressure	rs9932220	A	G	0.2177	-0.1591	0.021	3.756E-14	7.5618E-05	57.29242008
Diastolic blood pressure	rs9937801	T	C	0.5692	0.1554	0.0174	4.81E-19	0.000104932	79.50502666
Smoking initiation	rs10001365	A	G	0.405	-0.024991752	0.00364155	6.65E-12	3.8249E-05	47.12796718
Smoking initiation	rs10114490	A	G	0.198	-0.025514755	0.004531706	1.81E-08	2.57186E-05	31.68840085



Smoking initiation	rs10159545	G	C	0.375	0.026250115	0.003727266	1.84E-12	4.02938E-05	49.64754698
Smoking initiation	rs10233018	G	A	0.503	0.027069038	0.003557407	2.75E-14	4.69957E-05	57.90562235
Smoking initiation	rs10260968	A	G	0.597	-0.020321779	0.003609376	1.75E-08	2.57717E-05	31.75387233
Smoking initiation	rs10279261	A	G	0.619	-0.02141936	0.003662633	0.000000005	2.77484E-05	34.18942209
Smoking initiation	rs10498846	T	C	0.473	0.020610294	0.003555613	6.62E-09	2.73052E-05	33.64337382
Smoking initiation	rs1050847	T	C	0.505	-0.021623119	0.00358893	1.67E-09	2.94817E-05	36.32509079
Smoking initiation	rs10905461	C	T	0.718	-0.023955389	0.004145052	7.35E-09	2.71401E-05	33.43991275
Smoking initiation	rs11057005	G	A	0.43	-0.02092978	0.003578917	4.85E-09	2.77965E-05	34.24869726
Smoking initiation	rs11078713	G	A	0.454	-0.020172092	0.00360561	2.23E-08	2.53897E-05	31.28320924
Smoking initiation	rs1154693	G	A	0.856	0.032621668	0.004912323	3.12E-11	3.57917E-05	44.10013138
Smoking initiation	rs11658881	G	A	0.418	0.020135721	0.003610663	2.43E-08	2.52544E-05	31.11647619
Smoking initiation	rs11712680	C	A	0.174	-0.027047624	0.004578428	3.51E-09	2.83073E-05	34.87813813
Smoking initiation	rs117143374	C	T	0.12	0.02928969	0.005269089	2.76E-08	2.50538E-05	30.86932493
Smoking initiation	rs11721059	T	C	0.474	0.019935687	0.003563355	2.17E-08	2.54327E-05	31.33616079
Smoking initiation	rs11768481	A	C	0.347	-0.023201667	0.003763807	7E-10	3.08577E-05	38.02064507
Smoking initiation	rs11872397	A	G	0.252	-0.024772541	0.004094775	1.43E-09	2.97271E-05	36.62750089
Smoking initiation	rs12027999	C	T	0.124	-0.0330855	0.00533915	5.76E-10	3.11665E-05	38.4010973
Smoking initiation	rs12042107	C	T	0.527	-0.022283376	0.003568196	4.22E-10	3.16593E-05	39.0083349
Smoking initiation	rs12112638	G	A	0.275	-0.024525968	0.004042986	1.34E-09	2.98299E-05	36.75422351
Smoking initiation	rs12186738	T	G	0.154	-0.033264435	0.005020511	3.42E-11	3.56459E-05	43.92043201
Smoking initiation	rs12333760	C	T	0.204	-0.029046684	0.004801269	1.44E-09	2.97161E-05	36.61391656
Smoking initiation	rs12356821	C	G	0.14	0.039370036	0.005049101	6.27E-15	4.93568E-05	60.81494859
Smoking initiation	rs12441907	A	C	0.186	-0.029205064	0.00452262	1.06E-10	3.38499E-05	41.70752914
Smoking initiation	rs12474587	T	G	0.404	0.027632862	0.003582345	1.25E-14	4.82547E-05	59.45693203
Smoking initiation	rs12545053	G	A	0.397	0.020280798	0.003636678	2.43E-08	2.52544E-05	31.11647619
Smoking initiation	rs12632110	G	A	0.647	-0.023376824	0.003752923	4.78E-10	3.14619E-05	38.76509251
Smoking initiation	rs12923427	T	C	0.204	-0.023908663	0.004372398	4.44E-08	2.43053E-05	29.94708009
Smoking initiation	rs13030994	A	G	0.485	0.036092466	0.003556296	3.56E-24	8.34938E-05	102.8804244
Smoking initiation	rs13145728	C	G	0.358	-0.023251231	0.003662633	2.14E-10	3.27356E-05	40.33446785
Smoking initiation	rs13261666	T	G	0.522	-0.026894575	0.00355604	3.9E-14	4.6438E-05	57.21842679
Smoking initiation	rs134529	C	T	0.349	-0.019983953	0.003660777	4.85E-08	2.41664E-05	29.77583414
Smoking initiation	rs1385108	T	C	0.239	0.024661699	0.004156729	0.000000003	2.85554E-05	35.18385752
Smoking initiation	rs1435741	A	G	0.425	0.029415124	0.003590951	2.64E-16	5.44211E-05	67.05527687

Smoking initiation	rs1445649	C	T	0.525	0.023993234	0.003564837	1.68E-11	3.67754E-05	45.31219245
Smoking initiation	rs1555445	T	A	0.337	0.022554797	0.003823396	3.65E-09	2.82455E-05	34.801991
Smoking initiation	rs1565735	A	T	0.212	-0.037618034	0.004461299	3.42E-17	5.76921E-05	71.08593187
Smoking initiation	rs1899896	T	C	0.286	0.026448125	0.003886909	1.04E-11	3.75378E-05	46.25162982
Smoking initiation	rs1971318	T	C	0.141	0.028507422	0.004925332	7.06E-09	2.72036E-05	33.51820713
Smoking initiation	rs2046850	T	C	0.187	-0.024813853	0.004478422	3.03E-08	2.49068E-05	30.68821358
Smoking initiation	rs2050586	C	G	0.355	-0.02054666	0.003708276	0.00000003	2.49225E-05	30.70752084
Smoking initiation	rs2107300	G	C	0.845	-0.027201037	0.004925332	3.27E-08	2.47868E-05	30.54031619
Smoking initiation	rs2140114	T	C	0.518	-0.023259082	0.003734021	4.7E-10	3.14886E-05	38.79803811
Smoking initiation	rs222449	T	A	0.793	-0.025320823	0.004427963	1.08E-08	2.65328E-05	32.69165327
Smoking initiation	rs2378662	A	G	0.556	0.020948155	0.003566451	4.16E-09	2.80389E-05	34.54738515
Smoking initiation	rs240963	C	T	0.836	-0.041044352	0.004837123	2.16E-17	5.8428E-05	71.99265375
Smoking initiation	rs266047	A	G	0.529	-0.030509844	0.003738547	3.36E-16	5.40353E-05	66.57986922
Smoking initiation	rs2678897	A	G	0.625	0.020087267	0.003643209	3.51E-08	2.46753E-05	30.40291671
Smoking initiation	rs292071	C	T	0.244	0.023582199	0.004009094	4.08E-09	2.80696E-05	34.58518349
Smoking initiation	rs3001723	A	G	0.321	0.033511798	0.003898302	8.12E-18	5.9995E-05	73.92359252
Smoking initiation	rs301805	G	T	0.559	0.021467915	0.003613287	2.8E-09	2.86645E-05	35.3182223
Smoking initiation	rs35702515	T	G	0.162	0.025244173	0.004230933	2.43E-09	2.88885E-05	35.59428024
Smoking initiation	rs3800227	G	A	0.701	0.022812119	0.004058094	1.93E-08	2.56174E-05	31.56373925
Smoking initiation	rs3904512	A	G	0.429	-0.021158885	0.003576504	3.23E-09	2.84387E-05	35.040009
Smoking initiation	rs4044321	G	A	0.642	-0.027841695	0.003710577	6.08E-14	4.57294E-05	56.34524925
Smoking initiation	rs4236259	G	T	0.499	-0.024768919	0.00355661	3.35E-12	3.93399E-05	48.47222559
Smoking initiation	rs4523689	G	A	0.408	-0.020609101	0.003643209	1.55E-08	2.5963E-05	31.98960227
Smoking initiation	rs4543592	C	T	0.468	0.021931432	0.003562439	7.46E-10	3.0757E-05	37.89647259
Smoking initiation	rs4571506	T	C	0.492	-0.027574664	0.003568807	1.09E-14	4.84734E-05	59.72648095
Smoking initiation	rs4674993	G	A	0.207	-0.02521221	0.004436185	1.32E-08	2.62163E-05	32.30166763
Smoking initiation	rs4759228	C	G	0.27	-0.021691308	0.003934132	3.58E-08	2.46442E-05	30.36461199
Smoking initiation	rs4785836	C	T	0.398	-0.020470447	0.003658939	2.26E-08	2.53687E-05	31.25726629
Smoking initiation	rs528301	A	G	0.605	0.028914912	0.003591984	8.41E-16	5.25678E-05	64.77166126
Smoking initiation	rs56820925	T	C	0.347	-0.021863819	0.003877149	1.73E-08	2.57898E-05	31.77619684
Smoking initiation	rs6265	T	C	0.203	-0.031786296	0.004578428	3.77E-12	3.9152E-05	48.24060588
Smoking initiation	rs6433897	C	T	0.754	0.022448266	0.004058094	3.16E-08	2.48407E-05	30.60670384
Smoking initiation	rs6669839	T	C	0.204	0.026004122	0.004395499	3.36E-09	2.83763E-05	34.96317594

Smoking initiation	rs6728726	C	T	0.829	0.035448593	0.004732794	6.73E-14	4.55673E-05	56.14554269
Smoking initiation	rs6788098	T	A	0.623	-0.031346052	0.003689048	1.91E-17	5.86249E-05	72.23538524
Smoking initiation	rs6893752	G	A	0.766	-0.024099534	0.004073565	3.25E-09	2.84289E-05	35.02798911
Smoking initiation	rs7197072	T	C	0.238	-0.024767214	0.004168596	2.77E-09	2.86815E-05	35.3392023
Smoking initiation	rs7224742	T	C	0.595	-0.020709882	0.003655318	1.43E-08	2.60901E-05	32.14614709
Smoking initiation	rs72789632	T	C	0.12	-0.032885561	0.005286275	5.02E-10	3.13843E-05	38.66946986
Smoking initiation	rs72896886	C	G	0.144	-0.026888489	0.004837123	2.75E-08	2.50595E-05	30.87636912
Smoking initiation	rs7322872	T	C	0.782	-0.025571284	0.004334739	3.58E-09	2.82761E-05	34.83969179
Smoking initiation	rs7555507	T	C	0.496	-0.02414444	0.00355604	1.14E-11	3.73918E-05	46.0717583
Smoking initiation	rs76214862	C	A	0.202	-0.024990316	0.004547454	3.99E-08	2.44735E-05	30.15430746
Smoking initiation	rs7631735	T	G	0.603	0.020227305	0.003644707	2.79E-08	2.50368E-05	30.84834472
Smoking initiation	rs76608582	A	C	0.0389	-0.049557467	0.008259578	1.94E-09	2.92446E-05	36.03303986
Smoking initiation	rs7929518	G	A	0.765	0.024237689	0.004284658	1.56E-08	2.59529E-05	31.97710979
Smoking initiation	rs7938812	G	T	0.424	0.043791401	0.003636678	2.71E-33	0.000117298	144.5379881
Smoking initiation	rs7969559	G	A	0.688	-0.024375606	0.003959459	7.31E-10	3.07891E-05	37.93610072
Smoking initiation	rs9401770	A	G	0.273	0.027730657	0.003986002	3.47E-12	3.92839E-05	48.40320842
Smoking initiation	rs9423279	G	C	0.641	-0.020513169	0.003708276	3.21E-08	2.4816E-05	30.57624524
Smoking initiation	rs9835772	T	A	0.235	0.02404718	0.004142373	6.32E-09	2.73784E-05	33.73358772
Smoking initiation	rs993700	C	T	0.766	-0.025927991	0.004291632	1.53E-09	2.96202E-05	36.49574348
Smoking cessation	rs12911035	C	T	0.533	0.028502106	0.005177924	3.75E-08	5.53217E-05	30.27462433
Smoking cessation	rs3025327	C	G	0.0935	0.084791789	0.008314519	1.96E-24	0.000190131	104.0628399
Smoking cessation	rs518425	G	A	0.307	-0.037147419	0.00570487	7.57E-11	7.74146E-05	42.36585916
Smoking cessation	rs56113850	C	T	0.568	-0.055278591	0.005200172	2.52E-26	0.000205895	112.6922933
Smoking cessation	rs6011779	T	C	0.786	-0.054699896	0.006652933	2.04E-16	0.000123452	67.56359247
Smoking cessation	rs60749569	T	A	0.0757	-0.052674012	0.009385148	1.95E-08	5.76406E-05	31.54371996
Smoking cessation	rs7127006	A	G	0.278	0.032408212	0.005792725	2.24E-08	5.71487E-05	31.27452295
Smoking cessation	rs9607805	T	C	0.694	0.034367998	0.005792725	2.97E-09	6.43276E-05	35.20342992
Smoking heaviness	rs11725618	C	T	0.287	0.036064018	0.006157821	4.67E-09	0.000101741	34.32409686
Smoking heaviness	rs11852372	C	A	0.328	0.182472158	0.005910853	1E-200	0.002705132	915.0027776
Smoking heaviness	rs2072659	G	C	0.105	-0.06525177	0.009246505	1.71E-12	0.000147593	49.79505472
Smoking heaviness	rs2084533	T	C	0.319	0.033640552	0.005900943	1.22E-08	9.62056E-05	32.45636564
Smoking heaviness	rs215600	A	G	0.64	-0.049250294	0.005752503	1.1E-17	0.000217342	73.33247191
Smoking heaviness	rs2273500	C	T	0.159	0.068093833	0.007795528	2.47E-18	0.000226082	76.28204501

Smoking heaviness	rs2386571	C	A	0.57	-0.031868709	0.005564518	1.03E-08	9.7181E-05	32.78543527
Smoking heaviness	rs2424888	A	G	0.405	0.033484792	0.005635861	2.76E-09	0.000104776	35.3481505
Smoking heaviness	rs3025383	C	T	0.18	-0.057839414	0.00704521	2.22E-16	0.000199774	67.403713
Smoking heaviness	rs34406232	A	C	0.0259	-0.146992005	0.01669717	1.33E-18	0.000229706	77.50489135
Smoking heaviness	rs4785587	A	G	0.511	-0.033622317	0.00553496	1.27E-09	0.00010926	36.86089227
Smoking heaviness	rs56113850	C	T	0.568	0.107204606	0.005603675	1.1E-81	0.001085781	366.6669268
Smoking heaviness	rs58379124	C	T	0.748	0.06693935	0.006501724	9E-25	0.000313011	105.6216958
Smoking heaviness	rs632811	G	A	0.351	-0.036713674	0.006410485	1.03E-08	9.7181E-05	32.78543527
Smoking heaviness	rs73229090	A	C	0.113	0.055489485	0.008762711	2.44E-10	0.000118802	40.08061467
Smoking heaviness	rs7431710	A	G	0.644	-0.034957881	0.005810196	1.82E-09	0.000107181	36.15945601
Smoking heaviness	rs75494138	T	C	0.0618	0.059876284	0.010568232	1.45E-08	9.52109E-05	32.12073981
Smoking heaviness	rs790564	C	A	0.719	-0.040892693	0.00619302	3.97E-11	0.000129326	43.63145969
Smoking heaviness	rs7928017	A	C	0.413	-0.03293136	0.005558481	3.14E-09	0.000104032	35.09691501
Smoking heaviness	rs7951365	C	T	0.306	0.038951113	0.005967811	6.63E-11	0.000126352	42.6279477
Smoking heaviness	rs806798	C	T	0.543	-0.030850722	0.005532038	2.48E-08	9.21216E-05	31.07841948
Smoking heaviness	rs895330	G	C	0.206	-0.039004149	0.007016678	2.68E-08	9.16754E-05	30.92787254
Smoking age	rs11780471	A	G	0.0644	0.037850385	0.005805984	7E-11	0.000124526	42.52168023
Smoking age	rs11915747	G	C	0.354	0.020989626	0.002891342	3.83E-13	0.000154425	52.73261316
Smoking age	rs140485736	A	G	0.0131	0.065453218	0.011534614	1.41E-08	9.42287E-05	32.1750749
Smoking age	rs319748	A	G	0.711	-0.017033929	0.003074296	3.08E-08	8.97858E-05	30.65787769
Smoking age	rs3768886	C	G	0.328	0.017140245	0.002965813	7.37E-09	9.79221E-05	33.43631382
Smoking age	rs624833	G	T	0.309	0.017294481	0.003006032	8.61E-09	9.70364E-05	33.13387824
Smoking age	rs7599208	T	C	0.558	-0.019617115	0.002779844	1.71E-12	0.000145823	49.79500978
HbA1C	rs1046896	C	T	0.686	-0.028	0.0017	4.456E-64	0.002307082	285.9604431
HbA1C	rs10774625	A	G	0.456	-0.0088	0.0016	1.464E-08	0.000259548	32.10479159
HbA1C	rs11248914	C	T	0.314	-0.014	0.0019	2.563E-14	0.000469265	58.05801288
HbA1C	rs11603334	A	G	0.129	-0.012	0.0021	6.853E-09	0.000271477	33.58078334
HbA1C	rs11708067	A	G	0.774	0.013	0.0019	1.419E-12	0.000405516	50.16770716
HbA1C	rs11964178	A	G	0.585	0.0096	0.0016	6.379E-10	0.000308873	38.20796421
HbA1C	rs12368284	A	G	0.612	0.012	0.002	2.924E-10	0.000321183	39.73126841
HbA1C	rs12621844	C	T	0.373	-0.0099	0.0018	1.865E-08	0.000255746	31.63444103
HbA1C	rs13134327	A	G	0.31	0.013	0.0017	2.636E-15	0.000505451	62.5371993
HbA1C	rs13266634	C	T	0.761	0.015	0.0017	4.533E-20	0.000680436	84.20207846

HbA1C	rs1387153	C	T	0.728	-0.019	0.0019	2.109E-24	0.00083998	103.9617663
HbA1C	rs1547247	A	G	0.252	-0.014	0.0017	1.73E-17	0.000585541	72.4522271
HbA1C	rs17509001	C	T	0.155	0.018	0.0023	1.935E-15	0.000510372	63.14641621
HbA1C	rs17533903	A	G	0.265	0.015	0.0022	5.267E-12	0.000384723	47.59434707
HbA1C	rs17747324	C	T	0.192	0.015	0.0023	6.122E-11	0.000345891	42.78869941
HbA1C	rs1800562	A	G	0.053	-0.04	0.0036	4.669E-28	0.00097478	120.661855
HbA1C	rs2246434	A	G	0.31	0.019	0.0018	1.985E-27	0.000951588	117.7882609
HbA1C	rs2383208	A	G	0.792	0.014	0.0021	7.042E-12	0.000380121	47.02483801
HbA1C	rs267738	G	T	0.214	-0.011	0.0019	2.594E-09	0.000286764	35.47229313
HbA1C	rs2979422	C	T	0.133	0.015	0.0023	1.097E-10	0.00033667	41.64762874
HbA1C	rs3782123	A	C	0.677	-0.013	0.002	1.509E-10	0.000331631	41.02410935
HbA1C	rs423117	C	T	0.879	-0.019	0.0027	1.298E-12	0.00040693	50.34268001
HbA1C	rs4607517	A	G	0.195	0.031	0.0024	8.755E-38	0.001334091	165.1981341
HbA1C	rs4737009	A	G	0.27	0.021	0.002	4.484E-27	0.000938531	116.1705283
HbA1C	rs4745982	G	T	0.085	-0.095	0.0056	2.87E-65	0.002351182	291.4394481
HbA1C	rs560887	C	T	0.674	0.028	0.0018	1.48E-58	0.002102667	260.5699661
HbA1C	rs579459	C	T	0.204	0.011	0.0019	9.422E-09	0.000266472	32.96152299
HbA1C	rs592423	A	C	0.451	0.0091	0.0017	3.959E-08	0.000243936	30.17323667
HbA1C	rs6474359	C	T	0.032	-0.044	0.0053	1.504E-16	0.000551063	68.18368847
HbA1C	rs7040409	C	G	0.955	0.028	0.0037	2.563E-14	0.000469265	58.05801288
HbA1C	rs7616006	A	G	0.562	0.01	0.0017	5.068E-10	0.000312503	38.65709259
HbA1C	rs8192675	C	T	0.296	-0.011	0.0017	1.378E-11	0.000369489	45.70895392
HbA1C	rs837763	C	T	0.482	-0.017	0.0016	1.679E-28	0.000991172	122.692932
HbA1C	rs855791	A	G	0.412	0.017	0.0016	3.439E-28	0.000979681	121.2690419
HbA1C	rs9818758	A	G	0.168	0.012	0.002	7.735E-10	0.000305833	37.83178876
HbA1C	rs9914988	A	G	0.805	0.013	0.002	2.765E-11	0.000358465	44.34471511
HbA1C	rs9935401	A	G	0.45	0.0099	0.0018	1.865E-08	0.000255746	31.63444103
Lp(a)	rs12190927	T	C	0.0334001	0.292312	0.0320982	8.48305E-20	0.012800339	83.4771176
Lp(a)	rs56393506	T	C	0.172605	0.487055	0.0205218	1.6244E-124	0.083780655	588.7016675
Lp(a)	rs62435349	T	A	0.0949184	-0.361688	0.0265066	2.1562E-42	0.028508617	188.9244529
Lp(a)	rs676334	C	T	0.926917	-0.241998	0.0330242	2.33758E-13	0.008306794	53.92709835
Lp(a)	rs75885118	C	T	0.0495842	-0.321279	0.0350532	4.93282E-20	0.012964682	84.56295566
IDL.C	rs11591147	T	G	0.030715	-0.499655	0.034767	1.55E-45	0.01035536	201.6462649

IDL.C	rs142130958	A	G	0.101869	-0.237703	0.017229	4.2E-42	0.009547295	185.7594257
IDL.C	rs1883711	C	G	0.05671	0.148789	0.024719	3.02E-09	0.001823452	35.20394442
IDL.C	rs261334	C	G	0.769329	-0.118778	0.012312	2E-21	0.004677307	90.55995132
IDL.C	rs2980860	G	A	0.48076	-0.064919	0.010295	5.2E-10	0.002001094	38.64039679
IDL.C	rs62523994	A	G	0.390666	0.060131	0.010607	2.34E-08	0.001617213	31.21579913
IDL.C	rs629301	T	G	0.783555	0.126845	0.012412	7.51E-24	0.005248195	101.6715617
IDL.C	rs635634	T	C	0.20054	0.082768	0.012828	2.06E-10	0.002094734	40.45234953
IDL.C	rs6756629	A	G	0.081568	-0.128503	0.018819	1.73E-11	0.00234564	45.30910711
IDL.C	rs7412	T	C	0.055504	-0.533115	0.025827	5.08E-92	0.021251574	418.4314104
IDL.C	rs7786322	T	A	0.24911	0.069748	0.011953	8.99E-09	0.001713496	33.07745954
IDL.C	rs79225634	T	C	0.353218	0.089963	0.010812	2.45E-16	0.003481253	67.32158098
IDL.C	rs952275	G	T	0.426607	0.108865	0.010349	3.58E-25	0.005559428	107.734686
IDL.FC	rs11591147	T	G	0.030715	-0.505043	0.034776	1.28E-46	0.009490417	206.5451208
IDL.FC	rs17248720	T	C	0.105195	-0.231635	0.016531	1.62E-43	0.008836999	192.197637
IDL.FC	rs1883711	C	G	0.05671	0.148988	0.024728	2.74E-09	0.001639015	35.39024818
IDL.FC	rs261334	C	G	0.775278	-0.13872	0.011922	1.55E-30	0.006101498	132.3374517
IDL.FC	rs2954021	G	A	0.546373	-0.060277	0.009816	1.36E-09	0.001702228	36.75749435
IDL.FC	rs629301	T	G	0.779766	0.118798	0.011937	8.93E-23	0.004466545	96.71730007
IDL.FC	rs635634	T	C	0.198427	0.077362	0.012378	6.91E-10	0.001763382	38.08036889
IDL.FC	rs6756629	A	G	0.078221	-0.119821	0.018218	8.52E-11	0.001952706	42.17683363
IDL.FC	rs7412	T	C	0.056115	-0.52295	0.025147	1.09E-93	0.01936825	425.7677381
IDL.FC	rs7786322	T	A	0.245761	0.070568	0.011464	1.24E-09	0.001710568	36.93789672
IDL.FC	rs79225634	T	C	0.33695	0.079826	0.010481	5.61E-14	0.002617747	56.57887115
IDL.FC	rs952275	G	T	0.433279	0.10884	0.009876	1.47E-27	0.00547414	118.6555633
IDL.L	rs11591147	T	G	0.030715	-0.480746	0.034793	3.33E-42	0.009571028	186.2256502
IDL.L	rs142130958	A	G	0.101869	-0.234915	0.01724	4.3E-41	0.009309443	181.0881121
IDL.L	rs1883711	C	G	0.05671	0.156241	0.024727	4.85E-10	0.002008137	38.77667819
IDL.L	rs261334	C	G	0.769329	-0.132194	0.012311	3.74E-26	0.005790465	112.2379608
IDL.L	rs2980860	G	A	0.48076	-0.072583	0.010296	3.81E-12	0.002499137	48.2815395
IDL.L	rs3741298	T	C	0.771465	-0.078122	0.012216	2.99E-10	0.002057046	39.72304488
IDL.L	rs62523994	A	G	0.390666	0.059451	0.010612	3.42E-08	0.001579059	30.47817082
IDL.L	rs629301	T	G	0.783555	0.120442	0.01242	1.26E-21	0.004724525	91.478506
IDL.L	rs635634	T	C	0.20054	0.08545	0.012832	5.41E-11	0.002230093	43.07218041

IDL.L	rs7412	T	C	0.055504	-0.504989	0.025872	1.92E-82	0.019014573	373.5323913
IDL.L	rs76866386	C	T	0.081622	-0.122492	0.01881	1.41E-10	0.002133098	41.19480062
IDL.L	rs7786322	T	A	0.24911	0.072203	0.011958	2.72E-09	0.001834007	35.408085
IDL.L	rs79225634	T	C	0.353218	0.086675	0.010818	2.97E-15	0.003226986	62.38857585
IDL.L	rs952275	G	T	0.426607	0.109054	0.010353	3.14E-25	0.005572841	107.9960541
IDL.P	rs11591147	T	G	0.030715	-0.464499	0.034806	1.82E-39	0.008926417	173.5703345
IDL.P	rs142130958	A	G	0.101869	-0.23018	0.017244	1.76E-39	0.008929845	173.6376007
IDL.P	rs1883711	C	G	0.05671	0.158757	0.024726	2.57E-10	0.002072356	40.0193093
IDL.P	rs261334	C	G	0.769329	-0.139519	0.012306	5.98E-29	0.006449108	125.0874627
IDL.P	rs2980860	G	A	0.48076	-0.075295	0.010295	5.92E-13	0.00268823	51.94452335
IDL.P	rs3741298	T	C	0.771465	-0.085361	0.012213	5.87E-12	0.002455273	47.43201773
IDL.P	rs629301	T	G	0.783555	0.116125	0.012422	3.38E-20	0.004388432	84.94222794
IDL.P	rs635634	T	C	0.20054	0.084967	0.012832	7.01E-11	0.002203851	42.56421564
IDL.P	rs7412	T	C	0.055504	-0.481801	0.025898	5.03E-75	0.017278858	338.8355728
IDL.P	rs76866386	C	T	0.081622	-0.117135	0.018811	8.69E-10	0.001949202	37.63643119
IDL.P	rs7786322	T	A	0.24911	0.071801	0.011958	3.36E-09	0.001812692	34.99581876
IDL.P	rs79225634	T	C	0.353218	0.083426	0.010819	3.11E-14	0.002987854	57.75148651
IDL.P	rs952275	G	T	0.426607	0.107726	0.010353	1.21E-24	0.00543488	105.3079099
IDL.PL	rs11591147	T	G	0.030715	-0.487758	0.034812	1.59E-43	0.008838709	192.2351613
IDL.PL	rs17248720	T	C	0.105195	-0.226811	0.01654	9.24E-42	0.008467028	184.0823456
IDL.PL	rs2207132	A	G	0.059698	0.154188	0.024556	5.72E-10	0.00178046	38.44983575
IDL.PL	rs261334	C	G	0.775278	-0.126571	0.011932	1.17E-25	0.00507365	109.9304187
IDL.PL	rs3741298	T	C	0.778198	-0.079252	0.011812	3.53E-11	0.002032514	43.90413422
IDL.PL	rs629301	T	G	0.779766	0.112767	0.011943	1.15E-20	0.004022473	87.06266202
IDL.PL	rs635634	T	C	0.198427	0.077258	0.012381	7.3E-10	0.001758421	37.97305563
IDL.PL	rs6756629	A	G	0.078221	-0.111792	0.018235	1.44E-09	0.001697068	36.64587707
IDL.PL	rs7412	T	C	0.056115	-0.505154	0.025175	2.19E-87	0.018050137	396.2593438
IDL.PL	rs7786322	T	A	0.245761	0.072715	0.011467	3.87E-10	0.001815777	39.21389975
IDL.PL	rs79225634	T	C	0.33695	0.078766	0.010485	1.21E-13	0.002547828	55.06382605
IDL.PL	rs952275	G	T	0.433279	0.105808	0.00988	3.98E-26	0.005172306	112.0791157
IDL.TG	rs115849089	A	G	0.101403	-0.097853	0.017191	2.05E-08	0.001630522	31.47309918
IDL.TG	rs1883711	C	G	0.05671	0.154938	0.024724	6.67E-10	0.001975932	38.15357224
IDL.TG	rs247617	A	C	0.288773	-0.084256	0.011466	4.51E-13	0.002715876	52.48017757

IDL.TG	rs261334	C	G	0.769329	-0.197359	0.012259	1.09E-56	0.012977985	253.3871961
IDL.TG	rs4075673	C	T	0.601523	-0.102479	0.010484	5.92E-22	0.004801725	92.9805077
IDL.TG	rs6511720	T	G	0.099907	-0.175667	0.017333	1.76E-23	0.005161114	99.97582306
IDL.TG	rs660240	C	T	0.785302	0.078525	0.012481	5.7E-10	0.001991814	38.46085613
IDL.TG	rs72660594	C	T	0.035214	-0.271711	0.028807	1.5E-20	0.004471426	86.55587697
IDL.TG	rs79225634	T	C	0.353218	0.062054	0.01082	0.000000016	0.001655457	31.9552211
IDL.TG	rs9302635	C	T	0.174853	-0.077798	0.013469	1.27E-08	0.001678707	32.40475508
IDL.TG	rs964184	C	G	0.857677	-0.148855	0.014566	7.59E-24	0.005247112	101.6504613
L.LDL.C	rs11591147	T	G	0.030715	-0.523828	0.034717	5.69E-50	0.010199499	222.0641508
L.LDL.C	rs142130958	A	G	0.105488	-0.232815	0.01635	1.07E-44	0.009088524	197.6540672
L.LDL.C	rs193084249	G	A	0.032129	0.179693	0.031247	1.48E-08	0.001487529	32.1040108
L.LDL.C	rs2207132	A	G	0.059698	0.14217	0.024523	1.13E-08	0.001511823	32.62912252
L.LDL.C	rs261334	C	G	0.775261	-0.070284	0.011934	6.63E-09	0.00155986	33.66748879
L.LDL.C	rs34042070	G	C	0.20157	0.068986	0.012217	2.68E-08	0.001434104	30.94932831
L.LDL.C	rs3741298	T	C	0.778179	-0.068881	0.011795	8.86E-09	0.001533734	33.10273391
L.LDL.C	rs495828	T	G	0.220826	0.07198	0.01175	1.61E-09	0.001687542	36.42800096
L.LDL.C	rs629301	T	G	0.779776	0.127798	0.011915	4.36E-26	0.005165636	111.8974777
L.LDL.C	rs6756629	A	G	0.078231	-0.141273	0.01819	2.03E-14	0.002711129	58.58365689
L.LDL.C	rs73066442	G	A	0.245776	0.073287	0.011449	2.9E-10	0.001842465	39.77841124
L.LDL.C	rs7412	T	C	0.056113	-0.57267	0.025055	2.63E-112	0.023259894	513.1873957
L.LDL.C	rs79225634	T	C	0.336995	0.086342	0.010463	4.42E-16	0.003059853	66.14221668
L.LDL.C	rs934197	A	G	0.287215	0.113771	0.010972	1.74E-24	0.004828266	104.5539574
L.LDL.CE	rs11591147	T	G	0.030715	-0.51831	0.034723	8.6E-49	0.011121419	216.731218
L.LDL.CE	rs142130958	A	G	0.101869	-0.236648	0.017214	1.19E-41	0.009440807	183.6677577
L.LDL.CE	rs193084249	G	A	0.032129	0.182861	0.031243	8.68E-09	0.001717031	33.14580792
L.LDL.CE	rs2207132	A	G	0.059698	0.143134	0.02452	9.5E-09	0.001707939	32.96999397
L.LDL.CE	rs2980860	G	A	0.48076	-0.0651	0.010286	4.88E-10	0.002007514	38.76461711
L.LDL.CE	rs34042070	G	C	0.19909	0.074023	0.012866	1.54E-08	0.001659304	32.02959266
L.LDL.CE	rs3741298	T	C	0.771465	-0.07376	0.012201	2.78E-09	0.001831806	35.36550982
L.LDL.CE	rs629301	T	G	0.783555	0.134858	0.012397	1.05E-26	0.005920403	114.7715715
L.LDL.CE	rs635634	T	C	0.20054	0.074238	0.012819	1.24E-08	0.001681113	32.45128899
L.LDL.CE	rs6756629	A	G	0.081568	-0.13357	0.018792	2.78E-12	0.002531132	48.90121146
L.LDL.CE	rs73066442	G	A	0.249027	0.069161	0.011942	1.24E-08	0.001681113	32.45128899



L.LDL.CE	rs7412	T	C	0.055504	-0.571074	0.025746	1.54E-105	0.024401315	481.9991574
L.LDL.CE	rs79225634	T	C	0.353218	0.093823	0.010801	1.33E-17	0.003778404	73.08978903
L.LDL.CE	rs934197	A	G	0.284745	0.114845	0.01146	6.6E-23	0.005025981	97.34492833
L.LDL.FC	rs11591147	T	G	0.030715	-0.526401	0.034732	2.02E-50	0.010292781	224.1474006
L.LDL.FC	rs142130958	A	G	0.105492	-0.238766	0.016354	6.49E-47	0.009554297	207.910206
L.LDL.FC	rs2207132	A	G	0.059698	0.136103	0.024534	4.65E-08	0.001384378	29.87886061
L.LDL.FC	rs261334	C	G	0.775268	-0.080351	0.011935	3.33E-11	0.002038177	44.01853661
L.LDL.FC	rs495828	T	G	0.220822	0.074325	0.011751	4.67E-10	0.001799124	38.84640194
L.LDL.FC	rs629301	T	G	0.779772	0.129065	0.011919	1.45E-26	0.005265668	114.0917081
L.LDL.FC	rs6756629	A	G	0.078227	-0.141522	0.018198	1.86E-14	0.002718714	58.75619228
L.LDL.FC	rs73066442	G	A	0.245772	0.073725	0.011453	2.29E-10	0.001863572	40.24056624
L.LDL.FC	rs7412	T	C	0.056114	-0.592793	0.025036	2.03E-120	0.024945122	551.3968715
L.LDL.FC	rs79225634	T	C	0.336976	0.083468	0.010469	4.05E-15	0.002857547	61.76520158
L.LDL.FC	rs934197	A	G	0.287218	0.115695	0.010977	2.97E-25	0.004989349	108.0746579
L.LDL.L	rs11591147	T	G	0.030715	-0.516356	0.034738	2.07E-48	0.01103168	214.9629169
L.LDL.L	rs142130958	A	G	0.101869	-0.239755	0.017221	1.11E-42	0.009683354	188.432575
L.LDL.L	rs193084249	G	A	0.032129	0.177747	0.031258	2.25E-08	0.001621158	31.29206358
L.LDL.L	rs2207132	A	G	0.059698	0.146056	0.024531	4.78E-09	0.001777148	34.30838138
L.LDL.L	rs261334	C	G	0.769329	-0.071919	0.012327	9.64E-09	0.001706465	32.94150383
L.LDL.L	rs2980860	G	A	0.48076	-0.069642	0.010289	2.82E-11	0.002296108	44.35013085
L.LDL.L	rs34042070	G	C	0.19909	0.072208	0.012872	3.47E-08	0.0015776	30.44996982
L.LDL.L	rs3741298	T	C	0.771465	-0.07587	0.012206	9.84E-10	0.001936647	37.39354906
L.LDL.L	rs629301	T	G	0.783555	0.132521	0.012404	8E-26	0.005712693	110.7218176
L.LDL.L	rs635634	T	C	0.20054	0.076786	0.012824	3.91E-09	0.001797404	34.70013318
L.LDL.L	rs6756629	A	G	0.081568	-0.131195	0.0188	6.79E-12	0.0024405	47.14592753
L.LDL.L	rs73066442	G	A	0.249027	0.072435	0.011947	2.49E-09	0.001842921	35.58049337
L.LDL.L	rs7412	T	C	0.055504	-0.572611	0.025756	4.82E-106	0.024518678	484.3756936
L.LDL.L	rs79225634	T	C	0.353218	0.091987	0.010807	5.75E-17	0.003629057	70.19027913
L.LDL.L	rs934197	A	G	0.284745	0.115894	0.011465	2.77E-23	0.005114744	99.07296887
L.LDL.P	rs11591147	T	G	0.030715	-0.508809	0.034744	4.46E-47	0.01071798	208.7839338
L.LDL.P	rs142130958	A	G	0.101869	-0.237683	0.017224	5.37E-42	0.009522168	185.2658404
L.LDL.P	rs193084249	G	A	0.032129	0.175528	0.03126	3.32E-08	0.001582042	30.53583372
L.LDL.P	rs2207132	A	G	0.059698	0.147119	0.024532	3.65E-09	0.001804343	34.83433762

L.LDL.P	rs261334	C	G	0.769329	-0.083509	0.012324	2.63E-11	0.002303178	44.48700261
L.LDL.P	rs2980860	G	A	0.48076	-0.072301	0.010289	4.75E-12	0.002476757	47.84808481
L.LDL.P	rs3741298	T	C	0.771465	-0.080968	0.012205	6.76E-11	0.002207529	42.63540539
L.LDL.P	rs629301	T	G	0.783555	0.129755	0.012405	7.79E-25	0.005479915	106.1853251
L.LDL.P	rs635634	T	C	0.20054	0.077547	0.012824	2.71E-09	0.001834378	35.4152722
L.LDL.P	rs6756629	A	G	0.081568	-0.129176	0.018799	1.38E-11	0.00236856	45.75289239
L.LDL.P	rs73066442	G	A	0.249027	0.072751	0.011947	2.1E-09	0.00186011	35.91297534
L.LDL.P	rs7412	T	C	0.055504	-0.558979	0.025776	4.52E-101	0.023361388	460.9661065
L.LDL.P	rs79225634	T	C	0.353218	0.090415	0.010808	1.88E-16	0.003508251	67.84553293
L.LDL.P	rs934197	A	G	0.284745	0.115746	0.011466	3.03E-23	0.005105572	98.89438594
L.LDL.PL	rs11591147	T	G	0.030715	-0.505262	0.034777	1.47E-46	0.009481699	206.2674133
L.LDL.PL	rs142130958	A	G	0.105485	-0.231537	0.016366	3.1E-44	0.008992014	195.5180135
L.LDL.PL	rs193084249	G	A	0.032129	0.173075	0.031279	4.89E-08	0.001380177	29.7811614
L.LDL.PL	rs2207132	A	G	0.059698	0.144336	0.024547	6.75E-09	0.001558387	33.63254421
L.LDL.PL	rs261334	C	G	0.775257	-0.08136	0.011944	1.87E-11	0.00209097	45.15064046
L.LDL.PL	rs3741298	T	C	0.778174	-0.077936	0.011803	7.54E-11	0.001964589	42.41629914
L.LDL.PL	rs629301	T	G	0.779779	0.12018	0.011929	2.97E-23	0.004569112	98.9071438
L.LDL.PL	rs635634	T	C	0.198434	0.078644	0.012373	3.7E-10	0.001820597	39.30178567
L.LDL.PL	rs6756629	A	G	0.078233	-0.133698	0.018212	4.57E-13	0.002428027	52.44647292
L.LDL.PL	rs73066442	G	A	0.245779	0.075227	0.011459	9.67E-11	0.001942053	41.92877973
L.LDL.PL	rs7412	T	C	0.056112	-0.551553	0.025105	3.97E-104	0.021556685	474.7372145
L.LDL.PL	rs79225634	T	C	0.337008	0.083487	0.010474	3.89E-15	0.002861882	61.84481997
L.LDL.PL	rs934197	A	G	0.287213	0.113064	0.01098	3.21E-24	0.004772676	103.3348143
L.VLDL.C	rs10889331	T	G	0.693034	0.086319	0.011789	3.81E-13	0.002480787	52.80553953
L.VLDL.C	rs1260326	C	T	0.639165	-0.089123	0.010287	8.49E-18	0.003471442	73.96590022
L.VLDL.C	rs34482346	C	G	0.120914	-0.128238	0.015396	1.44E-16	0.003209268	68.36178503
L.VLDL.C	rs438811	T	C	0.233745	0.09405	0.012173	1.82E-14	0.002761641	58.80031224
L.VLDL.C	rs72999033	T	C	0.059375	-0.149568	0.021148	2.31E-12	0.00231458	49.25948654
L.VLDL.C	rs76975037	A	C	0.087141	-0.147945	0.017556	6.37E-17	0.003284783	69.97565537
L.VLDL.C	rs9472125	T	C	0.166066	-0.09302	0.016265	1.41E-08	0.001514148	32.19865727
L.VLDL.C	rs964184	C	G	0.861792	-0.213831	0.01408	2.7E-51	0.010633833	228.2149701
L.VLDL.CE	rs116843064	A	G	0.029132	-0.195947	0.035302	4.17E-08	0.001584856	30.09338742
L.VLDL.CE	rs1260326	C	T	0.636812	-0.082986	0.010722	2.08E-14	0.003078724	58.5467

L.VLDL.CE	rs1569209	G	T	0.062761	-0.193723	0.021472	4.94E-19	0.004182306	79.6211559
L.VLDL.CE	rs2980860	G	A	0.480838	-0.059865	0.010358	1.13E-08	0.001718353	32.63260163
L.VLDL.CE	rs34482346	C	G	0.120166	-0.126108	0.016022	7.49E-15	0.003184419	60.56307978
L.VLDL.CE	rs483082	T	G	0.229485	0.096496	0.012537	2.88E-14	0.003045058	57.90453447
L.VLDL.CE	rs72999033	T	C	0.061332	-0.148049	0.021539	1.12E-11	0.002429139	46.16376199
L.VLDL.CE	rs77697917	T	C	0.02331	0.213875	0.037272	1.44E-08	0.001693546	32.16070221
L.VLDL.CE	rs964184	C	G	0.857648	-0.218633	0.014601	1.53E-49	0.011483249	220.2283691
L.VLDL.FC	rs10455872	G	A	0.040796	-0.158162	0.028087	2.38E-08	0.001466129	31.18043477
L.VLDL.FC	rs1168041	C	T	0.721564	0.090489	0.011287	1.91E-15	0.002969642	63.25115061
L.VLDL.FC	rs1260326	C	T	0.639168	-0.094592	0.010276	7.17E-20	0.003913427	83.43204252
L.VLDL.FC	rs3812316	G	C	0.124674	-0.124841	0.015244	4.73E-16	0.003098755	66.00971667
L.VLDL.FC	rs41293995	A	C	0.030934	-0.178494	0.03182	2.69E-08	0.001454954	30.94242848
L.VLDL.FC	rs438811	T	C	0.23375	0.092509	0.012171	4.92E-14	0.002669385	56.83878317
L.VLDL.FC	rs72999033	T	C	0.059373	-0.156514	0.021142	2.17E-13	0.002532378	53.9141028
L.VLDL.FC	rs76975037	A	C	0.087147	-0.139798	0.017549	2.87E-15	0.002931986	62.44674276
L.VLDL.FC	rs964184	C	G	0.861797	-0.208882	0.014075	5.18E-49	0.010144574	217.6380226
L.VLDL.L	rs10455872	G	A	0.040796	-0.163487	0.028078	0.000000008	0.001753708	33.30520801
L.VLDL.L	rs11207978	C	T	0.189329	-0.08205	0.013081	5.16E-10	0.002034893	38.65615531
L.VLDL.L	rs115849089	A	G	0.101349	-0.137752	0.017275	2.79E-15	0.003286652	62.51380155
L.VLDL.L	rs1260326	C	T	0.636812	-0.087687	0.010707	4.9E-16	0.003466808	65.95238125
L.VLDL.L	rs16996148	T	G	0.066056	-0.134373	0.020709	1.29E-10	0.00217743	41.36978991
L.VLDL.L	rs34437827	G	A	0.175208	-0.102793	0.013689	1.01E-13	0.002915297	55.4297966
L.VLDL.L	rs483082	T	G	0.229485	0.087802	0.012533	3.91E-12	0.002537674	48.23162514
L.VLDL.L	rs9472125	T	C	0.166066	-0.092682	0.016258	1.63E-08	0.001680867	31.91952645
L.VLDL.L	rs964184	C	G	0.857648	-0.208205	0.014606	2.62E-45	0.010470903	200.6079294
L.VLDL.P	rs115849089	A	G	0.101349	-0.139462	0.017303	2.15E-15	0.003313633	63.02871493
L.VLDL.P	rs1260326	C	T	0.636812	-0.098251	0.010722	1.9E-19	0.00428148	81.51731763
L.VLDL.P	rs2980882	G	A	0.484411	-0.060145	0.01037	1.14E-08	0.001717451	32.61544764
L.VLDL.P	rs439401	C	T	0.691322	0.084263	0.011366	2.96E-13	0.002804163	53.31080859
L.VLDL.P	rs55730499	T	C	0.040951	-0.161095	0.028225	1.94E-08	0.00166306	31.58080939
L.VLDL.P	rs56255430	C	A	0.064574	-0.143769	0.020988	1.57E-11	0.002394324	45.50053303
L.VLDL.P	rs964184	C	G	0.857648	-0.218147	0.014622	7.79E-49	0.011314269	216.9505522
L.VLDL.PL	rs1260326	C	T	0.639169	-0.096815	0.010277	9.13E-21	0.004104367	87.52366176

L.VLDL.PL	rs34437827	G	A	0.183461	-0.095721	0.013229	7.09E-13	0.002423034	51.58296249
L.VLDL.PL	rs4350231	A	G	0.301343	-0.077306	0.010745	9.56E-13	0.002395471	50.99477245
L.VLDL.PL	rs438811	T	C	0.233751	0.094881	0.012171	1.05E-14	0.002811948	59.88574334
L.VLDL.PL	rs56255430	C	A	0.064574	-0.144112	0.020954	8.96E-12	0.002189282	46.59578909
L.VLDL.PL	rs76975037	A	C	0.087149	-0.156154	0.017546	1.06E-18	0.00366356	78.08911195
L.VLDL.PL	rs9472125	T	C	0.165755	-0.095551	0.016614	1.16E-08	0.001531694	32.57849274
L.VLDL.PL	rs964184	C	G	0.861799	-0.210403	0.014078	9.37E-50	0.010302764	221.0775062
L.VLDL.TG	rs10455872	G	A	0.040796	-0.165212	0.028081	5.39E-09	0.00160177	34.07137237
L.VLDL.TG	rs1260326	C	T	0.639169	-0.094208	0.010278	9.83E-20	0.003883988	82.80585998
L.VLDL.TG	rs34346326	C	T	0.172887	-0.110301	0.013161	9.42E-17	0.003247948	69.20142403
L.VLDL.TG	rs4350231	A	G	0.301343	-0.071041	0.010743	5.45E-11	0.002023171	43.05318335
L.VLDL.TG	rs438811	T	C	0.233751	0.089567	0.012171	2.92E-13	0.002504866	53.32941739
L.VLDL.TG	rs72999033	T	C	0.059372	-0.132846	0.021144	4.64E-10	0.001826462	38.85953941
L.VLDL.TG	rs9472125	T	C	0.166066	-0.09079	0.016262	3.08E-08	0.001442532	30.67931566
L.VLDL.TG	rs964184	C	G	0.861799	-0.206307	0.014077	6.99E-48	0.0099026	212.4048717
M.LDL.C	rs112635299	T	G	0.017688	0.23739	0.039692	4.03E-09	0.001604222	34.63778576
M.LDL.C	rs11591147	T	G	0.030715	-0.509737	0.034729	2.83E-47	0.009628438	209.5781488
M.LDL.C	rs12916	C	T	0.424167	0.083511	0.00998	1.86E-16	0.003137772	67.85385372
M.LDL.C	rs142130958	A	G	0.105498	-0.221004	0.016344	2.19E-40	0.008177367	177.7328783
M.LDL.C	rs193084249	G	A	0.032129	0.181752	0.031237	1.04E-08	0.001518805	32.79068485
M.LDL.C	rs2207132	A	G	0.059698	0.13721	0.024516	3.69E-08	0.001404895	30.32792489
M.LDL.C	rs2980875	G	A	0.484526	-0.057881	0.009781	5.86E-09	0.001570477	33.90802833
M.LDL.C	rs3741298	T	C	0.778198	-0.072431	0.011784	1.49E-09	0.001693986	36.57922733
M.LDL.C	rs629301	T	G	0.779766	0.126377	0.011908	1.62E-25	0.005043878	109.2820762
M.LDL.C	rs73066442	G	A	0.245767	0.071475	0.011442	8.03E-10	0.001749811	37.78678655
M.LDL.C	rs7412	T	C	0.056115	-0.564623	0.025081	9.52E-109	0.022511055	496.446354
M.LDL.C	rs76866386	C	T	0.078453	-0.142238	0.018183	1.42E-14	0.002742781	59.28875447
M.LDL.C	rs934197	A	G	0.287222	0.11307	0.010965	3.5E-24	0.004762777	103.1625341
M.LDL.CE	rs112635299	T	G	0.017866	0.245966	0.041611	6.19E-09	0.001751093	33.80450968
M.LDL.CE	rs11591147	T	G	0.030715	-0.506389	0.034749	1.39E-46	0.010601818	206.4968686
M.LDL.CE	rs142130958	A	G	0.101869	-0.230926	0.017222	1.06E-39	0.008981702	174.6550772
M.LDL.CE	rs193084249	G	A	0.032129	0.180624	0.031248	1.32E-08	0.001674819	32.32959241
M.LDL.CE	rs2207132	A	G	0.059698	0.14166	0.024524	1.35E-08	0.001672557	32.28585195

M.LDL.CE	rs2980860	G	A	0.48076	-0.067888	0.010286	8.66E-11	0.002182446	42.14989802
M.LDL.CE	rs34042070	G	C	0.19909	0.072196	0.012869	3.47E-08	0.0015776	30.44996982
M.LDL.CE	rs3741298	T	C	0.771465	-0.083083	0.0122	2.15E-11	0.002323605	44.88247741
M.LDL.CE	rs629301	T	G	0.783555	0.133591	0.012399	3.17E-26	0.005807378	112.5677143
M.LDL.CE	rs6756629	A	G	0.081568	-0.1345	0.018786	1.94E-12	0.002567659	49.60874428
M.LDL.CE	rs73066442	G	A	0.249027	0.06736	0.011945	2.95E-08	0.00159392	30.76546158
M.LDL.CE	rs7412	T	C	0.055504	-0.546228	0.025786	2.04E-96	0.022276891	439.0792833
M.LDL.CE	rs79225634	T	C	0.353218	0.092145	0.010803	5.03E-17	0.003642702	70.45514926
M.LDL.CE	rs934197	A	G	0.284745	0.112747	0.011463	4E-22	0.004841796	93.76021076
M.LDL.L	rs112635299	T	G	0.017866	0.244831	0.041598	7.26E-09	0.001735027	33.49381467
M.LDL.L	rs11591147	T	G	0.030715	-0.500952	0.034735	1.24E-45	0.010378167	202.0950255
M.LDL.L	rs142130958	A	G	0.101869	-0.229639	0.017218	2.82E-39	0.00888163	172.6916835
M.LDL.L	rs193084249	G	A	0.032129	0.180641	0.031238	1.32E-08	0.001674819	32.32959241
M.LDL.L	rs2207132	A	G	0.059698	0.13782	0.024517	3.29E-08	0.001582954	30.55347229
M.LDL.L	rs2980860	G	A	0.48076	-0.071749	0.010282	6.95E-12	0.002438137	47.1001658
M.LDL.L	rs3741298	T	C	0.771465	-0.087547	0.012194	1.71E-12	0.002580474	49.85697699
M.LDL.L	rs629301	T	G	0.783555	0.128508	0.012397	2.22E-24	0.005372818	104.0988774
M.LDL.L	rs6756629	A	G	0.081568	-0.131758	0.018792	5.54E-12	0.002461144	47.54572066
M.LDL.L	rs73066442	G	A	0.249027	0.069766	0.01194	9.31E-09	0.001709973	33.00933927
M.LDL.L	rs7412	T	C	0.055504	-0.541093	0.025783	1.31E-94	0.021855418	430.5864046
M.LDL.L	rs79225634	T	C	0.353218	0.090789	0.0108	1.43E-16	0.003536148	68.38693206
M.LDL.L	rs934197	A	G	0.284745	0.109934	0.011461	4.16E-21	0.004602467	89.10424927
M.LDL.P	rs112635299	T	G	0.017866	0.238776	0.0416	1.67E-08	0.001651148	31.87190708
M.LDL.P	rs11591147	T	G	0.030715	-0.494053	0.034737	1.91E-44	0.010098659	196.5966109
M.LDL.P	rs1367117	A	G	0.284518	0.108697	0.011461	1.12E-20	0.004501273	87.13624634
M.LDL.P	rs142130958	A	G	0.101869	-0.226759	0.017219	2.38E-38	0.008663473	168.412835
M.LDL.P	rs193084249	G	A	0.032129	0.179309	0.031237	1.67E-08	0.001651148	31.87190708
M.LDL.P	rs2207132	A	G	0.059698	0.138541	0.024516	2.77E-08	0.001600249	30.88783288
M.LDL.P	rs2980860	G	A	0.48076	-0.074097	0.01028	1.38E-12	0.00260225	50.27879375
M.LDL.P	rs3741298	T	C	0.771465	-0.091751	0.012192	1.38E-13	0.002836268	54.81319496
M.LDL.P	rs629301	T	G	0.783555	0.125779	0.012398	1.98E-23	0.005149072	99.74133949
M.LDL.P	rs6756629	A	G	0.081568	-0.129336	0.018792	1.32E-11	0.002373068	45.8401768
M.LDL.P	rs73066442	G	A	0.249027	0.070273	0.01194	7.2E-09	0.001735863	33.50998379

M.LDL.P	rs7412	T	C	0.055504	-0.526268	0.025802	1.65E-89	0.020665369	406.6458104
M.LDL.P	rs79225634	T	C	0.353218	0.089802	0.0108	2.98E-16	0.003461288	66.93415669
M.LDL.PL	rs11591147	T	G	0.030715	-0.475228	0.03479	3.64E-41	0.009326483	181.4226833
M.LDL.PL	rs12916	C	T	0.424175	0.081693	0.009984	8.44E-16	0.003355177	64.87527492
M.LDL.PL	rs1367117	A	G	0.287052	0.106094	0.01097	1.86E-21	0.004684723	90.70421699
M.LDL.PL	rs142130958	A	G	0.105496	-0.209703	0.016354	1.77E-36	0.008222698	159.7733904
M.LDL.PL	rs144064722	G	A	0.025283	0.234976	0.034032	1.12E-11	0.002389731	46.16283015
M.LDL.PL	rs193084249	G	A	0.032129	0.180395	0.031254	1.37E-08	0.001671077	32.25722928
M.LDL.PL	rs629301	T	G	0.779767	0.112946	0.011918	1.15E-20	0.004498572	87.08373057
M.LDL.PL	rs6756629	A	G	0.078223	-0.131575	0.0182	1.16E-12	0.002619889	50.6205025
M.LDL.PL	rs73066442	G	A	0.245768	0.071188	0.011446	9.54E-10	0.001939775	37.45405385
M.LDL.PL	rs7412	T	C	0.056114	-0.519393	0.025158	9.76E-92	0.021185401	417.1003092
M.LDL.PL	rs964184	C	G	0.861774	-0.107722	0.014017	4.09E-14	0.002959979	57.21110637
M.VLDL.C	rs1042034	T	C	0.745345	0.108877	0.011169	4.92E-22	0.004312123	93.32437177
M.VLDL.C	rs115849089	A	G	0.107398	-0.163505	0.016666	2.67E-22	0.004368023	94.53948698
M.VLDL.C	rs1168041	C	T	0.721994	0.093668	0.011223	1.43E-16	0.003162916	68.37393496
M.VLDL.C	rs17145738	T	C	0.125425	-0.109965	0.015025	4.33E-13	0.002432819	52.55267193
M.VLDL.C	rs183130	T	C	0.294505	-0.104531	0.011843	2.39E-18	0.00353636	76.47547333
M.VLDL.C	rs2954021	G	A	0.546371	-0.069263	0.009809	2.76E-12	0.002264512	48.90871898
M.VLDL.C	rs3846661	G	A	0.424866	0.065549	0.010007	8.95E-11	0.00194897	42.08037456
M.VLDL.C	rs72836561	T	C	0.024935	0.207536	0.035842	9.94E-09	0.001523443	32.87877051
M.VLDL.C	rs72999033	T	C	0.059269	-0.176128	0.021006	1.04E-16	0.003191967	69.00395068
M.VLDL.C	rs964184	C	G	0.861763	-0.234013	0.01397	8.67E-62	0.012686535	276.8949916
M.VLDL.CE	rs115849089	A	G	0.101403	-0.162836	0.017156	7.89E-21	0.004537065	87.83227905
M.VLDL.CE	rs1168041	C	T	0.727042	0.087015	0.011727	2.52E-13	0.002775039	53.626598
M.VLDL.CE	rs247617	A	C	0.288773	-0.097445	0.011452	4.77E-17	0.003648115	70.56023425
M.VLDL.CE	rs2980860	G	A	0.48076	-0.072499	0.010285	3.61E-12	0.002504611	48.38754246
M.VLDL.CE	rs34482346	C	G	0.120191	-0.100289	0.015912	5.1E-10	0.002003056	38.67837387
M.VLDL.CE	rs429358	C	T	0.168024	0.118848	0.013842	2.5E-17	0.003714016	71.83962391
M.VLDL.CE	rs4296389	T	C	0.320104	-0.106868	0.010975	7.73E-22	0.004774459	92.45000016
M.VLDL.CE	rs72836561	T	C	0.024935	0.210495	0.035857	7.06E-09	0.001737841	33.54824277
M.VLDL.CE	rs72999033	T	C	0.061184	-0.179766	0.021397	1.17E-16	0.00355661	68.7840696
M.VLDL.CE	rs79225634	T	C	0.353218	0.074759	0.010808	9.01E-12	0.002411801	46.59018095

M.VLDL.CE	rs964184	C	G	0.857677	-0.230933	0.014495	1.16E-55	0.012736666	248.6148052
M.VLDL.FC	rs115849089	A	G	0.107442	-0.164554	0.016783	2.74E-22	0.004429445	94.49109547
M.VLDL.FC	rs1168002	G	A	0.69697	0.087809	0.010691	4.2E-16	0.003109459	66.2446754
M.VLDL.FC	rs1260326	C	T	0.63917	-0.098969	0.01027	1.38E-21	0.004279443	91.27742456
M.VLDL.FC	rs12916	C	T	0.42383	0.058794	0.010071	7.44E-09	0.001572217	33.44333186
M.VLDL.FC	rs2980875	G	A	0.484643	-0.06616	0.009862	3.08E-11	0.002075554	44.17229825
M.VLDL.FC	rs72999033	T	C	0.059371	-0.166297	0.021143	6.8E-15	0.002851968	60.74333099
M.VLDL.FC	rs964184	C	G	0.8618	-0.235671	0.014055	6.04E-62	0.012904596	277.65078
M.VLDL.L	rs115849089	A	G	0.101403	-0.169616	0.017137	1.27E-22	0.004959069	96.04249897
M.VLDL.L	rs116843064	A	G	0.029194	-0.204716	0.035	7.32E-09	0.001734198	33.47777884
M.VLDL.L	rs1260326	C	T	0.636562	-0.096239	0.01061	2.98E-19	0.004166125	80.62127542
M.VLDL.L	rs2980860	G	A	0.48076	-0.061803	0.010278	2.75E-09	0.0018329	35.38668112
M.VLDL.L	rs34346326	C	T	0.170382	-0.107984	0.013625	4.64E-15	0.003181543	61.50720321
M.VLDL.L	rs4350231	A	G	0.29648	-0.072845	0.011171	1.13E-10	0.002155506	41.62847826
M.VLDL.L	rs72836561	T	C	0.024935	0.205609	0.035831	0.000000014	0.001668897	32.21507071
M.VLDL.L	rs72999033	T	C	0.061184	-0.160467	0.021383	1.17E-13	0.002853057	55.13857619
M.VLDL.L	rs964184	C	G	0.857677	-0.236007	0.014485	1.99E-58	0.013386398	261.4694133
M.VLDL.P	rs115849089	A	G	0.101403	-0.165353	0.01716	2.04E-21	0.004675283	90.52058563
M.VLDL.P	rs1168041	C	T	0.727042	0.08022	0.011732	1.55E-11	0.00235678	45.52479841
M.VLDL.P	rs116843064	A	G	0.029194	-0.204316	0.035031	8.84E-09	0.001715191	33.11023148
M.VLDL.P	rs1260326	C	T	0.636562	-0.096112	0.010626	4.67E-19	0.004120254	79.72992115
M.VLDL.P	rs34346326	C	T	0.170382	-0.112576	0.013642	4.02E-16	0.003430772	66.34200592
M.VLDL.P	rs439401	C	T	0.691561	0.082477	0.011273	5.39E-13	0.002697761	52.12918843
M.VLDL.P	rs56255430	C	A	0.064408	-0.150404	0.020847	1.12E-12	0.002623454	50.68955569
M.VLDL.P	rs6065904	A	G	0.233223	0.069419	0.012241	2.24E-08	0.001621606	31.30072538
M.VLDL.P	rs6982636	A	G	0.484688	-0.062496	0.010299	2.18E-09	0.001856337	35.83999492
M.VLDL.P	rs72836561	T	C	0.024935	0.206125	0.035851	1.43E-08	0.001666763	32.17380756
M.VLDL.P	rs964184	C	G	0.857677	-0.235056	0.014505	1.62E-57	0.013172487	257.2354232
M.VLDL.PL	rs115849089	A	G	0.107442	-0.167502	0.016797	5.42E-23	0.004579823	97.71378449
M.VLDL.PL	rs116843064	A	G	0.029132	-0.195099	0.035329	4.57E-08	0.001406479	29.91287298
M.VLDL.PL	rs1260326	C	T	0.63917	-0.09786	0.010285	4.48E-21	0.004170208	88.93777141
M.VLDL.PL	rs12916	C	T	0.42383	0.056629	0.010083	2.69E-08	0.001454817	30.94242629
M.VLDL.PL	rs2980875	G	A	0.484643	-0.066595	0.009875	2.44E-11	0.002096981	44.6292628

M.VLDL.PL	rs4350231	A	G	0.301344	-0.084291	0.010758	8.71E-15	0.002829089	60.25465189
M.VLDL.PL	rs6065904	A	G	0.228793	0.067255	0.011796	1.66E-08	0.001498884	31.88107476
M.VLDL.PL	rs72836561	T	C	0.025024	0.202129	0.036062	2.87E-08	0.001448907	30.81654336
M.VLDL.PL	rs72999033	T	C	0.059371	-0.16299	0.021163	2.45E-14	0.002733531	58.21385804
M.VLDL.PL	rs9472125	T	C	0.166066	-0.091925	0.016282	2.28E-08	0.001469909	31.26388502
M.VLDL.PL	rs964184	C	G	0.8618	-0.236196	0.014075	5.01E-62	0.012921914	278.028259
M.VLDL.TG	rs1168001	A	G	0.697347	0.071966	0.010705	2.57E-11	0.002092107	44.52741873
M.VLDL.TG	rs116843064	A	G	0.029132	-0.210239	0.035299	3.44E-09	0.001642709	34.94690012
M.VLDL.TG	rs1260326	C	T	0.639171	-0.094619	0.010282	6.8E-20	0.003917788	83.5371708
M.VLDL.TG	rs439401	C	T	0.690914	0.079744	0.01113	1.17E-12	0.002376623	50.59734004
M.VLDL.TG	rs6065904	A	G	0.228791	0.076963	0.011782	9.11E-11	0.001975761	42.04626959
M.VLDL.TG	rs72999033	T	C	0.059371	-0.138249	0.021156	8.96E-11	0.001977287	42.07880003
M.VLDL.TG	rs77697917	T	C	0.02331	0.208758	0.037284	2.77E-08	0.001452075	30.88546649
M.VLDL.TG	rs79236614	G	C	0.089314	-0.16649	0.017339	1.61E-21	0.004264942	90.97108257
M.VLDL.TG	rs9472125	T	C	0.166066	-0.091301	0.016273	0.000000026	0.001457854	31.0085685
M.VLDL.TG	rs964184	C	G	0.861802	-0.228289	0.01407	2.44E-58	0.012134668	260.8940683
S.LDL.C	rs112635299	T	G	0.017688	0.248558	0.039701	6.59E-10	0.001767912	38.17305669
S.LDL.C	rs11591147	T	G	0.030715	-0.483451	0.034733	6.4E-43	0.008712512	189.4399916
S.LDL.C	rs142130958	A	G	0.105494	-0.207063	0.016348	7.81E-36	0.007219053	156.7309276
S.LDL.C	rs193084249	G	A	0.032129	0.177003	0.031227	2.25E-08	0.001449565	31.28928844
S.LDL.C	rs34042070	G	C	0.201574	0.075904	0.012205	8.55E-10	0.001744385	37.66417503
S.LDL.C	rs4614977	G	C	0.076686	-0.130196	0.018427	3.18E-12	0.002251127	48.63025962
S.LDL.C	rs629301	T	G	0.77977	0.12311	0.011907	1.98E-24	0.004815552	104.2966528
S.LDL.C	rs7412	T	C	0.056114	-0.491776	0.025147	5.52E-83	0.017131135	375.6803171
S.LDL.C	rs934197	A	G	0.287219	0.102767	0.010956	2.18E-20	0.003964585	85.79280218
S.LDL.C	rs964184	C	G	0.861771	-0.10649	0.014018	6.69E-14	0.002602091	56.23178598
S.LDL.L	rs112635299	T	G	0.017866	0.239077	0.041581	1.56E-08	0.001658005	32.00448442
S.LDL.L	rs11591147	T	G	0.030715	-0.461159	0.034751	6.07E-39	0.008803223	171.1536065
S.LDL.L	rs12916	C	T	0.442777	0.086858	0.01032	1.26E-16	0.003549053	68.63740155
S.LDL.L	rs1367117	A	G	0.284518	0.100635	0.011461	5.83E-18	0.003862562	74.72405904
S.LDL.L	rs142130958	A	G	0.101869	-0.215457	0.01722	8.27E-35	0.007829426	152.0714922
S.LDL.L	rs193084249	G	A	0.032129	0.174386	0.031227	3.97E-08	0.001564072	30.1884552
S.LDL.L	rs2980860	G	A	0.48076	-0.076852	0.010275	1.9E-13	0.002803752	54.18301805



S.LDL.L	rs629301	T	G	0.783555	0.115941	0.012397	3.65E-20	0.004380581	84.78960631
S.LDL.L	rs73066442	G	A	0.249027	0.068848	0.011935	0.000000014	0.001668897	32.21507071
S.LDL.L	rs7412	T	C	0.055504	-0.466332	0.025866	2.19E-70	0.016192158	317.174829
S.LDL.L	rs76866386	C	T	0.081622	-0.129426	0.018772	1.2E-11	0.002382734	46.02733796
S.LDL.L	rs964184	C	G	0.857677	-0.122214	0.014555	1.49E-16	0.003531957	68.30559463
S.LDL.P	rs11591147	T	G	0.030715	-0.444171	0.034787	3.37E-36	0.008156825	158.4829003
S.LDL.P	rs1367117	A	G	0.284518	0.098778	0.011466	2.36E-17	0.003719895	71.95376606
S.LDL.P	rs142130958	A	G	0.101869	-0.207927	0.017233	1.67E-32	0.007286368	141.4462306
S.LDL.P	rs2980860	G	A	0.48076	-0.079957	0.010279	1.97E-14	0.003034324	58.6524354
S.LDL.P	rs629301	T	G	0.783555	0.111675	0.012405	8.26E-19	0.00406203	78.59865397
S.LDL.P	rs7412	T	C	0.055504	-0.428737	0.02592	1.44E-59	0.013654248	266.7736151
S.LDL.P	rs76866386	C	T	0.081622	-0.124828	0.018783	6.26E-11	0.002215312	42.78605314
S.LDL.P	rs964184	C	G	0.857677	-0.133456	0.014557	1.89E-19	0.004212624	81.52491383
S.VLDL.C	rs115849089	A	G	0.107412	-0.124614	0.01668	1.55E-13	0.002525543	54.57590536
S.VLDL.C	rs11591147	T	G	0.030715	-0.33771	0.034863	1.04E-21	0.004242497	91.83662933
S.VLDL.C	rs142130958	A	G	0.105495	-0.172682	0.016403	2.38E-25	0.005009149	108.5157795
S.VLDL.C	rs2980875	G	A	0.484523	-0.066648	0.009799	1.81E-11	0.002093249	45.21462499
S.VLDL.C	rs3764261	A	C	0.299039	-0.102518	0.010739	3.97E-21	0.00412005	89.17508037
S.VLDL.C	rs429358	C	T	0.169993	0.138085	0.013393	2.23E-24	0.004804452	104.0599127
S.VLDL.C	rs646776	T	C	0.780066	0.070499	0.011954	5.62E-09	0.001574392	33.9895224
S.VLDL.C	rs6544366	T	G	0.267876	-0.105646	0.010987	2.05E-21	0.004180462	90.48813445
S.VLDL.C	rs79225634	T	C	0.336963	0.078118	0.010472	1.69E-13	0.002517679	54.40554175
S.VLDL.C	rs964184	C	G	0.861772	-0.188319	0.013994	2.3E-40	0.008173637	177.6346704
S.VLDL.FC	rs1042034	T	C	0.745369	0.114961	0.011149	2.39E-24	0.004797669	103.9219393
S.VLDL.FC	rs115849089	A	G	0.107416	-0.151057	0.016658	3.42E-19	0.003712568	80.33005128
S.VLDL.FC	rs13225450	T	C	0.125615	-0.099435	0.014954	5.19E-11	0.001997595	43.14834995
S.VLDL.FC	rs142130958	A	G	0.105498	-0.155888	0.016395	6.07E-21	0.004080865	88.33168081
S.VLDL.FC	rs2980875	G	A	0.484526	-0.072502	0.009787	2.6E-13	0.002478279	53.55699546
S.VLDL.FC	rs3764261	A	C	0.299047	-0.105608	0.010735	2.64E-22	0.004367439	94.56187475
S.VLDL.FC	rs429358	C	T	0.169995	0.138942	0.013387	1.2E-24	0.00486069	105.2936963
S.VLDL.FC	rs59014134	T	C	0.251253	0.076203	0.012571	2.16E-09	0.001660473	35.8543518
S.VLDL.FC	rs72660594	C	T	0.035214	-0.231531	0.028793	2.03E-15	0.002919934	63.12935379
S.VLDL.FC	rs964184	C	G	0.861776	-0.21714	0.013963	3.07E-53	0.010884004	237.2082571

S.VLDL.L	rs1042034	T	C	0.737718	0.111574	0.011596	2.51E-21	0.004654095	90.10844359
S.VLDL.L	rs115849089	A	G	0.101403	-0.165005	0.017145	2.45E-21	0.004656568	90.15653705
S.VLDL.L	rs142130958	A	G	0.101869	-0.139769	0.017268	1.52E-15	0.003295228	63.71228739
S.VLDL.L	rs247617	A	C	0.288773	-0.115584	0.011437	2.31E-23	0.005133311	99.43446712
S.VLDL.L	rs2878419	T	C	0.420065	0.070226	0.010431	3.28E-11	0.002280794	44.05365739
S.VLDL.L	rs2980860	G	A	0.48076	-0.075876	0.010278	3.48E-13	0.002742228	52.99078119
S.VLDL.L	rs429358	C	T	0.168024	0.126422	0.01383	2.11E-19	0.004201379	81.30638291
S.VLDL.L	rs72660594	C	T	0.035214	-0.205359	0.028807	2.15E-12	0.002557223	49.40658903
S.VLDL.L	rs72836561	T	C	0.024935	0.203708	0.035841	2.14E-08	0.0016262	31.3895381
S.VLDL.L	rs964184	C	G	0.857677	-0.228351	0.014488	2E-54	0.012446057	242.8707534
S.VLDL.P	rs1042034	T	C	0.737718	0.110488	0.011597	5.98E-21	0.004565386	88.38304851
S.VLDL.P	rs115849089	A	G	0.101403	-0.171856	0.01714	4.98E-23	0.005054774	97.90543239
S.VLDL.P	rs1168041	C	T	0.727042	0.083428	0.011719	2.28E-12	0.002551262	49.29112625
S.VLDL.P	rs247617	A	C	0.288773	-0.115662	0.011437	2.11E-23	0.00514257	99.61474509
S.VLDL.P	rs2878419	T	C	0.420065	0.066323	0.010431	3.71E-10	0.002035227	39.30084488
S.VLDL.P	rs2980860	G	A	0.48076	-0.0762	0.010276	2.72E-13	0.002767275	53.47614065
S.VLDL.P	rs34346326	C	T	0.170382	-0.096626	0.013634	2.86E-12	0.002528251	48.84542498
S.VLDL.P	rs429358	C	T	0.168024	0.117885	0.013833	4.5E-17	0.003654058	70.67560876
S.VLDL.P	rs72836561	T	C	0.024935	0.209371	0.035835	8.51E-09	0.001719023	33.18433493
S.VLDL.P	rs72999033	T	C	0.061184	-0.161821	0.021389	8.91E-14	0.002880765	55.67560213
S.VLDL.P	rs9472125	T	C	0.166579	-0.09048	0.016115	3.14E-08	0.001587645	30.64415462
S.VLDL.P	rs964184	C	G	0.857677	-0.235014	0.014483	1.34E-57	0.013191846	257.6185289
S.VLDL.PL	rs10402112	A	T	0.101207	-0.139058	0.016959	5.72E-16	0.003036485	65.63250348
S.VLDL.PL	rs1042034	T	C	0.745345	0.114547	0.011156	3.78E-24	0.0047575	103.0094265
S.VLDL.PL	rs115849089	A	G	0.107398	-0.161431	0.016661	1.11E-21	0.004237719	91.70723218
S.VLDL.PL	rs1168041	C	T	0.721994	0.089119	0.011219	4.44E-15	0.0028497	61.58367189
S.VLDL.PL	rs13225450	T	C	0.125609	-0.099031	0.014965	6.46E-11	0.001978503	42.71927732
S.VLDL.PL	rs2980875	G	A	0.484515	-0.074575	0.009795	5.66E-14	0.00261791	56.56140539
S.VLDL.PL	rs3764261	A	C	0.299015	-0.121425	0.010741	6.3E-29	0.005764539	124.9402663
S.VLDL.PL	rs3846661	G	A	0.424866	0.066507	0.010005	5.3E-11	0.001996436	43.10724963
S.VLDL.PL	rs429358	C	T	0.169989	0.115339	0.0134	1.93E-17	0.00334566	72.33764215
S.VLDL.PL	rs964184	C	G	0.861763	-0.220955	0.013967	5.16E-55	0.011261508	245.4382499
S.VLDL.TG	rs115849089	A	G	0.107414	-0.176148	0.016652	1.58E-25	0.005046398	109.3318976

S.VLDL.TG	rs1168041	C	T	0.72198	0.085968	0.011215	3.82E-14	0.002652836	57.33663381
S.VLDL.TG	rs116843064	A	G	0.029194	-0.211441	0.035005	2.49E-09	0.001647722	35.57691636
S.VLDL.TG	rs1260326	C	T	0.638917	-0.099454	0.0102	6.23E-22	0.004289145	92.85506848
S.VLDL.TG	rs2980853	C	A	0.487051	-0.072197	0.009825	4.07E-13	0.002437658	52.67456583
S.VLDL.TG	rs34346326	C	T	0.142653	-0.112532	0.014383	1.14E-14	0.002762904	59.72217148
S.VLDL.TG	rs6065904	A	G	0.228686	0.075779	0.011695	1.6E-10	0.001895753	40.94247898
S.VLDL.TG	rs72836561	T	C	0.024935	0.215165	0.035834	3.08E-09	0.00162854	35.16206792
S.VLDL.TG	rs72999033	T	C	0.059264	-0.154882	0.021006	3.39E-13	0.002454275	53.03451502
S.VLDL.TG	rs9472125	T	C	0.166579	-0.095172	0.016114	5.55E-09	0.001575448	34.01394693
S.VLDL.TG	rs964184	C	G	0.861774	-0.242285	0.013959	7.63E-66	0.013534533	295.7532859
XL.VLDL.L	rs115849089	A	G	0.101403	-0.106434	0.017144	7.89E-10	0.001958959	37.82519605
XL.VLDL.L	rs1168041	C	T	0.727042	0.079193	0.011709	2.13E-11	0.002324552	44.90082056
XL.VLDL.L	rs1260326	C	T	0.636562	-0.084114	0.010621	4.43E-15	0.00318626	61.59868728
XL.VLDL.L	rs34482346	C	G	0.120191	-0.105739	0.015889	4.42E-11	0.002250568	43.46852907
XL.VLDL.L	rs483082	T	G	0.22973	0.086768	0.012425	4.69E-12	0.002478047	47.87306986
XL.VLDL.L	rs72999033	T	C	0.061184	-0.145789	0.021377	1.45E-11	0.002363543	45.65573888
XL.VLDL.L	rs74617384	T	A	0.039885	-0.180214	0.028212	2.53E-10	0.002073943	40.050015
XL.VLDL.L	rs964184	C	G	0.857677	-0.178243	0.014514	4.95E-34	0.007646362	148.4884439
XL.VLDL.P	rs115849089	A	G	0.101349	-0.12298	0.017293	1.79E-12	0.002618304	49.76811676
XL.VLDL.P	rs1168041	C	T	0.726644	0.08195	0.0118	5.78E-12	0.002497354	47.46336479
XL.VLDL.P	rs1260326	C	T	0.636812	-0.087882	0.010711	4.17E-16	0.003483521	66.27145489
XL.VLDL.P	rs16996148	T	G	0.067418	-0.1314	0.022804	1.12E-08	0.001719262	32.64990836
XL.VLDL.P	rs483082	T	G	0.22872	0.086284	0.014107	1.33E-09	0.00193766	36.80547573
XL.VLDL.P	rs74617384	T	A	0.03993	-0.196718	0.028453	7.19E-12	0.002474841	47.03443027
XL.VLDL.P	rs964184	C	G	0.857648	-0.183883	0.014627	1.16E-35	0.008162417	156.0165642
XL.VLDL.PL	rs10455872	G	A	0.041039	-0.170197	0.028482	3.24E-09	0.001648501	35.06373038
XL.VLDL.PL	rs1168041	C	T	0.721566	0.087722	0.011292	1.42E-14	0.002784315	59.29001042
XL.VLDL.PL	rs1260326	C	T	0.639167	-0.090475	0.010281	2.86E-18	0.003571924	76.12170498
XL.VLDL.PL	rs438811	T	C	0.233748	0.091243	0.012175	1.14E-13	0.002591915	55.18234529
XL.VLDL.PL	rs72999033	T	C	0.059374	-0.139765	0.021158	6.03E-11	0.002014063	42.85493723
XL.VLDL.PL	rs76975037	A	C	0.087145	-0.125094	0.017558	1.7E-12	0.002342624	49.86243344
XL.VLDL.PL	rs964184	C	G	0.861796	-0.174288	0.014102	1.8E-34	0.007035594	150.4594025
XL.VLDL.TG	rs10455872	G	A	0.040742	-0.180672	0.027835	1.21E-10	0.00192193	41.48963631

XL.VLDL.TG	rs1168041	C	T	0.722	0.083991	0.0112	1.02E-13	0.002564671	55.40048262
XL.VLDL.TG	rs1260326	C	T	0.638907	-0.093001	0.010194	1.43E-19	0.003794137	82.0598255
XL.VLDL.TG	rs438811	T	C	0.233536	0.080558	0.012846	4.97E-10	0.001794077	38.72466253
XL.VLDL.TG	rs72999033	T	C	0.053134	-0.14446	0.022295	1.3E-10	0.001915433	41.34911805
XL.VLDL.TG	rs964184	C	G	0.861758	-0.178808	0.013982	6.95E-37	0.007443268	161.5753098
XS.VLDL.L	rs115849089	A	G	0.101403	-0.115071	0.017202	4.34E-11	0.002252419	43.50435263
XS.VLDL.L	rs142130958	A	G	0.101869	-0.189235	0.01728	3.73E-27	0.006026274	116.8364099
XS.VLDL.L	rs1883711	C	G	0.05671	0.161785	0.024745	1.17E-10	0.002151984	41.56032358
XS.VLDL.L	rs247617	A	C	0.288773	-0.126084	0.011456	2.05E-27	0.006087506	118.0308376
XS.VLDL.L	rs261334	C	G	0.769329	-0.159116	0.012298	3.02E-37	0.008403587	163.3179746
XS.VLDL.L	rs2980860	G	A	0.48076	-0.082238	0.010298	3.56E-15	0.003208529	62.03059115
XS.VLDL.L	rs629301	T	G	0.783555	0.077484	0.012444	8.47E-10	0.001951792	37.68654843
XS.VLDL.L	rs635634	T	C	0.20054	0.081069	0.012843	4.96E-10	0.00200587	38.73281363
XS.VLDL.L	rs72660594	C	T	0.035214	-0.276038	0.028825	3.82E-21	0.00461118	89.27370835
XS.VLDL.L	rs79225634	T	C	0.353218	0.073398	0.010826	2.37E-11	0.002313729	44.69127684
XS.VLDL.L	rs952275	G	T	0.426607	0.107487	0.010358	1.5E-24	0.005412909	104.8798757
XS.VLDL.L	rs964184	C	G	0.857677	-0.155661	0.014572	6.41E-26	0.005735357	111.1636202
XS.VLDL.P	rs115849089	A	G	0.101403	-0.123524	0.017196	1.52E-12	0.002592436	50.08868692
XS.VLDL.P	rs1883711	C	G	0.05671	0.163623	0.024739	7.4E-11	0.002198368	42.45808293
XS.VLDL.P	rs247617	A	C	0.292299	-0.117264	0.012204	3.03E-21	0.004634855	89.73420056
XS.VLDL.P	rs261334	C	G	0.769329	-0.156877	0.012297	3.36E-36	0.008157129	158.4888556
XS.VLDL.P	rs2980860	G	A	0.48076	-0.08345	0.010295	1.45E-15	0.003300032	63.80547411
XS.VLDL.P	rs635634	T	C	0.20054	0.077137	0.012842	3.33E-09	0.001813596	35.01331409
XS.VLDL.P	rs6511720	T	G	0.099907	-0.186654	0.017328	2.76E-26	0.005821545	112.8439273
XS.VLDL.P	rs6544366	T	G	0.274622	-0.120386	0.011442	3.73E-25	0.00555523	107.6528825
XS.VLDL.P	rs660240	C	T	0.785302	0.074663	0.012487	3.92E-09	0.001797146	34.6951517
XS.VLDL.P	rs72660594	C	T	0.035214	-0.268256	0.028825	5.01E-20	0.00434823	84.16069
XS.VLDL.P	rs79225634	T	C	0.353574	0.06778	0.012026	2.87E-08	0.001596684	30.81889828
XS.VLDL.P	rs964184	C	G	0.857677	-0.16605	0.014562	2.92E-29	0.006522447	126.519289
XS.VLDL.PL	rs11591147	T	G	0.030715	-0.421474	0.034866	9.19E-33	0.007347479	142.6413225
XS.VLDL.PL	rs183130	T	C	0.283421	-0.093587	0.01265	2.99E-13	0.002757654	53.28970538
XS.VLDL.PL	rs1883711	C	G	0.05671	0.167796	0.024739	2.27E-11	0.002318099	44.77588247
XS.VLDL.PL	rs261334	C	G	0.769329	-0.162592	0.012297	7.27E-39	0.008784772	170.7917028

XS.VLDL.PL	rs2980860	G	A	0.48076	-0.072961	0.010301	2.88E-12	0.002527544	48.8317224
XS.VLDL.PL	rs3741298	T	C	0.771465	-0.097015	0.012216	4.86E-15	0.003176825	61.41570328
XS.VLDL.PL	rs4953023	A	G	0.081803	-0.104804	0.018738	3.49E-08	0.001577022	30.43880325
XS.VLDL.PL	rs629301	T	G	0.783555	0.102929	0.012434	3.29E-16	0.003451199	66.7383888
XS.VLDL.PL	rs635634	T	C	0.20054	0.083153	0.012842	1.72E-10	0.002112985	40.80556366
XS.VLDL.PL	rs6511720	T	G	0.099907	-0.220097	0.017323	5.12E-36	0.00811404	157.644793
XS.VLDL.PL	rs7412	T	C	0.055504	-0.385409	0.026019	2.45E-48	0.011014461	214.6236461
XS.VLDL.PL	rs79225634	T	C	0.353218	0.078826	0.010826	7.01E-13	0.002671058	51.61181075
XS.VLDL.PL	rs952275	G	T	0.426607	0.113074	0.010356	4.9E-27	0.005998365	116.2920484
XS.VLDL.TG	rs115849089	A	G	0.101403	-0.156185	0.017183	3.44E-19	0.004151467	80.33643621
XS.VLDL.TG	rs1168041	C	T	0.727042	0.093589	0.011738	4.03E-15	0.003195899	61.78562084
XS.VLDL.TG	rs1883711	C	G	0.05671	0.148584	0.024743	3.32E-09	0.0018139	35.01918096
XS.VLDL.TG	rs247617	A	C	0.288773	-0.115881	0.011459	2.23E-23	0.005136915	99.50463104
XS.VLDL.TG	rs261334	C	G	0.769329	-0.118377	0.012319	2.9E-21	0.004639336	89.82136263
XS.VLDL.TG	rs2878419	T	C	0.420065	0.060999	0.010452	8.99E-09	0.001713496	33.07745954
XS.VLDL.TG	rs34346326	C	T	0.170382	-0.076464	0.013669	3.59E-08	0.001574183	30.38391503
XS.VLDL.TG	rs6511720	T	G	0.099907	-0.144923	0.017355	1.94E-16	0.003505048	67.78337078
XS.VLDL.TG	rs6544366	T	G	0.274622	-0.120608	0.011441	2.9E-25	0.005580973	108.1545298
XS.VLDL.TG	rs964184	C	G	0.857677	-0.216329	0.014525	9.36E-49	0.011112767	216.5607277
XXL.VLDL.L	rs115849089	A	G	0.101349	-0.098306	0.017325	0.000000017	0.001676566	31.8377144
XXL.VLDL.L	rs1260326	C	T	0.636812	-0.074141	0.010731	6.52E-12	0.002484929	47.22662964
XXL.VLDL.L	rs183130	T	C	0.28396	-0.086267	0.012746	1.72E-11	0.002384919	45.32138602
XXL.VLDL.L	rs483082	T	G	0.229485	0.086234	0.012559	8.76E-12	0.002454474	46.64640716
XXL.VLDL.L	rs72999033	T	C	0.061332	-0.121953	0.021584	1.95E-08	0.001662534	31.5708087
XXL.VLDL.L	rs74617384	T	A	0.03993	-0.184018	0.028498	1.37E-10	0.002171239	41.25191979
XXL.VLDL.L	rs964184	C	G	0.857648	-0.15781	0.014664	1.03E-26	0.006019857	114.8156189
XXL.VLDL.P	rs1168041	C	T	0.726644	0.076158	0.011847	1.96E-10	0.0021344	40.55050373
XXL.VLDL.P	rs1260326	C	T	0.636812	-0.086059	0.010776	2.64E-15	0.003292374	62.62299838
XXL.VLDL.P	rs13233571	T	C	0.121349	-0.110524	0.016324	2.04E-11	0.002367335	44.98644228
XXL.VLDL.P	rs17216525	T	C	0.06525	-0.123763	0.020971	5.13E-09	0.001799222	34.17113119
XXL.VLDL.P	rs72654473	A	C	0.081054	0.13247	0.01971	2.85E-11	0.002332884	44.33022718
XXL.VLDL.P	rs74617384	T	A	0.03993	-0.174792	0.028561	1.37E-09	0.001934619	36.74759505
XXL.VLDL.P	rs964184	C	G	0.857966	-0.158553	0.015768	2.38E-23	0.005214741	99.37930492

XXL.VLDL.PL	rs10455872	G	A	0.040742	-0.185866	0.027924	3.69E-11	0.002030097	43.81723303
XXL.VLDL.PL	rs1168002	G	A	0.697519	0.077084	0.010645	6.12E-13	0.002402368	51.87161879
XXL.VLDL.PL	rs1260326	C	T	0.638902	-0.08249	0.010228	1.09E-15	0.002978941	64.35811224
XXL.VLDL.PL	rs35493868	G	C	0.174081	-0.085239	0.013147	1.16E-10	0.001926287	41.57230698
XXL.VLDL.PL	rs483082	T	G	0.232667	0.089533	0.012109	2E-13	0.002504104	54.07381413
XXL.VLDL.PL	rs76975037	A	C	0.087164	-0.103985	0.017463	3.25E-09	0.001624899	35.05729848
XXL.VLDL.PL	rs964184	C	G	0.861748	-0.14901	0.014041	5.09E-26	0.005153853	111.5891091
XXL.VLDL.TG	rs10455872	G	A	0.040742	-0.193641	0.027872	4.82E-12	0.002215018	47.81296263
XXL.VLDL.TG	rs1168041	C	T	0.722016	0.077153	0.011214	7.72E-12	0.002172242	46.88760286
XXL.VLDL.TG	rs1260326	C	T	0.6389	-0.093488	0.010205	8.01E-20	0.00384853	83.20987136
XXL.VLDL.TG	rs13233571	T	C	0.12297	-0.094367	0.015189	6.4E-10	0.00177187	38.23026979
XXL.VLDL.TG	rs483082	T	G	0.232665	0.0972	0.012085	1.24E-15	0.002967458	64.10333647
XXL.VLDL.TG	rs72999033	T	C	0.059278	-0.126194	0.021012	2.31E-09	0.001655874	35.72335707
XXL.VLDL.TG	rs77729186	G	A	0.092132	-0.115943	0.016928	9.54E-12	0.002153024	46.47188605
XXL.VLDL.TG	rs964184	C	G	0.861745	-0.152903	0.014006	1.77E-27	0.005461946	118.2854515