


ORIGINAL RESEARCH

Association of Established Blood Pressure Loci With 10-Year Change in Blood Pressure and Their Ability to Predict Incident Hypertension

Alaitz Poveda , PhD; Naeimeh Atabaki-Pasdar, MS; Shafqat Ahmad, PhD; Göran Hallmans, MD, PhD; Frida Renström, PhD; Paul W. Franks, PhD

BACKGROUND: Genome-wide association studies have identified >1000 genetic variants cross-sectionally associated with blood pressure variation and prevalent hypertension. These discoveries might aid the early identification of subpopulations at risk of developing hypertension or provide targets for drug development, amongst other applications. The aim of the present study was to analyze the association of blood pressure-associated variants with long-term changes (10 years) in blood pressure and also to assess their ability to predict hypertension incidence compared with traditional risk variables in a Swedish population.

METHODS AND RESULTS: We constructed 6 genetic risk scores (GRSs) by summing the dosage of the effect allele at each locus of genetic variants previously associated with blood pressure traits (systolic blood pressure GRS (GRS_{SBP}): 554 variants; diastolic blood pressure GRS (GRS_{DBP}): 481 variants; mean arterial pressure GRS (GRS_{MAP}): 20 variants; pulse pressure GRS (GRS_{PP}): 478 variants; hypertension GRS (GRS_{HTN}): 22 variants; combined GRS (GRS_{comb}): 1152 variants). Each GRS was longitudinally associated with its corresponding blood pressure trait, with estimated effects per GRS SD unit of 0.50 to 1.21 mm Hg for quantitative traits and odds ratios (ORs) of 1.10 to 1.35 for hypertension incidence traits. The GRS_{comb} was also significantly associated with hypertension incidence defined according to European guidelines (OR, 1.22 per SD; 95% CI, 1.10–1.35) but not US guidelines (OR, 1.11 per SD; 95% CI, 0.99–1.25) while controlling for traditional risk factors. The addition of GRS_{comb} to a model containing traditional risk factors only marginally improved discrimination (Δ area under the ROC curve = 0.001–0.002).

CONCLUSIONS: GRSs based on discovered blood pressure-associated variants are associated with long-term changes in blood pressure traits and hypertension incidence, but the inclusion of genetic factors in a model composed of conventional hypertension risk factors did not yield a material increase in predictive ability.

Key Words: association ■ blood pressure ■ genetics ■ hypertension ■ incidence ■ prediction

High blood pressure is the leading risk factor for coronary artery disease, cerebrovascular disease, kidney disease, and heart failure^{1–3} and causes around 13% of all deaths worldwide.⁴ Blood pressure is influenced by age, sex, lifestyle (eg, smoking, alcohol, physical activity, and obesity) and genetic

factors.^{5–8} More than 1000 genetic variants have been associated with blood pressure variation and hypertension in cross-sectional analyses.^{9–12} However, few studies have analyzed the association of genetic variants in relationship to longitudinal changes in blood pressure or incident hypertension,^{13–17} and those that

Correspondence to: Alaitz Poveda, PhD, Department of Clinical Sciences, Clinical Research Centre, Jan Waldenströms gata 35, Building 60, Floor 13, Skåne University Hospital, SE-20502 Malmö, Sweden. E-mail: alaitz.poveda@med.lu.se

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CLINICAL PERSPECTIVE

What Is New?

- Genetic variants discovered in blood pressure Genome Wide Association Studies showed a significant association with long-term blood pressure changes.
- The addition of a set of genetic variants to traditional risk factors does not materially improve the accuracy on the prediction of future hypertension.

What Are the Clinical Implications?

- A genetic risk score based on cross-sectionally associated blood pressure genetic variants was also associated with a longitudinal effect on blood pressure but it did not significantly enhance predictions of incident hypertension obtained from traditional risk factor models.

Nonstandard Abbreviations and Acronyms

AHA	American Heart Association
AUC	area under the ROC curve
BMI	body mass index
CADM2	cell adhesion molecule 2 gene
DBP	diastolic blood pressure
GLACIER	GenexLifestyle Interactions and Complex Traits Involved in Elevated Disease Risk
GRS	genetic risk score
GWAS	Genome Wide Association Study
HTN-EUR	hypertension according to European guidelines
HTN-US	hypertension according to US guidelines
MAP	mean arterial pressure
OR	odds ratio
PP	pulse pressure
SBP	systolic blood pressure

did focused on small subsets of all known blood pressure-associated loci.

Genetic markers that allow early detection of people at risk of developing hypertension might be clinically relevant if they facilitate the identification of subpopulations in need of early monitoring and/or intervention. Previous prospective studies have evaluated the improvement on the predicted ability of hypertension incidence of a set of genetic variants but this has not been reported for the corpus of blood pressure loci. In 2013, a Swedish study showed that

a genetic risk score (GRS) composed of 29 blood pressure-associated single nucleotide polymorphisms marginally improved the predictive ability of a set of anthropometric, clinical, socioeconomic, and lifestyle variables on hypertension incidence, from an area under the ROC curve (AUC) of 0.662 for non-genetic factors to an AUC of 0.664 for the joint model.¹³ In the same year, a study conducted in 32 669 Finnish individuals showed that a GRS constructed on 32 genetic variants associated with systolic and diastolic blood pressure (SBP and DBP, respectively) did not significantly improve cardiovascular disease risk discrimination over the Framingham risk score variables.¹⁸ Another study in a Korean population showed that a GRS composed of 4 single nucleotide polymorphisms did not substantially improve the accuracy to predict incident hypertension when added to a model composed of traditional risk factors (Δ AUC=0.001).¹⁷

The aims of the present study were: (1) to assess the association of previously identified blood pressure-associated loci with long-term (10-year) changes in blood pressure traits and (2) to examine the predictive ability of these genetic variants in relation to well-known predictors of incident hypertension. The current analyses were performed within the context of a European Research Council project called Novel Approaches to Systematically Characterise Exercise and Nutrient-Responsive Genes in Type 2 Diabetes and Cardiovascular Disease (NASCENT).

METHODS

To conform to informed consent requirements, applications for access to individual level data must first be reviewed and approved by the Northern Sweden Biobank. Further information about the application process can be obtained from Ms. Åsa Ågren (asa.agren@umu.se).

Study Participants

The analyses were conducted in the GLACIER (GenexLifestyle Interactions and Complex Traits Involved in Elevated Disease Risk) study cohort (N ≈19 000), which is nested within the Västerbotten Health Survey (*Västerbottens hälsoundersökning; VHU*),^{19,20} a prospective, population-based cohort study based in the population of Västerbotten in Northern Sweden. In VHU, residents within the county have since 1985 been invited to attend a comprehensive health examination within the years of their 40th, 50th, and 60th birthdays. Initially, residents aged 30 years were also invited, but this was later discontinued. For the present analyses, 4603 GLACIER participants had available genotype and baseline blood pressure data and,

of these, 3925 participants had 10-year follow-up data available. Baseline examinations were performed between 1989 to 2001 and follow-up examinations between 2000 to 2011. All participants provided written informed consent and the study was approved by the Regional Ethical Review Board in Umeå, Sweden.

Blood Pressure Phenotypes

Clinical measures in the GLACIER study are described in detail elsewhere.¹⁹ SBP and DBP assessed before September 2009 were obtained once, after 5-minute rest, with the participant in a recumbent position. Thereafter, blood pressures were measured twice with the participant seated; the average of these 2 values being used in analyses. Thus, validated conversion algorithms were used to align the blood pressure measurements taken before and after September 2009.²¹ Mean arterial pressure (MAP) is defined as the average pressure throughout the cardiac cycle and was calculated as $1/3(\text{SBP})+2/3(\text{DBP})$. Pulse pressure (PP), which is a proxy for arterial stiffness, was also calculated ($\text{PP}=\text{SBP}-\text{DBP}$). According to hypertension definitions provided by the American College of Cardiology and the American Heart Association (AHA),²² participants were defined as having hypertension according to US guidelines (HTN-US) if they satisfied at least 1 of the 3 following criteria: (1) being on antihypertensive treatment, (2) $\text{SBP} \geq 130$ mm Hg or (3) $\text{DBP} \geq 80$ mm Hg. As hypertension definition is slightly different in European 2018 Guidelines²³ a second hypertension phenotype (HTN-EUR) was created following these thresholds. In this case, participants were categorized as hypertensive if (1) they were on antihypertensive treatment, (2) their SBP was ≥ 140 mm Hg or (3) their DBP was ≥ 90 mm Hg. Participants using blood pressure lowering medication were excluded from the association analyses where SBP, DBP, PP, or MAP were the outcomes.

Traditional Risk Factors

Prediction algorithms for hypertension typically include the following predictor variables: age, sex, body mass index (BMI), blood pressure, glycemic variables, smoking, and physical activity.²⁴ These predictors were also included in the current prediction analyses and were considered “traditional” risk factors. Weight (to the nearest 0.1 kg) and height (to the nearest 1 cm) were measured with a calibrated balance-beam scale and a wall-mounted stadiometer, respectively, with participants wearing indoor clothing without shoes. BMI was calculated as $\text{weight (kg)}/\text{height (m)}^2$. Plasma glucose was measured with a Reflotron bench-top analyzer (Roche Diagnostics Scandinavia, Umeå, Sweden) in capillary blood after

an overnight fast and 2 hours later following the administration of a standard 75 g oral glucose load. In prediction analyses including fasting and 2 hours glucose, a variable indicating the duration of fasting was added to the model; among the participants included in the prediction analyses, 94% had fasted for a minimum of 8 hours before the baseline visit. Participants using antihyperglycemic medications were excluded from the prediction analyses. Smoking status was assessed using a self-administered questionnaire that participants completed at the time of the health examination; participants were categorized as “current smokers,” “former smokers,” “non-smokers,” “occasional smokers,” and “former occasional smokers.” Leisure time physical activity during the past 3 months was assessed through a modified version of the International Physical Activity Questionnaire^{25,26} and categorized as “never,” “occasionally,” “1 to 2 times/week,” “2 to 3 times/week,” or “>3 times/week.” Both smoking status and leisure time physical activity were treated as categorical variables.

Genotyping and Imputation

DNA was extracted from peripheral white blood cells. Genotyping was performed using Illumina’s Infinium HumanCore-24v1.1 BeadChip genotyping array²⁷ at SciLife Lab, Uppsala, Sweden. Quality control of the genotyped data was conducted following published recommendations.^{28,29} Following these recommendations, related participants with identity by descent values >0.1875 ($n=440$ participants) were excluded.

The genotype data were subsequently imputed using the 1000 Genome imputation panel³⁰ on the Michigan imputation server (<https://imputationserver.sph.umich.edu>).³¹

Genetic Risk Scores

A review of the published literature on GWAS (Genome Wide Association Studies) for blood pressure traits (ie, SBP, DBP, MAP, PP, and hypertension) was performed to find loci associated at a genome-wide level of statistical significance in European ancestry populations with the index traits. A total of 1405 genetic variants was obtained from 22 different papers published until the end of 2018^{9–12,32–49} (Table S1). Of all the reviewed studies, multiple blood pressure-associated variants within single loci were identified using LDlink⁵⁰; to maximize the efficiency of subsequent analyses, we selected the variant with the highest functionality score from each block of variants (defined as those in linkage disequilibrium at $r^2 > 0.8$) using 3DSNP.⁵¹ In 3DSNP, each variant is scored based on data on 6 functional categories (ie, 3-dimensional interacting genes, enhancer state,

promoter state, transcription factor binding sites, sequence motifs altered, and conservation score). This score quantitatively measures the functionality of the genetic variants, which helps select important variants from a large pool. The obtained subset totaled 1226 genetic variants, 1177 of them being present in the GLACIER 1000 Genome-imputed genetic data set. Twenty-two variants were excluded owing to: (1) deviations from Hardy-Weinberg expectations ($P < 1E-06$), (2) a minor allele frequency $< 1\%$ and/or (3) having an imputation quality score < 0.3 . Three variants were also excluded as their alleles in the GLACIER data set did not match with the ones in the literature review. Thus, 1152 variants passed the quality control steps and were used to construct the genetic risk scores (GRS) used in the subsequent association and prediction analyses described below.

Five unweighted GRSs were generated by summing the dosage of the effect allele (ie, the allele associated with a higher blood pressure value or increased risk of hypertension) at each established locus for: (1) SBP (GRS_{SBP}: 554 variants), (2) DBP (GRS_{DBP}: 481 variants), (3) MAP (GRS_{MAP}: 20 variants), (4) PP (GRS_{PP}: 478 variants) and (5) hypertension (GRS_{HTN}: 22 variants). In addition, a sixth GRS including all the genetic variants associated with any of the 5 blood pressure traits was created (GRS_{comb}: 1152 variants). All the GRSs generated in this article were unweighted (ie, the magnitude of the effect of each genetic variant was not considered in their construction). To properly weight the GRSs in the present article we would need a set of coefficients from previous studies aiming to test the association of genetic variants with change in blood pressure over time, as the main aim of the present analyses is focused on longitudinal effects of the genetic variables. However, such coefficients are not available at the moment as the original GWAS analyses from which the genetic variants were extracted were cross-sectional analyses. The minimum theoretical value of all 6 GRSs is 0 and the maximum theoretical values are 1108 for GRS_{SBP}, 962 for GRS_{DBP}, 40 for GRS_{MAP}, 956 for GRS_{PP}, 44 for GRS_{HTN} and 2304 for GRS_{comb}. A participant with the maximum theoretical value of a GRS would have 2 effect alleles for all the genetic variants included in each GRS. The population distribution of the number of blood pressure increasing alleles is normally distributed, as each genetic variant is inherited independently. Of note, the probability that anyone carries all or none of the risk alleles within a GRS of this nature is vanishingly small (Figure S1); indeed, the ranges of values for the 6 GRSs in the GLACIER cohort are: GRS_{SBP}=500 to 608, GRS_{DBP}=451 to 547, GRS_{MAP}=12 to 32, GRS_{PP}=415 to 513, GRS_{HTN}=14 to 34, and GRS_{comb}=1065 to 1232. Two genetic variants (rs169287 and rs78378222) showed discordant effect alleles for DBP and PP. The effect allele associated with

DBP was selected when creating the GRS_{comb} and the effect allele associated with each trait was selected to create GRS_{DBP} and GRS_{PP}.

Statistical Analysis

All statistical analyses were performed in *R* (version 3.4.1).⁵²

Association Analyses

Generalized linear regression models were used to test the association of the GRSs and individual genetic variants (assuming an additive mode of inheritance) with the corresponding blood pressure traits. A generalized linear regression model with a binomial family specification and a logit link function was used when the outcomes of interest were binary (eg, hypertension incidence) while a generalized linear regression model with a gaussian family and an identity link was used when outcomes were continuous variables (eg, SBP). In cross-sectional analyses, the baseline blood pressure measure or hypertension prevalence was used as the dependent variable and the models were adjusted for baseline values of age, age², sex, BMI, and first 4 genetic principal components for genetic markers accounting for population substructure. In longitudinal analyses of continuous blood pressure traits, change in blood pressure was modeled using the follow-up measurement of the blood pressure trait as the dependent variable, while adjusting the model for the respective trait's baseline value:

$$\begin{aligned} \gamma_F = & \alpha + \beta_1 \text{genetic variant/GRS} + \beta_2 \gamma_B + \beta_3 \text{age}_B \\ & + \beta_4 \text{age}_B^2 + \beta_5 \text{sex} + \beta_6 \text{followup duration} \\ & + \beta_7 \text{BMI}_{\text{average}} + \beta_{8-11} \text{PC}_{1-4} + \varepsilon \end{aligned}$$

where γ_F represents a blood pressure trait at follow-up and γ_B at baseline, α is the intercept, β_i represent the estimated effect size parameters for each corresponding variable, age_B is the age at baseline, $\text{BMI}_{\text{average}}$ is the average between baseline and follow-up values of BMI, PC1-4 are the first 4 principal components, and ε represents error. This model was chosen over the delta model (ie, follow-up value minus baseline value as dependent variable) as the follow-up blood pressure value varies as a function of the baseline blood pressure measurement (ie, participants with higher baseline blood pressure values will presumably have higher blood pressure values in the follow-up compared with participants with lower baseline blood pressure values), which requires the baseline blood pressure measurement to appear in the right-hand side of the equation.⁵³ In the longitudinal models for the hypertension phenotypes, the prevalent cases of hypertension were excluded and incident hypertension (ie, hypertension

yes/no at the 10-year follow-up visit) was used as the dependent variable. The models were adjusted for age, age², sex, follow-up duration, average BMI (of the BMI measured at the baseline and follow-up visit), and the first 4 genetic principal components. The Benjamini and Hochberg⁵⁴ false discovery rate (FDR) was used to correct for multiple testing. All GRSs were standardized by subtracting each trait's mean value and dividing by its SD. The coefficients obtained in the cross-sectional and longitudinal analyses for each of the genetic variants were paired and compared using a dependent samples sign test in the BSDA⁵⁵ package to test for differences between longitudinal and cross-sectional genetic effects.

Analyses Assessing Predictive Ability

For each of the hypertension phenotypes, participants defined as having hypertension at baseline were excluded for these analyses and the predictive abilities of 3 models (a genetic model, a traditional risk factor model, and a joint model) for incident hypertension were assessed using logistic regression analyses. The genetic model included baseline age, baseline age², sex, follow-up duration, and GRS_{comb} as predictor variables; the traditional risk factor model included the baseline values (where relevant) for age, age², sex, follow-up duration, BMI, fasting and 2 hours glucoses, SBP and DBP, fasting status, smoking status, and leisure time physical activity; the joint model included the variables in the traditional risk factor model plus the GRS_{comb} variable. Age and sex were included in all models as both are strong predictors of hypertension. Continuously distributed traditional risk factors and GRS_{comb} were standardized subtracting the variable mean and dividing by the variable SD to make effect sizes comparable.

To evaluate if there was a statistically significant improvement in the prediction performance by adding blood pressure-associated genetic variants to the traditional risk factors, logistic regression was used to test the statistical significance of the GRS_{comb} regression coefficient while controlling for traditional risk factors, as recommended elsewhere.^{56,57} We also evaluated the magnitude of the improvement by calculating the change in the AUC (Δ AUC) using the pROC⁵⁸ package. According to the literature, there are no valid significance tests Δ AUC when estimates are derived from the same data used to fit the models.⁵⁹ Thus, *P* values of Δ AUC were not calculated. Calibration (ie, over- or under-estimation of the predicted responses relative to the observed responses) was evaluated by comparing predicted probabilities and observed probabilities using calibration plots. Internal validation of discrimination and calibration was performed using bootstrapping analysis on the logistic regression with 1500 iterations in the rms package.⁶⁰ For discrimination analyses, a

corrected discrimination index value was obtained that was transformed to the corrected AUC value.

Underlying GRS \times environment interactions were assessed following the method describe in a previous article.⁶¹ For that purpose, continuous blood pressure traits were initially adjusted for their covariates and the residuals were standardized by an inverse-normal transformation. Thereafter, the standardized residuals were regressed on the GRS corresponding to each trait to test for association of the GRS with trait variability. Besides, as we hypothesized that genetic factors could exert a different effect specially depending on sex, age, BMI, and baseline blood pressure, these specific interactions were tested by adding the following interaction terms to the joint model: GRS_{comb} \times sex, GRS_{comb} \times age, GRS_{comb} \times BMI, GRS_{comb} \times SBP and GRS_{comb} \times DBP.

RESULTS

Participant characteristics are summarized in Table S2 and Figure S2 displays the delta blood pressure values by quartiles of the GRSs. At baseline, 2548 participants were classified as having hypertension according to US guidelines (HTN-US) and 1183 according to European guidelines (HTN-EUR). During the 10-year follow-up (mean=9.9 \pm 0.4 years), 42.7% and 28.1% of the cohort that was initially not classified as hypertensive according to US and European guidelines, respectively, developed hypertension. A statistically significant (*P*<0.0001) overall increase in all 4 continuous blood pressure traits (SBP, DBP, PP, and MAP) was observed from baseline to follow-up.

Association Analyses

Continuous Blood Pressure Traits

All GRSs (ie GRS_{SBP}, GRS_{DBP}, GRS_{MAP} and GRS_{PP}) were positively associated with 10-year changes in their respective traits (Table 1 and Table S3). Differences of 1 SD in each GRS were associated with a 1.21, 0.81, 0.50, and 0.97 mm Hg increase in SBP, DBP, MAP, and PP per decade follow-up, respectively. Average BMI and baseline blood pressure measurement were also significantly associated with increases in SBP, DBP, MAP, and PP (Table S3). Compared with those participants in first GRS quartiles, participants in the fourth quartiles of the GRSs had 3.58, 1.90, 1.55, and 2.06 mm Hg greater increases in SBP, DBP, MAP, and PP per decade follow-up, respectively (Figure 1). In individual genetic variant analyses (Tables S4 through S7), 1 variant (rs62250714) showed a significant longitudinal association with PP after multiple-test correction (β =1.17 mm Hg per allele per 10-year follow-up, SE=0.28, *P*_{FDR}=1.61E-02) (Table S7). The same

Table 1. Cross-Sectional and Longitudinal Associations of the Trait-Specific GRSs for Blood Pressure Traits

Phenotypes	Cross-Sectional Analysis				Longitudinal Analysis			
	n	Beta or OR (Per 1 SD)	95% CI	P Value	n	Beta or OR (Per 1 SD per decade)	95% CI	P Value
SBP, mm Hg	4354	2.49	2.07–2.92	<2E-16	3626	1.21	0.73–1.68	5.68E-07
DBP, mm Hg	4354	1.58	1.29–1.86	<2E-16	3626	0.81	0.52–1.10	5.00E-08
MAP, mm Hg	4354	0.85	0.54–1.16	6.09E-08	3626	0.50	0.19–0.81	1.39E-03
PP, mm Hg	4353	1.17	0.86–1.47	9.53E-14	3623	0.97	0.61–1.32	1.54E-07
HTN-US (GRS _{HTN})	4603	1.16	1.09–1.24	1.85E-06	2054	1.12	1.02–1.23	1.36E-02
HTN-US (GRS _{comb})	4603	1.35	1.27–1.44	<2E-16	2054	1.20	1.10–1.32	1.04E-04
HTN-EUR (GRS _{HTN})	4603	1.21	1.13–1.30	1.64E-07	3418	1.10	1.02–1.19	1.53E-02
HTN-EUR (GRS _{comb})	4603	1.45	1.35–1.56	<2E-16	3418	1.35	1.25–1.47	2.84E-13

The covariates for the cross-sectional regression model were: baseline values of age, age², and BMI, plus sex, and the first 4 genetic principal components. The covariates for the longitudinal regression model were: baseline values of age, age², and the dependant variable, plus sex, follow-up duration, average BMI between the 2 visits, and the first 4 genetic principal components. DBP indicates diastolic blood pressure; GRS, genetic risk score; GRS_{comb}, GRS including all the genetic variants associated with any blood pressure trait; GRS_{HTN}, hypertension GRS; HTN-US, hypertension according to US guidelines; HTN-EUR, hypertension according to European guidelines; MAP, mean arterial blood pressure; OR, odds ratio; PP, pulse pressure; and SBP, systolic blood pressure.

genetic variant showed a nominally significant association with long-term change in SBP ($P=4.92E-04$; Table S4). In addition, 27 other SBP-associated genetic variants, 34 DBP-associated variants, 1 MAP-associated variant, and 32 PP-associated variants were nominally associated with long-term changes in their respective trait (Tables S4 through S7). The genetic effects on baseline (cross-sectional) blood pressure differed significantly from the effects on change in blood pressure during follow-up (longitudinal) for SBP ($P=2E-03$) and DBP ($P=2.2E-02$) but not for MAP ($P=0.82$) and PP ($P=0.61$).

Hypertension

GRS_{HTN} and GRS_{comb} were both significantly associated with incidence of the 2 hypertension phenotypes. GRS_{HTN} was associated with a 12% increase in the odds of developing hypertension according to US guidelines and 10% according to European guidelines; while GRS_{comb} associated with increases of 20% for HTN-US and 35% for HTN-EUR (Table 1). Participants in the highest quartile of the GRS_{comb} had roughly twice the odds of developing HTN-EUR (OR, 2.28; 95% CI, 1.82, 2.86) compared with those in the lowest quartile (Figure 2B), while the OR of developing HTN-US in the highest versus lowest quartile is 1.48 (95% CI, 1.13–1.94; Figure 2A). Fifty-six genetic variants were nominally associated with incidence of HTN-US (Table S8) and 64 with incidence of HTN-EUR (Table S9), 6 of these variants being associated with both hypertension traits.

Contribution of GRS_{comb} to Hypertension Prediction

To evaluate if the predictive ability of incident hypertension improves with the inclusion of genetic risk variants,

we tested the significance of the GRS_{comb} variable when added to the traditional model (Figure 3; Tables S10 and S11). The GRS_{comb} variable significantly contributed to the risk of HTN-EUR incidence while controlling for the traditional risk factors (OR, 1.22 per SD; 95% CI, 1.10, 1.35). The estimated effect of GRS_{comb} was comparable in magnitude with that of DBP and was larger than the estimated effect of BMI and fasting or 2 hours glucose (Figure 3C; Table S11). HTN-EUR incidence increased across deciles of GRS_{comb}, from 19% in the lowest decile to 34% in the highest decile (Figure 3D). However, the GRS_{comb} variable did not significantly contribute to the risk of HTN-US incidence (Figure 3A; Table S10).

Discrimination

After internal validation using bootstrapping, the traditional risk factor model showed higher predictive accuracy of incident hypertension (AUCs=0.721 for HTN-US and 0.764 for HTN-EUR) than the genetic model (AUCs=0.649 for HTN-US and 0.653 for HTN-EUR) (Table 2). The AUCs of the traditional risk factor models were not materially improved when adding the genetic factors for any of the hypertension incidence phenotypes (joint model AUCs=0.722 for HTN-US and 0.766 for HTN-EUR; Δ AUC=0.001–0.002).

Calibration

Calibration was assessed using calibration plots (Figure 4), which were internally validated through bootstrapping. A slope of 1 and an intercept of 0 represent perfect calibration. After internal validation, the *joint model* showed calibration slopes of 0.913 and 0.949 and intercepts of -0.023 and -0.037 for HTN-US and

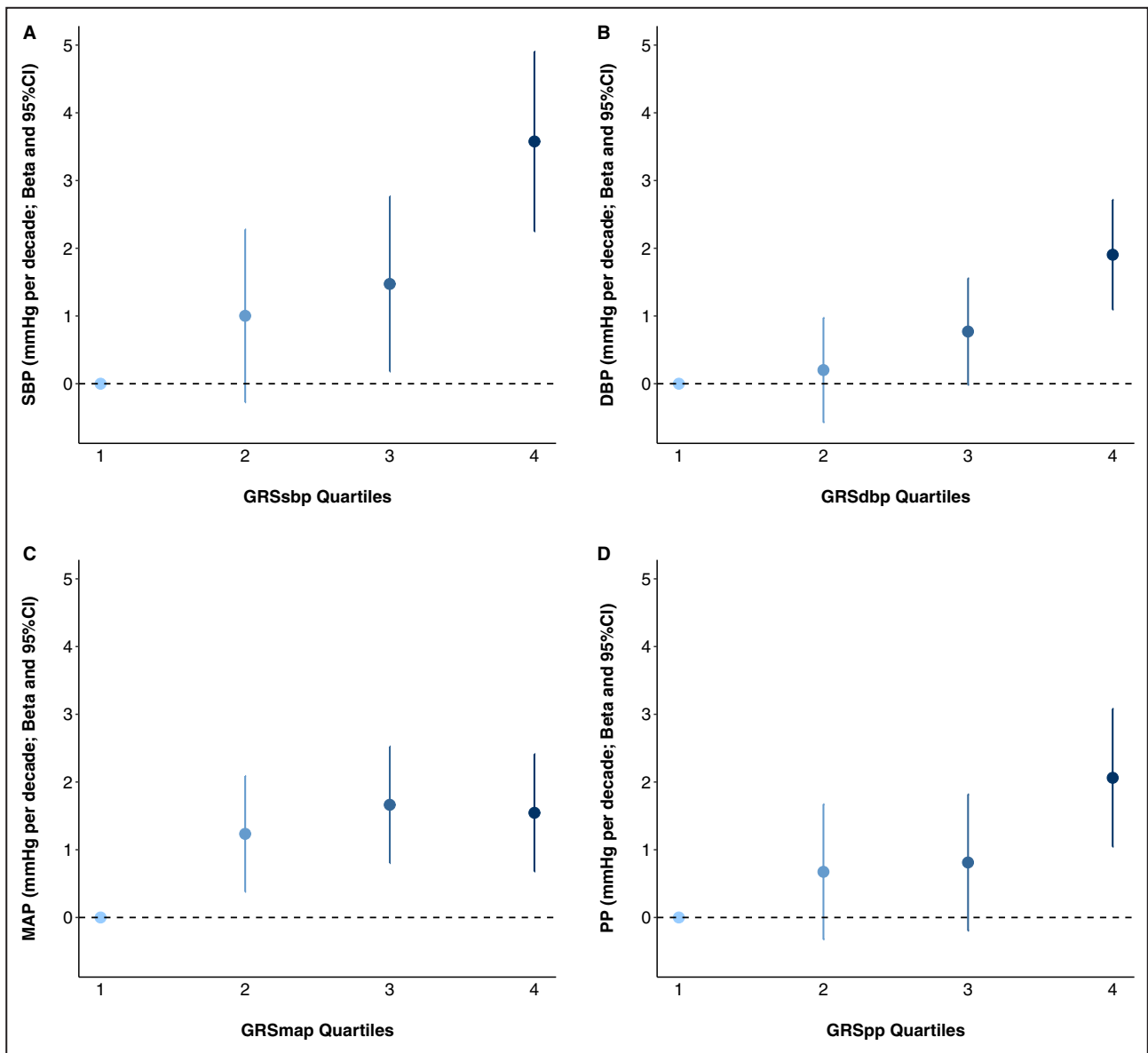


Figure 1. Associations of quartiles of the GRSs with their corresponding traits’ change during follow-up; systolic blood pressure (A) diastolic blood pressure (B) mean arterial blood pressure, (C) and pulse pressure (D).

DBP indicates diastolic blood pressure; GRS, genetic risk score; GRS_{DBP}, GRS including genetic variants associated with DBP; GRS_{MAP}, GRS including genetic variants associated with MAP; GRS_{PP}, GRS including genetic variants associated with PP; GRS_{SBP}, GRS including genetic variants associated with SBP; MAP, mean arterial blood pressure; PP, pulse pressure; and SBP, systolic blood pressure.

HTN-EUR, respectively. In general, the models exhibited good calibration.

GenxEnvironment Interactions

None of the GRSs was associated with their corresponding continuous trait’s variation (Table S12), suggesting an absence of major interactions with environmental factors. In explicit interaction tests, no significant interactions between GRS_{comb} and either sex (Table S13), age (Table S14), BMI (Table S15), baseline SBP (Table S16), or baseline DBP (Table S17) were detected for any of the hypertension phenotypes.

DISCUSSION

This is, to our knowledge, the first study to comprehensively assess associations with changes in blood pressure and the prediction accuracy of incident hypertension for the corpus of blood pressure-associated genetic variants until the end of 2018. Six different GRSs for 5 different blood pressure traits (SBP, DBP, MAP, PP, and HTN) were constructed based on published evidence. All GRSs were associated with change in their corresponding blood pressure traits during follow-up in this Swedish cohort. After correction for multiple testing, rs62250714 (*CADM2*; Cell

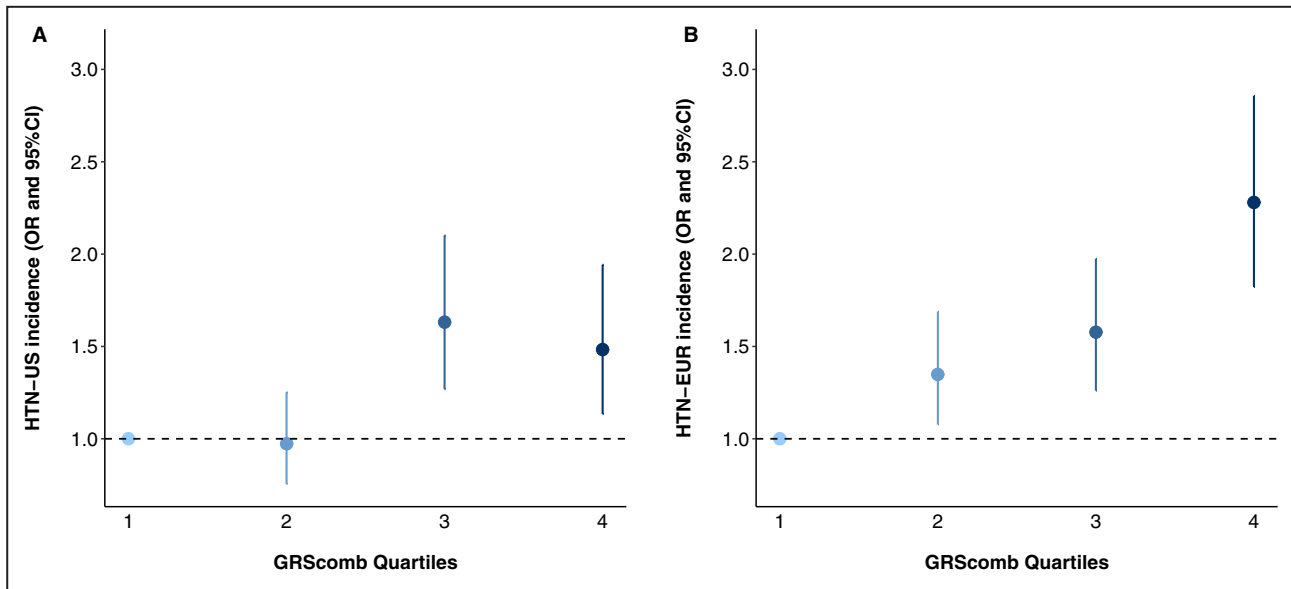


Figure 2. Associations of quartiles of the GRS_{comb} with incidence of HTN-US (A) and of HTN-EUR (B).

GRS_{comb} indicates genetic risk score including all the genetic variants associated with any blood pressure trait; HTN-EUR, hypertension according to European guidelines; HTN-US, hypertension according to US guidelines; and OR, odds ratio.

Adhesion Molecule 2 Gene) showed a significant association with 10-year change in PP. These findings may aid the biological understanding of age-related blood pressure deterioration by highlighting biological pathways whose perturbation may cause this life-threatening trait.

After controlling for traditional risk factors associated with hypertension, the combined GRS, including all blood pressure trait-associated genetic variants (GRS_{comb}), was significantly associated with hypertension incidence defined using European guidelines but not with hypertension incidence defined using US guidelines. This difference could be attributable to the thresholds used to define hypertension in each case. The European definition uses higher SBP and DBP thresholds so this subgroup of participants has by definition higher levels of blood pressure, so it may be enriched for genetic risk variants, which ultimately will convey a stronger association in the analyses.

Although the GRS_{comb} significantly improved the predictive ability of the traditional risk model when hypertension was defined using European guidelines, there was no material increase in the predictive ability conveyed by the genetic variants ($\Delta AUC=0.002$). Thus, according to the analyses conducted in this research the gathered genetic evidence is unlikely to enhance predictions of incident hypertension obtained from traditional risk factors models.

Although all the GRSs examined here demonstrated cross-sectional and longitudinal associations with their respective blood pressure traits, the effect

estimates yielded from the longitudinal models were of smaller magnitude than those derived from the cross-sectional models. This may be because these variants were detected in cross-sectional GWAS analyses, which may have biased against the discovery of variants that convey time-varying effects for reasons explained elsewhere.⁶² Besides, the GLACIER study contributed data to 4 out of the 22 GWAS analyses used to select the genetic variants included in the present study, which might have overestimated the strength of the cross-sectional associations. It is also plausible that amongst the hundreds of loci studied here, subsets exist that work in concert to modulate changes in blood pressure over time, which are not adequately characterized using the GRSs used here.

The GRSs (per SD unit) were associated with 0.50 to 1.21 mm Hg increases in blood pressure traits over a decade of follow-up, which although seemingly small in magnitude may be of clinical relevance, as even modest increments in blood pressure change can increase the risk of cardiovascular diseases across the lifespan.^{3,63} The odds of incident hypertension ranged from 1.10 to 1.35 per SD per decade follow-up, with the highest risk attributable to the GRS combining all the genetic variants associated to all the blood pressure traits (GRS_{comb} ; ORs, 1.20 and 1.35 per SD per decade follow-up for HTN-US and HTN-EUR, respectively) than for the GRS created using only the genetic variants specifically associated with hypertension (GRS_{HTN} ; ORs, 1.12 and 1.10 per SD per 10 years for HTN-US and HTN-EUR, respectively).

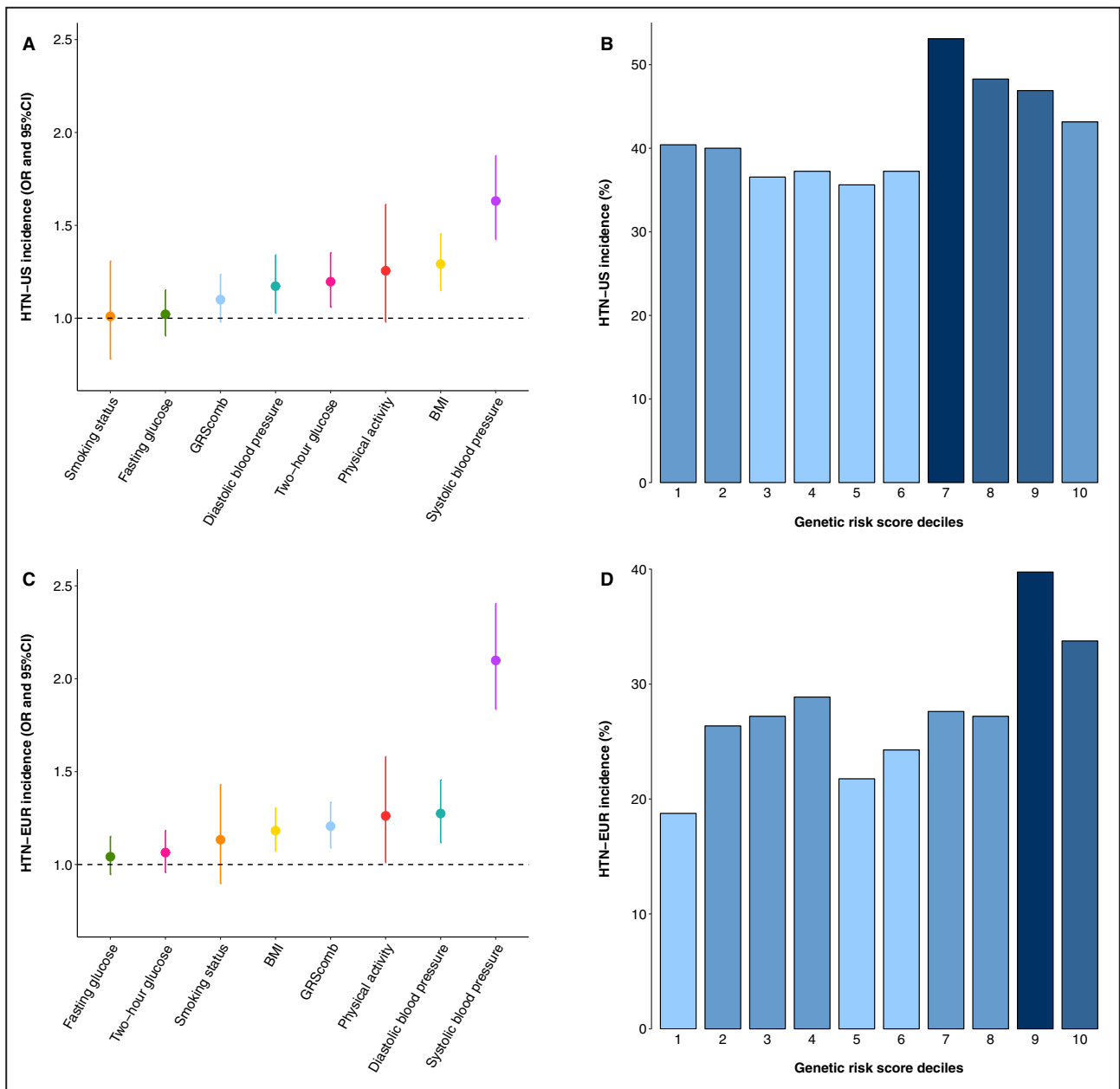


Figure 3. Odds ratios (95% CI) of predictors in the joint model for HTN-US incidence (A) and HTN-EUR incidence (C). Incidence of HTN-US (B) and HTN-EUR (D) by deciles of the GRS_{comb}. BMI indicates body mass index; GRS_{comb}, genetic risk score including all the genetic variants associated with any blood pressure trait; HTN-EUR, hypertension according to European guidelines; HTN-US, hypertension according to US guidelines; and OR, odds ratio.

In individual genetic variant analyses corrected for multiple testing, only one of the blood pressure-associated genetic variants (rs62250714) was significantly associated with long-term changes in blood pressure (specifically PP). Located on chromosome 3, rs62250714 is an intronic variant proximal to *CADM2*. *CADM2* has been previously implicated in variations in BMI,⁶⁴ physical activity⁶⁴ and impulsive personality traits⁶⁵ among other phenotypes. A further 186 genetic variants showed nominally significant ($P < 0.05$)

longitudinal associations with blood pressure variation. These variants, if independently replicated, may shed light on genetic pathways affecting long-term blood pressure deteriorations in blood pressure control.

Several studies showed that including genetic information in models assessing the predictive use of traditional risk factors in hypertension and cardiovascular diseases was of no material predictive value.^{13,17,18} Subsequent GWAS meta-analyses in large

Table 2. Discrimination and Calibration Measures for the two Hypertension Incidence Phenotypes

Measures	HTN-US	HTN-EUR
Discrimination		
AUC genetic model	0.653 (0.625–0.681)	0.656 (0.633–0.680)
AUC genetic model after internal validation	0.649	0.653
AUC traditional risk model	0.736 (0.71–0.761)	0.773 (0.752–0.793)
AUC traditional risk model after internal validation	0.721	0.764
AUC joint model	0.738 (0.712–0.763)	0.776 (0.756–0.796)
AUC joint model after internal validation	0.722	0.766
Calibration		
Slope	0.913	0.949
Intercept	–0.023	–0.037

Measures are given as value (95% CI) when possible. AUC indicates area under the ROC curve; HTN-EUR, hypertension according to European guidelines; and HTN-US, hypertension according to US guidelines.

cross-sectional analyses have identified hundreds of novel loci associated with blood pressure and hypertension.^{10,11} Nevertheless, as the present study shows, these genetic variants, at least when characterized in conventionally-defined GRS, do not materially improve the predictive accuracy of a conventional risk factor model for incident hypertension. There are numerous factors that may undermine the use of genetics in the prediction of hypertension. For example, since GRS_{comb} is based on hundreds of common variants with small effects on blood pressure, even those participants with equivalently high GRS values are likely

to carry different combinations of risk alleles; this type of heterogeneity is likely to lead to a degree of misclassification of genetic risk. Advances in the identification of rarer blood pressure variants with much larger effect estimates and their inclusion in the risk algorithms might also raise predictive ability. It is also possible that genetic factors convey different effects on hypertension incidence in subsets of the population and that genetic prediction algorithms that consider this might be more effective. This possibility was tested in the present study for sex, age, BMI, and baseline blood pressure values, but we found no clear evidence that the predictive ability of the algorithms would be improved if one were to include these interactions. A possible exception is for BMI and HTN-EUR, where we found tentative evidence ($P=0.06$ for $GRS \times BMI$ interaction) that genetic effects might differ conditional on BMI level.

A potential limitation of the current analyses is that family history of hypertension was not included in the traditional risk factor model as this information was not collected in the GLACIER study. The absence of longitudinal GWAS analyses on the other hand limited the possibility to build and test a weighted GRS using appropriate weights. Besides, the GLACIER cohort is of European ancestry and additional studies will therefore be needed to determine if our findings are generalizable to other ancestries. Moreover, the environmental risk factors for hypertension in northern Sweden may differ from other populations. It is also important to keep in mind that longitudinal analyses with only 2 data points as the present analyses are not able to distinguish real change from the measurement error.⁶⁶ Finally, because the follow-up examination occurred 10

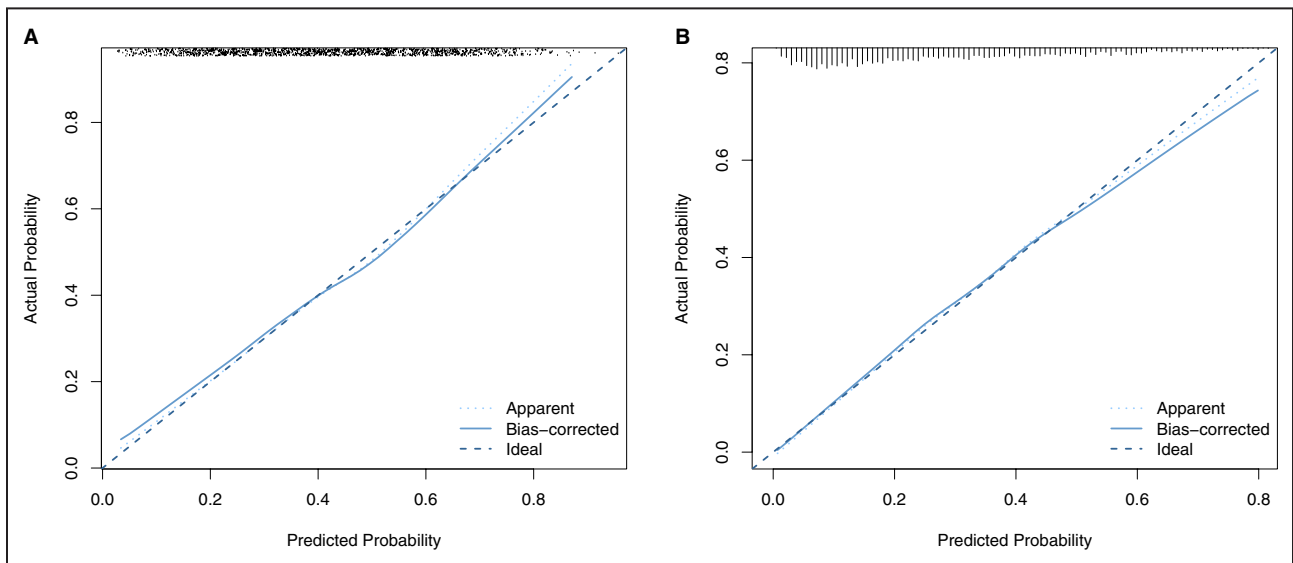


Figure 4. Calibration plot for the prediction model including both genetic and traditional risk factors for hypertension incidences according to US guidelines (A) and according to European guidelines (B).

years after baseline, it is possible that people at the highest genetic risk of cardiovascular diseases died in the interim and therefore were excluded from the current analyses, which may have led to an underestimation of the genetic effects.

ARTICLE INFORMATION

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Affiliations

From the Genetic and Molecular Epidemiology Unit, Department of Clinical Sciences, Lund University Diabetes Centre, Lund University, Malmö, Sweden (A.P., N.A.-P., F.R., P.W.F.); Preventive Medicine Division, Brigham and Women's Hospital, Harvard Medical School, Boston, MA (S.A.); Department of Medical Sciences, Molecular Epidemiology, Uppsala University, Uppsala, Sweden (S.A.); Section for Nutritional Research, Department of Public Health and Clinical Medicine, Umeå University, Umeå, Sweden (G.H., F.R., P.W.F.); Division of Endocrinology and Diabetes, Cantonal Hospital St. Gallen, St. Gallen, Switzerland (F.R.); and Department of Nutrition, Harvard Chan School of Public Health, Boston, MA (P.W.F.).

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Disclosures

None.

Supplementary Materials

Tables S1–S17

Figures S1–S2

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SUPPLEMENTAL MATERIAL

Table S1. Characteristics and quality control of BP associated genetic variants in GLACIER cohort (N=4,675)

Genetic variant	Associated trait/s	Source	Nearest Gene	Chr:position	Functionality score	Imputation quality (r2)	Effect allele/Other allele	CEU EAF	GLACIER EAF	HWE PVAL
rs13958870	SBP, DBP, PP	Warren et al., 2017 ¹⁰	GNB1, NADK	1:1685921	1.7	0.83	T/D	0.51	0.53	0.23
rs7546498*	SBP, DBP	Hoffmann et al., 2017 ¹⁰	SKI	1:2197055	1.54					
rs265058	SBP	Evangelou et al., 2018 ¹²	SK1	1:2197085		0.96	T/G	0.62	0.55	0.01
rs249292	SBP	Liu et al., 2016 ⁵²	PRDM16	1:3328659		1	T/C	0.17	0.18	0.22
rs709209	PP	Surendran et al., 2016 ⁴⁸	RNF207	1:6278414		1	A/G	0.65	0.68	0.53
rs4908678	DBP	Evangelou et al., 2018 ¹²	CAMTA1	1:7792520		0.91	C/T	0.35	0.37	0.08
1-8472788_T_A ⁴	DBP	Hoffmann et al., 2017 ¹⁰		1:8472788						
rs9662255	PP	Hoffmann et al., 2017 ¹⁰ ; Warren et al., 2017 ¹⁰	SPSB1	1:9441949		0.99	C/A	0.61	0.52	0.02
rs880315	SBP, DBP, MAP, PP	Ganesh et al., 2014 ³³ ; Ehret et al., 2016 ⁹	CASZ1	1:10796866		1	C/T	0.36	0.4	0.71
rs4846049	DBP	Johnson et al., 2018 ⁴³	MTFRF-NPPB	1:11850365		0.98	G/T	0.68	0.64	0.49
rs17037390*	SBP, DBP	Ehret et al., 2016 ⁹	MTFRF-NPPB	1:11860843	15.94					
rs17367504*	SBP, DBP, HTN	Ehret et al., 2011 ³¹ ; Newton-Cheh et al., 2009 ³³	MTFRF-NPPB	1:11862778	148.11					
rs13306561	SBP, DBP, MAP	Ganesh et al., 2013 ³⁶ ; Ganesh et al., 2014 ³³	MTFRF	1:11865804	202.68	0.99	A/G	0.86	0.83	0.19
rs202102042 ⁴¹	PP	Giri et al., 2019 ⁴⁸	NPPA	1:11907171						
rs3820068	SBP, PP	Warren et al., 2017 ¹⁰ ; Hoffmann et al., 2017 ¹⁰	AGMAT, CELA2A	1:15798197		0.95	A/G	0.83	0.83	0.04
rs848309	SBP, DBP	Wain et al., 2011 ³⁷		1:16308447		0.98	C/T	0.58	0.58	0.31
rs2807337	SBP	Evangelou et al., 2018 ¹²	WNT4	1:22577371		1	T/C	0.4	0.39	0.83
rs137993948	PP	Hoffmann et al., 2017 ¹⁰		1:23269277		0.95	G/T	0.17	0.17	0.18
rs6686889	DBP	Warren et al., 2017 ¹⁰	UNX3, CLIC4, SRRM1	1:25030470		0.94	T/C	0.27	0.27	0.14
rs75460349	SBP	Giri et al., 2019 ⁴⁸	ZDHHC18	1:27180088	109.36	0.94	C/A	0.02	0.05	0.64
rs79598313*	SBP	Evangelou et al., 2018 ¹²	Clorf172	1:27284913	4.97					
rs2504776	SBP	Giri et al., 2019 ⁴⁸	WASF2	1:27770482		0.9	C/T	0.88	0.91	0.1
rs7512595	PP	Giri et al., 2019 ⁴⁸	AHDC1	1:27857171		0.88	A/G	0.88	0.92	0.26
rs3737801	SBP	Evangelou et al., 2018 ¹²	FRG	1:27960832		0.6	C/G	0.91	0.94	0.2
rs143167197*	SBP, PP	Hoffmann et al., 2018 ¹²	PHACTR4	1:28734372	6.95					
rs61748637*	PP	Giri et al., 2019 ⁴⁸	PHACTR4	1:28793149	8.87					
rs6689862	SBP	Giri et al., 2019 ⁴⁸	RCC1	1:28837443	129.71	0.74	C/T	0.1	0.09	0.02
rs1565716	SBP, DBP	Evangelou et al., 2018 ¹²	MECR	1:29549216		0.93	A/G	0.06	0.07	0.75
rs4652875	PP	Evangelou et al., 2018 ¹²	PHC2	1:33868469		1	C/G	0.46	0.42	0.06
rs9729719	PP	Hoffmann et al., 2017 ¹⁰		1:38298207		0.99	A/G	0.28	0.29	0.19
rs4360494	PP	Warren et al., 2017 ¹⁰	SF3A3, FHL3	1:38455891		0.95	C/G	0.53	0.55	0.11
rs11210029	SBP	Evangelou et al., 2018 ¹²	FOXO6	1:41865293		0.99	G/A	0.35	0.39	0.14
rs783621	SBP, PP	Hoffmann et al., 2017 ¹⁰		1:42368035		0.99	A/G	0.46	0.44	0.15
rs7515635	SBP	Ehret et al., 2016 ⁹	HIVEP3	1:42408070		0.96	T/C	0.47	0.5	0.58
rs61777387*	PP	Giri et al., 2019 ⁴⁸	CDC30	1:43001755	0.94					
rs72659998	PP	Evangelou et al., 2018 ¹²	CDC30	1:43037556		0.99	C/T	0.84	0.88	0.08
rs12116637	SBP	Giri et al., 2019 ⁴⁸	CDC30	1:43066594	1.43	0.96	A/G	0.3	0.33	0.37
rs839755	SBP	Evangelou et al., 2018 ¹²	SZT2	1:43856410		0.99	C/A	0.37	0.37	0.01
rs6954	SBP	Giri et al., 2019 ⁴⁸	SZT2	1:43916642		0.97	C/T	0.58	0.54	0.43
rs666720	PP	Giri et al., 2019 ⁴⁸	AKR1A1	1:46020795		1	C/T	0.46	0.4	0.12
rs512083	PP	Evangelou et al., 2018 ¹²	AKR1A1	1:46027355		0.97	C/T	0.48	0.44	0.91
rs12142296	DBP	Evangelou et al., 2018 ¹²	PIK3R3	1:46541679		0.99	T/C	0.13	0.13	0.49
rs4926923	DBP	Evangelou et al., 2018 ¹²	FLJ00388	1:48109225		0.52	T/C	0.91	0.94	0.22
rs11579440	SBP	Evangelou et al., 2018 ¹²	AGBL4	1:49052423		0.9	T/C	0.84	0.86	0.05
rs147696085	PP	Hoffmann et al., 2017 ¹⁰		1:51021867		0.95	G/A	0.9	0.9	0.04
rs6681713	DBP	Evangelou et al., 2018 ¹²	MIR4421	1:51527684		0.99	T/G	0.98	0.98	0.7
rs112557609	SBP, PP	Warren et al., 2017 ¹⁰	PLPP3	1:56576924		0.97	A/G	0.34	0.3	0.49
rs2404715	SBP, PP	Hoffmann et al., 2017 ¹⁰		1:57008778		0.89	C/T	0.88	0.91	0.79
rs5889199*	SBP, PP	Warren et al., 2017 ¹⁰	FGGY, HSD52	1:59653742	1.66					
rs60199046	SBP, PP	Hoffmann et al., 2017 ¹⁰		1:59663341	1.77	0.99	A/G	0.76	0.69	0.97
rs7545750	SBP	Giri et al., 2019 ⁴⁸	SGIP1	1:67008495		0.96	A/G	0.39	0.35	0.87
rs6662330	PP	Giri et al., 2019 ⁴⁸	SGIP1	1:67018728		0.92	T/C	0.23	0.14	0.06
rs20354	PP	Evangelou et al., 2018 ¹²	SGIP1	1:67071356		0.99	T/G	0.15	0.09	0.54
rs34517439	DBP	Evangelou et al., 2018 ¹²	DNAJB4	1:78445017		0.77	C/A	0.91	0.94	0.71
rs12034319	PP	Evangelou et al., 2018 ¹²	DDAH1	1:86040107		0.99	A/G	0.21	0.18	0.13
rs9658584	PP	Giri et al., 2019 ⁴⁸	CYR61	1:86043711		0.78	G/C	0.81	0.8	0.52
rs385437	PP	Evangelou et al., 2018 ¹²	ODF2L	1:86822231		1	A/G	0.83	0.84	0.71
rs10923038	SBP	Evangelou et al., 2018 ¹²	PKN2	1:88651771		0.91	A/C	0.62	0.63	0.45
rs786906*	SBP, PP	Kraja et al., 2017 ⁴⁷	PKN2	1:89271574	1.64					
rs786919*	SBP, PP	Hoffmann et al., 2017 ¹⁰		1:89281529	1.15					
rs10922502	SBP, DBP, PP, HTN	Warren et al., 2017 ¹⁰	KYAT3, GTF2B	1:89360158	2.57	1	G/A	0.37	0.3	0.21
rs2065152	DBP	Evangelou et al., 2018 ¹²	RP11-302M6.4	1:90228519		0.99	T/C	0.32	0.36	0.7
rs17516329	PP	Evangelou et al., 2018 ¹²	TGFB3	1:92319781		0.98	A/T	0.68	0.68	0.89
rs7514579	SBP	Evangelou et al., 2018 ¹²	BCAR3	1:94051350		0.98	A/C	0.79	0.79	0.18
rs17396055	SBP	Evangelou et al., 2018 ¹²	ARHGAP29	1:94730954		0.97	G/A	0.64	0.7	0.55
rs35041402 ⁴¹	PP	Giri et al., 2019 ⁴⁸		1:103041318						
rs1620668	SBP, DBP	Ehret et al., 2016 ⁹	STL7-CAPZA1-MOV10	1:113023980		1	G/A	0.16	0.24	0.81
rs2932538	SBP, DBP	Ehret et al., 2011 ³⁴	MOV10	1:13216543		1	G/A	0.76	0.76	0.36
rs11102916	DBP	Hoffmann et al., 2017 ¹⁰		1:15836746		0.97	A/C	0.01	0.03	0.44
rs12078697	DBP	Evangelou et al., 2018 ¹²	RP4-655J12.4	1:17015118		0.84	G/C	0.79	0.79	0.1
rs7553422	DBP	Evangelou et al., 2018 ¹²	RP4-712E4.1	1:19540719		0.99	C/T	0.59	0.66	0.75
rs72704264	DBP	Evangelou et al., 2018 ¹²	CND160	1:145713305		0.86	C/G	0.81	0.22	0.33
rs11585169	PP	Evangelou et al., 2018 ¹²	SNORA40	1:150572037		0.98	A/T	0.55	0.62	0.44
rs60354484	PP	Giri et al., 2019 ⁴⁸	POGZ	1:151407974		0.76	D/I	0.25	0.2	0.49
rs138957616	DBP	Giri et al., 2019 ⁴⁸	S100A4	1:153517092		0.99	D/I	0.05	0.05	0.21
rs13796	DBP	Evangelou et al., 2018 ¹²	UBAP2L	1:154245917		0.78	C/T	0.12	0.09	0.49
rs76719272	SBP	Evangelou et al., 2018 ¹²	SEMA4A	1:156129796		0.79	C/T	0.89	0.85	0.73
rs2171690	DBP	Evangelou et al., 2018 ¹²	RP11-506O4.1	1:164740099		0.93	T/C	0.53	0.48	0.75
rs7524019	DBP	Evangelou et al., 2018 ¹²	POU2F1	1:167367193		0.61	T/C	0.49	0.54	0.7
rs7519279	PP	Hoffmann et al., 2017 ¹⁰		1:169207361		0.97	G/C	0.66	0.65	0.42
rs12405515	DBP	Hoffmann et al., 2017 ¹⁰ ; Warren et al., 2017 ¹⁰	DNM3	1:172357441		0.97	G/T	0.41	0.44	0.03
rs567058829	DBP	Hoffmann et al., 2017 ¹⁰		1:17511760		0.95	D/I	0.55	0.6	0.54
rs61823001	PP	Hoffmann et al., 2017 ¹⁰		1:176664440		0.92	A/G	0.93	0.93	0.12
rs150816167	DBP	Evangelou et al., 2018 ¹²	TDRD5	1:179571862		0.83	C/T	0.05	0.03	0.39
rs3767199	PP	Giri et al., 2019 ⁴⁸	QSOX1	1:180124667		0.97	G/T	0.65	0.62	0.56
rs10913934	PP	Evangelou et al., 2018 ¹²	QSOX1	1:180131640		0.97	T/G	0.58	0.56	0.08
rs1043069	SBP	Evangelou et al., 2018 ¹²	XPR1	1:180859368		0.84	T/G	0.61	0.52	0.22
rs41475048	DBP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁴⁸	LAMC1	1:183058452		0.72	G/A	0.29	0.19	0.74
rs4651224	SBP, DBP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁴⁸	Clorf21	1:184585182		0.92	T/C	0.46	0.43	0.34
rs12042924	SBP, PP	Evangelou et al., 2018 ¹²	CRB1	1:192797417		0.88	C/T	0.48	0.51	0.75
rs12037669	PP	Hoffmann et al., 2017 ¹⁰		1:201721930		0.68	T/G	0.81	0.85	0.03
rs33996239	SBP	Evangelou et al., 2018 ¹²	ADORA1	1:203109801		0.66	C/T	0.95	0.95	0.15
rs4245739	DBP	Ehret et al., 2016 ⁹	MDM4	1:204518842		1	A/C	0.74	0.78	0.93
rs2629665	DBP	Evangelou et al., 2018 ¹²	PFKFB2	1:207220800		0.93	C/A	0		

rs10198275	DBP	Hoffmann et al., 2017 ⁶	ADCY3	2:25130542		1	A/C	0.57	0.6	0.17
rs55701159	SBP, DBP	Warren et al., 2017 ⁶	KCNK3	2:25139596		0.91	T/G	0.9	0.89	0.12
rs1275988	SBP, MAP	Ganesh et al., 2014 ¹³ , Kato et al., 2015 ⁹	KCNK3	2:26914364	9.88	0.98	C/T	0.41	0.41	0.74
rs2586886*	SBP, DBP	Ehret et al., 2016 ⁹	KCNK3	2:26932031	4.65					
rs9678851	SBP	Kraja et al., 2017 ⁴⁷	SLC4A1AP	2:27887034		1	C/A	0.46	0.46	0.15
rs7562	SBP	Warren et al., 2017 ⁶	FOSL2	2:28635740		0.96	T/C	0.54	0.54	0.98
rs1607644	DBP	Evangelou et al., 2018 ¹²	AC073218.1	2:34679626		0.99	G/A	0.62	0.61	0.64
rs13420463	SBP, DBP, PP	Hoffmann et al., 2017 ⁶ , Warren et al., 2017 ⁶	PRKD3	2:37517566		0.99	A/G	0.74	0.76	0.78
rs2707238	DBP	Evangelou et al., 2018 ¹²	LINC00211	2:38094149		0.96	C/G	0.27	0.26	0.45
rs4952611	DBP	Warren et al., 2017 ⁶	SLCSA1	2:40567743		0.82	C/T	0.45	0.43	1
rs13403122	SBP, DBP	Hoffmann et al., 2017 ⁶	PRKCE, HAAO	2:43078758		0.98	C/T	0.74	0.76	0.28
rs76320501	SBP, DBP	Warren et al., 2017 ⁶	THADA	2:43167878		0.94	A/C	0.92	0.92	0.07
rs35590893	SBP, PP	Evangelou et al., 2018 ¹²	TRKDC	2:43716933		0.97	G/A	0.73	0.7	0.38
rs11690961	PP	Hoffmann et al., 2017 ⁶ , Warren et al., 2017 ⁶	TRKDC	2:43716933		0.83	A/C	0.88	0.91	0.03
rs6545155	SBP	Evangelou et al., 2018 ¹²	NRXN1	2:50429861		1	T/C	0.79	0.85	0.82
rs2139629	SBP	Giri et al., 2019 ⁵⁸	NRXN1	2:50627597		0.99	A/G	0.82	0.85	0.77
rs10189186	SBP	Evangelou et al., 2018 ¹²	AC010967.2	2:53025757		0.99	A/G	0.54	0.54	0.22
rs2920899	SBP	Evangelou et al., 2018 ¹²	RTN4	2:55279681		0.97	T/G	0.8	0.77	0.02
rs1975487	DBP	Ehret et al., 2016 ⁹	PNPT1	2:55809054		0.98	G/A	0.52	0.56	0.72
rs10199082	PP	Hoffmann et al., 2017 ⁶	PNPT1	2:55809054		0.95	T/C	0.88	0.9	0.48
rs7575523	PP	Hoffmann et al., 2017 ⁶	PNPT1	2:55809054		0.97	T/G	0.38	0.36	0.34
rs66723505	SBP	Giri et al., 2019 ⁵⁸	PNPT1	2:55809054	2.94	1	A/G	0.69	0.73	0.14
rs6742041*	PP	Giri et al., 2019 ⁵⁸	PNPT1	2:55809054	1.09					
rs72816333	SBP, DBP	Evangelou et al., 2018 ¹²	RP11-444A22.1	2:60096560		0.99	A/T	0.82	0.85	0.01
rs925484	PP	Evangelou et al., 2018 ¹²	AC007381.2	2:60611437		1	G/C	0.42	0.42	0.11
rs7608483	DBP	Evangelou et al., 2018 ¹²	USP34	2:61836235		0.97	A/C	0.38	0.43	0.77
rs13014371	DBP	Evangelou et al., 2018 ¹²	VPS54	2:64217786		0.99	C/T	0.4	0.46	1
rs2540950*	PP	Hoffmann et al., 2017 ⁶	CEP68	2:65279223	3.68					
rs74181299	SBP, PP	Warren et al., 2017 ⁶	CEP68	2:65279223	205.03	0.98	T/C	0.61	0.61	0.71
rs2631669	PP	Evangelou et al., 2018 ¹²	AC074391.1	2:66104881		1	T/C	0.47	0.49	0.95
rs2300481	SBP, PP	Evangelou et al., 2018 ¹² , Giri et al., 2019 ⁵⁸	MEI51	2:66782467		0.92	T/C	0.39	0.42	0.76
rs6731373	SBP, PP	Evangelou et al., 2018 ¹² , Giri et al., 2019 ⁵⁸	AC017083.3	2:68503044		0.77	A/G	0.3	0.31	0.61
rs12052761	DBP	Evangelou et al., 2018 ¹²	AC097495.2	2:69065841		0.97	G/A	0.61	0.63	0.85
rs7605066*	PP	Hoffmann et al., 2017 ⁶	DYSEF, ZNF5931	2:71529531	1.12					
rs3771371	DBP	Warren et al., 2017 ⁶	DYSEF, ZNF5931	2:71529531	1.35	1	C/T	0.45	0.49	0.27
rs10192543	DBP	Evangelou et al., 2018 ¹²	EXOC6B*	2:72483329		0.99	T/G	0.85	0.85	0.86
rs1876487	DBP	Hoffmann et al., 2017 ⁶	EXOC6B*	2:72483329		0.86	C/A	0.7	0.71	0.04
rs11689647	PP	Warren et al., 2017 ⁶	TCF7L1	2:85491365	31.08	1	T/C	0.57	0.58	0.74
rs62162674*	PP	Hoffmann et al., 2017 ⁶	TCF7L1	2:85491365	19.3					
rs3731818	SBP	Hoffmann et al., 2017 ⁶	RA2B, TCF7L1, FAHD2	2:86368804		0.92	G/A	0.66	0.64	0.97
rs2579519	DBP	Warren et al., 2017 ⁶	RA2B, TCF7L1, FAHD2	2:86368804		0.96	C/T	0.35	0.38	0.04
rs772178	DBP	Ehret et al., 2016 ⁹	NCAPH	2:96963684		0.97	G/A	0.31	0.34	0.13
rs2579503	PP	Giri et al., 2019 ⁵⁸	NCAPH	2:96963684		0.99	C/T	0.7	0.66	0.47
rs7599598	DBP	Ganesh et al., 2014 ¹³	FER1L5	2:97351840		1	G/A	0.43	0.43	0.91
rs4851462	DBP	Evangelou et al., 2018 ¹²	ZAP70	2:98357163		0.94	C/T	0.37	0.49	0.38
rs6747874	PP	Hoffmann et al., 2017 ⁶	ZAP70	2:98357163		0.98	A/G	0.26	0.24	0.87
rs150194832*	PP	Evangelou et al., 2018 ¹²	FHL2	2:106126880	4.18					
rs6747242	PP	Giri et al., 2019 ⁵⁸	FHL2	2:106126880	19.47					
rs57874285	SBP	Giri et al., 2019 ⁵⁸	LOC541471	2:112012672		0.96	A/C	0.43	0.39	0.74
rs28377357	SBP	Evangelou et al., 2018 ¹²	MERTK	2:112769721		0.99	G/A	0.7	0.69	0.42
rs7581849	SBP	Giri et al., 2019 ⁵⁸	TMEM87B	2:112870730		0.93	A/G	0.61	0.66	0.27
rs62158170	SBP, DBP	Evangelou et al., 2018 ¹²	PAX8	2:114082175		0.87	A/G	0.79	0.81	0.92
rs11686882	SBP	Giri et al., 2019 ⁵⁸	LOC84931	2:121347612		0.7	G/C	0.73	0.77	0.24
rs10864859	DBP	Evangelou et al., 2018 ¹²	GL2	2:124402148		0.88	T/G	0.92	0.92	0.48
rs750416	SBP	Giri et al., 2019 ⁵⁸	TFPC2L1	2:121997698		0.86	C/T	0.54	0.57	7.81E-05
rs6723509	SBP	Evangelou et al., 2018 ¹²	TFPC2L1	2:122000745		0.97	T/C	0.85	0.87	1
rs3923097	DBP	Hoffmann et al., 2017 ⁶	TFPC2L1	2:122000745		0.89	T/A	0.93	0.93	0.59
rs13001283	DBP	Evangelou et al., 2018 ¹²	GYPC	2:127183454		0.96	A/G	0.16	0.17	0.54
rs4954192	DBP	Evangelou et al., 2018 ¹²	CCNT2-AS1	2:135623981		0.95	C/T	0.49	0.7	0.06
rs72844590	SBP	Evangelou et al., 2018 ¹²	TFSD7B	2:138421227		0.95	T/C	0.15	0.17	0.53
rs7606205	SBP, DBP	Evangelou et al., 2018 ¹²	ARHGAP15	2:144146311		0.93	C/A	0.28	0.28	0.02
rs1438896	SBP, DBP	Warren et al., 2017 ⁶	TEX41	2:154646072		0.99	C/T	0.28	0.35	0.5
rs58117425	DBP	Hoffmann et al., 2017 ⁶	TEX41	2:154646072		0.95	A/G	0.21	0.29	0.48
rs34570306	SBP, DBP	Evangelou et al., 2018 ¹²	ZEB2	2:146272860		0.85	C/T	0.44	0.46	0.62
rs62169544	SBP, DBP	Evangelou et al., 2018 ¹²	ZEB2	2:146959008		0.96	G/A	0.57	0.57	0.55
rs12990959	DBP	Evangelou et al., 2018 ¹²	ACVR2A	2:148572160		0.98	C/T	0.33	0.36	0.18
rs191280542 ¹	PP	Giri et al., 2019 ⁵⁸	MBD5	2:148844323						
rs117490883 ¹	PP	Giri et al., 2019 ⁵⁸	EPC2	2:149419230						
rs141691178 ¹	PP	Giri et al., 2019 ⁵⁸	EPC2	2:149424132						
rs4664080	PP	Evangelou et al., 2018 ¹²	STAM2	2:152978341		0.96	G/A	0.6	0.65	0.8
rs3175	PP	Evangelou et al., 2018 ¹²	PRPF40A	2:153618773		0.82	A/G	0.63	0.71	1
rs2848657	SBP	Giri et al., 2019 ⁵⁸	ACVR1C	2:158495349	1.73	0.78	T/A	0.87	0.94	1
rs1220128	SBP, DBP	Evangelou et al., 2018 ¹²	ACVR1C	2:158499902	1.57					
rs79523138	SBP	Evangelou et al., 2018 ¹²	RBMS1	2:161368213		0.9	G/A	0.13	0.1	1
rs55732192	SBP, PP	Evangelou et al., 2018 ¹²	SLC4A10	2:162278233		0.93	G/T	0.9	0.93	0.73
rs13002573	PP	Wain et al., 2011 ¹⁷	SLC4A10	2:162278233		1	A/G	0.78	0.72	0.09
rs1446468	SBP, DBP, MAP	Wain et al., 2011 ¹⁷	FIGN	2:164963486		1	C/T	0.51	0.58	0.83
rs6712094	SBP	Ganesh et al., 2014 ¹³	GRB14	2:165043460		0.99	A/G	0.7	0.73	0.53
rs1371182	SBP, DBP	Ehret et al., 2016 ⁹	FIGN-GRB14	2:165099215		0.96	C/T	0.53	0.59	0.25
rs10184004	SBP	Giri et al., 2019 ⁵⁸	COBLL1	2:165508389	5.5	1	C/T	0.56	0.57	0.45
rs10195252*	PP	Giri et al., 2019 ⁵⁸	COBLL1	2:165513091	4.09					
rs6712203*	SBP, DBP	Evangelou et al., 2018 ¹²	AC019181.3	2:165557318	2.14					
rs2390258	DBP	Evangelou et al., 2018 ¹²	SCN2A	2:166250129		1	G/A	0.72	0.77	0.62
rs560887	PP	Evangelou et al., 2018 ¹²	G6PC2	2:169763148		1	C/T	0.7	0.72	0.59
rs151054210	PP	Evangelou et al., 2018 ¹²	CYBBD1	2:172381487		1	A/G	0.19	0.18	0.77
rs6758859	DBP	Evangelou et al., 2018 ¹²	MLTK	2:173965056		0.97	T/C	0.61	0.69	0.39
rs11694601	SBP	Evangelou et al., 2018 ¹²	OLA1	2:174949358		0.96	G/A	0.43	0.39	0.03
rs13024657	SBP, PP	Hoffmann et al., 2017 ⁶	OLA1	2:175472839		0.87	T/C	0.19	0.17	0.72
rs4972805	DBP	Hoffmann et al., 2017 ⁶	OLA1	2:177012570		0.95	C/T	0.66	0.66	4.06E-03
rs2706110	PP	Hoffmann et al., 2017 ⁶	OLA1	2:178092162		0.87	T/C	0.21	0.22	0.93
rs1837164	SBP	Evangelou et al., 2018 ¹²	PDE11A	2:178716601		1	A/T	0.37	0.38	0.17
rs79146658	DBP	Warren et al., 2017 ⁶	CCDC141	2:179786968		0.94	C/T	0.1	0.09	1
rs1486236	PP	Evangelou et al., 2018 ¹²	ZNF385B	2:180739450		0.92	C/A	0.66	0.62	0.93
rs10184839	DBP	Evangelou et al., 2018 ¹²	AC098196.1	2:181946115		0.97	T/A	0.71	0.73	0.23
rs12474446	SBP	Giri et al., 2019 ⁵⁸	PPP1R1C	2:182994685		0.98	T/A	0.82	0.84	0.31
rs1										

rs7624086	SBP	Giri et al., 2019 ⁸	ATG7	3:11412620	0.95	G/C	0.57	0.61	0.22	
rs9837162	PP	Giri et al., 2019 ⁸	ATG7	3:11548202	0.99	T/C	0.58	0.63	0.57	
rs6793656	PP	Hoffmann et al., 2017 ⁶		3:13823342	0.93	G/A	0.16	0.1	0.47	
rs12630213	SBP, DBP	Hoffmann et al., 2017 ⁶		3:14954411	0.89	C/T	0.35	0.36	0.7	
rs11128722	SBP, DBP	Ehret et al., 2016 ⁹	FGD5	3:14958126	0.81	G/A	0.45	0.43	0.13	
rs189267552	SBP	Evangelou et al., 2018 ¹²	KAT2B	3:20073193	0.91	T/A	0.98	0.99	0.05	
rs4858758	SBP	Giri et al., 2019 ⁸	KAT2B	3:20117233	1	C/T	0.6	0.57	0.42	
rs4634143	DBP	Evangelou et al., 2018 ¹²	UBE2E	3:23163749	0.99	T/C	0.34	0.32	0.02	
rs13082711	DBP	Ehret et al., 2011 ¹⁴	SLC4A7	3:27537909	1	C/T	0.21	0.28	0.43	
rs711737	SBP	Ehret et al., 2016 ⁹	SLC4A7	3:27543655	0.99	A/C	0.61	0.63	0.27	
rs72851239	DBP	Evangelou et al., 2018 ¹²	RBM35	3:29574219	0.96	G/C	0.83	0.86	0.76	
rs9816220	SBP	Giri et al., 2019 ⁸		3:30284320	0.99	C/T	0.25	0.21	3.59E-03	
rs12638085	SBP, PP	Evangelou et al., 2018 ¹²	TGFBP2	3:30405936	0.99	A/T	0.24	0.33	0.46	
rs4678915	PP	Evangelou et al., 2018 ¹²	TRANK1	3:36964583	0.93	G/A	0.55	0.54	0.6	
rs7632108	PP	Giri et al., 2019 ⁸	GOLGA4	3:37258063	0.92	A/C	0.48	0.5	0.19	
rs267517*	PP	Evangelou et al., 2018 ¹²	ITGA9	3:37539090	1.32					
rs267540	PP	Giri et al., 2019 ⁸	ITGA9	3:37581843	2.95	0.99	G/A	0.45	0.38	0.45
rs267539	SBP	Giri et al., 2019 ⁸	ITGA9	3:37582252	0.99	G/A	0.56	0.52	0.86	
rs6801957	PP	Evangelou et al., 2018 ¹²	SCN10A	3:38767315	49.75	1	T/C	0.42	0.39	0.69
rs6599251*	PP	Giri et al., 2019 ⁸	SCN10A	3:38785809	1.33					
rs6788984	SBP, PP	Evangelou et al., 2018 ¹²	CTNNA1	3:41107173	0.93	A/G	0.85	0.86	0.91	
rs7650227*	PP	Ganesh et al., 2014 ³³	ULK4	3:41794937	1.52					
rs3774372	DBP	Ehret et al., 2011 ¹⁴	ULK4	3:41877414	3.32	1	C/T	0.18	0.16	0.7
rs9815354*	DBP	Levy et al., 2009 ⁴⁰	ULK4	3:41912651	1.42					
rs2272007*	DBP	Ehret et al., 2016 ⁹	ULK4	3:41996136	2.76					
rs6792918	PP	Giri et al., 2019 ⁸	KIF15	3:44857004	1.67	0.88	A/C	0.94	0.95	0.65
rs141979279*	PP	Evangelou et al., 2018 ¹²	KIF15	3:44885131	1.44					
rs34877991	SBP	Giri et al., 2019 ⁸	LIMD1	3:45643648	0.96	G/C	0.58	0.56	0.77	
rs113134141	DBP	Evangelou et al., 2018 ¹²	PRSS50	3:46861939	0.9	G/A	0.09	0.06	0.53	
rs319690*	SBP, DBP, MAP	Wain et al., 2011 ¹⁷	MAP4	3:47927484	5.99					
rs6442101	SBP, DBP	Ehret et al., 2016 ⁹	MAP4	3:48130893	207.86	0.93	T/C	0.69	0.71	0.3
rs76398786	DBP	Hoffmann et al., 2017 ⁶		3:48731450	0.74	T/C	0.04	0.03	0.27	
rs73082337	SBP	Evangelou et al., 2018 ¹²	ARIH2	3:49009570	0.77	C/G	0.88	0.89	1	
rs3749237	DBP	Hoffmann et al., 2017 ⁶		3:49770032	0.99	A/G	0.31	0.36	0.7	
rs36022378	DBP	Warren et al., 2017 ⁶	CAMKV	3:49917305	0.88	C/T	0.2	0.23	0.97	
rs2236973	DBP	Hoffmann et al., 2017 ⁶		3:50474284	13.03	0.94	C/T	0.12	0.15	1
rs743757*	DBP	Warren et al., 2017 ⁶		3:50476378	6.61	0.94	C/T			
rs13303	PP	Kraja et al., 2017 ⁴⁷	CACNA2D2_C3orf18			1				
rs528266117 ^L	SBP, PP	Hoffmann et al., 2017 ⁶	STAB1	3:52558008		1	C/T	0.57	0.58	0.08
rs369306257 ^L	PP	Giri et al., 2019 ⁸		3:53512317						
rs9845655	DBP	Hoffmann et al., 2017 ⁶		3:56701328	0.97	T/C	0.73	0.71	0.31	
rs9827472	DBP	Warren et al., 2017 ⁶	FAM208A	3:56726646	0.96	C/T	0.66	0.62	0.34	
rs3772219	SBP, DBP	Kraja et al., 2017 ⁴⁷	ARHGFE3	3:56771251	1	A/C	0.71	0.69	0.16	
rs1053711	DBP	Hoffmann et al., 2017 ⁶		3:57743246	1	G/A	0.69	0.72	0.04	
rs3774702	DBP	Evangelou et al., 2018 ¹²	ATXN7	3:63856870	0.94	A/G	0.18	0.17	0.53	
rs6795735	DBP	Hoffmann et al., 2017 ⁶		3:64705365	4.3	1	C/T	0.56	0.65	0.24
rs918466*	DBP	Ehret et al., 2016 ⁹	ADAMTS9	3:64710253	2.77					
rs17831815	PP	Hoffmann et al., 2017 ⁶		3:66437086	1	C/T	0.36	0.33	0.84	
rs12636552	SBP	Hoffmann et al., 2017 ⁶		3:70972466	0.99	A/G	0.68	0.72	0.23	
rs13083406*	PP	Giri et al., 2019 ⁸	PPAR2	3:73246337	1.04					
rs729448	PP	Evangelou et al., 2018 ¹²	PPAR2	3:73260545	1.14	0.96	G/A	0.47	0.5	0.23
rs9857362	SBP	Evangelou et al., 2018 ¹²	CNTN3	3:74710462	0.92	A/C	0.51	0.47	0.38	
rs6803322	SBP	Hoffmann et al., 2017 ⁶		3:84986088	0.98	C/A	0.66	0.73	0.82	
rs62250714	PP	Giri et al., 2019 ⁸	CADM2	3:85518776	1.28	1	A/G	0.63	0.7	0.6
rs1449386*	SBP	Giri et al., 2019 ⁸	CADM2	3:85619079	1.04					
rs56233205*	PP	Giri et al., 2019 ⁸	C3orf26	3:99821679	4.87					
rs9860290	PP	Evangelou et al., 2018 ¹²	CMSS1	3:99839106	5.07	0.95	G/A	0.82	0.79	0.32
rs56290975	DBP	Giri et al., 2019 ⁸	SENP7	3:101228365	1	C/G	0.41	0.47	1	
rs11923667	DBP	Evangelou et al., 2018 ¹²	TRMT10C	3:101268080	0.96	A/T	0.41	0.48	1	
rs28675079	DBP	Evangelou et al., 2018 ¹²	PLCXDD2	3:111506002	0.99	G/A	0.81	0.79	0.9	
rs1882289	SBP	Evangelou et al., 2018 ¹²	ZBTB20	3:114611008	1	G/A	0.12	0.13	0.84	
rs4831174*	PP	Giri et al., 2019 ⁸		3:115110804	1.45					
rs438253	SBP	Giri et al., 2019 ⁸		3:115115922	2.35	0.95	A/G	0.53	0.58	0.79
rs9882772	DBP	Hoffmann et al., 2017 ⁶		3:122110149	0.99	C/T	0.43	0.47	0.04	
rs6806529	PP	Evangelou et al., 2018 ¹²	ADCY5	3:123049938	0.86	A/C	0.39	0.38	0.26	
rs4141663	SBP	Hoffmann et al., 2017 ⁶		3:124551967	0.95	C/T	0.57	0.59	0.59	
rs62270945	PP	Hoffmann et al., 2017 ⁶	GATA2	3:128201889	0.62	T/C	0.02	0.01	1	
rs9875380	SBP	Evangelou et al., 2018 ¹²	TMEM108	3:132780356	2.87	0.99	C/T	0.56	0.57	0.93
rs4854572*	SBP	Giri et al., 2019 ⁸	TMEM108	3:132801239	1.06					
rs75305034	SBP, DBP	Hoffmann et al., 2017 ⁶		3:133886705	0.99	T/C	0.7	0.64	0.68	
rs9859176	SBP, DBP, HTN	Warren et al., 2017 ⁶	RYK	3:134000025	0.96	T/C	0.45	0.44	0.05	
rs590198	SBP	Evangelou et al., 2018 ¹²	PCCB	3:135953729	1	A/G	0.57	0.58	0.65	
rs9864898*	DBP	Hoffmann et al., 2017 ⁶		3:13811751	2.94					
rs2306374	SBP, DBP	Warren et al., 2017 ⁶	MRAS	3:138119952	7.72	1	C/T	0.15	0.16	0.91
rs16851397	DBP	Surendran et al., 2016 ⁸	ZBTB38	3:141134818	1	G/A	0.05	0.04	0.05	
rs6782694	PP	Hoffmann et al., 2017 ⁶		3:141627860	0.92	A/C	0.15	0.14	0.66	
rs11708647	PP	Hoffmann et al., 2017 ⁶		3:142617353	1	G/A	0.61	0.63	0.78	
rs6772704	PP	Evangelou et al., 2018 ¹²		3:149524692	0.88	C/A	0.31	0.28	0.83	
rs9844972	SBP, PP	Hoffmann et al., 2017 ⁶	ANKUB1	3:150097635	0.73	C/G	0.07	0.03	0.63	
rs146975914 ^L	PP	Giri et al., 2019 ⁸		3:151975814	0.74	C/T	0.01	0.01	1	
rs73158427	SBP, DBP	Evangelou et al., 2018 ¹²	ARHGFE26	3:153721493	0.98	A/T	0.15	0.18	0.19	
rs357489	SBP	Giri et al., 2019 ⁸	ARHGFE26	3:153884517	0.98	T/A	0.23	0.25	0.94	
rs113161639	SBP, DBP	Hoffmann et al., 2017 ⁶		3:154618519	0.75	G/T	0.9	0.93	0.45	
rs14312823	SBP, DBP	Warren et al., 2017 ⁶	MME	3:154707967	0.74	G/A	0.92	0.94	0.7	
rs9832313	PP	Evangelou et al., 2018 ¹²	SHOX2	3:157576791	0.93	T/A	0.75	0.76	1	
rs78151625	SBP	Evangelou et al., 2018 ¹²	MLF1	3:158316726	0.99	C/T	0.16	0.15	0.2	
rs9849301	SBP	Giri et al., 2019 ⁸	RARRS1	3:158444840	0.98	T/C	0.15	0.14	0.64	
rs2178452	SBP	Hoffmann et al., 2017 ⁶		3:160370160	0.98	G/A	0.66	0.63	0.62	
rs419076	SBP, DBP	Ehret et al., 2011 ¹⁴	MECOM	3:169100886	1.56	1	T/C	0.48	0.41	0.19
rs6779380*	SBP, DBP	Ehret et al., 2016 ⁹	MECOM	3:169111915	1.32					
rs73181210	SBP, DBP	Giri et al., 2019 ⁸	PHC3	3:169831268	0.99	T/C	0.99	0.99	0.6	
rs4894535	PP	Evangelou et al., 2018 ¹²	FNDC3B	3:171995605	1	T/C	0.15	0.18	0.8	
rs7611674	DBP	Evangelou et al., 2018 ¹²	RP11-145M9.2	3:179169230	0.95	T/G	0.83	0.85	0.46	
rs262986	SBP, PP	Evangelou et al., 2018 ¹²	YEATS2	3:183435713	0.93	G/A	0.48	0.57	0.17	
rs4686683	DBP	Hoffmann et al., 2017 ⁶		3:185307363	8.18	1	G/T	0.39	0.35	0.34
rs12374077*	DBP	Warren et al., 2017 ⁶	SENP2	3:185317674	2.96					
rs1706003	DBP	Evangelou et al., 2018 ¹²	TMEM44	3:194299967	0.78	T/G	0.49	0.43	0.57	
rs6777317	SBP, DBP	Evangelou et al., 2018 ¹²	DLG1	3:197070959	0.69	A/G	0.29	0.32	0.11	
rs1250129	PP	Evangelou et al., 2018 ¹²	MAEA	4:1254930	0.99	G/A	0.89	0.9	0.42	
rs55829085	DBP	Evangelou et al., 2018 ¹²	POLN	4:2165493	0.9	C/A	0.05	0.05	0.45	
rs231708	SBP	Evangelou et al., 2018 ¹²	FAM193A	4:2694773	0.97	G/C	0.3	0.32	0.66	
rs3733215	SBP	Giri et al., 2019 ⁸	FAM193A	4:2698364	90.91	0.99	C/T	0.6	0.59	0.4
rs4690028*	PP	Giri et al., 2019 ⁸	FAM193A	4:2722793	2.85					
rs2498323	PP	Hoffmann et al., 2017 ⁶		4:3451109	0.99	A/G	0.08	0.06	0.18	
rs7437940	PP	Kraja et al., 2017 ⁴⁷	AFAP1	4:7887500	1	C/T	0.6	0.59	0.41	
rs3822239	PP	Evangelou et al., 2018 ¹²	WDR1	4:10095539	0.99	A/T	0.72	0.65	0.04	
rs13122790	PP	Evangelou et al., 2018 ¹²	C10orf77	4:15356795	0.97	A/G	0.73	0.72	0.69	
rs11730129	PP	Evangelou et al., 2018 ¹²	PROM1	4:16032948	0.98	C/T	0.8	0.79	0.89	
rs2707450*	SBP	Giri et al., 2019 ⁸	LCORL	4:17942560	1.72					
rs2610990	SBP, PP	Evangelou et al., 2018 ¹²	LCORL	4:18008232	8.01	0.94	G/A	0.71	0.71	0.32
rs2011603*	PP	Giri et al., 2019 ⁸		4:18025484	3.08					
rs372822970 ^L	PP	Giri et al., 2019 ⁸		4:23918560						
rs28667801	SBP, DBP	Evangelou et al., 2018 ¹²	STIM2	4:26785356	0.76	T/A	0.43	0.45	0.13	
rs4572866	SBP	Giri et al., 2019 ⁸	TBC1D19	4:2679						

rs55940751	SBP	Hoffmann et al., 2017 ⁶			4:77365891		0.99	C/T	0.58	0.52	0.22
rs1458038*	SBP, DBP	Ehret et al., 2011 ¹⁴ ; Ehret et al., 2016 ⁹	FGF5	4:81164723	9.41						
rs16998073	DBP, HTN	Newton-Cheh et al., 2009 ¹⁵	FGF5	4:81184341	11.18	1		T/A	0.27	0.33	1
rs6535419*	PP	Giri et al., 2019 ²⁸	LINS4	4:83890975	4.61						
rs12649662*	SBP	Giri et al., 2019 ²⁸	LINS4	4:83896818	4.64						
rs6823199	SBP, PP	Evangelou et al., 2018 ¹²	LINS4	4:83925895	5.76	0.86		T/C	0.74	0.73	0.88
rs2014912	SBP	Kato et al., 2015 ¹⁹	ARHGAP2	4:86715670	1	1		T/C	0.15	0.18	0.24
rs17010957	SBP	Ehret et al., 2016 ⁹	ARHGAP24	4:86719165	0.95			C/T	0.14	0.19	0.21
rs57400569	PP	Hoffmann et al., 2017 ⁶		4:89752276	0.98			G/A	0.76	0.77	0.2
rs7694000	PP	Evangelou et al., 2018 ¹²	PDLIM5	4:95324968	0.99			T/A	0.5	0.41	0.74
rs12511169	DBP	Giri et al., 2019 ²⁸	PDLIM5	4:95573998	0.99			T/C	0.64	0.67	0.74
rs1347245	SBP, DBP	Evangelou et al., 2018 ¹²	BMXPR1B	4:95938386	5.07			G/A	0.36	0.39	0.54
rs3821964*	SBP	Giri et al., 2019 ²⁸	BMXPR1B	4:96040704	2.08						
rs17248480	SBP, DBP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ²⁸	BANK1	4:102432565	0.69			G/A	0.97	0.99	1
rs13107325	SBP, DBP	Ehret et al., 2011 ¹⁴ ; Ehret et al., 2016 ⁹	SLC39A8	4:103188709	0.98			C/T	0.92	0.97	0.8
rs223361	DBP, PP	Evangelou et al., 2018 ¹²	UBE2D3	4:103769304	0.97			T/C	0.67	0.67	0.67
rs58477215	PP	Giri et al., 2019 ²⁸	BDH2	4:10400487	0.82			T/C	0.22	0.26	0.18
rs144317085	SBP	Giri et al., 2019 ²⁸		4:105806108	0.9			T/A	0.04	0.03	0.2
rs4699165	PP	Evangelou et al., 2018 ¹²	RN7SL89P	4:106109381	0.99			A/G	0.34	0.32	0.01
rs13112725	SBP, DBP	Hoffmann et al., 2017 ⁶ ; Warren et al., 2017 ¹⁰	NPNT	4:106911742	0.87			C/G	0.77	0.83	0.11
rs7665304	SBP	Hoffmann et al., 2017 ⁶		4:109025379	0.98			A/C	0.41	0.42	0.09
rs570984510 ¹	PP	Giri et al., 2019 ²⁸		4:113743654							
rs14707988 ¹	PP	Giri et al., 2019 ²⁸		4:116550160							
rs4834735	DBP	Evangelou et al., 2018 ¹²	SYNPO2	4:119958809	0.97			T/C	0.13	0.14	0.71
rs66887589	SBP, DBP	Hoffmann et al., 2017 ⁶ ; Warren et al., 2017 ¹⁰	FABP2, PDE5A	4:12059279	0.97			C/T	0.49	0.5	0.24
rs9330353*	SBP	Giri et al., 2019 ²⁸		4:138439630	2.1						
rs7439567	SBP, DBP	Evangelou et al., 2018 ¹²	RP11-714L.20.1	4:138464842	17.9	0.96		T/C	0.41	0.46	0.5
rs893929	SBP	Hoffmann et al., 2017 ⁶		4:144187380	0.96			G/A	0.52	0.54	0.81
rs4292285	SBP, DBP	Hoffmann et al., 2017 ⁶		4:145271954	0.98			T/A	0.6	0.61	0.39
rs7666150	PP	Hoffmann et al., 2017 ⁶		4:146814640	0.95			T/C	0.5	0.51	0.88
rs1878406	SBP, PP	Hoffmann et al., 2017 ⁶		4:148393664	0.96			T/C	0.15	0.11	0.37
rs6823767	SBP	Evangelou et al., 2018 ¹²	LRBA	4:151295085	0.96			C/T	0.26	0.3	0.76
rs4691707	SBP	Ehret et al., 2016 ⁹	GUCY1A3-GUCY1B3	4:156441314	1			G/A	0.34	0.34	0.67
rs13139571	DBP	Ehret et al., 2011 ¹⁴	GUCY1A3-GUCY1B3	4:156645513	1			C/A	0.74	0.81	0.24
rs17035181	SBP, DBP, PP	Evangelou et al., 2018 ¹²	PDGFC	4:157678511	0.98			T/G	0.84	0.88	0.68
rs7672622	SBP, PP	Giri et al., 2019 ²⁸	PDGFC	4:157705551	0.93			A/G	0.72	0.78	0.8
rs184145372 ¹	PP	Hoffmann et al., 2017 ⁶		4:159150358							
rs869396	PP	Hoffmann et al., 2017 ⁶		4:169688000				C/A	0.53	0.57	0.24
rs1566497	PP	Warren et al., 2017 ¹⁰	PALLD	4:169717148	0.92			A/C	0.4	0.44	0.07
rs17059668	PP	Warren et al., 2017 ¹⁰	HAND2-AS1	4:174584663	0.72			G/C	0.08	0.07	0.91
rs4957026	SBP	Evangelou et al., 2018 ¹²	AHRH	5:361148	0.99			A/G	0.33	0.27	0.44
rs10069690	SBP, DBP, PP	Evangelou et al., 2018 ¹²	TERT	5:1279790	1			T/C	0.28	0.26	0.23
rs954767	SBP, DBP	Evangelou et al., 2018 ¹²	XRTX	5:3706050	1			C/A	0.8	0.26	0.19
rs185695143 ¹	SBP	Hoffmann et al., 2017 ⁶		5:10860486							
rs114053299 ¹	PP	Hoffmann et al., 2017 ⁶		5:12780703							
rs303343	SBP	Hoffmann et al., 2017 ⁶		5:15312553		1		T/C	0.43	0.32	0.02
rs554302100 ¹	PP	Giri et al., 2019 ²⁸		5:23365590							
rs185862045 ¹	PP	Giri et al., 2019 ²⁸		5:23370958							
rs1173771*	SBP, DBP, HTN	Ehret et al., 2011 ¹⁴	NPR3-Csor23	5:32815028	9						
rs7733331*	SBP	Ganes et al., 2014 ³¹	Csor23	5:32828846	3.84						
rs12656497	SBP, DBP	Ehret et al., 2016 ⁹	NPR3-Csor23	5:32831939	17.8	0.99		C/T	0.58	0.58	0.27
rs74774746	SBP	Evangelou et al., 2018 ¹²	TARS	5:33411769	0.93			G/C	0.72	0.74	0.47
rs7710854	SBP, PP	Evangelou et al., 2018 ¹²	NNT	5:43824677	0.78			A/G	0.88	0.9	0.05
rs168643	DBP	Hoffmann et al., 2017 ⁶		5:50935900	0.97			T/C	0.35	0.35	0.52
rs6867399	PP	Evangelou et al., 2018 ¹²	ITGA1	5:52135543	0.82			A/C	0.26	0.23	0.77
rs73754057	PP	Giri et al., 2019 ²⁸	ITGA1	5:52156781	0.84			A/T	0.25	0.24	0.6
rs1694068	SBP, PP	Hoffmann et al., 2017 ⁶		5:53283630	0.99			A/T	0.63	0.6	0.1
rs464605*	PP	Giri et al., 2019 ²⁸		5:55807370							
rs256904	SBP	Giri et al., 2019 ²⁸		5:55810305	9.18	0.99		T/A	0.71	0.75	0.36
rs13179413	SBP, DBP	Evangelou et al., 2018 ¹²	AC022431.2	5:55860907	0.75			T/C	0.29	0.21	0.17
rs111204266	DBP	Hoffmann et al., 2017 ⁶		5:56589542	0.82			G/C	0.03	0.03	1
rs12515541	SBP, DBP	Evangelou et al., 2018 ¹²	ACTBL2	5:57095011	0.98			T/G	0.6	0.7	0.55
rs1848510	DBP	Evangelou et al., 2018 ¹²	PLK2	5:57754005	0.97			A/G	0.38	0.37	0.24
rs10062049	SBP, DBP	Giri et al., 2019 ²⁸ ; Evangelou et al., 2018 ¹²	KIF2A	5:61553881	0.98			T/C	0.13	0.17	0.25
rs3121685	SBP	Evangelou et al., 2018 ¹²	SREK1	5:65662133	0.93			C/T	0.52	0.47	0.2
rs4286632*	SBP, DBP	Evangelou et al., 2018 ¹²	MAST4	5:66291370	3.65						
rs1159201	SBP	Giri et al., 2019 ²⁸	MAST4	5:66311339	62.65	0.96		A/G	0.75	0.73	0.28
rs246973	SBP	Evangelou et al., 2018 ¹²	SLC30A5	5:68007803	0.91			T/C	0.29	0.26	0.32
rs13163538	PP	Giri et al., 2019 ²⁸		5:71068161	0.93			G/C	0.82	0.8	0.18
rs7714219	PP	Hoffmann et al., 2017 ⁶		5:71654855	0.89			C/G	0.66	0.6	0.52
rs2972207	PP	Giri et al., 2019 ²⁸	FOXD1	5:72645718	1.9	0.91		T/C	0.12	0.14	0.95
rs4443403*	PP	Evangelou et al., 2018 ¹²	FOXD1	5:72654304	1.66						
rs40060	DBP	Kraja et al., 2017 ⁴⁷	ANKKDD1B	5:74967386	1			C/T	0.35	0.32	4.07E-03
rs10078021	DBP	Warren et al., 2017 ¹⁰	POCS	5:75038431	2.17	0.95		G/T	0.38	0.34	0.8
rs258494*	DBP	Hoffmann et al., 2017 ⁶		5:75038718	1.12						
rs10057188	SBP, PP	Hoffmann et al., 2017 ⁶ ; Warren et al., 2017 ¹⁰	LHFPL2	5:77837789	0.82			G/A	0.52	0.57	0.83
rs17286052	SBP, DBP	Hoffmann et al., 2017 ⁶		5:87430302	0.85			A/G	0.85	0.88	0.67
rs10059921	SBP	Warren et al., 2017 ¹⁰	TMEM161B	5:87514515	0.68			G/T	0.91	0.94	0.79
rs62380354	DBP	Evangelou et al., 2018 ¹²	RP11-61G23.1	5:89484911	0.76			A/C	0.91	0.93	0.73
rs17082391 ¹	DBP	Hoffmann et al., 2017 ⁶		5:91900785	0.88			C/G	0.96	0.99	0.06
rs42398	SBP	Giri et al., 2019 ²⁸	ERAP1	5:96120455	1			T/C	0.85	0.82	0.92
rs709668	SBP, DBP	Evangelou et al., 2018 ¹²	CTD-2260A17.2	5:96174186	1			G/A	0.8	0.79	0.48
rs286809	PP	Evangelou et al., 2018 ¹²	FBXL17	5:107458637	0.98			G/A	0.82	0.8	0.85
rs62361303	PP	Hoffmann et al., 2017 ⁶		5:108102727	0.92			C/T	0.83	0.87	0.09
rs4475250	SBP, DBP	Hoffmann et al., 2017 ⁶		5:114375552	0.97			G/A	0.59	0.54	0.7
rs10077885 ⁴	SBP, DBP	Ehret et al., 2016 ⁹	TRIM36	5:114390121							
rs7727978*	PP	Giri et al., 2019 ²⁸		5:119763060	1.77						
rs1432457	SBP, PP	Evangelou et al., 2018 ¹²	PRR16	5:119781569	9.27	0.97		G/A	0.28	0.28	0.77
rs2914609	PP	Hoffmann et al., 2017 ⁶		5:121287061	0.89			T/C	0.16	0.13	0.1
rs1008058	SBP	Surendran et al., 2016 ³⁸	PRDM6	5:122435627	1			A/G	0.11	0.21	0.3
rs13359291	SBP	Kato et al., 2015 ¹⁹	PRDM6	5:122476457	1			A/G	0.17	0.28	0.45
rs6891344	DBP	Ehret et al., 2016 ⁹	CSNK1G3	5:123136656	1			A/G	0.81	0.84	0.28
rs1124235	SBP	Giri et al., 2019 ²⁸	FLJ33630	5:127350123	1.67	0.93		T/A	0.1	0.16	0.21
rs62373688*	SBP	Evangelou et al., 2018 ¹²	CTC-228N24.3	5:127352807	1.31						
rs6595838	SBP, DBP	Hoffmann et al., 2017 ⁶ ; Warren et al., 2017 ¹⁰	BN2	5:127868199	0.99			A/G	0.28	0.29	0.1
rs2188962	DBP	Liu et al., 2016 ²	Csor56	5:131770805	69.68	1		C/T	0.61	0.63	0.57
rs12521868*	DBP	Surendran et al., 2016 ³⁸	Csor56	5:131784393	13.12						
rs7734334	DBP	Hoffmann et al., 2017 ⁶		5:131815004	0.99			A/C	0.34	0.37	0.25
rs55747751	DBP	Evangelou et al., 2018 ¹²	HSPA4	5:132397351	0.75			G/A	0.94	0.9	0.28
rs702395*	SBP, PP	Evangelou et al., 2018 ¹²	ZMAT2	5:14006677	15.65						
rs2530225	PP	Giri et al., 2019 ²⁸	VTRNA1-3	5:140102539	40.23	0.92		A/G	0.46	0.48	0.05
rs1650911 ¹	SBP, DBP	Evangelou et al., 2018 ¹²	AC00592.2	5:141740620							
rs10477176	SBP	Giri et al., 2019 ²⁸	SPRY4	5:141790325	0.98			A/G	0.75	0.78	0.97
rs114534	PP	Hoffmann et al., 2017 ⁶		5:142533657	0.99			G/A	0.4	0.44	0.95
rs2400509	PP	Evangelou et al., 2018 ¹²	RP11-373N22.3	5:147696018	0.99			G/A	0.75	0.75	0.17
rs3407047	SBP, DBP	Giri et al., 2019 ²⁸	HTR4								

rs12216497	PP	Evangelou et al., 2018 ¹²	RNF144B	6:19028623	0.98	T/C	0.56	0.61	0.9	
rs9368222	SBP, PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁴⁸	CDKAL1	6:20686996	1	A/C	0.28	0.24	0.38	
rs6911827	SBP, DBP	Warren et al., 2017 ⁴⁶	CASC15	6:22130601	1.1					
rs4712656	SBP	Hoffmann et al., 2017 ⁴⁶	TNXB	6:22136262	1.66					
rs1799945	SBP, DBP, HTN	Ehret et al., 2016 ⁴ ; Ehret et al., 2016 ⁴ ; Johnson et al., 2011b ⁴⁵ ; Ganesh et al., 2013 ³⁶	HFE	6:26091179	0.97	G/C	0.45	0.48	0.21	
rs198823	DBP	Ganesh et al., 2014 ⁴³	HIST1H2BC	6:26122933	1	G/T	0.17	0.12	0.34	
rs6914824	SBP	Giri et al., 2019 ⁴⁸	MIR3143	6:27139048	1	T/C	0.14	0.12	0.73	
rs1692877	DBP, PP	Hoffmann et al., 2017 ⁴⁶		6:27854760	0.98	C/A	0.85	0.81	0.08	
rs805303	SBP, DBP, HTN	Ehret et al., 2011 ¹⁴	BAT2-BAT5	6:31616366	1	G/A	0.63	0.64	0.97	
rs409558	PP	Liu et al., 2016 ⁴²	MHS5-SAPCD1	6:31708147	1	T/C	0.82	0.82	0.49	
rs185819	SBP, DBP, PP	Wain et al., 2011 ³⁷		6:32050067	1	C/T	0.55	0.52	0.4	
rs2187668	DBP	Ehret et al., 2016 ⁴	BAT2-BAT5	6:32605884	17.88	C/T	0.89	0.89	0.94	
rs2854275*	DBP	Tragante et al., 2014 ⁴²	HLA-DQB1	6:32628428	1.64					
rs210156	DBP	Hoffmann et al., 2017 ⁴⁶		6:32517362	0.99	G/A	0.65	0.68	0.95	
rs11770268	PP	Giri et al., 2019 ⁴⁸	GRAM4	6:34128961	0.95	C/T	0.98	0.98	1	
rs73744859	SBP	Giri et al., 2019 ⁴⁸	HMG1A1	6:34208190	24.79	0.97	C/T	0.03	0.03	0.43
rs115245297*	SBP, DBP	Evangelou et al., 2018 ¹²	NUDT3	6:34244132	7.5					
rs176336	PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁴⁸	CDKN1A	6:36648816	0.95	A/T	0.61	0.64	0.43	
rs1544935	DBP	Hoffmann et al., 2017 ⁴⁶		6:39124448	0.97	T/G	0.77	0.73	0.12	
rs649472	PP	Hoffmann et al., 2017 ⁴⁶		6:42673015	0.98	T/C	0.7	0.72	0.39	
rs2270860	SBP	Liu et al., 2016 ⁴²	SLC22A7	6:43270151	9.22	1	T/C	0.34	0.26	0.88
rs10948071*	PP	Ganesh et al., 2014 ³³	CRIP3	6:43280713	11.34					
rs1563788*	SBP	Kato et al., 2015 ³⁹	TBK1.SLC22A7.ZNF31	6:43308363	6.85					
rs6919440	SBP	Ehret et al., 2016 ⁴	ZNF318-ABCC10	6:43352898	14.82	0.96	G/A	0.46	0.37	0.23
rs9472135	DBP	Evangelou et al., 2018 ¹²	VEGFA	6:43809802	0.96	T/C	0.7	0.68	0.54	
rs78648104	SBP, DBP	Warren et al., 2017 ⁴⁶	TFAP2D	6:50683009	1	C/T	0.12	0.1	0.04	
rs13205180	KDBP	Hoffmann et al., 2017 ⁴⁶ ; Warren et al., 2017 ⁴⁶	PKHD1	6:51832494	0.95	T/C	0.47	0.48	0.52	
rs670463	PP	Hoffmann et al., 2017 ⁴⁶		6:53977495	1	G/A	0.34	0.33	0.69	
rs115079907 ⁴¹	PP	Giri et al., 2019 ⁴⁸	COL21A1	6:55924005						
rs200999181 ⁴¹	SBP, PP	Giri et al., 2019 ⁴⁸ ; Surendran et al., 2016 ⁴⁸	COL21A1	6:55935568						
rs2764043 ⁴¹	PP	Giri et al., 2019 ⁴⁸	COL21A1	6:56035643						
rs4140574	PP	Hoffmann et al., 2017 ⁴⁶		6:56099424	0.93	T/A	0.48	0.47	0.84	
rs1925153	PP	Liu et al., 2016 ⁴²	COL21A1	6:56102780	1	C/T	0.57	0.55	0.05	
rs504691	DBP	Evangelou et al., 2018 ¹²	OGFRL1	6:72206620	0.98	C/A	0.59	0.52	0.14	
rs12195276	SBP, PP	Evangelou et al., 2018 ¹²	KCNQ5	6:73657714	0.9	C/T	0.26	0.29	0.57	
rs10943605*	DBP	Liu et al., 2016 ⁴²	PHIP	6:79655477						
rs2050663	SBP, DBP	Hoffmann et al., 2017 ⁴⁶		6:79753394	1.03	0.96	C/T	0.48	0.42	0.44
rs7753695	DBP	Evangelou et al., 2018 ¹²	BCKDHB	6:80818531	0.92	T/C	0.46	0.43	0.11	
rs36114380	DBP	Giri et al., 2019 ⁴⁸		6:85219078	0.97	A/G	0.87	0.82	2.19E-03	
rs60255247	PP	Evangelou et al., 2018 ¹²		6:85283253	0.96	A/C	0.89	0.86	0.21	
rs35410524	SBP	Hoffmann et al., 2017 ⁴⁶	TBX18	6:96885405	0.96	T/C	0.21	0.14	0.25	
rs72613227	DBP	Evangelou et al., 2018 ¹²	PRDM1	6:106320771	0.74	T/A	0.11	0.11	0.66	
rs9486916	SBP, PP	Evangelou et al., 2018 ¹²	FOXO3	6:109013930	1	T/C	0.23	0.19	0.81	
rs2012071	SBP	Giri et al., 2019 ⁴⁸	FYN	6:112087768	0.96	G/A	0.5	0.53	0.88	
rs36061333	DBP	Hoffmann et al., 2017 ⁴⁶		6:116311763	0.97	C/G	0.79	0.83	0.61	
rs1761870	DBP	Hoffmann et al., 2017 ⁴⁶		6:117264985	0.99	G/A	0.22	0.21	0.35	
rs35189230	DBP	Hoffmann et al., 2017 ⁴⁶		6:117816351	0.99	D/I	0.75	0.79	0.22	
rs9372498*	SBP, DBP	Warren et al., 2017 ⁴⁶	SLC35F1	6:118572486	1.76					
rs1630266	DBP	Hoffmann et al., 2017 ⁴⁶		6:118612943	2.82	1	A/G	0.09	0.06	0.68
rs9401090	SBP	Evangelou et al., 2018 ¹²	MCM9	6:119113317	1	T/C	0.76	0.77	0.41	
rs11154027	PP	Warren et al., 2017 ⁴⁶	GJA1	6:121781390	0.96	T/C	0.48	0.43	0.63	
rs12206253	PP	Hoffmann et al., 2017 ⁴⁶		6:122192592	0.9	C/T	0.89	0.88	0.53	
rs6925750	PP	Evangelou et al., 2018 ¹²	HSF2	6:122287990	0.85	T/C	0.88	0.87	0.6	
rs1154334	SBP	Giri et al., 2019 ⁴⁸	NCOA7	6:126214624	0.98	C/A	0.4	0.38	0.24	
rs10782230	SBP, PP	Evangelou et al., 2018 ¹²	NCOA7	6:126228512	0.99	A/G	0.5	0.47	1	
rs1361831	SBP, DBP	Ehret et al., 2016 ⁴	RSPO3	6:127181089	0.97	C/T	0.45	0.43	0.25	
rs9885632	SBP, PP	Evangelou et al., 2018 ¹²	EPB41L2	6:131311909	0.99	T/C	0.73	0.77	0.26	
rs4896104	PP	Evangelou et al., 2018 ¹²	ALDH8A1	6:135119089	0.9	C/T	0.42	0.42	0.95	
rs668459	DBP	Evangelou et al., 2018 ¹²	CITED2	6:139835689	1	C/T	0.43	0.44	0.86	
rs7765294	SBP	Evangelou et al., 2018 ¹²	CITED2	6:140583733	0.9	C/T	0.69	0.74	0.64	
rs1570350	PP	Hoffmann et al., 2017 ⁴⁶	CXCL12	6:143592386	0.95	A/G	0.54	0.56	0.93	
rs7765526	SBP, DBP	Evangelou et al., 2017 ⁴⁶	STXBP5	6:147713764	0.97	A/G	0.48	0.49	0.38	
rs17080093	DBP	Ehret et al., 2016 ⁴	PLEKHG1	6:150997440	1	C/T	0.92	0.93	0.67	
rs13192976*	PP	Hoffmann et al., 2017 ⁴⁶		6:152312415	1.01					
rs36083386	PP	Warren et al., 2017 ⁴⁶	ESR1	6:152397912	2.89	0.85	U/D	0.11	0.15	0.23
rs9479509	DBP	Evangelou et al., 2018 ¹²	RGS17	6:153427265	0.96	G/A	0.7	0.73	0.17	
rs598682	SBP, DBP	Evangelou et al., 2018 ¹²	OPRM1	6:154418759	1	G/A	0.77	0.75	0.35	
rs12208834	PP	Hoffmann et al., 2017 ⁴⁶		6:157287299	0.88	G/A	0.3	0.33	0.71	
rs516143	PP	Hoffmann et al., 2017 ⁴⁶		6:159696185	0.93	G/C	0.12	0.1	1	
rs449789	PP	Warren et al., 2017 ⁴⁶	FND1C	6:159699125	0.94	C/G	0.12	0.1	0.93	
rs555754	PP	Evangelou et al., 2018 ¹²	SLC22A3	6:160769423	0.98	G/A	0.52	0.5	0.43	
rs9456648	DBP	Evangelou et al., 2018 ¹²	AGPAT4	6:161712235	0.98	C/T	0.69	0.69	0.5	
rs4709746	DBP	Hoffmann et al., 2017 ⁴⁶		6:164133001	0.87	C/T	0.87	0.92	0.06	
rs903432	DBP	Hoffmann et al., 2017 ⁴⁶		6:166175471	1.63	0.88	A/G	0.95	0.93	0.16
rs147212971*	DBP	Warren et al., 2017 ⁴⁶	PDE10A	6:166178451	1.17					
rs4342401	PP	Evangelou et al., 2018 ¹²	SMOC2*	6:169016615	0.98	A/T	0.5	0.57	0.49	
rs1322639	PP	Hoffmann et al., 2017 ⁴⁶ ; Warren et al., 2017 ⁴⁶	THBS2	6:169587103	0.96	A/G	0.77	0.8	0.79	
rs9356632	SBP	Giri et al., 2019 ⁴⁸		6:170589803	0.68	G/A	0.86	0.85	1	
rs73033340	SBP, DBP	Evangelou et al., 2018 ¹²	ZFAND2A	7:1195692	0.49	A/G	0.96	0.98	0.11	
rs12670854	SBP	Hoffmann et al., 2017 ⁴⁶		7:1731866	0.78	A/G	0.88	0.93	1	
rs11486794	DBP	Hoffmann et al., 2017 ⁴⁶		7:2491918	0.88	C/T	0.85	0.86	0.44	
rs2969070	SBP, DBP	Ehret et al., 2016 ⁴	CHST12_LFNG	7:2512545	0.96	G/A	0.36	0.36	0.43	
rs73049928	DBP	Evangelou et al., 2018 ¹²	FOXK1	7:4669949	0.86	G/A	0.23	0.25	0.14	
rs1468520	DBP	Evangelou et al., 2018 ¹²	C10GAL1	7:7290732	0.98	G/A	0.18	0.21	0.31	
rs2107595	PP	Kato et al., 2015 ³⁹	HIDAC9	7:19049388	0.85	A/G	0.17	0.21	0.02	
rs4507656	SBP, DBP	Evangelou et al., 2018 ¹²	RARGE5	7:22156538	0.49	G/C	0.31	0.28	0.37	
rs2069833	PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁴⁸	IL6	7:22767664	0.96	C/T	0.41	0.46	0.44	
rs12979	SBP	Evangelou et al., 2018 ¹²	DNA5	7:24738164	0.95	C/G	0.87	0.86	0.95	
rs1055144	PP	Kraja et al., 2017 ⁴⁷	7p15.2	7:25871109	1	T/C	0.21	0.17	0.68	
rs6969780	DBP	Liu et al., 2016 ⁴²	HOXA3	7:27159136	1	C/G	0.1	0.09	0.16	
rs3735533	SBP, DBP	Ehret et al., 2016 ⁴	HOTTIP-EXV	7:27245893	0.9	C/T	0.94	0.88	0.83	
rs10274928	SBP	Evangelou et al., 2018 ¹²	JAZF1	7:28142088	0.89	A/G	0.47	0.5	1	
rs917275	PP	Hoffmann et al., 2017 ⁴⁶		7:28658522	0.84	G/A	0.42	0.41	0.76	
rs10216063	SBP	Giri et al., 2019 ⁴⁸	4MT-MINDY4, MINDY	7:30915263	0.89	G/A	0.16	0.15	0.6	
rs10233127	SBP, DBP	Evangelou et al., 2018 ¹²	AQP1	7:30933453	0.74	A/T	0.1	0.09	0.55	
rs342989	DBP	Evangelou et al., 2018 ¹²	TBX20	7:35467896	1	A/G	0.21	0.21	0.18	
rs76206723*	PP	Warren et al., 2017 ⁴⁶	SUGCT	7:40447971	1.99					
rs12538229	PP	Hoffmann et al., 2017 ⁴⁶		7:40460129	2.07	0.79	C/T	0.91	0.84	0.2
rs12701929	PP	Evangelou et al., 2018 ¹²	AC005027.3	7:41722494	0.74	T/C	0.21	0.17	0.92	
rs2971669	PP	Hoffmann et al., 2017 ⁴⁶		7:44231778	0.98	T/C	0.22	0.19	0.2	
rs73105827	DBP	Evangelou et al., 2018 ¹²	CCM2	7:45036785	0.9	G/T	0.89	0.91	0.51	
rs2949837	PP	Ganesh et al., 2014 ⁴³	IGFBP3	7:45994378	0.77	A/T	0.7	0.73	0.77	
rs11977526	PP	Liu et al., 2016 ⁴²	IGFBP3	7:46008110	2.84	1	G/A	0.6	0.63	0.62
rs10260816*	PP	Kato et al., 2015 ³⁹	IGFBP3	7:46010100	2.33					
rs13227393	PP	Giri et al., 2019 ⁴⁸		7:46550527	0.84	C/T	0.09	0.11	1	
rs71543920	PP	Evangelou et al., 2018 ¹²	AC011294.3	7:46554538	0.85	G/T	0.06	0.06	0.71	
rs12608436	SBP, PP	Evangelou et al., 2018 ¹²	TNS3	7:47548893	0.96	C/T	0.28	0.27	0.82	
rs17454517	DBP	Evangelou et al., 2018 ¹²	GRB10	7:59915776	0.98	A/G	0.47	0.49	0.28	
rs695297	SBP	Evangelou et al., 2018 ¹²	CCT6A	7:56122058	0.99	A/T	0.32	0.26	0.91	
rs530130707*	PP	Giri et al., 2019 ⁴⁸		7:57623507	1.3	</				

rs560276033	PP	Hoffmann et al., 2017 ⁸⁶		7:91268940	0.81	D/I	0.09	0.1	0.81		
rs2282978	PP	Tragante et al., 2014 ⁴²		CDK6	7:92264410	1	T/C	0.64	0.69	0.58	
rs1947228	DBP	Evangelou et al., 2018 ¹²		SHEM1	7:96461649	1	C/T	0.56	0.61	0.76	
rs1015538	DBP	Hoffmann et al., 2017 ⁸⁶			7:99626035	0.97	A/G	0.34	0.32	0.73	
rs34489224	PP	Hoffmann et al., 2017 ⁸⁶			7:100525559	0.67	C/G	0.72	0.77	0.74	
rs12705390	SBP, PP	Ganesh et al., 2014 ³¹ ; Ehret et al., 2016 ⁴⁹		PIK3CG	7:106410777	24.92	1	A/G	0.22	0.2	0.12
rs17477177*	SBP, PP	Wain et al., 2011 ¹⁷		PIK3CG	7:106411858	1.44					
rs67183972*	PP	Giri et al., 2019 ⁸⁸		COG5	7:106922379	1.39					
rs115172170	SBP, PP	Evangelou et al., 2018 ¹²		COG5	7:107019947	2.1	0.98	C/T	0.06	0.03	0.81
rs17423264	SBP	Hoffmann et al., 2017 ⁸⁶			7:108090255	0.58		C/T	0.91	0.92	0.18
rs1966323	PP	Hoffmann et al., 2017 ⁸⁶			7:116571847	0.95		T/C	0.31	0.36	0.11
rs185903930	SBP	Giri et al., 2019 ⁸⁸		SLC13A1	7:122828273	0.75	A/C	0.01	0	1	
rs4728142	SBP	Surendran et al., 2016 ³⁶			7:128573967	1	G/A	0.55	0.57	0.28	
rs11556924	SBP, DBP	Ehret et al., 2016 ⁴⁹ ; Hoffmann et al., 2017 ⁸⁶		ZC3HC1	7:129634396	1	C/T	0.62	0.6	4.10E-03	
rs34072724	SBP, DBP, PP	Evangelou et al., 2018 ¹²		KLF14	7:130432469	2.74	0.99	G/A	0.55	0.49	0.52
rs972283*	SBP, DBP	Kraja et al., 2017 ⁴⁷		LOC105375508	7:130466854	2.37					
rs13238550	SBP, DBP	Warren et al., 2017 ⁸⁰		PODXL, MKLN1	7:131059056	0.99	A/G	0.34	0.45	0.12	
rs6957161	SBP, DBP	Hoffmann et al., 2017 ⁸⁶			7:131361319	0.99	A/G	0.24	0.25	0.62	
rs1722886	DBP	Evangelou et al., 2018 ¹²		AKR1B10	7:134215259	0.99	A/T	0.58	0.57	0.86	
rs10267979	PP	Evangelou et al., 2018 ¹²		CHRM2	7:136618188	0.96	T/A	0.65	0.64	0.85	
rs273957	PP	Hoffmann et al., 2017 ⁸⁶			7:137600690	1	T/C	0.63	0.64	0.92	
rs1011018	SBP	Warren et al., 2017 ⁸⁰		TXNIP2	7:139463264	0.98	G/A	0.78	0.81	0.45	
rs12703989	SBP	Evangelou et al., 2018 ¹²		DENND2A	7:140238048	0.64	A/G	0.5	0.5	0.6	
rs73727605	PP	Evangelou et al., 2018 ¹²		ZNF467	7:149474622	0.88	A/G	0.08	0.04	1	
rs11771693	SBP	Evangelou et al., 2018 ¹²		RARRS2	7:150050111	0.95	A/G	0.68	0.68	0.79	
rs3918226	DBP, HTN	Johnson et al., 2011 ⁸¹ ; Salvi et al., 2012 ⁴⁴		NOS3	7:150690176	0.9	T/C	0.1	0.1	1	
rs891511	DBP	Liu et al., 2016 ⁵²		NOS3	7:150704843	1	G/A	0.67	0.62	0.8	
rs1870735	SBP, DBP	Evangelou et al., 2018 ¹²		AC021218.2	7:155744303	0.88	C/G	0.41	0.47	0.26	
rs9638084	SBP, DBP	Evangelou et al., 2018 ¹²		LINC01006	7:156311745	0.95	A/G	0.42	0.41	0.59	
rs11630016	DBP	Hoffmann et al., 2017 ⁸⁶			7:158048396	0.88	C/T	0.96	0.94	0.51	
rs4875958	SBP	Evangelou et al., 2018 ¹²		CLN8	8:1271090	1	A/G	0.68	0.7	0.94	
rs2922895	DBP	Evangelou et al., 2018 ¹²		MCPH1	8:6379932	0.95	C/G	0.44	0.47	0.68	
rs61040371	SBP	Evangelou et al., 2018 ¹²		CLDN23	8:8503700	0.98	T/C	0.63	0.59	0.59	
rs62491354	SBP	Evangelou et al., 2018 ¹²		TNKS	8:9730663	0.99	A/G	0.11	0.15	0.5	
rs9650650	PP	Giri et al., 2019 ⁸⁸		MSRA	8:10247976	6.87	1	T/C	0.32	0.36	0.87
rs2001337*	SBP	Giri et al., 2019 ⁸⁸		MSRA	8:10251154	1.49					
rs1986971	SBP, PP	Evangelou et al., 2018 ¹²		MSRA	8:10268736	0.92	A/G	0.69	0.7	0.41	
rs2898290	SBP	Ehret et al., 2016 ⁴⁹		BLK-GATA4	8:11433909	0.97	T/C	0.45	0.46	0.75	
rs75902664	DBP	Evangelou et al., 2018 ¹²		SLC7A2	8:17427186	0.93	G/A	0.01	0.02	0.44	
rs80073370	SBP	Hoffmann et al., 2017 ⁸⁶			8:19833156	0.93	A/T	0.89	0.94	0.33	
rs1047030	SBP, DBP	Evangelou et al., 2018 ¹²		SORBS3	8:22428708	1	A/G	0.79	0.8	0.52	
rs2280861	DBP	Hoffmann et al., 2017 ⁸⁶			8:23404785	0.98	G/A	0.25	0.21	0.2	
rs7008914*	SBP	Hoffmann et al., 2017 ⁸⁶			8:25880400	1.63					
rs6557876	SBP, DBP, PP	Wain et al., 2011 ¹⁷		EBF2	8:25900675	87.31	0.98	C/T	0.73	0.72	0.97
rs2979470	SBP, DBP	Evangelou et al., 2018 ¹²		RBPMS	8:30288272	0.98	T/C	0.49	0.49	0.77	
rs28594215	PP	Hoffmann et al., 2017 ⁸⁶			8:32395518	0.98	A/G	0.44	0.44	0.15	
rs7845722	PP	Evangelou et al., 2018 ¹²		MAK16,TT12	8:33309993	0.99	G/A	0.39	0.4	0.74	
rs6996562	PP	Giri et al., 2019 ⁸⁸		RNF122	8:33392023	0.97	A/C	0.45	0.43	0.01	
rs1906672*	SBP, PP	Evangelou et al., 2018 ¹²		WHSC1L1	8:38130025	6.93					
rs11785041*	SBP	Giri et al., 2019 ⁸⁸		WHSC1L1	8:38206242	8.45					
rs56322953	PP	Giri et al., 2019 ⁸⁸		LETM2	8:38243227	107.21	0.91	A/T	0.26	0.26	0.25
rs2978456	PP	Warren et al., 2017 ⁸⁰		SLC20A2	8:42324765	0.58	T/C	0.55	0.6	0.48	
rs10958717	PP	Hoffmann et al., 2017 ⁸⁶			8:42351585	0.97	C/G	0.41	0.41	0.43	
rs11993898	SBP	Hoffmann et al., 2017 ⁸⁶			8:51936632	0.95	C/T	0.18	0.15	0.1	
rs551353004	PP	Giri et al., 2019 ⁸⁸		TOX	8:60553824	0.83	A/C	0.86	0.85	0.53	
rs6996733	SBP	Evangelou et al., 2018 ¹²		YTHDF3	8:64501744	0.99	A/C	0.67	0.69	0.71	
rs2354862	SBP, DBP, PP	Evangelou et al., 2018 ¹²		PREX2	8:68920135	0.97	T/C	0.3	0.27	0.8	
rs13253558	SBP	Giri et al., 2019 ⁸⁸		RDDH10	8:7421406	0.96	C/G	0.82	0.8	0.75	
rs7837090	PP	Hoffmann et al., 2017 ⁸⁶			8:7654904	1	A/G	0.43	0.52	0.45	
rs1350100	PP	Hoffmann et al., 2017 ⁸⁶			8:76591880	0.98	A/C	0.54	0.6	0.34	
rs1449544	PP	Hoffmann et al., 2017 ⁸⁶			8:77587816	0.95	A/G	0.81	0.79	0.01	
rs7838781	PP	Evangelou et al., 2018 ¹²		Y_RNA	8:81392697	0.99	C/T	0.8	0.88	0.58	
rs72688070	SBP, DBP	Hoffmann et al., 2017 ⁸⁶			8:82849452	1	C/T	0.57	0.51	0.06	
rs10103553	DBP	Evangelou et al., 2018 ¹²		OSGIN2	8:90940205	0.91	G/C	0.48	0.46	0.56	
rs2142141	DBP	Evangelou et al., 2018 ¹²		LRRG9	8:92149429	1.26					
rs7009170*	PP	Giri et al., 2019 ⁸⁸		SLC26A7	8:92254341	1.9	0.95	A/T	0.69	0.65	0.7
rs10956797	PP	Giri et al., 2019 ⁸⁸		GEM	8:95264265						
rs138582164	PP	Evangelou et al., 2018 ¹²		NDUFAF6	8:95969257	0.98	G/A	0.46	0.56	0.25	
rs4582532	PP	Giri et al., 2019 ⁸⁸		NDUFAF6	8:95986927	1	A/G	0.27	0.33	0.1	
rs10086284	PP	Warren et al., 2017 ⁸⁰		SNX31	8:101676675	0.99	A/C	0.53	0.52	0.36	
rs2978098	DBP	Evangelou et al., 2018 ¹²		NCALD	8:102750597	0.91	C/T	0.95	0.96	0.28	
rs142449193	SBP, DBP	Evangelou et al., 2018 ¹²		LRP12/ZFPM2	8:105966258	1.62					
rs35783704*	SBP	Wain et al., 2011 ¹⁷			8:105978368	2.14	0.96	T/A	0.9	0.86	0.14
rs11774829	SBP	Giri et al., 2019 ⁸⁸			8:105982216	0.99	A/C	0.81	0.78	0.58	
rs13263073	PP	Giri et al., 2019 ⁸⁸			8:110098632	1	G/C	0.43	0.32	0.11	
rs5772	PP	Evangelou et al., 2018 ¹²		TRHR	8:110107161	0.91	A/G	0.76	0.68	0.2	
rs28499085	SBP, PP	Giri et al., 2019 ⁸⁸			8:116956810	0.87	C/T	0.24	0.23	0.54	
rs5021979	PP	Evangelou et al., 2018 ¹²		LINC00536	8:116959837	0.94	A/C	0.17	0.18	0.05	
rs2205260	PP	Wain et al., 2011 ¹⁷		NOV(3'UTR)	8:120435812	1	T/C	0.22	0.25	0.64	
rs2071518	PP	Hoffmann et al., 2017 ⁸⁶		KLHL38	8:124673630	0.95	C/T	0.17	0.19	0.51	
rs56123029	SBP	Hoffmann et al., 2017 ⁸⁶			8:126506694	0.92	G/A	0.62	0.61	0.05	
rs112875651	SBP	Giri et al., 2019 ⁸⁸			8:129451697	0.99	T/C	0.56	0.63	0.92	
rs17804558	SBP	Evangelou et al., 2018 ¹²		RP11-89M16.1	8:129483956	0.94	T/C	0.62	0.66	0.77	
rs4598218	SBP, PP	Giri et al., 2019 ⁸⁸			8:130748057	0.07	A/C	0	0	1	
rs59128832	PP	Warren et al., 2017 ⁸⁰		ZFAT	8:135612745	50.26	0.99	G/A	0.43	0.47	0.28
rs894344	SBP	Kraja et al., 2017 ⁴⁷		ZFAT	8:135637337	1.56					
rs12680655*	SBP, DBP	Giri et al., 2019 ⁸⁸			8:136382116						
rs38845166	PP	Hoffmann et al., 2017 ⁸⁶			8:141059650	30.9	0.96	C/T	0.36	0.29	0.64
rs4631439	PP	Warren et al., 2017 ⁸⁰		TRAPPC9	8:141060027	24.55					
rs4454254*	PP	Evangelou et al., 2018 ¹²		PTK2	8:141858620	1	T/C	0.45	0.51	0.12	
rs10087782	SBP, DBP	Surendran et al., 2016 ³⁶		GPR20	8:142367087	1	T/C	0.05	0.07	0.83	
rs34591516	SBP	Hoffmann et al., 2017 ⁸⁶			8:142396481	0.87	A/G	0.08	0.1	0.42	
rs76735299	SBP	Evangelou et al., 2018 ¹²		TSNARE1	8:143312933	0.89	A/C	0.45	0.4	0.83	
rs4129585	SBP, DBP	Giri et al., 2019 ⁸⁸		TSNARE1	8:143333231	0.87	A/G	0.57	0.54	0.17	
rs7012636	SBP	Hoffmann et al., 2017 ⁸⁶		CYP11B1, CYP11B2	8:146060655	0.9	G/A	0.46	0.49	0.46	
rs62524579	SBP, DBP	Evangelou et al., 2018 ¹²		PLEC	8:14981488	0.86	G/A	0.95	0.97	1	
rs56233017	DBP	Evangelou et al., 2018 ¹²		KANK1	9:753648	0.96	G/A	0.18	0.15	1	
rs60191654	SBP	Evangelou et al., 2018 ¹²		RP11-125B21.2	9:2493751	0.98	T/G	0.82	0.81	0.07	
rs12216886	DBP	Evangelou et al., 2018 ¹²		GLIS3	9:4334791	0.78	G/C	0.84	0.9	0.39	
rs28558845	SBP	Hoffmann et al., 2017 ⁸⁶			9:8010674	0.87	A/C	0.27	0.31	0.52	
rs7041664	SBP, PP	Evangelou et al., 2018 ¹²		PTPRD	9:9350706	0.99	T/C	0.34	0.35	0.38	
rs1332813	SBP, DBP	Evangelou et al., 2018 ¹²		PTPRD	9:10594635	0.88	C/T	0.31	0.34	0.08	
rs35287509	DBP	Evangelou et al., 2018 ¹²		BNC2	9:16872323	0.78	A/G	0.15	0.14	0.23	
rs11789875	PP	Evangelou et al., 2018 ¹²		HAUS6	9:19057551	0.98	C/T	0.3	0.27	0.37	
rs4977492	PP	Giri et al., 2019 ⁸⁸		HAUS6	9:19105638	3.18					
rs7574378*	PP	Giri et al., 2019 ⁸⁸		PLR2	9:1911187	4.03	0.84	T/C	0.12	0.14	0.95
rs111791351	SBP	Giri et al., 2019 ⁸⁸		MLL2	9:206125						

rs1861881	DBP	Evangelou et al., 2018 ¹²	RP11-264C15.2	9:119312256	0.97	T/G	0.32	0.32	0.76
rs10760117	SBP	Ehret et al., 2016 ⁹	PSMD5	9:123886737	1	T/G	0.41	0.41	0.04
rs7856420	PP	Hoffmann et al., 2017 ⁶⁶		9:123839157	0.99	G/C	0.31	0.33	0.55
rs10760260	PP	Kraja et al., 2017 ¹⁷	RABGAP1	9:125713526	8.03	1	G/T	0.85	0.88
rs10818775*	SBP, PP	Hoffmann et al., 2017 ⁶⁶		9:125755571	1.25				
rs7861040	SBP, PP	Evangelou et al., 2018 ¹²	NEK6	9:127044135	0.98	G/C	0.67	0.67	0.25
rs72765298	SBP, PP	Warren et al., 2017 ¹⁰	RABEPK, SCAI	9:127900996	3.98	0.91	C/T	0.11	0.09
rs139703184*	PP	Hoffmann et al., 2017 ⁶⁶		9:127937746	3.42				
rs7023828*	SBP, PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁶⁸	PBX3	9:128498594	1.65	0.98	A/G	0.63	0.64
rs13288002	PP	Giri et al., 2019 ⁶⁸	PBX3	9:128593470	3.64	0.98	A/G	0.63	0.64
rs1891730	SBP, DBP	Evangelou et al., 2018 ¹²	FAM129B	9:130590828	0.94	C/T	0.35	0.38	0.53
rs7869756	PP	Evangelou et al., 2018 ¹²	RP11-339B21.8	9:131210410	0.98	G/A	0.23	0.16	0.83
rs184457	SDP	Evangelou et al., 2018 ¹²	HERSL	9:131940819	0.98	G/A	0.72	0.72	0.73
rs687621	DBP	Surendran et al., 2016 ³⁸	ABO	9:136137065	1	G/A			0.98
rs507666	DBP	Hoffmann et al., 2017 ⁶⁶		9:136149399	1	G/A			0.83
rs3025380 ¹	SBP, DBP	Kraja et al., 2017 ¹⁷ ; Giri et al., 2019 ⁶⁸	DBH	9:136501756	0.25	G/C	1	1	1
rs6271	SBP, DBP	Ehret et al., 2016 ⁹	DBH	9:136522274	0.5	C/T	0.94	0.96	0.67
rs11145807	SBP, DBP	Evangelou et al., 2018 ¹²	EGFL7	9:139520789	0.93	A/G	0.41	0.44	0.53
rs821317	SBP	Giri et al., 2019 ⁶⁸	ZMYND19	9:140488634	0.74	A/G	0.14	0.14	0.15
rs10751962	DBP	Hoffmann et al., 2017 ⁶⁶		10:4172711	0.74	T/C	0.91	0.94	0.67
rs78909240	PP	Giri et al., 2019 ⁶⁸	ASB13	10:5689150	0.78	G/C	0.86	0.89	1
rs56352451	SBP	Evangelou et al., 2018 ¹²	FAM208B	10:5804865	1	T/C	0.12	0.11	0.26
rs11256837	SBP, PP	Giri et al., 2019 ⁶⁸		10:10840535	56	0.88	A/G	0.19	0.22
rs36006409*	SBP, PP	Evangelou et al., 2018 ¹²	CELF2	10:10876943	1.61				
rs12248718	PP	Hoffmann et al., 2017 ⁶⁶		10:12242326	0.96	G/A	0.29	0.33	0.6
rs10906391	DBP	Evangelou et al., 2018 ¹²	BEND7	10:13523937	0.93	T/C	0.35	0.38	0.28
rs4373814	SBP, DBP	Ehret et al., 2011 ¹⁴	CACNB2(5,)	10:18419972	0.99	C/G	0.47	0.48	0.38
rs1813353	SBP, DBP, HTN	Ehret et al., 2011 ¹⁴	CACNB2(3,)	10:18707448	2.9	0.99	T/C	0.66	0.74
rs11014166*	DBP	Levy et al., 2009 ⁶⁰	CACNB2	10:18708798	1.16				
rs12258967	SBP, DBP, MAP	Ganesb et al., 2014 ³⁵	CACNB2	10:18727959	1	C/G	0.71	0.79	0.37
rs12243859	SBP, DBP	Ehret et al., 2016 ⁹	CACNB2	10:18740632	1	C/T	0.67	0.76	0.52
rs11010905	PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁶⁸	MALRD1	10:19934813	0.96	A/T	0.45	0.48	0.14
rs73605614	PP	Hoffmann et al., 2017 ⁶⁶		10:20529470	0.98	C/A	0.18	0.2	0.62
rs1966203	PP	Evangelou et al., 2017 ⁶⁶		10:21057545	0.96	G/C	0.38	0.39	0.85
rs3082517	SBP, DBP, PP	Evangelou et al., 2018 ¹²	ARMC4	10:28233469	0.95	A/T	0.47	0.5	0.46
rs1265842	DBP	Evangelou et al., 2018 ¹²	WAC	10:28924901	0.99	T/C	0.49	0.47	0.99
rs9337951	PP	Hoffmann et al., 2017 ⁶⁶ ; Wainman et al., 2017 ⁷⁰	KIAA1462	10:30317073	0.78	A/G	0.35	0.39	0.71
rs11088355	PP	Hoffmann et al., 2017 ⁶⁶		10:31412561	0.98	G/C	0.74	0.84	0.03
rs10826995	PP	Warren et al., 2017 ¹⁰	ZEB1, ARHGAP12	10:32082658	0.93	C/T	0.28	0.24	0.78
rs13412	PP	Hoffmann et al., 2017 ⁶⁶		10:32284825	1	C/T	0.23	0.22	0.93
rs76164690	DBP	Evangelou et al., 2018 ¹²	EPC1	10:32590362	0.96	G/T	0.12	0.17	0.31
rs537750491 ¹	PP	Giri et al., 2019 ⁶⁸		10:42796712					
rs558610964 ¹	PP	Giri et al., 2019 ⁶⁸		10:42976846					
rs143073646 ¹	PP	Giri et al., 2019 ⁶⁸	ZNF33B	10:43096881					
rs2246438	DBP	Hoffmann et al., 2017 ⁶⁶		10:45273079	0.98	G/A	0.71	0.71	0.75
rs181718607 ¹	PP	Giri et al., 2019 ⁶⁸	FAM21C	10:46216095					
rs34130368	SBP	Evangelou et al., 2018 ¹²	GDF2	10:48411796	0.63	G/T	0.54	0.89	0.66
rs1436206	PP	Giri et al., 2019 ⁶⁸	SGMS1	10:52120612	1	G/A	0.54	0.47	0.54
rs2393455	PP	Hoffmann et al., 2017 ⁶⁶		10:60374898	0.85	A/C	0.53	0.56	0.48
rs2440907	PP	Hoffmann et al., 2017 ⁶⁶		10:61638804	0.99	T/G	0.47	0.49	0.22
rs10761530	SBP, DBP	Evangelou et al., 2018 ¹²	ANK3	10:62390726	1	T/C	0.49	0.52	0.62
rs12244842*	DBP	Ganesb et al., 2014 ³⁵	C10orf107	10:63439186	2.46				
rs4590817	SBP, DBP, HTN	Ehret et al., 2011 ¹⁴	C10orf107	10:63467553	1	G/C	0.85	0.89	0.27
rs2166122	MAP	Ganesb et al., 2014 ³⁵	C10orf107	10:63523074	2.55	0.97	C/T	0.8	0.85
rs1530440	DBP	Newton-Cheh et al., 2009 ³⁵	C10orf107	10:63524591	6.08	1	C/T	0.81	0.83
rs7076398*	SBP, DBP	Ehret et al., 2016 ⁹	C10orf107	10:63533663	1.97				
rs7070797	SBP	Ganesb et al., 2014 ³⁵	C10orf107	10:63551773	0.92	G/A	0.87	0.92	0.21
rs1848797*	SBP, DBP	Hoffmann et al., 2017 ⁶⁶		10:64552934	3.15				
rs10995311	DBP	Surendran et al., 2016 ³⁸ ; Liu et al., 2016 ³²	ADO	10:64564934	203.4	1	C/G	0.59	0.54
rs6479908	DBP	Hoffmann et al., 2017 ⁶⁶		10:65336448	0.98	G/C	0.47	0.51	0.46
rs560625443 ¹	SBP, PP	Giri et al., 2019 ⁶⁸		10:69114610					
rs558363983 ¹	SBP, PP	Giri et al., 2019 ⁶⁸		10:69213190					
rs533451950 ¹	SBP, PP	Giri et al., 2019 ⁶⁸		10:69235092					
rs7914287	PP	Hoffmann et al., 2017 ⁶⁶	Intergenic	10:69350563	0.92	C/T	0.23	0.28	1
rs10823136	SBP, PP	Evangelou et al., 2018 ¹²	SIRT1	10:69855363	0.76	C/T	0.08	0.08	0.46
rs10998362	PP	Evangelou et al., 2018 ¹²	TEF1	10:70404159	0.83	T/C	0.31	0.34	0.36
rs12572586	SBP, DBP	Evangelou et al., 2018 ¹²	PLA2G12B	10:74751579	0.68	C/T	0.06	0.05	0.25
rs34163229	SBP, PP	Kraja et al., 2017 ¹⁷	SYNP02L	10:75406912	1	T/G	0.13	0.14	0.68
rs12247028	SBP	Ehret et al., 2016 ⁹	SYNP02L	10:75410052	0.55	G/A	0.36	0.43	1.87E-05
rs34868542	SBP	Giri et al., 2019 ⁶⁸	ADK	10:75986157	0.89	C/T	0.4	0.46	0.81
rs7096715	SBP	Giri et al., 2019 ⁶⁸	C10orf18	10:82195949	0.98	T/C	0.41	0.45	0.03
rs10887914	SBP, PP	Evangelou et al., 2018 ¹²	TSPAN14	10:82215288	0.99	T/C	0.42	0.5	0.75
rs2049814	PP	Hoffmann et al., 2017 ⁶⁶		10:89787275	0.99	G/A	0.53	0.55	0.91
rs6421389	PP	Giri et al., 2019 ⁶⁸	ACTA2	10:90718527	0.87	G/C	0.51	0.52	0.1
rs11187142	SBP, PP	Evangelou et al., 2018 ¹²	HHEX	10:94468685	0.98	T/C	0.1	0.06	0.9
rs932764	SBP, DBP, HTN	Ehret et al., 2011 ¹⁴ ; Ehret et al., 2016 ⁹	PLCE1	10:95895940	1	G/A	0.43	0.49	0.73
rs4110517	SBP	Hoffmann et al., 2017 ⁶⁶		10:96650328	0.89	G/A	0.78	0.78	0.03
rs603424	DBP	Evangelou et al., 2018 ¹²	PKD2L1	10:102075479	1	A/G	0.2	0.16	0.82
rs561980690 ¹	PP	Giri et al., 2019 ⁶⁸		10:102531607					
rs4551692	SBP, DBP	Hoffmann et al., 2017 ⁶⁶	PAX2	10:102556453	2.08	0.68	A/G	0.9	0.93
rs112184198*	SBP, DBP, PP	Warren et al., 2017 ¹⁰		10:102604514	1.8				
rs72847884	DBP	Evangelou et al., 2018 ¹²	HTRC	10:103115345	0.83	A/G	0.97	0.95	0.64
rs2182848	SBP	Giri et al., 2019 ⁶⁸	FGFR	10:10352824	0.87	A/G	0.02	0.02	0.08
rs11191156	PP	Evangelou et al., 2018 ¹²	C10orf76	10:103702763	1	G/A	0.34	0.34	0.92
rs76904484	PP	Giri et al., 2019 ⁶⁸	LDB1	10:103878031	0.98	A/G	0.02	0.02	0.1
rs1004467	SBP	Levy et al., 2009 ⁶⁰	CPV17A1	10:104594507	21.89	1	A/G	0.91	0.91
rs3824755*	SBP, PP	Ganesb et al., 2013 ³⁶	CPV17A1	10:104595849	16.48				
rs943037*	SBP, DBP	Ehret et al., 2016 ⁹	CPV17A1-NTSC2	10:104835919	3.7				
rs11191548*	SBP, DBP, HTN	Ehret et al., 2011 ¹⁴ ; Newton-Cheh et al., 2009 ³⁵	CPV17A1-NTSC2	10:104846178	6.19				
rs4387287	SBP	Surendran et al., 2016 ³⁸	ORFC1	10:10567897	1	A/C	0.15	0.1	0.69
rs111790405	SBP	Giri et al., 2019 ⁶⁸	SORCS3	10:106445445	0.84	T/C	0.01	0.03	0.66
rs191784289	SBP, DBP	Evangelou et al., 2018 ¹²	SORCS3	10:106894942	0.88	T/C	0.01	0.04	0.85
rs111777102	DBP	Evangelou et al., 2018 ¹²	MXI1	10:111965826	0.91	T/C	0.07	0.05	1.11
rs34872471	SBP, PP	Hoffmann et al., 2017 ⁶⁶		10:114754071	0.99	C/T	0.32	0.22	1
rs2782980	MAP	Wain et al., 2011 ¹⁷	ADRB1	10:115781527	0.99	C/T	0.7	0.67	0.2
rs7076938*	MAP	Ganesb et al., 2013 ³⁶	ADRB1	10:115789375	1.48				
rs740746*	SBP, DBP	Ehret et al., 2016 ⁹	ADRB1	10:115792787	1.91				
rs1801253	SBP, DBP	Johnson et al., 2011a ⁴¹	ADRB1	10:115805056	48.52	1	C/G	0.68	0.75
rs11592166	SBP	Giri et al., 2019 ⁶⁸	HSPA12A	10:118502055	0.83	C/G	0.18	0.15	0.23
rs11197813	SBP	Evangelou et al., 2018 ¹²	HSPA12A	10:118523933	0.99	G/A	0.3	0.26	0.36
rs17617337	DBP	Hoffmann et al., 2017 ⁶⁶		10:121426884	1	C/T	0.78	0.77	0.46
rs11592107	SBP, DBP, PP	Evangelou et al., 2018 ¹²	FGFR2	10:122988964	0.97	A/G	0.3	0.25	0.23
rs72834448*	SBP	Giri et al., 2019 ⁶⁸	HTRA1	10:124232420	6.79				
rs72834453	SBP	Evangelou et al., 2018 ¹²	HTRA1	10:124235226	59.14	0.9	G/T	0.13	0.11
rs4411245	DBP	Evangelou et al., 2018 ¹²	CTBP2	10:126712781	0.98	A/G	0.32	0.28	0.49
rs7096563	SBP, PP	Evangelou et al., 2018 ¹²	PPP2R2D	10:133770229	1.93	0.97	A/G	0.39	0.36
rs7894027*	SBP	Giri et al., 2019 ⁶⁸	PPP2R2D	10:133772995	1.04				
rs12412313*	PP	Giri et al., 2019 ⁶⁸	INP5A	10:134456762	1.92				
rs1133400	SBP, PP	Evangelou et al., 2018 ¹²	INP5A	10:134459388		0.98	G/A	0.21	0.18
rs12770172	SBP	Giri et al., 2019 ⁶⁸	INP5A	10:134499718	17.28	0.84	A/G	0.81	0.8
rs7126805	PP	Warren et al., 2017 ¹⁰	CD151, CRACR2B	11:8289116	11.8289116	0.99	A/G	0.69	0.75
rs592373	SBP, DBP</								

rs381815	SBP, DBP	Ehret et al., 2011 ¹⁴ ; Levy et al., 2009 ⁹	PLEKHA7	11:16902268	1	T/C	0.3	0.3	0.78	
rs757081	SBP, PP	Tragante et al., 2014 ²²	NUCB2	11:17351683	1	G/C	0.31	0.38	0.73	
rs5219	SBP	Liu et al., 2016 ²²	KCNJ11	11:17409572	1	T/C	0.35	0.42	0.73	
rs10766533	SBP	Evangelou et al., 2018 ¹²	RP11-428C19.4	11:19224677	0.85	A/T	0.68	0.7	0.73	
rs11026586	DBP	Evangelou et al., 2018 ¹²	RP11-34N19.1	11:22515533	0.95	A/G	0.07	0.1	0.8	
rs925946	DBP	Kraja et al., 2017 ¹⁷	BDNF-AS	11:27667202	2.35	1	G/T	0.71	0.66	0.44
rs11030119*	DBP	Hoffmann et al., 2017 ¹⁰ ; Warren et al., 2017 ¹⁰	BDNF	11:27728102	2.08					
rs2585810	SBP	Hoffmann et al., 2017 ¹⁰	11:28483787		0.99	A/G	0.36	0.33	0.1	
rs11031051	SBP	Evangelou et al., 2018 ¹²	ARL14EP	11:30355707	0.98	C/A	0.34	0.29	0.03	
rs544625	SBP	Giri et al., 2019 ²⁸	MPPE2D1	11:30516496	1	G/A	0.31	0.32	0.07	
rs919045	DBP	Evangelou et al., 2018 ¹²	DCDC1	11:31111810	0.95	T/C	0.59	0.65	0.5	
rs61879810	DBP	Hoffmann et al., 2017 ¹⁰	11:31821467		0.99	A/G	0.14	0.14	0.09	
rs4922591	SBP, PP	Evangelou et al., 2018 ¹²	WT1	11:32374199	0.9	C/T	0.59	0.57	0.42	
rs190194639	SBP, DBP	Hoffmann et al., 2017 ¹⁰	CAPRIN1	11:34068037	0.9	T/C	0.08	0.11	0.82	
rs74482535	PP	Hoffmann et al., 2017 ¹⁰	11:40307083		0.95	C/T	0.94	0.94	0.62	
rs11442819	PP	Warren et al., 2017 ¹⁰	PRDM11	11:45208141	0.99	DI	0.87	0.87	0.13	
rs10838433	PP	Hoffmann et al., 2017 ¹⁰	11:45233473		0.99	A/G	0.7	0.73	0.15	
rs72910063	SBP	Giri et al., 2019 ²⁸	CREB3L1	11:46345134	3.86	0.75	T/C	0.13	0.06	1
rs4534535	PP	Giri et al., 2019 ²⁸	CKAP5	11:46786891	0.99		C/T	0.88	0.89	0.65
rs1585453*	SBP, DBP, PP	Evangelou et al., 2018 ¹²	LRP4	11:46884713	1.5					
rs7103648	SBP, DBP	Ehret et al., 2016 ⁹	PSN, PSMC3, SLC39A	11:47461783	0.99	G/A	0.37	0.32	0.12	
rs7107356	SBP, DBP, PP	Hoffmann et al., 2017 ¹⁰	11:47676170		0.99	G/A	0.5	0.47	0.35	
rs12286721	SBP, DBP	Kraja et al., 2017 ¹⁷	AGBL2	11:47701528	1	C/A	0.43	0.42	0.57	
rs61448762	SBP	Hoffmann et al., 2017 ¹⁰	11:48923756		2.15	0.81	G/A	0.89	0.87	0.75
rs11040595*	SBP	Giri et al., 2019 ²⁸	LOC440040	11:49878757	1.18					
rs189593992	PP	Giri et al., 2019 ²⁸	LOC441601	11:50219350	0.61	G/A	0.09	0.09	0.61	
rs4980470	SBP	Giri et al., 2019 ²⁸	11:50624799		0.93	A/G	0.59	0.62	0.9	
rs2688716	SBP, DBP	Evangelou et al., 2018 ¹²	TRIM48	11:54835623	0.66	G/T	0.71	0.72	0.42	
rs74237369*	SBP	Hoffmann et al., 2017 ¹⁰	11:55355182		1.5					
rs685149	SBP, PP	Hoffmann et al., 2017 ¹⁰	11:57657413		0.88	G/A	0.65	0.64	0.49	
rs11229457*	SBP	Surendran et al., 2016 ¹⁸	ORSB12	11:58207203	2.02					
rs1938598	SBP, PP	Hoffmann et al., 2017 ¹⁰	11:58413910		2.41	0.81	T/C	0.75	0.7	0.04
rs751984	SBP, DBP, MAP	Ehret et al., 2016 ⁹ ; Kato et al., 2015 ²⁸	LRRC10B	11:61278246	0.89	T/C	0.88	0.84	0.24	
rs4980515	SBP, PP	Evangelou et al., 2018 ¹²	AP000721.4	11:63744609	0.97	T/C	0.5	0.45	0.26	
rs3741378	SBP	Tragante et al., 2014 ²² ; Ehret et al., 2016 ⁹	REL1	11:65408937	0.98	C/T	0.87	0.84	0.42	
rs67976752	DBP	Evangelou et al., 2018 ¹²	CT10orf24	11:68023742	0.9	C/G	0.23	0.23	0.97	
rs143082869	PP	Giri et al., 2019 ²⁸	MYEOV	11:6906168						
rs72930293	DBP	Hoffmann et al., 2017 ¹⁰	11:69073420		0.95	C/T	0.89	0.88	0.45	
rs67330701	SBP, DBP	Warren et al., 2017 ¹⁰	MYEOV	11:69079707	0.82	C/T	0.91	0.89	0.2	
rs72931748	SBP	Giri et al., 2019 ²⁸	ANO1	11:69825414	0.9	A/G	0.9	0.9	0.59	
rs875106	DBP	Evangelou et al., 2018 ¹²	ANO1	11:70005641	1	G/A	0.49	0.43	0.81	
rs504217	SBP, DBP	Evangelou et al., 2018 ¹²	11:72006086		1	T/C	0.09	0.06	0.28	
rs4420291	DBP	Evangelou et al., 2018 ¹²	POLP3	11:74374950	1	A/G	0.52	0.52	0.38	
rs7927515	SBP, PP	Hoffmann et al., 2017 ¹⁰	11:76125330		1	A/C	0.34	0.32	0.76	
rs59986178	DBP	Evangelou et al., 2018 ¹²	CLNS1A	11:77359909	0.98	C/G	0.1	0.14	0.01	
rs2450128	DBP	Evangelou et al., 2018 ¹²	GAB2	11:77940075	0.99	G/A	0.82	0.8	0.03	
rs139341533	PP	Giri et al., 2019 ²⁸	NOX4	11:89182666	0.86	C/A	1	1	1	
rs2289125	SBP, PP	Hoffmann et al., 2017 ¹⁰ ; Warren et al., 2017 ¹⁰	11:89224453		0.94	C/A	0.78	0.77	0.68	
rs10765211	PP	Kraja et al., 2017 ¹⁷	NOX4	11:89228425	1	G/A	0.65	0.61	0.06	
rs142416231	PP	Giri et al., 2019 ²⁸	FAT3	11:92551382						
rs10830959	PP	Giri et al., 2019 ²⁸	MTNR1B	11:92685116	1	G/A	0.29	0.29	0.52	
rs10830963	PP	Evangelou et al., 2018 ¹²	MTNR1B	11:92708710	1	G/C	0.29	0.29	0.5	
rs11021221	DBP	Hoffmann et al., 2017 ¹⁰	11:95308854		0.95	T/A	0.84	0.82	0.46	
rs18722839	DBP	Hoffmann et al., 2017 ¹⁰	11:97944152							
rs633185	SBP, DBP, HTN	Ehret et al., 2011 ¹⁴ ; Ehret et al., 2016 ⁹	FLJ32810-TMEM133	11:100593538	1	C/G	0.72	0.71	0.18	
rs61892344	DBP	Evangelou et al., 2018 ¹²	PGR	11:101100768	0.95	C/T	0.82	0.88	0.31	
rs12807220	PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ²⁸	YAP1	11:102077200	0.95	G/A	0.6	0.63	0.22	
rs7951348	SBP	Hoffmann et al., 2017 ¹⁰	11:107081841		0.09	A/T	0.48	0.56	0.98	
rs115381894	SBP	Hoffmann et al., 2017 ¹⁰	11:109019018		0.09	C/G	0	0	1	
rs12362593	DBP	Evangelou et al., 2018 ¹²	SIK2	11:111586091	1	G/C	0.23	0.28	0.01	
rs5794844	SBP, PP	Hoffmann et al., 2017 ¹⁰	11:112960909		0.93	DI	0.52	0.48	0.03	
rs17119370	PP	Evangelou et al., 2018 ¹²	BUD13	11:116097136	0.87	A/T	0.65	0.72	0.59	
rs7116797	DBP	Hoffmann et al., 2017 ¹⁰	11:116707338		0.99	A/G	0.13	0.11	0.76	
rs1261744	PP	Hoffmann et al., 2017 ¹⁰	11:117218460		1	C/T	0.17	0.2	0.49	
rs8258	PP	Kraja et al., 2017 ¹⁷ ; Warren et al., 2017 ¹⁰	CEP164	11:117283676	1	T/C	0.37	0.37	0.25	
rs117204111	PP	Hoffmann et al., 2017 ¹⁰	11:118199425		0.71	G/A	0.98	0.97	0.57	
rs896693	SBP	Giri et al., 2019 ²⁸	OAF	11:120067082	0.95	G/A	0.56	0.58	0.63	
rs12574332	DBP	Evangelou et al., 2018 ¹²	UBASH3B	11:122521123	0.89	T/C	0.11	0.11	0.56	
rs1106243	SBP	Giri et al., 2019 ²⁸	UBASH3B	11:122611430	0.93	G/A	0.46	0.43	0.61	
rs11222084	PP	Wain et al., 2011 ¹⁷	ADAMT58	11:130273230	1	T/A	0.33	0.33	0.62	
rs11222386	PP	Hoffmann et al., 2017 ¹⁰ ; Evangelou et al., 2018 ¹²	11:13079068		0.95	C/G	0.19	0.21	0.62	
rs4980877	PP	Hoffmann et al., 2017 ¹⁰	12:418916		1.55	T/C	0.26	0.33	0.71	
rs11062385*	PP	Kraja et al., 2017 ¹⁷	KDM5A	12:427575	1.53					
rs10849594	SBP	Giri et al., 2019 ²⁸	RAD52	12:1043834	0.91	C/T	0.19	0.2	0.36	
rs11571376	SBP, PP	Evangelou et al., 2018 ¹²	RAD52	12:1059556	0.78	G/C	0.31	0.29	0.22	
rs55935819	DBP	Evangelou et al., 2018 ¹²	CACNA1C	12:2521579	0.99	A/G	0.38	0.33	0.12	
rs143750586	PP	Hoffmann et al., 2017 ¹⁰	12:4358078		0.36	A/G	0.99	1	1	
rs75507123	DBP	Evangelou et al., 2018 ¹²	RP11-1038A11.3	12:5417856	0.94	G/T	0.87	0.89	0.88	
rs7132012	DBP	Evangelou et al., 2018 ¹²	RP11-20D14.4	12:8832203	1	A/G	0.7	0.7	0.7	
rs736107	SBP	Giri et al., 2019 ²⁸	DUSP16	12:12627410	0.97	G/A	0.66	0.65	0.97	
rs2024385	SBP	Evangelou et al., 2018 ¹²	APOL1	12:12888438	0.76	T/A	0.59	0.61	0.46	
rs7313556	DBP	Evangelou et al., 2018 ¹²	REGG	12:15297359	1	A/G	0.36	0.38	0.72	
rs61912333	SBP, DBP	Evangelou et al., 2018 ¹²	AEBP2	12:19554817	0.94	C/G	0.52	0.54	0.08	
rs12579720*	DBP	Kato et al., 2015 ²⁸	PDE5A	12:20173764	1.1					
rs3752728	DBP	Ehret et al., 2016 ⁹	PDE5A	12:20192972	2.31	0.99	A/G	0.72	0.79	0.27
rs75080726	PP	Evangelou et al., 2018 ¹²	PDE5A*	12:20754154	0.94	C/T	0.9	0.85	0.57	
rs141325069	SBP	Giri et al., 2019 ²⁸	PDE5A	12:20769270						
rs73080767	PP	Giri et al., 2019 ²⁸	PDE5A	12:20777162	0.94	G/T	0.93	0.88	0.73	
rs704191	SBP, PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ²⁸	ARCC9	12:22015022	0.96	T/C	0.42	0.4	0.81	
rs7976167	SBP	Evangelou et al., 2018 ¹²	SOX5	12:24210599	0.99	T/C	0.68	0.69	0.84	
rs34219605*	PP	Giri et al., 2019 ²⁸	LINC00477	12:24760456	1.54					
rs17287293	PP	Evangelou et al., 2018 ¹²	BCAT1	12:24770878	5.3	1	G/A	0.16	0.15	0.73
rs6487543	SBP, DBP	Warren et al., 2017 ¹⁰	SSPN	12:26438189	1	A/G	0.8	0.76	0.33	
rs1098708	DBP	Evangelou et al., 2018 ¹²	STK38L	12:27321112	1	G/A	0.44	0.49	0.02	
rs571463591	PP	Giri et al., 2019 ²⁸	12:27960443		7.04	0.84	DI	0.82	0.81	0.53
rs10842991*	PP	Evangelou et al., 2018 ¹²	RN7SKP15	12:27962103	1.64					
rs7965392	DBP	Evangelou et al., 2018 ¹²	PPHLN1	12:42540280	0.95	A/G	0.39	0.35	0.44	
rs11168244	SBP, DBP	Hoffmann et al., 2017 ¹⁰	12:48202941		0.82	C/T	0.78	0.74	0.11	
rs181325352	PP	Giri et al., 2019 ²⁸	PFKM	12:48523528	0.86	A/T	0	0.01	1	
rs1489110	PP	Giri et al., 2019 ²⁸	HIFNT	12:48711867	1.59	0.98	T/G	0.35	0.3	0.92
rs2261608*	SBP, PP	Evangelou et al., 2018 ¹²	HIFNT	12:48721634	1.05					
rs138650910	PP	Giri et al., 2019 ²⁸	CDKC65	12:49305787	5.68	0.91	T/A	0.02	0.07	0.37
rs1126930*	PP	Surendran et al., 2016 ¹⁸	PRKAG1	12:49399132	4.52					
rs7977389	SBP, PP	Hoffmann et al., 2017 ¹⁰	12:49981722		0.98	A/T	0.89	0.88	0.95	
rs10747570	SBP, DBP	Hoffmann et al., 2017 ¹⁰	12:50509937		16.58	1	G/C	0.4	0.32	0.44
rs7302981*	DBP	Surendran et al., 2016 ¹⁸ ; Liu et al., 2016 ²²	CERS5	12:50537815	10.01					
rs17210898	SBP, DBP	Hoffmann et al., 2017 ¹⁰	12:51056511		0.92	G/A	0.96	0.93	0.64	
rs73099903	SBP	Wain et al., 2011 ¹⁷	LOC283335	12:53409779	0.9	T/C	0.08	0.06	0.8	
rs7136889	SBP, PP	Kraja et al., 2017 ¹⁷	HOXC4	12:54437752	1	T/G	0.68	0.61	3.1E-14	
rs1737749	DBP	Evangelou et al., 2018 ¹²	NACA	12:57098040	0.97	T/C	0			

rs7977311	PP	Evangelou et al., 2018 ¹²	FGD6	12:95487226	0.99	C/T	0.88	0.91	0.09
rs11108209	DBP	Evangelou et al., 2018 ¹²	NTN4	12:96109855	0.98	C/T	0.09	0.08	0.15
rs7134060	DBP	Evangelou et al., 2018 ¹²	CDK17	12:96717095	0.98	G/A	0.55	0.62	0.58
rs10778174	SBP, PP	Evangelou et al., 2018 ¹²	IGF1	12:10283896	0.92	G/A	0.77	0.8	0.78
rs11112548	SBP, DBP	Evangelou et al., 2018 ¹²	C12orf75	12:105871914	0.76	A/T	0.96	0.97	0.5
rs7312132	PP	Hoffmann et al., 2017 ¹⁶		12:110352509	0.98	G/C	0.94	0.95	0.35
rs12184466	SBP, DBP	Evangelou et al., 2018 ¹²	RPI1-74B13.2	12:111281636	0.52	T/C	0.18	0.2	0.96
rs3184504	SBP, DBP, MAP	Ehret et al., 2011 ¹⁴ ; Levy et al., 2009 ⁹ ; Ehret et al., 2016 ⁶ ; Ganesh et al., 2014 ¹³	SH2B3	12:111884608	54.22	1	T/C	0.46	0.46
rs4766578*	SBP	Ganesh et al., 2014 ¹³	ATXN2	12:111904371	2.79				
rs10774625*	SBP, DBP, MAP	Ganesh et al., 2013 ⁹	ATXN2	12:111910219	1.48				
rs653178*	DBP	Newton-Cheh et al., 2009 ³⁵	ATXN2	12:112007756	37.07				
rs2384550	DBP	Levy et al., 2009 ⁹	TBX3-TBX3	12:115352731		1	G/A	0.63	0.65
rs10850411	SBP, DBP	Ehret et al., 2014 ¹⁴	TBX3-TBX3	12:115378796		1	T/C	0.7	0.66
rs35444	SBP, MAP	Ganesh et al., 2014 ¹³	TBX3	12:115553437		1	A/G	0.6	0.56
rs2891546	DBP	Ehret et al., 2016 ⁶	TBX3-TBX3	12:115552409		0.73	G/A	0.89	0.9
rs11615689	DBP	Evangelou et al., 2018 ¹²	MED13L	12:116696675		0.96	C/T	0.19	0.2
rs3898618	DBP	Evangelou et al., 2018 ¹²	RPS27P25	12:120813921		0.83	C/T	0.05	0.06
rs77929563 ¹	DBP	Giri et al., 2019 ¹⁸	HNFI1A-AS1	12:121399502		0.22	A/T	0.01	0
rs28498002	DBP	Evangelou et al., 2018 ¹²	MLXIP	12:122599796		0.99	C/T	0.56	0.49
rs1060105	DBP	Surendran et al., 2016 ¹⁶	SBN01	12:123806219	6.08	1	C/T	0.78	0.79
rs7980687*	DBP	Hoffmann et al., 2017 ¹⁶		12:123822711	3.92				
rs1271309	DBP	Evangelou et al., 2018 ¹²	NCOR2	12:124820705		0.95	G/A	0.86	0.84
rs530280439 ¹⁴	PP	Hoffmann et al., 2017 ¹⁶		12:127031062					
rs75312918	SBP	Evangelou et al., 2018 ¹²	FBRSL1	12:133071761		1	T/C		0.01
rs2480171	SBP	Evangelou et al., 2018 ¹²	sno113	13:21559858		1	T/C	0.12	0.14
rs606950*	SBP, PP	Evangelou et al., 2018 ¹²	FGF9	13:22298923	1.91				
rs9506725	SBP, PP	Giri et al., 2019 ¹⁸		13:22314146	6.63				
rs55641580	DBP	Evangelou et al., 2018 ¹²	ATP12A	13:25257917		0.92	T/C	0.63	0.59
rs1331012	SBP	Evangelou et al., 2018 ¹²	WASF3	13:27115424		0.98	T/G	0.28	0.24
rs63418562	SBP, DBP	Hoffmann et al., 2017 ¹⁶		13:30146201		0.96	C/T	0.26	0.31
rs1869800	PP	Giri et al., 2019 ¹⁸	RXFP2	13:32180136	4.93	0.97	T/C	0.46	0.53
rs9603376*	SBP	Giri et al., 2019 ¹⁸	RXFP2	13:32181957	2.67				
rs9532243*	SBP, DBP, PP	Evangelou et al., 2018 ¹²	RXFP2	13:32191408	2.04				
rs9565436	SBP	Hoffmann et al., 2017 ¹⁶		13:36213631		1	C/A	0.14	0.14
rs9549297	DBP	Evangelou et al., 2018 ¹²	MRPS31	13:41397482		0.97	G/A	0.18	0.22
rs4274337	SBP, DBP	Evangelou et al., 2018 ¹²	NAAA16	13:41967193		0.95	G/A	0.8	0.85
rs9532959	SBP	Giri et al., 2019 ¹⁸	LOC100507240	13:42545316		0.84	A/G	0.08	0.06
rs73187288	SBP	Evangelou et al., 2018 ¹²	DGKH	13:42738672		0.99	C/G	0.1	0.1
rs912434	SBP, PP	Evangelou et al., 2018 ¹²	LRCM	13:47189928		0.97	T/A	0.78	0.73
rs17355629	PP	Giri et al., 2019 ¹⁸	LRCM	13:47314172		0.78	G/A	0.95	0.91
rs12583615	DBP	Evangelou et al., 2018 ¹²	TRIM13	13:50564085		1	A/G	0.15	0.18
rs9526707	SBP	Evangelou et al., 2018 ¹²	RNASEH2B	13:51489186		0.96	G/A	0.67	0.66
rs9563529	DBP	Evangelou et al., 2018 ¹²	PCDH17	13:58316637		0.99	T/G	0.19	0.25
rs3861113	DBP	Evangelou et al., 2018 ¹²	DACHI	13:72364382		0.92	A/C	0.08	0.07
rs78474310	SBP, DBP	Evangelou et al., 2018 ¹²	KLF5	13:73826901		0.95	G/A	0.04	0.03
rs4304924	PP	Evangelou et al., 2018 ¹²	RNF219	13:79238925		0.89	G/A	0.42	0.47
rs7988232	SBP	Evangelou et al., 2018 ¹²	RBM26	13:79808655		0.95	A/G	0.4	0.43
rs1215469	DBP	Evangelou et al., 2018 ¹²	SPRY2	13:80707408		0.88	A/C	0.78	0.8
rs55684003	DBP	Evangelou et al., 2018 ¹²	MBNL2	13:97988689		0.98	C/A	0.7	0.7
rs7987651	DBP	Giri et al., 2019 ¹⁸		13:110448501		0.98	C/T	0.81	0.89
rs7989823	DBP	Hoffmann et al., 2017 ¹⁶		13:110959643		0.72	C/A	0.58	0.58
rs3011549	SBP	Hoffmann et al., 2017 ¹⁶		13:113634937		0.94	A/C	0.27	0.27
rs9549328	SBP, PP	Warren et al., 2017 ¹⁶	MCF2L	13:113636156		0.95	T/C	0.23	0.22
rs3934939	DBP	Hoffmann et al., 2017 ¹⁶		13:114503990		0.88	A/G	0.54	0.5
rs9314907	SBP	Hoffmann et al., 2017 ¹⁶		13:115015163		1	T/C	0.26	0.23
rs17880989	DBP	Evangelou et al., 2018 ¹²	MMP14	14:23313633		1	A/G	0.02	0.05
rs12050260	PP	Hoffmann et al., 2017 ¹⁶		14:23761094		1	T/C	0.35	0.4
rs452036	DBP	Surendran et al., 2016 ¹⁶ ; Liu et al., 2016 ¹²	MYH6	14:23865588		1	G/A	0.66	0.7
rs3622669	PP	Hoffmann et al., 2017 ¹⁶		14:24835500		0.98	C/T	0.06	0.07
rs17115145	SBP	Evangelou et al., 2018 ¹²	PRKD1	14:20122409		0.97	T/C	0.41	0.39
rs4424827	SBP, DBP	Evangelou et al., 2018 ¹²	SN66	14:35110857		0.99	C/T	0.43	0.4
rs8904	SBP, PP	Hoffmann et al., 2017 ¹⁶ ; Wain et al., 2017 ¹¹	NFKBIA	14:35871217		1	A/G	0.39	0.38
rs34983854	SBP, PP	Evangelou et al., 2018 ¹²	FBXO33	14:39858442		0.69	G/A	0.37	0.42
rs61755579	PP	Giri et al., 2019 ¹⁸	SOS2	14:50655307		0.94	C/T	0.98	0.97
rs72683923*	SBP, DBP, PP	Evangelou et al., 2018 ¹²	L2HGDIH	14:50735947	1.34				
rs72677850	SBP	Giri et al., 2019 ¹⁸	CDKL1	14:50849397	4.03	0.73	G/A	0.99	0.97
rs72681698 ¹	SBP, DBP, PP	Giri et al., 2019 ¹⁸	NIN	14:51207741		0.52	T/C	0.99	1
rs7161323	SBP, DBP	Hoffmann et al., 2017 ¹⁶		14:53366149	21.24	1	T/C	0.7	0.7
rs9888615*	SBP	Warren et al., 2017 ¹⁶	FERMT2	14:53377540	4.56				
rs210381*	SBP, PP	Evangelou et al., 2018 ¹²	AL163953.2	14:54107791	3.94				
rs210314	PP	Giri et al., 2019 ¹⁸		14:54122401	5.5	1	C/T	0.44	0.41
rs7144602	PP	Evangelou et al., 2018 ¹²	SAMD4A	14:55285588		0.88	G/T	0.35	0.32
rs11628933	DBP	Evangelou et al., 2018 ¹²	PPM1A	14:60700903		0.99	G/C	0.78	0.8
rs8016306	SBP, DBP	Warren et al., 2017 ¹⁶	PPP2R5E	14:63928546		0.96	A/G	0.82	0.81
rs731681	DBP	Evangelou et al., 2018 ¹²	PLEKH1	14:68010224		0.83	G/C	0.48	0.43
rs57786342	SBP, DBP	Evangelou et al., 2018 ¹²	ZFP36L1	14:69260028		0.96	A/G	0.22	0.17
rs11623535	SBP, DBP	Evangelou et al., 2018 ¹²	RG56	14:72462381	2.16	1	A/G	0.72	0.75
rs1009017*	SBP	Giri et al., 2019 ¹⁸	RG56	14:72466285	0.63				1
rs2215590	PP	Hoffmann et al., 2017 ¹⁶		14:73297741		0.97	T/C	0.27	0.23
rs1159091*	SBP, PP	Evangelou et al., 2018 ¹²	LTBP2	14:75074316	5.94				0.09
rs2165197	PP	Giri et al., 2019 ¹⁸	LTBP2	14:75079704	124.5	0.98	C/T	0.5	0.55
rs1159096*	SBP	Giri et al., 2019 ¹⁸	LTBP2	14:75098313	22.14				0.53
rs11622562	SBP	Giri et al., 2019 ¹⁸	BCDRL92	14:77517148		0.99	C/T	0.66	0.65
rs11627326	PP	Evangelou et al., 2018 ¹²	RPI1-497E19.2	14:85782551		0.96	C/G	0.3	0.24
rs4904503	PP	Evangelou et al., 2018 ¹²	FOXN3	14:89561130		0.97	T/C	0.3	0.34
rs2244643	PP	Hoffmann et al., 2017 ¹⁶		14:9259022		0.95	C/A	0.35	0.29
rs8013933	PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ¹⁸	LINC00521	14:94465789		0.8	T/C	0.71	0.74
rs9323988*	PP	Warren et al., 2017 ¹⁶	C14orf177	14:98587630	0.88				0.88
rs367700296	PP	Hoffmann et al., 2017 ¹⁶		14:98597422	3.32	0.93	U/D	0.4	0.3
rs1475130	PP	Hoffmann et al., 2017 ¹⁶		14:100225144		0.95	C/T	0.65	0.64
rs28470843	PP	Evangelou et al., 2018 ¹²	YY1	14:100742658		0.93	T/C	0.59	0.62
rs11626434	PP	Evangelou et al., 2018 ¹²	DIO3	14:101998443		0.96	G/C	0.62	0.61
rs8014182	SBP, DBP, PP	Evangelou et al., 2018 ¹²	MARK3	14:103859962	54.65	0.94	C/T	0.88	0.86
rs17679259*	SBP	Giri et al., 2019 ¹⁸	MARK3	14:103895302	38.19				0.19
rs34161718	DBP	Evangelou et al., 2018 ¹²	KIF26A	14:104620193		0.7	C/T	0.76	0.81
rs937213	SBP	Hoffmann et al., 2017 ¹⁶		15:40322124		0.92	T/C	0.58	0.54
rs112925537	SBP, DBP	Hoffmann et al., 2017 ¹⁶		15:41334213		0.7	U/D	0.46	0.39
rs4923910	DBP	Hoffmann et al., 2017 ¹⁶		15:42086340		0.99	C/G	0.38	0.4
rs35654783	DBP	Hoffmann et al., 2017 ¹⁶		15:44018656		0.88	T/C	0.29	0.28
rs8027524	PP	Giri et al., 2019 ¹⁸	ATPB4	15:50277619		0.99	T/C	0.28	0.34
rs2899463	PP	Hoffmann et al., 2017 ¹⁶		15:50938978		0.97	T/C	0.48	0.51
rs3191402	SBP, PP	Evangelou et al., 2018 ¹²	MYO1E	15:59429160		0.61	G/A	0.62	0.54
rs956006	PP	Hoffmann et al., 2017 ¹⁶		15:62808539		0.82	C/T	0.67	0.63
rs1027647	PP	Hoffmann et al., 2017 ¹⁶		15:63374825		0.87	C/A	0.54	0.51
rs2729835	SBP	Hoffmann et al., 2017 ¹⁶	LACTB	15:63433766		1	G/A	0.34	0.31
rs822890	DBP	Warren et al., 2017 ¹⁶	AC069368.3	15:65166690		0.96	T/C	0.42	0.44
rs7178615	PP	Giri et al., 2019 ¹⁸	LCT1	15:66869072		1	G/A	0.6	0.63
rs11638064	PP	Hoffmann et al., 2017 ¹⁶		15:67460099		0.95	A/G	0.24	0.2
rs62004794	DBP	Evangelou et al., 2018 ¹²	PIAS1	15:68454523		0.91	G/A	0.57	0.57
rs117638970 ¹	DBP	Hoffmann et al., 2017 ¹⁶		15:69675605		0.13	C/T	0.98	1
rs11631778	DBP	Hoffmann et al., 2017 ¹⁶		15:71606380		0.94	A/G	0.64	0.65
rs12916871	SBP	Giri et al., 2019 ¹⁸	CCDC33	15:74552742		0.77	A/C	0.61	0.56
rs1653296	DBP	Evangelou et al., 2018 ¹²	CCDC33	15:74557817		0.97	G/A	0.23	0.2
rs936226	SBP, DBP	Ehret et al., 2016 ⁶	CYPIA1-LULK3	15:75069282	89.54	0.96	C/T	0.3	

rs7180952	DBP	Evangelou et al., 2018 ¹²	ZSCAN2	15:85162551	0.97	C/T	0.46	0.49	0.16	
rs2290273	SBP	Giri et al., 2019 ⁸	PDE8A	15:85540050	0.9	C/T	0.5	0.47	0.18	
rs3743157	SBP, PP	Evangelou et al., 2018 ¹²	PDE8A	15:85680532	1	A/C	0.15	0.16	0.78	
rs7166269	PP	Giri et al., 2019 ⁸	AKAP13	15:85966289	0.97	T/C	0.86	0.87	0.08	
rs12909648*	SBP	Giri et al., 2019 ⁸	AKAP13	15:86224570	3.06					
rs11632436	SBP, PP	Evangelou et al., 2018 ¹²	RP11-158M2.4	15:86295286	59.58	C/G	0.49	0.52	0.95	
rs734780	PP	Hoffmann et al., 2017 ⁶		15:89564958	0.92	T/C	0.89	0.9	0.03	
rs9708177	PP	Hoffmann et al., 2017 ⁶		15:90649072	0.75	T/C	0.1	0.09	0.48	
rs2071410*	DBP	Ganesh et al., 2013 ⁹	FURIN	15:91420940	2.44					
rs6227	SBP, MAP	Ganesh et al., 2013 ⁹	FURIN	15:91425252	3.51	1	T/C	0.32	0.37	0.57
rs2521501*	SBP, DBP	Ehret et al., 2011 ¹⁴ ; Ehret et al., 2016 ⁹	FURIN-FES	15:91437388	1.78					
rs873122	DBP	Evangelou et al., 2018 ¹²	SUCO3A1	15:92702020		C/G	0.74	0.74	0.17	
rs6200769	SBP, PP	Giri et al., 2019 ⁸	FAM174B	15:93280091	0.91	C/T	0.47	0.41	0.45	
rs11632112	PP	Evangelou et al., 2018 ¹²	CHD2	15:93468276	0.94	C/G	0.77	0.68	0.95	
rs12906962	SBP, DBP, HTN	Warren et al., 2017 ⁶ ; Hoffmann et al., 2017 ⁶	LOC440311, MCTP2	15:95312071	0.96	C/T	0.35	0.36	0.04	
rs4984497	DBP	Hoffmann et al., 2017 ⁶		15:96635999	0.96	T/C	0.34	0.32	0.84	
rs2581468	SBP	Giri et al., 2019 ⁸	MEF2A	15:100112468	7.79					
rs34756251*	SBP, DBP	Evangelou et al., 2018 ¹²	MEF2A	15:100192540	0.98	T/C	0.82	0.8	0.61	
rs9932866	DBP	Evangelou et al., 2018 ¹²	WDR90	16:7006067	1	A/G	0.38	0.4	0.17	
rs11248862	PP	Evangelou et al., 2018 ¹²	UBE2I	16:1344291	0.82	A/G	0.12	0.08	0.1	
rs11641374	PP	Giri et al., 2019 ⁸	UBE2I	16:1347717	14.33	C/A	0.38	0.34	0.07	
rs11248866*	SBP	Giri et al., 2019 ⁸	UBE2I	16:1365341	5.42					
rs139491786†	SBP, DBP, PP	Giri et al., 2019 ⁸ ; Hoffmann et al., 2017 ⁶	SLC9A3R2	16:2086421	33.64	C/T	0.99	1	1	
rs150545244*	SBP, DBP	Giri et al., 2019 ⁸	TRAF7	16:2225673	3.85					
rs2379829	SBP, DBP	Evangelou et al., 2018 ¹²	LA16c-306E5.3	16:3538873	0.97	G/C	0.27	0.26	0.4	
rs1034906	SBP	Giri et al., 2019 ⁸	ADCY9	16:4128853	0.97	G/C	0.83	0.87	0.2	
rs757462	PP	Giri et al., 2019 ⁸	LINC01569	16:4296785	0.86	C/T	0.31	0.33	0.95	
rs4789555	PP	Evangelou et al., 2018 ¹²	RP11-092P2.1	16:4297651	1	T/G	0.22	0.22	0.52	
rs12921187	SBP, DBP	Warren et al., 2017 ⁶	PPL	16:4943019	12.27	G/T	0.55	0.56	0.7	
rs12596053*	SBP, DBP	Hoffmann et al., 2017 ⁶		16:4946794	5.56					
rs35450617	SBP	Evangelou et al., 2018 ¹²	RBFOX1	16:6889675	0.92	G/T	0.28	0.32	0.15	
rs9937309	PP	Giri et al., 2019 ⁸	CLEC16A	16:1112112	0.99	C/G	0.27	0.2	0.47	
rs11642631	PP	Evangelou et al., 2018 ¹²	CLEC16A	16:11198835	0.99	C/T	0.44	0.38	0.19	
rs57327054	PP	Evangelou et al., 2018 ¹²	RP11-652J1.4	16:14487036	0.96	C/T	0.7	0.68	0.03	
rs3915499	PP	Hoffmann et al., 2017 ⁶		16:15910743	0.95	G/A	0.67	0.67	0.39	
rs4782211	SBP, DBP	Evangelou et al., 2018 ¹²	CTD-2349B8.1	16:19152219	0.52	A/G	0.28	0.23	0.41	
rs1333226	HTN	Padmanabhan et al., 2010 ⁴⁵		16:20565654	1	A/G	0.8	0.81	0.74	
rs9935770	SBP	Hoffmann et al., 2017 ⁶		16:21091291	0.99	C/T	0.56	0.56	0.19	
rs200541*	SBP	Hoffmann et al., 2017 ⁶		16:24733141	0.96					
rs11639856	SBP	Liu et al., 2016 ¹²	TNRC6A	16:24788645	11.81	1	T/A	0.84	0.85	0.28
rs6565174	SBP, DBP	Evangelou et al., 2018 ¹²	RP11-455F5.3	16:30111904	0.76	C/A	0.9	0.93	0.23	
rs72799341	DBP	Hoffmann et al., 2017 ⁶ ; Warren et al., 2017 ⁶		16:30936743	0.97	A/G	0.25	0.28	0.45	
rs10468291	DBP	Evangelou et al., 2018 ¹²	ZNF423	16:49768046	1	C/A	0.43	0.4	0.9	
rs34294937	SBP	Giri et al., 2019 ⁸	TMEM188	16:49883927	0.94	A/T	0.22	0.21	0.28	
rs34941092	SBP, DBP	Evangelou et al., 2018 ¹²	NKD1	16:50550137	0.83	G/A	0.82	0.84	0.74	
rs9932220	SBP, DBP	Evangelou et al., 2018 ¹²	C16orf97	16:51758116	0.98	G/A	0.8	0.78	0.86	
rs62033406	PP	Giri et al., 2019 ⁸	FTO	16:53824226	0.98	G/A	0.44	0.42	0.22	
rs6143613	PP	Hoffmann et al., 2017 ⁶		16:56328811	0.92	A/G	0.29	0.32	0.24	
rs1646010	PP	Giri et al., 2019 ⁸	SETD6	16:58549204	202.14	C/G	0.24	0.23	0.62	
rs37060*	PP	Evangelou et al., 2018 ¹²	CNOT1	16:58566304	2.2					
rs182346790†	PP	Giri et al., 2019 ⁸		16:60508751						
rs6249585	SBP, PP	Hoffmann et al., 2017 ⁶		16:62565702	0.98	T/C	0.47	0.5	0.58	
rs45474499	SBP, DBP	Evangelou et al., 2018 ¹²	PDP2	16:66914492	0.95	T/C	0.05	0.06	0.17	
rs7185555	DBP, PP	Evangelou et al., 2018 ¹²	HAS3	16:69131281	0.98	G/C	0.86	0.88	0.17	
rs117006983†	PP	Warren et al., 2017 ⁶	VAC14	16:70755610	0.23	A/G	0.02	0	1	
rs62053102	PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁸	RP11-432IS2.2	16:71654365	0.84	T/A	0.04	0.03	0.13	
rs739414	PP	Giri et al., 2019 ⁸		16:73097956	1	C/T	0.75	0.72	0.66	
rs11643209	SBP, PP	Warren et al., 2017 ⁶	CFDP1, BCAR1	16:75331044	7.19	0.94	G/T	0.55	0.6	0.34
rs2865531*	SBP, PP	Kraja et al., 2017 ⁶	CFDP1	16:75390516	2.57					
rs35261357*	SBP, PP	Hoffmann et al., 2017 ⁶		16:75445472	3.01					
rs5844442	SBP, PP	Evangelou et al., 2018 ¹²	CDYL2	16:80864776	0.81	C/T	0.93	0.95	1	
rs16954120	PP	Giri et al., 2019 ⁸	AKO93002	16:80867904	0.69	A/G	0.92	0.93	0.56	
rs12928482	DBP	Hoffmann et al., 2017 ⁶		16:81513871	0.91	G/A	0.7	0.71	0.92	
rs8059962	DBP	Warren et al., 2017 ⁶	CMIP	16:81574197	0.87	C/T	0.55	0.54	0.17	
rs7500448	PP	Hoffmann et al., 2017 ⁶ ; Warren et al., 2017 ⁶	CDH13	16:83045790	0.93	A/G	0.76	0.77	0.24	
rs7187540	SBP	Evangelou et al., 2018 ¹²	LINC00311	16:85318302	0.82	C/A	0.7	0.65	0.37	
rs731749	SBP	Giri et al., 2019 ⁸		16:86356582	0.47	A/G	0.08	0.06	0.17	
rs6540125	SBP	Evangelou et al., 2018 ¹²	BANP	16:87993889	0.98	T/G	0.38	0.3	0.25	
rs460105	DBP	Hoffmann et al., 2017 ⁶		16:89682006	0.95	T/C	0.5	0.56	0.37	
rs1126464	DBP	Surendran et al., 2016 ⁹ ; Liu et al., 2016 ¹²	DPEP1	16:89704365	1	C/G	0.25	0.27	0.71	
rs12941318*	SBP, PP	Warren et al., 2017 ⁶	CRK	17:1335598	3.81					
rs34457140	PP	Hoffmann et al., 2017 ⁶		17:1353920	4.86	0.8	G/T	0.47	0.5	0.1
rs9303241	PP	Hoffmann et al., 2017 ⁶		17:1978963	0.97	T/A	0.4	0.47	0.98	
rs67833703	DBP	Hoffmann et al., 2017 ⁶		17:3888437	0.98	T/C	0.32	0.27	0.22	
rs7226020	PP	Hoffmann et al., 2017 ⁶		17:6473828	0.78	C/T	0.41	0.45	0.84	
rs78378222†	DBP, PP	Hoffmann et al., 2017 ⁶ ; Warren et al., 2017 ⁶	KIAA0753, PITPNM3	TP53	17:7571752	0.84	G/T	0.01	0.02	0.34
rs8069739	SBP, DBP	Evangelou et al., 2018 ¹²	TMEM107	17:8078765	0.96	C/T	0.68	0.7	0.38	
rs35565381	DBP	Hoffmann et al., 2017 ⁶		17:16175025	0.95	C/T	0.47	0.52	0.41	
rs4925159*	SBP, DBP	Evangelou et al., 2018 ¹²	TOPSA	17:18185510	0.7					
rs7221807	SBP	Giri et al., 2019 ⁸	SMCR8	17:18221799	60.9	1	C/T	0.42	0.43	0.93
rs941454	DBP	Evangelou et al., 2018 ¹²	SMCR8	17:18230380	0.99	C/T	0.42	0.43	0.93	
rs7502046	DBP	Evangelou et al., 2018 ¹²	EPN2	17:19196440	0.65	T/C	0.81	0.84	0.83	
rs17720594	PP	Giri et al., 2019 ⁸	SUPT16H	17:2003521	8.97	G/A	0.96	0.99	0.07	
rs13828587*	SBP, PP	Evangelou et al., 2018 ¹²	ERAL1	17:27195674	6.9					
rs11080134	DBP	Evangelou et al., 2018 ¹²	ATAD5	17:29161503	1	G/A	0.33	0.34	0.27	
rs1551355	SBP, DBP	Evangelou et al., 2018 ¹²	RP11-805L22.1	17:30023420	0.83	T/C	0.24	0.2	0.08	
rs4795641	PP	Giri et al., 2019 ⁸	C17orf79	17:30087300	0.93	T/C	0.49	0.48	0.09	
rs4523973	SBP, PP	Evangelou et al., 2018 ¹²	RP11-227G15.6	17:30809455	0.96	A/G	0.63	0.56	0.15	
rs3135967	PP	Evangelou et al., 2018 ¹²	LIG3	17:33313729	0.96	A/G	0.51	0.46	0.86	
rs79089478	PP	Warren et al., 2017 ⁶	KCNH4	17:40317241	0.97	T/C	0.98	0.97	0.39	
rs56228409	PP	Evangelou et al., 2018 ¹²	RAMP2	17:40919596	0.51	C/A	0.13	0.13	0.9	
rs62080325	PP	Warren et al., 2017 ⁶	PYAT	17:42060631	0.8	G/A	0.35	0.28	0.77	
rs117964596†	PP	Giri et al., 2019 ⁸	GPATCH8	17:42541156	0.68	C/T	0.04	0.01	0.31	
rs9904409	SBP, PP	Evangelou et al., 2018 ¹²	FZD2	17:42680402	0.87	A/G	0.11	0.06	0.34	
rs7213273	SBP	Ehret et al., 2016 ⁹	PLCD3	17:43155914	1	G/A	0.38	0.4	0.32	
rs12946454	SBP	Newton-Cheh et al., 2009 ³⁵	PLCD3	17:43208121	1	T/A	0.28	0.26	0.36	
rs115231027	PP	Hoffmann et al., 2017 ⁶		17:44199290	0.96	C/T	0.18	0.18	0.04	
rs17608766	SBP	Ehret et al., 2011 ¹⁴ ; Ehret et al., 2016 ⁹	GOSR2	17:45013271	1	C/T	0.17	0.12	0.89	
rs62076103	SBP, PP	Evangelou et al., 2018 ¹²	OSBP1	17:45888374	0.88	G/A	0.05	0.05	0.26	
rs2325885	PP	Giri et al., 2019 ⁸	SKAP1	17:46290375	0.96	C/T	0.77	0.75	0.03	
rs7406910	SBP	Surendran et al., 2016 ⁹	HOXB7	17:46688256	1	C/T	0.91	0.9	0.47	
rs72831855	PP	Giri et al., 2019 ⁸	TTL6	17:46844564	0.65	T/C	0.05	0.03	0.62	
rs35895680	SBP	Giri et al., 2019 ⁸	GIP	17:47060322	0.83	C/A	0.7	0.68	0.71	
rs12940887*	SBP, DBP	Ehret et al., 2011 ¹⁴ ; Ehret et al., 2016 ⁹	ZNF652	17:47402807	1.1					
rs16948048	DBP	Newton-Cheh et al., 2009 ³⁵	ZNF652	17:47440466	33.4	1	G/A	0.37	0.4	0.3
rs183716729†	PP	Giri et al., 2019 ⁸	TMEM100	17:53739608						
rs12325702	PP	Evangelou et al., 2018 ¹²	MSI2	17:55465464	0.84	A/T	0.43	0.44	0.48	
rs4558085*	SBP	Giri et al., 2019 ⁸	PMIIE	17:5602053	0.89					
rs4430710	SBP, DBP	Evangelou et al., 2018 ¹²	PMIIE	17:56876627	1.34	0.98	T/A	0.35	0.3	0.25
rs2645466	PP	Hoffmann et al., 2017 ⁶		17:57853214	1	C/A	0.3	0.33	0.46	
rs1036902*	SBP	Evangelou et al., 2018 ¹²	BCAS3	17:58950791	0.67					
rs9771286	SBP	Giri et al., 2019 ⁸	BCAS3	17:5897						

rs34413141	SBP, DBP	Evangelou et al., 2018 ¹²	YES1	18:777282	9.21	0.89	T/A	0.82	0.83	0.92
rs11665020	DBP	Evangelou et al., 2018 ¹²	PIEZO2	18:10879503		0.94	G/C	0.68	0.7	0.78
rs963920	PP	Evangelou et al., 2018 ¹²	PSMG2	18:12711052		0.91	G/T	0.31	0.3	0.7
rs12966571	PP	Giri et al., 2019 ⁸⁴	PSMG2	18:12736642		0.85	G/A	0.88	0.83	0.02
rs177992	PP	Giri et al., 2019 ⁸⁴		18:20063204		1	G/A	0.67	0.66	0.72
rs4800420	DBP	Evangelou et al., 2018 ¹²	CTAGE1	18:20158965		0.99	A/G	0.31	0.25	0.39
rs1154214	SBP, DBP	Evangelou et al., 2018 ¹²	AQP4-AS1	18:24546824		0.98	G/T	0.62	0.58	0.35
rs356833	SBP	Giri et al., 2019 ⁸⁴		18:26323252		0.99	A/G	0.76	0.72	0.54
rs356926	PP	Giri et al., 2019 ⁸⁴		18:26329054		0.95	G/A	0.82	0.78	0.28
rs10164193	DBP	Evangelou et al., 2018 ¹²	ASXL3	18:31161426		0.95	G/T	0.09	0.07	0.81
rs722675*	SBP	Giri et al., 2019 ⁸⁴	ASXL3	18:31168982	1.31	1	T/G	0.02	0.01	0.02
rs61735998	PP	Hoffmann et al., 2017 ⁸⁶		18:34289285		0.81	G/T	0.67	0.73	0.8
rs12086620	SBP, PP	Hoffmann et al., 2017 ⁸⁶		18:43800897		0.99	A/C	0.29	0.33	0.51
rs12085173	SBP, DBP	Ehret et al., 2016 ⁹	SETBP1	18:42141977		0.99	A/C	0.29	0.33	0.51
rs2193635*	SBP, PP	Hoffmann et al., 2017 ⁸⁶		18:43096236	4.98	0.99	A/C	0.29	0.33	0.51
rs7236548	PP	Warren et al., 2017 ¹⁰	SLC14A2	18:43097750	12.05	0.99	A/C	0.2	0.19	0.89
rs745821	DBP	Warren et al., 2017 ¹⁰	MAPK4	18:48142854		0.99	T/G	0.74	0.74	0.68
rs36010659	PP	Hoffmann et al., 2017 ⁸⁶		18:48283949		0.97	T/C	0.83	0.88	0.48
rs11876341	SBP, DBP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁸⁴	MEX3C	18:48799991		0.84	G/A	0.32	0.29	0.57
rs34163044	DBP	Evangelou et al., 2018 ¹²	STAR66	18:51851616		0.88	A/C	0.44	0.41	0.25
rs72930904	DBP	Evangelou et al., 2018 ¹²	CCDC68	18:52607301		0.99	C/T	0.86	0.8	0.96
rs599550	SBP, PP	Giri et al., 2019 ⁸⁴	TCF4	18:53252388		0.98	G/A	0.15	0.13	0.15
rs12605156	DBP	Evangelou et al., 2018 ¹²	TCF4	18:53498114		1	A/T	0.8	0.79	0.26
rs10048404	SBP	Evangelou et al., 2018 ¹²	WDR7	18:54578482		0.67	C/T	0.61	0.63	0.53
rs18335240	DBP	Hoffmann et al., 2017 ⁸⁶		18:59096824		0.12	A/G	1	1	1
rs12172847	SBP, PP	Evangelou et al., 2018 ¹²	ZCCHC2	18:60223017		0.99	G/A	0.71	0.67	0.82
rs12454712	SBP, DBP, PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁸⁴	BCL2	18:60845884		0.49	T/C	0.61	0.56	0.01
rs10460108	SBP, DBP	Evangelou et al., 2018 ¹²	TSHZ1	18:73034151	1.91	0.97	A/G	0.49	0.42	0.93
rs1898165*	SBP	Giri et al., 2019 ⁸⁴	TSHZ1	18:73040376	1.62					
rs1047922	PP	Evangelou et al., 2018 ¹²	ZNF516	18:74070562		0.44	C/T	0.13	0.07	0.64
rs4919883	PP	Giri et al., 2019 ⁸⁴	RNF126	19:664278	47.17	0.86	C/T	0.15	0.16	0.63
rs7250835*	SBP, PP	Evangelou et al., 2018 ¹²	AC004156.3	19:670234	2.03					
rs3760994	PP	Evangelou et al., 2018 ¹²	DAZAP1	19:1435771		0.52	G/A	0.51	0.5	0.22
rs188076989	PP	Giri et al., 2019 ⁸⁴	AP5D1	19:2120459				0	0	1
rs18320266	SBP, PP	Giri et al., 2019 ⁸⁴	AP5D1	19:2154723		0.47	T/C	0	0	1
rs2302061	PP	Liu et al., 2016 ¹²	DDIT1L	19:2226772		0.75	C/G	0.14	0.11	1
rs740406	PP	Kato et al., 2015 ¹⁹	HDDOT1L.PLEKHJ1.SF	19:22322221		0.92	G/A	0.07	0.09	0.16
rs10467022	PP	Surendran et al., 2016 ³⁸	AMH	19:2249477		0.81	G/T	0.18	0.2	0.79
rs56356382	PP	Giri et al., 2019 ⁸⁴	ZBTB7A	19:4064057		1	T/C	0.81	0.8	0.49
rs2656523	PP	Evangelou et al., 2018 ¹²	MAP2K2	19:4085896		0.68	C/G	0.76	0.81	0.81
rs1840221	SBP	Giri et al., 2019 ⁸⁴	UHRF1	19:4932279		0.92	T/C	0.28	0.21	0.76
rs169080	PP	Giri et al., 2019 ⁸⁴	KDM4B	19:4980864		0.89	T/C	0.37	0.32	0.97
rs2613765	SBP, PP	Evangelou et al., 2018 ¹²	KDM4B	19:5066330		0.89	G/A	0.55	0.49	0.68
rs7248104	PP	Liu et al., 2016 ¹²	INSR	19:7224431		1	G/A	0.58	0.59	0.55
rs4247374	SBP, DBP	Ehret et al., 2016 ⁹	INSR	19:7252756		0.44	C/T	0.87	0.93	0.83
rs10427021	SBP, DBP	Hoffmann et al., 2017 ⁸⁶		19:7259346		0.4	T/G	0.87	0.91	0.6
rs2009733	DBP	Evangelou et al., 2018 ¹²	KANK3	19:8398714		1	A/G	0.52	0.53	0.48
rs20068233	PP	Hoffmann et al., 2017 ⁸⁶		19:10372360		0.96	C/G	0.18	0.26	0.03
rs167479	SBP, DBP, PP	Hoffmann et al., 2017 ⁸⁶ ; Surendran et al., 2016 ³⁸ ; Liu et al., 2016 ¹²	RGL3	19:11526765		1	G/T	0.54	0.51	0.27
rs17638167	DBP	Ehret et al., 2016 ⁹	ELAVL3	19:11584818		0.71	C/T	0.95	0.97	1
rs10418305	PP	Hoffmann et al., 2017 ⁸⁶		19:15278808		0.95	G/C	0.88	0.92	0.92
rs3745318	DBP	Evangelou et al., 2018 ¹²	KLF2	19:16436262		0.81	T/C	0.23	0.2	0.46
rs4808569	DBP	Hoffmann et al., 2017 ⁸⁶		19:17218970		0.95	C/A	0.81	0.84	0.91
rs66978877	SBP	Takeuchi et al., 2018 ⁸⁷		19:18455657		0.99	T/C	0.76	0.77	0.46
rs8111708	PP	Evangelou et al., 2018 ¹²	ELL	19:18558876		0.97	A/G	0.65	0.62	0.18
rs8103992	PP	Hoffmann et al., 2017 ⁸⁶		19:19665643		0.8	A/C	0.2	0.19	0.89
rs2304130	DBP	Surendran et al., 2016 ³⁸	ZNF101	19:19789528		1	G/A	0.08	0.09	0.51
rs6511291	DBP	Evangelou et al., 2018 ¹²	ZNF100	19:21950407		0.94	C/T	0.56	0.5	0.6
rs8104559	SBP	Giri et al., 2019 ⁸⁴	ZNF208	19:22205167		0.95	C/T	0.17	0.19	0.15
rs62104477	DBP	Warren et al., 2017 ¹⁰	CCNE1	19:22205167		0.98	T/G	0.28	0.3	0.76
rs3431990	DBP	Hoffmann et al., 2017 ⁸⁶		19:30521561		0.99	G/T	0.37	0.35	0.7
rs8105753	SBP, DBP	Hoffmann et al., 2017 ⁸⁶		19:31927547		0.71	A/C	0.57	0.57	0.65
rs1821295	DBP	Evangelou et al., 2018 ¹²	AC011518.1	19:3259073		0.97	C/T	0.29	0.31	0.19
rs7256564	SBP	Evangelou et al., 2018 ¹²	PEPD	19:33889593		0.99	A/G	0.31	0.33	0.32
rs379862	PP	Giri et al., 2019 ⁸⁴	KIAA0355	19:34844563		0.93	G/T	0.39	0.34	0.22
rs12983238	DBP	Evangelou et al., 2018 ¹²	CTC-360G5.8	19:39438532		0.68	G/A	0.7	0.7	0.22
rs9710247	DBP	Wain et al., 2011 ¹⁷	AKT2	19:40760449		0.91	G/A	0.52	0.54	0.88
rs12982298	PP	Giri et al., 2019 ⁸⁴	SPTBN4	19:41047360		0.92	T/G	0.3	0.38	0.67
rs4803457	PP	Hoffmann et al., 2017 ⁸⁶		19:41861359		0.99	T/C	0.38	0.36	0.03
rs7412	SBP, PP	Evangelou et al., 2018 ¹² ; Giri et al., 2019 ⁸⁴	APOE	19:45412079		1	C/T	0.94	0.92	0.29
rs34783010	SBP, PP	Evangelou et al., 2018 ¹²	GIPR	19:46180414	50.92	1	T/G	0.21	0.2	0.75
rs10423928*	SBP	Giri et al., 2019 ⁸⁴	GIPR	19:46182304	5.65					
rs73046792	SBP, DBP, PP	Evangelou et al., 2018 ¹²	SNRNP70	19:49605705		0.81	G/A	0.84	0.89	0.77
rs61760904	SBP, PP	Giri et al., 2019 ⁸⁴	RRAS	19:50139932		1	T/C	0.01	0.02	0.11
rs138877676	SBP	Evangelou et al., 2018 ¹²	SPB1	19:50935809		0.48	G/T	0.99	0.99	0.15
rs2143635	PP	Evangelou et al., 2018 ¹²	MEM239	20:2793063		0.82	C/T	0.08	0.11	0.88
rs7266274	SBP, DBP	Evangelou et al., 2018 ¹²	SMOX	20:4098684		0.99	A/T	0.84	0.77	0.71
rs6054200	SBP	Giri et al., 2019 ⁸⁴		20:6365645		0.93	C/G	0.61	0.56	0.21
rs765302	PP	Giri et al., 2019 ⁸⁴		20:6656028	1.11	1	G/C	0.5	0.51	0.25
rs11087740*	PP	Evangelou et al., 2018 ¹²	BMP2	20:6657554	0.76					
rs6108168	SBP, DBP, HTN	Warren et al., 2017 ¹⁰	PLCB1	20:8626271		1	C/A	0.77	0.75	0.97
rs680515	DBP, PP	Evangelou et al., 2018 ¹²	SLX4IP	20:10458688		0.99	G/A	0.62	0.6	0.74
rs1327235	SBP, DBP	Ehret et al., 2011 ¹⁴ ; Ehret et al., 2016 ⁹	JAG1	20:10969030		1	G/A	0.46	0.46	1
rs1232482	DBP	Evangelou et al., 2018 ¹²	FTBD3	20:11856643		0.96	C/T	0.59	0.58	0.13
rs2618647	SBP, DBP	Evangelou et al., 2018 ¹²	RN16-192P	20:17882452		1	G/A	0.52	0.51	0.95
rs6081613*	PP	Warren et al., 2017 ¹⁰	SLC24A3	20:19465907	1.09					
rs3790227	PP	Hoffmann et al., 2017 ⁸⁶		20:19469002	1.18	0.98	A/C	0.28	0.23	0.46
rs369386096	DBP	Hoffmann et al., 2017 ⁸⁶		20:23502129		0.97	T/C	0.84	0.84	0.27
rs6060114	DBP	Hoffmann et al., 2017 ⁸⁶		20:30169673		0.97	T/C	0.2	0.23	0.35
rs2424908	PP	Hoffmann et al., 2017 ⁸⁶		20:31360383		0.97	T/C	0.2	0.23	0.35
rs13042148	DBP	Evangelou et al., 2018 ¹²	CDK5RAP1	20:32298286		0.92	C/T	0.82	0.86	0.18
rs6141479	PP	Evangelou et al., 2018 ¹²	DYNLRB1	20:33121942		0.75	C/G	0.22	0.23	0.74
rs867186	DBP	Surendran et al., 2016 ³⁸	PROCR	20:33764554		1	A/G	0.91	0.89	0.39
rs6142381	PP	Giri et al., 2019 ⁸⁴	GDF5	20:34008623		0.99	G/A	0.38	0.38	0.4
rs4811601	DBP, PP	Evangelou et al., 2018 ¹²	KIAA1755	20:36849007		0.95	T/C	0.43	0.44	0.57
rs1205445	PP	Giri et al., 2019 ⁸⁴	KIAA1755	20:36877746		0.83	A/G	0.33	0.32	0.92
rs6129880	SBP, DBP	Hoffmann et al., 2017 ⁸⁶		20:40251829		0.92	T/G	0.79	0.79	0.05
rs6031435	SBP, PP	Hoffmann et al., 2017 ⁸⁶		20:42797358		0.95	G/A	0.48	0.48	0.62
rs6095241	DBP	Surendran et al., 2016 ³⁸	PREX1	20:47308798	1.13	1.00	G/A	0.54	0.64	0.48
rs6019378*	DBP	Hoffmann et al., 2017 ⁸⁶		20:47309716	1.01					
rs6021247	SBP, DBP	Evangelou et al., 2018 ¹² ; Takeuchi et al., 2018 ⁸⁷	NFATC2	20:50108980		1	A/G	0.54	0.46	0.75
rs6092743	SBP, DBP, MAP	Ganesha et al., 2014 ¹⁴	C2orf174	20:57700370		0.95	A/G	0.14	0.13	0.61
rs6026748	SBP, DBP	Ehret et al., 2016 ⁹	GNAS-EDN3	20:57745815	13.02	0.97	A/G	0.13	0.1	0.04
rs6015450*	SBP, DBP, HTN	Ehret et al., 2011 ¹⁴	GNAS-EDN3	20:57751117	6.66					
rs6090040	SBP	Hoffmann et al., 2017 ⁸⁶		20:62692060		0.92	A/C	0.47	0.54	0.64
rs13050325	PP	Hoffmann et al., 2017 ⁸⁶		21:16343812		0.91	G/A	0.24		

rs4823006	SBP	Liu et al., 2016 ¹²	ZNRF3	22:29451671	1	A/G	0.57	0.55	0.84
rs737721	PP	Evangelou et al., 2018 ¹²	UQR10	22:30172254	0.97	G/C	0.05	0.08	0.6
rs5753103	PP	Evangelou et al., 2018 ¹²	RP1-130H16.18	22:30768777	0.99	A/G	0.48	0.48	0.75
rs9609429	DBP	Evangelou et al., 2018 ¹²	APIB1P1	22:32517431	0.98	T/C	0.76	0.72	0.91
rs5750482	SBP, PP	Evangelou et al., 2018 ¹²	TRIOBP.NOL12	22:38117943	1	T/C	0.42	0.44	0.86
rs12485003	PP	Hoffmann et al., 2017 ²⁶		22:40635276	0.67	A/G	0.08	0.1	0.48
rs470113	PP	Surendran et al., 2016 ²⁶	TNRC6B	22:40729614	1	G/A	0.16	0.24	1
rs8141699	PP	Giri et al., 2019 ²⁴	MIR1281	22:41432544	0.69	C/T	0.05	0.08	0.47
rs73161324	PP	Warren et al., 2017 ¹⁰	XRCC6	22:42038786	0.47	T/C	0.05	0.03	0.82
rs77692990	PP	Evangelou et al., 2018 ¹²	BRD1	22:50219952	0.64	C/T	0.92	0.93	0.16
rs28578714	SBP	Evangelou et al., 2018 ¹²	PLXNB2	22:50727921	0.99	T/C	0.6	0.63	0.07

Effect allele: Allele positively associated with the trait of interest. *These genetic variants were excluded from the analyses as they are in high LD ($r^2 > 0.8$) with other genetic variants.

LD between SNPs was calculated for 1000G CEU data using LDlink²⁸.

†Effect alleles were discordant for the different blood pressure traits. ‡ Genetic variants not present in GLACIER 1000G imputed genetic data. †† Genetic variants excluded due to deviations from Hardy-Weinberg expectations, a minor allele frequency <1% and/or having a low imputation quality score.

CEU EAF frequencies were obtained from 1000G data.

HWE p-values <1E-06 are marked in bold

S2. Summary of the characteristic of the GLACIER study participants

Variables	Cross-sectional (Nmax= 4,603)	Longitudinal (Nmax= 3,925)		<i>P</i> _{trend}
	Baseline	Baseline	Follow-up	
Age (years)	45.7±6.3	45.2±6.5	55.1±6.5	<0.0001
Sex (%: male/female)	36.6/63.4	36.4/63.6	36.4/63.6	-
Hypertensive medication (%: no/yes)	94.6/5.4	100/0*	92.4/7.6	-
Systolic blood pressure (mmHg)	123.4±15.6	120.6±12.9	127.9±17.6	<0.0001
Diastolic blood pressure (mmHg)	77.5±10.2	75.9±9.0	78.0±10.1	<0.0001
Mean arterial pressure (mmHg)	92.8±11.2	90.8±9.5	94.6±11.8	<0.0001
Pulse pressure (mmHg)	45.8±10.5	44.7±9.5	49.9±12.1	<0.0001
BMI (kg/m ²)	25.2±3.8	24.9±3.6	26.0±4.0	<0.0001
Fasting glucose (mmol/l)	5.3±0.7	5.2±0.7	5.6±0.8	<0.0001
Two-hour glucose (mmol/l)	6.5±1.4	6.4±1.3	7.0±1.6	<0.0001
Smoking status (%: smokers/former smokers/non-smokers/occasional smokers/former occasional smokers)	21.9/22.3/43.2/4.0/8.6	23.0/21.9/42.6/4.1/8.4	15.4/27.1/45.4/2.6/9.5	<0.0001
Physical activity (%: never/occasionally/ 1-2 times per week/ 2-3 times per week/ >3 times per week)	42.4/25.9/19.4/8.6/3.7	41.2/25.9/20.2/9.0/3.7	41.9/22.2/14.1/15.9/5.9	<0.0001
GRS _{SBP}	555.1±14.9	554.3±14.9	554.3±14.9	-
GRS _{DBP}	501.2±13.9	500.4±13.7	500.4±13.7	-
GRS _{MAP}	22.5±2.9	22.4±2.9	22.4±2.9	-
GRS _{PP}	465.9±13.7	465.6±13.6	465.6±13.6	-
GRS _{HTN}	22.8±2.8	22.7±2.8	22.7±2.8	-
GRS _{comb}	1149.8±21.5	1148.6±21.4	1148.6±21.4	-

Data are expressed as mean±standard deviation for quantitative variables and as % for qualitative variables.

GRS: genetic risk score; GRS_{SBP}: systolic blood pressure GRS; GRS_{DBP}: diastolic blood pressure GRS; GRS_{MAP}: mean arterial pressure GRS;

GRS_{PP}: pulse pressure GRS; GRS_{HTN}: hypertension GRS; GRS_{comb}: GRS including all the genetic variants associated with any blood pressure trait.

*Only individuals free of hypertensive medication at baseline were included in longitudinal analyses.

S3. Longitudinal associations using the GRSs for their respective BP trait

Variables	SBP		DBP		MAP		PP	
	Beta (95%CI)	p-value	Beta (95%CI)	p-value	Beta (95%CI)	p-value	Beta (95%CI)	p-value
Age (years)	0.31 (-0.66-1.28)	0.53	0.79 (0.21-1.38)	8.17E-03	0.66 (0.01-1.30)	4.55E-02	-0.80 (-1.55--0.06)	3.52E-02
Age ² (years ²)	0.00 (-0.01-0.01)	0.67	-0.01 (-0.01--0.00)	3.74E-02	-0.00 (-0.01-0.00)	0.23	0.01 (0.01-0.02)	1.32E-03
Sex (Male vs Female)	0.01 (-0.97-0.99)	0.99	-1.74 (-2.34--1.15)	9.56E-09	-0.92 (-1.58-0.27)	5.72E-03	0.93 (0.19-1.68)	1.43E-02
Follow-up time (years)	0.14 (-1.17-1.46)	0.83	0.07 (-0.73-0.86)	0.87	0.05 (-0.82-0.92)	0.91	0.09 (-0.93-1.10)	0.87
PC1	-7.07 (-38.94-24.80)	0.66	-24.28 (-43.61--4.94)	1.39E-02	-19.72 (-40.83-1.39)	0.07	24.92 (0.39-49.44)	4.66E-02
PC2	12.31 (-19.07-43.69)	0.44	14.23 (-4.78-33.24)	0.14	12.16 (-8.65-32.98)	0.25	-9.85 (-34.01-14.30)	0.42
PC3	47.2 (15.34-78.98)	3.69E-03	24.11 (4.90-43.31)	1.39E-02	30.29 (9.21-51.37)	4.88E-03	29.86 (5.43-54.28)	1.66E-02
PC4	25.1 (-6.71-56.84)	0.12	-10.09 (-29.31-9.12)	0.3	5.70 (-15.38-26.78)	0.6	24.16 (-0.23-48.56)	0.05
Average BMI (kg/m ²)	0.56 (0.43-0.69)	2.64E-16	0.43 (0.35-0.51)	<2E-16	0.42 (0.34-0.51)	<2E-16	0.28 (0.18-0.38)	4.15E-08
Baseline BP (mmHg)	0.63 (0.59-0.67)	<2E-16	0.44 (0.41-0.47)	<2E-16	0.59 (0.56-0.63)	<2E-16	0.38 (0.34-0.41)	<2E-16
GRS(SD)	1.21 (0.73-1.68)	5.68E-07	0.81 (0.52-1.10)	5.00E-08	0.50 (0.19-0.81)	1.39E-03	0.97 (0.61-1.32)	1.54E-07

PC: Principal Component; GRS: Genetic Risk Score; SD: Standard deviation. Significant estimates are marked in bold.

S4. Cross-sectional and longitudinal associations of the SBP-associated loci

Genetic variant	Cross-sectional (N= 4,354)				Longitudinal (N= 3,626)			
	Beta (per allele)	SE	P	<i>P</i> _{FDR}	Beta (per allele)	SE	P	<i>P</i> _{FDR}
rs1004467	0.12	0.52	0.81	0.97	0.24	0.56	0.67	0.95
rs10048404	0.10	0.40	0.80	0.97	0.17	0.43	0.69	0.95
rs10057188	0.65	0.35	0.06	0.52	0.32	0.37	0.39	0.94
rs10059921	0.46	0.76	0.54	0.88	-0.66	0.83	0.43	0.94
rs10062049	0.20	0.42	0.63	0.91	-0.56	0.44	0.21	0.94
rs10069690	-0.88	0.35	1.26E-02	0.32	-0.29	0.38	0.45	0.94
rs1008058	0.55	0.39	0.16	0.70	0.38	0.42	0.37	0.94
rs10087782	0.67	0.31	2.81E-02	0.37	0.24	0.33	0.47	0.95
rs1011018	-0.20	0.40	0.62	0.90	-0.11	0.43	0.81	0.97
rs10164193	0.56	0.64	0.39	0.82	0.30	0.69	0.66	0.95
rs10182307	-0.22	0.31	0.47	0.87	-0.39	0.34	0.25	0.94
rs10184004	-0.65	0.32	4.15E-02	0.41	0.36	0.34	0.29	0.94
rs10189186	0.22	0.32	0.49	0.88	-0.31	0.34	0.36	0.94
rs10216063	-0.50	0.46	0.27	0.78	-0.16	0.49	0.75	0.95
rs10233127	-0.61	0.57	0.29	0.78	-0.39	0.62	0.53	0.95
rs10274928	0.03	0.33	0.94	1.00	0.43	0.36	0.23	0.94
rs1034906	0.33	0.46	0.47	0.87	-0.45	0.49	0.36	0.94
rs10427021	0.05	0.65	0.94	1.00	-0.67	0.70	0.34	0.94
rs1043069	0.35	0.34	0.32	0.78	0.44	0.37	0.24	0.94
rs10437954	0.53	0.64	0.41	0.82	0.04	0.69	0.95	1.00
rs1044822	1.03	0.46	2.63E-02	0.37	-0.39	0.50	0.43	0.94
rs10448275	0.10	0.32	0.75	0.97	0.04	0.35	0.91	0.99
rs1047030	-0.15	0.39	0.70	0.95	0.07	0.42	0.86	0.98
rs10477176	0.15	0.38	0.69	0.93	1.13	0.41	5.51E-03	0.72
rs1047891	-0.03	0.36	0.94	1.00	-0.03	0.39	0.93	0.99
rs1063281	0.01	0.32	0.97	1.00	0.52	0.34	0.13	0.90
rs10743086	0.56	0.39	0.15	0.68	0.10	0.42	0.81	0.97
rs10747570	0.56	0.34	0.09	0.58	-0.13	0.36	0.71	0.95
rs10760117	0.09	0.31	0.78	0.97	-0.34	0.34	0.31	0.94
rs10760260	0.09	0.47	0.85	0.98	-0.43	0.50	0.39	0.94
rs10761530	0.16	0.31	0.60	0.89	-0.05	0.34	0.89	0.98
rs10766533	-0.54	0.36	0.14	0.66	-0.30	0.40	0.46	0.95
rs10778174	0.49	0.40	0.22	0.75	0.54	0.43	0.21	0.94
rs10782230	0.38	0.32	0.23	0.75	0.24	0.34	0.49	0.95
rs10784502	0.31	0.31	0.32	0.78	0.35	0.34	0.30	0.94
rs10823136	-0.06	0.62	0.92	1.00	0.60	0.66	0.37	0.94
rs10849594	0.65	0.40	0.11	0.63	0.82	0.43	0.06	0.86
rs10850411	0.82	0.33	1.21E-02	0.32	0.32	0.35	0.36	0.94
rs10858966	0.52	0.34	0.13	0.66	0.31	0.37	0.41	0.94
rs10887914	0.74	0.31	1.77E-02	0.34	0.06	0.34	0.86	0.98
rs10922502	-0.03	0.34	0.93	1.00	0.65	0.36	0.07	0.86
rs10923038	1.11	0.34	1.05E-03	0.10	-0.19	0.37	0.60	0.95
rs10995311	0.02	0.31	0.94	1.00	0.56	0.34	0.10	0.86
rs11031051	-0.03	0.34	0.92	1.00	0.61	0.37	0.10	0.86
rs1106243	0.18	0.33	0.58	0.89	0.30	0.35	0.40	0.94
rs11072518	0.61	0.33	0.06	0.52	-0.51	0.35	0.15	0.91
rs11112548	-0.87	0.93	0.35	0.79	0.24	1.02	0.82	0.97
rs11128722	0.75	0.35	3.25E-02	0.38	-0.10	0.38	0.79	0.96
rs11145807	0.41	0.32	0.20	0.74	-0.24	0.35	0.50	0.95
rs11154334	0.32	0.33	0.33	0.78	0.19	0.35	0.59	0.95
rs11168244	0.82	0.40	3.99E-02	0.40	0.29	0.43	0.50	0.95
rs111790405	0.83	0.97	0.39	0.82	0.79	1.06	0.46	0.95
rs111791351	0.53	0.48	0.27	0.78	0.21	0.52	0.69	0.95
rs11187142	-0.29	0.64	0.64	0.92	-0.47	0.69	0.50	0.95
rs11197813	0.22	0.36	0.54	0.88	0.46	0.39	0.24	0.94
rs11210029	-0.08	0.32	0.80	0.97	-0.20	0.34	0.57	0.95
rs112260610	-0.70	0.45	0.12	0.66	-0.36	0.49	0.46	0.95
rs112280096	-0.07	0.36	0.85	0.98	0.20	0.39	0.60	0.95
rs1124235	-0.10	0.44	0.81	0.97	0.32	0.47	0.49	0.95
rs112557609	-0.27	0.35	0.45	0.87	-0.77	0.37	3.91E-02	0.83
rs11256837	-0.07	0.40	0.86	0.98	-0.19	0.44	0.66	0.95
rs112875651	0.71	0.32	2.83E-02	0.37	-0.27	0.35	0.44	0.94

rs112925537	0.09	0.38	0.82	0.98	-0.36	0.41	0.39	0.94
rs113161639	-0.29	0.67	0.67	0.92	1.27	0.72	0.08	0.86
rs1133400	-0.57	0.41	0.16	0.70	-0.04	0.44	0.93	0.99
rs115172170	0.50	0.90	0.58	0.89	-0.57	0.98	0.56	0.95
rs1154214	0.21	0.32	0.51	0.88	-0.28	0.34	0.42	0.94
rs11556924	0.33	0.31	0.29	0.78	0.05	0.34	0.88	0.98
rs11571376	0.69	0.38	0.07	0.55	0.61	0.41	0.14	0.91
rs11579440	0.77	0.46	0.09	0.58	0.49	0.50	0.32	0.94
rs1159201	0.13	0.36	0.72	0.95	-0.34	0.39	0.39	0.94
rs11592107	0.17	0.36	0.63	0.91	0.03	0.39	0.94	0.99
rs11592166	0.33	0.47	0.49	0.88	1.11	0.52	3.11E-02	0.83
rs11622562	0.29	0.33	0.38	0.82	0.04	0.35	0.91	0.99
rs11623535	0.30	0.36	0.40	0.82	-0.11	0.39	0.77	0.96
rs11632436	0.08	0.32	0.80	0.97	0.21	0.34	0.54	0.95
rs11634028	-1.14	0.55	0.04	0.40	-0.75	0.60	0.21	0.94
rs11636251	0.02	0.35	0.95	1.00	-0.61	0.38	0.11	0.86
rs11639856	0.17	0.44	0.71	0.95	-0.20	0.48	0.67	0.95
rs11641374	-0.07	0.33	0.83	0.98	-0.27	0.36	0.44	0.94
rs11643209	0.05	0.33	0.87	0.98	0.16	0.35	0.65	0.95
rs11688682	-0.14	0.44	0.74	0.97	0.26	0.48	0.59	0.95
rs11694601	0.58	0.33	0.08	0.55	0.00	0.36	1.00	1.00
rs11771693	0.18	0.34	0.60	0.89	0.36	0.37	0.33	0.94
rs11774829	0.00	0.46	1.00	1.00	0.46	0.49	0.35	0.94
rs11876341	1.47	0.36	5.75E-05	1.06E-02	0.72	0.40	0.07	0.86
rs11993898	-0.23	0.44	0.60	0.89	0.81	0.47	0.09	0.86
rs12042924	0.10	0.33	0.76	0.97	0.59	0.36	0.10	0.86
rs12088448	1.10	0.34	1.41E-03	0.11	0.42	0.37	0.26	0.94
rs12116637	-0.07	0.34	0.84	0.98	0.06	0.37	0.86	0.98
rs12153395	0.66	0.50	0.18	0.73	0.63	0.53	0.23	0.94
rs12172847	-0.04	0.33	0.89	0.99	0.56	0.36	0.12	0.86
rs12184466	0.36	0.57	0.52	0.88	0.41	0.61	0.50	0.95
rs12195276	0.23	0.36	0.51	0.88	-0.04	0.39	0.92	0.99
rs12243859	-0.13	0.36	0.71	0.95	0.95	0.39	1.42E-02	0.72
rs12247028	0.99	0.42	1.77E-02	0.34	0.56	0.45	0.22	0.94
rs12258967	0.13	0.38	0.74	0.97	0.36	0.41	0.38	0.94
rs12286721	0.28	0.31	0.38	0.82	-0.12	0.34	0.72	0.95
rs12454712	-0.51	0.44	0.25	0.76	0.32	0.48	0.50	0.95
rs12473688	0.66	0.36	0.06	0.52	0.42	0.39	0.28	0.94
rs12474446	-0.55	0.43	0.20	0.74	-0.38	0.46	0.41	0.94
rs1250259	0.39	0.37	0.28	0.78	-0.36	0.39	0.35	0.94
rs12504699	-0.07	0.32	0.83	0.98	0.51	0.35	0.14	0.91
rs12511987	-0.08	0.40	0.84	0.98	0.54	0.43	0.20	0.94
rs12515541	0.25	0.35	0.47	0.87	-0.30	0.37	0.42	0.94
rs12572586	0.35	0.78	0.65	0.92	1.38	0.83	0.10	0.86
rs12606620	0.88	0.39	2.31E-02	0.36	0.43	0.42	0.31	0.94
rs12627651	0.47	0.36	0.19	0.73	0.07	0.38	0.86	0.98
rs12630213	0.81	0.35	2.05E-02	0.35	0.09	0.38	0.80	0.97
rs12636552	-0.18	0.35	0.60	0.89	0.06	0.37	0.86	0.98
rs12638085	-0.07	0.34	0.84	0.98	0.17	0.36	0.64	0.95
rs12656497	0.49	0.32	0.13	0.66	-0.17	0.34	0.61	0.95
rs12668436	0.27	0.36	0.45	0.87	-0.23	0.39	0.55	0.95
rs12670854	0.41	0.66	0.53	0.88	-0.35	0.71	0.62	0.95
rs12694277	-0.12	0.37	0.74	0.97	0.26	0.40	0.51	0.95
rs12703989	0.17	0.40	0.67	0.92	-0.17	0.43	0.70	0.95
rs12705390	0.96	0.38	1.30E-02	0.32	0.43	0.42	0.30	0.94
rs1275988	0.18	0.32	0.57	0.89	0.42	0.35	0.23	0.94
rs12770172	-0.02	0.42	0.97	1.00	-0.09	0.45	0.85	0.98
rs12906962	-0.33	0.33	0.31	0.78	0.49	0.35	0.17	0.94
rs12916871	0.75	0.36	3.79E-02	0.40	-0.11	0.39	0.78	0.96
rs12921187	-0.01	0.32	0.97	1.00	-0.06	0.34	0.85	0.98
rs12946454	0.72	0.36	4.40E-02	0.42	0.31	0.39	0.42	0.94
rs12958173	-0.16	0.33	0.62	0.90	-0.09	0.36	0.80	0.97
rs12979	-0.26	0.47	0.59	0.89	-0.40	0.51	0.43	0.94
rs13024657	0.39	0.45	0.39	0.82	0.32	0.49	0.51	0.95
rs13050325	0.30	0.38	0.42	0.83	-0.11	0.41	0.79	0.96
rs13107325	1.08	0.93	0.25	0.75	0.42	1.00	0.68	0.95
rs13112725	0.48	0.45	0.29	0.78	-0.23	0.48	0.63	0.95

rs13179413	0.11	0.43	0.80	0.97	-0.58	0.47	0.22	0.94
rs13238550	-0.35	0.31	0.26	0.76	-0.55	0.34	0.10	0.86
rs13253358	0.81	0.35	2.17E-02	0.35	0.61	0.38	0.11	0.86
rs1327235	0.17	0.31	0.59	0.89	-0.10	0.34	0.78	0.96
rs13288002	-0.10	0.33	0.76	0.97	-0.16	0.35	0.66	0.95
rs13290326	0.18	0.32	0.58	0.89	-0.13	0.34	0.71	0.95
rs13306561	0.77	0.42	0.06	0.52	0.46	0.44	0.30	0.94
rs1331012	0.27	0.37	0.46	0.87	-0.27	0.40	0.49	0.95
rs1332813	0.46	0.33	0.16	0.70	0.14	0.35	0.69	0.95
rs13359291	0.42	0.34	0.22	0.75	-0.32	0.37	0.38	0.94
rs13403122	-0.43	0.36	0.24	0.75	-0.22	0.39	0.57	0.95
rs13420463	0.38	0.36	0.30	0.78	0.23	0.39	0.55	0.95
rs1347345	0.48	0.32	0.13	0.66	0.57	0.35	0.11	0.86
rs1361831	0.40	0.32	0.21	0.75	-0.08	0.35	0.82	0.98
rs1371182	-0.07	0.32	0.82	0.98	0.24	0.34	0.48	0.95
rs1378942	0.39	0.33	0.24	0.75	-0.24	0.36	0.51	0.95
rs138877676	0.25	1.74	0.89	0.99	2.86	1.84	0.12	0.87
rs139354822	-0.29	0.67	0.67	0.92	1.39	0.72	0.05	0.86
rs139385870	-0.29	0.34	0.40	0.82	-0.72	0.37	0.05	0.86
rs142449193	0.52	0.87	0.55	0.88	-0.34	0.94	0.72	0.95
rs143112823	-0.19	0.77	0.81	0.97	1.00	0.82	0.22	0.94
rs1432457	0.17	0.35	0.63	0.91	-0.21	0.38	0.59	0.95
rs1438896	0.28	0.33	0.39	0.82	0.93	0.35	8.38E-03	0.72
rs144317085	2.15	0.96	2.46E-02	0.36	-0.01	1.07	0.99	1.00
rs1446468	0.03	0.31	0.93	1.00	0.04	0.34	0.92	0.99
rs1450271	-0.23	0.32	0.48	0.87	0.28	0.35	0.41	0.94
rs1489110	0.47	0.34	0.17	0.71	0.42	0.37	0.26	0.94
rs1530440	0.24	0.41	0.57	0.89	0.27	0.44	0.54	0.95
rs1551355	0.28	0.42	0.50	0.88	0.10	0.45	0.83	0.98
rs1565716	1.15	0.64	0.07	0.55	-0.22	0.70	0.75	0.95
rs1620668	1.01	0.36	5.59E-03	0.26	0.06	0.39	0.89	0.98
rs1630266	-0.42	0.67	0.54	0.88	-0.57	0.72	0.43	0.94
rs1630736	0.06	0.39	0.88	0.99	0.18	0.42	0.66	0.95
rs167479	0.68	0.31	2.81E-02	0.37	-0.50	0.34	0.14	0.91
rs1694068	0.08	0.32	0.81	0.97	-0.43	0.34	0.21	0.94
rs16948048	0.00	0.32	0.99	1.00	0.27	0.35	0.43	0.94
rs16998073	0.99	0.33	3.20E-03	0.18	0.57	0.36	0.12	0.86
rs17010957	0.10	0.40	0.81	0.97	0.90	0.43	3.76E-02	0.83
rs17035181	0.57	0.48	0.23	0.75	-0.46	0.51	0.37	0.94
rs17115145	0.01	0.33	0.97	1.00	-0.15	0.35	0.67	0.95
rs17210898	0.14	0.66	0.83	0.98	-0.25	0.71	0.73	0.95
rs17248480	-1.66	1.83	0.36	0.80	-0.85	1.97	0.66	0.95
rs17286052	0.49	0.53	0.36	0.80	-0.07	0.58	0.90	0.99
rs17396055	0.33	0.35	0.34	0.79	0.11	0.37	0.77	0.96
rs17423264	1.09	0.72	0.13	0.66	0.09	0.77	0.90	0.99
rs17608766	1.60	0.47	6.53E-04	0.09	-0.52	0.51	0.31	0.94
rs17720594	0.47	1.36	0.73	0.96	0.13	1.47	0.93	0.99
rs17804358	0.00	0.33	1.00	1.00	0.21	0.35	0.55	0.95
rs1799945	0.71	0.47	0.13	0.66	0.14	0.51	0.79	0.96
rs1801253	0.37	0.35	0.30	0.78	0.04	0.38	0.92	0.99
rs1813353	-0.43	0.36	0.23	0.75	0.88	0.38	2.19E-02	0.83
rs1837164	-0.41	0.32	0.19	0.74	-0.51	0.34	0.13	0.91
rs1840221	0.59	0.40	0.14	0.66	-0.01	0.43	0.98	1.00
rs184457	0.88	0.36	1.39E-02	0.32	-0.36	0.38	0.35	0.94
rs185819	0.39	0.31	0.21	0.75	0.07	0.33	0.83	0.98
rs1869800	-0.03	0.32	0.93	1.00	-0.24	0.35	0.49	0.95
rs1870123	-0.06	0.35	0.87	0.98	-0.18	0.37	0.62	0.95
rs1870735	0.50	0.33	0.14	0.66	0.53	0.36	0.14	0.91
rs1878406	0.10	0.51	0.85	0.98	0.09	0.54	0.87	0.98
rs1882289	0.43	0.47	0.36	0.80	-0.23	0.50	0.65	0.95
rs188911122	1.18	1.09	0.28	0.78	-1.70	1.17	0.15	0.91
rs1891730	-0.46	0.33	0.17	0.71	-0.16	0.35	0.66	0.95
rs189267552	1.49	1.37	0.28	0.78	-1.44	1.50	0.34	0.94
rs10460108	0.00	0.32	1.00	1.00	-0.34	0.34	0.33	0.94
rs190194639	-0.54	0.55	0.32	0.78	-1.01	0.58	0.08	0.86
rs191784289	0.91	0.90	0.32	0.78	0.80	0.98	0.42	0.94
rs1938598	-0.03	0.38	0.94	1.00	0.34	0.41	0.40	0.94

rs1986971	0.23	0.35	0.50	0.88	-1.03	0.38	6.49E-03	0.72
rs2012071	0.34	0.32	0.29	0.78	-0.29	0.35	0.40	0.94
rs2012714	0.16	0.32	0.61	0.90	0.30	0.35	0.39	0.94
rs2014408	0.08	0.41	0.85	0.98	-0.08	0.45	0.86	0.98
rs2014912	-0.33	0.40	0.41	0.82	0.93	0.43	3.06E-02	0.83
rs2024385	-0.24	0.37	0.50	0.88	0.06	0.39	0.87	0.98
rs2050663	0.08	0.32	0.80	0.97	0.35	0.35	0.32	0.94
rs2075665	0.09	0.32	0.78	0.97	-0.19	0.34	0.59	0.95
rs210314	-0.08	0.31	0.80	0.97	0.74	0.34	2.90E-02	0.83
rs2139629	0.54	0.44	0.22	0.75	-0.35	0.47	0.45	0.94
rs2162003	0.10	0.33	0.77	0.97	0.63	0.36	0.08	0.86
rs2165197	0.01	0.32	0.98	1.00	-0.45	0.34	0.19	0.94
rs2178452	0.22	0.32	0.50	0.88	-0.14	0.35	0.68	0.95
rs220249	0.14	0.32	0.66	0.92	-0.20	0.34	0.56	0.95
rs2270860	0.00	0.36	0.99	1.00	-0.36	0.39	0.36	0.94
rs2289125	0.31	0.38	0.41	0.82	-0.29	0.41	0.48	0.95
rs2290273	0.21	0.32	0.52	0.88	-0.46	0.35	0.20	0.94
rs2291435	0.02	0.33	0.96	1.00	0.14	0.35	0.70	0.95
rs2300481	-0.10	0.33	0.77	0.97	0.00	0.36	0.99	1.00
rs2306374	-0.21	0.43	0.62	0.90	0.68	0.46	0.14	0.91
rs231708	-0.20	0.34	0.54	0.88	-0.08	0.37	0.83	0.98
rs2354862	0.81	0.34	1.68E-02	0.34	-0.06	0.36	0.87	0.98
rs2360970	0.19	0.33	0.56	0.89	0.55	0.35	0.12	0.86
rs2379829	0.08	0.36	0.83	0.98	0.15	0.39	0.69	0.95
rs2404715	0.37	0.57	0.52	0.88	-0.27	0.62	0.66	0.95
rs2428939	0.32	0.34	0.34	0.79	0.00	0.36	1.00	1.00
rs2467099	0.60	0.41	0.14	0.66	0.59	0.44	0.18	0.94
rs246973	0.30	0.36	0.42	0.83	0.31	0.39	0.43	0.94
rs2480171	0.33	0.45	0.47	0.87	-0.42	0.49	0.40	0.94
rs2493134	0.09	0.32	0.79	0.97	0.13	0.35	0.71	0.95
rs2493292	0.39	0.40	0.34	0.78	-0.01	0.44	0.98	1.00
rs2494184	-0.02	0.31	0.96	1.00	-0.30	0.34	0.37	0.94
rs2504776	0.35	0.59	0.55	0.88	0.44	0.63	0.48	0.95
rs2530225	0.69	0.32	3.12E-02	0.38	-0.02	0.34	0.96	1.00
rs256904	-0.08	0.36	0.83	0.98	-0.17	0.39	0.67	0.95
rs2581468	0.08	0.42	0.85	0.98	0.52	0.45	0.24	0.94
rs2585810	0.46	0.33	0.17	0.71	0.30	0.36	0.40	0.94
rs2594992	0.10	0.32	0.75	0.97	0.24	0.35	0.48	0.95
rs260508	0.37	0.32	0.24	0.75	-0.04	0.34	0.90	0.99
rs2610990	-0.26	0.35	0.46	0.87	0.27	0.38	0.47	0.95
rs2613765	0.18	0.33	0.59	0.89	0.27	0.35	0.44	0.94
rs2618647	0.03	0.31	0.94	1.00	0.19	0.34	0.57	0.95
rs262986	0.19	0.32	0.55	0.88	0.21	0.35	0.55	0.95
rs267539	0.38	0.32	0.23	0.75	0.41	0.34	0.23	0.94
rs2681492	1.05	0.49	3.22E-02	0.38	-0.01	0.52	0.99	1.00
rs2688716	-0.38	0.44	0.38	0.82	-0.40	0.47	0.40	0.94
rs2729835	-0.05	0.34	0.88	0.98	-0.07	0.36	0.84	0.98
rs2745599	0.05	0.31	0.87	0.98	0.60	0.34	0.08	0.86
rs2760061	0.47	0.32	0.14	0.66	-0.45	0.34	0.19	0.94
rs2780841	-0.41	0.35	0.24	0.75	-0.02	0.38	0.96	1.00
rs2807337	0.06	0.32	0.85	0.98	-0.22	0.35	0.52	0.95
rs2820443	0.24	0.35	0.50	0.88	0.18	0.38	0.64	0.95
rs28377357	-0.10	0.34	0.78	0.97	0.34	0.36	0.35	0.94
rs2848657	0.28	0.72	0.70	0.95	0.37	0.77	0.63	0.95
rs28499085	0.14	0.35	0.68	0.92	0.21	0.37	0.58	0.95
rs28558491	-0.07	0.35	0.84	0.98	0.26	0.37	0.48	0.95
rs28558845	-0.53	0.56	0.34	0.79	0.43	0.61	0.48	0.95
rs28578714	-0.30	0.32	0.35	0.79	-0.10	0.35	0.78	0.96
rs28663144	1.16	1.19	0.33	0.78	-2.57	1.29	4.71E-02	0.86
rs28667801	0.36	0.35	0.31	0.78	0.22	0.38	0.57	0.95
rs2898290	0.19	0.32	0.55	0.88	0.10	0.34	0.78	0.96
rs2920899	-0.24	0.37	0.51	0.88	0.32	0.40	0.43	0.94
rs2932538	0.05	0.36	0.90	0.99	-0.34	0.39	0.39	0.94
rs296797	0.01	0.31	0.98	1.00	0.07	0.34	0.83	0.98
rs2969070	0.47	0.33	0.16	0.70	-0.31	0.36	0.39	0.94
rs2979470	0.33	0.31	0.29	0.78	-0.33	0.34	0.33	0.94
rs3011549	0.23	0.36	0.53	0.88	0.68	0.39	0.08	0.86

rs303343	-0.57	0.33	0.09	0.57	-0.19	0.36	0.59	0.95
rs3121685	0.03	0.32	0.92	1.00	0.05	0.35	0.89	0.98
rs3184504	0.55	0.31	0.08	0.55	0.20	0.34	0.56	0.95
rs3191402	0.00	0.41	1.00	1.00	-0.17	0.44	0.69	0.95
rs3218248	-0.33	1.12	0.77	0.97	0.55	1.20	0.65	0.95
rs33996239	0.29	0.81	0.72	0.96	0.29	0.86	0.73	0.95
rs34070447	-0.16	0.32	0.62	0.90	0.33	0.35	0.34	0.94
rs34072724	0.54	0.32	0.09	0.56	-0.33	0.34	0.33	0.94
rs34130368	0.21	0.58	0.71	0.95	-0.70	0.62	0.26	0.94
rs34163229	0.18	0.45	0.69	0.93	0.50	0.48	0.30	0.94
rs34294937	0.52	0.40	0.19	0.73	0.43	0.43	0.32	0.94
rs34413141	0.49	0.44	0.26	0.76	-0.11	0.47	0.82	0.97
rs34430710	0.46	0.34	0.18	0.71	-0.12	0.37	0.76	0.95
rs34457140	0.47	0.35	0.18	0.71	0.59	0.37	0.11	0.86
rs34570306	0.34	0.34	0.32	0.78	0.28	0.36	0.44	0.94
rs34591516	1.46	0.61	1.63E-02	0.34	1.18	0.65	0.07	0.86
rs347591	-0.28	0.33	0.40	0.82	-0.30	0.36	0.40	0.94
rs34783010	-0.45	0.39	0.26	0.76	0.41	0.42	0.33	0.94
rs34868542	0.21	0.33	0.52	0.88	0.15	0.36	0.68	0.95
rs34872471	0.25	0.38	0.51	0.88	-0.23	0.41	0.57	0.95
rs34877991	-0.32	0.32	0.32	0.78	-0.23	0.35	0.51	0.95
rs34887403	0.03	0.48	0.95	1.00	0.54	0.51	0.29	0.94
rs34941092	0.45	0.46	0.34	0.78	-0.02	0.50	0.96	1.00
rs34983854	0.06	0.32	0.85	0.98	0.57	0.34	0.10	0.86
rs35199222	0.09	0.32	0.78	0.97	-0.12	0.35	0.74	0.95
rs35410524	0.02	0.45	0.97	1.00	0.04	0.49	0.94	0.99
rs35444	0.34	0.32	0.29	0.78	0.23	0.34	0.51	0.95
rs35450617	-0.03	0.35	0.94	1.00	-0.46	0.37	0.22	0.94
rs35590893	0.92	0.35	8.32E-03	0.27	0.12	0.38	0.75	0.95
rs356833	0.45	0.35	0.19	0.74	0.52	0.37	0.17	0.94
rs357489	-0.02	0.37	0.96	1.00	-0.06	0.40	0.89	0.98
rs35895680	0.36	0.37	0.34	0.78	0.73	0.40	0.07	0.86
rs360153	0.44	0.32	0.17	0.71	0.13	0.35	0.71	0.95
rs3731818	0.00	0.34	1.00	1.00	0.24	0.37	0.52	0.95
rs3733215	0.32	0.32	0.32	0.78	0.30	0.34	0.38	0.94
rs3735533	0.47	0.52	0.36	0.80	0.87	0.56	0.12	0.86
rs3737801	0.32	0.74	0.67	0.92	0.44	0.79	0.57	0.95
rs3741378	0.19	0.43	0.66	0.92	0.03	0.46	0.96	1.00
rs3743157	-0.76	0.43	0.08	0.55	-0.08	0.47	0.86	0.98
rs3772219	-0.29	0.34	0.40	0.82	-0.12	0.37	0.75	0.95
rs3802517	0.47	0.32	0.14	0.66	0.00	0.34	0.99	1.00
rs381815	0.43	0.34	0.20	0.74	0.88	0.37	1.62E-02	0.72
rs3820068	0.28	0.43	0.51	0.88	-0.31	0.46	0.50	0.95
rs4110517	0.61	0.39	0.12	0.66	-0.18	0.42	0.67	0.95
rs4129585	0.38	0.34	0.26	0.76	0.35	0.37	0.34	0.94
rs4141663	-0.15	0.32	0.65	0.92	0.19	0.35	0.59	0.95
rs4143175	0.00	0.37	0.99	1.00	0.49	0.39	0.22	0.94
rs419076	1.29	0.31	4.09E-05	1.06E-02	0.12	0.34	0.72	0.95
rs42398	-0.04	0.40	0.93	1.00	0.06	0.44	0.89	0.98
rs4247374	1.04	0.70	0.14	0.66	-0.69	0.76	0.36	0.94
rs4274337	0.44	0.44	0.31	0.78	0.28	0.48	0.56	0.95
rs4292285	0.89	0.32	5.14E-03	0.26	0.13	0.34	0.71	0.95
rs4295	0.49	0.34	0.15	0.68	0.10	0.37	0.79	0.96
rs4373814	-0.04	0.32	0.91	1.00	0.11	0.34	0.76	0.95
rs4387287	0.53	0.52	0.31	0.78	0.61	0.56	0.28	0.94
rs4424827	-0.20	0.32	0.54	0.88	-0.19	0.34	0.57	0.95
rs4475250	-0.05	0.32	0.87	0.98	-0.03	0.34	0.93	0.99
rs4507656	-0.08	0.48	0.86	0.98	-0.24	0.52	0.64	0.95
rs4523973	-0.41	0.32	0.21	0.75	-0.77	0.35	2.73E-02	0.83
rs45474499	0.70	0.67	0.30	0.78	1.06	0.74	0.15	0.91
rs4551692	0.26	0.66	0.70	0.94	0.06	0.72	0.93	0.99
rs4553000	0.81	0.31	9.74E-03	0.30	-0.29	0.34	0.40	0.94
rs4572866	0.73	0.41	0.08	0.55	-0.15	0.44	0.74	0.95
rs4590817	-0.05	0.49	0.93	1.00	0.45	0.53	0.40	0.94
rs4598218	-0.14	0.34	0.68	0.92	0.44	0.37	0.23	0.94
rs4651224	0.55	0.33	0.09	0.58	0.37	0.36	0.30	0.94
rs4691707	0.75	0.33	2.29E-02	0.36	0.23	0.36	0.52	0.95

rs4712656	0.31	0.31	0.33	0.78	0.02	0.34	0.95	1.00
rs4728142	0.24	0.32	0.45	0.87	-0.39	0.34	0.25	0.94
rs4782211	-0.58	0.48	0.23	0.75	0.28	0.52	0.58	0.95
rs4788913	0.41	0.34	0.23	0.75	0.48	0.37	0.20	0.94
rs4823006	0.13	0.31	0.68	0.92	-0.02	0.34	0.96	1.00
rs4858758	0.61	0.32	0.05	0.48	0.20	0.34	0.57	0.95
rs4875958	0.31	0.34	0.36	0.80	-0.14	0.37	0.70	0.95
rs4919883	0.00	0.44	0.99	1.00	-0.15	0.48	0.75	0.95
rs4922591	-0.11	0.34	0.75	0.97	0.13	0.36	0.72	0.95
rs4926499	-0.43	0.65	0.50	0.88	0.14	0.70	0.84	0.98
rs4957026	0.41	0.35	0.24	0.75	0.00	0.38	1.00	1.00
rs4980470	-0.70	0.34	3.66E-02	0.40	-0.25	0.36	0.50	0.95
rs4980515	0.04	0.32	0.89	0.99	0.15	0.35	0.68	0.95
rs504217	0.24	0.67	0.73	0.96	-0.37	0.74	0.61	0.95
rs5219	0.16	0.31	0.62	0.90	0.58	0.34	0.09	0.86
rs544625	-0.20	0.33	0.55	0.88	0.30	0.35	0.39	0.94
rs55701159	0.70	0.52	0.18	0.71	0.30	0.55	0.58	0.95
rs55732192	0.25	0.62	0.69	0.93	-0.18	0.67	0.79	0.96
rs55780018	-0.04	0.31	0.91	1.00	0.44	0.34	0.19	0.94
rs55940751	-0.16	0.31	0.61	0.90	-0.58	0.33	0.08	0.86
rs56123029	0.63	0.40	0.12	0.66	0.01	0.44	0.98	1.00
rs56249585	0.02	0.31	0.96	1.00	0.08	0.34	0.80	0.97
rs56322953	-0.51	0.37	0.17	0.71	0.15	0.40	0.71	0.95
rs56352451	-0.37	0.50	0.46	0.87	0.07	0.54	0.89	0.98
rs56844452	0.62	0.74	0.40	0.82	0.13	0.80	0.87	0.98
rs5750482	0.09	0.31	0.77	0.97	0.29	0.34	0.40	0.94
rs57786342	-0.18	0.42	0.66	0.92	0.23	0.46	0.61	0.95
rs57874285	-0.37	0.32	0.26	0.76	-0.22	0.35	0.52	0.95
rs57927100	0.38	0.39	0.32	0.78	-0.01	0.41	0.98	1.00
rs5794844	-0.05	0.32	0.87	0.98	0.57	0.34	0.10	0.86
rs590198	0.21	0.32	0.51	0.88	0.12	0.34	0.73	0.95
rs592373	0.58	0.32	0.07	0.55	0.55	0.35	0.11	0.86
rs598682	0.21	0.36	0.56	0.89	0.31	0.38	0.42	0.94
rs599550	-0.66	0.46	0.16	0.70	-0.37	0.50	0.45	0.94
rs60191654	0.18	0.44	0.68	0.92	0.04	0.47	0.94	0.99
rs60199046	0.40	0.34	0.24	0.75	-0.13	0.37	0.72	0.95
rs6021247	0.39	0.31	0.21	0.75	0.03	0.34	0.92	0.99
rs6026748	2.26	0.53	1.92E-05	1.06E-02	1.12	0.59	0.06	0.86
rs6031435	-0.22	0.32	0.49	0.88	0.03	0.35	0.94	0.99
rs6054200	0.57	0.32	0.08	0.55	0.17	0.35	0.62	0.95
rs6090040	-0.36	0.33	0.27	0.78	0.03	0.35	0.93	0.99
rs6092743	1.56	0.48	1.07E-03	0.10	0.91	0.53	0.08	0.86
rs61040371	0.65	0.32	4.23E-02	0.41	-0.06	0.35	0.87	0.98
rs6108168	0.19	0.36	0.60	0.89	0.33	0.38	0.39	0.94
rs6129880	0.23	0.39	0.56	0.89	0.00	0.42	0.99	1.00
rs61448762	-0.43	0.52	0.40	0.82	0.61	0.56	0.27	0.94
rs61760904	0.62	1.24	0.61	0.90	-2.49	1.37	0.07	0.86
rs61912333	0.85	0.32	7.36E-03	0.27	0.29	0.35	0.39	0.94
rs62020769	0.38	0.33	0.25	0.75	0.88	0.36	1.45E-02	0.72
rs62076103	1.71	0.72	1.86E-02	0.34	-0.87	0.80	0.28	0.94
rs62158170	0.64	0.42	0.13	0.66	0.48	0.46	0.30	0.94
rs62169544	0.00	0.32	0.99	1.00	0.61	0.35	0.08	0.86
rs62229372	0.32	0.59	0.59	0.89	0.67	0.63	0.29	0.94
rs62250714	0.09	0.34	0.79	0.97	1.27	0.37	4.92E-04	0.14
rs6227	1.02	0.33	1.75E-03	0.11	0.47	0.35	0.19	0.94
rs62385385	0.02	0.33	0.94	1.00	-0.68	0.35	0.06	0.86
rs62491354	-0.93	0.44	3.50E-02	0.40	-0.36	0.47	0.44	0.94
rs62524579	0.42	0.33	0.20	0.74	-0.21	0.35	0.55	0.95
rs6271	0.96	0.98	0.33	0.78	0.94	1.07	0.38	0.94
rs633185	0.72	0.34	3.48E-02	0.40	-0.14	0.37	0.71	0.95
rs63418562	-0.36	0.35	0.29	0.78	0.90	0.37	1.61E-02	0.72
rs6434404	0.32	0.37	0.39	0.82	0.79	0.40	4.57E-02	0.86
rs6438253	0.40	0.33	0.22	0.75	-0.35	0.35	0.33	0.94
rs6442101	0.19	0.36	0.60	0.89	0.01	0.38	0.98	1.00
rs6487543	-0.42	0.36	0.25	0.75	0.56	0.39	0.15	0.91
rs6540125	0.19	0.34	0.59	0.89	-0.69	0.37	0.06	0.86
rs6545155	0.08	0.44	0.85	0.98	-0.24	0.47	0.60	0.95

rs6557876	0.69	0.35	0.05	0.43	0.15	0.37	0.68	0.95
rs6565174	0.11	0.65	0.86	0.98	0.03	0.70	0.97	1.00
rs6593297	-0.33	0.36	0.36	0.80	-0.08	0.38	0.85	0.98
rs6595838	-0.04	0.35	0.91	1.00	0.52	0.38	0.17	0.94
rs661348	-0.15	0.34	0.67	0.92	0.67	0.36	0.07	0.86
rs66723505	0.72	0.35	3.73E-02	0.40	0.15	0.37	0.69	0.95
rs66887589	0.56	0.31	0.07	0.55	0.21	0.34	0.54	0.95
rs6689862	0.28	0.61	0.65	0.92	-0.59	0.67	0.37	0.94
rs66978877	-0.32	0.37	0.38	0.82	0.01	0.39	0.97	1.00
rs6712094	-0.39	0.35	0.26	0.76	-0.24	0.38	0.53	0.95
rs6723509	0.85	0.47	0.07	0.55	-0.22	0.51	0.67	0.95
rs6731373	-0.44	0.38	0.26	0.76	0.30	0.41	0.47	0.95
rs67330701	-0.02	0.52	0.97	1.00	-0.82	0.57	0.15	0.91
rs67720684	-0.11	0.42	0.80	0.97	0.27	0.45	0.55	0.95
rs6777317	-0.37	0.39	0.35	0.79	-0.15	0.42	0.72	0.95
rs6788984	0.20	0.47	0.66	0.92	0.24	0.50	0.63	0.95
rs67976715	0.12	0.39	0.77	0.97	-0.49	0.43	0.25	0.94
rs6803322	-0.19	0.36	0.60	0.89	0.52	0.38	0.17	0.94
rs6823199	0.50	0.37	0.18	0.73	0.28	0.40	0.49	0.95
rs6823767	0.26	0.35	0.46	0.87	0.95	0.37	1.12E-02	0.72
rs685149	-0.13	0.35	0.72	0.95	-0.02	0.38	0.95	1.00
rs6914824	0.46	0.47	0.33	0.78	0.19	0.51	0.70	0.95
rs6919440	-0.12	0.33	0.71	0.95	-0.38	0.36	0.29	0.94
rs693367	0.20	0.35	0.57	0.89	-0.11	0.38	0.77	0.96
rs6954	-0.02	0.32	0.94	1.00	-0.22	0.34	0.51	0.95
rs6957161	0.63	0.36	0.08	0.55	0.55	0.39	0.15	0.92
rs6963105	-0.27	0.38	0.47	0.87	0.31	0.41	0.45	0.94
rs6996733	0.35	0.47	0.46	0.87	-0.32	0.51	0.53	0.95
rs7012636	0.44	0.31	0.16	0.70	0.16	0.34	0.64	0.95
rs7041664	-0.38	0.36	0.29	0.78	0.81	0.39	3.81E-02	0.83
rs704191	0.05	0.33	0.89	0.99	-0.64	0.35	0.07	0.86
rs7042283	-1.11	0.51	3.12E-02	0.38	-0.22	0.55	0.69	0.95
rs7045409	-0.29	0.35	0.41	0.82	0.43	0.37	0.25	0.94
rs7070797	0.40	0.59	0.50	0.88	0.52	0.64	0.41	0.94
rs7096563	-0.20	0.33	0.55	0.88	0.15	0.36	0.67	0.95
rs709668	-0.12	0.39	0.76	0.97	0.11	0.42	0.79	0.96
rs7096715	0.85	0.31	6.53E-03	0.27	0.08	0.34	0.82	0.97
rs7103648	-0.59	0.33	0.08	0.55	0.33	0.36	0.36	0.94
rs7107356	-0.01	0.31	0.97	1.00	-0.07	0.34	0.84	0.98
rs711737	-0.19	0.32	0.55	0.88	0.36	0.35	0.30	0.94
rs7129220	0.83	0.51	0.10	0.63	0.12	0.56	0.83	0.98
rs7161323	0.70	0.34	3.84E-02	0.40	0.12	0.37	0.74	0.95
rs7187540	0.43	0.36	0.24	0.75	0.41	0.39	0.30	0.94
rs7213273	0.81	0.32	1.16E-02	0.32	-0.14	0.34	0.69	0.95
rs7221807	0.38	0.31	0.23	0.75	0.56	0.34	0.10	0.86
rs7225219	-0.06	0.33	0.86	0.98	-0.21	0.36	0.56	0.95
rs7236548	0.31	0.39	0.44	0.85	-0.01	0.42	0.97	1.00
rs7256564	-0.26	0.33	0.42	0.83	-0.11	0.36	0.77	0.96
rs7266274	0.43	0.37	0.25	0.76	0.48	0.40	0.23	0.94
rs72677850	-2.65	1.15	2.08E-02	0.35	0.32	1.24	0.80	0.97
rs72688070	1.17	0.48	1.41E-02	0.32	0.05	0.51	0.93	0.99
rs72765298	0.36	0.56	0.52	0.88	0.70	0.60	0.25	0.94
rs72816333	0.35	0.42	0.41	0.82	0.45	0.45	0.33	0.94
rs72834453	-0.32	0.53	0.54	0.88	0.56	0.57	0.33	0.94
rs72844590	-0.18	0.43	0.67	0.92	0.27	0.47	0.57	0.95
rs72910063	-0.59	0.69	0.39	0.82	0.30	0.75	0.69	0.95
rs72931748	0.56	0.53	0.29	0.78	0.72	0.56	0.20	0.94
rs73033340	1.88	1.25	0.13	0.66	-1.61	1.32	0.22	0.94
rs73046792	-0.41	0.56	0.46	0.87	-0.12	0.60	0.85	0.98
rs73082337	-0.07	0.54	0.90	0.99	0.58	0.58	0.32	0.94
rs73099903	0.48	0.68	0.48	0.88	0.42	0.74	0.57	0.95
rs73158427	-0.25	0.40	0.53	0.88	-0.21	0.43	0.63	0.95
rs731749	-0.01	0.85	0.99	1.00	-0.68	0.91	0.46	0.95
rs73181210	-0.73	1.31	0.58	0.89	1.55	1.44	0.28	0.94
rs73187288	0.66	0.51	0.20	0.74	-0.43	0.56	0.44	0.94
rs736107	0.10	0.33	0.76	0.97	0.10	0.36	0.78	0.96
rs73744859	1.43	0.94	0.13	0.66	-1.69	1.05	0.11	0.86

rs7406910	0.60	0.51	0.24	0.75	0.63	0.55	0.25	0.94
rs7412	0.92	0.60	0.12	0.66	1.15	0.64	0.08	0.86
rs74181299	0.01	0.32	0.96	1.00	-0.09	0.34	0.80	0.97
rs7439567	0.19	0.32	0.56	0.89	0.48	0.35	0.17	0.94
rs74774746	0.30	0.36	0.41	0.82	0.17	0.39	0.67	0.95
rs750416	0.38	0.32	0.24	0.75	0.06	0.35	0.87	0.98
rs7514579	0.11	0.39	0.78	0.97	-0.52	0.42	0.22	0.94
rs7515635	0.09	0.32	0.78	0.97	-0.29	0.34	0.39	0.94
rs751984	1.38	0.44	1.53E-03	0.11	0.60	0.47	0.20	0.94
rs75305034	0.87	0.33	8.28E-03	0.27	0.15	0.35	0.67	0.95
rs75460349	1.51	0.76	4.65E-02	0.43	0.98	0.82	0.23	0.94
rs7547570	0.39	0.33	0.24	0.75	-0.03	0.36	0.93	0.99
rs7555285	0.56	0.38	0.14	0.66	0.14	0.41	0.74	0.95
rs7562	0.48	0.32	0.14	0.66	-0.07	0.35	0.83	0.98
rs757081	0.49	0.32	0.13	0.66	0.43	0.35	0.21	0.94
rs7581849	0.10	0.34	0.76	0.97	0.21	0.36	0.56	0.95
rs7590201	-0.28	0.31	0.38	0.82	0.27	0.34	0.42	0.94
rs7592578	0.28	0.46	0.55	0.88	0.54	0.49	0.27	0.94
rs7606205	0.24	0.35	0.50	0.88	0.55	0.38	0.14	0.91
rs7624086	0.04	0.32	0.90	0.99	0.02	0.35	0.96	1.00
rs76326501	0.56	0.58	0.33	0.78	0.24	0.61	0.70	0.95
rs7665304	0.02	0.32	0.96	1.00	0.06	0.35	0.87	0.98
rs76719272	-0.28	0.50	0.58	0.89	0.17	0.54	0.75	0.95
rs7672622	0.07	0.38	0.86	0.98	-0.11	0.42	0.79	0.96
rs76735299	0.29	0.54	0.59	0.89	1.23	0.58	3.52E-02	0.83
rs7710854	0.87	0.59	0.14	0.66	0.52	0.64	0.41	0.94
rs7763294	0.38	0.38	0.32	0.78	0.42	0.41	0.31	0.94
rs7765526	0.74	0.32	1.89E-02	0.34	0.28	0.34	0.41	0.94
rs78151625	-0.19	0.44	0.66	0.92	0.98	0.47	3.79E-02	0.83
rs783621	0.42	0.32	0.19	0.73	-0.40	0.34	0.24	0.94
rs7837090	-0.17	0.40	0.66	0.92	-0.48	0.43	0.26	0.94
rs78474310	-1.55	0.87	0.08	0.55	-0.42	0.95	0.66	0.95
rs7861040	0.00	0.33	1.00	1.00	-0.81	0.36	2.47E-02	0.83
rs78648104	-0.53	0.51	0.30	0.78	0.57	0.55	0.30	0.94
rs7927515	-0.33	0.33	0.33	0.78	0.19	0.36	0.59	0.95
rs7951348	0.49	0.32	0.12	0.66	-0.44	0.34	0.19	0.94
rs79523138	-0.49	0.56	0.38	0.82	-0.10	0.61	0.87	0.98
rs7963801	0.65	0.36	0.07	0.55	0.48	0.39	0.23	0.94
rs7964067	-0.26	0.42	0.54	0.88	0.30	0.45	0.51	0.95
rs7976167	-0.09	0.34	0.80	0.97	0.20	0.37	0.58	0.95
rs79771286	0.77	0.46	0.09	0.58	0.27	0.50	0.59	0.95
rs7977389	0.33	0.47	0.49	0.88	1.88	0.50	1.90E-04	0.11
rs7988232	-0.04	0.32	0.90	0.99	0.14	0.35	0.69	0.95
rs80073370	-1.27	0.66	0.05	0.48	-0.01	0.72	0.99	1.00
rs8014182	-0.14	0.46	0.76	0.97	-0.02	0.49	0.97	1.00
rs8016306	0.60	0.40	0.13	0.66	0.92	0.43	3.42E-02	0.83
rs805303	0.38	0.32	0.24	0.75	-0.30	0.35	0.39	0.94
rs8069739	0.41	0.35	0.25	0.75	0.42	0.38	0.26	0.94
rs8073626	-0.01	0.31	0.97	1.00	-0.35	0.34	0.30	0.94
rs8104559	-0.36	0.40	0.37	0.81	0.69	0.43	0.11	0.86
rs8105753	0.01	0.38	0.98	1.00	-0.07	0.41	0.86	0.98
rs821317	0.92	0.47	4.96E-02	0.45	-0.40	0.51	0.43	0.94
rs839755	0.09	0.32	0.79	0.97	-0.59	0.34	0.09	0.86
rs848309	0.55	0.32	0.08	0.55	0.40	0.34	0.24	0.94
rs880315	0.55	0.32	0.08	0.56	0.84	0.34	1.48E-02	0.72
rs8904	0.31	0.31	0.33	0.78	0.40	0.34	0.24	0.94
rs893929	0.09	0.32	0.78	0.97	0.35	0.35	0.31	0.94
rs894344	0.36	0.31	0.25	0.75	0.48	0.33	0.15	0.92
rs896693	-0.38	0.32	0.24	0.75	-0.11	0.35	0.76	0.95
rs912434	0.36	0.35	0.31	0.78	-0.65	0.38	0.09	0.86
rs9314907	-0.30	0.38	0.43	0.84	0.13	0.41	0.75	0.95
rs932764	0.49	0.31	0.12	0.66	0.11	0.33	0.75	0.95
rs9349379	0.25	0.31	0.42	0.83	0.37	0.33	0.27	0.94
rs9356632	1.12	0.50	2.40E-02	0.36	0.24	0.53	0.65	0.95
rs936226	0.38	0.37	0.30	0.78	-0.40	0.40	0.31	0.94
rs9368222	0.30	0.37	0.42	0.83	0.29	0.40	0.46	0.95
rs937213	0.81	0.33	1.44E-02	0.32	-0.78	0.36	2.91E-02	0.83

rs9401090	-0.11	0.37	0.77	0.97	0.41	0.39	0.29	0.94
rs9431431	0.25	0.35	0.47	0.87	0.05	0.37	0.90	0.99
rs9486916	0.05	0.39	0.91	1.00	-1.03	0.43	1.69E-02	0.72
rs9506725	0.48	0.32	0.13	0.66	-0.32	0.34	0.36	0.94
rs9526707	-0.32	0.33	0.33	0.78	-0.48	0.36	0.18	0.94
rs9532959	1.20	0.69	0.08	0.55	-0.84	0.75	0.26	0.94
rs954767	0.26	0.36	0.47	0.87	-0.19	0.39	0.63	0.95
rs9549328	0.23	0.40	0.56	0.89	0.70	0.43	0.10	0.86
rs9565436	-0.26	0.45	0.56	0.89	-0.01	0.49	0.98	1.00
rs9608690	1.73	0.64	6.75E-03	0.27	0.25	0.68	0.71	0.95
rs9638084	-0.08	0.32	0.80	0.97	0.31	0.35	0.37	0.94
rs9650650	0.22	0.33	0.50	0.88	-0.68	0.35	0.05	0.86
rs9678851	-0.32	0.31	0.31	0.78	-0.88	0.33	8.44E-03	0.72
rs9818220	-0.20	0.39	0.61	0.90	0.19	0.42	0.65	0.95
rs9844972	0.78	0.93	0.40	0.82	-0.67	1.01	0.51	0.95
rs9849301	-0.30	0.44	0.49	0.88	0.72	0.48	0.13	0.90
rs9857362	0.45	0.32	0.16	0.70	0.21	0.35	0.55	0.95
rs9859176	0.72	0.33	2.64E-02	0.37	-0.13	0.35	0.72	0.95
rs9875380	-0.43	0.32	0.17	0.71	-0.56	0.35	0.11	0.86
rs9885632	0.48	0.37	0.19	0.73	0.25	0.40	0.53	0.95
rs9904409	0.63	0.68	0.35	0.80	1.01	0.74	0.17	0.94
rs9932220	0.62	0.38	0.10	0.62	-0.05	0.41	0.90	0.99
rs9935770	-0.21	0.32	0.50	0.88	-0.11	0.34	0.75	0.95

Associations reaching a p-value <0.05 are highlighted in bold

S5. Cross-sectional and longitudinal associations of the DBP-associated loci

Genetic variant	Cross-sectional (N= 4,354)				Longitudinal (N= 3,626)			
	Beta (per allele)	SE	P	P _{FDR}	Beta (per allele)	SE	P	P _{FDR}
rs1004467	0.16	0.34	0.63	0.95	0.02	0.34	0.95	0.99
rs10062049	0.30	0.27	0.28	0.79	0.03	0.27	0.92	0.99
rs10069690	-0.38	0.23	0.10	0.64	-0.07	0.23	0.76	0.98
rs10078021	-0.05	0.22	0.84	0.98	-0.04	0.22	0.86	0.99
rs10087782	0.33	0.20	0.10	0.64	0.05	0.20	0.79	0.99
rs10103353	-0.18	0.21	0.38	0.84	-0.11	0.21	0.58	0.97
rs1015538	0.25	0.22	0.26	0.79	0.30	0.22	0.18	0.84
rs10164193	-0.19	0.42	0.65	0.95	0.63	0.42	0.13	0.80
rs10184004	-0.25	0.21	0.23	0.76	-0.01	0.21	0.94	0.99
rs10184839	-0.03	0.23	0.89	0.98	0.48	0.23	3.72E-02	0.61
rs10193543	0.11	0.29	0.69	0.97	0.30	0.29	0.30	0.91
rs10198275	0.26	0.21	0.20	0.71	0.12	0.21	0.58	0.97
rs10233127	-0.10	0.38	0.80	0.98	0.12	0.37	0.74	0.98
rs10270950	-0.41	0.21	0.05	0.53	0.13	0.21	0.52	0.97
rs10427021	-0.28	0.43	0.52	0.90	0.05	0.43	0.91	0.99
rs10437954	0.16	0.42	0.70	0.97	-0.09	0.42	0.84	0.99
rs10460108	0.07	0.21	0.74	0.97	-0.04	0.21	0.86	0.99
rs10468291	0.13	0.21	0.52	0.90	-0.10	0.21	0.61	0.97
rs1047030	-0.06	0.26	0.81	0.98	0.18	0.25	0.47	0.97
rs1047891	0.01	0.24	0.95	0.98	-0.05	0.23	0.82	0.99
rs1053711	0.04	0.22	0.87	0.98	-0.17	0.22	0.45	0.97
rs1060105	0.15	0.25	0.56	0.93	-0.48	0.25	0.06	0.70
rs1063281	0.07	0.21	0.73	0.97	0.18	0.21	0.39	0.96
rs10747570	0.48	0.22	3.02E-02	0.47	-0.05	0.22	0.83	0.99
rs10751962	-0.04	0.50	0.94	0.98	-0.22	0.50	0.65	0.98
rs10761530	0.26	0.20	0.21	0.71	0.00	0.20	1.00	1.00
rs10850411	0.43	0.21	4.36E-02	0.50	0.20	0.21	0.34	0.91
rs10858966	0.05	0.23	0.83	0.98	-0.02	0.22	0.94	0.99
rs10864859	-0.31	0.41	0.45	0.88	0.84	0.41	4.17E-02	0.63
rs10906391	0.04	0.22	0.85	0.98	0.00	0.21	0.99	1.00
rs10916082	0.01	0.24	0.97	0.99	0.24	0.24	0.30	0.91
rs10922502	0.04	0.22	0.86	0.98	-0.36	0.22	0.10	0.73
rs1098708	0.02	0.20	0.93	0.98	-0.07	0.20	0.73	0.98
rs10995311	0.31	0.21	0.13	0.67	0.00	0.20	0.99	1.00
rs11021221	-0.27	0.27	0.31	0.80	-0.09	0.27	0.75	0.98
rs11026586	0.08	0.36	0.83	0.98	0.05	0.36	0.88	0.99
rs110419	0.29	0.20	0.16	0.68	0.38	0.20	0.06	0.70
rs11080134	0.37	0.22	0.09	0.63	0.17	0.22	0.44	0.97
rs11102916	0.45	0.62	0.47	0.89	-0.61	0.63	0.33	0.91
rs11108209	-0.34	0.38	0.37	0.84	-0.44	0.38	0.24	0.84
rs11112548	-0.54	0.61	0.38	0.84	-0.63	0.62	0.31	0.91
rs11128722	0.52	0.23	2.42E-02	0.47	0.08	0.23	0.71	0.98
rs111304266	-0.25	0.65	0.70	0.97	1.85	0.64	3.72E-03	0.60
rs11141731	0.29	0.25	0.25	0.79	0.17	0.25	0.49	0.97
rs11145807	0.48	0.21	2.44E-02	0.47	-0.07	0.21	0.73	0.98
rs111630016	0.05	0.45	0.92	0.98	0.19	0.45	0.68	0.98
rs11168244	-0.10	0.26	0.72	0.97	0.56	0.26	3.29E-02	0.61
rs111777102	0.57	0.50	0.26	0.79	0.08	0.50	0.87	0.99
rs112204826	0.66	0.65	0.30	0.80	-0.21	0.64	0.75	0.98
rs1126464	0.34	0.23	0.14	0.68	0.47	0.23	3.95E-02	0.61
rs112925537	0.04	0.25	0.87	0.98	-0.01	0.25	0.98	1.00
rs113134141	0.04	0.44	0.93	0.98	0.45	0.43	0.30	0.91
rs113161639	-0.15	0.44	0.73	0.97	0.65	0.43	0.13	0.82
rs114503346	-0.29	0.56	0.61	0.94	0.39	0.57	0.50	0.97
rs11486794	-0.18	0.31	0.57	0.93	0.44	0.31	0.16	0.83
rs1152958	-0.07	0.23	0.75	0.98	-0.12	0.23	0.61	0.97
rs1154214	0.12	0.21	0.55	0.92	-0.11	0.21	0.58	0.97
rs11556924	0.37	0.20	0.07	0.55	0.09	0.20	0.67	0.98
rs1159201	-0.24	0.24	0.32	0.80	-0.18	0.24	0.45	0.97
rs11592107	-0.16	0.24	0.51	0.90	0.18	0.24	0.45	0.97
rs11623535	0.09	0.24	0.69	0.97	0.22	0.23	0.35	0.91
rs11628933	0.46	0.26	0.07	0.55	0.30	0.25	0.24	0.84

rs11631778	0.42	0.22	0.06	0.54	0.07	0.22	0.75	0.98
rs11634028	-0.59	0.36	0.10	0.64	-0.53	0.36	0.14	0.82
rs11665020	0.23	0.23	0.32	0.80	-0.26	0.23	0.25	0.86
rs11876341	0.47	0.24	4.89E-02	0.53	0.29	0.24	0.23	0.84
rs11923667	-0.09	0.21	0.68	0.97	-0.03	0.21	0.90	0.99
rs12052761	0.00	0.21	0.98	0.99	-0.23	0.21	0.28	0.89
rs12078697	0.09	0.27	0.74	0.97	0.30	0.27	0.26	0.86
rs12088448	0.74	0.23	1.14E-03	0.11	0.51	0.22	2.42E-02	0.61
rs12142296	0.26	0.31	0.39	0.85	0.63	0.30	3.71E-02	0.61
rs1215469	0.54	0.26	3.93E-02	0.49	0.15	0.26	0.57	0.97
rs12184466	0.63	0.37	0.09	0.63	0.43	0.37	0.24	0.84
rs12216886	0.06	0.26	0.83	0.98	0.02	0.26	0.92	0.99
rs12243859	-0.04	0.24	0.88	0.98	0.63	0.24	7.09E-03	0.60
rs12258967	0.04	0.25	0.87	0.98	0.47	0.25	0.06	0.70
rs12286721	0.28	0.21	0.17	0.68	0.20	0.21	0.33	0.91
rs1232482	-0.12	0.21	0.57	0.93	0.20	0.21	0.35	0.91
rs12405515	0.16	0.21	0.45	0.88	-0.12	0.21	0.55	0.97
rs12454712	-0.07	0.29	0.80	0.98	-0.28	0.29	0.34	0.91
rs12474050	-0.35	0.23	0.13	0.67	0.08	0.23	0.74	0.98
rs12515541	0.09	0.23	0.69	0.97	0.11	0.22	0.62	0.97
rs12572586	-0.23	0.51	0.66	0.96	0.33	0.50	0.51	0.97
rs12574332	0.40	0.34	0.23	0.76	0.17	0.33	0.61	0.97
rs12583615	0.38	0.27	0.16	0.68	0.17	0.27	0.52	0.97
rs12605156	0.26	0.25	0.29	0.80	-0.39	0.25	0.11	0.73
rs12627651	0.26	0.23	0.26	0.79	0.25	0.23	0.28	0.89
rs12630213	0.71	0.23	1.81E-03	0.12	0.07	0.23	0.76	0.98
rs1263671	0.04	0.29	0.88	0.98	-0.26	0.29	0.37	0.93
rs12656497	0.18	0.21	0.40	0.85	0.46	0.21	2.88E-02	0.61
rs1265842	0.01	0.21	0.95	0.98	0.05	0.21	0.81	0.99
rs1271309	0.61	0.28	3.18E-02	0.47	0.23	0.28	0.42	0.97
rs1275988	0.22	0.21	0.29	0.80	0.38	0.21	0.07	0.72
rs12787709	0.29	0.22	0.19	0.71	0.47	0.22	3.06E-02	0.61
rs12906962	0.02	0.22	0.94	0.98	0.05	0.21	0.83	0.99
rs12921187	0.03	0.21	0.88	0.98	-0.10	0.21	0.64	0.98
rs12928482	0.46	0.24	0.05	0.53	-0.23	0.23	0.32	0.91
rs12958173	0.23	0.22	0.29	0.80	-0.05	0.22	0.82	0.99
rs12983238	-0.08	0.26	0.74	0.97	0.41	0.26	0.11	0.73
rs12990959	0.04	0.21	0.87	0.98	-0.09	0.21	0.69	0.98
rs13001283	-0.02	0.27	0.94	0.98	0.31	0.27	0.26	0.86
rs13014371	0.12	0.21	0.57	0.93	-0.19	0.21	0.35	0.92
rs13042148	0.28	0.32	0.38	0.84	0.00	0.31	1.00	1.00
rs13082711	-0.11	0.23	0.64	0.95	0.09	0.23	0.70	0.98
rs13107325	1.51	0.61	1.31E-02	0.34	0.97	0.61	0.11	0.73
rs13112725	0.51	0.30	0.09	0.63	-0.26	0.29	0.37	0.93
rs13139571	0.56	0.26	3.37E-02	0.48	-0.07	0.26	0.79	0.99
rs13179413	0.15	0.28	0.60	0.93	-0.68	0.28	1.70E-02	0.60
rs13205180	-0.02	0.21	0.94	0.98	0.09	0.21	0.67	0.98
rs13238550	-0.13	0.21	0.52	0.90	-0.05	0.20	0.81	0.99
rs1327235	0.23	0.20	0.26	0.79	0.12	0.20	0.54	0.97
rs13306561	0.14	0.27	0.62	0.94	0.35	0.27	0.19	0.84
rs1332813	0.18	0.22	0.40	0.85	0.02	0.21	0.92	0.99
rs13403122	0.05	0.24	0.84	0.98	-0.06	0.24	0.82	0.99
rs13420463	0.09	0.24	0.69	0.97	0.16	0.24	0.49	0.97
rs1347345	0.26	0.21	0.23	0.76	0.06	0.21	0.76	0.98
rs1361831	0.35	0.21	0.10	0.64	0.21	0.21	0.31	0.91
rs1371182	-0.03	0.21	0.90	0.98	0.00	0.21	0.99	1.00
rs1378942	0.30	0.22	0.17	0.68	-0.14	0.22	0.53	0.97
rs13796	-0.10	0.37	0.79	0.98	0.15	0.37	0.69	0.98
rs139354822	0.32	0.44	0.47	0.89	0.60	0.44	0.17	0.84
rs139385870	0.17	0.22	0.44	0.88	-0.55	0.22	1.29E-02	0.60
rs142449193	0.42	0.57	0.47	0.89	-0.39	0.57	0.50	0.97
rs143112823	-0.37	0.50	0.46	0.89	0.84	0.50	0.09	0.73
rs1438896	0.07	0.22	0.76	0.98	0.25	0.21	0.24	0.84
rs1446468	-0.02	0.21	0.92	0.98	-0.01	0.21	0.98	1.00
rs1450271	0.01	0.21	0.95	0.98	0.18	0.21	0.40	0.96
rs1468520	0.00	0.26	0.99	0.99	0.25	0.25	0.32	0.91
rs150816167	0.33	0.63	0.60	0.93	-0.19	0.62	0.76	0.98

rs1530440	0.14	0.27	0.61	0.94	0.16	0.27	0.56	0.97
rs1544935	-0.35	0.23	0.14	0.67	-0.23	0.23	0.32	0.91
rs1551355	0.27	0.28	0.33	0.80	-0.10	0.27	0.73	0.98
rs1565716	0.28	0.42	0.52	0.90	0.05	0.42	0.90	0.99
rs1607644	-0.23	0.21	0.29	0.80	-0.34	0.21	0.10	0.73
rs1620668	0.31	0.24	0.20	0.71	0.44	0.24	0.06	0.72
rs1630266	-0.37	0.44	0.41	0.85	-0.04	0.44	0.93	0.99
rs167479	0.20	0.20	0.34	0.81	-0.25	0.20	0.22	0.84
rs16823124	-0.20	0.23	0.37	0.84	0.17	0.22	0.45	0.97
rs16851397	0.65	0.54	0.23	0.76	0.04	0.55	0.94	0.99
rs168643	0.08	0.22	0.73	0.97	0.12	0.22	0.59	0.97
rs169287	0.22	0.26	0.40	0.85	0.33	0.26	0.20	0.84
rs16948048	0.11	0.21	0.61	0.94	0.29	0.21	0.16	0.84
rs16998073	0.35	0.22	0.11	0.66	0.37	0.22	0.09	0.73
rs17035181	0.34	0.31	0.27	0.79	-0.09	0.31	0.77	0.98
rs17046596	0.30	0.22	0.17	0.69	0.08	0.22	0.71	0.98
rs1706003	0.63	0.24	7.09E-03	0.28	0.25	0.23	0.28	0.89
rs17080093	0.50	0.39	0.20	0.71	0.11	0.39	0.77	0.98
rs1718845	-0.49	0.23	3.10E-02	0.47	0.25	0.23	0.27	0.88
rs17210898	0.15	0.43	0.73	0.97	-0.24	0.43	0.58	0.97
rs17224476	1.05	0.42	1.24E-02	0.34	0.56	0.42	0.18	0.84
rs1722886	-0.02	0.21	0.93	0.98	-0.28	0.21	0.18	0.84
rs17248480	-0.60	1.20	0.62	0.94	0.59	1.19	0.62	0.97
rs17286052	0.07	0.35	0.85	0.98	0.11	0.35	0.74	0.98
rs17454517	0.14	0.21	0.50	0.90	-0.32	0.20	0.12	0.77
rs17617337	-0.08	0.24	0.74	0.97	-0.17	0.24	0.47	0.97
rs1761870	0.36	0.25	0.16	0.68	0.30	0.25	0.23	0.84
rs17638167	0.65	0.61	0.28	0.80	0.04	0.61	0.94	0.99
rs17880989	0.64	0.46	0.16	0.68	0.03	0.45	0.95	0.99
rs1799945	0.76	0.31	1.42E-02	0.34	-0.19	0.31	0.55	0.97
rs1801253	0.39	0.23	0.09	0.63	0.28	0.23	0.22	0.84
rs1813353	-0.11	0.23	0.64	0.95	0.58	0.23	1.32E-02	0.60
rs1821295	-0.05	0.23	0.84	0.98	-0.37	0.22	0.10	0.73
rs1848510	0.45	0.22	3.90E-02	0.49	0.00	0.22	1.00	1.00
rs185819	0.03	0.20	0.89	0.98	0.14	0.20	0.48	0.97
rs1861881	-0.22	0.22	0.33	0.81	-0.04	0.22	0.86	0.99
rs1869800	0.01	0.21	0.97	0.99	-0.25	0.21	0.23	0.84
rs1870735	-0.01	0.22	0.96	0.98	0.35	0.22	0.10	0.73
rs1876487	0.24	0.24	0.30	0.80	0.42	0.24	0.07	0.72
rs1878825	0.04	0.21	0.84	0.98	0.03	0.21	0.87	0.99
rs1891730	-0.14	0.22	0.53	0.90	0.16	0.21	0.45	0.97
rs190194639	-0.18	0.36	0.61	0.94	-0.27	0.35	0.44	0.97
rs191784289	0.92	0.59	0.12	0.67	0.97	0.59	0.10	0.73
rs1947228	-0.04	0.21	0.85	0.98	-0.51	0.21	1.44E-02	0.60
rs1975487	0.04	0.21	0.86	0.98	0.35	0.21	0.09	0.73
rs198823	0.30	0.22	0.16	0.68	-0.29	0.22	0.18	0.84
rs1996992	0.98	0.52	0.06	0.54	0.09	0.51	0.87	0.99
rs2004776	0.15	0.24	0.54	0.91	0.25	0.24	0.30	0.91
rs2009733	-0.11	0.21	0.59	0.93	0.02	0.21	0.93	0.99
rs2014408	0.14	0.27	0.60	0.93	0.01	0.27	0.97	1.00
rs2034618	0.00	0.25	0.99	1.00	0.10	0.25	0.69	0.98
rs2050663	0.03	0.21	0.87	0.98	0.36	0.21	0.08	0.73
rs2065152	-0.12	0.21	0.59	0.93	-0.55	0.21	1.05E-02	0.60
rs210156	-0.18	0.22	0.41	0.85	0.35	0.22	0.11	0.73
rs2142141	-0.04	0.21	0.85	0.98	-0.02	0.21	0.93	0.99
rs2162003	0.01	0.22	0.96	0.98	0.52	0.22	1.76E-02	0.60
rs2166122	0.54	0.29	0.07	0.55	0.12	0.29	0.69	0.98
rs2171690	-0.04	0.21	0.87	0.98	0.02	0.21	0.91	0.99
rs2187668	0.15	0.33	0.66	0.96	0.53	0.32	0.10	0.73
rs2188962	0.36	0.21	0.08	0.62	-0.10	0.21	0.63	0.97
rs2222544	0.05	0.24	0.84	0.98	0.05	0.24	0.83	0.99
rs223361	0.42	0.22	0.06	0.54	-0.28	0.22	0.21	0.84
rs2236973	0.63	0.29	2.66E-02	0.47	0.20	0.29	0.49	0.97
rs2240736	0.03	0.23	0.89	0.98	-0.05	0.23	0.84	0.99
rs2246438	-0.35	0.23	0.12	0.67	0.59	0.23	9.27E-03	0.60
rs2280861	0.51	0.25	4.17E-02	0.49	0.14	0.25	0.58	0.97
rs2291435	0.34	0.22	0.12	0.67	-0.26	0.21	0.23	0.84

rs2304130	-0.58	0.37	0.12	0.67	0.22	0.36	0.53	0.97
rs2306374	0.12	0.28	0.68	0.97	0.30	0.28	0.28	0.89
rs2354862	0.53	0.22	1.60E-02	0.35	-0.04	0.22	0.87	0.99
rs2379829	0.24	0.23	0.30	0.80	0.16	0.23	0.50	0.97
rs2384550	-0.09	0.21	0.65	0.96	0.01	0.21	0.94	0.99
rs2390258	0.18	0.24	0.45	0.88	0.46	0.24	0.05	0.68
rs2450128	-0.10	0.25	0.70	0.97	-0.10	0.25	0.68	0.98
rs2493134	0.19	0.21	0.37	0.84	0.30	0.21	0.16	0.83
rs2579519	-0.06	0.22	0.80	0.98	-0.12	0.22	0.59	0.97
rs2581468	0.24	0.27	0.38	0.84	0.15	0.27	0.58	0.97
rs2618647	0.32	0.20	0.12	0.67	-0.09	0.20	0.64	0.98
rs2629665	-0.15	0.21	0.47	0.89	0.14	0.21	0.50	0.97
rs2681492	0.48	0.32	0.14	0.67	0.22	0.31	0.49	0.97
rs2688716	-0.11	0.29	0.70	0.97	0.12	0.29	0.67	0.98
rs2707238	0.41	0.24	0.08	0.62	0.30	0.24	0.21	0.84
rs2760061	0.33	0.21	0.11	0.67	-0.28	0.21	0.17	0.84
rs28362590	-0.02	0.24	0.93	0.98	0.14	0.24	0.57	0.97
rs2848657	0.69	0.47	0.15	0.68	0.41	0.47	0.38	0.95
rs28667801	0.32	0.23	0.16	0.68	0.16	0.23	0.49	0.97
rs28675079	-0.27	0.25	0.29	0.80	0.24	0.25	0.34	0.91
rs2891546	0.60	0.40	0.13	0.67	-0.65	0.40	0.10	0.73
rs2922895	0.45	0.21	3.26E-02	0.47	0.30	0.21	0.15	0.82
rs2929184	0.47	0.25	0.06	0.54	-0.04	0.25	0.89	0.99
rs2932538	0.33	0.24	0.17	0.68	0.23	0.24	0.33	0.91
rs2969070	0.13	0.22	0.56	0.93	0.17	0.22	0.44	0.97
rs2972146	0.03	0.21	0.89	0.98	0.43	0.20	3.33E-02	0.61
rs2978098	-0.02	0.21	0.93	0.98	0.08	0.21	0.70	0.98
rs2979470	0.31	0.21	0.13	0.67	-0.37	0.21	0.07	0.72
rs3184504	0.55	0.21	7.37E-03	0.28	0.16	0.21	0.43	0.97
rs34070447	0.16	0.21	0.45	0.88	0.06	0.21	0.79	0.99
rs34072724	0.55	0.21	7.48E-03	0.28	-0.26	0.21	0.20	0.84
rs34161718	0.25	0.30	0.41	0.85	-0.13	0.30	0.66	0.98
rs34163044	0.32	0.22	0.15	0.68	-0.01	0.22	0.95	0.99
rs342989	0.43	0.25	0.09	0.63	0.07	0.25	0.79	0.99
rs34324971	0.11	0.33	0.75	0.97	-0.21	0.33	0.53	0.97
rs34331990	-0.15	0.22	0.48	0.89	0.06	0.22	0.79	0.99
rs34413141	0.56	0.29	0.05	0.53	-0.27	0.28	0.34	0.91
rs34430710	0.15	0.23	0.52	0.90	0.14	0.22	0.54	0.97
rs34517439	1.25	0.49	1.05E-02	0.34	0.81	0.48	0.09	0.73
rs34570306	0.05	0.22	0.83	0.98	-0.03	0.22	0.89	0.99
rs34594435	0.26	0.26	0.32	0.80	0.22	0.26	0.40	0.96
rs34941092	-0.19	0.31	0.54	0.91	0.49	0.30	0.11	0.73
rs35189230	0.23	0.25	0.37	0.84	-0.13	0.24	0.60	0.97
rs35199222	0.40	0.21	0.06	0.54	-0.04	0.21	0.86	0.99
rs35287509	0.35	0.23	0.13	0.67	0.03	0.23	0.89	0.99
rs35565381	-0.07	0.21	0.75	0.98	0.11	0.21	0.60	0.97
rs35654783	-0.07	0.24	0.76	0.98	0.52	0.24	2.84E-02	0.61
rs360153	0.28	0.21	0.19	0.71	-0.15	0.21	0.48	0.97
rs36022378	0.10	0.26	0.70	0.97	0.31	0.26	0.24	0.84
rs36061333	-0.11	0.28	0.68	0.97	-0.04	0.27	0.87	0.99
rs36226649	-0.18	0.42	0.67	0.97	-0.04	0.42	0.93	0.99
rs3735533	0.24	0.34	0.47	0.89	-0.01	0.34	0.98	1.00
rs3745318	-0.03	0.27	0.91	0.98	0.18	0.27	0.51	0.97
rs3749237	-0.03	0.22	0.89	0.98	0.13	0.21	0.54	0.97
rs3752728	0.22	0.25	0.37	0.84	0.36	0.25	0.14	0.82
rs3772219	-0.15	0.22	0.49	0.90	-0.23	0.22	0.31	0.91
rs3774372	-0.42	0.28	0.14	0.68	0.35	0.28	0.21	0.84
rs3774702	0.20	0.28	0.47	0.89	-0.22	0.28	0.42	0.97
rs3802517	0.25	0.21	0.23	0.76	-0.11	0.21	0.60	0.97
rs381815	0.10	0.22	0.64	0.95	0.48	0.22	3.22E-02	0.61
rs3861113	-0.27	0.40	0.50	0.90	-0.07	0.40	0.87	0.99
rs3898618	0.53	0.49	0.27	0.79	0.06	0.49	0.90	0.99
rs3918226	0.81	0.36	2.67E-02	0.47	-0.06	0.37	0.87	0.99
rs3923097	-0.09	0.41	0.83	0.98	-0.44	0.40	0.28	0.89
rs3934939	-0.08	0.22	0.71	0.97	-0.43	0.22	4.90E-02	0.68
rs40060	-0.17	0.21	0.42	0.86	-0.27	0.21	0.21	0.84
rs4129585	0.27	0.22	0.23	0.76	0.14	0.22	0.53	0.97

rs41475048	-0.26	0.31	0.40	0.85	-0.22	0.31	0.47	0.97
rs419076	0.69	0.21	7.62E-04	0.09	0.12	0.21	0.57	0.97
rs4245739	-0.07	0.25	0.77	0.98	0.01	0.25	0.96	0.99
rs4247374	0.13	0.46	0.78	0.98	0.27	0.46	0.56	0.97
rs4274337	0.02	0.29	0.95	0.98	0.52	0.29	0.07	0.72
rs4292285	0.51	0.21	1.59E-02	0.35	0.25	0.21	0.22	0.84
rs4295	0.05	0.22	0.83	0.98	0.41	0.22	0.06	0.72
rs4364717	0.32	0.21	0.12	0.67	0.09	0.21	0.67	0.98
rs4373814	0.11	0.21	0.59	0.93	0.00	0.21	1.00	1.00
rs4411245	-0.03	0.23	0.90	0.98	0.11	0.23	0.63	0.97
rs4420291	0.24	0.20	0.24	0.77	0.08	0.20	0.70	0.98
rs4424827	-0.23	0.21	0.28	0.79	-0.08	0.21	0.69	0.98
rs4475250	0.03	0.21	0.87	0.98	-0.04	0.21	0.86	0.99
rs4507125	0.36	0.25	0.15	0.68	0.01	0.24	0.96	0.99
rs4507656	0.34	0.31	0.27	0.79	-0.02	0.31	0.94	0.99
rs45474499	0.22	0.44	0.61	0.94	0.20	0.45	0.66	0.98
rs4551692	0.31	0.43	0.48	0.89	0.07	0.43	0.86	0.99
rs4590817	0.25	0.32	0.44	0.88	-0.15	0.32	0.63	0.97
rs460105	0.52	0.21	1.36E-02	0.34	0.55	0.21	7.72E-03	0.60
rs4634143	-0.12	0.22	0.58	0.93	-0.24	0.22	0.26	0.86
rs4651224	0.31	0.22	0.15	0.68	0.35	0.22	0.10	0.73
rs4653889	0.47	0.22	3.01E-02	0.47	-0.42	0.22	0.05	0.68
rs4686683	0.28	0.21	0.19	0.71	0.38	0.21	0.07	0.72
rs4709746	-0.10	0.39	0.79	0.98	-0.08	0.39	0.84	0.99
rs4712656	0.13	0.21	0.52	0.90	0.28	0.21	0.18	0.84
rs4782211	-0.21	0.32	0.51	0.90	-0.13	0.31	0.67	0.98
rs4800420	-0.12	0.24	0.62	0.94	-0.23	0.24	0.32	0.91
rs4808569	-0.30	0.28	0.29	0.80	0.00	0.28	1.00	1.00
rs4811601	-0.12	0.21	0.57	0.93	-0.04	0.21	0.86	0.99
rs4834735	0.01	0.30	0.97	0.99	0.25	0.30	0.42	0.97
rs4846049	0.20	0.21	0.35	0.82	0.35	0.21	0.10	0.73
rs4850047	-0.26	0.28	0.34	0.81	-0.21	0.27	0.43	0.97
rs4851462	0.23	0.21	0.28	0.79	0.18	0.21	0.40	0.96
rs4908678	0.07	0.22	0.74	0.97	0.01	0.22	0.98	1.00
rs4923910	0.30	0.21	0.15	0.68	-0.04	0.21	0.84	0.99
rs4926499	0.47	0.42	0.26	0.79	-0.41	0.42	0.34	0.91
rs4926923	0.15	0.48	0.76	0.98	0.19	0.48	0.69	0.98
rs4952611	0.12	0.23	0.59	0.93	0.22	0.23	0.34	0.91
rs4954192	0.33	0.22	0.14	0.67	-0.17	0.22	0.45	0.97
rs4972805	-0.06	0.22	0.79	0.98	0.05	0.22	0.81	0.99
rs4984497	-0.05	0.23	0.83	0.98	0.07	0.22	0.76	0.98
rs504217	0.20	0.44	0.66	0.96	0.22	0.45	0.62	0.97
rs504691	-0.20	0.21	0.34	0.81	0.12	0.21	0.56	0.97
rs507666	-0.36	0.27	0.18	0.71	0.11	0.27	0.69	0.98
rs55641580	0.28	0.30	0.35	0.82	0.03	0.30	0.91	0.99
rs55684003	0.08	0.23	0.72	0.97	-0.18	0.22	0.42	0.97
rs55701159	0.47	0.34	0.17	0.68	0.30	0.34	0.36	0.93
rs55747751	0.51	0.40	0.21	0.71	-0.33	0.40	0.41	0.97
rs55780018	0.15	0.21	0.46	0.89	0.28	0.20	0.16	0.84
rs55829085	0.30	0.50	0.55	0.92	0.95	0.49	0.05	0.68
rs55935819	0.14	0.22	0.53	0.90	-0.05	0.22	0.81	0.99
rs56233017	-0.16	0.68	0.81	0.98	0.32	0.67	0.63	0.98
rs56290975	-0.08	0.21	0.71	0.97	-0.03	0.21	0.89	0.99
rs567058829	0.14	0.22	0.52	0.90	0.09	0.21	0.66	0.98
rs57327054	0.05	0.22	0.81	0.98	-0.09	0.22	0.69	0.98
rs57786342	0.02	0.28	0.96	0.98	0.25	0.28	0.38	0.95
rs57927100	0.49	0.25	0.05	0.53	-0.36	0.25	0.15	0.82
rs58117425	-0.02	0.23	0.94	0.98	0.13	0.23	0.57	0.97
rs592373	0.15	0.21	0.47	0.89	0.51	0.21	1.70E-02	0.60
rs598682	-0.06	0.23	0.81	0.98	0.09	0.23	0.71	0.98
rs59986178	-0.12	0.30	0.69	0.97	-0.27	0.30	0.36	0.93
rs6021247	0.24	0.20	0.24	0.77	0.06	0.20	0.77	0.98
rs6026748	1.38	0.35	7.43E-05	1.79E-02	0.45	0.35	0.21	0.84
rs603424	-0.15	0.29	0.61	0.94	-0.36	0.28	0.21	0.84
rs6060114	-0.02	0.28	0.93	0.98	-0.15	0.28	0.58	0.97
rs6092743	0.97	0.31	2.03E-03	0.12	0.39	0.32	0.22	0.84
rs6095241	-0.22	0.22	0.31	0.80	0.23	0.22	0.28	0.89

rs6108168	0.28	0.23	0.23	0.76	0.10	0.23	0.67	0.98
rs6129880	0.08	0.26	0.76	0.98	0.11	0.26	0.68	0.98
rs61653296	0.44	0.26	0.09	0.63	-0.18	0.26	0.48	0.97
rs61879810	-0.29	0.29	0.32	0.80	-0.09	0.29	0.75	0.98
rs61892344	-0.19	0.31	0.54	0.91	0.10	0.31	0.74	0.98
rs61912333	0.28	0.21	0.17	0.69	0.29	0.21	0.16	0.84
rs62004794	-0.06	0.22	0.77	0.98	0.13	0.22	0.55	0.97
rs62012628	0.23	0.23	0.32	0.80	0.28	0.23	0.22	0.84
rs62104477	-0.24	0.23	0.29	0.80	0.00	0.23	0.99	1.00
rs62158170	0.43	0.28	0.12	0.67	0.64	0.28	2.10E-02	0.61
rs62169544	0.07	0.21	0.75	0.97	0.15	0.21	0.48	0.97
rs62229372	0.50	0.39	0.20	0.71	0.56	0.38	0.14	0.82
rs6227	0.87	0.21	4.54E-05	1.79E-02	0.23	0.21	0.29	0.90
rs62380354	0.89	0.44	4.64E-02	0.52	-0.14	0.44	0.75	0.98
rs62524579	0.27	0.21	0.21	0.71	-0.27	0.21	0.21	0.84
rs6271	-0.01	0.65	0.99	0.99	1.46	0.64	2.33E-02	0.61
rs633185	0.41	0.22	0.07	0.56	-0.10	0.22	0.65	0.98
rs63418562	0.23	0.23	0.30	0.80	0.41	0.23	0.07	0.72
rs6428947	0.36	0.27	0.18	0.69	0.15	0.27	0.58	0.97
rs6429422	0.04	0.23	0.85	0.98	-0.32	0.23	0.16	0.84
rs6442101	0.43	0.23	0.07	0.55	0.34	0.23	0.15	0.82
rs6479908	0.05	0.21	0.83	0.98	0.30	0.21	0.14	0.82
rs6487543	-0.26	0.24	0.28	0.79	0.52	0.24	2.89E-02	0.61
rs6495122	0.23	0.21	0.27	0.79	-0.24	0.21	0.25	0.84
rs6511291	0.30	0.21	0.16	0.68	0.25	0.21	0.23	0.84
rs6557876	0.43	0.23	0.06	0.54	0.02	0.23	0.94	0.99
rs6565174	0.80	0.43	0.06	0.55	-0.16	0.42	0.70	0.98
rs6595838	0.15	0.23	0.52	0.90	0.14	0.23	0.55	0.97
rs6681713	-0.65	0.74	0.38	0.84	-0.62	0.75	0.41	0.97
rs668459	0.14	0.21	0.50	0.90	-0.26	0.20	0.20	0.84
rs6686889	0.73	0.23	1.77E-03	0.12	0.39	0.23	0.09	0.73
rs66887589	0.17	0.21	0.40	0.85	0.16	0.21	0.42	0.97
rs67330701	-0.16	0.34	0.63	0.95	-0.72	0.34	3.45E-02	0.61
rs6758859	-0.17	0.22	0.46	0.89	0.12	0.22	0.58	0.97
rs6777317	-0.15	0.26	0.56	0.93	0.03	0.26	0.89	0.99
rs67833703	0.03	0.23	0.89	0.98	0.53	0.23	2.09E-02	0.61
rs6795735	0.23	0.21	0.28	0.79	0.24	0.21	0.26	0.86
rs680515	0.08	0.21	0.69	0.97	-0.25	0.21	0.22	0.84
rs687621	-0.03	0.21	0.89	0.98	0.25	0.21	0.24	0.84
rs6891344	0.18	0.28	0.51	0.90	0.23	0.27	0.39	0.96
rs6957161	0.23	0.24	0.32	0.80	0.15	0.23	0.53	0.97
rs6969780	0.66	0.36	0.07	0.55	-0.28	0.36	0.44	0.97
rs7020564	0.03	0.23	0.90	0.98	-0.21	0.23	0.34	0.91
rs7043304	0.23	0.31	0.45	0.88	-0.37	0.30	0.23	0.84
rs709668	0.28	0.25	0.27	0.79	0.05	0.25	0.85	0.99
rs7103648	-0.19	0.22	0.39	0.85	0.25	0.22	0.24	0.84
rs7107356	0.20	0.20	0.32	0.80	0.21	0.20	0.30	0.91
rs7116797	0.31	0.33	0.35	0.82	-0.33	0.33	0.32	0.91
rs7132012	0.15	0.22	0.51	0.90	-0.02	0.22	0.93	0.99
rs7134060	0.20	0.21	0.35	0.82	0.28	0.21	0.18	0.84
rs7137749	0.16	0.21	0.45	0.89	-0.38	0.21	0.07	0.72
rs7161323	0.45	0.22	4.17E-02	0.49	-0.04	0.22	0.84	0.99
rs7178615	0.17	0.21	0.42	0.85	-0.55	0.21	8.49E-03	0.60
rs7180952	-0.12	0.21	0.55	0.92	-0.07	0.21	0.72	0.98
rs7185555	-0.38	0.33	0.24	0.78	-0.57	0.32	0.08	0.72
rs7221807	0.21	0.21	0.31	0.80	0.24	0.21	0.24	0.84
rs72613227	0.55	0.36	0.13	0.67	0.23	0.37	0.52	0.97
rs7266274	0.14	0.24	0.58	0.93	0.47	0.24	0.05	0.68
rs72677850	-0.42	0.75	0.57	0.93	0.36	0.75	0.63	0.97
rs72688070	0.04	0.31	0.90	0.98	-0.10	0.31	0.75	0.98
rs72704264	-0.15	0.27	0.58	0.93	-0.13	0.26	0.63	0.97
rs72799341	0.32	0.23	0.17	0.68	-0.08	0.23	0.74	0.98
rs72812846	-0.22	0.22	0.33	0.80	0.08	0.22	0.71	0.98
rs72816333	0.03	0.28	0.93	0.98	-0.09	0.28	0.74	0.98
rs72847884	0.64	0.50	0.20	0.71	0.32	0.49	0.52	0.97
rs72851229	0.68	0.30	2.34E-02	0.47	-0.43	0.30	0.15	0.83
rs72910063	0.03	0.45	0.95	0.98	0.15	0.45	0.75	0.98

rs72930293	-0.05	0.32	0.87	0.98	-0.12	0.32	0.70	0.98
rs72930904	-0.03	0.26	0.90	0.98	-0.10	0.26	0.70	0.98
rs73033340	1.10	0.82	0.18	0.69	-0.54	0.80	0.50	0.97
rs73046792	-0.30	0.37	0.42	0.85	0.25	0.37	0.50	0.97
rs73049928	0.06	0.25	0.81	0.98	-0.19	0.25	0.44	0.97
rs73105827	0.78	0.38	4.04E-02	0.49	-0.13	0.38	0.72	0.98
rs7313556	0.08	0.21	0.71	0.97	-0.13	0.21	0.54	0.97
rs73158427	-0.19	0.26	0.47	0.89	-0.20	0.26	0.45	0.97
rs731681	0.32	0.22	0.16	0.68	-0.12	0.22	0.59	0.97
rs73181210	-0.17	0.86	0.84	0.98	-0.74	0.87	0.40	0.96
rs73744859	0.79	0.62	0.20	0.71	-0.48	0.63	0.44	0.97
rs7439567	0.14	0.21	0.52	0.90	0.47	0.21	2.75E-02	0.61
rs745821	0.11	0.23	0.62	0.94	0.31	0.23	0.17	0.84
rs7502046	0.43	0.33	0.19	0.71	-0.22	0.32	0.50	0.97
rs751984	1.05	0.29	2.33E-04	3.73E-02	0.16	0.28	0.57	0.97
rs7524019	-0.46	0.27	0.08	0.62	0.16	0.27	0.56	0.97
rs75305034	0.62	0.22	4.17E-03	0.20	-0.04	0.21	0.85	0.99
rs75507123	-0.56	0.33	0.09	0.63	0.46	0.33	0.17	0.84
rs7553422	-0.12	0.22	0.59	0.93	0.19	0.21	0.37	0.93
rs7590201	-0.08	0.21	0.71	0.97	0.42	0.21	3.86E-02	0.61
rs75902664	-0.62	0.74	0.40	0.85	1.07	0.73	0.15	0.82
rs7592578	0.25	0.30	0.41	0.85	-0.06	0.30	0.84	0.99
rs7599598	0.18	0.21	0.39	0.85	-0.01	0.21	0.98	1.00
rs7606205	0.20	0.23	0.39	0.85	0.35	0.23	0.12	0.78
rs7608483	-0.14	0.21	0.52	0.90	0.15	0.21	0.47	0.97
rs7611674	-0.48	0.29	0.10	0.64	-0.17	0.29	0.56	0.97
rs76164690	0.14	0.27	0.60	0.94	0.05	0.27	0.85	0.99
rs76326501	0.36	0.38	0.34	0.81	-0.06	0.37	0.87	0.99
rs76398786	0.07	0.66	0.92	0.98	1.12	0.66	0.09	0.73
rs76452347	0.00	0.27	1.00	1.00	-0.05	0.27	0.84	0.99
rs76627715	0.13	0.32	0.69	0.97	0.09	0.32	0.79	0.99
rs7694000	-0.54	0.21	1.14E-02	0.34	0.11	0.21	0.62	0.97
rs772178	-0.08	0.22	0.71	0.97	-0.04	0.22	0.86	0.99
rs7734334	0.24	0.21	0.24	0.78	0.01	0.21	0.94	0.99
rs7753695	0.01	0.21	0.98	0.99	0.58	0.21	6.16E-03	0.60
rs7765526	0.52	0.21	1.30E-02	0.34	0.21	0.21	0.30	0.91
rs78378222	-0.28	0.95	0.76	0.98	0.34	0.96	0.73	0.98
rs78474310	-0.38	0.57	0.51	0.90	0.04	0.57	0.95	0.99
rs78648104	-0.27	0.34	0.42	0.86	-0.13	0.33	0.70	0.98
rs79146658	0.40	0.37	0.28	0.79	1.27	0.37	5.35E-04	0.26
rs7928655	0.03	0.22	0.89	0.98	0.16	0.22	0.47	0.97
rs7965392	-0.45	0.22	4.06E-02	0.49	-0.16	0.22	0.45	0.97
rs7987651	0.12	0.32	0.72	0.97	-0.26	0.32	0.42	0.97
rs7989823	0.05	0.25	0.85	0.98	0.04	0.25	0.87	0.99
rs8014182	0.22	0.30	0.46	0.89	-0.15	0.30	0.61	0.97
rs8016306	0.40	0.26	0.13	0.67	0.46	0.26	0.08	0.72
rs805303	0.21	0.21	0.33	0.80	0.10	0.21	0.63	0.97
rs8059962	0.32	0.22	0.14	0.68	0.10	0.22	0.64	0.98
rs8069739	0.26	0.23	0.25	0.79	0.36	0.23	0.11	0.73
rs8105753	-0.07	0.25	0.78	0.98	0.06	0.25	0.82	0.99
rs8139817	0.04	0.25	0.88	0.98	-0.04	0.24	0.88	0.99
rs848309	0.45	0.21	2.92E-02	0.47	0.10	0.21	0.62	0.97
rs867186	0.03	0.34	0.92	0.98	-0.22	0.33	0.52	0.97
rs873122	0.11	0.23	0.65	0.95	0.06	0.23	0.80	0.99
rs875106	0.20	0.21	0.34	0.81	0.04	0.20	0.84	0.99
rs880315	-0.01	0.21	0.95	0.98	0.23	0.21	0.27	0.89
rs891511	-0.01	0.21	0.95	0.98	-0.27	0.21	0.20	0.84
rs894344	0.34	0.20	0.10	0.64	0.01	0.20	0.95	0.99
rs903432	0.02	0.42	0.96	0.98	0.36	0.42	0.38	0.95
rs919045	-0.11	0.22	0.63	0.95	0.13	0.22	0.56	0.97
rs925946	0.08	0.21	0.71	0.97	0.14	0.21	0.51	0.97
rs9306160	0.35	0.22	0.11	0.67	0.07	0.22	0.75	0.98
rs932764	0.21	0.20	0.30	0.80	-0.02	0.20	0.91	0.99
rs936226	0.42	0.24	0.08	0.62	-0.22	0.24	0.36	0.93
rs941454	0.21	0.21	0.32	0.80	0.24	0.21	0.25	0.84
rs9431431	0.08	0.23	0.71	0.97	0.45	0.23	4.67E-02	0.68
rs9456648	-0.03	0.22	0.89	0.98	-0.18	0.22	0.43	0.97

rs9472135	0.13	0.23	0.55	0.92	0.23	0.23	0.32	0.91
rs9479509	-0.20	0.24	0.41	0.85	0.31	0.24	0.19	0.84
rs953492	0.05	0.21	0.80	0.98	-0.19	0.21	0.36	0.93
rs954767	0.13	0.24	0.60	0.93	-0.12	0.24	0.62	0.97
rs9549297	-0.17	0.25	0.49	0.90	-0.13	0.25	0.62	0.97
rs9563529	0.05	0.23	0.83	0.98	0.15	0.23	0.52	0.97
rs9609429	-0.29	0.23	0.20	0.71	-0.33	0.23	0.14	0.82
rs9638084	-0.17	0.21	0.41	0.85	-0.15	0.21	0.49	0.97
rs9687065	0.33	0.24	0.17	0.68	0.03	0.24	0.89	0.99
rs9710247	0.03	0.22	0.88	0.98	-0.02	0.21	0.93	0.99
rs9827472	-0.22	0.22	0.32	0.80	0.00	0.22	0.99	1.00
rs9845655	-0.05	0.23	0.83	0.98	-0.07	0.23	0.76	0.98
rs9859176	0.65	0.21	2.55E-03	0.14	-0.21	0.21	0.33	0.91
rs9865843	0.27	0.21	0.19	0.71	-0.19	0.20	0.35	0.92
rs9882772	0.09	0.20	0.64	0.95	0.04	0.20	0.83	0.99
rs9932220	0.51	0.25	4.08E-02	0.49	0.03	0.25	0.92	0.99
rs9932866	0.07	0.21	0.75	0.98	-0.25	0.21	0.23	0.84

Associations reaching a p-value <0.05 are highlighted in bold

S6. Cross-sectional and longitudinal associations of the MAP-associated loci

Genetic variant	Cross-sectional (N= 4,354)				Longitudinal (N= 3,626)			
	Beta (per allele)	SE	<i>P</i>	<i>P_{FDR}</i>	Beta (per allele)	SE	<i>P</i>	<i>P_{FDR}</i>
rs11072518	0.48	0.23	4.21E-02	0.17	-0.25	0.23	0.29	0.61
rs12258967	0.07	0.27	0.79	0.88	0.44	0.27	0.10	0.42
rs1275988	0.21	0.23	0.36	0.56	0.39	0.23	0.09	0.42
rs13306561	0.35	0.30	0.24	0.44	0.38	0.29	0.20	0.56
rs1446468	0.00	0.22	0.99	0.99	0.01	0.22	0.96	0.96
rs1801253	0.38	0.25	0.13	0.29	0.17	0.25	0.51	0.72
rs2004776	0.13	0.26	0.62	0.78	0.15	0.26	0.58	0.77
rs2166122	0.52	0.32	0.10	0.28	0.25	0.32	0.43	0.66
rs2240736	0.03	0.25	0.91	0.96	-0.03	0.25	0.90	0.95
rs2681492	0.67	0.35	0.05	0.18	0.13	0.34	0.70	0.78
rs2782980	0.14	0.24	0.57	0.76	0.39	0.24	0.10	0.42
rs3184504	0.55	0.22	1.38E-02	0.07	0.11	0.22	0.62	0.77
rs35444	0.08	0.23	0.72	0.85	0.09	0.22	0.70	0.78
rs6092743	1.17	0.34	6.06E-04	4.04E-03	0.51	0.35	0.15	0.49
rs6227	0.92	0.23	7.12E-05	1.42E-03	0.24	0.23	0.30	0.61
rs6442101	0.35	0.25	0.17	0.35	0.20	0.25	0.43	0.66
rs661348	-0.25	0.24	2.94E-01	0.49	0.55	0.24	2.24E-02	0.42
rs751984	1.16	0.31	1.80E-04	1.80E-03	0.25	0.31	0.42	0.66
rs880315	0.17	0.23	0.44	0.63	0.44	0.23	0.05	0.42
rs936226	0.41	0.26	0.12	0.29	-0.32	0.26	0.23	0.56

Associations reaching a p-value <0.05 are highlighted in bold

S7. Cross-sectional and longitudinal associations of the PP-associated loci

Genetic variant	Cross-sectional (N= 4,353)				Longitudinal (N= 3,623)			
	Beta (per allele)	SE	P	P _{FDR}	Beta (per allele)	SE	P	P _{FDR}
rs1004467	-0.06	0.37	0.86	0.99	0.19	0.43	0.67	0.93
rs10057188	0.16	0.25	0.52	0.91	-0.24	0.29	0.41	0.93
rs10069690	-0.53	0.25	3.58E-02	0.59	-0.33	0.29	0.26	0.91
rs10086284	0.31	0.23	0.18	0.75	0.39	0.27	0.15	0.91
rs10184004	-0.35	0.23	0.12	0.72	0.10	0.26	0.70	0.93
rs10199082	-0.71	0.37	0.05	0.64	-0.29	0.44	0.51	0.93
rs10245696	0.00	0.22	0.99	0.99	-0.17	0.26	0.50	0.93
rs10267979	-0.01	0.23	0.98	0.99	-0.68	0.27	1.26E-02	0.55
rs10270950	0.06	0.22	0.78	0.99	-0.14	0.26	0.58	0.93
rs1027647	0.08	0.24	0.73	0.97	0.28	0.28	0.31	0.92
rs10407022	0.47	0.27	0.09	0.68	0.20	0.32	0.53	0.93
rs10418305	-0.45	0.42	0.28	0.86	-0.63	0.50	0.20	0.91
rs1047922	0.13	0.55	0.81	0.99	0.17	0.65	0.79	0.98
rs10487988	-0.19	0.30	0.53	0.91	-0.20	0.35	0.57	0.93
rs1055144	-0.22	0.30	0.46	0.91	-0.15	0.35	0.66	0.93
rs10760260	-0.03	0.33	0.93	0.99	-0.27	0.39	0.48	0.93
rs10765211	0.15	0.23	0.51	0.91	-0.24	0.27	0.37	0.93
rs10778174	0.27	0.28	0.34	0.87	0.72	0.33	3.09E-02	0.63
rs10779936	0.43	0.24	0.08	0.65	0.00	0.28	1.00	1.00
rs10782230	0.16	0.22	0.48	0.91	-0.06	0.26	0.82	0.98
rs10784502	0.16	0.22	0.48	0.91	0.25	0.26	0.33	0.92
rs10823136	-0.16	0.44	0.72	0.97	0.49	0.51	0.34	0.92
rs10826995	0.08	0.27	0.76	0.97	-0.31	0.32	0.32	0.92
rs10830959	0.20	0.24	0.42	0.91	0.65	0.28	2.32E-02	0.63
rs10830963	0.18	0.24	0.45	0.91	0.58	0.29	4.46E-02	0.67
rs10838433	-0.14	0.25	0.57	0.91	0.33	0.29	0.26	0.91
rs10859580	-0.38	0.22	0.09	0.68	0.62	0.26	1.83E-02	0.63
rs10887914	0.33	0.22	0.14	0.72	0.04	0.26	0.86	0.99
rs10913934	-0.02	0.23	0.91	0.99	0.23	0.27	0.38	0.93
rs1091811	0.73	0.31	1.68E-02	0.48	0.06	0.36	0.88	0.99
rs10922502	-0.09	0.24	0.71	0.96	0.91	0.28	1.04E-03	0.17
rs10956797	0.25	0.24	0.29	0.86	0.09	0.28	0.75	0.94
rs10958717	-0.08	0.23	0.73	0.97	0.61	0.27	2.24E-02	0.63
rs10982910	-0.26	0.48	0.59	0.91	0.05	0.55	0.93	0.99
rs10998362	0.13	0.25	0.61	0.92	0.23	0.30	0.43	0.93
rs11008355	-0.03	0.30	0.91	0.99	0.16	0.35	0.64	0.93
rs11010905	-0.15	0.22	0.50	0.91	0.33	0.26	0.21	0.91
rs11139596	-0.19	0.31	0.54	0.91	-0.54	0.37	0.14	0.91
rs11154027	0.27	0.23	0.24	0.77	-0.23	0.27	0.40	0.93
rs111791351	0.29	0.34	0.40	0.90	0.49	0.40	0.23	0.91
rs11187142	-0.29	0.45	0.52	0.91	0.21	0.53	0.70	0.93
rs11191156	-0.02	0.23	0.92	0.99	-0.12	0.27	0.67	0.93
rs11222084	0.39	0.23	0.09	0.69	0.30	0.27	0.27	0.91
rs11222386	-0.37	0.29	0.19	0.75	0.20	0.34	0.56	0.93
rs11248862	-0.23	0.42	0.59	0.91	0.89	0.50	0.07	0.76
rs112557609	-0.25	0.25	0.31	0.86	-0.57	0.29	4.49E-02	0.67
rs11256837	0.02	0.29	0.94	0.99	-0.18	0.34	0.59	0.93
rs1133400	-0.55	0.29	0.06	0.65	0.24	0.34	0.47	0.93
rs114407963	-0.26	0.40	0.50	0.91	-0.03	0.46	0.96	0.99
rs11442819	-0.20	0.33	0.54	0.91	0.32	0.39	0.41	0.93
rs114534	0.16	0.22	0.48	0.91	0.58	0.26	2.70E-02	0.63
rs115172170	0.27	0.64	0.67	0.95	-0.48	0.75	0.52	0.93
rs115231027	0.22	0.29	0.45	0.91	-0.25	0.34	0.46	0.93
rs11571376	0.69	0.27	9.89E-03	0.47	0.26	0.31	0.40	0.93
rs11585169	0.04	0.23	0.87	0.99	0.04	0.26	0.89	0.99
rs11592107	0.36	0.26	0.16	0.72	-0.20	0.30	0.51	0.93
rs11615689	0.08	0.28	0.79	0.99	0.15	0.33	0.65	0.93
rs11626434	0.38	0.23	0.10	0.71	-0.12	0.27	0.64	0.93
rs11627326	-0.18	0.27	0.49	0.91	0.37	0.31	0.23	0.91
rs11632112	0.60	0.24	1.46E-02	0.48	0.12	0.28	0.67	0.93
rs11632436	0.29	0.23	0.19	0.75	0.18	0.26	0.49	0.93
rs11638064	0.19	0.28	0.49	0.91	0.72	0.33	2.93E-02	0.63
rs11641374	-0.21	0.23	0.36	0.90	0.03	0.27	0.91	0.99
rs11642631	0.25	0.23	0.28	0.85	-0.01	0.27	0.96	0.99
rs11643209	0.04	0.23	0.86	0.99	0.22	0.27	0.41	0.93

rs11677932	0.17	0.24	0.47	0.91	0.11	0.28	0.69	0.93
rs11689667	0.58	0.22	9.50E-03	0.47	0.10	0.26	0.70	0.93
rs11690961	1.03	0.42	1.35E-02	0.48	1.39	0.49	4.44E-03	0.30
rs11701512	0.28	0.28	0.31	0.87	-0.05	0.33	0.89	0.99
rs11708647	0.14	0.23	0.54	0.91	0.17	0.27	0.53	0.93
rs117204111	0.44	0.85	0.61	0.92	1.39	0.98	0.16	0.91
rs11730129	0.11	0.27	0.68	0.95	0.13	0.32	0.69	0.93
rs117770268	-0.98	0.83	0.24	0.77	-0.57	1.00	0.57	0.93
rs11789875	0.08	0.34	0.80	0.99	0.10	0.39	0.80	0.98
rs11901929	-0.26	0.25	0.30	0.86	-0.19	0.30	0.52	0.93
rs11977526	0.09	0.23	0.68	0.95	0.38	0.27	0.15	0.91
rs12034319	-0.35	0.29	0.22	0.76	-0.08	0.33	0.81	0.98
rs12037669	0.34	0.35	0.33	0.87	0.82	0.41	4.56E-02	0.67
rs12042924	-0.05	0.24	0.83	0.99	0.37	0.27	0.18	0.91
rs12050260	0.29	0.23	0.21	0.76	0.45	0.27	0.10	0.87
rs1205445	-0.46	0.26	0.08	0.65	0.19	0.30	0.52	0.93
rs12116637	-0.21	0.24	0.38	0.90	0.25	0.28	0.38	0.93
rs12153395	0.23	0.35	0.51	0.91	0.21	0.41	0.60	0.93
rs12172847	0.08	0.24	0.74	0.97	0.46	0.28	0.09	0.87
rs12195276	0.36	0.25	0.15	0.72	0.05	0.30	0.86	0.99
rs12206253	-0.05	0.36	0.89	0.99	0.45	0.42	0.28	0.91
rs12208834	0.13	0.25	0.60	0.92	-0.03	0.29	0.92	0.99
rs12216497	0.12	0.23	0.59	0.91	0.25	0.27	0.35	0.92
rs12248718	0.59	0.24	1.44E-02	0.48	-0.11	0.28	0.70	0.93
rs12325702	-0.13	0.24	0.61	0.92	0.01	0.28	0.96	0.99
rs12454712	-0.46	0.32	0.14	0.72	0.63	0.37	0.09	0.87
rs12485003	0.78	0.45	0.08	0.67	-0.56	0.52	0.28	0.91
rs1250129	0.51	0.37	0.17	0.74	0.29	0.43	0.50	0.93
rs1250259	0.42	0.26	0.11	0.72	0.12	0.30	0.70	0.93
rs12511169	0.41	0.23	0.08	0.67	0.24	0.28	0.38	0.93
rs12538229	-0.40	0.32	0.22	0.76	0.30	0.38	0.43	0.93
rs12606620	0.38	0.28	0.17	0.73	0.30	0.32	0.36	0.92
rs1261744	0.07	0.28	0.80	0.99	0.54	0.33	0.10	0.87
rs12638085	-0.15	0.24	0.54	0.91	0.42	0.28	0.14	0.91
rs12668436	0.06	0.26	0.83	0.99	-0.21	0.30	0.49	0.93
rs12701929	0.30	0.34	0.37	0.90	-0.47	0.39	0.23	0.91
rs12705390	0.81	0.27	3.12E-03	0.37	0.61	0.32	0.06	0.72
rs12731740	0.28	0.33	0.38	0.90	-0.07	0.38	0.86	0.99
rs12807220	-0.30	0.23	0.20	0.75	0.12	0.27	0.65	0.93
rs12966571	0.00	0.31	0.99	0.99	-0.67	0.36	0.07	0.72
rs12982298	-0.02	0.24	0.94	0.99	0.20	0.28	0.47	0.93
rs13002573	0.15	0.24	0.54	0.91	0.07	0.28	0.82	0.98
rs13024657	-0.19	0.32	0.55	0.91	0.02	0.37	0.97	0.99
rs13122790	0.42	0.25	0.10	0.70	-0.39	0.30	0.18	0.91
rs13163538	0.18	0.29	0.53	0.91	0.26	0.35	0.46	0.93
rs1322639	0.00	0.28	0.99	0.99	0.51	0.33	0.12	0.91
rs13227393	0.22	0.37	0.55	0.91	0.60	0.43	0.16	0.91
rs13263073	0.19	0.26	0.48	0.91	-0.03	0.31	0.92	0.99
rs13288002	-0.03	0.23	0.90	0.99	-0.40	0.27	0.14	0.91
rs13290326	0.29	0.22	0.20	0.75	0.12	0.26	0.64	0.93
rs13303	0.19	0.22	0.38	0.90	0.06	0.26	0.82	0.98
rs1333047	0.51	0.23	2.51E-02	0.51	0.17	0.27	0.52	0.93
rs1334576	-0.03	0.22	0.91	0.99	-0.34	0.26	0.19	0.91
rs134041	-0.12	0.23	0.59	0.91	0.19	0.27	0.47	0.93
rs13420463	0.26	0.26	0.32	0.87	0.31	0.30	0.30	0.91
rs1344653	0.40	0.22	0.07	0.65	0.80	0.26	2.00E-03	0.24
rs1350100	-0.05	0.22	0.81	0.99	0.08	0.26	0.75	0.94
rs137993948	0.09	0.30	0.75	0.97	-0.20	0.34	0.57	0.93
rs138650910	-0.15	0.45	0.75	0.97	0.33	0.53	0.53	0.93
rs138957616	-0.19	0.51	0.72	0.97	0.22	0.59	0.70	0.93
rs139385870	-0.50	0.24	3.91E-02	0.59	-0.28	0.28	0.32	0.92
rs1432457	0.11	0.25	0.66	0.95	-0.15	0.29	0.61	0.93
rs1436206	0.17	0.22	0.45	0.91	-0.03	0.26	0.89	0.99
rs1449544	0.26	0.23	0.26	0.80	0.19	0.26	0.47	0.93
rs1475130	0.35	0.24	0.14	0.72	-0.02	0.28	0.93	0.99
rs147696085	0.04	0.39	0.92	0.99	0.38	0.45	0.41	0.93
rs1486236	-0.14	0.24	0.56	0.91	-0.03	0.28	0.91	0.99
rs1489110	0.54	0.24	2.58E-02	0.51	0.41	0.28	0.15	0.91
rs151054210	0.10	0.29	0.72	0.97	0.35	0.33	0.30	0.91

rs1566497	0.20	0.23	0.39	0.90	0.56	0.27	3.58E-02	0.64
rs1570350	0.03	0.23	0.89	0.99	0.25	0.27	0.36	0.92
rs157678	-0.53	0.27	4.98E-02	0.61	-0.03	0.32	0.93	0.99
rs1630736	0.40	0.28	0.15	0.72	0.12	0.32	0.71	0.93
rs1646010	-0.07	0.27	0.80	0.99	0.20	0.32	0.53	0.93
rs167479	0.45	0.22	4.32E-02	0.59	-0.09	0.26	0.74	0.94
rs169080	-0.05	0.25	0.83	0.99	-0.05	0.29	0.86	0.99
rs169287	0.06	0.28	0.84	0.99	0.18	0.32	0.58	0.93
rs1694068	0.16	0.23	0.47	0.91	-0.15	0.26	0.57	0.93
rs16954120	0.87	0.47	0.07	0.65	-0.34	0.55	0.53	0.93
rs17035181	0.21	0.34	0.54	0.91	-0.37	0.39	0.35	0.92
rs17059668	-0.36	0.48	0.45	0.91	0.85	0.55	0.12	0.91
rs17119370	0.14	0.26	0.59	0.91	-0.33	0.30	0.27	0.91
rs17287293	0.41	0.31	0.19	0.75	-0.30	0.36	0.42	0.93
rs17355629	0.63	0.45	0.16	0.73	0.43	0.54	0.42	0.93
rs17471509	-0.15	0.23	0.50	0.91	0.16	0.26	0.55	0.93
rs17516329	0.18	0.24	0.45	0.91	0.33	0.28	0.24	0.91
rs17720594	1.16	0.96	0.23	0.76	-0.07	1.13	0.95	0.99
rs177992	0.09	0.23	0.71	0.96	-0.45	0.27	0.10	0.87
rs17831815	0.00	0.24	0.98	0.99	-0.11	0.28	0.69	0.93
rs185819	0.36	0.22	0.10	0.71	-0.05	0.26	0.83	0.99
rs1869800	-0.03	0.23	0.90	0.99	-0.10	0.27	0.70	0.93
rs1878406	0.03	0.36	0.94	0.99	0.29	0.42	0.49	0.93
rs189593992	-0.40	0.55	0.46	0.91	0.29	0.65	0.66	0.93
rs1923409	0.28	0.23	0.21	0.76	-0.58	0.26	2.76E-02	0.63
rs1925153	0.09	0.22	0.70	0.96	-0.19	0.25	0.45	0.93
rs1938598	-0.39	0.27	0.15	0.72	-0.01	0.31	0.97	0.99
rs1966203	0.28	0.23	0.23	0.76	-0.31	0.27	0.26	0.91
rs1966323	-0.04	0.23	0.85	0.99	-0.01	0.27	0.98	1.00
rs1986971	0.07	0.25	0.77	0.98	-0.55	0.29	0.06	0.72
rs2005950	0.23	0.35	0.52	0.91	0.25	0.41	0.54	0.93
rs200688233	0.24	0.26	0.34	0.87	-0.55	0.30	0.07	0.72
rs2012714	0.30	0.23	0.18	0.75	0.11	0.27	0.69	0.93
rs20354	0.77	0.38	4.54E-02	0.59	0.56	0.46	0.22	0.91
rs2049814	0.01	0.22	0.98	0.99	0.09	0.26	0.73	0.94
rs2069833	0.01	0.23	0.97	0.99	-0.53	0.27	4.60E-02	0.67
rs2071518	-0.04	0.26	0.88	0.99	0.13	0.30	0.67	0.93
rs2075665	0.01	0.23	0.97	0.99	0.00	0.26	1.00	1.00
rs210314	0.00	0.22	0.98	0.99	0.44	0.26	0.09	0.87
rs2107595	0.59	0.29	4.08E-02	0.59	0.37	0.34	0.28	0.91
rs2143635	0.86	0.38	0.02	0.51	0.17	0.45	0.71	0.93
rs2165197	-0.13	0.22	0.57	0.91	-0.48	0.26	0.07	0.72
rs2205260	0.22	0.30	0.45	0.91	0.44	0.35	0.20	0.91
rs2215590	0.26	0.27	0.34	0.87	-0.25	0.31	0.42	0.93
rs223361	-0.58	0.24	1.57E-02	0.48	0.48	0.28	0.09	0.87
rs2244643	-0.06	0.25	0.80	0.99	-0.03	0.29	0.93	0.99
rs2277788	-0.34	0.38	0.38	0.90	0.60	0.45	0.19	0.91
rs2282978	0.18	0.24	0.44	0.91	0.07	0.28	0.79	0.98
rs2289081	0.44	0.24	0.07	0.65	-0.15	0.29	0.59	0.93
rs2289125	0.40	0.27	0.14	0.72	0.06	0.32	0.85	0.99
rs2291435	-0.33	0.23	0.16	0.72	0.36	0.27	0.19	0.91
rs2300481	-0.36	0.23	0.13	0.72	0.24	0.27	0.38	0.93
rs2302061	0.71	0.38	0.06	0.65	0.38	0.45	0.39	0.93
rs2325885	-0.30	0.26	0.24	0.77	-0.24	0.30	0.42	0.93
rs2354862	0.34	0.24	0.16	0.72	0.03	0.28	0.91	0.99
rs2393455	0.16	0.24	0.50	0.91	-0.42	0.28	0.13	0.91
rs2400509	0.26	0.25	0.30	0.86	-0.15	0.29	0.61	0.93
rs2404715	0.41	0.40	0.31	0.87	0.12	0.48	0.81	0.98
rs2424908	0.11	0.26	0.67	0.95	0.05	0.31	0.88	0.99
rs2428939	0.00	0.24	0.98	0.99	0.04	0.28	0.89	0.99
rs2440907	0.02	0.22	0.92	0.99	0.02	0.26	0.95	0.99
rs2498323	-0.46	0.47	0.32	0.87	0.54	0.55	0.32	0.92
rs2530225	0.48	0.23	3.28E-02	0.56	0.12	0.26	0.66	0.93
rs255299	0.14	0.23	0.53	0.91	-0.15	0.27	0.59	0.93
rs256837	-0.47	0.28	0.09	0.68	0.02	0.33	0.95	0.99
rs256904	0.03	0.26	0.91	0.99	0.25	0.30	0.40	0.93
rs2569842	-0.13	0.24	0.59	0.91	-0.02	0.29	0.94	0.99
rs2579503	0.07	0.24	0.77	0.98	-0.35	0.28	0.21	0.91
rs2610990	-0.20	0.25	0.42	0.91	0.27	0.29	0.35	0.92

rs2613765	0.18	0.23	0.44	0.91	0.23	0.27	0.40	0.93
rs262986	0.01	0.23	0.96	0.99	0.31	0.27	0.25	0.91
rs2631669	0.22	0.22	0.33	0.87	0.35	0.26	0.18	0.91
rs2645466	0.20	0.23	0.39	0.90	0.18	0.27	0.51	0.93
rs2656523	-0.20	0.33	0.53	0.91	0.37	0.38	0.33	0.92
rs267540	-0.05	0.23	0.81	0.99	0.11	0.27	0.69	0.93
rs2706110	0.21	0.28	0.46	0.91	-0.11	0.33	0.74	0.94
rs273957	-0.05	0.23	0.84	0.99	-0.15	0.27	0.59	0.93
rs2761436	0.16	0.23	0.49	0.91	0.06	0.27	0.82	0.98
rs2820443	0.22	0.25	0.38	0.90	0.05	0.29	0.87	0.99
rs28451064	0.03	0.36	0.93	0.99	0.05	0.42	0.91	0.99
rs28470843	0.23	0.24	0.33	0.87	-0.36	0.28	0.19	0.91
rs28499085	-0.14	0.24	0.57	0.91	0.24	0.29	0.39	0.93
rs28594215	0.35	0.23	0.13	0.72	-0.10	0.27	0.71	0.93
rs286809	0.11	0.28	0.69	0.95	0.72	0.33	2.74E-02	0.63
rs2899463	-0.04	0.23	0.87	0.99	-0.77	0.26	3.33E-03	0.30
rs2914609	0.26	0.34	0.45	0.91	0.18	0.39	0.64	0.93
rs2949837	0.07	0.28	0.82	0.99	0.11	0.33	0.74	0.94
rs296797	-0.11	0.22	0.62	0.93	0.02	0.26	0.95	0.99
rs2971669	0.01	0.28	0.97	0.99	-0.21	0.33	0.53	0.93
rs2972207	0.11	0.33	0.75	0.97	0.55	0.39	0.16	0.91
rs2978456	0.20	0.29	0.50	0.91	-0.64	0.34	0.06	0.72
rs3135967	-0.53	0.23	1.92E-02	0.48	-0.25	0.27	0.34	0.92
rs3175	0.46	0.27	0.09	0.68	-0.19	0.31	0.55	0.93
rs3176336	-0.04	0.23	0.85	0.99	0.11	0.27	0.68	0.93
rs3191402	-0.09	0.29	0.75	0.97	0.09	0.34	0.79	0.98
rs34072724	-0.01	0.22	0.95	0.99	0.05	0.26	0.86	0.99
rs34163229	0.07	0.32	0.82	0.99	0.22	0.37	0.56	0.93
rs34457140	0.16	0.24	0.52	0.91	0.66	0.28	1.94E-02	0.63
rs34489224	0.37	0.30	0.22	0.76	0.42	0.35	0.24	0.91
rs34783010	-0.06	0.28	0.84	0.99	0.03	0.32	0.92	0.99
rs34872471	0.03	0.27	0.91	0.99	0.25	0.31	0.42	0.93
rs34983854	-0.29	0.23	0.20	0.75	0.54	0.27	4.32E-02	0.67
rs35199222	-0.32	0.23	0.16	0.72	-0.18	0.27	0.51	0.93
rs35590893	0.71	0.25	4.33E-03	0.38	0.37	0.29	0.20	0.91
rs356926	0.12	0.27	0.66	0.95	0.21	0.32	0.52	0.93
rs35796750	-0.02	0.23	0.95	0.99	-0.14	0.27	0.60	0.93
rs36010659	0.30	0.35	0.39	0.90	0.15	0.41	0.71	0.93
rs36083386	0.63	0.33	0.06	0.65	0.59	0.39	0.13	0.91
rs36114380	0.35	0.29	0.22	0.76	0.12	0.34	0.72	0.94
rs367700296	0.25	0.25	0.32	0.87	0.03	0.29	0.91	0.99
rs3733215	0.21	0.22	0.35	0.89	0.29	0.26	0.26	0.91
rs3743157	-0.24	0.31	0.43	0.91	-0.06	0.36	0.87	0.99
rs3760994	0.13	0.31	0.68	0.95	-0.31	0.36	0.39	0.93
rs3767199	0.08	0.23	0.73	0.97	0.40	0.27	0.15	0.91
rs3771371	0.31	0.22	0.17	0.73	0.03	0.26	0.89	0.99
rs3774372	-0.56	0.31	0.07	0.65	0.16	0.36	0.66	0.93
rs3790227	-0.09	0.27	0.74	0.97	0.28	0.31	0.37	0.93
rs379862	-0.28	0.24	0.23	0.76	0.32	0.28	0.25	0.91
rs3802517	0.27	0.22	0.24	0.77	0.00	0.26	0.99	1.00
rs3820068	-0.03	0.30	0.92	0.99	-0.34	0.35	0.33	0.92
rs3822239	-0.30	0.23	0.19	0.75	0.14	0.27	0.61	0.93
rs385437	0.70	0.30	1.88E-02	0.48	0.03	0.35	0.92	0.99
rs3915499	0.22	0.24	0.36	0.90	-0.18	0.28	0.51	0.93
rs409558	0.52	0.29	0.07	0.65	-0.43	0.33	0.19	0.91
rs4140574	0.05	0.23	0.84	0.99	-0.12	0.27	0.64	0.93
rs4304924	0.13	0.23	0.59	0.91	0.03	0.28	0.91	0.99
rs4342401	0.41	0.22	0.07	0.65	0.08	0.26	0.77	0.96
rs4360494	0.20	0.23	0.38	0.90	0.35	0.26	0.19	0.91
rs449789	-0.09	0.38	0.81	0.99	0.17	0.45	0.70	0.93
rs452036	-0.14	0.24	0.55	0.91	-0.04	0.28	0.90	0.99
rs4523973	-0.24	0.23	0.30	0.86	-0.35	0.27	0.20	0.91
rs4534535	-0.85	0.36	1.80E-02	0.48	0.26	0.42	0.53	0.93
rs4551692	-0.08	0.47	0.86	0.99	-0.18	0.55	0.74	0.94
rs4553000	0.33	0.22	0.13	0.72	-0.36	0.26	0.17	0.91
rs4582532	0.28	0.22	0.21	0.76	0.37	0.26	0.16	0.91
rs4598218	-0.11	0.24	0.65	0.94	0.05	0.28	0.87	0.99
rs4631439	0.83	0.25	9.52E-04	0.31	0.17	0.29	0.56	0.93
rs4652875	0.16	0.22	0.46	0.91	-0.06	0.26	0.82	0.98

rs4664080	0.42	0.24	0.08	0.65	0.02	0.28	0.95	0.99
rs4678915	0.30	0.23	0.20	0.75	0.34	0.27	0.21	0.91
rs4680	-0.10	0.22	0.65	0.94	0.09	0.26	0.74	0.94
rs4699165	0.72	0.24	2.90E-03	0.37	0.34	0.28	0.24	0.91
rs470113	0.21	0.26	0.42	0.91	-0.14	0.30	0.65	0.93
rs4744239	0.19	0.23	0.40	0.90	0.01	0.27	0.98	1.00
rs4785955	-0.31	0.27	0.24	0.77	0.16	0.32	0.61	0.93
rs4788913	0.06	0.24	0.80	0.99	0.27	0.29	0.35	0.92
rs4795641	0.10	0.23	0.68	0.95	-0.16	0.27	0.55	0.93
rs4803457	0.43	0.23	0.06	0.65	0.26	0.27	0.33	0.92
rs4811601	-0.08	0.23	0.74	0.97	0.68	0.27	1.06E-02	0.51
rs4894535	-0.19	0.29	0.52	0.91	0.36	0.34	0.29	0.91
rs4896104	0.34	0.23	0.14	0.72	0.32	0.28	0.25	0.91
rs4904503	0.24	0.24	0.32	0.87	0.27	0.28	0.33	0.92
rs4919883	-0.04	0.31	0.91	0.99	-0.04	0.37	0.92	0.99
rs4922591	-0.14	0.24	0.55	0.91	-0.14	0.28	0.63	0.93
rs4977492	0.26	0.25	0.30	0.86	0.11	0.30	0.70	0.93
rs4980515	0.14	0.23	0.53	0.91	0.01	0.27	0.98	1.00
rs4980877	0.13	0.24	0.58	0.91	0.25	0.28	0.36	0.92
rs5021979	-0.01	0.27	0.97	0.99	0.25	0.32	0.43	0.93
rs512083	-0.24	0.23	0.30	0.86	-0.16	0.27	0.55	0.93
rs516143	-0.06	0.39	0.88	0.99	0.21	0.46	0.65	0.93
rs555754	0.14	0.22	0.54	0.91	-0.29	0.26	0.27	0.91
rs55732192	0.29	0.44	0.51	0.91	-0.48	0.51	0.35	0.92
rs55780018	-0.19	0.22	0.40	0.90	0.15	0.26	0.56	0.93
rs560276033	-0.18	0.39	0.65	0.94	0.26	0.45	0.56	0.93
rs560887	0.18	0.24	0.46	0.91	0.15	0.28	0.59	0.93
rs56143613	0.32	0.25	0.19	0.75	-0.36	0.29	0.22	0.91
rs56228409	0.68	0.46	0.14	0.72	-0.60	0.54	0.26	0.91
rs56249585	0.27	0.22	0.23	0.76	-0.20	0.26	0.45	0.93
rs56322953	-0.24	0.26	0.36	0.90	0.07	0.31	0.83	0.99
rs56356382	-0.07	0.31	0.83	0.99	0.07	0.36	0.84	0.99
rs56844452	0.02	0.52	0.97	0.99	-0.27	0.61	0.66	0.93
rs571463591	-0.21	0.31	0.51	0.91	0.20	0.36	0.59	0.93
rs57400569	-0.12	0.27	0.65	0.94	0.23	0.31	0.45	0.93
rs57448815	-0.05	0.32	0.87	0.99	0.40	0.37	0.28	0.91
rs5750482	-0.02	0.22	0.93	0.99	-0.10	0.26	0.70	0.93
rs5753103	0.15	0.22	0.51	0.91	0.16	0.26	0.55	0.93
rs5772	0.13	0.24	0.59	0.91	-0.10	0.28	0.72	0.94
rs5794844	-0.17	0.23	0.45	0.91	0.32	0.26	0.23	0.91
rs58015370	-0.05	0.24	0.85	0.99	0.44	0.28	0.12	0.91
rs58477215	0.66	0.28	1.64E-02	0.48	-0.23	0.32	0.47	0.93
rs599550	-0.25	0.33	0.44	0.91	0.02	0.38	0.97	0.99
rs60199046	0.50	0.24	3.75E-02	0.59	-0.19	0.28	0.50	0.93
rs60255247	0.42	0.32	0.19	0.75	-0.05	0.38	0.89	0.99
rs6031435	-0.17	0.23	0.47	0.91	-0.10	0.27	0.70	0.93
rs60354484	-0.12	0.29	0.69	0.95	-0.38	0.34	0.27	0.91
rs6141479	-0.09	0.30	0.76	0.97	-0.36	0.35	0.30	0.91
rs6142381	0.35	0.23	0.13	0.72	0.12	0.27	0.65	0.93
rs61735998	-0.55	1.07	0.60	0.92	0.02	1.23	0.99	1.00
rs61755579	-1.68	0.79	3.20E-02	0.56	-0.49	0.92	0.60	0.93
rs61760904	1.41	0.88	0.11	0.72	-1.71	1.06	0.11	0.91
rs61823001	0.15	0.44	0.73	0.97	-0.09	0.51	0.87	0.99
rs62011052	0.16	0.28	0.57	0.91	0.15	0.33	0.66	0.93
rs62020769	0.22	0.24	0.35	0.89	0.52	0.28	0.06	0.72
rs62033406	0.14	0.22	0.54	0.91	0.25	0.26	0.33	0.92
rs62053102	-0.05	0.67	0.94	0.99	-0.17	0.78	0.82	0.99
rs62076103	0.60	0.51	0.24	0.77	-0.33	0.61	0.59	0.93
rs62080325	0.36	0.27	0.19	0.75	0.44	0.32	0.16	0.91
rs62250714	0.05	0.24	0.83	0.99	1.17	0.28	3.36E-05	1.61E-02
rs62270945	1.58	1.09	0.15	0.72	-0.48	1.29	0.71	0.93
rs62361303	0.30	0.34	0.37	0.90	0.11	0.39	0.78	0.97
rs62385385	0.15	0.23	0.53	0.91	-0.67	0.27	1.38E-02	0.55
rs6421389	0.11	0.24	0.63	0.93	0.15	0.27	0.58	0.93
rs6434404	0.05	0.26	0.84	0.99	0.31	0.30	0.30	0.91
rs6438253	0.33	0.23	0.16	0.72	-0.16	0.27	0.56	0.93
rs649472	-0.35	0.25	0.15	0.72	0.11	0.29	0.71	0.93
rs6557876	0.24	0.25	0.34	0.87	0.13	0.29	0.66	0.93
rs6662330	0.64	0.32	4.49E-02	0.59	0.36	0.38	0.34	0.92

rs666720	-0.06	0.23	0.81	0.99	0.00	0.27	1.00	1.00
rs66723505	0.79	0.24	1.28E-03	0.31	0.16	0.29	0.59	0.93
rs66774912	0.15	0.37	0.68	0.95	0.42	0.44	0.34	0.92
rs6689862	0.25	0.44	0.56	0.91	-0.28	0.51	0.58	0.93
rs670463	0.19	0.24	0.42	0.91	-0.12	0.28	0.67	0.93
rs6731373	-0.42	0.27	0.12	0.72	0.00	0.32	0.99	1.00
rs6747242	-0.02	0.47	0.96	0.99	0.56	0.55	0.31	0.91
rs6747874	0.20	0.26	0.44	0.91	-0.56	0.31	0.07	0.72
rs67720684	0.27	0.30	0.37	0.90	-0.16	0.35	0.64	0.93
rs6772704	-0.03	0.27	0.92	0.99	0.02	0.31	0.94	0.99
rs6782694	0.01	0.34	0.97	0.99	-0.05	0.40	0.90	0.99
rs6788984	0.16	0.33	0.62	0.93	0.13	0.38	0.73	0.94
rs6792918	0.14	0.53	0.78	0.99	0.64	0.61	0.30	0.91
rs6793656	-0.19	0.38	0.62	0.93	0.43	0.44	0.33	0.92
rs6801957	0.36	0.23	0.11	0.72	-0.23	0.26	0.38	0.93
rs680515	0.36	0.23	0.11	0.72	0.31	0.26	0.25	0.91
rs6806529	0.14	0.25	0.57	0.91	0.07	0.29	0.80	0.98
rs6823199	0.48	0.27	0.07	0.65	0.20	0.31	0.51	0.93
rs685149	-0.32	0.25	0.19	0.75	0.11	0.29	0.71	0.93
rs6867399	-0.17	0.30	0.57	0.91	-0.16	0.35	0.64	0.93
rs6919440	-0.07	0.24	0.76	0.97	-0.29	0.28	0.29	0.91
rs6925750	-0.17	0.34	0.62	0.93	0.50	0.40	0.22	0.91
rs6996562	0.20	0.22	0.37	0.90	-0.04	0.26	0.87	0.99
rs7019055	0.19	0.23	0.41	0.91	-0.16	0.27	0.56	0.93
rs7041664	-0.45	0.25	0.08	0.65	0.48	0.30	0.11	0.91
rs704191	0.24	0.23	0.30	0.86	-0.37	0.27	0.18	0.91
rs7045409	-0.28	0.24	0.26	0.80	0.30	0.29	0.29	0.91
rs709209	0.20	0.24	0.40	0.90	0.10	0.28	0.71	0.93
rs7096563	-0.07	0.24	0.76	0.97	0.33	0.27	0.23	0.91
rs7107356	-0.22	0.22	0.33	0.87	-0.37	0.26	0.15	0.91
rs7126805	0.18	0.26	0.49	0.91	0.16	0.30	0.60	0.93
rs7144602	0.02	0.25	0.93	0.99	0.22	0.30	0.46	0.93
rs71543920	0.59	0.48	0.22	0.76	0.78	0.56	0.16	0.91
rs7166269	0.29	0.32	0.36	0.90	0.50	0.38	0.18	0.91
rs7185555	-0.78	0.35	2.65E-02	0.51	-0.45	0.41	0.28	0.91
rs7219390	-0.08	0.22	0.72	0.97	0.14	0.26	0.60	0.93
rs7226020	0.11	0.25	0.65	0.94	0.12	0.29	0.67	0.93
rs7236548	0.42	0.28	0.13	0.72	0.11	0.33	0.74	0.94
rs7248104	-0.03	0.23	0.89	0.99	-0.28	0.27	0.29	0.91
rs7255	0.56	0.24	2.10E-02	0.50	-0.25	0.28	0.39	0.93
rs72659998	-0.04	0.34	0.90	0.99	0.42	0.39	0.29	0.91
rs72677850	-2.25	0.81	5.62E-03	0.38	-0.60	0.96	0.53	0.93
rs72765298	0.35	0.40	0.39	0.90	0.37	0.46	0.42	0.93
rs72831855	0.08	0.65	0.90	0.99	0.47	0.77	0.54	0.93
rs72910063	-0.59	0.49	0.23	0.76	-0.28	0.58	0.63	0.93
rs729448	0.35	0.22	0.11	0.72	-0.28	0.26	0.29	0.91
rs72958213	0.22	0.29	0.46	0.91	-0.22	0.34	0.52	0.93
rs73046792	-0.14	0.39	0.72	0.97	-0.56	0.46	0.23	0.91
rs73080726	0.62	0.31	4.90E-02	0.61	-0.34	0.36	0.35	0.92
rs73080767	0.53	0.35	0.14	0.72	-0.42	0.41	0.30	0.91
rs7312132	0.41	0.51	0.43	0.91	0.21	0.60	0.73	0.94
rs73161324	-0.50	0.75	0.50	0.91	0.99	0.87	0.25	0.91
rs734780	0.34	0.38	0.37	0.90	-0.24	0.44	0.59	0.93
rs73605614	-0.07	0.28	0.81	0.99	0.44	0.33	0.18	0.91
rs73727605	0.28	0.63	0.66	0.95	-0.35	0.74	0.64	0.93
rs73754057	0.10	0.28	0.71	0.96	-0.05	0.33	0.89	0.99
rs737721	0.09	0.43	0.82	0.99	-0.71	0.50	0.15	0.91
rs739414	0.09	0.25	0.70	0.96	-0.22	0.29	0.44	0.93
rs740406	0.60	0.41	0.15	0.72	0.62	0.49	0.21	0.91
rs740698	-0.11	0.24	0.65	0.94	-0.04	0.27	0.88	0.99
rs7412	0.62	0.42	0.14	0.72	1.14	0.50	2.08E-02	0.63
rs74181299	0.20	0.23	0.38	0.90	-0.06	0.26	0.83	0.99
rs7437940	-0.09	0.23	0.68	0.95	0.55	0.26	3.64E-02	0.64
rs74482535	1.27	0.45	5.18E-03	0.38	-0.23	0.53	0.67	0.93
rs74621754	-1.02	0.68	0.13	0.72	-0.99	0.80	0.21	0.91
rs7500448	0.40	0.27	0.13	0.72	0.17	0.31	0.58	0.93
rs7512595	0.26	0.42	0.52	0.91	0.69	0.48	0.15	0.91
rs7519279	0.47	0.24	4.58E-02	0.59	0.02	0.28	0.94	0.99
rs757081	0.29	0.23	0.21	0.75	0.57	0.27	3.16E-02	0.63

rs757462	-0.18	0.25	0.48	0.91	0.38	0.30	0.20	0.91
rs7575523	0.19	0.23	0.43	0.91	-0.44	0.27	0.11	0.91
rs7586597	-0.02	0.24	0.95	0.99	0.12	0.28	0.67	0.93
rs76052955	-0.12	0.25	0.65	0.94	-0.42	0.30	0.15	0.91
rs7632108	0.13	0.23	0.57	0.91	0.40	0.27	0.14	0.91
rs765302	0.37	0.22	0.10	0.70	0.49	0.26	0.06	0.72
rs7666150	0.32	0.23	0.16	0.72	-0.37	0.26	0.17	0.91
rs7672622	-0.07	0.27	0.81	0.99	-0.11	0.32	0.73	0.94
rs76785029	0.71	0.49	0.15	0.72	0.00	0.57	0.99	1.00
rs76904484	0.03	0.73	0.96	0.99	0.32	0.85	0.70	0.93
rs7710854	0.54	0.42	0.20	0.75	0.60	0.49	0.22	0.91
rs7714219	-0.05	0.24	0.82	0.99	0.46	0.28	0.11	0.91
rs77692990	-0.67	0.52	0.20	0.75	0.85	0.61	0.16	0.91
rs783621	0.01	0.23	0.98	0.99	-0.05	0.26	0.85	0.99
rs78378222	-1.74	1.02	0.09	0.68	1.00	1.22	0.41	0.93
rs7838781	0.20	0.28	0.46	0.91	-0.22	0.33	0.49	0.93
rs7845722	0.33	0.23	0.14	0.72	-0.30	0.26	0.26	0.91
rs7856420	0.23	0.23	0.32	0.87	-0.07	0.28	0.79	0.98
rs7861040	0.00	0.24	0.99	0.99	-0.52	0.28	0.06	0.72
rs7869756	-0.15	0.30	0.62	0.93	-0.20	0.36	0.57	0.93
rs78909240	-0.50	0.37	0.18	0.75	1.23	0.43	4.35E-03	0.30
rs79089478	0.71	0.69	0.30	0.86	1.57	0.83	0.06	0.72
rs7914287	-0.01	0.26	0.98	0.99	0.46	0.30	0.12	0.91
rs7927515	-0.07	0.24	0.78	0.99	0.00	0.28	0.99	1.00
rs7963801	0.28	0.26	0.28	0.85	0.85	0.30	5.03E-03	0.30
rs7968719	-0.34	0.24	0.16	0.72	-0.09	0.29	0.76	0.95
rs7977311	0.22	0.39	0.58	0.91	0.15	0.46	0.74	0.94
rs7977389	-0.03	0.34	0.93	0.99	1.32	0.39	6.62E-04	0.16
rs8013933	-0.11	0.29	0.70	0.96	-0.08	0.34	0.82	0.98
rs8014182	-0.39	0.32	0.23	0.76	0.04	0.38	0.91	0.99
rs8027524	0.00	0.23	0.99	0.99	0.20	0.27	0.46	0.93
rs8103992	0.05	0.31	0.86	0.99	0.40	0.37	0.28	0.91
rs8111708	-0.09	0.23	0.68	0.95	0.37	0.27	0.17	0.91
rs813412	0.00	0.27	0.99	0.99	-0.14	0.31	0.65	0.93
rs8141699	-0.53	0.55	0.33	0.87	-0.06	0.64	0.93	0.99
rs8258	-0.07	0.23	0.76	0.97	0.14	0.27	0.59	0.93
rs832890	-0.12	0.23	0.60	0.92	-0.02	0.27	0.93	0.99
rs869396	0.25	0.23	0.28	0.85	0.57	0.27	3.27E-02	0.63
rs871606	0.35	0.41	0.40	0.90	0.73	0.48	0.13	0.91
rs880315	0.59	0.23	8.54E-03	0.47	0.69	0.26	8.68E-03	0.46
rs8904	0.04	0.22	0.87	0.99	0.41	0.26	0.12	0.91
rs899927	-0.05	0.25	0.83	0.99	-0.06	0.29	0.85	0.99
rs912434	0.45	0.25	0.07	0.65	-0.27	0.29	0.35	0.92
rs917275	-0.11	0.25	0.65	0.94	-0.45	0.29	0.12	0.91
rs925484	0.24	0.23	0.29	0.86	0.06	0.26	0.81	0.98
rs9303241	0.48	0.22	3.24E-02	0.56	-0.04	0.26	0.89	0.99
rs9337951	0.17	0.26	0.53	0.91	-0.04	0.31	0.89	0.99
rs9349379	0.23	0.22	0.30	0.86	0.19	0.26	0.46	0.93
rs9368222	0.11	0.26	0.68	0.95	0.37	0.31	0.22	0.91
rs9477927	0.30	0.23	0.18	0.75	-0.03	0.27	0.91	0.99
rs9486916	-0.02	0.28	0.94	0.99	-0.44	0.33	0.18	0.91
rs9506725	0.18	0.23	0.41	0.91	-0.20	0.26	0.46	0.93
rs9549328	-0.04	0.28	0.90	0.99	0.70	0.33	3.31E-02	0.63
rs956006	0.57	0.26	2.50E-02	0.51	0.18	0.30	0.55	0.93
rs9608690	0.92	0.45	4.22E-02	0.59	0.10	0.53	0.85	0.99
rs963920	-0.05	0.25	0.83	0.99	0.27	0.29	0.35	0.92
rs9650650	-0.02	0.23	0.94	0.99	-0.54	0.27	4.58E-02	0.67
rs9658584	-0.36	0.32	0.26	0.80	-0.21	0.37	0.58	0.93
rs9662255	0.16	0.22	0.46	0.91	0.19	0.26	0.45	0.93
rs9708177	-0.61	0.43	0.16	0.72	-0.10	0.50	0.83	0.99
rs9729719	-0.12	0.24	0.62	0.93	0.53	0.28	0.06	0.72
rs9833313	-0.34	0.27	0.20	0.75	0.25	0.31	0.42	0.93
rs9837162	0.19	0.23	0.40	0.90	0.16	0.27	0.55	0.93
rs9844972	0.84	0.66	0.21	0.75	0.17	0.78	0.83	0.99
rs9860290	0.06	0.28	0.82	0.99	0.40	0.32	0.22	0.91
rs9885632	0.26	0.26	0.31	0.87	0.26	0.31	0.40	0.93
rs9904409	-0.20	0.48	0.68	0.95	0.27	0.57	0.63	0.93
rs9937309	-0.02	0.28	0.95	0.99	0.00	0.33	0.99	1.00

Associations reaching a p-value <0.05 are highlighted in bold

S8. Cross-sectional and longitudinal associations of all blood pressure traits associated loci with hypertension defined according to US guidelines

Genetic variant	Cross-sectional (N= 4,603)				Longitudinal (N= 2,054)			
	OR (per allele)	95% CI	P	P _{FDR}	OR (per allele)	95% CI	P	P _{FDR}
rs1004467*	1.02	0.88-1.18	0.83	0.99	0.95	0.77-1.19	0.66	0.94
rs10048404	0.99	0.89-1.11	0.87	0.99	0.92	0.77-1.08	0.30	0.93
rs10057188	1.05	0.95-1.15	0.37	0.91	1.07	0.92-1.23	0.38	0.93
rs10059921	0.98	0.79-1.21	0.83	0.99	0.99	0.72-1.36	0.93	0.98
rs10062049	1.10	0.98-1.24	0.11	0.84	0.92	0.77-1.1	0.35	0.93
rs10069690	0.94	0.85-1.03	0.18	0.90	1.06	0.91-1.23	0.46	0.93
rs10078021	1.06	0.96-1.16	0.25	0.91	1.05	0.92-1.21	0.48	0.93
rs1008058	1.01	0.9-1.13	0.88	0.99	0.97	0.82-1.15	0.74	0.96
rs10086284	0.99	0.9-1.08	0.78	0.98	1.07	0.94-1.23	0.31	0.93
rs10087782	1.03	0.95-1.12	0.48	0.94	1.12	0.99-1.28	0.08	0.93
rs10103353	1.03	0.94-1.12	0.58	0.95	1.05	0.92-1.2	0.49	0.93
rs1011018	0.99	0.89-1.11	0.91	0.99	0.96	0.81-1.13	0.61	0.93
rs1015538	1.00	0.91-1.1	0.96	0.99	1.08	0.93-1.24	0.31	0.93
rs10164193	0.93	0.78-1.11	0.41	0.92	1.03	0.79-1.34	0.85	0.98
rs10182307	1.00	0.92-1.09	0.96	0.99	0.91	0.8-1.04	0.18	0.93
rs10184004	0.99	0.91-1.08	0.86	0.99	1.03	0.9-1.18	0.65	0.94
rs10184839	0.94	0.86-1.04	0.26	0.91	1.09	0.94-1.27	0.24	0.93
rs10189186	0.96	0.88-1.05	0.39	0.91	1.06	0.93-1.21	0.39	0.93
rs10193543	1.00	0.89-1.14	0.97	0.99	1.03	0.86-1.24	0.75	0.96
rs10198275	1.06	0.97-1.16	0.21	0.90	1.17	1.02-1.33	0.02	0.93
rs10199082	0.94	0.81-1.08	0.37	0.91	1.10	0.88-1.38	0.38	0.93
rs10216063	0.99	0.87-1.13	0.90	0.99	1.02	0.84-1.23	0.85	0.98
rs10233127	0.93	0.79-1.09	0.38	0.91	0.93	0.74-1.18	0.56	0.93
rs10245696	1.01	0.92-1.1	0.86	0.99	0.95	0.84-1.09	0.49	0.93
rs10267979	0.97	0.89-1.07	0.57	0.95	0.92	0.8-1.06	0.25	0.93
rs10270950	0.88	0.8-0.96	0.00	0.32	1.01	0.88-1.15	0.89	0.98
rs10274928	0.98	0.89-1.07	0.65	0.95	0.91	0.79-1.05	0.20	0.93
rs1027647	1.00	0.91-1.1	0.96	0.99	0.94	0.82-1.08	0.37	0.93
rs1034906	1.06	0.93-1.2	0.41	0.91	0.88	0.73-1.06	0.19	0.93
rs10407022	1.01	0.9-1.12	0.93	0.99	1.04	0.89-1.23	0.60	0.93
rs10418305	0.86	0.72-1.01	0.07	0.68	0.91	0.71-1.19	0.50	0.93
rs10427021	0.99	0.82-1.19	0.89	0.99	0.98	0.74-1.28	0.86	0.98
rs1043069	1.05	0.96-1.16	0.30	0.91	1.10	0.95-1.26	0.21	0.93
rs10437954	1.05	0.88-1.26	0.56	0.95	1.01	0.77-1.32	0.94	0.99
rs1044822	1.15	1.01-1.31	0.03	0.59	0.92	0.76-1.11	0.39	0.93
rs10448275	1.00	0.91-1.09	0.92	0.99	0.83	0.72-0.95	0.01	0.72
rs10460108	1.00	0.91-1.09	1.00	1.00	0.97	0.85-1.11	0.65	0.94
rs10468291	0.99	0.9-1.08	0.75	0.98	1.02	0.9-1.17	0.75	0.96
rs1047030	0.98	0.88-1.09	0.69	0.97	0.98	0.83-1.15	0.80	0.97
rs10477176	1.02	0.92-1.13	0.73	0.98	1.24	1.06-1.46	0.01	0.73
rs1047891	1.02	0.92-1.12	0.77	0.98	1.05	0.9-1.22	0.53	0.93
rs1047922	0.92	0.74-1.14	0.45	0.92	1.14	0.82-1.57	0.43	0.93
rs10487988	0.96	0.85-1.08	0.47	0.93	1.04	0.88-1.24	0.63	0.94
rs1053711	1.01	0.92-1.11	0.83	0.99	0.99	0.86-1.14	0.92	0.98
rs1055144	0.91	0.81-1.03	0.13	0.87	1.08	0.91-1.28	0.39	0.93
rs1060105	0.97	0.87-1.08	0.61	0.95	0.91	0.77-1.07	0.25	0.93
rs1063281	1.02	0.93-1.11	0.68	0.96	1.05	0.92-1.2	0.48	0.93
rs10743086	1.06	0.95-1.18	0.33	0.91	1.04	0.88-1.22	0.67	0.95
rs10747570	1.11	1.01-1.22	0.03	0.59	1.04	0.9-1.2	0.57	0.93
rs10751962	1.04	0.84-1.29	0.70	0.97	1.04	0.76-1.44	0.80	0.97
rs10760117	0.98	0.89-1.07	0.59	0.95	1.02	0.9-1.17	0.71	0.96
rs10760260	1.11	0.97-1.27	0.12	0.84	1.12	0.92-1.35	0.26	0.93
rs10761530	1.05	0.96-1.15	0.29	0.91	1.03	0.9-1.17	0.69	0.95
rs10765211	1.00	0.92-1.1	0.98	0.99	0.93	0.81-1.06	0.27	0.93
rs10766533	0.94	0.84-1.04	0.20	0.90	0.94	0.81-1.1	0.45	0.93
rs10778174	0.98	0.88-1.1	0.75	0.98	1.05	0.89-1.25	0.53	0.93
rs10779936	0.92	0.83-1.01	0.07	0.68	0.94	0.82-1.08	0.39	0.93
rs10782230	1.04	0.95-1.14	0.35	0.91	0.94	0.82-1.07	0.35	0.93
rs10784502	1.00	0.92-1.09	1.00	1.00	1.14	1-1.3	0.05	0.93
rs10823136	1.14	0.96-1.36	0.13	0.88	0.94	0.72-1.23	0.65	0.94
rs10826995	0.92	0.83-1.03	0.15	0.89	1.04	0.89-1.22	0.62	0.94
rs10830959	1.04	0.95-1.15	0.40	0.91	0.96	0.84-1.11	0.62	0.94
rs10830963	1.06	0.96-1.16	0.27	0.91	0.97	0.84-1.12	0.68	0.95
rs10838433	0.95	0.86-1.05	0.28	0.91	1.06	0.91-1.22	0.47	0.93
rs10849594	1.03	0.92-1.16	0.56	0.95	1.13	0.96-1.33	0.15	0.93
rs10850411	1.05	0.96-1.15	0.29	0.91	1.05	0.92-1.21	0.47	0.93
rs10858966	0.93	0.85-1.03	0.17	0.89	0.94	0.82-1.09	0.40	0.93
rs10859580	1.02	0.94-1.12	0.59	0.95	1.08	0.95-1.24	0.25	0.93

rs10864859	1.08	0.9-1.29	0.40	0.91	1.12	0.86-1.46	0.41	0.93
rs10887914	1.08	0.99-1.18	0.07	0.68	1.04	0.91-1.19	0.54	0.93
rs10906391	0.97	0.89-1.07	0.56	0.95	0.92	0.8-1.06	0.23	0.93
rs10913934	1.00	0.91-1.1	0.98	1.00	0.92	0.8-1.05	0.20	0.93
rs10916082	1.00	0.9-1.1	0.94	0.99	0.97	0.83-1.13	0.69	0.95
rs1091811	1.02	0.91-1.16	0.72	0.98	1.06	0.88-1.27	0.54	0.93
rs10922502*	1.01	0.92-1.11	0.80	0.98	0.92	0.8-1.06	0.27	0.93
rs10923038	1.12	1.01-1.23	0.02	0.56	0.95	1.02-1.09	0.47	0.93
rs10956797	0.94	0.86-1.04	0.22	0.90	0.93	0.8-1.07	0.29	0.93
rs10958717	1.08	0.99-1.18	0.09	0.76	0.95	0.83-1.09	0.50	0.93
rs10982910	0.99	0.82-1.2	0.91	0.99	0.87	0.66-1.15	0.34	0.93
rs1098708	1.03	0.95-1.13	0.48	0.93	1.00	0.88-1.14	0.94	0.99
rs10995311	1.05	0.96-1.14	0.31	0.91	0.94	0.82-1.07	0.36	0.93
rs10998362	1.03	0.93-1.14	0.52	0.95	1.03	0.88-1.19	0.73	0.96
rs11008355	0.97	0.86-1.09	0.62	0.95	1.01	0.84-1.2	0.94	0.99
rs11010905	1.06	0.97-1.15	0.22	0.90	1.00	0.88-1.14	0.98	0.99
rs11021221	0.94	0.84-1.06	0.31	0.91	0.97	0.81-1.15	0.70	0.95
rs11026586	1.03	0.89-1.21	0.67	0.96	1.00	0.8-1.26	0.98	0.99
rs11031051	0.98	0.89-1.08	0.67	0.96	1.10	0.95-1.27	0.20	0.93
rs110419	1.06	0.97-1.16	0.19	0.90	0.99	0.87-1.13	0.88	0.98
rs1106243	1.02	0.93-1.12	0.69	0.97	1.02	0.89-1.17	0.74	0.96
rs11072518	1.18	1.08-1.3	0.00	0.11	1.06	0.92-1.22	0.43	0.93
rs11080134	1.05	0.96-1.15	0.31	0.91	1.01	0.87-1.16	0.94	0.99
rs11102916	1.05	0.81-1.36	0.74	0.98	0.84	0.56-1.25	0.40	0.93
rs11108209	1.01	0.86-1.19	0.89	0.99	0.99	0.77-1.26	0.91	0.98
rs11112548	0.87	0.66-1.13	0.29	0.91	0.82	0.55-1.23	0.33	0.93
rs11128722	1.10	1-1.22	0.05	0.64	1.06	0.92-1.23	0.44	0.93
rs111304266	1.09	0.83-1.43	0.56	0.95	0.99	0.65-1.5	0.96	0.99
rs11139596	0.93	0.82-1.06	0.27	0.91	0.94	0.78-1.12	0.48	0.93
rs11141731	1.09	0.98-1.22	0.11	0.84	1.11	0.95-1.3	0.20	0.93
rs11145807	1.08	0.98-1.18	0.12	0.84	1.04	0.91-1.2	0.54	0.93
rs11154027	1.07	0.98-1.18	0.13	0.88	0.98	0.86-1.13	0.83	0.98
rs11154334	1.02	0.93-1.12	0.71	0.98	0.94	0.82-1.08	0.38	0.93
rs111630016	0.94	0.78-1.14	0.55	0.95	0.92	0.69-1.24	0.59	0.93
rs11168244	1.06	0.95-1.19	0.29	0.91	1.02	0.86-1.2	0.85	0.98
rs111777102	1.07	0.87-1.33	0.51	0.95	1.01	0.73-1.4	0.95	0.99
rs111790405	1.21	0.93-1.6	0.16	0.89	1.20	0.79-1.81	0.39	0.93
rs111791351	1.01	0.88-1.16	0.91	0.99	1.09	0.89-1.34	0.38	0.93
rs11187142	1.00	0.84-1.2	0.99	1.00	0.78	0.59-1.02	0.07	0.93
rs11191156	1.07	0.98-1.18	0.14	0.88	1.05	0.92-1.21	0.46	0.93
rs11197813	1.07	0.97-1.19	0.17	0.89	1.13	0.97-1.32	0.11	0.93
rs11210029	0.94	0.86-1.03	0.17	0.89	1.00	0.87-1.14	0.94	0.99
rs112204826	1.04	0.79-1.38	0.77	0.98	1.33	0.87-2.03	0.18	0.93
rs11222084	1.06	0.96-1.16	0.25	0.91	0.95	0.83-1.09	0.48	0.93
rs11222386	1.01	0.91-1.14	0.80	0.98	1.15	0.97-1.35	0.11	0.93
rs112260610	1.00	0.88-1.13	0.99	1.00	1.00	0.83-1.21	0.97	0.99
rs112280096	1.05	0.95-1.17	0.33	0.91	1.04	0.89-1.21	0.65	0.94
rs1124235	1.05	0.93-1.19	0.40	0.91	1.07	0.89-1.28	0.49	0.93
rs11248862	0.98	0.83-1.15	0.78	0.98	1.02	0.8-1.3	0.89	0.98
rs112557609	1.03	0.94-1.14	0.53	0.95	0.82	0.7-0.94	0.01	0.72
rs11256837	0.94	0.84-1.06	0.33	0.91	1.01	0.85-1.2	0.87	0.98
rs1126464	0.97	0.88-1.07	0.59	0.95	1.06	0.91-1.23	0.46	0.93
rs112875651	1.06	0.96-1.16	0.25	0.91	0.96	0.83-1.09	0.52	0.93
rs112925537	0.90	0.81-1	0.04	0.61	0.98	0.84-1.15	0.79	0.97
rs113134141	1.01	0.84-1.22	0.91	0.99	0.84	0.64-1.12	0.24	0.93
rs113161639	0.97	0.8-1.16	0.71	0.98	0.93	0.7-1.23	0.61	0.93
rs1133400	1.03	0.92-1.16	0.59	0.95	1.01	0.85-1.2	0.94	0.99
rs114407963	1.03	0.88-1.2	0.73	0.98	1.00	0.79-1.26	1.00	1.00
rs11442819	1.01	0.88-1.15	0.89	0.99	1.05	0.86-1.28	0.62	0.94
rs114503346	0.85	0.67-1.08	0.18	0.90	0.96	0.67-1.39	0.84	0.98
rs114534	1.09	1-1.19	0.06	0.66	1.03	0.9-1.18	0.63	0.94
rs11486794	0.95	0.83-1.09	0.46	0.92	1.00	0.82-1.23	0.97	0.99
rs115172170	1.13	0.88-1.45	0.35	0.91	1.14	0.78-1.65	0.51	0.93
rs115231027	1.08	0.96-1.21	0.19	0.90	1.02	0.86-1.21	0.80	0.97
rs1152958	1.01	0.91-1.11	0.89	0.99	0.99	0.85-1.15	0.87	0.98
rs1154214	0.98	0.9-1.07	0.70	0.97	1.09	0.96-1.25	0.19	0.93
rs11556924	1.07	0.98-1.16	0.15	0.89	1.04	0.91-1.19	0.54	0.93
rs11571376	0.98	0.88-1.09	0.72	0.98	1.13	0.96-1.32	0.13	0.93
rs11579440	0.98	0.86-1.12	0.79	0.98	1.01	0.83-1.23	0.93	0.98
rs11585169	1.00	0.92-1.1	0.94	0.99	1.00	0.87-1.14	0.99	0.99
rs1159201	0.95	0.86-1.05	0.29	0.91	0.97	0.84-1.13	0.73	0.96
rs11592107	1.00	0.91-1.11	0.98	0.99	0.95	0.81-1.1	0.47	0.93

rs11592166	1.14	0.99-1.3	0.06	0.66	1.07	0.87-1.3	0.52	0.93
rs11615689	1.11	1-1.24	0.06	0.66	1.22	1.03-1.44	0.02	0.93
rs11622562	1.02	0.93-1.11	0.73	0.98	1.11	0.97-1.28	0.13	0.93
rs11623535	0.99	0.9-1.1	0.85	0.99	1.05	0.9-1.22	0.52	0.93
rs11626434	0.97	0.88-1.06	0.49	0.94	0.91	0.8-1.05	0.19	0.93
rs11627326	1.06	0.95-1.18	0.31	0.91	1.04	0.89-1.22	0.59	0.93
rs11628933	1.04	0.93-1.16	0.45	0.92	1.13	0.96-1.33	0.15	0.93
rs11631778	1.09	0.99-1.2	0.08	0.70	1.04	0.91-1.2	0.54	0.93
rs11632112	1.04	0.94-1.14	0.44	0.92	0.89	0.77-1.02	0.10	0.93
rs11632436	1.01	0.93-1.11	0.75	0.98	0.95	0.83-1.08	0.43	0.93
rs11634028	0.84	0.72-0.98	0.03	0.59	0.95	0.76-1.19	0.68	0.95
rs11636251	1.03	0.94-1.14	0.52	0.95	0.92	0.79-1.07	0.27	0.93
rs11638064	0.99	0.89-1.11	0.86	0.99	0.92	0.78-1.08	0.30	0.93
rs11639856	0.95	0.84-1.08	0.44	0.92	0.99	0.83-1.2	0.95	0.99
rs11641374	1.07	0.98-1.18	0.14	0.88	1.01	0.88-1.16	0.89	0.98
rs11642631	0.99	0.9-1.08	0.82	0.99	1.04	0.91-1.19	0.55	0.93
rs11643209	0.97	0.89-1.07	0.55	0.95	0.96	0.84-1.1	0.58	0.93
rs11665020	1.06	0.96-1.17	0.25	0.91	0.90	0.78-1.04	0.17	0.93
rs11677932	0.94	0.86-1.04	0.23	0.91	0.84	0.73-0.97	0.02	0.90
rs11688682	1.00	0.88-1.13	0.99	1.00	1.01	0.84-1.22	0.92	0.98
rs11689667	1.11	1.02-1.22	0.02	0.49	1.03	0.91-1.18	0.64	0.94
rs11690961	0.99	0.84-1.17	0.93	0.99	1.03	0.81-1.32	0.79	0.97
rs11694601	1.10	1-1.21	0.05	0.64	1.09	0.95-1.25	0.24	0.93
rs11701512	1.05	0.94-1.17	0.41	0.91	0.91	0.77-1.08	0.29	0.93
rs11708647	0.98	0.89-1.07	0.59	0.95	1.03	0.9-1.18	0.69	0.95
rs117204111	1.23	0.88-1.71	0.23	0.91	0.76	0.47-1.21	0.25	0.93
rs11730129	1.00	0.9-1.12	0.98	0.99	0.96	0.81-1.12	0.58	0.93
rs11771693	0.98	0.89-1.08	0.75	0.98	0.98	0.85-1.13	0.76	0.96
rs11774829	1.04	0.91-1.18	0.57	0.95	1.04	0.86-1.26	0.69	0.95
rs117770268	1.14	0.81-1.59	0.45	0.92	0.81	0.49-1.32	0.39	0.93
rs11789875	1.00	0.87-1.14	0.99	1.00	1.14	0.94-1.4	0.19	0.93
rs11876341	1.14	1.03-1.27	0.01	0.43	1.13	0.97-1.32	0.12	0.93
rs11901929	0.99	0.89-1.09	0.77	0.98	0.96	0.82-1.11	0.56	0.93
rs11923667	0.96	0.88-1.05	0.42	0.92	0.94	0.82-1.07	0.36	0.93
rs11977526	1.02	0.93-1.11	0.72	0.98	1.01	0.89-1.16	0.83	0.98
rs11993898	1.00	0.88-1.13	0.95	0.99	1.08	0.9-1.3	0.38	0.93
rs12034319	0.99	0.89-1.11	0.91	0.99	0.81	0.68-0.97	0.02	0.90
rs12037669	1.00	0.87-1.15	0.97	0.99	0.97	0.79-1.19	0.76	0.96
rs12042924	1.01	0.92-1.11	0.77	0.98	0.98	0.86-1.13	0.81	0.97
rs12050260	1.05	0.96-1.15	0.30	0.91	1.08	0.94-1.23	0.28	0.93
rs12052761	1.06	0.97-1.16	0.20	0.90	0.97	0.85-1.11	0.64	0.94
rs1205445	0.91	0.82-1.01	0.07	0.68	0.96	0.83-1.12	0.62	0.93
rs12078697	0.98	0.87-1.1	0.72	0.98	1.06	0.89-1.26	0.54	0.93
rs12088448	1.11	1.01-1.23	0.03	0.59	1.15	0.99-1.33	0.07	0.93
rs12116637	1.01	0.92-1.11	0.82	0.99	1.01	0.87-1.16	0.92	0.98
rs12142296	1.04	0.91-1.18	0.57	0.95	1.21	1-1.46	0.06	0.93
rs12153395	1.04	0.9-1.2	0.60	0.95	0.97	0.79-1.19	0.77	0.97
rs1215469	1.13	1.01-1.26	0.04	0.59	1.13	0.96-1.34	0.15	0.93
rs12172847	0.98	0.89-1.08	0.66	0.96	1.06	0.92-1.23	0.39	0.93
rs12184466	1.12	0.96-1.32	0.15	0.89	0.84	0.66-1.07	0.15	0.93
rs12195276	1.01	0.91-1.12	0.88	0.99	0.90	0.77-1.05	0.18	0.93
rs12206253	1.04	0.9-1.2	0.58	0.95	0.92	0.75-1.14	0.46	0.93
rs12208834	1.02	0.92-1.12	0.72	0.98	0.93	0.8-1.07	0.31	0.93
rs12216497	1.09	1-1.2	0.06	0.66	1.02	0.89-1.17	0.80	0.97
rs12216886	0.96	0.86-1.07	0.45	0.92	0.93	0.79-1.1	0.40	0.93
rs12243859	1.01	0.91-1.12	0.88	0.99	1.03	0.88-1.19	0.74	0.96
rs12247028	1.15	1.02-1.29	0.02	0.51	1.33	1.11-1.59	0.00	0.49
rs12248718	1.02	0.93-1.12	0.65	0.95	1.02	0.89-1.18	0.76	0.96
rs12258967	1.04	0.93-1.16	0.50	0.95	1.08	0.92-1.27	0.34	0.93
rs12286721	1.07	0.98-1.16	0.16	0.89	0.91	0.8-1.04	0.15	0.93
rs1232482	0.96	0.88-1.05	0.40	0.91	1.04	0.91-1.19	0.61	0.93
rs12325702	1.00	0.91-1.1	0.95	0.99	0.99	0.86-1.14	0.91	0.98
rs12405515	1.06	0.97-1.16	0.21	0.90	0.92	0.81-1.05	0.24	0.93
rs12454712	0.95	0.84-1.08	0.42	0.92	0.89	0.74-1.07	0.21	0.93
rs12473688	1.10	1-1.22	0.06	0.66	1.04	0.89-1.21	0.63	0.94
rs12474050	0.97	0.88-1.07	0.60	0.95	1.05	0.91-1.21	0.49	0.93
rs12474446	0.89	0.79-1.01	0.07	0.68	0.92	0.77-1.11	0.37	0.93
rs12485003	0.95	0.8-1.14	0.59	0.95	0.95	0.73-1.24	0.72	0.96
rs1250129	1.01	0.87-1.17	0.93	0.99	1.09	0.88-1.36	0.44	0.93
rs1250259	1.00	0.9-1.11	0.98	0.99	0.88	0.76-1.03	0.11	0.93
rs12504699	0.97	0.89-1.06	0.54	0.95	1.04	0.9-1.18	0.61	0.93
rs12511169	1.04	0.94-1.14	0.46	0.92	1.14	0.99-1.31	0.07	0.93

rs12511987	1.13	1.01-1.26	0.04	0.59	1.07	0.91-1.27	0.42	0.93
rs12515541	1.05	0.95-1.15	0.35	0.91	0.93	0.81-1.08	0.34	0.93
rs12538229	1.01	0.89-1.15	0.89	0.99	0.87	0.72-1.06	0.16	0.93
rs12572586	1.07	0.86-1.33	0.54	0.95	1.11	0.8-1.54	0.54	0.93
rs12574332	1.13	0.98-1.31	0.09	0.75	1.00	0.8-1.24	0.99	0.99
rs12583615	1.11	0.99-1.25	0.08	0.69	1.05	0.88-1.25	0.61	0.93
rs12605156	1.06	0.96-1.18	0.25	0.91	0.84	0.72-0.98	0.02	0.93
rs12606620	1.10	0.98-1.22	0.09	0.75	1.19	1.01-1.4	0.04	0.93
rs1261744	1.04	0.93-1.16	0.50	0.95	0.91	0.77-1.08	0.29	0.93
rs12627651	1.04	0.94-1.14	0.49	0.94	1.02	0.87-1.18	0.84	0.98
rs12630213	1.12	1.02-1.24	0.02	0.55	1.07	0.92-1.23	0.40	0.93
rs12636552	1.01	0.91-1.11	0.90	0.99	0.94	0.82-1.09	0.44	0.93
rs1263671	0.94	0.83-1.06	0.29	0.91	1.04	0.87-1.24	0.69	0.95
rs12638085	1.01	0.92-1.11	0.80	0.98	1.06	0.92-1.22	0.42	0.93
rs12656497*	1.03	0.94-1.13	0.48	0.94	1.05	0.92-1.2	0.48	0.93
rs1265842	0.98	0.89-1.07	0.62	0.95	1.10	0.96-1.25	0.17	0.93
rs12668436	0.99	0.9-1.1	0.88	0.99	0.96	0.83-1.12	0.62	0.94
rs12670854	0.92	0.77-1.11	0.41	0.91	0.91	0.69-1.2	0.50	0.93
rs12694277	1.10	0.99-1.22	0.07	0.68	1.14	0.98-1.33	0.10	0.93
rs12701929	1.07	0.94-1.23	0.30	0.91	0.89	0.73-1.09	0.26	0.93
rs12703989	1.05	0.94-1.18	0.35	0.91	1.09	0.92-1.29	0.30	0.93
rs12705390	1.06	0.95-1.18	0.29	0.91	1.02	0.87-1.2	0.80	0.97
rs1271309	1.16	1.03-1.31	0.02	0.49	1.08	0.91-1.29	0.37	0.93
rs12731740	0.93	0.82-1.06	0.29	0.91	0.98	0.8-1.19	0.81	0.97
rs1275988	1.01	0.92-1.1	0.88	0.99	1.07	0.94-1.22	0.32	0.93
rs12770172	1.03	0.91-1.16	0.64	0.95	1.11	0.93-1.32	0.25	0.93
rs12787709	1.07	0.97-1.17	0.17	0.89	1.14	0.99-1.31	0.07	0.93
rs12807220	0.95	0.87-1.04	0.28	0.91	0.98	0.85-1.12	0.74	0.96
rs12906962*	0.99	0.91-1.09	0.89	0.99	1.07	0.94-1.23	0.30	0.93
rs12916871	1.17	1.06-1.3	0.00	0.32	1.05	0.9-1.22	0.52	0.93
rs12921187	1.02	0.94-1.12	0.62	0.95	1.12	0.98-1.28	0.10	0.93
rs12928482	1.10	0.99-1.21	0.07	0.68	1.15	0.99-1.33	0.06	0.93
rs12946454	1.06	0.96-1.18	0.24	0.91	1.06	0.91-1.23	0.45	0.93
rs12958173	1.05	0.95-1.15	0.34	0.91	1.00	0.87-1.15	0.98	0.99
rs12966571	1.02	0.9-1.15	0.79	0.98	0.94	0.78-1.13	0.50	0.93
rs12979	0.96	0.84-1.1	0.58	0.95	0.96	0.79-1.17	0.71	0.96
rs12982298	1.05	0.95-1.15	0.32	0.91	0.93	0.8-1.07	0.30	0.93
rs12983238	0.99	0.89-1.11	0.89	0.99	1.06	0.9-1.26	0.46	0.93
rs12990959	0.99	0.9-1.08	0.81	0.99	0.97	0.84-1.11	0.62	0.94
rs13001283	1.04	0.93-1.17	0.47	0.93	1.15	0.97-1.37	0.11	0.93
rs13002573	0.98	0.89-1.08	0.75	0.98	0.98	0.85-1.14	0.84	0.98
rs13014371	1.00	0.91-1.09	0.98	0.99	1.00	0.87-1.14	0.95	0.99
rs13024657	1.13	1-1.29	0.05	0.66	1.06	0.87-1.28	0.56	0.93
rs13042148	1.02	0.89-1.16	0.82	0.99	0.87	0.71-1.06	0.18	0.93
rs13050325	0.97	0.87-1.08	0.55	0.95	0.92	0.78-1.07	0.28	0.93
rs13082711	0.95	0.87-1.05	0.34	0.91	1.04	0.9-1.2	0.60	0.93
rs13107325	1.19	0.92-1.55	0.19	0.90	1.15	0.78-1.69	0.49	0.93
rs13112725	1.06	0.93-1.2	0.40	0.91	1.01	0.84-1.21	0.91	0.98
rs13122790	1.02	0.92-1.13	0.68	0.97	0.94	0.81-1.09	0.41	0.93
rs13139571	1.06	0.95-1.18	0.33	0.91	0.87	0.74-1.03	0.11	0.93
rs13163538	0.97	0.86-1.09	0.62	0.95	0.96	0.8-1.14	0.61	0.93
rs13179413	1.00	0.89-1.13	0.98	0.99	0.90	0.75-1.08	0.28	0.93
rs13205180	1.01	0.93-1.11	0.76	0.98	1.03	0.9-1.18	0.64	0.94
rs1322639	0.98	0.87-1.09	0.67	0.96	1.13	0.96-1.33	0.15	0.93
rs13227393	0.99	0.86-1.15	0.94	0.99	1.13	0.91-1.41	0.27	0.93
rs13238550	0.98	0.9-1.07	0.63	0.95	0.93	0.82-1.06	0.29	0.93
rs13253358	1.03	0.93-1.14	0.58	0.95	1.12	0.96-1.3	0.14	0.93
rs13263073	1.06	0.95-1.18	0.29	0.91	1.06	0.91-1.24	0.48	0.93
rs1327235	1.11	1.02-1.21	0.02	0.49	1.08	0.95-1.23	0.27	0.93
rs13288002	0.98	0.89-1.07	0.61	0.95	1.04	0.9-1.19	0.62	0.93
rs13290326	0.99	0.91-1.08	0.86	0.99	0.81	0.71-0.93	0.00	0.49
rs13303	1.04	0.95-1.13	0.39	0.91	1.07	0.93-1.22	0.35	0.93
rs13306561*	1.08	0.97-1.22	0.17	0.90	1.13	0.95-1.34	0.18	0.93
rs1331012	1.15	1.03-1.27	0.01	0.43	0.98	0.84-1.14	0.80	0.97
rs1332813	1.11	1.01-1.21	0.04	0.59	0.99	0.86-1.13	0.87	0.98
rs1333047	0.99	0.9-1.08	0.80	0.98	0.99	0.87-1.14	0.93	0.98
rs13333226*	1.01	0.91-1.13	0.83	0.99	1.07	0.91-1.27	0.39	0.93
rs1334576	0.97	0.89-1.06	0.53	0.95	1.05	0.92-1.2	0.47	0.93
rs13359291	1.02	0.92-1.12	0.74	0.98	0.91	0.78-1.05	0.20	0.93
rs13403122	1.01	0.91-1.12	0.82	0.99	1.03	0.88-1.2	0.71	0.96
rs134041	1.02	0.93-1.11	0.74	0.98	1.02	0.89-1.17	0.78	0.97
rs13420463	1.02	0.92-1.13	0.66	0.95	1.05	0.9-1.22	0.55	0.93

rs1344653	0.98	0.89-1.07	0.60	0.95	1.09	0.95-1.24	0.21	0.93
rs1347345	1.15	1.05-1.25	0.00	0.32	0.90	0.79-1.03	0.13	0.93
rs1350100	1.02	0.94-1.12	0.59	0.95	1.09	0.95-1.24	0.21	0.93
rs1361831	1.01	0.92-1.11	0.83	0.99	1.01	0.88-1.16	0.88	0.98
rs1371182	0.96	0.88-1.05	0.40	0.91	0.93	0.82-1.07	0.31	0.93
rs1378942*	1.14	1.04-1.25	0.01	0.36	1.07	0.93-1.23	0.36	0.93
rs13796	1.02	0.87-1.2	0.78	0.98	1.05	0.83-1.32	0.71	0.96
rs137993948	0.87	0.77-0.97	0.02	0.49	0.86	0.72-1.02	0.08	0.93
rs138650910	1.13	0.94-1.35	0.19	0.90	0.97	0.74-1.27	0.82	0.97
rs138877676	1.15	0.7-1.87	0.58	0.95	1.40	0.66-3.06	0.39	0.93
rs138957616	0.97	0.79-1.19	0.80	0.98	1.04	0.77-1.4	0.80	0.97
rs139354822	1.18	0.97-1.42	0.10	0.77	1.15	0.87-1.52	0.34	0.93
rs139385870	0.98	0.89-1.08	0.65	0.95	0.95	0.83-1.1	0.52	0.93
rs142449193	1.21	0.95-1.55	0.12	0.87	0.75	0.52-1.06	0.10	0.93
rs143112823	0.90	0.73-1.12	0.36	0.91	1.00	0.73-1.39	0.98	0.99
rs1432457	1.01	0.91-1.11	0.91	0.99	0.93	0.8-1.08	0.37	0.93
rs1436206	1.01	0.93-1.1	0.80	0.98	0.95	0.83-1.08	0.42	0.93
rs1438896	1.00	0.91-1.09	0.93	0.99	1.10	0.96-1.26	0.18	0.93
rs144317085	1.13	0.86-1.48	0.38	0.91	0.65	0.43-0.98	0.04	0.93
rs1446468	0.97	0.89-1.06	0.52	0.95	0.94	0.82-1.07	0.32	0.93
rs1449544	1.04	0.95-1.13	0.42	0.92	1.01	0.88-1.15	0.93	0.98
rs1450271	0.99	0.91-1.09	0.90	0.99	1.13	0.98-1.29	0.08	0.93
rs1468520	0.97	0.87-1.09	0.65	0.95	1.08	0.92-1.27	0.35	0.93
rs1475130	1.02	0.93-1.12	0.70	0.97	0.97	0.84-1.11	0.65	0.94
rs147696085	1.08	0.92-1.25	0.34	0.91	1.07	0.86-1.34	0.55	0.93
rs1486236	1.00	0.91-1.1	0.98	0.99	0.99	0.86-1.14	0.90	0.98
rs1489110	0.97	0.88-1.07	0.57	0.95	1.04	0.9-1.2	0.59	0.93
rs150816167	0.89	0.68-1.16	0.39	0.91	0.95	0.64-1.4	0.79	0.97
rs151054210	1.03	0.92-1.15	0.65	0.95	0.94	0.79-1.11	0.48	0.93
rs1530440	1.06	0.94-1.19	0.36	0.91	1.01	0.85-1.21	0.87	0.98
rs1544935	0.87	0.79-0.96	0.01	0.39	1.00	0.86-1.17	0.97	0.99
rs1551355	1.09	0.97-1.23	0.14	0.88	1.05	0.88-1.25	0.58	0.93
rs1565716	1.10	0.91-1.31	0.33	0.91	1.13	0.86-1.49	0.38	0.93
rs1566497	1.00	0.91-1.09	0.92	0.99	1.10	0.96-1.26	0.16	0.93
rs1570350	1.03	0.94-1.12	0.59	0.95	0.95	0.83-1.09	0.45	0.93
rs157678	1.12	1-1.24	0.05	0.64	0.98	0.84-1.16	0.84	0.98
rs1607644	1.00	0.91-1.09	0.97	0.99	0.92	0.8-1.05	0.21	0.93
rs1620668	0.98	0.89-1.09	0.73	0.98	1.14	0.98-1.33	0.09	0.93
rs1630266	0.95	0.79-1.15	0.60	0.95	1.14	0.86-1.51	0.36	0.93
rs1630736	1.01	0.9-1.12	0.92	0.99	1.04	0.89-1.22	0.62	0.93
rs1646010	0.93	0.84-1.04	0.21	0.90	0.98	0.84-1.15	0.81	0.97
rs167479	1.06	0.97-1.16	0.17	0.90	1.04	0.92-1.19	0.53	0.93
rs16823124	1.02	0.93-1.12	0.70	0.97	1.08	0.94-1.25	0.28	0.93
rs16851397	1.09	0.86-1.37	0.48	0.94	1.46	1.03-2.09	0.04	0.93
rs168643	1.07	0.97-1.18	0.16	0.89	1.04	0.9-1.2	0.58	0.93
rs169080	0.98	0.89-1.09	0.73	0.98	0.97	0.83-1.13	0.68	0.95
rs169287	1.00	0.89-1.11	0.93	0.99	1.14	0.97-1.35	0.12	0.93
rs1694068	1.00	0.91-1.09	0.97	0.99	1.05	0.92-1.2	0.49	0.93
rs16948048	1.03	0.94-1.13	0.49	0.94	1.09	0.95-1.25	0.20	0.93
rs16954120	1.05	0.87-1.26	0.62	0.95	0.70	0.53-0.93	0.01	0.85
rs16998073*	1.05	0.95-1.15	0.34	0.91	1.15	1-1.33	0.05	0.93
rs17010957	0.94	0.84-1.06	0.31	0.91	0.97	0.82-1.15	0.73	0.96
rs17035181	1.05	0.92-1.21	0.44	0.92	0.91	0.74-1.1	0.32	0.93
rs17046596	1.10	1-1.21	0.05	0.65	0.99	0.86-1.14	0.88	0.98
rs17059668	1.03	0.85-1.24	0.76	0.98	0.95	0.72-1.27	0.75	0.96
rs1706003	1.12	1.01-1.24	0.03	0.58	1.03	0.89-1.2	0.67	0.95
rs17080093	1.13	0.95-1.33	0.16	0.89	1.03	0.81-1.32	0.82	0.97
rs17115145	1.01	0.92-1.11	0.77	0.98	1.09	0.95-1.25	0.24	0.93
rs17119370	0.96	0.86-1.06	0.41	0.91	1.03	0.88-1.19	0.74	0.96
rs1718845	0.95	0.86-1.05	0.29	0.91	1.21	1.05-1.4	0.01	0.83
rs17210898	0.98	0.81-1.18	0.83	0.99	1.01	0.77-1.35	0.92	0.98
rs17224476	1.23	1.03-1.48	0.02	0.56	1.10	0.84-1.45	0.49	0.93
rs1722886	0.96	0.88-1.05	0.36	0.91	1.03	0.9-1.18	0.64	0.94
rs17248480	1.12	0.67-1.86	0.67	0.96	1.05	0.5-2.24	0.91	0.98
rs17286052	1.04	0.9-1.21	0.57	0.95	0.99	0.79-1.23	0.90	0.98
rs17287293	0.99	0.88-1.12	0.93	0.99	0.96	0.79-1.15	0.64	0.94
rs17355629	0.99	0.82-1.18	0.87	0.99	1.11	0.84-1.45	0.47	0.93
rs17396055	1.06	0.96-1.16	0.28	0.91	0.96	0.83-1.1	0.54	0.93
rs17423264	1.22	1-1.5	0.05	0.64	1.13	0.84-1.52	0.41	0.93
rs17454517	0.98	0.9-1.07	0.64	0.95	0.89	0.78-1.01	0.07	0.93
rs17471509	0.96	0.88-1.05	0.37	0.91	1.04	0.91-1.19	0.54	0.93
rs17516329	1.04	0.94-1.14	0.47	0.93	1.09	0.95-1.26	0.22	0.93

rs17608766	1.06	0.93-1.21	0.37	0.91	1.02	0.83-1.24	0.87	0.98
rs17617337	0.97	0.87-1.07	0.53	0.95	0.94	0.81-1.1	0.44	0.93
rs1761870	1.02	0.91-1.14	0.75	0.98	1.21	1.03-1.43	0.02	0.90
rs17638167	1.13	0.87-1.47	0.35	0.91	0.97	0.66-1.44	0.89	0.98
rs17720594	0.95	0.64-1.38	0.77	0.98	1.00	0.57-1.78	1.00	1.00
rs177992	0.95	0.87-1.04	0.27	0.91	1.06	0.93-1.22	0.38	0.93
rs17804358	1.02	0.93-1.12	0.67	0.96	1.07	0.93-1.23	0.33	0.93
rs17831815	0.96	0.88-1.05	0.40	0.91	0.99	0.86-1.14	0.87	0.98
rs17880989	1.24	1.02-1.51	0.03	0.59	1.06	0.78-1.43	0.72	0.96
rs1799945*	1.10	0.96-1.26	0.16	0.89	1.14	0.93-1.39	0.21	0.93
rs1801253	1.15	1.04-1.27	0.01	0.36	0.95	0.82-1.1	0.53	0.93
rs1813353*	1.03	0.93-1.14	0.61	0.95	1.08	0.93-1.26	0.29	0.93
rs1821295	1.00	0.9-1.1	0.92	0.99	1.06	0.92-1.22	0.40	0.93
rs1837164	0.90	0.82-0.98	0.02	0.51	0.98	0.86-1.12	0.82	0.97
rs1840221	1.06	0.95-1.19	0.32	0.91	0.95	0.8-1.13	0.58	0.93
rs184457	1.10	1-1.22	0.05	0.64	1.03	0.89-1.2	0.66	0.94
rs1848510	1.01	0.92-1.11	0.81	0.98	1.07	0.94-1.23	0.31	0.93
rs185819	1.07	0.98-1.17	0.12	0.84	1.10	0.97-1.25	0.14	0.93
rs1861881	0.97	0.88-1.07	0.53	0.95	0.85	0.74-0.99	0.03	0.93
rs1869800	1.01	0.92-1.1	0.85	0.99	0.99	0.86-1.13	0.86	0.98
rs1870123	0.96	0.87-1.06	0.41	0.91	1.07	0.93-1.23	0.36	0.93
rs1870735	1.05	0.95-1.15	0.34	0.91	0.94	0.82-1.09	0.42	0.93
rs1876487	1.05	0.95-1.16	0.35	0.91	1.07	0.92-1.25	0.36	0.93
rs1878406	1.04	0.9-1.2	0.57	0.95	1.12	0.91-1.39	0.29	0.93
rs1878825	1.03	0.94-1.13	0.47	0.93	0.92	0.8-1.05	0.21	0.93
rs1882289	1.06	0.93-1.21	0.36	0.91	1.03	0.84-1.25	0.79	0.97
rs188911122	0.92	0.68-1.25	0.61	0.95	1.12	0.72-1.74	0.60	0.93
rs1891730	0.97	0.88-1.06	0.52	0.95	1.16	1.01-1.33	0.03	0.93
rs189267552	0.95	0.64-1.39	0.78	0.98	1.15	0.64-2.09	0.64	0.94
rs189593992	1.06	0.85-1.32	0.61	0.95	1.04	0.75-1.44	0.81	0.97
rs190194639	0.92	0.79-1.07	0.28	0.91	1.02	0.82-1.27	0.85	0.98
rs191784289	1.18	0.91-1.52	0.21	0.90	1.21	0.82-1.79	0.33	0.93
rs1923409	0.96	0.88-1.05	0.39	0.91	1.04	0.91-1.19	0.55	0.93
rs1925153	1.00	0.92-1.09	0.98	0.99	0.90	0.8-1.03	0.12	0.93
rs1938598	1.02	0.91-1.13	0.78	0.98	1.21	1.03-1.42	0.02	0.90
rs1947228	0.97	0.89-1.06	0.55	0.95	1.00	0.87-1.14	0.98	0.99
rs1966203	1.03	0.94-1.12	0.60	0.95	1.14	1-1.31	0.05	0.93
rs1966323	1.02	0.93-1.12	0.64	0.95	1.09	0.95-1.26	0.19	0.93
rs1975487	1.04	0.95-1.13	0.43	0.92	0.97	0.84-1.1	0.60	0.93
rs1986971	0.98	0.89-1.08	0.65	0.95	1.04	0.9-1.21	0.57	0.93
rs198823	1.06	0.96-1.16	0.24	0.91	1.11	0.96-1.27	0.15	0.93
rs1996992	1.14	0.91-1.42	0.25	0.91	0.97	0.71-1.35	0.87	0.98
rs2004776*	1.07	0.96-1.18	0.22	0.90	0.95	0.81-1.11	0.52	0.93
rs2005950	1.06	0.92-1.22	0.42	0.92	0.97	0.79-1.18	0.74	0.96
rs200688233	0.98	0.89-1.09	0.75	0.98	0.88	0.76-1.02	0.10	0.93
rs2009733	0.95	0.87-1.04	0.27	0.91	1.15	1.01-1.32	0.04	0.93
rs2012071	1.06	0.97-1.17	0.18	0.90	1.01	0.88-1.16	0.88	0.98
rs2012714	1.00	0.91-1.09	0.97	0.99	1.04	0.91-1.19	0.52	0.93
rs2014408	1.06	0.94-1.19	0.36	0.91	0.98	0.83-1.17	0.85	0.98
rs2014912	0.90	0.8-1	0.06	0.66	1.00	0.85-1.18	0.98	0.99
rs2024385	1.01	0.91-1.12	0.89	0.99	1.14	0.98-1.33	0.09	0.93
rs2034618	1.03	0.93-1.15	0.56	0.95	0.91	0.78-1.06	0.24	0.93
rs20354	1.02	0.87-1.18	0.84	0.99	1.00	0.8-1.25	0.98	0.99
rs2049814	0.98	0.89-1.07	0.59	0.95	0.93	0.81-1.06	0.27	0.93
rs2050663	1.05	0.96-1.15	0.26	0.91	1.00	0.87-1.14	0.96	0.99
rs2065152	1.04	0.95-1.14	0.43	0.92	0.96	0.84-1.1	0.57	0.93
rs2069833	1.07	0.98-1.17	0.13	0.88	1.03	0.9-1.17	0.70	0.95
rs2071518	0.94	0.85-1.04	0.25	0.91	1.05	0.9-1.22	0.55	0.93
rs2075665	0.99	0.9-1.08	0.74	0.98	0.97	0.85-1.11	0.69	0.95
rs210156	0.96	0.87-1.05	0.34	0.91	1.05	0.91-1.21	0.49	0.93
rs210314	0.98	0.9-1.07	0.70	0.97	0.97	0.85-1.1	0.61	0.93
rs2107595	1.04	0.93-1.17	0.46	0.93	1.15	0.97-1.37	0.10	0.93
rs2139629	0.98	0.87-1.11	0.80	0.98	1.09	0.91-1.31	0.36	0.93
rs2142141	0.96	0.88-1.05	0.39	0.91	0.98	0.86-1.12	0.77	0.97
rs2143635	1.06	0.91-1.23	0.49	0.94	1.08	0.86-1.36	0.48	0.93
rs2162003	1.00	0.91-1.09	0.94	0.99	0.99	0.86-1.14	0.93	0.98
rs2165197	1.00	0.91-1.09	0.92	0.99	0.94	0.82-1.07	0.33	0.93
rs2166122	1.13	1-1.29	0.05	0.64	1.19	0.99-1.42	0.07	0.93
rs2171690	0.98	0.9-1.08	0.74	0.98	0.94	0.82-1.07	0.34	0.93
rs2178452	0.97	0.89-1.06	0.54	0.95	1.01	0.89-1.16	0.85	0.98
rs2187668	1.09	0.95-1.26	0.22	0.90	1.25	1.01-1.55	0.04	0.93
rs2188962	1.03	0.94-1.12	0.59	0.95	0.97	0.85-1.11	0.66	0.94

rs220249	1.00	0.92-1.1	0.98	0.99	0.94	0.82-1.07	0.35	0.93
rs2205260	0.95	0.84-1.07	0.38	0.91	0.91	0.76-1.08	0.29	0.93
rs2215590	0.98	0.88-1.08	0.64	0.95	0.98	0.84-1.15	0.80	0.97
rs2222544	1.00	0.91-1.11	0.92	0.99	1.07	0.92-1.25	0.36	0.93
rs223361	1.04	0.95-1.15	0.40	0.91	1.05	0.91-1.21	0.52	0.93
rs2236973	1.05	0.93-1.19	0.41	0.91	1.08	0.9-1.3	0.41	0.93
rs2240736	1.01	0.92-1.12	0.79	0.98	0.96	0.83-1.11	0.55	0.93
rs2244643	1.04	0.94-1.14	0.45	0.92	1.10	0.95-1.28	0.18	0.93
rs2246438	0.93	0.84-1.02	0.14	0.88	1.05	0.91-1.22	0.50	0.93
rs2270860	1.05	0.95-1.16	0.36	0.91	1.09	0.93-1.26	0.28	0.93
rs2277788	0.91	0.78-1.06	0.21	0.90	0.89	0.71-1.12	0.32	0.93
rs2280861	1.03	0.93-1.15	0.56	0.95	1.10	0.93-1.29	0.26	0.93
rs2282978	0.92	0.84-1.01	0.09	0.75	1.08	0.94-1.25	0.28	0.93
rs2289081	1.07	0.97-1.18	0.18	0.90	0.94	0.82-1.09	0.43	0.93
rs2289125	0.95	0.85-1.05	0.31	0.91	0.90	0.77-1.05	0.19	0.93
rs2290273	1.02	0.93-1.12	0.66	0.95	0.93	0.81-1.06	0.29	0.93
rs2291435	1.05	0.96-1.16	0.26	0.91	0.97	0.85-1.12	0.71	0.96
rs2300481	1.03	0.94-1.13	0.52	0.95	0.97	0.85-1.12	0.68	0.95
rs2302061	1.18	1.01-1.37	0.03	0.59	1.07	0.85-1.35	0.55	0.93
rs2304130	0.96	0.82-1.13	0.62	0.95	0.99	0.79-1.24	0.91	0.98
rs2306374	0.99	0.88-1.12	0.87	0.99	1.06	0.89-1.26	0.53	0.93
rs231708	0.97	0.88-1.07	0.55	0.95	1.00	0.87-1.15	0.98	0.99
rs2325885	0.90	0.81-0.99	0.04	0.59	0.82	0.7-0.96	0.01	0.85
rs2354862	1.14	1.03-1.25	0.01	0.39	0.97	0.84-1.11	0.63	0.94
rs2360970	1.04	0.95-1.14	0.40	0.91	1.15	1-1.33	0.04	0.93
rs2379829	1.01	0.91-1.12	0.85	0.99	0.93	0.8-1.08	0.36	0.93
rs2384550	1.02	0.93-1.11	0.70	0.97	0.99	0.86-1.13	0.84	0.98
rs2390258	1.08	0.97-1.2	0.14	0.89	1.13	0.97-1.32	0.11	0.93
rs2393455	0.96	0.88-1.06	0.44	0.92	1.06	0.92-1.22	0.43	0.93
rs2400509	0.98	0.89-1.09	0.77	0.98	0.88	0.76-1.02	0.08	0.93
rs2404715	1.00	0.85-1.17	0.97	0.99	1.07	0.84-1.37	0.56	0.93
rs2424908	0.96	0.86-1.07	0.44	0.92	0.92	0.79-1.07	0.27	0.93
rs2428939	1.05	0.95-1.15	0.35	0.91	0.90	0.78-1.03	0.12	0.93
rs2440907	0.97	0.89-1.06	0.55	0.95	1.02	0.89-1.16	0.77	0.97
rs2450128	0.97	0.87-1.08	0.58	0.95	0.94	0.8-1.1	0.44	0.93
rs2467099	1.09	0.97-1.23	0.13	0.87	1.07	0.91-1.27	0.42	0.93
rs246973	1.05	0.95-1.16	0.38	0.91	1.12	0.96-1.3	0.15	0.93
rs2480171	1.00	0.88-1.14	1.00	1.00	1.06	0.88-1.28	0.51	0.93
rs2493134	1.03	0.94-1.13	0.52	0.95	0.99	0.86-1.14	0.90	0.98
rs2493292	0.98	0.88-1.1	0.73	0.98	1.15	0.97-1.36	0.10	0.93
rs2494184	1.00	0.92-1.1	0.94	0.99	1.04	0.91-1.18	0.59	0.93
rs2498323	0.93	0.77-1.12	0.43	0.92	0.96	0.73-1.25	0.76	0.97
rs2504776	0.99	0.84-1.17	0.95	0.99	0.97	0.76-1.24	0.79	0.97
rs2530225	1.04	0.95-1.13	0.43	0.92	0.92	0.81-1.05	0.23	0.93
rs255299	0.96	0.87-1.05	0.32	0.91	1.13	0.99-1.3	0.07	0.93
rs256837	1.02	0.91-1.13	0.78	0.98	0.98	0.83-1.15	0.78	0.97
rs256904	0.97	0.87-1.07	0.53	0.95	1.02	0.87-1.18	0.83	0.98
rs2569842	1.08	0.98-1.19	0.11	0.84	0.96	0.83-1.11	0.61	0.93
rs2579503	0.99	0.9-1.09	0.88	0.99	1.09	0.95-1.26	0.20	0.93
rs2579519	1.04	0.94-1.14	0.46	0.92	0.91	0.79-1.05	0.19	0.93
rs2581468	0.96	0.86-1.08	0.53	0.95	1.02	0.86-1.22	0.80	0.97
rs2585810	1.12	1.02-1.23	0.02	0.49	1.06	0.92-1.22	0.45	0.93
rs2594992	1.03	0.94-1.13	0.52	0.95	0.95	0.83-1.08	0.42	0.93
rs260508	1.06	0.97-1.16	0.21	0.90	0.89	0.78-1.01	0.08	0.93
rs2610990	1.01	0.92-1.12	0.79	0.98	0.91	0.79-1.06	0.22	0.93
rs2613765	0.98	0.89-1.07	0.63	0.95	1.01	0.88-1.17	0.85	0.98
rs2618647	1.00	0.91-1.09	0.94	0.99	1.06	0.93-1.21	0.36	0.93
rs2629665	0.94	0.86-1.03	0.19	0.90	0.89	0.78-1.02	0.09	0.93
rs262986	1.04	0.95-1.14	0.35	0.91	0.99	0.87-1.14	0.93	0.98
rs2631669	0.98	0.9-1.07	0.64	0.95	0.98	0.86-1.12	0.79	0.97
rs2645466	1.04	0.95-1.14	0.37	0.91	1.07	0.93-1.23	0.34	0.93
rs2656523	0.85	0.74-0.96	0.01	0.43	1.04	0.86-1.27	0.68	0.95
rs267539	1.01	0.93-1.11	0.75	0.98	1.07	0.94-1.23	0.29	0.93
rs267540	0.99	0.91-1.09	0.91	0.99	1.01	0.88-1.15	0.94	0.99
rs2681492*	1.07	0.93-1.22	0.37	0.91	1.07	0.88-1.32	0.49	0.93
rs2688716	0.97	0.85-1.09	0.59	0.95	1.02	0.85-1.23	0.84	0.98
rs2706110	1.05	0.94-1.17	0.38	0.91	1.06	0.9-1.25	0.48	0.93
rs2707238	1.07	0.97-1.19	0.17	0.90	1.02	0.88-1.19	0.76	0.96
rs2729835	1.04	0.94-1.14	0.46	0.92	0.93	0.81-1.07	0.32	0.93
rs273957	0.99	0.91-1.09	0.88	0.99	1.01	0.88-1.16	0.87	0.98
rs2745599	1.06	0.97-1.15	0.22	0.91	0.99	0.87-1.13	0.92	0.98
rs2760061	1.05	0.96-1.15	0.31	0.91	1.03	0.91-1.18	0.62	0.94

rs2761436	0.97	0.89-1.06	0.54	0.95	1.07	0.93-1.22	0.34	0.93
rs2780841	0.97	0.88-1.07	0.53	0.95	1.01	0.87-1.17	0.92	0.98
rs2782980	1.07	0.98-1.18	0.14	0.88	0.89	0.78-1.03	0.12	0.93
rs2807337	1.03	0.94-1.12	0.56	0.95	0.95	0.83-1.09	0.50	0.93
rs2820443	1.03	0.93-1.13	0.59	0.95	0.95	0.82-1.1	0.50	0.93
rs28362590	1.00	0.9-1.1	0.94	0.99	1.01	0.86-1.18	0.91	0.98
rs28377357	1.01	0.92-1.11	0.77	0.98	0.97	0.84-1.11	0.65	0.94
rs28451064	1.04	0.9-1.2	0.56	0.95	0.91	0.73-1.13	0.40	0.93
rs28470843	1.00	0.91-1.1	0.96	0.99	1.08	0.94-1.25	0.26	0.93
rs2848657	1.04	0.85-1.27	0.70	0.97	1.21	0.9-1.63	0.20	0.93
rs28499085	1.01	0.92-1.12	0.79	0.98	1.03	0.89-1.19	0.73	0.96
rs28558491	0.95	0.86-1.05	0.31	0.91	1.09	0.94-1.26	0.24	0.93
rs28558845	0.88	0.75-1.04	0.13	0.87	0.89	0.7-1.13	0.34	0.93
rs28578714	1.01	0.92-1.1	0.87	0.99	1.03	0.9-1.17	0.71	0.96
rs28594215	1.01	0.93-1.11	0.77	0.98	1.07	0.94-1.23	0.30	0.93
rs28663144	1.19	0.85-1.68	0.31	0.91	0.72	0.41-1.24	0.24	0.93
rs28667801	1.04	0.95-1.15	0.39	0.91	1.01	0.87-1.17	0.93	0.98
rs28675079	0.99	0.89-1.1	0.83	0.99	1.02	0.87-1.2	0.82	0.97
rs286809	1.04	0.93-1.17	0.46	0.92	1.06	0.9-1.26	0.45	0.93
rs2891546	1.13	0.96-1.34	0.15	0.89	0.91	0.71-1.16	0.44	0.93
rs2898290	1.05	0.96-1.14	0.33	0.91	1.10	0.96-1.25	0.18	0.93
rs2899463	0.96	0.88-1.05	0.34	0.91	0.97	0.85-1.11	0.66	0.94
rs2914609	0.93	0.81-1.06	0.26	0.91	1.04	0.85-1.26	0.71	0.96
rs2920899	1.07	0.97-1.19	0.19	0.90	0.93	0.79-1.08	0.33	0.93
rs2922895	1.03	0.94-1.12	0.58	0.95	1.05	0.92-1.2	0.46	0.93
rs2929184	1.07	0.96-1.2	0.20	0.90	1.02	0.87-1.19	0.82	0.97
rs2932538	1.05	0.95-1.16	0.35	0.91	1.00	0.86-1.16	1.00	1.00
rs2949837	1.05	0.94-1.18	0.36	0.91	1.03	0.87-1.21	0.73	0.96
rs296797	0.98	0.89-1.07	0.60	0.95	0.94	0.82-1.08	0.38	0.93
rs2969070	1.10	1-1.21	0.05	0.64	0.99	0.86-1.14	0.91	0.98
rs2971669	0.94	0.84-1.05	0.25	0.91	0.99	0.84-1.16	0.87	0.98
rs2972146	1.07	0.98-1.16	0.15	0.89	1.06	0.93-1.21	0.38	0.93
rs2972207	0.91	0.8-1.04	0.17	0.89	1.11	0.91-1.35	0.30	0.93
rs2978098	1.00	0.92-1.1	0.96	0.99	1.01	0.88-1.15	0.88	0.98
rs2978456	0.94	0.83-1.05	0.26	0.91	1.06	0.89-1.26	0.51	0.93
rs2979470	1.02	0.94-1.12	0.60	0.95	0.91	0.79-1.03	0.14	0.93
rs3011549	1.07	0.96-1.18	0.22	0.90	1.11	0.96-1.3	0.16	0.93
rs303343	0.99	0.9-1.09	0.85	0.99	0.96	0.84-1.11	0.60	0.93
rs3121685	1.00	0.92-1.1	0.94	0.99	0.89	0.78-1.02	0.11	0.93
rs3135967	1.03	0.94-1.13	0.47	0.93	0.99	0.87-1.13	0.90	0.98
rs3175	1.00	0.9-1.11	0.99	1.00	1.20	1.02-1.4	0.03	0.93
rs3176336	0.91	0.83-1	0.06	0.66	0.92	0.8-1.06	0.25	0.93
rs3184504	1.12	1.03-1.23	0.01	0.43	0.95	0.84-1.09	0.47	0.93
rs3191402	1.02	0.91-1.14	0.76	0.98	0.90	0.76-1.07	0.23	0.93
rs3218248	1.01	0.73-1.39	0.95	0.99	0.90	0.55-1.45	0.66	0.94
rs33996239	1.34	1.07-1.69	0.01	0.43	1.14	0.83-1.58	0.42	0.93
rs34070447	1.00	0.92-1.1	0.95	0.99	1.03	0.9-1.18	0.67	0.94
rs34072724	1.11	1.02-1.22	0.02	0.49	1.04	0.91-1.19	0.58	0.93
rs34130368	1.19	1.01-1.39	0.04	0.61	0.85	0.68-1.08	0.19	0.93
rs34161718	0.99	0.87-1.13	0.91	0.99	0.98	0.81-1.19	0.85	0.98
rs34163044	1.10	1-1.21	0.05	0.64	0.95	0.83-1.1	0.50	0.93
rs34163229	1.02	0.9-1.16	0.77	0.98	1.13	0.93-1.36	0.22	0.93
rs34294937	1.08	0.97-1.21	0.16	0.89	1.10	0.93-1.3	0.27	0.93
rs342989	1.06	0.95-1.18	0.28	0.91	0.98	0.83-1.15	0.79	0.97
rs34324971	1.14	0.99-1.31	0.08	0.71	0.79	0.64-0.99	0.04	0.93
rs34331990	0.94	0.85-1.03	0.16	0.89	0.96	0.83-1.1	0.52	0.93
rs34413141	1.14	1.01-1.29	0.03	0.59	0.97	0.81-1.16	0.73	0.96
rs34430710	1.01	0.91-1.11	0.91	0.99	1.02	0.88-1.17	0.83	0.98
rs34457140	1.03	0.94-1.14	0.49	0.94	1.05	0.91-1.21	0.52	0.93
rs34489224	1.02	0.91-1.15	0.70	0.97	1.15	0.96-1.37	0.13	0.93
rs34517439	1.09	0.89-1.35	0.40	0.91	1.35	1-1.84	0.05	0.93
rs34570306	1.03	0.94-1.14	0.51	0.95	1.00	0.87-1.15	0.97	0.99
rs34591516	1.38	1.16-1.64	0.00	0.11	1.22	0.93-1.6	0.15	0.93
rs34594435	1.15	1.03-1.28	0.02	0.49	1.00	0.85-1.18	0.96	0.99
rs347591	1.00	0.91-1.1	0.99	1.00	0.92	0.8-1.05	0.22	0.93
rs34783010	0.91	0.82-1.02	0.10	0.79	1.19	1.01-1.4	0.04	0.93
rs34868542	1.10	1-1.21	0.04	0.62	1.03	0.89-1.18	0.73	0.96
rs34872471	1.05	0.94-1.17	0.37	0.91	0.98	0.84-1.15	0.82	0.97
rs34877991	0.94	0.86-1.03	0.21	0.90	0.98	0.86-1.12	0.77	0.97
rs34887403	1.03	0.9-1.17	0.70	0.97	1.08	0.88-1.32	0.46	0.93
rs34941092	0.99	0.87-1.13	0.87	0.99	1.04	0.86-1.27	0.66	0.94
rs34983854	1.04	0.95-1.13	0.45	0.92	0.93	0.81-1.06	0.28	0.93

rs35189230	1.06	0.95-1.18	0.28	0.91	1.10	0.94-1.29	0.23	0.93
rs35199222	1.13	1.03-1.24	0.01	0.39	0.99	0.86-1.13	0.88	0.98
rs35287509	1.09	0.99-1.2	0.08	0.71	0.93	0.81-1.08	0.36	0.93
rs35410524	1.05	0.93-1.2	0.44	0.92	0.85	0.7-1.03	0.10	0.93
rs35444	0.99	0.91-1.09	0.88	0.99	0.92	0.81-1.05	0.24	0.93
rs35450617	0.91	0.83-1.01	0.07	0.68	0.97	0.84-1.12	0.66	0.94
rs35565381	0.98	0.89-1.07	0.62	0.95	1.10	0.96-1.25	0.17	0.93
rs35590893	1.09	0.99-1.2	0.09	0.75	1.06	0.92-1.23	0.40	0.93
rs35654783	0.99	0.9-1.1	0.89	0.99	1.26	1.09-1.47	0.00	0.49
rs356833	1.01	0.91-1.11	0.89	0.99	1.21	1.05-1.41	0.01	0.85
rs356926	0.99	0.89-1.11	0.91	0.99	1.19	1.02-1.41	0.03	0.93
rs357489	1.01	0.91-1.12	0.87	0.99	0.91	0.78-1.06	0.22	0.93
rs35796750	1.05	0.96-1.16	0.25	0.91	0.97	0.85-1.11	0.68	0.95
rs35895680	1.04	0.94-1.15	0.49	0.94	1.06	0.91-1.24	0.46	0.93
rs36010659	0.95	0.83-1.1	0.51	0.95	1.13	0.92-1.39	0.25	0.93
rs360153	1.06	0.97-1.16	0.18	0.90	0.91	0.8-1.05	0.20	0.93
rs36022378	0.95	0.85-1.07	0.41	0.91	1.06	0.9-1.25	0.48	0.93
rs36061333	0.96	0.85-1.08	0.46	0.92	1.10	0.92-1.32	0.28	0.93
rs36083386	0.99	0.86-1.13	0.86	0.99	0.97	0.8-1.18	0.74	0.96
rs36114380	0.99	0.88-1.11	0.84	0.99	0.96	0.81-1.14	0.67	0.94
rs36226649	0.96	0.8-1.15	0.63	0.95	1.00	0.77-1.31	0.99	0.99
rs367700296	1.02	0.92-1.13	0.68	0.97	1.01	0.87-1.18	0.87	0.98
rs3731818	0.95	0.86-1.04	0.28	0.91	1.02	0.89-1.18	0.75	0.96
rs3733215	0.99	0.91-1.08	0.87	0.99	1.11	0.97-1.26	0.14	0.93
rs3735533	0.98	0.84-1.13	0.76	0.98	1.06	0.85-1.33	0.59	0.93
rs3737801	1.00	0.82-1.23	0.97	0.99	1.13	0.84-1.53	0.43	0.93
rs3741378	1.08	0.96-1.22	0.21	0.90	1.08	0.9-1.29	0.41	0.93
rs3743157	0.93	0.83-1.05	0.26	0.91	1.03	0.86-1.23	0.72	0.96
rs3745318	1.03	0.92-1.16	0.56	0.95	1.05	0.88-1.25	0.56	0.93
rs3749237	0.93	0.85-1.02	0.12	0.84	1.01	0.88-1.16	0.89	0.98
rs3752728	1.02	0.91-1.13	0.76	0.98	1.09	0.93-1.28	0.28	0.93
rs3760994	1.10	0.97-1.24	0.14	0.88	0.91	0.76-1.09	0.29	0.93
rs3767199	1.01	0.92-1.11	0.80	0.98	0.90	0.78-1.03	0.13	0.93
rs3771371	1.01	0.93-1.11	0.75	0.98	1.00	0.88-1.14	0.97	0.99
rs3772219	1.04	0.95-1.15	0.40	0.91	0.87	0.75-1	0.05	0.93
rs3774372	0.95	0.85-1.08	0.45	0.92	0.95	0.8-1.14	0.59	0.93
rs3774702	1.05	0.93-1.18	0.43	0.92	0.99	0.83-1.19	0.92	0.98
rs3790227	0.99	0.89-1.1	0.85	0.99	1.00	0.86-1.17	1.00	1.00
rs379862	0.90	0.82-0.99	0.02	0.56	1.02	0.89-1.17	0.80	0.97
rs3802517	1.10	1.01-1.2	0.04	0.59	0.98	0.86-1.12	0.80	0.97
rs381815	1.13	1.03-1.25	0.01	0.43	1.10	0.95-1.27	0.21	0.93
rs3820068	0.96	0.86-1.09	0.55	0.95	1.22	1.02-1.46	0.03	0.93
rs3822239	0.98	0.89-1.07	0.66	0.96	1.05	0.92-1.2	0.49	0.93
rs385437	1.00	0.89-1.12	0.97	0.99	1.20	1.01-1.43	0.04	0.93
rs3861113	0.89	0.75-1.06	0.18	0.90	1.03	0.8-1.32	0.85	0.98
rs3898618	1.10	0.89-1.36	0.37	0.91	1.12	0.82-1.53	0.49	0.93
rs3915499	1.06	0.97-1.17	0.21	0.90	0.96	0.84-1.11	0.60	0.93
rs3918226*	1.15	0.99-1.35	0.08	0.69	0.84	0.66-1.06	0.15	0.93
rs3923097	0.89	0.75-1.06	0.20	0.90	0.96	0.73-1.25	0.76	0.96
rs3934939	0.93	0.84-1.02	0.10	0.81	0.90	0.79-1.04	0.15	0.93
rs40060	1.03	0.94-1.13	0.52	0.95	0.96	0.84-1.1	0.60	0.93
rs409558	1.05	0.93-1.17	0.43	0.92	0.89	0.76-1.06	0.18	0.93
rs4110517	0.94	0.84-1.05	0.26	0.91	1.08	0.91-1.27	0.38	0.93
rs4129585	1.06	0.96-1.17	0.23	0.91	0.99	0.86-1.14	0.89	0.98
rs4140574	1.01	0.92-1.11	0.78	0.98	0.89	0.78-1.02	0.08	0.93
rs4141663	1.00	0.91-1.09	0.98	0.99	1.06	0.92-1.21	0.44	0.93
rs4143175	0.99	0.89-1.09	0.81	0.99	1.09	0.93-1.26	0.28	0.93
rs41475048	1.03	0.91-1.18	0.63	0.95	0.96	0.79-1.17	0.70	0.95
rs419076	1.18	1.08-1.29	0.00	0.11	1.01	0.88-1.15	0.90	0.98
rs42398	1.05	0.94-1.18	0.38	0.91	1.12	0.95-1.33	0.18	0.93
rs4245739	0.99	0.89-1.11	0.91	0.99	0.93	0.79-1.09	0.36	0.93
rs4247374	1.14	0.94-1.39	0.18	0.90	1.22	0.91-1.63	0.19	0.93
rs4274337	1.01	0.89-1.14	0.92	0.99	1.45	1.21-1.76	0.00	0.11
rs4292285	1.09	0.99-1.19	0.07	0.68	1.07	0.94-1.22	0.31	0.93
rs4295*	1.08	0.99-1.19	0.10	0.78	1.18	1.02-1.36	0.02	0.93
rs4304924	0.95	0.86-1.04	0.25	0.91	0.92	0.8-1.06	0.23	0.93
rs4342401	1.05	0.96-1.15	0.24	0.91	1.02	0.89-1.17	0.75	0.96
rs4360494	0.97	0.89-1.06	0.51	0.95	1.02	0.89-1.17	0.74	0.96
rs4364717	1.04	0.96-1.14	0.33	0.91	1.06	0.93-1.21	0.38	0.93
rs4373814	1.07	0.98-1.17	0.15	0.89	1.01	0.88-1.16	0.87	0.98
rs4387287	1.15	1-1.34	0.06	0.66	1.13	0.9-1.41	0.28	0.93
rs4411245	1.01	0.92-1.12	0.79	0.98	0.96	0.83-1.12	0.60	0.93

rs4420291	1.04	0.95-1.14	0.36	0.91	0.94	0.83-1.07	0.35	0.93
rs4424827	0.98	0.89-1.07	0.60	0.95	0.95	0.83-1.09	0.47	0.93
rs4475250	0.96	0.88-1.05	0.43	0.92	1.05	0.92-1.2	0.49	0.93
rs449789	1.12	0.96-1.3	0.15	0.89	0.99	0.79-1.25	0.96	0.99
rs4507125	1.14	1.03-1.27	0.01	0.46	0.91	0.78-1.07	0.27	0.93
rs4507656	1.08	0.94-1.23	0.29	0.91	1.23	1-1.5	0.05	0.93
rs452036	0.98	0.89-1.08	0.72	0.98	0.93	0.81-1.07	0.33	0.93
rs4523973	0.96	0.88-1.05	0.39	0.91	0.85	0.75-0.97	0.02	0.90
rs4534535	1.04	0.91-1.2	0.55	0.95	0.93	0.75-1.15	0.49	0.93
rs45474499	1.10	0.91-1.33	0.31	0.91	1.11	0.84-1.48	0.45	0.93
rs4551692	1.12	0.93-1.35	0.21	0.90	1.14	0.87-1.51	0.34	0.93
rs4553000	1.05	0.96-1.14	0.32	0.91	1.01	0.89-1.15	0.90	0.98
rs4572866	1.05	0.93-1.18	0.43	0.92	1.02	0.86-1.21	0.83	0.98
rs4582532	1.00	0.92-1.1	0.95	0.99	0.99	0.86-1.12	0.82	0.97
rs4590817*	1.06	0.92-1.22	0.41	0.91	1.01	0.83-1.24	0.93	0.98
rs4598218	1.01	0.92-1.11	0.79	0.98	1.04	0.9-1.2	0.60	0.93
rs460105	1.05	0.96-1.15	0.30	0.91	1.09	0.95-1.24	0.23	0.93
rs4631439	0.98	0.89-1.08	0.66	0.95	1.02	0.88-1.19	0.75	0.96
rs4634143	1.03	0.94-1.13	0.48	0.93	0.96	0.83-1.1	0.53	0.93
rs4651224	0.95	0.86-1.04	0.24	0.91	1.04	0.91-1.2	0.56	0.93
rs4652875	1.02	0.93-1.11	0.70	0.97	0.89	0.78-1.02	0.09	0.93
rs4653889	1.07	0.98-1.18	0.13	0.87	0.92	0.8-1.05	0.23	0.93
rs4664080	1.07	0.97-1.18	0.17	0.89	1.17	1.02-1.35	0.03	0.93
rs4678915	0.97	0.89-1.07	0.56	0.95	1.01	0.88-1.16	0.93	0.98
rs4680	1.00	0.92-1.1	0.94	0.99	1.05	0.92-1.19	0.48	0.93
rs4686683	0.98	0.89-1.07	0.61	0.95	1.10	0.96-1.26	0.18	0.93
rs4691707	1.05	0.96-1.16	0.26	0.91	1.01	0.88-1.16	0.89	0.98
rs4699165	0.98	0.89-1.08	0.66	0.96	1.05	0.91-1.21	0.50	0.93
rs470113	1.04	0.94-1.15	0.45	0.92	0.94	0.81-1.1	0.44	0.93
rs4709746	0.92	0.77-1.08	0.31	0.91	1.30	1-1.69	0.05	0.93
rs4712656	1.04	0.95-1.13	0.40	0.91	1.00	0.88-1.14	0.98	0.99
rs4728142	1.05	0.96-1.15	0.28	0.91	0.96	0.84-1.09	0.54	0.93
rs4744239	1.04	0.95-1.14	0.38	0.91	0.99	0.86-1.13	0.84	0.98
rs4782211	0.96	0.84-1.1	0.54	0.95	1.00	0.82-1.22	0.98	0.99
rs4785955	0.99	0.89-1.11	0.92	0.99	1.09	0.93-1.28	0.27	0.93
rs4788913	1.05	0.96-1.16	0.29	0.91	1.05	0.91-1.22	0.48	0.93
rs4795641	1.01	0.92-1.1	0.91	0.99	1.10	0.96-1.26	0.18	0.93
rs4800420	0.94	0.84-1.04	0.20	0.90	1.04	0.9-1.21	0.59	0.93
rs4803457	1.05	0.96-1.15	0.29	0.91	0.90	0.79-1.03	0.14	0.93
rs4808569	0.93	0.82-1.05	0.24	0.91	1.00	0.83-1.21	0.98	0.99
rs4811601	0.97	0.88-1.06	0.48	0.93	0.96	0.84-1.1	0.55	0.93
rs4823006	1.04	0.95-1.13	0.40	0.91	0.98	0.86-1.12	0.79	0.97
rs4834735	1.06	0.93-1.2	0.41	0.91	1.08	0.88-1.31	0.45	0.93
rs4846049	1.03	0.94-1.12	0.59	0.95	1.06	0.93-1.22	0.38	0.93
rs4850047	0.92	0.82-1.04	0.18	0.90	1.11	0.93-1.33	0.25	0.93
rs4851462	1.05	0.96-1.15	0.26	0.91	1.09	0.95-1.25	0.21	0.93
rs4858758	1.06	0.97-1.15	0.24	0.91	1.04	0.91-1.19	0.58	0.93
rs4875958	1.05	0.95-1.15	0.33	0.91	1.05	0.91-1.22	0.46	0.93
rs4894535	0.99	0.88-1.11	0.80	0.98	0.97	0.82-1.15	0.74	0.96
rs4896104	1.06	0.96-1.16	0.24	0.91	1.03	0.9-1.19	0.63	0.94
rs4904503	1.03	0.93-1.13	0.58	0.95	0.98	0.85-1.13	0.77	0.97
rs4908678	0.95	0.86-1.04	0.28	0.91	1.06	0.92-1.22	0.41	0.93
rs4919883	1.01	0.89-1.14	0.93	0.99	1.15	0.96-1.38	0.14	0.93
rs4922591	1.03	0.94-1.14	0.51	0.95	1.08	0.94-1.24	0.30	0.93
rs4923910	1.06	0.97-1.16	0.22	0.91	0.98	0.86-1.12	0.76	0.96
rs4926499	0.98	0.81-1.17	0.80	0.98	0.82	0.62-1.08	0.16	0.93
rs4926923	0.97	0.79-1.19	0.78	0.98	0.85	0.63-1.16	0.31	0.93
rs4952611	1.01	0.91-1.11	0.88	0.99	1.07	0.92-1.24	0.36	0.93
rs4954192	1.05	0.95-1.15	0.35	0.91	1.09	0.94-1.26	0.25	0.93
rs4957026	1.11	1-1.22	0.04	0.61	0.94	0.8-1.09	0.39	0.93
rs4972805	1.06	0.96-1.16	0.24	0.91	1.02	0.89-1.17	0.80	0.97
rs4977492	1.02	0.93-1.13	0.65	0.95	0.96	0.83-1.12	0.64	0.94
rs4980470	0.96	0.88-1.06	0.43	0.92	1.00	0.87-1.15	0.97	0.99
rs4980515	0.96	0.87-1.05	0.33	0.91	1.05	0.92-1.21	0.44	0.93
rs4980877	1.03	0.94-1.13	0.55	0.95	1.07	0.93-1.23	0.35	0.93
rs4984497	1.02	0.93-1.13	0.65	0.95	0.94	0.82-1.09	0.44	0.93
rs5021979	0.98	0.88-1.09	0.65	0.95	0.94	0.8-1.1	0.45	0.93
rs504217	1.10	0.91-1.33	0.31	0.91	1.13	0.84-1.5	0.42	0.93
rs504691	0.96	0.87-1.04	0.32	0.91	1.08	0.94-1.23	0.28	0.93
rs507666	0.97	0.86-1.09	0.63	0.95	0.92	0.77-1.1	0.37	0.93
rs512083	0.98	0.9-1.08	0.74	0.98	1.01	0.88-1.16	0.86	0.98
rs516143	1.13	0.97-1.32	0.12	0.86	1.00	0.79-1.25	0.98	0.99

rs5219	1.09	1-1.2	0.04	0.62	1.08	0.94-1.23	0.27	0.93
rs544625	0.95	0.87-1.04	0.29	0.91	1.06	0.92-1.21	0.43	0.93
rs555754	1.02	0.93-1.11	0.68	0.97	1.03	0.9-1.18	0.63	0.94
rs55641580	1.02	0.9-1.16	0.71	0.98	0.96	0.79-1.17	0.71	0.96
rs55684003	1.07	0.97-1.17	0.19	0.90	0.96	0.83-1.11	0.58	0.93
rs55701159	1.12	0.97-1.3	0.11	0.84	1.07	0.87-1.34	0.51	0.93
rs55732192	1.06	0.89-1.26	0.49	0.94	1.07	0.83-1.38	0.60	0.93
rs55747751	1.11	0.93-1.31	0.24	0.91	0.92	0.72-1.18	0.50	0.93
rs55780018*	1.03	0.94-1.12	0.52	0.95	1.10	0.96-1.25	0.16	0.93
rs55829085	1.12	0.91-1.39	0.29	0.91	0.95	0.69-1.31	0.77	0.97
rs55935819	0.98	0.89-1.08	0.70	0.97	0.95	0.82-1.09	0.48	0.93
rs55940751	0.89	0.81-0.97	0.01	0.39	0.91	0.8-1.04	0.17	0.93
rs560276033	0.92	0.79-1.08	0.30	0.91	0.99	0.78-1.24	0.90	0.98
rs560887	1.01	0.92-1.11	0.83	0.99	0.95	0.83-1.1	0.50	0.93
rs56123029	1.01	0.9-1.13	0.85	0.99	1.09	0.92-1.29	0.35	0.93
rs56143613	1.01	0.92-1.11	0.85	0.99	1.09	0.94-1.27	0.23	0.93
rs56228409	1.05	0.87-1.26	0.61	0.95	1.12	0.86-1.46	0.41	0.93
rs56233017	1.17	0.88-1.56	0.29	0.91	0.91	0.6-1.38	0.65	0.94
rs56249585	1.01	0.93-1.11	0.76	0.98	1.10	0.96-1.25	0.18	0.93
rs56290975	0.96	0.88-1.05	0.36	0.91	0.95	0.83-1.08	0.41	0.93
rs56322953	0.95	0.86-1.06	0.38	0.91	0.97	0.83-1.14	0.70	0.95
rs56352451	0.97	0.84-1.11	0.65	0.95	0.95	0.77-1.17	0.64	0.94
rs56356382	0.89	0.78-1	0.06	0.66	1.00	0.83-1.2	0.96	0.99
rs567058829	1.05	0.96-1.15	0.32	0.91	1.01	0.88-1.16	0.85	0.98
rs56844452	1.14	0.93-1.4	0.22	0.90	1.03	0.76-1.4	0.87	0.98
rs571463591	1.01	0.89-1.14	0.85	0.99	1.05	0.88-1.26	0.59	0.93
rs57327054	0.97	0.88-1.06	0.50	0.94	0.95	0.83-1.1	0.50	0.93
rs57400569	0.98	0.88-1.09	0.67	0.96	0.98	0.84-1.15	0.81	0.97
rs57448815	0.90	0.8-1.02	0.11	0.83	1.02	0.85-1.23	0.80	0.97
rs5750482	1.05	0.96-1.15	0.25	0.91	1.05	0.92-1.2	0.48	0.93
rs5753103	1.05	0.96-1.14	0.30	0.91	1.10	0.97-1.26	0.15	0.93
rs5772	1.03	0.94-1.13	0.52	0.95	0.98	0.85-1.13	0.79	0.97
rs57786342	1.01	0.89-1.13	0.92	0.99	0.99	0.83-1.18	0.88	0.98
rs57874285	0.99	0.9-1.08	0.75	0.98	0.90	0.79-1.04	0.15	0.93
rs57927100	1.07	0.96-1.2	0.21	0.90	0.95	0.81-1.11	0.53	0.93
rs5794844	1.08	0.99-1.18	0.09	0.75	1.11	0.97-1.27	0.13	0.93
rs58015370	1.01	0.92-1.12	0.76	0.98	0.95	0.82-1.1	0.48	0.93
rs58117425	0.96	0.87-1.07	0.48	0.93	1.04	0.9-1.21	0.56	0.93
rs58477215	0.96	0.86-1.07	0.46	0.92	1.03	0.87-1.21	0.72	0.96
rs590198	1.04	0.95-1.14	0.37	0.91	0.97	0.85-1.11	0.65	0.94
rs592373	0.97	0.89-1.07	0.55	0.95	1.10	0.96-1.26	0.15	0.93
rs598682	1.01	0.91-1.11	0.88	0.99	1.03	0.89-1.2	0.66	0.94
rs599550	0.95	0.84-1.09	0.48	0.94	0.97	0.8-1.18	0.77	0.97
rs59986178	0.99	0.87-1.12	0.84	0.99	0.84	0.69-1.02	0.08	0.93
rs60191654	0.95	0.84-1.08	0.42	0.92	1.08	0.9-1.29	0.44	0.93
rs60199046	0.97	0.88-1.07	0.56	0.95	1.12	0.98-1.3	0.11	0.93
rs6021247	1.06	0.97-1.16	0.20	0.90	1.01	0.89-1.15	0.89	0.98
rs60255247	1.01	0.89-1.15	0.83	0.99	0.88	0.73-1.07	0.20	0.93
rs6026748*	1.25	1.08-1.45	0.00	0.32	1.49	1.18-1.87	0.00	0.29
rs6031435	0.96	0.87-1.05	0.32	0.91	1.08	0.95-1.24	0.24	0.93
rs603424	0.99	0.87-1.11	0.82	0.99	0.96	0.8-1.15	0.66	0.94
rs60354484	0.95	0.85-1.07	0.42	0.92	1.10	0.93-1.31	0.27	0.93
rs6054200	1.06	0.97-1.16	0.22	0.90	1.02	0.89-1.17	0.77	0.97
rs6060114	0.99	0.87-1.11	0.83	0.99	1.03	0.86-1.23	0.78	0.97
rs6090040	0.93	0.85-1.02	0.14	0.89	1.03	0.89-1.18	0.72	0.96
rs6092743	1.25	1.09-1.43	0.00	0.28	1.49	1.21-1.84	0.00	0.11
rs6095241	1.00	0.91-1.1	0.99	1.00	0.95	0.83-1.09	0.46	0.93
rs61040371	0.99	0.91-1.09	0.88	0.99	1.11	0.97-1.27	0.12	0.93
rs6108168*	1.02	0.92-1.13	0.73	0.98	0.95	0.82-1.11	0.52	0.93
rs6129880	0.94	0.84-1.05	0.28	0.91	1.07	0.91-1.26	0.43	0.93
rs6141479	0.98	0.87-1.11	0.80	0.98	0.97	0.82-1.15	0.73	0.96
rs6142381	1.07	0.98-1.17	0.13	0.87	1.03	0.9-1.18	0.68	0.95
rs61448762	0.95	0.82-1.1	0.51	0.95	1.00	0.81-1.25	0.97	0.99
rs61653296	1.03	0.92-1.16	0.56	0.95	1.05	0.89-1.24	0.56	0.93
rs61735998	0.85	0.56-1.29	0.44	0.92	1.76	0.96-3.23	0.07	0.93
rs61755579	1.00	0.73-1.36	0.99	1.00	1.02	0.64-1.63	0.93	0.98
rs61760904	1.06	0.75-1.51	0.73	0.98	0.88	0.52-1.47	0.62	0.94
rs61823001	0.96	0.8-1.14	0.64	0.95	1.17	0.9-1.54	0.24	0.93
rs61879810	0.95	0.84-1.07	0.40	0.91	0.88	0.73-1.06	0.17	0.93
rs61892344	0.95	0.83-1.09	0.46	0.92	0.86	0.7-1.06	0.15	0.93
rs61912333	1.05	0.96-1.15	0.30	0.91	0.95	0.83-1.08	0.42	0.93
rs62004794	0.92	0.83-1.01	0.07	0.68	1.02	0.88-1.17	0.83	0.98

rs62011052	1.01	0.91-1.13	0.83	0.99	1.16	0.98-1.37	0.08	0.93
rs62012628	1.05	0.95-1.16	0.35	0.91	1.03	0.88-1.19	0.73	0.96
rs62020769	1.05	0.96-1.16	0.26	0.91	1.11	0.97-1.28	0.14	0.93
rs62033406	0.95	0.87-1.04	0.25	0.91	1.02	0.89-1.16	0.82	0.97
rs62053102	0.99	0.75-1.29	0.91	0.99	0.84	0.56-1.24	0.38	0.93
rs62076103	1.06	0.87-1.31	0.57	0.95	0.94	0.68-1.28	0.68	0.95
rs62080325	1.00	0.9-1.12	0.96	0.99	1.08	0.92-1.28	0.33	0.93
rs62104477	0.93	0.84-1.02	0.13	0.87	0.93	0.81-1.08	0.34	0.93
rs62158170	1.12	0.99-1.26	0.06	0.66	1.29	1.08-1.54	0.01	0.71
rs62169544	1.05	0.96-1.14	0.33	0.91	1.11	0.97-1.27	0.12	0.93
rs62229372	1.14	0.96-1.35	0.13	0.87	1.01	0.79-1.3	0.93	0.98
rs62250714	1.02	0.92-1.12	0.72	0.98	0.95	0.83-1.09	0.47	0.93
rs6227	1.15	1.05-1.26	0.00	0.32	1.10	0.96-1.27	0.17	0.93
rs62270945	0.98	0.64-1.5	0.92	0.99	0.91	0.48-1.67	0.75	0.96
rs62361303	0.98	0.86-1.12	0.80	0.98	0.98	0.8-1.19	0.81	0.97
rs62380354	1.15	0.95-1.39	0.16	0.89	0.99	0.75-1.31	0.96	0.99
rs62385385	0.95	0.87-1.04	0.29	0.91	1.01	0.88-1.16	0.88	0.98
rs62491354	0.83	0.73-0.93	0.00	0.32	1.03	0.86-1.23	0.74	0.96
rs62524579	1.08	0.99-1.19	0.09	0.75	0.91	0.79-1.05	0.20	0.93
rs6271	0.94	0.71-1.24	0.66	0.95	1.53	0.99-2.4	0.06	0.93
rs633185*	1.04	0.95-1.15	0.37	0.91	0.99	0.86-1.15	0.89	0.98
rs63418562	1.03	0.94-1.14	0.49	0.94	1.10	0.95-1.28	0.20	0.93
rs6421389	0.99	0.9-1.09	0.86	0.99	1.10	0.96-1.26	0.18	0.93
rs6428947	1.15	1.03-1.29	0.02	0.49	0.93	0.79-1.1	0.42	0.93
rs6429422	1.06	0.96-1.17	0.29	0.91	0.92	0.79-1.07	0.28	0.93
rs6434404	1.07	0.96-1.18	0.21	0.90	0.99	0.85-1.15	0.89	0.98
rs6438253	1.06	0.97-1.16	0.20	0.90	1.07	0.93-1.23	0.32	0.93
rs6442101	1.05	0.95-1.16	0.31	0.91	1.10	0.95-1.28	0.19	0.93
rs6479908	1.07	0.98-1.17	0.16	0.89	0.93	0.81-1.06	0.28	0.93
rs6487543	0.93	0.84-1.03	0.18	0.90	1.15	0.99-1.34	0.07	0.93
rs649472	0.95	0.86-1.05	0.35	0.91	1.11	0.96-1.29	0.17	0.93
rs6495122	1.09	0.99-1.19	0.07	0.68	1.00	0.88-1.14	1.00	1.00
rs6511291	1.06	0.97-1.16	0.18	0.90	1.16	1.01-1.33	0.03	0.93
rs6540125	1.04	0.94-1.14	0.44	0.92	0.87	0.75-1	0.06	0.93
rs6545155	0.93	0.82-1.05	0.23	0.91	0.97	0.8-1.16	0.71	0.96
rs6557876	1.16	1.05-1.28	0.00	0.32	0.98	0.85-1.13	0.78	0.97
rs6565174	1.08	0.9-1.29	0.43	0.92	0.95	0.73-1.26	0.74	0.96
rs6593297	0.94	0.85-1.04	0.23	0.91	0.96	0.82-1.11	0.55	0.93
rs6595838	1.05	0.95-1.16	0.35	0.91	1.05	0.91-1.22	0.48	0.93
rs661348	0.91	0.83-1	0.06	0.66	1.16	1.01-1.34	0.04	0.93
rs6662330	1.10	0.97-1.25	0.15	0.89	0.91	0.75-1.1	0.34	0.93
rs666720	1.04	0.95-1.14	0.41	0.91	0.99	0.87-1.14	0.91	0.98
rs66723505	1.08	0.98-1.19	0.10	0.79	1.09	0.94-1.26	0.25	0.93
rs66774912	1.04	0.9-1.21	0.56	0.95	1.01	0.81-1.25	0.95	0.99
rs6681713	1.19	0.86-1.64	0.29	0.91	0.92	0.59-1.45	0.72	0.96
rs668459	1.02	0.94-1.12	0.64	0.95	0.90	0.79-1.03	0.12	0.93
rs6686889	1.14	1.03-1.26	0.01	0.46	1.11	0.96-1.3	0.16	0.93
rs66887589	1.09	1-1.19	0.05	0.64	0.96	0.85-1.1	0.60	0.93
rs6689862	1.08	0.91-1.28	0.38	0.91	0.93	0.71-1.21	0.57	0.93
rs66978877	0.97	0.88-1.08	0.62	0.95	1.11	0.95-1.29	0.20	0.93
rs670463	1.07	0.97-1.17	0.17	0.89	1.02	0.88-1.17	0.81	0.97
rs6712094	0.98	0.89-1.09	0.74	0.98	0.91	0.79-1.06	0.23	0.93
rs6723509	1.02	0.89-1.16	0.79	0.98	0.95	0.78-1.16	0.60	0.93
rs6731373	0.92	0.83-1.03	0.13	0.87	1.14	0.97-1.33	0.12	0.93
rs67330701	0.95	0.82-1.1	0.51	0.95	0.89	0.71-1.11	0.30	0.93
rs6747242	0.92	0.76-1.1	0.36	0.91	1.17	0.88-1.58	0.28	0.93
rs6747874	0.98	0.89-1.09	0.76	0.98	0.98	0.84-1.15	0.84	0.98
rs6758859	0.91	0.83-1	0.06	0.66	0.93	0.81-1.07	0.32	0.93
rs67720684	0.89	0.79-1	0.04	0.64	1.04	0.88-1.24	0.62	0.94
rs6772704	1.01	0.91-1.12	0.82	0.99	0.97	0.83-1.13	0.69	0.95
rs6777317	0.97	0.87-1.09	0.62	0.95	0.98	0.83-1.15	0.78	0.97
rs6782694	1.02	0.9-1.17	0.73	0.98	0.93	0.76-1.14	0.50	0.93
rs67833703	1.01	0.91-1.11	0.92	0.99	1.14	0.99-1.33	0.07	0.93
rs6788984	0.96	0.84-1.1	0.57	0.95	1.20	0.99-1.46	0.07	0.93
rs6792918	0.97	0.79-1.2	0.80	0.98	1.17	0.86-1.61	0.32	0.93
rs6793656	1.03	0.88-1.19	0.74	0.98	0.93	0.74-1.16	0.53	0.93
rs6795735	1.04	0.95-1.13	0.45	0.92	1.00	0.87-1.15	0.97	0.99
rs67976715	1.05	0.94-1.17	0.40	0.91	0.86	0.73-1.02	0.08	0.93
rs6801957	1.01	0.93-1.11	0.80	0.98	0.94	0.82-1.07	0.35	0.93
rs6803322	0.95	0.86-1.05	0.34	0.91	0.95	0.82-1.11	0.54	0.93
rs680515	0.98	0.89-1.07	0.64	0.95	0.97	0.85-1.11	0.70	0.95
rs6806529	0.94	0.85-1.04	0.23	0.91	0.98	0.85-1.14	0.81	0.97

rs6823199	1.00	0.9-1.11	0.97	0.99	1.03	0.88-1.21	0.69	0.95
rs6823767	1.07	0.97-1.18	0.17	0.89	1.06	0.92-1.23	0.42	0.93
rs685149	1.04	0.94-1.14	0.47	0.93	0.95	0.82-1.1	0.46	0.93
rs6867399	0.97	0.87-1.09	0.64	0.95	1.00	0.84-1.19	0.99	0.99
rs687621	0.98	0.89-1.07	0.65	0.95	0.97	0.84-1.1	0.61	0.93
rs6891344	1.07	0.96-1.21	0.23	0.91	0.91	0.77-1.08	0.27	0.93
rs6914824	1.01	0.88-1.15	0.91	0.99	0.92	0.75-1.12	0.41	0.93
rs6919440	1.04	0.95-1.15	0.37	0.91	1.09	0.95-1.25	0.22	0.93
rs6925750	1.04	0.9-1.19	0.61	0.95	0.94	0.77-1.15	0.55	0.93
rs693367	1.14	1.03-1.26	0.01	0.43	0.98	0.85-1.14	0.83	0.98
rs6954	1.01	0.92-1.1	0.82	0.99	1.07	0.94-1.22	0.30	0.93
rs6957161	1.06	0.96-1.18	0.22	0.91	1.04	0.89-1.21	0.64	0.94
rs6963105	1.00	0.9-1.12	0.94	0.99	1.12	0.96-1.31	0.17	0.93
rs6969780	1.10	0.94-1.29	0.21	0.90	0.92	0.73-1.17	0.51	0.93
rs6996562	1.10	1.01-1.2	0.04	0.59	0.88	0.77-1.01	0.06	0.93
rs6996733	1.04	0.91-1.19	0.52	0.95	1.02	0.84-1.23	0.88	0.98
rs7012636	1.05	0.96-1.15	0.28	0.91	1.05	0.92-1.19	0.51	0.93
rs7019055	1.02	0.93-1.12	0.69	0.97	1.05	0.91-1.2	0.53	0.93
rs7020564	0.97	0.88-1.07	0.60	0.95	0.97	0.84-1.12	0.72	0.96
rs7041664	0.95	0.86-1.05	0.36	0.91	1.06	0.91-1.23	0.45	0.93
rs704191	1.04	0.95-1.14	0.42	0.92	0.94	0.82-1.08	0.40	0.93
rs7042283	0.93	0.8-1.07	0.29	0.91	0.91	0.73-1.12	0.38	0.93
rs7043304	1.01	0.89-1.15	0.87	0.99	0.93	0.76-1.13	0.45	0.93
rs7045409	1.01	0.91-1.11	0.87	0.99	1.00	0.87-1.16	0.95	0.99
rs7070797	1.07	0.9-1.26	0.44	0.92	1.10	0.86-1.41	0.43	0.93
rs709209	1.05	0.96-1.15	0.32	0.91	0.94	0.82-1.08	0.37	0.93
rs7096563	1.01	0.92-1.11	0.87	0.99	0.97	0.84-1.11	0.62	0.94
rs709668	1.03	0.93-1.15	0.55	0.95	1.11	0.95-1.3	0.20	0.93
rs7096715	1.10	1.01-1.21	0.03	0.57	1.01	0.89-1.15	0.86	0.98
rs7103648	0.97	0.88-1.06	0.50	0.95	1.01	0.88-1.16	0.87	0.98
rs7107356	1.06	0.97-1.15	0.22	0.90	0.94	0.82-1.07	0.32	0.93
rs7116797	1.05	0.91-1.21	0.47	0.93	0.92	0.74-1.14	0.46	0.93
rs711737	0.90	0.82-0.98	0.02	0.50	1.16	1.01-1.33	0.04	0.93
rs7126805	1.03	0.93-1.14	0.63	0.95	0.97	0.84-1.13	0.74	0.96
rs7129220	1.11	0.96-1.29	0.15	0.89	1.13	0.9-1.4	0.29	0.93
rs7132012	0.97	0.89-1.07	0.59	0.95	0.95	0.82-1.1	0.49	0.93
rs7134060	1.02	0.93-1.12	0.67	0.96	1.12	0.98-1.28	0.11	0.93
rs7137749	0.98	0.89-1.07	0.67	0.96	0.88	0.77-1.01	0.07	0.93
rs7144602	1.08	0.97-1.19	0.16	0.89	1.10	0.94-1.28	0.22	0.93
rs71543920	1.02	0.84-1.23	0.86	0.99	1.32	1-1.75	0.05	0.93
rs7161323	1.09	0.99-1.2	0.08	0.71	1.08	0.94-1.24	0.30	0.93
rs7166269	1.01	0.88-1.14	0.93	0.99	0.94	0.78-1.14	0.54	0.93
rs7178615	1.02	0.93-1.11	0.70	0.97	1.01	0.88-1.15	0.90	0.98
rs7180952	1.01	0.93-1.11	0.78	0.98	0.95	0.83-1.08	0.44	0.93
rs7185555	0.87	0.75-1	0.05	0.64	0.93	0.75-1.15	0.49	0.93
rs7187540	1.05	0.95-1.16	0.38	0.91	1.03	0.88-1.2	0.72	0.96
rs7213273	1.13	1.04-1.24	0.01	0.39	1.08	0.94-1.23	0.29	0.93
rs7219390	0.98	0.9-1.07	0.60	0.95	0.95	0.84-1.08	0.44	0.93
rs7221807	1.08	0.99-1.18	0.09	0.76	1.07	0.94-1.23	0.29	0.93
rs7225219	0.94	0.86-1.03	0.20	0.90	0.93	0.8-1.06	0.28	0.93
rs7226020	0.99	0.89-1.09	0.77	0.98	1.13	0.97-1.31	0.11	0.93
rs7236548	0.97	0.87-1.09	0.64	0.95	1.02	0.86-1.2	0.86	0.98
rs7248104	1.03	0.94-1.13	0.51	0.95	0.94	0.82-1.08	0.39	0.93
rs7255	1.07	0.97-1.18	0.15	0.89	0.87	0.76-1.01	0.06	0.93
rs7256564	0.99	0.91-1.09	0.89	0.99	1.02	0.89-1.17	0.80	0.97
rs72613227	1.12	0.96-1.31	0.17	0.89	1.01	0.8-1.28	0.92	0.98
rs72659998	0.93	0.81-1.07	0.30	0.91	1.01	0.83-1.24	0.91	0.98
rs7266274	0.99	0.9-1.1	0.91	0.99	1.18	1.01-1.38	0.04	0.93
rs72677850	0.88	0.63-1.22	0.43	0.92	0.93	0.57-1.53	0.77	0.97
rs72688070	1.02	0.89-1.17	0.74	0.98	0.98	0.8-1.2	0.83	0.98
rs72704264	1.03	0.92-1.16	0.59	0.95	0.97	0.82-1.14	0.69	0.95
rs72765298	1.01	0.86-1.18	0.90	0.99	1.01	0.8-1.28	0.91	0.98
rs72799341	1.04	0.94-1.14	0.49	0.94	0.93	0.8-1.08	0.34	0.93
rs72812846	0.95	0.86-1.04	0.26	0.91	1.04	0.91-1.2	0.57	0.93
rs72816333	1.04	0.93-1.18	0.48	0.93	1.04	0.87-1.24	0.68	0.95
rs72831855	1.00	0.77-1.29	0.99	1.00	1.12	0.76-1.65	0.55	0.93
rs72834453	0.93	0.8-1.08	0.37	0.91	0.92	0.74-1.15	0.46	0.93
rs72844590	1.00	0.88-1.13	0.96	0.99	0.87	0.73-1.04	0.14	0.93
rs72847884	1.08	0.87-1.34	0.49	0.94	1.26	0.92-1.74	0.15	0.93
rs72851229	1.08	0.95-1.23	0.26	0.91	0.91	0.75-1.1	0.32	0.93
rs72910063	1.03	0.85-1.25	0.74	0.98	1.31	0.98-1.74	0.07	0.93
rs72930293	1.01	0.88-1.16	0.87	0.99	1.08	0.88-1.33	0.46	0.93

rs72930904	0.95	0.85-1.06	0.39	0.91	0.99	0.84-1.17	0.92	0.98
rs72931748	1.04	0.9-1.21	0.61	0.95	0.95	0.77-1.19	0.67	0.94
rs729448	1.06	0.97-1.16	0.20	0.90	0.99	0.87-1.14	0.93	0.98
rs72958213	1.02	0.91-1.15	0.72	0.98	0.94	0.79-1.11	0.45	0.93
rs73033340	1.13	0.79-1.6	0.50	0.95	0.84	0.51-1.39	0.49	0.93
rs73046792	0.98	0.84-1.14	0.78	0.98	0.98	0.78-1.24	0.88	0.98
rs73049928	1.06	0.95-1.18	0.28	0.91	0.95	0.81-1.11	0.50	0.93
rs73080726	1.16	1.02-1.31	0.02	0.50	0.92	0.77-1.1	0.34	0.93
rs73080767	1.17	1.02-1.35	0.03	0.56	0.91	0.74-1.11	0.33	0.93
rs73082337	1.06	0.91-1.23	0.45	0.92	1.04	0.83-1.31	0.72	0.96
rs73099903	0.86	0.71-1.04	0.12	0.86	1.14	0.86-1.5	0.37	0.93
rs73105827	1.06	0.9-1.25	0.47	0.93	1.00	0.79-1.27	0.98	0.99
rs7312132	1.00	0.82-1.22	0.99	1.00	1.12	0.83-1.51	0.46	0.93
rs7313556	1.05	0.96-1.15	0.26	0.91	0.98	0.86-1.12	0.80	0.97
rs73158427	0.98	0.87-1.09	0.68	0.96	0.96	0.81-1.13	0.60	0.93
rs73161324	0.93	0.69-1.26	0.65	0.95	1.25	0.81-1.93	0.31	0.93
rs731681	1.04	0.95-1.15	0.39	0.91	1.07	0.93-1.24	0.33	0.93
rs731749	0.94	0.74-1.19	0.59	0.95	0.81	0.57-1.16	0.26	0.93
rs73181210	0.79	0.54-1.14	0.21	0.90	1.47	0.81-2.76	0.22	0.93
rs73187288	0.98	0.85-1.13	0.77	0.98	1.05	0.85-1.3	0.66	0.94
rs734780	1.00	0.86-1.16	0.98	0.99	0.84	0.67-1.05	0.12	0.93
rs73605614	1.01	0.91-1.13	0.84	0.99	1.06	0.9-1.24	0.50	0.93
rs736107	1.03	0.94-1.13	0.53	0.95	1.04	0.91-1.19	0.57	0.93
rs73727605	0.95	0.74-1.23	0.72	0.98	0.56	0.38-0.82	0.00	0.58
rs73744859	1.22	0.94-1.6	0.14	0.88	0.80	0.53-1.2	0.29	0.93
rs73754057	0.99	0.89-1.11	0.91	0.99	1.02	0.86-1.2	0.82	0.97
rs737721	0.87	0.73-1.03	0.11	0.81	1.14	0.89-1.47	0.29	0.93
rs739414	1.00	0.9-1.1	0.95	0.99	0.90	0.78-1.05	0.17	0.93
rs740406	1.10	0.93-1.3	0.25	0.91	1.15	0.9-1.48	0.26	0.93
rs7406910	1.03	0.89-1.19	0.70	0.97	0.96	0.77-1.19	0.68	0.95
rs740698	0.95	0.86-1.04	0.25	0.91	0.96	0.84-1.1	0.58	0.93
rs7412	1.03	0.87-1.22	0.71	0.98	1.02	0.79-1.31	0.91	0.98
rs74181299	0.95	0.87-1.04	0.30	0.91	0.99	0.87-1.13	0.88	0.98
rs7437940	1.00	0.92-1.1	0.93	0.99	1.13	0.99-1.3	0.07	0.93
rs7439567	1.10	1.01-1.21	0.04	0.59	1.15	1.01-1.32	0.04	0.93
rs74482535	0.77	0.64-0.92	0.00	0.36	0.82	0.62-1.09	0.17	0.93
rs745821	1.04	0.94-1.15	0.39	0.91	1.02	0.88-1.18	0.83	0.98
rs74621754	0.99	0.75-1.29	0.92	0.99	1.23	0.81-1.88	0.33	0.93
rs74774746	1.04	0.94-1.16	0.42	0.92	1.04	0.9-1.21	0.60	0.93
rs7500448	0.98	0.88-1.09	0.77	0.98	1.05	0.89-1.23	0.58	0.93
rs7502046	1.05	0.91-1.2	0.51	0.95	0.84	0.68-1.03	0.09	0.93
rs750416	1.04	0.95-1.13	0.43	0.92	1.07	0.94-1.23	0.32	0.93
rs7512595	1.00	0.85-1.18	0.98	0.99	1.00	0.78-1.28	0.99	1.00
rs7514579	1.05	0.94-1.17	0.38	0.91	0.93	0.79-1.1	0.40	0.93
rs7515635	0.99	0.91-1.09	0.88	0.99	0.95	0.83-1.08	0.42	0.93
rs7519279	0.99	0.9-1.09	0.85	0.99	1.03	0.9-1.19	0.63	0.94
rs751984	1.26	1.12-1.43	0.00	0.11	1.04	0.87-1.24	0.65	0.94
rs7524019	0.92	0.83-1.04	0.18	0.90	0.98	0.83-1.17	0.84	0.98
rs75305034	1.10	1.01-1.21	0.04	0.59	1.16	1.01-1.33	0.04	0.93
rs75460349	1.05	0.85-1.3	0.65	0.95	1.34	0.98-1.83	0.07	0.93
rs7547570	1.05	0.95-1.15	0.35	0.91	0.98	0.85-1.12	0.75	0.96
rs75507123	0.98	0.85-1.14	0.83	0.99	0.98	0.79-1.22	0.88	0.98
rs7553422	0.98	0.89-1.08	0.69	0.97	1.01	0.88-1.17	0.84	0.98
rs7555285	1.05	0.94-1.16	0.41	0.91	1.11	0.94-1.3	0.22	0.93
rs7562	1.00	0.92-1.1	0.91	0.99	0.90	0.78-1.03	0.12	0.93
rs757081	1.09	1-1.2	0.05	0.64	1.11	0.97-1.27	0.14	0.93
rs757462	0.98	0.89-1.09	0.75	0.98	1.04	0.9-1.21	0.61	0.93
rs7575523	0.97	0.88-1.06	0.46	0.92	1.18	1.03-1.35	0.02	0.90
rs7581849	1.02	0.93-1.12	0.68	0.97	0.92	0.8-1.06	0.24	0.93
rs7586597	1.02	0.93-1.12	0.70	0.97	1.02	0.89-1.18	0.73	0.96
rs7590201	1.03	0.94-1.12	0.57	0.95	1.04	0.92-1.19	0.52	0.93
rs75902664	0.96	0.7-1.31	0.79	0.98	1.11	0.7-1.74	0.65	0.94
rs7592578	1.06	0.93-1.21	0.39	0.91	0.92	0.76-1.11	0.37	0.93
rs7599598	1.02	0.93-1.11	0.72	0.98	1.03	0.9-1.17	0.68	0.95
rs76052955	0.94	0.85-1.03	0.20	0.90	0.96	0.83-1.12	0.62	0.94
rs7606205	1.08	0.98-1.19	0.12	0.84	0.99	0.85-1.15	0.91	0.98
rs7608483	1.01	0.92-1.1	0.84	0.99	1.04	0.91-1.19	0.53	0.93
rs7611674	0.90	0.79-1.02	0.09	0.75	1.14	0.94-1.38	0.20	0.93
rs76164690	1.04	0.93-1.17	0.50	0.95	0.97	0.82-1.16	0.75	0.96
rs7624086	1.01	0.92-1.1	0.86	0.99	0.92	0.8-1.05	0.21	0.93
rs7632108	1.00	0.91-1.09	0.92	0.99	1.04	0.9-1.19	0.61	0.93
rs76326501	1.06	0.9-1.25	0.45	0.92	1.02	0.81-1.3	0.86	0.98

rs76398786	1.02	0.77-1.35	0.90	0.99	1.43	0.94-2.16	0.09	0.93
rs76452347	0.97	0.86-1.09	0.61	0.95	0.97	0.81-1.15	0.71	0.96
rs765302	1.02	0.93-1.12	0.66	0.95	1.09	0.96-1.24	0.20	0.93
rs76627715	1.05	0.92-1.2	0.48	0.94	0.86	0.7-1.05	0.15	0.93
rs7665304	0.98	0.9-1.07	0.69	0.97	0.94	0.82-1.07	0.34	0.93
rs7666150	0.97	0.88-1.06	0.44	0.92	1.14	1-1.31	0.05	0.93
rs76719272	0.96	0.84-1.11	0.60	0.95	1.01	0.82-1.25	0.90	0.98
rs7672622	1.02	0.92-1.14	0.72	0.98	0.95	0.81-1.12	0.53	0.93
rs76735299	1.06	0.91-1.24	0.42	0.92	1.21	0.97-1.52	0.10	0.93
rs76785029	0.77	0.63-0.93	0.01	0.39	0.80	0.59-1.09	0.15	0.93
rs76904484	0.99	0.73-1.33	0.93	0.99	0.95	0.61-1.47	0.82	0.98
rs7694000	0.92	0.84-1	0.06	0.66	0.92	0.81-1.06	0.25	0.93
rs7710854	1.02	0.87-1.21	0.78	0.98	1.19	0.93-1.52	0.17	0.93
rs7714219	0.96	0.88-1.06	0.45	0.92	1.04	0.9-1.2	0.57	0.93
rs772178	1.03	0.94-1.13	0.55	0.95	0.94	0.82-1.08	0.38	0.93
rs7734334	1.01	0.93-1.11	0.75	0.98	1.05	0.92-1.21	0.45	0.93
rs7753695	1.00	0.91-1.09	0.99	1.00	1.00	0.87-1.14	0.95	0.99
rs7763294	1.00	0.89-1.11	0.94	0.99	1.05	0.89-1.23	0.56	0.93
rs7765526	1.03	0.94-1.13	0.52	0.95	1.00	0.88-1.15	0.96	0.99
rs77692990	1.28	1.04-1.57	0.02	0.50	1.29	0.96-1.74	0.09	0.93
rs78151625	1.06	0.94-1.2	0.36	0.91	1.10	0.91-1.32	0.31	0.93
rs783621	1.05	0.96-1.15	0.25	0.91	1.02	0.9-1.17	0.74	0.96
rs7837090	0.97	0.87-1.08	0.56	0.95	1.07	0.9-1.27	0.44	0.93
rs78378222	1.14	0.76-1.73	0.53	0.95	0.86	0.45-1.59	0.63	0.94
rs7838781	0.99	0.88-1.1	0.82	0.99	0.92	0.79-1.09	0.35	0.93
rs7845722	1.10	1-1.2	0.04	0.61	0.85	0.74-0.97	0.01	0.90
rs78474310	0.85	0.67-1.09	0.20	0.90	1.21	0.85-1.72	0.29	0.93
rs7856420	0.95	0.86-1.04	0.26	0.91	1.03	0.9-1.18	0.67	0.94
rs7861040	0.98	0.89-1.07	0.64	0.95	0.93	0.81-1.06	0.28	0.93
rs78648104	0.88	0.76-1.01	0.07	0.68	1.25	1.02-1.54	0.03	0.93
rs7869756	0.92	0.82-1.04	0.19	0.90	1.07	0.9-1.28	0.45	0.93
rs78909240	0.98	0.85-1.14	0.83	0.99	1.06	0.85-1.32	0.63	0.94
rs79089478	0.99	0.75-1.3	0.93	0.99	1.43	0.94-2.19	0.10	0.93
rs7914287	1.07	0.97-1.19	0.18	0.90	1.06	0.91-1.24	0.44	0.93
rs79146658	1.08	0.93-1.27	0.31	0.91	1.25	0.98-1.59	0.07	0.93
rs7927515	0.91	0.83-1	0.05	0.64	1.04	0.9-1.19	0.59	0.93
rs7928655	1.04	0.95-1.15	0.36	0.91	1.00	0.87-1.15	0.95	0.99
rs7951348	1.06	0.97-1.15	0.23	0.91	0.97	0.85-1.11	0.66	0.94
rs79523138	0.95	0.81-1.11	0.54	0.95	1.08	0.85-1.36	0.53	0.93
rs7963801	1.12	1.01-1.24	0.03	0.59	1.04	0.89-1.21	0.64	0.94
rs7964067	0.97	0.86-1.09	0.62	0.95	1.02	0.86-1.22	0.82	0.97
rs7965392	0.99	0.9-1.09	0.84	0.99	0.92	0.8-1.05	0.21	0.93
rs7968719	0.94	0.85-1.03	0.19	0.90	1.01	0.88-1.16	0.90	0.98
rs7976167	0.98	0.89-1.08	0.67	0.96	1.01	0.87-1.16	0.94	0.99
rs79771286	1.21	1.06-1.38	0.00	0.32	0.96	0.78-1.16	0.65	0.94
rs7977311	1.14	0.97-1.33	0.11	0.83	1.16	0.93-1.46	0.20	0.93
rs7977389	1.12	0.98-1.28	0.10	0.77	1.06	0.88-1.29	0.52	0.93
rs7987651	1.07	0.93-1.23	0.33	0.91	0.91	0.74-1.11	0.35	0.93
rs7988232	0.95	0.87-1.04	0.29	0.91	1.07	0.94-1.23	0.31	0.93
rs7989823	1.08	0.97-1.2	0.18	0.90	1.01	0.86-1.2	0.86	0.98
rs80073370	0.74	0.61-0.89	0.00	0.29	0.93	0.7-1.24	0.61	0.93
rs8013933	1.14	1.01-1.27	0.03	0.58	0.95	0.8-1.12	0.51	0.93
rs8014182	0.99	0.87-1.13	0.88	0.99	0.98	0.82-1.19	0.86	0.98
rs8016306	1.11	0.99-1.24	0.07	0.68	1.10	0.93-1.3	0.27	0.93
rs8027524	1.05	0.96-1.15	0.29	0.91	1.00	0.87-1.15	0.99	0.99
rs805303*	1.06	0.97-1.16	0.20	0.90	0.97	0.85-1.12	0.71	0.96
rs8059962	1.09	1-1.2	0.06	0.67	1.15	1-1.32	0.06	0.93
rs8069739	1.02	0.93-1.13	0.64	0.95	0.96	0.83-1.11	0.61	0.93
rs8073626	1.00	0.91-1.09	0.92	0.99	1.02	0.89-1.16	0.78	0.97
rs8103992	1.03	0.91-1.17	0.64	0.95	1.03	0.86-1.24	0.76	0.96
rs8104559	0.97	0.86-1.08	0.54	0.95	1.02	0.86-1.21	0.81	0.97
rs8105753	0.99	0.89-1.1	0.88	0.99	1.08	0.92-1.26	0.36	0.93
rs8111708	1.02	0.93-1.12	0.64	0.95	1.10	0.96-1.27	0.15	0.93
rs813412	0.92	0.83-1.03	0.14	0.89	1.04	0.89-1.21	0.65	0.94
rs8139817	1.08	0.98-1.2	0.13	0.88	1.05	0.9-1.23	0.55	0.93
rs8141699	0.93	0.75-1.16	0.51	0.95	1.04	0.76-1.43	0.81	0.97
rs821317	1.06	0.93-1.21	0.37	0.91	1.00	0.82-1.22	1.00	1.00
rs8258	0.99	0.91-1.09	0.86	0.99	0.99	0.86-1.14	0.91	0.98
rs832890	0.97	0.88-1.06	0.46	0.92	1.03	0.9-1.18	0.64	0.94
rs839755	1.03	0.94-1.13	0.52	0.95	1.06	0.92-1.21	0.42	0.93
rs848309	1.07	0.98-1.17	0.15	0.89	0.93	0.81-1.06	0.25	0.93
rs867186	1.02	0.88-1.18	0.78	0.98	0.98	0.79-1.21	0.83	0.98

rs869396	0.99	0.9-1.08	0.79	0.98	1.02	0.89-1.17	0.75	0.96
rs871606	0.86	0.73-1.01	0.07	0.68	1.32	1.02-1.72	0.04	0.93
rs873122	0.98	0.88-1.08	0.63	0.95	1.05	0.9-1.21	0.54	0.93
rs875106	1.01	0.92-1.1	0.85	0.99	0.99	0.87-1.13	0.93	0.98
rs880315	1.09	0.99-1.19	0.07	0.68	1.00	0.88-1.15	0.98	0.99
rs8904	1.01	0.92-1.1	0.90	0.99	1.09	0.96-1.24	0.19	0.93
rs891511	1.00	0.91-1.09	0.97	0.99	0.92	0.81-1.06	0.26	0.93
rs893929	0.99	0.91-1.09	0.86	0.99	1.02	0.89-1.16	0.79	0.97
rs894344	1.02	0.93-1.11	0.70	0.97	0.91	0.8-1.03	0.14	0.93
rs896693	1.04	0.95-1.14	0.38	0.91	1.04	0.91-1.19	0.57	0.93
rs899927	0.94	0.85-1.04	0.22	0.90	1.02	0.89-1.19	0.74	0.96
rs903432	0.99	0.82-1.18	0.87	0.99	0.88	0.67-1.15	0.35	0.93
rs912434	1.03	0.93-1.13	0.62	0.95	0.88	0.76-1.02	0.10	0.93
rs917275	0.94	0.85-1.03	0.20	0.90	0.98	0.85-1.14	0.81	0.97
rs919045	0.97	0.89-1.07	0.60	0.95	0.93	0.8-1.07	0.30	0.93
rs925484	1.06	0.97-1.16	0.19	0.90	0.93	0.81-1.07	0.30	0.93
rs925946	0.99	0.91-1.09	0.90	0.99	1.22	1.06-1.4	0.01	0.71
rs9303241	1.01	0.92-1.1	0.87	0.99	0.95	0.83-1.08	0.42	0.93
rs9306160	1.05	0.96-1.15	0.31	0.91	1.15	0.99-1.32	0.06	0.93
rs9314907	0.97	0.87-1.07	0.51	0.95	0.95	0.81-1.12	0.55	0.93
rs932764*	1.04	0.95-1.13	0.43	0.92	0.94	0.83-1.07	0.37	0.93
rs9337951	0.97	0.87-1.07	0.51	0.95	0.94	0.8-1.09	0.40	0.93
rs9349379	1.00	0.91-1.09	0.93	0.99	1.00	0.88-1.14	0.95	0.99
rs9356632	1.18	1.03-1.36	0.02	0.49	0.95	0.78-1.16	0.61	0.93
rs936226	1.16	1.05-1.29	0.00	0.36	1.05	0.9-1.23	0.54	0.93
rs9368222	1.05	0.95-1.16	0.38	0.91	0.86	0.74-1.01	0.06	0.93
rs937213	1.05	0.96-1.16	0.27	0.91	0.88	0.77-1.01	0.08	0.93
rs9401090	1.07	0.96-1.18	0.21	0.90	1.07	0.92-1.25	0.37	0.93
rs941454	1.08	0.99-1.18	0.09	0.75	1.07	0.94-1.22	0.31	0.93
rs9431431	1.05	0.95-1.16	0.35	0.91	1.09	0.94-1.26	0.27	0.93
rs9456648	1.03	0.94-1.13	0.55	0.95	0.93	0.81-1.07	0.33	0.93
rs9472135	1.03	0.93-1.13	0.62	0.95	1.06	0.92-1.23	0.40	0.93
rs9477927	1.08	0.99-1.18	0.10	0.78	1.07	0.93-1.22	0.35	0.93
rs9479509	0.98	0.88-1.08	0.63	0.95	1.21	1.04-1.41	0.01	0.90
rs9486916	0.99	0.88-1.11	0.84	0.99	1.14	0.96-1.34	0.13	0.93
rs9506725	1.05	0.96-1.15	0.30	0.91	1.01	0.88-1.15	0.91	0.98
rs9526707	1.03	0.94-1.13	0.55	0.95	0.92	0.8-1.06	0.27	0.93
rs9532959	1.08	0.89-1.31	0.46	0.92	0.90	0.67-1.2	0.48	0.93
rs953492	1.03	0.94-1.12	0.56	0.95	0.96	0.84-1.1	0.60	0.93
rs954767	1.01	0.91-1.12	0.82	0.99	1.05	0.9-1.22	0.53	0.93
rs9549297	0.99	0.89-1.1	0.87	0.99	0.97	0.83-1.14	0.74	0.96
rs9549328	1.06	0.95-1.18	0.33	0.91	1.05	0.89-1.23	0.59	0.93
rs956006	1.02	0.92-1.13	0.67	0.96	0.99	0.85-1.15	0.90	0.98
rs9563529	1.11	1.01-1.23	0.04	0.61	1.13	0.98-1.32	0.10	0.93
rs9565436	0.96	0.84-1.09	0.49	0.94	1.07	0.89-1.29	0.49	0.93
rs9608690	1.08	0.91-1.29	0.38	0.91	1.08	0.83-1.4	0.57	0.93
rs9609429	0.90	0.82-0.99	0.04	0.59	1.06	0.92-1.23	0.41	0.93
rs9638084	0.99	0.9-1.08	0.75	0.98	0.93	0.82-1.07	0.31	0.93
rs963920	1.00	0.9-1.1	0.93	0.99	1.00	0.87-1.16	0.95	0.99
rs9650650	1.01	0.92-1.1	0.88	0.99	1.09	0.95-1.25	0.20	0.93
rs9658584	1.00	0.88-1.13	1.00	1.00	0.86	0.72-1.04	0.12	0.93
rs9662255	0.93	0.85-1.01	0.10	0.78	1.04	0.92-1.19	0.52	0.93
rs9678851	0.96	0.88-1.05	0.36	0.91	0.90	0.79-1.03	0.12	0.93
rs9687065	1.03	0.93-1.14	0.53	0.95	0.97	0.83-1.12	0.68	0.95
rs9708177	1.09	0.92-1.3	0.30	0.91	0.80	0.62-1.04	0.10	0.93
rs9710247	0.98	0.89-1.07	0.66	0.96	1.13	0.98-1.29	0.09	0.93
rs9729719	1.05	0.96-1.16	0.30	0.91	1.00	0.87-1.16	0.96	0.99
rs9818220	1.04	0.93-1.16	0.54	0.95	1.08	0.91-1.27	0.37	0.93
rs9827472	0.99	0.9-1.08	0.79	0.98	0.88	0.76-1.01	0.07	0.93
rs9833313	1.02	0.92-1.13	0.69	0.97	1.10	0.95-1.29	0.21	0.93
rs9837162	1.02	0.93-1.11	0.73	0.98	0.95	0.83-1.09	0.47	0.93
rs9844972	0.99	0.76-1.29	0.94	0.99	1.07	0.72-1.59	0.75	0.96
rs9845655	1.03	0.93-1.14	0.56	0.95	0.89	0.77-1.03	0.13	0.93
rs9849301	1.07	0.94-1.21	0.29	0.91	1.10	0.91-1.33	0.30	0.93
rs9857362	1.02	0.94-1.12	0.60	0.95	0.94	0.82-1.08	0.40	0.93
rs9859176*	1.09	0.99-1.19	0.08	0.70	1.07	0.93-1.22	0.36	0.93
rs9860290	1.04	0.93-1.16	0.54	0.95	0.89	0.76-1.05	0.17	0.93
rs9865843	1.02	0.93-1.11	0.72	0.98	1.02	0.9-1.16	0.75	0.96
rs9875380	0.91	0.83-1	0.04	0.61	0.87	0.76-1	0.05	0.93
rs9882772	1.05	0.96-1.14	0.30	0.91	0.96	0.85-1.1	0.58	0.93
rs9885632	0.98	0.88-1.09	0.71	0.98	0.95	0.81-1.11	0.52	0.93
rs9904409	1.02	0.84-1.23	0.87	0.99	1.06	0.8-1.41	0.68	0.95

rs9932220	1.11	1-1.24	0.06	0.66	1.07	0.91-1.25	0.43	0.93
rs9932866	1.07	0.97-1.17	0.16	0.89	0.94	0.82-1.07	0.33	0.93
rs9935770	0.98	0.9-1.07	0.67	0.96	1.07	0.93-1.22	0.34	0.93
rs9937309	0.95	0.85-1.06	0.40	0.91	0.87	0.74-1.02	0.09	0.93

Associations reaching a p-value <0.05 are highlighted in bold. *Genetic variants or proxies to genetic variants previously associated with hypertension

S9. Cross-sectional and longitudinal associations of all blood pressure traits associated loci with hypertension defined according to European guidelines

Genetic variant	Cross-sectional (N= 4,603)				Longitudinal (N= 3,418)			
	OR (per allele)	95% CI	P	P _{FDR}	OR (per allele)	95% CI	P	P _{FDR}
rs1004467*	1.01	0.86-1.19	0.90	0.99	0.99	0.82-1.19	0.90	0.99
rs10048404	1.00	0.88-1.14	0.97	1.00	1.01	0.88-1.17	0.85	0.99
rs10057188	1.05	0.94-1.17	0.37	0.92	1.03	0.92-1.17	0.58	0.97
rs10059921	0.98	0.77-1.25	0.88	0.99	0.93	0.71-1.22	0.60	0.98
rs10062049	0.96	0.84-1.09	0.51	0.96	0.90	0.78-1.05	0.18	0.93
rs10069690	0.91	0.82-1.02	0.11	0.80	0.94	0.83-1.06	0.30	0.93
rs10078021	0.99	0.89-1.1	0.82	0.99	1.07	0.95-1.21	0.25	0.93
rs1008058	1.03	0.91-1.16	0.66	0.98	1.09	0.95-1.25	0.20	0.93
rs10086284	1.02	0.92-1.13	0.70	0.99	1.02	0.91-1.15	0.69	0.98
rs10087782	1.12	1.01-1.23	0.02	0.49	0.95	0.85-1.06	0.36	0.94
rs10103353	1.02	0.92-1.12	0.76	0.99	0.99	0.89-1.11	0.90	0.99
rs1011018	0.94	0.83-1.06	0.29	0.86	0.93	0.8-1.07	0.28	0.93
rs1015538	1.10	0.99-1.23	0.07	0.71	1.15	1.02-1.29	0.02	0.78
rs10164193	0.99	0.81-1.21	0.91	0.99	1.05	0.84-1.3	0.69	0.98
rs10182307	0.88	0.79-0.97	0.01	0.43	0.97	0.87-1.08	0.57	0.97
rs10184004	0.96	0.87-1.06	0.44	0.94	1.13	1.01-1.26	0.04	0.81
rs10184839	0.99	0.89-1.11	0.90	0.99	1.01	0.89-1.14	0.94	1.00
rs10189186	1.00	0.91-1.11	0.96	1.00	1.05	0.94-1.18	0.35	0.93
rs10193543	1.11	0.97-1.29	0.14	0.80	0.93	0.8-1.08	0.33	0.93
rs10198275	0.97	0.88-1.07	0.52	0.96	1.11	0.99-1.25	0.06	0.88
rs10199082	0.83	0.71-0.98	0.03	0.49	0.94	0.78-1.13	0.49	0.97
rs10216063	0.94	0.81-1.09	0.41	0.93	1.09	0.93-1.28	0.27	0.93
rs10233127	1.00	0.83-1.2	1.00	1.00	1.01	0.82-1.23	0.96	1.00
rs10245696	0.96	0.87-1.06	0.41	0.93	1.01	0.9-1.12	0.88	0.99
rs10267979	1.01	0.91-1.12	0.88	0.99	0.85	0.75-0.95	0.00	0.57
rs10270950	1.00	0.9-1.1	0.94	1.00	0.96	0.86-1.08	0.52	0.97
rs10274928	1.00	0.9-1.1	0.93	0.99	1.00	0.89-1.12	0.96	1.00
rs1027647	1.04	0.94-1.16	0.43	0.93	0.92	0.82-1.03	0.15	0.93
rs1034906	1.05	0.91-1.22	0.52	0.96	0.95	0.81-1.12	0.56	0.97
rs10407022	1.11	0.99-1.26	0.08	0.72	1.10	0.96-1.26	0.16	0.93
rs10418305	0.92	0.76-1.1	0.36	0.91	1.03	0.83-1.28	0.78	0.98
rs10427021	0.88	0.72-1.08	0.22	0.82	1.06	0.84-1.34	0.63	0.98
rs1043069	1.05	0.94-1.17	0.36	0.92	1.04	0.92-1.18	0.50	0.97
rs10437954	0.99	0.8-1.21	0.91	0.99	1.12	0.9-1.4	0.31	0.93
rs1044822	1.21	1.04-1.41	0.01	0.45	0.99	0.85-1.17	0.92	0.99
rs10448275	0.99	0.9-1.1	0.87	0.99	0.94	0.84-1.06	0.32	0.93
rs10460108	0.99	0.89-1.09	0.82	0.99	1.06	0.95-1.19	0.30	0.93
rs10468291	1.02	0.92-1.13	0.71	0.99	1.09	0.98-1.22	0.12	0.93
rs1047030	1.04	0.92-1.18	0.53	0.96	0.97	0.85-1.11	0.66	0.98
rs10477176	0.99	0.88-1.12	0.86	0.99	1.26	1.1-1.45	0.00	0.57
rs1047891	1.02	0.91-1.15	0.71	0.99	1.01	0.89-1.15	0.83	0.99
rs1047922	0.99	0.78-1.26	0.97	1.00	1.18	0.9-1.54	0.23	0.93
rs10487988	0.86	0.75-0.98	0.03	0.51	1.07	0.92-1.23	0.38	0.95
rs1053711	1.02	0.92-1.14	0.70	0.99	1.05	0.93-1.18	0.45	0.97
rs1055144	0.89	0.78-1.01	0.08	0.72	1.02	0.88-1.18	0.76	0.98
rs1060105	0.96	0.85-1.08	0.47	0.96	0.80	0.7-0.92	0.00	0.57
rs1063281	1.01	0.91-1.11	0.88	0.99	0.98	0.88-1.1	0.79	0.98
rs10743086	1.16	1.02-1.32	0.02	0.49	1.02	0.89-1.17	0.75	0.98
rs10747570	1.12	1.01-1.25	0.03	0.55	1.05	0.93-1.18	0.43	0.97
rs10751962	1.07	0.84-1.38	0.58	0.96	1.05	0.8-1.38	0.73	0.98
rs10760117	0.97	0.88-1.07	0.52	0.96	0.97	0.87-1.08	0.58	0.97
rs10760260	1.09	0.94-1.27	0.25	0.83	1.01	0.85-1.19	0.94	1.00
rs10761530	1.00	0.9-1.1	0.96	1.00	0.90	0.8-1	0.05	0.83
rs10765211	0.96	0.87-1.06	0.40	0.93	0.93	0.83-1.04	0.18	0.93
rs10766533	0.96	0.85-1.07	0.45	0.95	0.88	0.77-1	0.05	0.83
rs10778174	1.00	0.88-1.13	0.98	1.00	1.01	0.88-1.17	0.87	0.99
rs10779936	1.00	0.89-1.11	0.95	1.00	0.94	0.84-1.06	0.34	0.93
rs10782230	1.00	0.91-1.11	0.95	1.00	1.03	0.92-1.15	0.59	0.97
rs10784502	0.99	0.9-1.1	0.91	0.99	1.03	0.93-1.15	0.56	0.97
rs10823136	0.92	0.75-1.12	0.40	0.93	1.12	0.9-1.38	0.31	0.93
rs10826995	0.98	0.87-1.11	0.77	0.99	0.98	0.86-1.12	0.78	0.98
rs10830959	0.99	0.89-1.11	0.90	0.99	1.04	0.92-1.17	0.53	0.97
rs10830963	0.98	0.88-1.09	0.75	0.99	1.03	0.91-1.16	0.66	0.98

rs10838433	0.99	0.89-1.11	0.92	0.99	0.94	0.84-1.06	0.34	0.93
rs10849594	1.12	0.99-1.27	0.07	0.70	1.09	0.95-1.26	0.22	0.93
rs10850411	1.13	1.02-1.26	0.02	0.49	1.00	0.89-1.12	0.98	1.00
rs10858966	1.00	0.9-1.12	0.97	1.00	1.14	1.01-1.28	0.04	0.81
rs10859580	0.93	0.84-1.03	0.18	0.80	1.14	1.02-1.27	0.02	0.78
rs10864859	0.94	0.78-1.15	0.56	0.96	1.09	0.87-1.37	0.46	0.97
rs10887914	1.12	1.02-1.24	0.02	0.49	1.10	0.99-1.23	0.08	0.88
rs10906391	0.97	0.87-1.08	0.55	0.96	1.00	0.89-1.12	0.99	1.00
rs10913934	1.06	0.96-1.18	0.25	0.83	1.06	0.95-1.19	0.28	0.93
rs10916082	0.98	0.87-1.1	0.73	0.99	1.04	0.91-1.18	0.57	0.97
rs1091811	1.08	0.94-1.24	0.26	0.84	1.10	0.95-1.29	0.20	0.93
rs10922502*	1.09	0.98-1.21	0.13	0.80	1.03	0.91-1.16	0.62	0.98
rs10923038	1.13	1.01-1.26	0.03	0.53	1.06	0.94-1.2	0.35	0.93
rs10956797	0.95	0.85-1.05	0.31	0.87	1.02	0.91-1.15	0.74	0.98
rs10958717	1.07	0.96-1.18	0.22	0.82	0.98	0.87-1.1	0.74	0.98
rs10982910	0.93	0.74-1.16	0.51	0.96	0.86	0.67-1.09	0.22	0.93
rs1098708	1.05	0.95-1.16	0.31	0.88	1.04	0.93-1.16	0.49	0.97
rs10995311	1.03	0.94-1.14	0.52	0.96	1.00	0.89-1.12	1.00	1.00
rs10998362	0.98	0.88-1.1	0.75	0.99	1.09	0.96-1.24	0.17	0.93
rs11008355	0.90	0.79-1.03	0.13	0.80	0.99	0.86-1.16	0.93	1.00
rs11010905	1.02	0.92-1.12	0.77	0.99	1.04	0.93-1.16	0.51	0.97
rs11021221	1.02	0.89-1.16	0.80	0.99	0.98	0.85-1.14	0.82	0.99
rs11026586	0.95	0.8-1.13	0.56	0.96	1.17	0.97-1.41	0.11	0.88
rs11031051	0.94	0.84-1.04	0.23	0.82	1.07	0.95-1.2	0.29	0.93
rs110419	1.03	0.93-1.14	0.57	0.96	1.12	1.01-1.25	0.03	0.81
rs1106243	1.10	0.99-1.22	0.07	0.71	1.00	0.89-1.12	0.96	1.00
rs11072518	1.04	0.94-1.16	0.41	0.93	1.06	0.95-1.19	0.31	0.93
rs11080134	1.06	0.95-1.17	0.30	0.87	1.03	0.92-1.16	0.61	0.98
rs11102916	1.22	0.91-1.62	0.18	0.80	1.19	0.86-1.65	0.29	0.93
rs11108209	0.84	0.69-1.01	0.06	0.70	1.04	0.85-1.27	0.72	0.98
rs11112548	0.95	0.71-1.28	0.74	0.99	0.95	0.69-1.32	0.74	0.98
rs11128722	1.08	0.97-1.21	0.16	0.80	0.99	0.88-1.12	0.92	0.99
rs111304266	1.14	0.84-1.53	0.38	0.93	1.13	0.8-1.59	0.47	0.97
rs11139596	0.94	0.81-1.08	0.37	0.92	0.93	0.79-1.08	0.34	0.93
rs11141731	1.06	0.94-1.2	0.38	0.93	1.02	0.89-1.17	0.75	0.98
rs11145807	1.06	0.95-1.17	0.31	0.87	0.99	0.89-1.11	0.90	0.99
rs11154027	0.99	0.89-1.1	0.88	0.99	0.93	0.83-1.05	0.25	0.93
rs11154334	1.01	0.91-1.11	0.91	0.99	1.05	0.94-1.18	0.40	0.96
rs111630016	1.06	0.85-1.32	0.60	0.97	0.96	0.75-1.22	0.72	0.98
rs11168244	1.14	1-1.29	0.05	0.64	1.12	0.97-1.29	0.11	0.91
rs111777102	1.18	0.93-1.48	0.18	0.80	1.06	0.81-1.39	0.66	0.98
rs111790405	1.08	0.8-1.44	0.61	0.97	1.08	0.77-1.51	0.64	0.98
rs111791351	1.17	1-1.36	0.04	0.60	1.03	0.86-1.22	0.77	0.98
rs11187142	0.90	0.73-1.11	0.32	0.88	0.94	0.74-1.17	0.56	0.97
rs11191156	1.00	0.9-1.11	0.97	1.00	0.98	0.87-1.1	0.74	0.98
rs11197813	1.10	0.98-1.23	0.11	0.78	1.03	0.91-1.17	0.60	0.97
rs11210029	0.94	0.85-1.04	0.26	0.84	1.01	0.91-1.13	0.83	0.99
rs112204826	0.88	0.63-1.2	0.42	0.93	1.14	0.81-1.59	0.44	0.97
rs11222084	1.00	0.9-1.11	0.99	1.00	1.01	0.9-1.14	0.81	0.99
rs11222386	0.99	0.87-1.13	0.91	0.99	1.01	0.88-1.17	0.86	0.99
rs112260610	1.00	0.87-1.16	0.96	1.00	0.98	0.83-1.14	0.76	0.98
rs112280096	1.04	0.93-1.17	0.51	0.96	1.07	0.94-1.21	0.32	0.93
rs1124235	1.11	0.96-1.27	0.15	0.80	0.92	0.78-1.08	0.30	0.93
rs11248862	1.14	0.94-1.38	0.16	0.80	1.03	0.83-1.27	0.81	0.99
rs112557609	1.01	0.91-1.13	0.84	0.99	0.91	0.8-1.03	0.13	0.93
rs11256837	0.99	0.87-1.13	0.92	0.99	0.96	0.83-1.11	0.56	0.97
rs1126464	1.10	0.98-1.23	0.09	0.76	1.11	0.98-1.25	0.11	0.88
rs112875651	1.14	1.03-1.27	0.01	0.45	1.07	0.95-1.2	0.27	0.93
rs112925537	1.05	0.93-1.18	0.42	0.93	0.95	0.83-1.09	0.48	0.97
rs113134141	1.04	0.84-1.27	0.74	0.99	1.00	0.79-1.26	1.00	1.00
rs113161639	1.00	0.81-1.23	0.97	1.00	1.15	0.91-1.46	0.26	0.93
rs1133400	0.98	0.86-1.12	0.79	0.99	1.03	0.89-1.19	0.70	0.98
rs114407963	0.88	0.73-1.06	0.18	0.80	0.90	0.74-1.1	0.30	0.93
rs11442819	1.07	0.92-1.25	0.36	0.91	1.05	0.89-1.24	0.57	0.97
rs114503346	0.84	0.65-1.08	0.17	0.80	0.95	0.71-1.29	0.75	0.98
rs114534	1.08	0.97-1.19	0.16	0.80	1.10	0.98-1.23	0.11	0.88
rs11486794	0.96	0.83-1.12	0.60	0.97	0.95	0.8-1.12	0.51	0.97
rs115172170	1.14	0.86-1.5	0.35	0.91	1.20	0.87-1.63	0.27	0.93

rs115231027	1.16	1.02-1.31	0.02	0.49	1.01	0.87-1.16	0.92	0.99
rs1152958	1.01	0.9-1.13	0.92	0.99	0.96	0.84-1.09	0.49	0.97
rs1154214	1.01	0.91-1.11	0.87	0.99	1.06	0.95-1.18	0.33	0.93
rs11556924	1.03	0.93-1.14	0.54	0.96	1.04	0.93-1.16	0.50	0.97
rs11571376	1.13	1-1.27	0.04	0.60	1.06	0.92-1.21	0.41	0.97
rs11579440	1.13	0.97-1.31	0.11	0.79	1.00	0.85-1.18	0.97	1.00
rs11585169	1.02	0.92-1.13	0.75	0.99	1.07	0.95-1.19	0.27	0.93
rs1159201	0.97	0.86-1.08	0.55	0.96	0.99	0.87-1.12	0.87	0.99
rs11592107	1.15	1.03-1.29	0.01	0.45	0.98	0.86-1.11	0.77	0.98
rs11592166	1.10	0.95-1.28	0.20	0.81	1.02	0.87-1.21	0.78	0.98
rs11615689	1.05	0.93-1.19	0.41	0.93	1.10	0.95-1.26	0.20	0.93
rs11622562	1.09	0.98-1.21	0.11	0.79	1.02	0.91-1.15	0.68	0.98
rs11623535	1.02	0.91-1.14	0.72	0.99	1.07	0.94-1.22	0.30	0.93
rs11626434	1.00	0.91-1.11	0.93	0.99	1.04	0.93-1.16	0.50	0.97
rs11627326	1.06	0.94-1.19	0.35	0.91	1.08	0.95-1.24	0.23	0.93
rs11628933	1.07	0.95-1.21	0.28	0.86	1.03	0.9-1.18	0.70	0.98
rs11631778	1.07	0.96-1.19	0.25	0.83	1.09	0.97-1.23	0.16	0.93
rs11632112	1.08	0.97-1.21	0.17	0.80	1.02	0.91-1.15	0.73	0.98
rs11632436	1.04	0.94-1.16	0.40	0.93	0.95	0.85-1.06	0.34	0.93
rs11634028	0.90	0.75-1.07	0.23	0.82	0.78	0.64-0.96	0.02	0.77
rs11636251	1.02	0.91-1.14	0.71	0.99	0.93	0.82-1.05	0.26	0.93
rs11638064	1.09	0.96-1.23	0.19	0.80	0.98	0.85-1.13	0.82	0.99
rs11639856	1.04	0.91-1.2	0.58	0.96	0.95	0.81-1.11	0.51	0.97
rs11641374	1.06	0.96-1.18	0.25	0.83	1.06	0.95-1.2	0.30	0.93
rs11642631	1.06	0.96-1.17	0.25	0.83	1.03	0.92-1.15	0.59	0.97
rs11643209	1.10	0.99-1.22	0.08	0.72	0.96	0.86-1.08	0.48	0.97
rs11665020	1.02	0.92-1.14	0.69	0.99	1.00	0.89-1.14	0.96	1.00
rs11677932	0.99	0.9-1.11	0.92	0.99	0.94	0.83-1.05	0.27	0.93
rs11688682	0.94	0.82-1.08	0.40	0.93	1.02	0.87-1.2	0.76	0.98
rs11689667	1.05	0.95-1.17	0.30	0.86	1.12	1-1.25	0.05	0.83
rs11690961	1.08	0.9-1.31	0.41	0.93	1.09	0.89-1.34	0.43	0.97
rs11694601	1.02	0.92-1.14	0.66	0.98	1.12	1-1.26	0.06	0.86
rs11701512	1.07	0.94-1.21	0.32	0.88	0.97	0.84-1.12	0.69	0.98
rs11708647	1.05	0.95-1.16	0.34	0.89	1.06	0.95-1.19	0.29	0.93
rs117204111	1.69	1.12-2.62	0.02	0.47	0.99	0.67-1.48	0.95	1.00
rs11730129	0.93	0.82-1.05	0.22	0.82	1.10	0.96-1.27	0.17	0.93
rs11771693	0.97	0.87-1.08	0.58	0.96	1.11	0.98-1.25	0.11	0.88
rs11774829	1.06	0.92-1.23	0.42	0.93	1.10	0.93-1.3	0.26	0.93
rs117770268	1.02	0.71-1.5	0.90	0.99	0.72	0.48-1.08	0.11	0.88
rs11789875	0.97	0.83-1.12	0.67	0.98	1.10	0.93-1.3	0.25	0.93
rs11876341	1.12	0.99-1.25	0.06	0.69	1.10	0.97-1.25	0.15	0.93
rs11901929	0.94	0.84-1.06	0.32	0.88	1.04	0.92-1.18	0.53	0.97
rs11923667	1.05	0.95-1.17	0.30	0.87	1.05	0.93-1.17	0.44	0.97
rs11977526	0.95	0.86-1.05	0.32	0.88	1.08	0.97-1.22	0.17	0.93
rs11993898	0.96	0.83-1.1	0.57	0.96	1.08	0.92-1.25	0.35	0.93
rs12034319	0.97	0.85-1.11	0.66	0.98	0.92	0.79-1.06	0.24	0.93
rs12037669	1.12	0.96-1.31	0.15	0.80	1.09	0.92-1.3	0.31	0.93
rs12042924	1.01	0.91-1.12	0.88	0.99	1.03	0.91-1.16	0.64	0.98
rs12050260	1.10	0.99-1.21	0.07	0.71	1.14	1.01-1.27	0.03	0.81
rs12052761	1.03	0.93-1.14	0.59	0.96	0.95	0.85-1.07	0.39	0.95
rs1205445	0.90	0.8-1.01	0.08	0.72	0.92	0.81-1.05	0.21	0.93
rs12078697	1.01	0.89-1.15	0.85	0.99	1.09	0.94-1.26	0.25	0.93
rs12088448	1.15	1.03-1.28	0.01	0.45	1.07	0.95-1.21	0.27	0.93
rs12116637	0.99	0.88-1.1	0.78	0.99	0.98	0.87-1.1	0.73	0.98
rs12142296	1.08	0.93-1.25	0.30	0.87	1.06	0.9-1.25	0.47	0.97
rs12153395	1.18	1-1.39	0.05	0.61	1.00	0.84-1.2	0.96	1.00
rs1215469	1.09	0.96-1.24	0.20	0.80	1.10	0.96-1.28	0.18	0.93
rs12172847	0.96	0.86-1.07	0.44	0.94	1.04	0.93-1.17	0.48	0.97
rs12184466	1.22	1.03-1.46	0.02	0.49	0.88	0.72-1.08	0.22	0.93
rs12195276	1.05	0.94-1.18	0.39	0.93	1.05	0.92-1.19	0.49	0.97
rs12206253	1.18	1-1.39	0.05	0.64	0.92	0.78-1.1	0.37	0.94
rs12208834	1.08	0.97-1.21	0.17	0.80	1.01	0.89-1.15	0.84	0.99
rs12216497	1.12	1.01-1.25	0.03	0.49	1.02	0.91-1.14	0.78	0.98
rs12216886	1.04	0.92-1.18	0.56	0.96	1.00	0.87-1.15	0.99	1.00
rs12243859	1.10	0.98-1.24	0.11	0.78	1.01	0.89-1.14	0.92	0.99
rs12247028	1.16	1.02-1.33	0.03	0.50	1.14	0.98-1.32	0.09	0.88
rs12248718	1.06	0.95-1.18	0.27	0.86	1.08	0.96-1.22	0.22	0.93
rs12258967	1.07	0.95-1.21	0.29	0.86	0.96	0.84-1.1	0.55	0.97

rs12286721	1.13	1.03-1.25	0.01	0.45	1.00	0.9-1.12	0.96	1.00
rs1232482	1.03	0.93-1.14	0.57	0.96	1.03	0.92-1.15	0.61	0.98
rs12325702	1.02	0.92-1.14	0.68	0.99	0.84	0.75-0.95	0.00	0.57
rs12405515	0.96	0.87-1.06	0.39	0.93	1.15	1.03-1.28	0.02	0.77
rs12454712	1.01	0.87-1.16	0.94	1.00	0.96	0.82-1.12	0.58	0.97
rs12473688	1.07	0.96-1.2	0.23	0.82	1.07	0.94-1.21	0.29	0.93
rs12474050	1.00	0.89-1.11	0.93	0.99	1.01	0.89-1.14	0.91	0.99
rs12474446	0.93	0.81-1.06	0.29	0.86	0.89	0.77-1.04	0.14	0.93
rs12485003	1.16	0.95-1.41	0.15	0.80	0.69	0.55-0.88	0.00	0.57
rs1250129	0.99	0.84-1.17	0.90	0.99	1.08	0.89-1.3	0.43	0.97
rs1250259	1.13	1.01-1.27	0.04	0.55	0.95	0.83-1.08	0.44	0.97
rs12504699	1.04	0.94-1.15	0.46	0.96	0.97	0.87-1.08	0.58	0.97
rs12511169	0.99	0.9-1.1	0.90	0.99	1.02	0.91-1.15	0.77	0.98
rs12511987	0.96	0.84-1.08	0.50	0.96	1.00	0.87-1.15	0.95	1.00
rs12515541	1.04	0.94-1.17	0.44	0.94	0.99	0.88-1.12	0.92	0.99
rs12538229	0.94	0.82-1.09	0.41	0.93	1.03	0.88-1.22	0.70	0.98
rs12572586	1.11	0.87-1.4	0.40	0.93	1.17	0.89-1.53	0.25	0.93
rs12574332	1.10	0.94-1.29	0.25	0.83	0.91	0.76-1.1	0.33	0.93
rs12583615	1.03	0.91-1.17	0.64	0.98	1.10	0.95-1.27	0.19	0.93
rs12605156	1.07	0.95-1.21	0.29	0.86	0.90	0.79-1.03	0.13	0.93
rs12606620	1.11	0.98-1.25	0.11	0.80	1.15	1-1.32	0.05	0.83
rs1261744	1.07	0.95-1.21	0.27	0.85	1.02	0.89-1.17	0.78	0.98
rs12627651	1.14	1.02-1.28	0.02	0.49	0.97	0.85-1.1	0.63	0.98
rs12630213	1.06	0.95-1.18	0.29	0.86	0.98	0.86-1.1	0.69	0.98
rs12636552	0.97	0.87-1.09	0.65	0.98	0.99	0.88-1.12	0.87	0.99
rs1263671	1.06	0.92-1.21	0.42	0.93	0.94	0.81-1.1	0.47	0.97
rs12638085	0.99	0.89-1.1	0.82	0.99	1.01	0.9-1.14	0.83	0.99
rs12656497*	1.01	0.91-1.11	0.88	0.99	0.99	0.89-1.11	0.91	0.99
rs1265842	0.98	0.88-1.08	0.63	0.97	0.97	0.87-1.09	0.65	0.98
rs12668436	1.03	0.92-1.15	0.66	0.98	1.00	0.88-1.13	0.94	1.00
rs12670854	1.03	0.83-1.27	0.81	0.99	0.79	0.63-0.99	0.04	0.81
rs12694277	0.96	0.85-1.08	0.49	0.96	1.04	0.92-1.19	0.52	0.97
rs12701929	0.99	0.85-1.15	0.88	0.99	0.96	0.81-1.14	0.68	0.98
rs12703989	1.04	0.92-1.18	0.56	0.96	1.02	0.88-1.17	0.81	0.99
rs12705390	1.06	0.94-1.19	0.37	0.92	1.12	0.98-1.28	0.10	0.88
rs1271309	1.11	0.96-1.27	0.15	0.80	1.03	0.89-1.2	0.69	0.98
rs12731740	1.04	0.9-1.2	0.62	0.97	1.05	0.89-1.23	0.57	0.97
rs1275988	1.08	0.97-1.19	0.16	0.80	1.09	0.97-1.22	0.14	0.93
rs12770172	0.97	0.85-1.11	0.68	0.99	1.04	0.9-1.21	0.60	0.97
rs12787709	1.03	0.93-1.14	0.58	0.96	1.15	1.03-1.29	0.02	0.77
rs12807220	0.94	0.85-1.05	0.29	0.86	0.96	0.85-1.07	0.45	0.97
rs12906962*	0.96	0.86-1.06	0.41	0.93	1.06	0.95-1.19	0.31	0.93
rs12916871	1.19	1.06-1.34	0.00	0.31	1.04	0.92-1.18	0.53	0.97
rs12921187	1.01	0.92-1.12	0.78	0.99	0.98	0.87-1.09	0.67	0.98
rs12928482	1.09	0.97-1.22	0.15	0.80	1.12	0.99-1.27	0.08	0.88
rs12946454	1.09	0.97-1.22	0.14	0.80	1.05	0.93-1.19	0.45	0.97
rs12958173	0.98	0.89-1.09	0.77	0.99	1.01	0.9-1.14	0.85	0.99
rs12966571	1.01	0.88-1.16	0.88	0.99	0.85	0.73-0.99	0.04	0.81
rs12979	0.96	0.83-1.12	0.59	0.96	1.00	0.85-1.19	0.97	1.00
rs12982298	0.99	0.89-1.1	0.84	0.99	0.98	0.87-1.11	0.78	0.98
rs12983238	0.97	0.86-1.1	0.67	0.98	1.12	0.98-1.29	0.10	0.88
rs12990959	0.97	0.87-1.07	0.55	0.96	1.01	0.9-1.14	0.83	0.99
rs13001283	0.99	0.87-1.13	0.92	0.99	1.03	0.89-1.2	0.66	0.98
rs13002573	1.01	0.91-1.13	0.83	0.99	1.07	0.94-1.2	0.31	0.93
rs13014371	0.93	0.85-1.03	0.18	0.80	0.98	0.88-1.09	0.71	0.98
rs13024657	1.02	0.88-1.18	0.78	0.99	1.08	0.92-1.27	0.33	0.93
rs13042148	0.98	0.85-1.14	0.83	0.99	0.99	0.84-1.17	0.90	0.99
rs13050325	1.02	0.9-1.14	0.79	0.99	1.05	0.92-1.19	0.50	0.97
rs13082711	0.98	0.88-1.1	0.77	0.99	1.08	0.96-1.23	0.20	0.93
rs13107325	1.22	0.91-1.65	0.19	0.80	1.41	1.01-2.01	0.05	0.83
rs13112725	1.11	0.96-1.28	0.17	0.80	0.96	0.82-1.12	0.62	0.98
rs13122790	1.05	0.94-1.18	0.41	0.93	0.96	0.85-1.09	0.56	0.97
rs13139571	1.15	1.01-1.3	0.04	0.55	0.95	0.82-1.09	0.44	0.97
rs13163538	0.92	0.8-1.04	0.18	0.80	0.99	0.86-1.15	0.93	1.00
rs13179413	1.00	0.88-1.15	0.96	1.00	0.87	0.74-1.01	0.07	0.88
rs13205180	0.99	0.9-1.1	0.90	0.99	1.06	0.95-1.19	0.29	0.93
rs1322639	0.97	0.85-1.09	0.58	0.96	1.04	0.91-1.2	0.57	0.97
rs13227393	0.92	0.78-1.09	0.33	0.89	1.10	0.91-1.31	0.31	0.93

rs13238550	1.04	0.94-1.15	0.41	0.93	0.99	0.89-1.1	0.84	0.99
rs13253358	0.99	0.89-1.11	0.87	0.99	1.07	0.94-1.21	0.32	0.93
rs13263073	1.08	0.96-1.22	0.20	0.81	1.08	0.95-1.23	0.26	0.93
rs1327235	1.09	0.99-1.2	0.10	0.76	1.02	0.91-1.13	0.76	0.98
rs13288002	0.97	0.87-1.07	0.54	0.96	1.03	0.92-1.16	0.59	0.97
rs13290326	1.05	0.95-1.16	0.35	0.91	0.93	0.83-1.05	0.24	0.93
rs13303	1.01	0.91-1.12	0.85	0.99	1.11	0.99-1.24	0.08	0.88
rs13306561*	1.12	0.98-1.29	0.09	0.75	1.20	1.03-1.39	0.02	0.77
rs1331012	1.09	0.97-1.22	0.15	0.80	1.01	0.89-1.15	0.83	0.99
rs1332813	1.00	0.9-1.11	0.99	1.00	1.09	0.97-1.22	0.16	0.93
rs1333047	1.03	0.93-1.14	0.52	0.96	1.05	0.94-1.17	0.41	0.97
rs13333226*	1.11	0.98-1.27	0.09	0.76	1.11	0.97-1.28	0.14	0.93
rs1334576	1.01	0.91-1.11	0.89	0.99	0.96	0.86-1.08	0.50	0.97
rs13359291	0.99	0.89-1.1	0.85	0.99	1.00	0.89-1.13	0.99	1.00
rs13403122	1.00	0.89-1.13	0.97	1.00	0.89	0.79-1.01	0.08	0.88
rs134041	0.99	0.89-1.09	0.78	0.99	1.09	0.97-1.22	0.13	0.93
rs13420463	1.14	1.02-1.28	0.03	0.50	1.10	0.96-1.25	0.16	0.93
rs1344653	1.01	0.92-1.12	0.83	0.99	1.08	0.97-1.21	0.17	0.93
rs1347345	1.11	1-1.23	0.04	0.60	1.02	0.91-1.14	0.78	0.98
rs1350100	1.01	0.91-1.12	0.84	0.99	1.01	0.9-1.12	0.92	0.99
rs1361831	0.99	0.89-1.09	0.80	0.99	1.01	0.9-1.13	0.86	0.99
rs1371182	1.00	0.9-1.1	0.98	1.00	1.01	0.9-1.13	0.89	0.99
rs1378942*	1.02	0.92-1.14	0.65	0.98	1.05	0.94-1.18	0.38	0.95
rs13796	1.11	0.93-1.32	0.27	0.85	0.89	0.73-1.09	0.28	0.93
rs137993948	0.87	0.76-1	0.05	0.64	0.86	0.74-1	0.06	0.83
rs138650910	1.13	0.92-1.37	0.24	0.82	1.01	0.81-1.26	0.92	0.99
rs138877676	0.84	0.49-1.47	0.53	0.96	1.66	0.85-3.45	0.15	0.93
rs138957616	0.89	0.7-1.13	0.35	0.90	0.99	0.77-1.27	0.95	1.00
rs139354822	1.05	0.85-1.31	0.64	0.97	1.13	0.89-1.45	0.32	0.93
rs139385870	0.97	0.87-1.08	0.54	0.96	0.92	0.81-1.03	0.16	0.93
rs142449193	1.17	0.88-1.57	0.29	0.86	0.87	0.64-1.18	0.36	0.93
rs143112823	0.93	0.74-1.19	0.58	0.96	1.11	0.84-1.46	0.47	0.97
rs1432457	0.99	0.89-1.11	0.90	0.99	1.04	0.92-1.18	0.53	0.97
rs1436206	0.98	0.89-1.09	0.74	0.99	1.02	0.91-1.13	0.79	0.98
rs1438896	1.05	0.94-1.16	0.38	0.93	1.07	0.95-1.2	0.27	0.93
rs144317085	1.22	0.9-1.63	0.19	0.80	1.18	0.84-1.64	0.34	0.93
rs1446468	0.97	0.88-1.07	0.52	0.96	1.03	0.92-1.15	0.61	0.98
rs1449544	1.06	0.96-1.17	0.27	0.85	1.05	0.94-1.18	0.38	0.95
rs1450271	0.97	0.88-1.07	0.54	0.96	1.11	0.99-1.24	0.08	0.88
rs1468520	0.91	0.8-1.03	0.12	0.80	1.03	0.9-1.18	0.65	0.98
rs1475130	1.02	0.92-1.14	0.67	0.98	1.01	0.89-1.13	0.92	0.99
rs147696085	1.03	0.87-1.23	0.70	0.99	0.92	0.77-1.12	0.41	0.97
rs1486236	0.99	0.89-1.1	0.87	0.99	0.97	0.86-1.09	0.61	0.98
rs1489110	1.02	0.92-1.14	0.66	0.98	1.01	0.89-1.14	0.87	0.99
rs150816167	0.98	0.72-1.32	0.89	0.99	0.95	0.67-1.33	0.76	0.98
rs151054210	0.97	0.85-1.1	0.61	0.97	1.02	0.89-1.18	0.74	0.98
rs1530440	1.03	0.91-1.18	0.62	0.97	1.10	0.95-1.27	0.21	0.93
rs1544935	0.99	0.89-1.11	0.86	0.99	0.92	0.81-1.04	0.16	0.93
rs1551355	1.00	0.88-1.14	0.97	1.00	1.07	0.92-1.24	0.36	0.93
rs1565716	1.26	1.03-1.52	0.02	0.49	1.04	0.82-1.31	0.74	0.98
rs1566497	1.09	0.99-1.21	0.09	0.75	1.03	0.92-1.16	0.56	0.97
rs1570350	1.00	0.9-1.11	0.97	1.00	1.06	0.94-1.18	0.34	0.93
rs157678	0.96	0.85-1.09	0.53	0.96	1.01	0.88-1.15	0.92	0.99
rs1607644	0.98	0.89-1.09	0.72	0.99	1.00	0.89-1.12	0.98	1.00
rs1620668	1.06	0.95-1.19	0.30	0.87	1.08	0.95-1.23	0.24	0.93
rs1630266	0.91	0.72-1.13	0.38	0.93	1.04	0.82-1.32	0.74	0.98
rs1630736	1.01	0.89-1.14	0.90	0.99	1.12	0.98-1.29	0.09	0.88
rs1646010	1.00	0.88-1.13	0.98	1.00	0.97	0.84-1.11	0.64	0.98
rs167479	1.19	1.08-1.32	0.00	0.27	1.01	0.9-1.12	0.91	0.99
rs16823124	1.04	0.93-1.16	0.47	0.96	1.06	0.94-1.19	0.35	0.93
rs16851397	1.21	0.94-1.55	0.13	0.80	0.99	0.73-1.32	0.94	1.00
rs168643	1.08	0.97-1.2	0.17	0.80	1.04	0.92-1.17	0.55	0.97
rs169080	0.98	0.88-1.1	0.73	0.99	1.07	0.94-1.21	0.31	0.93
rs169287	1.02	0.9-1.15	0.78	0.99	1.10	0.95-1.26	0.21	0.93
rs1694068	1.03	0.93-1.13	0.62	0.97	0.99	0.89-1.11	0.92	0.99
rs16948048	1.02	0.92-1.13	0.74	0.99	1.03	0.92-1.16	0.58	0.97
rs16954120	1.00	0.82-1.24	0.97	1.00	1.20	0.95-1.54	0.13	0.93
rs16998073*	1.13	1.02-1.25	0.02	0.49	1.13	1-1.27	0.04	0.83

rs17010957	1.00	0.88-1.13	0.94	1.00	1.04	0.9-1.19	0.62	0.98
rs17035181	1.16	0.99-1.36	0.06	0.70	0.93	0.79-1.09	0.36	0.93
rs17046596	1.06	0.95-1.18	0.27	0.85	1.03	0.91-1.16	0.65	0.98
rs17059668	0.97	0.79-1.2	0.80	0.99	0.83	0.65-1.06	0.14	0.93
rs1706003	1.14	1.02-1.28	0.03	0.49	1.08	0.95-1.23	0.22	0.93
rs17080093	1.07	0.89-1.3	0.47	0.96	0.99	0.8-1.22	0.90	0.99
rs17115145	1.00	0.9-1.11	1.00	1.00	1.02	0.91-1.14	0.76	0.98
rs17119370	0.94	0.83-1.05	0.27	0.85	0.93	0.82-1.06	0.28	0.93
rs1718845	0.85	0.76-0.94	0.00	0.29	1.05	0.93-1.19	0.45	0.97
rs17210898	0.96	0.78-1.18	0.70	0.99	1.16	0.91-1.48	0.24	0.93
rs17224476	1.13	0.92-1.38	0.23	0.82	1.15	0.92-1.43	0.23	0.93
rs1722886	0.94	0.85-1.03	0.19	0.80	1.01	0.9-1.13	0.92	0.99
rs17248480	0.69	0.4-1.19	0.17	0.80	1.52	0.76-3.27	0.26	0.93
rs17286052	0.91	0.77-1.08	0.30	0.86	1.02	0.84-1.23	0.86	0.99
rs17287293	1.02	0.89-1.17	0.75	0.99	0.93	0.79-1.09	0.35	0.93
rs17355629	1.09	0.89-1.34	0.43	0.93	0.90	0.73-1.13	0.37	0.94
rs17396055	1.01	0.9-1.12	0.89	0.99	1.01	0.9-1.14	0.85	0.99
rs17423264	1.13	0.9-1.43	0.30	0.87	1.18	0.92-1.53	0.21	0.93
rs17454517	0.97	0.88-1.07	0.52	0.96	1.02	0.91-1.13	0.78	0.98
rs17471509	1.02	0.92-1.12	0.76	0.99	1.06	0.95-1.18	0.33	0.93
rs17516329	1.01	0.9-1.12	0.92	0.99	1.06	0.94-1.2	0.33	0.93
rs17608766	1.21	1.05-1.4	0.01	0.43	0.94	0.79-1.11	0.45	0.97
rs17617337	1.01	0.9-1.13	0.92	0.99	1.00	0.88-1.14	0.95	1.00
rs1761870	1.11	0.98-1.25	0.11	0.78	1.04	0.91-1.2	0.54	0.97
rs17638167	1.48	1.09-2.05	0.01	0.45	1.12	0.82-1.55	0.48	0.97
rs17720594	1.01	0.66-1.59	0.96	1.00	1.31	0.81-2.18	0.29	0.93
rs177992	0.96	0.87-1.07	0.47	0.96	0.94	0.84-1.06	0.31	0.93
rs17804358	1.04	0.94-1.15	0.48	0.96	1.07	0.95-1.2	0.25	0.93
rs17831815	0.98	0.88-1.09	0.68	0.99	0.97	0.87-1.1	0.67	0.98
rs17880989	1.14	0.92-1.41	0.23	0.82	1.03	0.8-1.31	0.84	0.99
rs1799945*	1.14	0.98-1.32	0.09	0.75	0.94	0.79-1.12	0.51	0.97
rs1801253	1.14	1.02-1.28	0.02	0.49	1.00	0.88-1.13	0.98	1.00
rs1813353*	1.04	0.93-1.16	0.51	0.96	0.99	0.87-1.12	0.84	0.99
rs1821295	1.00	0.9-1.12	0.96	1.00	1.04	0.92-1.17	0.53	0.97
rs1837164	0.88	0.79-0.97	0.01	0.45	0.91	0.82-1.02	0.12	0.91
rs1840221	1.03	0.91-1.17	0.64	0.98	0.99	0.86-1.15	0.94	1.00
rs184457	1.04	0.93-1.17	0.47	0.96	1.07	0.94-1.21	0.33	0.93
rs1848510	1.03	0.93-1.15	0.55	0.96	1.03	0.91-1.15	0.65	0.98
rs185819	0.99	0.9-1.09	0.83	0.99	1.08	0.97-1.21	0.16	0.93
rs1861881	1.01	0.91-1.13	0.83	0.99	0.96	0.85-1.08	0.52	0.97
rs1869800	1.04	0.94-1.15	0.49	0.96	0.93	0.83-1.04	0.20	0.93
rs1870123	0.99	0.89-1.11	0.90	0.99	0.95	0.84-1.08	0.45	0.97
rs1870735	1.05	0.95-1.17	0.35	0.91	1.05	0.94-1.18	0.39	0.95
rs1876487	1.10	0.98-1.24	0.11	0.78	1.05	0.92-1.19	0.47	0.97
rs1878406	1.12	0.96-1.31	0.15	0.80	0.94	0.78-1.12	0.49	0.97
rs1878825	1.07	0.96-1.18	0.21	0.82	1.05	0.94-1.18	0.42	0.97
rs1882289	1.03	0.89-1.2	0.65	0.98	0.95	0.8-1.12	0.56	0.97
rs188911122	1.12	0.79-1.56	0.53	0.96	1.20	0.82-1.73	0.35	0.93
rs1891730	0.97	0.87-1.08	0.57	0.96	0.92	0.82-1.04	0.17	0.93
rs189267552	1.03	0.67-1.6	0.91	0.99	1.08	0.67-1.79	0.76	0.98
rs189593992	0.95	0.74-1.22	0.71	0.99	1.00	0.75-1.31	0.98	1.00
rs190194639	0.80	0.67-0.96	0.02	0.49	0.84	0.69-1.01	0.07	0.88
rs191784289	1.08	0.82-1.42	0.58	0.96	1.15	0.84-1.57	0.38	0.95
rs1923409	0.92	0.83-1.01	0.09	0.76	0.92	0.82-1.03	0.15	0.93
rs1925153	0.99	0.9-1.09	0.88	0.99	0.95	0.85-1.06	0.34	0.93
rs1938598	0.96	0.86-1.09	0.55	0.96	1.22	1.06-1.4	0.00	0.57
rs1947228	0.94	0.85-1.04	0.25	0.83	0.99	0.89-1.11	0.91	0.99
rs1966203	0.99	0.89-1.1	0.83	0.99	1.06	0.95-1.19	0.31	0.93
rs1966323	1.01	0.91-1.12	0.87	0.99	1.03	0.92-1.16	0.60	0.97
rs1975487	1.01	0.91-1.11	0.87	0.99	0.98	0.88-1.1	0.75	0.98
rs1986971	0.99	0.89-1.11	0.87	0.99	0.85	0.75-0.96	0.01	0.74
rs198823	1.04	0.93-1.15	0.51	0.96	1.03	0.92-1.16	0.60	0.97
rs1996992	1.13	0.88-1.46	0.34	0.90	0.94	0.72-1.24	0.67	0.98
rs2004776*	1.11	0.99-1.25	0.07	0.70	0.95	0.83-1.08	0.43	0.97
rs2005950	1.09	0.93-1.28	0.32	0.88	0.93	0.78-1.1	0.40	0.95
rs200688233	0.98	0.87-1.1	0.72	0.99	0.87	0.77-0.99	0.04	0.81
rs2009733	0.98	0.89-1.08	0.71	0.99	0.99	0.88-1.1	0.81	0.99
rs2012071	1.03	0.93-1.15	0.52	0.96	0.99	0.89-1.11	0.89	0.99

rs2012714	1.01	0.91-1.11	0.91	0.99	1.08	0.97-1.21	0.17	0.93
rs2014408	1.05	0.92-1.2	0.48	0.96	0.91	0.79-1.06	0.24	0.93
rs2014912	0.97	0.85-1.1	0.59	0.96	1.02	0.89-1.17	0.78	0.98
rs2024385	1.00	0.89-1.12	0.96	1.00	1.01	0.89-1.15	0.90	0.99
rs2034618	0.97	0.86-1.1	0.63	0.97	1.03	0.9-1.18	0.67	0.98
rs20354	1.13	0.95-1.33	0.16	0.80	1.24	1.03-1.49	0.02	0.78
rs2049814	0.99	0.89-1.09	0.81	0.99	1.08	0.96-1.2	0.20	0.93
rs2050663	1.01	0.91-1.11	0.92	0.99	1.03	0.92-1.16	0.57	0.97
rs2065152	1.02	0.92-1.13	0.67	0.98	0.93	0.83-1.05	0.25	0.93
rs2069833	1.07	0.97-1.18	0.19	0.80	1.00	0.9-1.12	0.97	1.00
rs2071518	1.07	0.95-1.2	0.25	0.83	1.05	0.93-1.2	0.41	0.97
rs2075665	0.97	0.88-1.07	0.57	0.96	0.96	0.86-1.08	0.53	0.97
rs210156	1.02	0.92-1.14	0.70	0.99	1.00	0.89-1.13	0.94	1.00
rs210314	0.96	0.87-1.06	0.46	0.96	1.07	0.96-1.19	0.23	0.93
rs2107595	1.10	0.97-1.25	0.14	0.80	1.23	1.06-1.41	0.01	0.57
rs2139629	1.00	0.87-1.15	0.99	1.00	1.03	0.88-1.2	0.72	0.98
rs2142141	0.93	0.83-1.03	0.14	0.80	1.02	0.91-1.14	0.75	0.98
rs2143635	0.97	0.81-1.15	0.71	0.99	1.08	0.89-1.3	0.43	0.97
rs2162003	1.09	0.98-1.21	0.12	0.80	1.06	0.94-1.19	0.32	0.93
rs2165197	1.01	0.91-1.11	0.87	0.99	0.93	0.83-1.04	0.22	0.93
rs2166122	1.11	0.96-1.28	0.17	0.80	1.08	0.92-1.26	0.36	0.93
rs2171690	0.93	0.84-1.03	0.19	0.80	1.03	0.92-1.15	0.63	0.98
rs2178452	1.01	0.91-1.12	0.82	0.99	1.01	0.9-1.13	0.90	0.99
rs2187668	0.99	0.85-1.16	0.92	0.99	1.13	0.95-1.36	0.18	0.93
rs2188962	1.15	1.03-1.27	0.01	0.43	1.12	1-1.25	0.06	0.83
rs220249	1.08	0.97-1.19	0.15	0.80	0.97	0.87-1.09	0.59	0.97
rs2205260	0.97	0.84-1.1	0.60	0.97	0.98	0.84-1.13	0.75	0.98
rs2215590	1.06	0.94-1.19	0.34	0.89	0.89	0.77-1.02	0.08	0.88
rs2222544	0.93	0.83-1.04	0.23	0.82	1.01	0.89-1.14	0.91	0.99
rs223361	1.05	0.95-1.17	0.34	0.90	1.02	0.9-1.15	0.78	0.98
rs2236973	1.12	0.98-1.28	0.10	0.77	1.04	0.89-1.21	0.66	0.98
rs2240736	1.02	0.91-1.14	0.73	0.99	0.98	0.87-1.11	0.77	0.98
rs2244643	0.97	0.87-1.08	0.58	0.96	1.09	0.96-1.23	0.18	0.93
rs2246438	0.96	0.86-1.07	0.43	0.94	1.00	0.88-1.13	1.00	1.00
rs2270860	0.97	0.86-1.08	0.56	0.96	1.01	0.89-1.15	0.86	0.99
rs2277788	1.00	0.84-1.19	0.97	1.00	1.04	0.86-1.25	0.70	0.98
rs2280861	1.08	0.96-1.22	0.21	0.82	1.17	1.02-1.34	0.02	0.78
rs2282978	1.01	0.91-1.12	0.90	0.99	0.94	0.84-1.06	0.32	0.93
rs2289081	1.11	0.99-1.24	0.06	0.69	1.05	0.93-1.19	0.40	0.95
rs2289125	0.91	0.81-1.02	0.10	0.77	0.88	0.78-1.01	0.07	0.88
rs2290273	1.04	0.94-1.16	0.43	0.93	0.98	0.87-1.1	0.72	0.98
rs2291435	1.08	0.97-1.2	0.14	0.80	1.03	0.92-1.15	0.63	0.98
rs2300481	0.88	0.79-0.98	0.02	0.49	1.04	0.93-1.17	0.50	0.97
rs2302061	1.27	1.07-1.49	0.00	0.35	1.24	1.02-1.49	0.03	0.78
rs2304130	0.92	0.77-1.1	0.37	0.92	0.96	0.79-1.17	0.71	0.98
rs2306374	1.12	0.98-1.28	0.10	0.76	1.07	0.92-1.25	0.35	0.93
rs231708	0.95	0.86-1.06	0.38	0.93	1.15	1.03-1.3	0.02	0.77
rs2325885	0.89	0.79-1	0.04	0.59	0.95	0.84-1.08	0.43	0.97
rs2354862	1.11	1-1.24	0.05	0.64	1.04	0.92-1.17	0.53	0.97
rs2360970	1.07	0.96-1.18	0.22	0.82	1.02	0.91-1.15	0.73	0.98
rs2379829	1.03	0.92-1.15	0.65	0.98	0.98	0.86-1.11	0.74	0.98
rs2384550	1.07	0.96-1.18	0.21	0.82	0.96	0.86-1.07	0.46	0.97
rs2390258	1.03	0.91-1.16	0.65	0.98	1.09	0.95-1.24	0.21	0.93
rs2393455	1.03	0.92-1.15	0.61	0.97	0.96	0.85-1.09	0.54	0.97
rs2400509	0.93	0.83-1.04	0.18	0.80	1.10	0.97-1.25	0.15	0.93
rs2404715	1.03	0.86-1.23	0.76	0.99	1.03	0.85-1.27	0.74	0.98
rs2424908	0.92	0.82-1.04	0.18	0.80	0.98	0.86-1.12	0.81	0.99
rs2428939	1.06	0.96-1.18	0.26	0.85	1.09	0.97-1.23	0.15	0.93
rs2440907	0.96	0.87-1.06	0.46	0.96	0.97	0.87-1.08	0.57	0.97
rs2450128	0.97	0.86-1.1	0.64	0.97	0.91	0.8-1.05	0.19	0.93
rs2467099	1.11	0.97-1.27	0.13	0.80	1.13	0.98-1.31	0.10	0.88
rs246973	1.04	0.93-1.17	0.51	0.96	1.05	0.92-1.19	0.48	0.97
rs2480171	1.01	0.88-1.17	0.86	0.99	1.04	0.88-1.21	0.67	0.98
rs2493134	1.13	1.02-1.25	0.02	0.49	0.97	0.86-1.09	0.59	0.97
rs2493292	1.01	0.89-1.15	0.89	0.99	1.08	0.94-1.25	0.27	0.93
rs2494184	1.03	0.93-1.14	0.56	0.96	0.98	0.87-1.09	0.66	0.98
rs2498323	0.96	0.77-1.18	0.69	0.99	0.93	0.73-1.17	0.52	0.97
rs2504776	1.12	0.93-1.36	0.23	0.82	1.11	0.9-1.37	0.32	0.93

rs2530225	1.10	1-1.22	0.06	0.69	1.04	0.93-1.17	0.45	0.97
rs255299	0.97	0.88-1.08	0.59	0.96	1.04	0.93-1.16	0.51	0.97
rs256837	0.92	0.81-1.04	0.19	0.80	0.99	0.86-1.14	0.90	0.99
rs256904	1.01	0.9-1.13	0.86	0.99	0.96	0.84-1.09	0.52	0.97
rs2569842	0.98	0.88-1.09	0.72	0.99	1.11	0.98-1.25	0.09	0.88
rs2579503	0.99	0.89-1.1	0.82	0.99	1.01	0.9-1.14	0.82	0.99
rs2579519	0.97	0.87-1.08	0.55	0.96	0.94	0.83-1.05	0.27	0.93
rs2581468	1.02	0.89-1.16	0.78	0.99	1.13	0.98-1.32	0.10	0.88
rs2585810	1.04	0.94-1.15	0.48	0.96	1.11	0.99-1.25	0.07	0.88
rs2594992	1.01	0.91-1.11	0.90	0.99	1.04	0.93-1.16	0.54	0.97
rs260508	1.02	0.92-1.12	0.77	0.99	1.06	0.94-1.18	0.34	0.93
rs2610990	1.02	0.92-1.14	0.69	0.99	0.96	0.85-1.09	0.56	0.97
rs2613765	1.03	0.93-1.14	0.61	0.97	1.11	0.99-1.24	0.09	0.88
rs2618647	1.07	0.97-1.18	0.17	0.80	1.01	0.9-1.13	0.89	0.99
rs2629665	0.93	0.84-1.03	0.17	0.80	0.91	0.81-1.01	0.08	0.88
rs262986	1.00	0.9-1.11	0.99	1.00	1.07	0.95-1.2	0.26	0.93
rs2631669	0.96	0.87-1.06	0.40	0.93	0.95	0.85-1.06	0.40	0.96
rs2645466	1.04	0.94-1.16	0.44	0.94	1.08	0.96-1.21	0.19	0.93
rs2656523	0.99	0.86-1.14	0.87	0.99	1.00	0.85-1.17	0.96	1.00
rs267539	1.01	0.92-1.12	0.81	0.99	1.12	1-1.25	0.05	0.83
rs267540	1.04	0.94-1.15	0.44	0.94	1.02	0.91-1.14	0.75	0.98
rs2681492*	1.14	0.97-1.33	0.11	0.79	1.10	0.93-1.31	0.28	0.93
rs2688716	0.95	0.83-1.1	0.51	0.96	0.96	0.82-1.12	0.61	0.98
rs2706110	1.01	0.89-1.14	0.89	0.99	1.15	1-1.32	0.05	0.83
rs2707238	1.08	0.96-1.21	0.19	0.80	1.04	0.91-1.18	0.55	0.97
rs2729835	0.97	0.87-1.08	0.61	0.97	0.92	0.82-1.04	0.18	0.93
rs273957	1.03	0.93-1.14	0.63	0.97	0.93	0.83-1.04	0.18	0.93
rs2745599	1.04	0.94-1.15	0.41	0.93	1.03	0.93-1.15	0.56	0.97
rs2760061	0.95	0.86-1.06	0.37	0.92	1.02	0.91-1.14	0.71	0.98
rs2761436	1.04	0.94-1.15	0.49	0.96	1.06	0.94-1.18	0.33	0.93
rs2780841	0.95	0.85-1.07	0.40	0.93	1.03	0.91-1.17	0.59	0.97
rs2782980	1.06	0.95-1.18	0.29	0.86	0.96	0.85-1.08	0.49	0.97
rs2807337	1.03	0.94-1.14	0.51	0.96	1.02	0.91-1.14	0.77	0.98
rs2820443	1.11	0.99-1.25	0.06	0.69	1.03	0.91-1.16	0.68	0.98
rs28362590	1.05	0.93-1.19	0.41	0.93	1.08	0.95-1.23	0.25	0.93
rs28377357	1.07	0.96-1.19	0.24	0.82	1.06	0.94-1.19	0.34	0.93
rs28451064	1.14	0.97-1.34	0.12	0.80	1.01	0.84-1.21	0.94	1.00
rs28470843	0.95	0.85-1.05	0.30	0.86	1.04	0.92-1.17	0.51	0.97
rs2848657	0.93	0.74-1.17	0.51	0.96	0.96	0.75-1.24	0.74	0.98
rs28499085	1.06	0.95-1.18	0.33	0.89	1.03	0.91-1.16	0.63	0.98
rs28558491	1.01	0.9-1.13	0.86	0.99	0.97	0.85-1.09	0.58	0.97
rs28558845	0.93	0.78-1.11	0.40	0.93	1.06	0.87-1.3	0.58	0.97
rs28578714	0.98	0.89-1.09	0.73	0.99	0.94	0.84-1.05	0.29	0.93
rs28594215	1.06	0.96-1.18	0.24	0.83	0.98	0.87-1.1	0.73	0.98
rs28663144	1.49	1.04-2.13	0.03	0.50	1.03	0.65-1.59	0.89	0.99
rs28667801	0.96	0.86-1.08	0.53	0.96	1.05	0.92-1.19	0.46	0.97
rs28675079	1.04	0.92-1.17	0.58	0.96	1.02	0.9-1.17	0.73	0.98
rs286809	1.05	0.92-1.19	0.47	0.96	1.13	0.98-1.3	0.09	0.88
rs2891546	1.04	0.86-1.27	0.67	0.98	1.09	0.88-1.36	0.41	0.97
rs2898290	1.04	0.94-1.15	0.40	0.93	1.03	0.92-1.15	0.65	0.98
rs2899463	0.96	0.87-1.06	0.43	0.93	1.00	0.89-1.12	0.99	1.00
rs2914609	1.05	0.9-1.22	0.52	0.96	0.92	0.78-1.09	0.36	0.93
rs2920899	1.02	0.9-1.14	0.79	0.99	1.00	0.88-1.14	1.00	1.00
rs2922895	1.09	0.99-1.21	0.09	0.75	0.95	0.85-1.06	0.38	0.95
rs2929184	1.07	0.94-1.21	0.30	0.86	1.03	0.9-1.18	0.66	0.98
rs2932538	1.02	0.91-1.14	0.77	0.99	1.11	0.98-1.27	0.11	0.88
rs2949837	0.96	0.84-1.09	0.49	0.96	1.16	1.01-1.34	0.04	0.83
rs296797	1.05	0.95-1.16	0.35	0.91	0.97	0.86-1.08	0.53	0.97
rs2969070	1.00	0.9-1.11	0.97	1.00	1.01	0.89-1.13	0.91	0.99
rs2971669	0.95	0.83-1.07	0.39	0.93	0.99	0.86-1.14	0.87	0.99
rs2972146	0.96	0.87-1.06	0.46	0.96	1.14	1.02-1.27	0.02	0.78
rs2972207	1.02	0.88-1.19	0.77	0.99	0.98	0.83-1.16	0.80	0.99
rs2978098	1.02	0.92-1.13	0.67	0.98	1.04	0.93-1.16	0.52	0.97
rs2978456	0.95	0.83-1.08	0.42	0.93	1.04	0.9-1.2	0.64	0.98
rs2979470	1.01	0.91-1.11	0.87	0.99	0.98	0.88-1.1	0.78	0.98
rs3011549	1.09	0.97-1.22	0.15	0.80	1.01	0.89-1.14	0.92	0.99
rs303343	0.93	0.83-1.03	0.16	0.80	0.98	0.87-1.1	0.69	0.98
rs3121685	1.05	0.95-1.16	0.34	0.90	0.92	0.82-1.03	0.14	0.93

rs3135967	0.98	0.88-1.08	0.66	0.98	1.00	0.89-1.11	0.94	1.00
rs3175	1.00	0.89-1.13	0.94	1.00	1.08	0.95-1.23	0.25	0.93
rs3176336	0.94	0.85-1.04	0.22	0.82	0.99	0.88-1.11	0.85	0.99
rs3184504	1.10	0.99-1.21	0.07	0.70	0.95	0.85-1.06	0.36	0.93
rs3191402	1.05	0.92-1.2	0.45	0.95	0.92	0.79-1.06	0.23	0.93
rs3218248	0.84	0.57-1.21	0.36	0.91	1.02	0.68-1.5	0.91	0.99
rs33996239	1.06	0.82-1.38	0.66	0.98	1.14	0.85-1.53	0.39	0.95
rs34070447	1.02	0.92-1.13	0.75	0.99	1.02	0.91-1.14	0.79	0.98
rs34072724	1.11	1.01-1.23	0.04	0.55	0.99	0.89-1.11	0.86	0.99
rs34130368	1.15	0.96-1.38	0.15	0.80	0.95	0.78-1.16	0.59	0.97
rs34161718	0.95	0.83-1.1	0.52	0.96	1.05	0.89-1.24	0.56	0.97
rs34163044	1.16	1.04-1.29	0.01	0.42	1.01	0.9-1.14	0.88	0.99
rs34163229	1.07	0.93-1.23	0.37	0.92	1.16	0.99-1.35	0.06	0.85
rs34294937	1.01	0.89-1.14	0.88	0.99	1.13	0.98-1.3	0.08	0.88
rs342989	1.06	0.94-1.2	0.32	0.88	0.94	0.82-1.08	0.39	0.95
rs34324971	1.01	0.86-1.19	0.87	0.99	0.99	0.83-1.18	0.94	1.00
rs34331990	0.95	0.86-1.06	0.37	0.92	0.89	0.79-1	0.05	0.83
rs34413141	1.16	1-1.33	0.04	0.60	0.95	0.81-1.1	0.48	0.97
rs34430710	1.02	0.91-1.13	0.78	0.99	1.07	0.95-1.21	0.27	0.93
rs34457140	1.01	0.9-1.12	0.92	0.99	1.09	0.97-1.24	0.15	0.93
rs34489224	1.04	0.91-1.19	0.57	0.96	1.03	0.89-1.2	0.67	0.98
rs34517439	1.16	0.92-1.49	0.22	0.82	1.26	0.97-1.65	0.08	0.88
rs34570306	1.01	0.91-1.12	0.88	0.99	1.07	0.95-1.21	0.26	0.93
rs34591516	1.33	1.11-1.6	0.00	0.28	1.09	0.87-1.36	0.43	0.97
rs34594435	1.06	0.93-1.2	0.38	0.93	1.10	0.96-1.27	0.19	0.93
rs347591	1.03	0.93-1.15	0.54	0.96	0.95	0.85-1.07	0.42	0.97
rs34783010	0.90	0.8-1.03	0.12	0.80	0.94	0.82-1.08	0.40	0.95
rs34868542	0.99	0.9-1.11	0.92	0.99	1.02	0.91-1.15	0.71	0.98
rs34872471	1.08	0.96-1.22	0.22	0.82	0.95	0.83-1.09	0.49	0.97
rs34877991	0.93	0.84-1.03	0.14	0.80	1.04	0.93-1.16	0.51	0.97
rs34887403	0.92	0.79-1.07	0.29	0.86	1.15	0.98-1.36	0.09	0.88
rs34941092	1.05	0.91-1.22	0.51	0.96	0.93	0.79-1.1	0.41	0.97
rs34983854	0.97	0.88-1.07	0.56	0.96	1.00	0.89-1.12	0.97	1.00
rs35189230	1.07	0.95-1.21	0.27	0.86	1.12	0.98-1.28	0.11	0.89
rs35199222	1.08	0.97-1.19	0.16	0.80	1.03	0.92-1.16	0.56	0.97
rs35287509	1.02	0.91-1.14	0.74	0.99	1.10	0.97-1.24	0.14	0.93
rs35410524	1.01	0.88-1.17	0.86	0.99	0.97	0.83-1.14	0.75	0.98
rs35444	1.02	0.92-1.13	0.69	0.99	1.09	0.97-1.22	0.15	0.93
rs35450617	0.99	0.89-1.11	0.93	0.99	0.92	0.82-1.05	0.21	0.93
rs35565381	0.97	0.88-1.08	0.60	0.97	0.97	0.87-1.09	0.62	0.98
rs35590893	1.06	0.95-1.19	0.28	0.86	1.10	0.98-1.25	0.12	0.92
rs35654783	0.97	0.87-1.09	0.63	0.97	1.12	0.98-1.27	0.09	0.88
rs356833	1.06	0.95-1.18	0.33	0.89	1.03	0.91-1.16	0.69	0.98
rs356926	1.10	0.97-1.24	0.13	0.80	1.00	0.87-1.14	0.96	1.00
rs357489	0.96	0.85-1.08	0.46	0.96	1.02	0.9-1.16	0.72	0.98
rs35796750	1.04	0.94-1.15	0.48	0.96	0.94	0.84-1.06	0.31	0.93
rs35895680	1.07	0.95-1.21	0.24	0.83	1.05	0.92-1.2	0.44	0.97
rs36010659	0.94	0.8-1.1	0.43	0.93	0.95	0.8-1.13	0.57	0.97
rs360153	1.10	1-1.22	0.06	0.69	0.99	0.88-1.11	0.86	0.99
rs36022378	1.01	0.89-1.15	0.84	0.99	1.14	0.99-1.31	0.06	0.88
rs36061333	1.13	0.99-1.3	0.07	0.70	0.99	0.86-1.15	0.92	0.99
rs36083386	0.95	0.82-1.11	0.54	0.96	1.15	0.97-1.35	0.10	0.88
rs36114380	1.01	0.89-1.15	0.92	0.99	1.03	0.89-1.19	0.69	0.98
rs36226649	0.87	0.71-1.07	0.19	0.80	0.83	0.66-1.03	0.10	0.88
rs367700296	0.95	0.85-1.07	0.41	0.93	1.05	0.93-1.19	0.43	0.97
rs3731818	0.98	0.88-1.09	0.68	0.99	0.96	0.85-1.09	0.51	0.97
rs3733215	0.99	0.89-1.09	0.80	0.99	1.14	1.02-1.27	0.02	0.78
rs3735533	1.22	1.04-1.45	0.02	0.49	0.99	0.83-1.19	0.90	0.99
rs3737801	0.99	0.78-1.26	0.95	1.00	1.22	0.93-1.6	0.15	0.93
rs3741378	0.99	0.86-1.13	0.87	0.99	1.08	0.93-1.27	0.30	0.93
rs3743157	0.87	0.76-1	0.05	0.64	1.07	0.92-1.24	0.39	0.95
rs3745318	1.02	0.9-1.17	0.73	0.99	1.08	0.93-1.25	0.30	0.93
rs3749237	0.99	0.89-1.1	0.85	0.99	1.10	0.98-1.24	0.09	0.88
rs3752728	1.04	0.92-1.18	0.51	0.96	1.08	0.95-1.24	0.25	0.93
rs3760994	1.04	0.91-1.19	0.58	0.96	1.00	0.86-1.17	0.95	1.00
rs3767199	1.09	0.98-1.21	0.12	0.80	1.07	0.96-1.21	0.23	0.93
rs3771371	0.98	0.89-1.08	0.65	0.98	1.04	0.93-1.16	0.47	0.97
rs3772219	0.99	0.89-1.1	0.84	0.99	0.96	0.85-1.09	0.53	0.97

rs3774372	0.83	0.72-0.96	0.01	0.45	1.09	0.94-1.26	0.26	0.93
rs3774702	0.97	0.84-1.11	0.63	0.97	1.01	0.87-1.17	0.88	0.99
rs3790227	0.94	0.83-1.05	0.28	0.86	1.03	0.9-1.17	0.66	0.98
rs379862	0.92	0.83-1.02	0.13	0.80	1.00	0.89-1.13	0.99	1.00
rs3802517	1.08	0.97-1.19	0.14	0.80	0.94	0.84-1.05	0.28	0.93
rs381815	0.97	0.87-1.08	0.63	0.97	1.13	1-1.27	0.05	0.83
rs3820068	1.07	0.94-1.23	0.31	0.88	0.99	0.85-1.15	0.90	0.99
rs3822239	0.97	0.87-1.07	0.55	0.96	1.04	0.93-1.17	0.48	0.97
rs385437	0.99	0.87-1.13	0.90	0.99	1.12	0.97-1.31	0.13	0.93
rs3861113	0.83	0.68-1.01	0.06	0.69	1.05	0.85-1.29	0.66	0.98
rs3898618	1.18	0.94-1.48	0.15	0.80	1.13	0.87-1.47	0.35	0.93
rs3915499	1.05	0.95-1.18	0.34	0.89	1.08	0.96-1.22	0.19	0.93
rs3918226*	1.14	0.96-1.35	0.12	0.80	0.98	0.8-1.19	0.86	0.99
rs3923097	0.99	0.81-1.21	0.90	0.99	0.98	0.79-1.22	0.84	0.99
rs3934939	0.98	0.88-1.09	0.71	0.99	0.88	0.79-0.99	0.03	0.81
rs40060	0.97	0.87-1.07	0.54	0.96	1.02	0.91-1.14	0.79	0.98
rs409558	1.01	0.89-1.15	0.85	0.99	1.09	0.94-1.26	0.24	0.93
rs4110517	1.01	0.89-1.14	0.91	0.99	0.93	0.81-1.07	0.29	0.93
rs4129585	1.15	1.04-1.28	0.01	0.43	1.02	0.91-1.15	0.72	0.98
rs4140574	1.00	0.9-1.11	0.99	1.00	0.96	0.85-1.07	0.44	0.97
rs4141663	1.02	0.92-1.13	0.67	0.98	0.99	0.88-1.11	0.87	0.99
rs4143175	1.05	0.94-1.18	0.40	0.93	1.05	0.92-1.19	0.45	0.97
rs41475048	1.01	0.87-1.17	0.92	0.99	1.02	0.87-1.21	0.78	0.98
rs419076	1.17	1.06-1.3	0.00	0.28	1.12	1-1.25	0.04	0.83
rs42398	1.02	0.9-1.17	0.71	0.99	0.99	0.86-1.15	0.92	0.99
rs4245739	1.00	0.88-1.12	0.95	1.00	0.90	0.79-1.03	0.13	0.93
rs4247374	0.93	0.75-1.17	0.54	0.96	1.29	1-1.67	0.06	0.83
rs4274337	0.91	0.79-1.05	0.18	0.80	1.06	0.9-1.24	0.50	0.97
rs4292285	0.98	0.88-1.08	0.63	0.97	1.12	1-1.26	0.05	0.83
rs4295*	1.00	0.9-1.11	1.00	1.00	1.08	0.95-1.21	0.23	0.93
rs4304924	1.01	0.91-1.13	0.80	0.99	0.90	0.8-1.01	0.07	0.88
rs4342401	1.08	0.98-1.2	0.12	0.80	0.99	0.89-1.11	0.90	0.99
rs4360494	0.99	0.9-1.1	0.90	0.99	1.08	0.96-1.21	0.19	0.93
rs4364717	1.01	0.91-1.12	0.86	0.99	1.03	0.92-1.15	0.66	0.98
rs4373814	1.02	0.92-1.13	0.72	0.99	1.00	0.9-1.12	0.98	1.00
rs4387287	1.11	0.94-1.31	0.20	0.80	1.06	0.88-1.27	0.54	0.97
rs4411245	1.01	0.91-1.13	0.82	0.99	1.05	0.93-1.19	0.45	0.97
rs4420291	1.03	0.94-1.14	0.50	0.96	1.06	0.95-1.18	0.31	0.93
rs4424827	0.98	0.88-1.08	0.64	0.98	0.91	0.81-1.02	0.09	0.88
rs4475250	0.98	0.89-1.08	0.71	0.99	0.98	0.88-1.09	0.72	0.98
rs449789	0.97	0.82-1.16	0.77	0.99	1.13	0.93-1.36	0.20	0.93
rs4507125	1.01	0.9-1.14	0.82	0.99	1.02	0.89-1.16	0.80	0.99
rs4507656	1.03	0.89-1.2	0.66	0.98	0.95	0.8-1.13	0.57	0.97
rs452036	0.94	0.84-1.04	0.23	0.82	1.07	0.95-1.2	0.29	0.93
rs4523973	0.92	0.83-1.02	0.12	0.80	1.01	0.9-1.13	0.86	0.99
rs4534535	0.99	0.85-1.17	0.92	0.99	1.07	0.89-1.28	0.50	0.97
rs45474499	1.03	0.83-1.27	0.80	0.99	1.21	0.96-1.51	0.11	0.88
rs4551692	0.90	0.73-1.11	0.32	0.88	1.21	0.95-1.55	0.13	0.93
rs4553000	1.13	1.03-1.25	0.01	0.45	0.98	0.88-1.09	0.68	0.98
rs4572866	0.95	0.83-1.08	0.41	0.93	1.10	0.95-1.27	0.21	0.93
rs4582532	1.04	0.95-1.15	0.39	0.93	1.03	0.92-1.15	0.66	0.98
rs4590817*	1.08	0.92-1.27	0.33	0.89	0.98	0.83-1.17	0.82	0.99
rs4598218	1.06	0.95-1.18	0.31	0.87	1.08	0.95-1.22	0.23	0.93
rs460105	1.10	0.99-1.22	0.07	0.70	1.19	1.06-1.33	0.00	0.57
rs4631439	0.99	0.89-1.11	0.91	0.99	1.00	0.88-1.13	0.97	1.00
rs4634143	0.96	0.86-1.06	0.42	0.93	1.00	0.89-1.12	0.98	1.00
rs4651224	1.04	0.93-1.15	0.50	0.96	1.09	0.97-1.22	0.17	0.93
rs4652875	1.03	0.93-1.13	0.58	0.96	0.99	0.88-1.1	0.82	0.99
rs4653889	1.00	0.9-1.11	0.96	1.00	0.98	0.87-1.1	0.69	0.98
rs4664080	1.09	0.98-1.21	0.12	0.80	1.06	0.94-1.2	0.31	0.93
rs4678915	1.03	0.93-1.14	0.58	0.96	0.97	0.87-1.09	0.62	0.98
rs4680	1.07	0.97-1.18	0.21	0.82	1.04	0.93-1.16	0.49	0.97
rs4686683	1.01	0.91-1.12	0.81	0.99	1.08	0.96-1.21	0.19	0.93
rs4691707	1.06	0.96-1.18	0.25	0.83	1.14	1.01-1.28	0.03	0.81
rs4699165	0.98	0.87-1.09	0.66	0.98	1.02	0.9-1.15	0.78	0.98
rs470113	1.09	0.97-1.22	0.15	0.80	0.82	0.71-0.93	0.00	0.57
rs4709746	0.96	0.79-1.16	0.66	0.98	1.03	0.83-1.28	0.78	0.98
rs4712656	1.03	0.93-1.14	0.55	0.96	1.04	0.93-1.16	0.49	0.97

rs4728142	0.96	0.87-1.06	0.40	0.93	0.92	0.82-1.03	0.15	0.93
rs4744239	1.02	0.92-1.13	0.74	0.99	1.00	0.89-1.12	0.95	1.00
rs4782211	0.98	0.84-1.14	0.78	0.99	1.01	0.85-1.2	0.90	0.99
rs4785955	0.90	0.8-1.02	0.10	0.76	1.11	0.97-1.27	0.12	0.93
rs4788913	1.08	0.96-1.2	0.19	0.80	1.06	0.93-1.19	0.39	0.95
rs4795641	0.99	0.89-1.09	0.78	0.99	0.96	0.85-1.08	0.48	0.97
rs4800420	1.01	0.9-1.13	0.92	0.99	1.02	0.9-1.16	0.74	0.98
rs4803457	1.08	0.97-1.19	0.16	0.80	1.02	0.91-1.14	0.74	0.98
rs4808569	1.00	0.88-1.15	0.95	1.00	0.92	0.79-1.07	0.28	0.93
rs4811601	0.93	0.84-1.03	0.17	0.80	0.99	0.89-1.11	0.89	0.99
rs4823006	1.09	0.99-1.2	0.09	0.76	0.96	0.86-1.07	0.49	0.97
rs4834735	0.97	0.84-1.12	0.69	0.99	1.20	1.02-1.41	0.02	0.78
rs4846049	1.01	0.91-1.12	0.86	0.99	1.16	1.03-1.3	0.01	0.77
rs4850047	1.00	0.88-1.14	1.00	1.00	0.96	0.83-1.11	0.57	0.97
rs4851462	1.11	1.01-1.23	0.04	0.55	1.13	1.01-1.27	0.04	0.81
rs4858758	1.10	1-1.22	0.06	0.67	0.96	0.86-1.08	0.51	0.97
rs4875958	1.05	0.94-1.17	0.39	0.93	0.98	0.87-1.11	0.78	0.98
rs4894535	1.06	0.93-1.2	0.37	0.92	0.99	0.85-1.14	0.86	0.99
rs4896104	1.17	1.05-1.29	0.00	0.35	1.00	0.89-1.12	0.96	1.00
rs4904503	1.06	0.96-1.18	0.25	0.83	0.97	0.86-1.09	0.63	0.98
rs4908678	0.99	0.89-1.1	0.91	0.99	1.07	0.95-1.21	0.26	0.93
rs4919883	1.00	0.87-1.14	0.96	1.00	1.03	0.88-1.2	0.71	0.98
rs4922591	0.97	0.87-1.08	0.55	0.96	1.02	0.91-1.15	0.75	0.98
rs4923910	1.06	0.96-1.17	0.26	0.84	0.97	0.86-1.08	0.55	0.97
rs4926499	1.01	0.83-1.24	0.89	0.99	0.97	0.77-1.21	0.76	0.98
rs4926923	0.99	0.79-1.26	0.95	1.00	0.94	0.73-1.22	0.65	0.98
rs4952611	1.02	0.92-1.14	0.66	0.98	1.04	0.92-1.18	0.52	0.97
rs4954192	1.00	0.9-1.11	0.99	1.00	1.02	0.91-1.15	0.73	0.98
rs4957026	1.00	0.89-1.12	0.98	1.00	0.93	0.82-1.05	0.23	0.93
rs4972805	1.03	0.92-1.14	0.63	0.97	1.09	0.97-1.23	0.15	0.93
rs4977492	1.06	0.95-1.18	0.33	0.89	0.97	0.86-1.1	0.68	0.98
rs4980470	0.93	0.84-1.03	0.18	0.80	0.94	0.84-1.06	0.33	0.93
rs4980515	1.03	0.93-1.14	0.59	0.96	1.05	0.94-1.18	0.36	0.93
rs4980877	1.00	0.9-1.11	0.97	1.00	1.03	0.91-1.16	0.65	0.98
rs4984497	1.20	1.08-1.34	0.00	0.27	0.96	0.85-1.09	0.52	0.97
rs5021979	0.95	0.84-1.08	0.44	0.94	0.99	0.86-1.13	0.84	0.99
rs504217	1.14	0.92-1.4	0.23	0.82	0.96	0.75-1.22	0.75	0.98
rs504691	0.93	0.84-1.03	0.16	0.80	1.09	0.97-1.22	0.13	0.93
rs507666	0.98	0.86-1.12	0.74	0.99	0.96	0.83-1.12	0.62	0.98
rs512083	1.00	0.9-1.11	0.98	1.00	1.06	0.95-1.19	0.32	0.93
rs516143	0.98	0.82-1.17	0.83	0.99	1.14	0.94-1.38	0.19	0.93
rs5219	1.01	0.92-1.12	0.80	0.99	1.11	1-1.24	0.06	0.84
rs544625	0.96	0.86-1.06	0.43	0.93	1.04	0.93-1.17	0.46	0.97
rs555754	0.97	0.88-1.07	0.59	0.96	0.98	0.88-1.09	0.71	0.98
rs55641580	0.97	0.84-1.12	0.71	0.99	1.13	0.96-1.32	0.14	0.93
rs55684003	0.99	0.89-1.11	0.90	0.99	0.99	0.88-1.12	0.93	1.00
rs55701159	1.01	0.86-1.19	0.88	0.99	1.08	0.9-1.31	0.39	0.95
rs55732192	1.01	0.83-1.24	0.89	0.99	1.12	0.9-1.4	0.33	0.93
rs55747751	1.17	0.96-1.43	0.12	0.80	1.11	0.9-1.38	0.34	0.93
rs55780018*	1.04	0.94-1.15	0.47	0.96	1.00	0.9-1.12	0.97	1.00
rs55829085	1.17	0.92-1.47	0.20	0.80	1.23	0.94-1.6	0.13	0.93
rs55935819	1.05	0.94-1.17	0.36	0.91	1.02	0.9-1.14	0.80	0.99
rs55940751	0.97	0.88-1.07	0.60	0.96	0.94	0.84-1.05	0.27	0.93
rs560276033	0.97	0.81-1.15	0.69	0.99	0.95	0.78-1.15	0.57	0.97
rs560887	1.02	0.92-1.14	0.67	0.98	0.97	0.86-1.09	0.62	0.98
rs56123029	1.12	0.99-1.27	0.08	0.72	1.07	0.93-1.24	0.32	0.93
rs56143613	0.98	0.88-1.09	0.74	0.99	1.00	0.88-1.13	0.99	1.00
rs56228409	1.16	0.95-1.42	0.15	0.80	0.90	0.71-1.13	0.35	0.93
rs56233017	0.81	0.59-1.12	0.19	0.80	0.95	0.66-1.37	0.77	0.98
rs56249585	1.04	0.94-1.15	0.42	0.93	1.12	1-1.25	0.05	0.83
rs56290975	1.06	0.96-1.17	0.26	0.84	1.04	0.93-1.16	0.50	0.97
rs56322953	0.98	0.87-1.11	0.76	0.99	0.96	0.84-1.09	0.50	0.97
rs56352451	0.98	0.83-1.14	0.77	0.99	0.93	0.78-1.12	0.46	0.97
rs56356382	1.01	0.88-1.16	0.89	0.99	1.01	0.87-1.17	0.92	0.99
rs567058829	1.00	0.9-1.11	0.93	0.99	0.96	0.86-1.08	0.54	0.97
rs56844452	1.18	0.93-1.51	0.17	0.80	1.23	0.95-1.62	0.12	0.92
rs571463591	0.94	0.82-1.09	0.43	0.93	1.02	0.87-1.19	0.84	0.99
rs57327054	1.10	0.99-1.23	0.08	0.72	0.96	0.85-1.08	0.53	0.97

rs57400569	1.01	0.89-1.13	0.91	0.99	1.06	0.93-1.21	0.39	0.95
rs57448815	0.90	0.78-1.04	0.17	0.80	0.97	0.83-1.13	0.72	0.98
rs5750482	1.07	0.97-1.18	0.20	0.80	0.99	0.88-1.1	0.84	0.99
rs5753103	1.05	0.95-1.16	0.34	0.90	1.07	0.95-1.19	0.26	0.93
rs5772	1.01	0.91-1.13	0.80	0.99	0.96	0.86-1.09	0.55	0.97
rs57786342	1.04	0.91-1.19	0.56	0.96	1.03	0.89-1.2	0.68	0.98
rs57874285	0.99	0.89-1.1	0.87	0.99	0.92	0.82-1.03	0.14	0.93
rs57927100	1.08	0.96-1.23	0.20	0.80	0.91	0.8-1.05	0.20	0.93
rs5794844	0.99	0.9-1.1	0.92	0.99	1.12	1-1.25	0.05	0.83
rs58015370	1.02	0.91-1.13	0.77	0.99	0.95	0.84-1.07	0.42	0.97
rs58117425	1.04	0.93-1.16	0.54	0.96	1.06	0.94-1.2	0.33	0.93
rs58477215	0.98	0.87-1.11	0.79	0.99	1.04	0.9-1.19	0.60	0.97
rs590198	0.99	0.89-1.09	0.82	0.99	1.04	0.93-1.16	0.49	0.97
rs592373	1.02	0.92-1.14	0.65	0.98	1.13	1.01-1.27	0.04	0.81
rs598682	1.02	0.91-1.14	0.79	0.99	1.00	0.89-1.14	0.96	1.00
rs599550	0.87	0.75-1.01	0.08	0.72	0.88	0.75-1.04	0.14	0.93
rs59986178	0.91	0.79-1.06	0.23	0.82	0.98	0.83-1.15	0.77	0.98
rs60191654	0.90	0.78-1.03	0.14	0.80	0.97	0.83-1.13	0.73	0.98
rs60199046	0.98	0.88-1.09	0.70	0.99	1.00	0.88-1.12	0.94	1.00
rs6021247	1.05	0.95-1.16	0.34	0.89	1.05	0.94-1.17	0.42	0.97
rs60255247	0.99	0.86-1.15	0.93	0.99	1.01	0.86-1.18	0.94	1.00
rs6026748*	1.31	1.11-1.54	0.00	0.27	1.17	0.97-1.41	0.10	0.88
rs6031435	0.94	0.85-1.04	0.22	0.82	0.96	0.86-1.08	0.50	0.97
rs603424	0.98	0.86-1.12	0.78	0.99	0.85	0.72-0.99	0.04	0.81
rs60354484	1.01	0.88-1.15	0.94	1.00	0.97	0.84-1.13	0.72	0.98
rs6054200	1.05	0.95-1.16	0.38	0.93	1.04	0.93-1.17	0.49	0.97
rs6060114	1.00	0.87-1.14	0.95	1.00	0.95	0.82-1.11	0.51	0.97
rs6090040	0.95	0.86-1.06	0.36	0.91	0.99	0.88-1.11	0.87	0.99
rs6092743	1.19	1.03-1.38	0.02	0.49	1.15	0.97-1.35	0.12	0.91
rs6095241	1.04	0.94-1.15	0.48	0.96	1.06	0.94-1.19	0.34	0.93
rs61040371	1.01	0.91-1.12	0.86	0.99	1.01	0.9-1.13	0.89	0.99
rs6108168*	1.10	0.98-1.24	0.09	0.76	1.06	0.93-1.2	0.38	0.95
rs6129880	0.97	0.86-1.1	0.61	0.97	1.01	0.88-1.16	0.88	0.99
rs6141479	1.05	0.92-1.2	0.46	0.96	1.00	0.86-1.16	1.00	1.00
rs6142381	1.06	0.96-1.18	0.24	0.82	0.91	0.81-1.02	0.12	0.92
rs61448762	0.96	0.81-1.13	0.59	0.96	1.06	0.88-1.28	0.55	0.97
rs61653296	1.07	0.95-1.21	0.28	0.86	0.96	0.83-1.1	0.53	0.97
rs61735998	1.12	0.69-1.77	0.63	0.97	0.86	0.49-1.45	0.59	0.97
rs61755579	1.04	0.73-1.5	0.82	0.99	1.06	0.72-1.58	0.78	0.98
rs61760904	1.04	0.69-1.54	0.83	0.99	1.22	0.79-1.85	0.37	0.94
rs61823001	1.12	0.92-1.37	0.28	0.86	0.96	0.77-1.19	0.70	0.98
rs61879810	1.03	0.89-1.18	0.72	0.99	0.99	0.84-1.16	0.87	0.99
rs61892344	0.92	0.79-1.06	0.25	0.83	0.97	0.82-1.15	0.70	0.98
rs61912333	1.16	1.05-1.28	0.00	0.35	1.07	0.96-1.2	0.21	0.93
rs62004794	1.04	0.93-1.15	0.50	0.96	0.91	0.81-1.02	0.11	0.88
rs62011052	0.98	0.87-1.11	0.78	0.99	1.10	0.96-1.26	0.18	0.93
rs62012628	1.11	0.99-1.24	0.07	0.71	1.06	0.94-1.21	0.34	0.93
rs62020769	1.05	0.94-1.17	0.37	0.92	1.02	0.9-1.14	0.78	0.98
rs62033406	0.98	0.89-1.08	0.68	0.98	1.03	0.92-1.15	0.60	0.97
rs62053102	0.83	0.6-1.14	0.26	0.84	0.93	0.65-1.29	0.66	0.98
rs62076103	1.13	0.9-1.41	0.30	0.86	1.15	0.89-1.48	0.29	0.93
rs62080325	1.10	0.97-1.24	0.14	0.80	1.01	0.88-1.15	0.90	0.99
rs62104477	0.96	0.86-1.07	0.51	0.96	0.89	0.79-1.01	0.07	0.88
rs62158170	1.11	0.97-1.28	0.13	0.80	0.94	0.81-1.09	0.41	0.97
rs62169544	0.99	0.89-1.09	0.79	0.99	1.00	0.89-1.12	0.97	1.00
rs62229372	1.24	1.03-1.49	0.02	0.49	0.94	0.76-1.16	0.55	0.97
rs62250714	1.02	0.91-1.13	0.77	0.99	1.15	1.02-1.29	0.03	0.79
rs6227	1.19	1.07-1.32	0.00	0.27	1.00	0.89-1.12	0.96	1.00
rs62270945	1.03	0.61-1.67	0.92	0.99	0.88	0.49-1.51	0.65	0.98
rs62361303	1.03	0.88-1.19	0.74	0.99	1.02	0.86-1.2	0.82	0.99
rs62380354	1.05	0.85-1.31	0.64	0.98	1.10	0.87-1.41	0.44	0.97
rs62385385	0.99	0.89-1.1	0.81	0.99	0.95	0.85-1.07	0.43	0.97
rs62491354	0.91	0.79-1.05	0.19	0.80	0.84	0.72-0.98	0.03	0.81
rs62524579	1.10	0.99-1.22	0.07	0.70	0.97	0.86-1.08	0.57	0.97
rs6271	1.09	0.8-1.5	0.58	0.96	1.23	0.86-1.77	0.26	0.93
rs633185*	1.10	0.98-1.23	0.10	0.76	1.03	0.91-1.17	0.62	0.98
rs63418562	0.98	0.88-1.09	0.71	0.99	1.08	0.95-1.22	0.24	0.93
rs6421389	1.06	0.96-1.18	0.27	0.85	0.98	0.87-1.1	0.75	0.98

rs6428947	1.24	1.08-1.41	0.00	0.28	1.00	0.87-1.16	0.99	1.00
rs6429422	1.03	0.92-1.16	0.55	0.96	1.01	0.89-1.14	0.86	0.99
rs6434404	0.96	0.86-1.08	0.52	0.96	1.04	0.91-1.18	0.57	0.97
rs6438253	1.03	0.93-1.14	0.55	0.96	1.02	0.91-1.14	0.79	0.98
rs6442101	1.05	0.94-1.17	0.42	0.93	1.11	0.98-1.26	0.10	0.88
rs6479908	0.94	0.85-1.04	0.23	0.82	1.03	0.92-1.15	0.63	0.98
rs6487543	0.95	0.85-1.07	0.39	0.93	1.04	0.91-1.18	0.55	0.97
rs649472	0.96	0.86-1.07	0.49	0.96	0.97	0.85-1.1	0.60	0.97
rs6495122	0.99	0.89-1.09	0.81	0.99	0.97	0.87-1.08	0.57	0.97
rs6511291	1.03	0.93-1.14	0.56	0.96	1.05	0.94-1.18	0.41	0.97
rs6540125	0.96	0.86-1.07	0.47	0.96	0.90	0.79-1.01	0.08	0.88
rs6545155	1.00	0.87-1.15	0.98	1.00	1.01	0.87-1.18	0.88	0.99
rs6557876	1.04	0.93-1.16	0.50	0.96	1.09	0.96-1.23	0.20	0.93
rs6565174	0.99	0.81-1.22	0.95	1.00	1.01	0.8-1.28	0.94	1.00
rs6593297	0.94	0.84-1.05	0.26	0.85	0.93	0.82-1.05	0.26	0.93
rs6595838	1.01	0.9-1.12	0.91	0.99	1.08	0.95-1.22	0.23	0.93
rs661348	0.87	0.78-0.97	0.01	0.43	1.14	1.01-1.28	0.03	0.81
rs6662330	1.22	1.06-1.4	0.01	0.36	1.17	1-1.37	0.05	0.83
rs666720	1.01	0.91-1.12	0.79	0.99	1.04	0.93-1.17	0.47	0.97
rs66723505	1.03	0.93-1.16	0.54	0.96	1.09	0.97-1.24	0.16	0.93
rs66774912	1.07	0.91-1.28	0.41	0.93	1.09	0.91-1.32	0.34	0.93
rs6681713	1.02	0.72-1.48	0.91	0.99	0.81	0.55-1.2	0.28	0.93
rs668459	1.03	0.93-1.13	0.60	0.96	1.02	0.92-1.14	0.68	0.98
rs6686889	1.15	1.03-1.28	0.02	0.48	1.18	1.04-1.34	0.01	0.74
rs66887589	1.13	1.02-1.25	0.02	0.48	1.03	0.92-1.15	0.64	0.98
rs6689862	1.08	0.9-1.31	0.40	0.93	1.05	0.85-1.31	0.63	0.98
rs66978877	1.00	0.89-1.13	0.97	1.00	0.96	0.85-1.1	0.57	0.97
rs670463	1.01	0.91-1.12	0.85	0.99	0.96	0.85-1.08	0.48	0.97
rs6712094	0.98	0.88-1.09	0.70	0.99	1.03	0.91-1.17	0.59	0.97
rs6723509	1.12	0.96-1.3	0.16	0.80	0.97	0.82-1.14	0.70	0.98
rs6731373	0.96	0.85-1.09	0.53	0.96	0.97	0.85-1.11	0.68	0.98
rs67330701	0.94	0.8-1.11	0.47	0.96	0.77	0.64-0.92	0.00	0.57
rs6747242	0.94	0.76-1.16	0.56	0.96	1.10	0.87-1.41	0.42	0.97
rs6747874	1.04	0.92-1.16	0.56	0.96	1.01	0.89-1.15	0.85	0.99
rs6758859	1.04	0.93-1.16	0.51	0.96	0.99	0.88-1.11	0.84	0.99
rs67720684	0.85	0.74-0.97	0.02	0.49	1.08	0.93-1.25	0.29	0.93
rs6772704	1.06	0.94-1.19	0.31	0.88	1.00	0.88-1.14	0.97	1.00
rs6777317	1.00	0.88-1.13	0.99	1.00	0.98	0.85-1.12	0.74	0.98
rs6782694	1.16	1-1.35	0.04	0.60	0.88	0.74-1.04	0.14	0.93
rs67833703	1.03	0.92-1.15	0.63	0.97	1.01	0.89-1.15	0.84	0.99
rs6788984	1.01	0.87-1.17	0.90	0.99	1.06	0.9-1.25	0.51	0.97
rs6792918	1.21	0.95-1.54	0.13	0.80	1.02	0.8-1.33	0.85	0.99
rs6793656	1.00	0.85-1.18	1.00	1.00	0.99	0.82-1.19	0.90	0.99
rs6795735	0.95	0.86-1.06	0.37	0.92	0.99	0.88-1.11	0.81	0.99
rs67976715	1.01	0.89-1.14	0.91	0.99	0.94	0.82-1.08	0.41	0.97
rs6801957	1.04	0.94-1.15	0.44	0.94	0.93	0.83-1.04	0.18	0.93
rs6803322	1.07	0.96-1.2	0.23	0.82	0.95	0.84-1.08	0.43	0.97
rs680515	1.02	0.92-1.12	0.77	0.99	0.93	0.83-1.04	0.21	0.93
rs6806529	0.96	0.86-1.07	0.48	0.96	1.05	0.93-1.19	0.42	0.97
rs6823199	1.10	0.98-1.24	0.10	0.78	1.10	0.96-1.25	0.17	0.93
rs6823767	0.99	0.89-1.1	0.85	0.99	1.08	0.96-1.22	0.20	0.93
rs685149	0.92	0.82-1.02	0.11	0.79	1.02	0.9-1.15	0.81	0.99
rs6867399	0.99	0.86-1.12	0.84	0.99	1.02	0.88-1.19	0.75	0.98
rs687621	1.00	0.9-1.1	0.97	1.00	0.94	0.84-1.05	0.27	0.93
rs6891344	1.04	0.91-1.19	0.57	0.96	1.14	0.98-1.32	0.09	0.88
rs6914824	1.04	0.9-1.21	0.58	0.96	1.06	0.89-1.24	0.52	0.97
rs6919440	1.00	0.9-1.11	0.97	1.00	1.00	0.89-1.12	0.94	1.00
rs6925750	1.07	0.92-1.25	0.41	0.93	1.10	0.93-1.31	0.28	0.93
rs693367	1.07	0.96-1.2	0.21	0.82	1.01	0.89-1.14	0.87	0.99
rs6954	1.04	0.94-1.15	0.48	0.96	0.98	0.87-1.09	0.68	0.98
rs6957161	1.05	0.94-1.17	0.42	0.93	1.04	0.92-1.18	0.55	0.97
rs6963105	0.89	0.79-1	0.05	0.64	1.08	0.94-1.23	0.27	0.93
rs6969780	1.12	0.94-1.33	0.19	0.80	0.97	0.79-1.18	0.75	0.98
rs6996562	1.07	0.97-1.18	0.20	0.80	1.01	0.91-1.13	0.85	0.99
rs6996733	1.07	0.92-1.24	0.39	0.93	1.02	0.86-1.2	0.82	0.99
rs7012636	1.08	0.98-1.19	0.14	0.80	1.01	0.91-1.13	0.83	0.99
rs7019055	1.03	0.93-1.14	0.57	0.96	1.04	0.93-1.17	0.47	0.97
rs7020564	1.06	0.95-1.18	0.28	0.86	0.94	0.83-1.06	0.30	0.93

rs7041664	1.04	0.93-1.17	0.49	0.96	0.94	0.83-1.07	0.37	0.95
rs704191	0.97	0.88-1.08	0.60	0.97	1.02	0.91-1.15	0.70	0.98
rs7042283	0.91	0.77-1.08	0.28	0.86	1.02	0.85-1.21	0.87	0.99
rs7043304	1.10	0.94-1.27	0.24	0.82	0.96	0.81-1.13	0.59	0.97
rs7045409	0.94	0.85-1.05	0.29	0.86	0.97	0.86-1.09	0.61	0.98
rs7070797	1.12	0.93-1.37	0.23	0.82	0.99	0.81-1.22	0.95	1.00
rs709209	1.01	0.91-1.12	0.91	0.99	1.11	0.98-1.25	0.09	0.88
rs7096563	0.93	0.83-1.03	0.15	0.80	1.00	0.89-1.13	0.95	1.00
rs709668	1.01	0.89-1.14	0.89	0.99	0.97	0.85-1.11	0.63	0.98
rs7096715	1.17	1.06-1.29	0.00	0.28	1.08	0.97-1.21	0.15	0.93
rs7103648	1.03	0.93-1.14	0.59	0.96	0.93	0.82-1.04	0.21	0.93
rs7107356	1.09	0.99-1.2	0.09	0.76	1.00	0.9-1.12	0.99	1.00
rs7116797	1.04	0.89-1.22	0.59	0.96	0.95	0.79-1.14	0.57	0.97
rs711737	0.99	0.89-1.09	0.80	0.99	1.05	0.94-1.18	0.40	0.95
rs7126805	1.04	0.93-1.17	0.48	0.96	0.99	0.87-1.12	0.84	0.99
rs7129220	1.06	0.9-1.24	0.50	0.96	1.11	0.93-1.33	0.25	0.93
rs7132012	1.07	0.96-1.19	0.24	0.82	0.94	0.84-1.06	0.33	0.93
rs7134060	1.03	0.93-1.14	0.62	0.97	1.06	0.94-1.19	0.32	0.93
rs7137749	0.98	0.89-1.09	0.77	0.99	0.99	0.89-1.11	0.90	0.99
rs7144602	1.07	0.95-1.19	0.26	0.85	0.93	0.82-1.06	0.29	0.93
rs71543920	0.88	0.71-1.1	0.27	0.85	1.13	0.9-1.43	0.28	0.93
rs7161323	1.06	0.95-1.18	0.29	0.86	1.02	0.9-1.15	0.76	0.98
rs7166269	1.08	0.93-1.25	0.32	0.88	1.09	0.93-1.28	0.28	0.93
rs7178615	1.00	0.91-1.11	0.97	1.00	0.98	0.88-1.1	0.75	0.98
rs7180952	1.02	0.92-1.12	0.77	0.99	0.98	0.88-1.1	0.76	0.98
rs7185555	0.88	0.76-1.03	0.12	0.80	0.89	0.75-1.06	0.19	0.93
rs7187540	1.01	0.9-1.14	0.85	0.99	1.06	0.94-1.21	0.34	0.93
rs7213273	1.10	1-1.22	0.05	0.64	1.06	0.95-1.19	0.29	0.93
rs7219390	0.95	0.86-1.05	0.32	0.88	0.94	0.85-1.05	0.30	0.93
rs7221807	1.05	0.95-1.16	0.32	0.88	1.15	1.03-1.29	0.01	0.74
rs7225219	1.02	0.92-1.13	0.72	0.99	0.92	0.82-1.03	0.15	0.93
rs7226020	1.02	0.91-1.14	0.77	0.99	1.10	0.97-1.24	0.15	0.93
rs7236548	1.04	0.92-1.17	0.56	0.96	1.08	0.94-1.24	0.27	0.93
rs7248104	0.94	0.85-1.04	0.22	0.82	1.01	0.9-1.13	0.83	0.99
rs7255	1.12	1.01-1.25	0.03	0.55	1.01	0.89-1.14	0.89	0.99
rs7256564	1.00	0.91-1.11	0.93	0.99	0.99	0.88-1.11	0.83	0.99
rs72613227	1.05	0.89-1.25	0.55	0.96	1.07	0.88-1.3	0.49	0.97
rs72659998	1.05	0.9-1.22	0.54	0.96	1.00	0.85-1.18	0.99	1.00
rs7266274	1.02	0.91-1.15	0.70	0.99	1.03	0.9-1.17	0.67	0.98
rs72677850	0.94	0.66-1.37	0.75	0.99	1.08	0.72-1.66	0.71	0.98
rs72688070	1.21	1.03-1.42	0.02	0.49	1.00	0.85-1.19	0.96	1.00
rs72704264	1.00	0.88-1.14	0.96	1.00	0.95	0.82-1.09	0.48	0.97
rs72765298	0.93	0.77-1.1	0.39	0.93	1.25	1.03-1.52	0.02	0.78
rs72799341	1.09	0.98-1.22	0.13	0.80	0.95	0.84-1.08	0.42	0.97
rs72812846	0.98	0.89-1.1	0.78	0.99	0.94	0.83-1.05	0.27	0.93
rs72816333	1.02	0.89-1.17	0.77	0.99	1.16	1-1.35	0.06	0.83
rs72831855	1.15	0.86-1.53	0.33	0.89	1.31	0.95-1.8	0.10	0.88
rs72834453	0.95	0.8-1.13	0.59	0.96	1.07	0.88-1.28	0.51	0.97
rs72844590	1.00	0.87-1.15	1.00	1.00	0.97	0.83-1.13	0.69	0.98
rs72847884	1.03	0.81-1.33	0.79	0.99	1.03	0.79-1.36	0.82	0.99
rs72851229	1.12	0.97-1.3	0.14	0.80	1.04	0.89-1.22	0.64	0.98
rs72910063	0.99	0.79-1.23	0.94	1.00	0.98	0.76-1.24	0.85	0.99
rs72930293	1.09	0.93-1.28	0.28	0.86	0.89	0.75-1.06	0.18	0.93
rs72930904	1.05	0.93-1.2	0.41	0.93	0.96	0.84-1.1	0.55	0.97
rs72931748	1.03	0.87-1.22	0.73	0.99	1.00	0.83-1.21	0.98	1.00
rs729448	1.11	1.01-1.23	0.04	0.55	0.91	0.81-1.01	0.09	0.88
rs72958213	0.97	0.85-1.1	0.63	0.97	1.02	0.88-1.18	0.83	0.99
rs73033340	0.93	0.63-1.39	0.72	0.99	1.01	0.65-1.6	0.95	1.00
rs73046792	0.93	0.78-1.11	0.43	0.94	1.00	0.82-1.22	0.99	1.00
rs73049928	1.00	0.88-1.12	0.95	1.00	0.91	0.79-1.04	0.16	0.93
rs73080726	1.14	0.99-1.31	0.08	0.72	0.94	0.81-1.1	0.43	0.97
rs73080767	1.19	1.02-1.4	0.03	0.55	1.00	0.84-1.19	0.97	1.00
rs73082337	1.00	0.85-1.19	0.98	1.00	1.12	0.92-1.36	0.25	0.93
rs73099903	0.94	0.75-1.16	0.57	0.96	0.91	0.71-1.16	0.43	0.97
rs73105827	1.13	0.94-1.37	0.21	0.82	0.96	0.79-1.18	0.70	0.98
rs7312132	1.04	0.83-1.32	0.71	0.99	1.02	0.8-1.32	0.85	0.99
rs7313556	0.97	0.87-1.07	0.51	0.96	0.98	0.87-1.1	0.72	0.98
rs73158427	0.97	0.85-1.1	0.58	0.96	0.96	0.83-1.1	0.53	0.97

rs73161324	0.84	0.59-1.18	0.32	0.88	1.11	0.77-1.6	0.57	0.97
rs731681	0.99	0.89-1.1	0.85	0.99	1.11	0.98-1.25	0.10	0.88
rs731749	1.04	0.79-1.35	0.80	0.99	1.00	0.73-1.35	1.00	1.00
rs73181210	1.29	0.85-2.02	0.24	0.83	1.11	0.71-1.78	0.64	0.98
rs73187288	1.06	0.9-1.24	0.50	0.96	1.09	0.9-1.3	0.37	0.94
rs734780	0.97	0.83-1.15	0.76	0.99	0.95	0.79-1.15	0.61	0.98
rs73605614	1.03	0.91-1.17	0.63	0.97	1.03	0.9-1.19	0.64	0.98
rs736107	1.03	0.92-1.14	0.64	0.98	1.03	0.92-1.16	0.59	0.97
rs73727605	1.21	0.9-1.6	0.19	0.80	0.69	0.48-0.97	0.04	0.81
rs73744859	1.20	0.9-1.59	0.21	0.82	1.07	0.76-1.48	0.69	0.98
rs73754057	1.00	0.88-1.13	0.96	1.00	1.04	0.91-1.2	0.55	0.97
rs737721	1.09	0.91-1.31	0.35	0.91	0.76	0.61-0.95	0.02	0.77
rs739414	1.05	0.94-1.17	0.39	0.93	0.96	0.85-1.09	0.56	0.97
rs740406	1.25	1.05-1.49	0.01	0.45	1.21	0.99-1.49	0.07	0.88
rs7406910	1.28	1.08-1.52	0.00	0.35	0.97	0.81-1.15	0.69	0.98
rs740698	0.95	0.85-1.05	0.32	0.88	0.94	0.84-1.06	0.33	0.93
rs7412	1.11	0.92-1.35	0.29	0.86	1.15	0.93-1.44	0.20	0.93
rs74181299	1.01	0.91-1.11	0.92	0.99	0.99	0.88-1.11	0.87	0.99
rs7437940	1.04	0.94-1.15	0.43	0.93	1.07	0.96-1.2	0.21	0.93
rs7439567	1.06	0.96-1.18	0.25	0.83	1.17	1.04-1.31	0.01	0.74
rs74482535	0.85	0.7-1.03	0.09	0.76	0.97	0.77-1.22	0.79	0.98
rs745821	1.08	0.97-1.21	0.18	0.80	1.02	0.9-1.16	0.73	0.98
rs74621754	0.96	0.72-1.31	0.81	0.99	0.86	0.61-1.2	0.36	0.94
rs74774746	1.04	0.92-1.16	0.54	0.96	1.02	0.89-1.16	0.81	0.99
rs7500448	0.99	0.88-1.12	0.91	0.99	0.96	0.84-1.09	0.50	0.97
rs7502046	1.10	0.94-1.3	0.23	0.82	0.89	0.75-1.05	0.17	0.93
rs750416	1.03	0.93-1.14	0.54	0.96	1.02	0.91-1.14	0.71	0.98
rs7512595	1.14	0.95-1.39	0.17	0.80	1.16	0.94-1.43	0.18	0.93
rs7514579	1.07	0.94-1.21	0.30	0.87	0.99	0.86-1.14	0.88	0.99
rs7515635	0.99	0.89-1.09	0.81	0.99	1.07	0.96-1.2	0.22	0.93
rs7519279	0.98	0.88-1.09	0.73	0.99	1.05	0.94-1.19	0.39	0.95
rs751984	1.16	1.01-1.34	0.04	0.55	1.09	0.94-1.28	0.25	0.93
rs7524019	0.93	0.81-1.05	0.23	0.82	0.97	0.84-1.12	0.67	0.98
rs75305034	1.19	1.07-1.32	0.00	0.27	1.01	0.9-1.14	0.82	0.99
rs75460349	1.23	0.97-1.55	0.08	0.72	1.11	0.84-1.45	0.45	0.97
rs7547570	1.07	0.97-1.19	0.19	0.80	1.04	0.92-1.16	0.56	0.97
rs75507123	1.00	0.86-1.18	0.96	1.00	1.00	0.84-1.2	0.96	1.00
rs7553422	1.00	0.91-1.12	0.93	0.99	1.09	0.97-1.22	0.16	0.93
rs7555285	1.00	0.88-1.12	0.94	1.00	1.13	0.99-1.3	0.07	0.88
rs7562	1.07	0.97-1.18	0.20	0.80	0.96	0.86-1.08	0.50	0.97
rs757081	1.03	0.93-1.14	0.55	0.96	1.08	0.96-1.21	0.19	0.93
rs757462	0.92	0.82-1.03	0.14	0.80	1.11	0.98-1.26	0.10	0.88
rs7575523	0.97	0.88-1.08	0.63	0.97	0.91	0.81-1.03	0.13	0.93
rs7581849	1.03	0.93-1.15	0.59	0.96	1.01	0.9-1.14	0.83	0.99
rs7586597	1.02	0.92-1.14	0.67	0.98	0.96	0.85-1.08	0.49	0.97
rs7590201	0.97	0.88-1.08	0.60	0.97	1.10	0.99-1.23	0.08	0.88
rs75902664	1.16	0.82-1.63	0.39	0.93	0.94	0.62-1.38	0.74	0.98
rs7592578	0.99	0.85-1.14	0.84	0.99	1.12	0.95-1.33	0.18	0.93
rs7599598	1.05	0.95-1.16	0.33	0.89	1.09	0.97-1.22	0.14	0.93
rs76052955	0.99	0.89-1.11	0.86	0.99	0.98	0.87-1.12	0.80	0.99
rs7606205	1.07	0.96-1.2	0.21	0.82	1.04	0.92-1.18	0.55	0.97
rs7608483	0.93	0.84-1.03	0.16	0.80	0.99	0.89-1.11	0.90	0.99
rs7611674	0.89	0.77-1.02	0.10	0.77	1.03	0.88-1.21	0.72	0.98
rs76164690	1.01	0.89-1.16	0.84	0.99	1.08	0.93-1.25	0.29	0.93
rs7624086	1.04	0.94-1.15	0.44	0.94	1.03	0.92-1.16	0.59	0.97
rs7632108	1.02	0.92-1.13	0.72	0.99	0.99	0.88-1.11	0.82	0.99
rs76326501	1.12	0.93-1.36	0.23	0.82	0.95	0.78-1.16	0.59	0.97
rs76398786	1.09	0.79-1.49	0.60	0.97	1.26	0.89-1.78	0.19	0.93
rs76452347	1.04	0.91-1.19	0.55	0.96	1.02	0.89-1.19	0.74	0.98
rs765302	0.97	0.88-1.08	0.60	0.97	1.02	0.91-1.13	0.79	0.98
rs76627715	0.95	0.81-1.1	0.49	0.96	1.00	0.85-1.2	0.96	1.00
rs7665304	1.00	0.9-1.11	1.00	1.00	0.86	0.77-0.97	0.01	0.74
rs7666150	0.98	0.89-1.09	0.75	0.99	1.05	0.94-1.18	0.39	0.95
rs76719272	0.96	0.82-1.12	0.58	0.96	1.00	0.84-1.2	0.97	1.00
rs7672622	1.11	0.98-1.25	0.10	0.77	0.94	0.82-1.08	0.40	0.96
rs76735299	1.11	0.94-1.31	0.23	0.82	1.01	0.83-1.22	0.94	1.00
rs76785029	0.87	0.71-1.08	0.20	0.80	0.93	0.74-1.19	0.57	0.97
rs76904484	0.81	0.57-1.13	0.22	0.82	1.03	0.71-1.47	0.86	0.99

rs7694000	0.94	0.85-1.04	0.25	0.83	0.93	0.83-1.04	0.21	0.93
rs7710854	1.18	0.97-1.43	0.10	0.76	1.17	0.95-1.44	0.15	0.93
rs7714219	0.97	0.87-1.08	0.61	0.97	0.95	0.84-1.07	0.39	0.95
rs772178	0.96	0.86-1.07	0.51	0.96	1.02	0.9-1.15	0.79	0.98
rs7734334	1.06	0.96-1.18	0.23	0.82	1.02	0.91-1.14	0.74	0.98
rs7753695	0.98	0.88-1.09	0.71	0.99	1.02	0.91-1.14	0.77	0.98
rs7763294	1.03	0.91-1.16	0.67	0.98	1.01	0.88-1.16	0.88	0.99
rs7765526	1.11	1-1.23	0.04	0.60	1.13	1.01-1.27	0.03	0.79
rs77692990	1.08	0.86-1.37	0.52	0.96	1.41	1.08-1.86	0.01	0.77
rs78151625	0.95	0.83-1.1	0.52	0.96	1.14	0.98-1.32	0.10	0.88
rs783621	1.08	0.98-1.2	0.12	0.80	1.05	0.94-1.17	0.39	0.95
rs7837090	0.91	0.8-1.03	0.13	0.80	1.04	0.91-1.2	0.55	0.97
rs78378222	1.08	0.67-1.69	0.74	0.99	1.34	0.81-2.18	0.24	0.93
rs7838781	1.01	0.89-1.14	0.90	0.99	0.89	0.78-1.02	0.09	0.88
rs7845722	1.02	0.92-1.13	0.68	0.98	1.02	0.91-1.13	0.79	0.98
rs78474310	0.80	0.59-1.06	0.13	0.80	1.11	0.82-1.48	0.50	0.97
rs7856420	1.03	0.92-1.14	0.64	0.98	0.98	0.87-1.1	0.77	0.98
rs7861040	0.97	0.87-1.07	0.51	0.96	0.94	0.83-1.05	0.28	0.93
rs78648104	1.01	0.86-1.19	0.88	0.99	0.95	0.79-1.13	0.56	0.97
rs7869756	1.00	0.87-1.14	0.97	1.00	0.92	0.79-1.07	0.30	0.93
rs78909240	1.09	0.93-1.3	0.29	0.86	1.11	0.92-1.34	0.26	0.93
rs79089478	0.82	0.61-1.11	0.19	0.80	1.05	0.74-1.52	0.78	0.98
rs7914287	0.97	0.87-1.09	0.66	0.98	0.97	0.85-1.1	0.64	0.98
rs79146658	1.12	0.94-1.33	0.21	0.82	1.27	1.04-1.54	0.02	0.77
rs7927515	0.98	0.88-1.09	0.67	0.98	1.07	0.95-1.2	0.24	0.93
rs7928655	0.97	0.87-1.08	0.57	0.96	1.05	0.94-1.18	0.39	0.95
rs7951348	1.00	0.9-1.1	0.99	1.00	1.01	0.91-1.13	0.84	0.99
rs79523138	0.86	0.72-1.03	0.11	0.79	1.19	0.98-1.44	0.08	0.88
rs7963801	1.11	0.99-1.24	0.09	0.75	1.05	0.93-1.2	0.44	0.97
rs7964067	1.02	0.89-1.16	0.76	0.99	0.99	0.85-1.15	0.90	0.99
rs7965392	0.99	0.89-1.1	0.84	0.99	0.93	0.83-1.05	0.23	0.93
rs7968719	0.86	0.77-0.96	0.01	0.42	0.99	0.88-1.12	0.90	0.99
rs7976167	0.96	0.86-1.07	0.48	0.96	0.93	0.82-1.05	0.23	0.93
rs79771286	1.05	0.9-1.21	0.55	0.96	0.98	0.84-1.16	0.85	0.99
rs7977311	1.17	0.98-1.4	0.09	0.76	1.09	0.9-1.33	0.40	0.96
rs7977389	1.09	0.94-1.27	0.27	0.86	1.09	0.92-1.29	0.32	0.93
rs7987651	0.88	0.76-1.03	0.11	0.78	0.88	0.74-1.04	0.13	0.93
rs7988232	0.98	0.88-1.08	0.63	0.97	1.02	0.91-1.14	0.72	0.98
rs7989823	1.03	0.92-1.17	0.59	0.96	1.04	0.9-1.19	0.61	0.98
rs80073370	0.90	0.74-1.11	0.33	0.89	0.92	0.73-1.17	0.50	0.97
rs8013933	1.07	0.94-1.22	0.28	0.86	1.16	1.01-1.35	0.04	0.81
rs8014182	0.96	0.83-1.11	0.54	0.96	0.97	0.83-1.14	0.74	0.98
rs8016306	1.14	1.01-1.3	0.04	0.60	1.03	0.89-1.19	0.69	0.98
rs8027524	1.11	1.01-1.24	0.04	0.58	0.97	0.86-1.08	0.55	0.97
rs805303*	0.99	0.9-1.1	0.89	0.99	1.07	0.95-1.2	0.27	0.93
rs8059962	1.10	0.99-1.22	0.08	0.72	1.05	0.93-1.18	0.44	0.97
rs8069739	1.12	1-1.26	0.04	0.60	1.01	0.89-1.15	0.84	0.99
rs8073626	0.99	0.89-1.09	0.78	0.99	1.00	0.89-1.12	0.98	1.00
rs8103992	1.10	0.96-1.26	0.17	0.80	1.03	0.88-1.2	0.73	0.98
rs8104559	0.91	0.8-1.03	0.15	0.80	1.00	0.87-1.15	0.96	1.00
rs8105753	1.02	0.9-1.15	0.76	0.99	0.89	0.78-1.02	0.10	0.88
rs8111708	1.02	0.92-1.13	0.75	0.99	1.07	0.95-1.2	0.25	0.93
rs813412	0.98	0.87-1.11	0.77	0.99	0.99	0.87-1.13	0.88	0.99
rs8139817	0.99	0.88-1.11	0.87	0.99	1.04	0.91-1.19	0.56	0.97
rs8141699	0.86	0.67-1.1	0.24	0.83	1.03	0.78-1.34	0.83	0.99
rs821317	1.17	1.01-1.35	0.03	0.55	1.00	0.84-1.18	0.99	1.00
rs8258	0.95	0.86-1.05	0.34	0.89	0.97	0.86-1.08	0.56	0.97
rs832890	0.98	0.89-1.09	0.76	0.99	0.96	0.86-1.07	0.48	0.97
rs839755	0.99	0.89-1.09	0.83	0.99	0.95	0.85-1.06	0.38	0.95
rs848309	1.04	0.94-1.15	0.42	0.93	1.07	0.95-1.19	0.25	0.93
rs867186	0.98	0.84-1.16	0.82	0.99	1.24	1.03-1.5	0.02	0.78
rs869396	1.11	1-1.23	0.05	0.64	1.02	0.91-1.14	0.74	0.98
rs871606	0.99	0.82-1.19	0.90	0.99	1.11	0.9-1.37	0.33	0.93
rs873122	1.05	0.94-1.18	0.39	0.93	0.96	0.85-1.08	0.49	0.97
rs875106	1.01	0.92-1.12	0.80	0.99	1.04	0.93-1.16	0.47	0.97
rs880315	1.03	0.94-1.14	0.51	0.96	1.17	1.05-1.31	0.01	0.57
rs8904	1.00	0.91-1.11	0.94	1.00	1.04	0.93-1.16	0.51	0.97
rs891511	1.02	0.92-1.13	0.70	0.99	1.02	0.91-1.14	0.74	0.98

rs893929	0.99	0.89-1.09	0.82	0.99	1.06	0.95-1.19	0.29	0.93
rs894344	1.03	0.94-1.14	0.53	0.96	1.00	0.9-1.12	0.97	1.00
rs896693	0.93	0.84-1.03	0.17	0.80	0.99	0.88-1.11	0.81	0.99
rs899927	0.90	0.81-1.01	0.07	0.71	1.05	0.93-1.19	0.43	0.97
rs903432	0.99	0.81-1.21	0.89	0.99	1.36	1.07-1.73	0.01	0.77
rs912434	1.01	0.9-1.13	0.86	0.99	0.97	0.85-1.09	0.59	0.97
rs917275	0.86	0.77-0.96	0.01	0.40	1.04	0.92-1.18	0.51	0.97
rs919045	1.01	0.91-1.12	0.85	0.99	0.96	0.86-1.09	0.54	0.97
rs925484	1.07	0.97-1.18	0.19	0.80	0.94	0.84-1.05	0.30	0.93
rs925946	1.03	0.93-1.14	0.54	0.96	1.09	0.97-1.23	0.13	0.93
rs9303241	1.03	0.93-1.13	0.62	0.97	0.99	0.88-1.1	0.81	0.99
rs9306160	0.97	0.88-1.08	0.61	0.97	1.06	0.94-1.2	0.32	0.93
rs9314907	0.97	0.86-1.09	0.62	0.97	1.00	0.88-1.14	0.97	1.00
rs932764*	1.04	0.95-1.15	0.39	0.93	0.97	0.87-1.09	0.64	0.98
rs9337951	0.97	0.86-1.09	0.63	0.97	0.97	0.85-1.1	0.63	0.98
rs9349379	0.95	0.86-1.05	0.29	0.86	1.09	0.98-1.22	0.11	0.91
rs9356632	1.17	1-1.38	0.05	0.64	1.12	0.94-1.34	0.19	0.93
rs936226	1.01	0.9-1.14	0.83	0.99	1.06	0.93-1.21	0.37	0.94
rs9368222	1.10	0.98-1.23	0.11	0.79	1.06	0.93-1.2	0.42	0.97
rs937213	1.08	0.97-1.19	0.17	0.80	0.90	0.8-1.02	0.09	0.88
rs9401090	1.08	0.96-1.22	0.20	0.80	1.02	0.9-1.17	0.72	0.98
rs941454	1.05	0.95-1.16	0.31	0.88	1.16	1.03-1.29	0.01	0.74
rs9431431	0.94	0.84-1.04	0.23	0.82	1.09	0.97-1.24	0.16	0.93
rs9456648	1.02	0.92-1.14	0.73	0.99	0.98	0.87-1.1	0.70	0.98
rs9472135	1.02	0.91-1.14	0.75	0.99	1.02	0.9-1.15	0.79	0.98
rs9477927	1.07	0.97-1.19	0.19	0.80	0.98	0.87-1.09	0.66	0.98
rs9479509	0.96	0.86-1.08	0.54	0.96	1.04	0.91-1.18	0.58	0.97
rs9486916	1.01	0.9-1.15	0.82	0.99	1.07	0.93-1.23	0.33	0.93
rs9506725	1.15	1.04-1.27	0.01	0.42	1.00	0.89-1.12	0.95	1.00
rs9526707	0.92	0.83-1.02	0.12	0.80	0.99	0.88-1.11	0.84	0.99
rs9532959	1.21	0.97-1.49	0.09	0.75	0.92	0.72-1.18	0.53	0.97
rs953492	1.07	0.97-1.19	0.19	0.80	0.98	0.88-1.1	0.76	0.98
rs954767	1.04	0.93-1.17	0.50	0.96	1.05	0.93-1.19	0.45	0.97
rs9549297	0.94	0.83-1.06	0.30	0.87	0.94	0.82-1.07	0.34	0.93
rs9549328	1.10	0.97-1.24	0.13	0.80	0.97	0.84-1.11	0.65	0.98
rs956006	1.02	0.91-1.14	0.74	0.99	1.02	0.9-1.16	0.78	0.98
rs9563529	0.99	0.88-1.11	0.82	0.99	1.11	0.98-1.25	0.11	0.88
rs9565436	0.95	0.82-1.09	0.46	0.96	1.01	0.86-1.18	0.90	0.99
rs9608690	1.23	1-1.52	0.05	0.64	1.13	0.91-1.42	0.28	0.93
rs9609429	0.95	0.85-1.06	0.40	0.93	1.04	0.92-1.18	0.53	0.97
rs9638084	1.00	0.9-1.11	0.99	1.00	1.05	0.94-1.18	0.37	0.94
rs963920	1.06	0.95-1.18	0.31	0.87	1.01	0.89-1.14	0.91	0.99
rs9650650	1.02	0.92-1.13	0.66	0.98	0.96	0.85-1.07	0.45	0.97
rs9658584	0.97	0.84-1.12	0.66	0.98	0.96	0.82-1.13	0.63	0.98
rs9662255	1.02	0.93-1.13	0.65	0.98	0.94	0.84-1.05	0.24	0.93
rs9678851	0.97	0.88-1.07	0.57	0.96	0.91	0.81-1.01	0.08	0.88
rs9687065	0.95	0.85-1.06	0.35	0.90	0.98	0.86-1.11	0.70	0.98
rs9708177	1.12	0.92-1.34	0.25	0.84	0.76	0.6-0.94	0.01	0.77
rs9710247	0.91	0.82-1	0.06	0.69	1.08	0.96-1.22	0.19	0.93
rs9729719	1.00	0.9-1.11	0.99	1.00	1.02	0.9-1.15	0.74	0.98
rs9818220	0.97	0.85-1.09	0.59	0.96	0.99	0.86-1.14	0.90	0.99
rs9827472	0.99	0.89-1.1	0.85	0.99	0.99	0.88-1.11	0.81	0.99
rs9833313	0.96	0.85-1.08	0.51	0.96	1.07	0.94-1.22	0.32	0.93
rs9837162	1.08	0.97-1.19	0.16	0.80	1.00	0.89-1.12	0.94	1.00
rs9844972	1.11	0.82-1.48	0.49	0.96	1.14	0.82-1.58	0.42	0.97
rs9845655	0.98	0.87-1.09	0.67	0.98	0.97	0.86-1.1	0.62	0.98
rs9849301	0.93	0.81-1.07	0.33	0.89	1.14	0.98-1.33	0.09	0.88
rs9857362	1.04	0.94-1.15	0.46	0.96	0.96	0.85-1.07	0.45	0.97
rs9859176*	1.15	1.04-1.27	0.01	0.43	0.97	0.87-1.09	0.65	0.98
rs9860290	1.04	0.92-1.18	0.51	0.96	0.96	0.84-1.1	0.58	0.97
rs9865843	1.05	0.95-1.16	0.34	0.89	1.01	0.91-1.13	0.79	0.98
rs9875380	0.96	0.87-1.07	0.48	0.96	0.89	0.8-1	0.05	0.83
rs9882772	1.11	1.01-1.23	0.03	0.55	0.95	0.85-1.05	0.31	0.93
rs9885632	1.04	0.93-1.17	0.50	0.96	1.16	1.02-1.32	0.03	0.81
rs9904409	1.16	0.94-1.43	0.17	0.80	0.81	0.62-1.04	0.11	0.88
rs9932220	1.12	0.99-1.26	0.07	0.71	0.98	0.86-1.13	0.80	0.99
rs9932866	1.03	0.93-1.15	0.51	0.96	1.00	0.9-1.12	0.94	1.00
rs9935770	1.01	0.92-1.12	0.79	0.99	0.98	0.88-1.1	0.77	0.98

rs9937309 1.09 0.96-1.23 0.19 0.80 0.90 0.78-1.04 0.14 0.93

Associations reaching a p-value <0.05 are highlighted in bold. *Genetic variants or proxies to genetic variants previously associated with hypertension

S10. Odds ratio (95%CI) of independent variables in the joint model for incidence of hypertension defined according to US guidelines (N= 1,453)

Variables	OR (95%CI)	p-value
Age (years)	1.40 (1.09-1.81)	9.93E-03
Age ² (years ²)	1.00 (0.99-1.00)	3.85E-02
Sex (Male vs Female)	0.70 (0.54-0.93)	1.19E-02
Follow-up time (years)	1.16 (0.82-1.65)	0.42
BMI (SD)	1.29 (1.15-1.46)	2.15E-05
Fasting glucose (SD)	1.03 (0.91-1.16)	0.68
Two-hour glucose (SD)	1.19 (1.05-1.34)	5.29E-03
Systolic blood pressure (SD)	1.64 (1.43-1.89)	2.13E-12
Diastolic blood pressure (SD)	1.17 (1.02-1.34)	2.33E-02
Fasting status (fasted vs non-fasted)	1.06 (0.63-1.76)	0.83
Smoking status		-
Smokers vs former smokers	0.99 (0.71-1.41)	1
Smokers vs non-smokers	1.00 (0.74-1.36)	0.98
Smokers vs occasional smokers	1.27 (0.70-2.26)	0.43
Smokers vs former occasional smokers	1.33 (0.84-2.08)	0.22
Physical activity		-
Never vs occasionally	0.97 (0.73-1.29)	0.83
Never vs 1-2 times a week	0.87 (0.64-1.19)	0.39
Never vs 2-3 times a week	0.54 (0.34-0.84)	7.37E-03
Never vs > 3 times a week	0.96 (0.48-1.88)	0.91
GRS _{comb} (SD)	1.11 (0.99-1.25)	0.08

OR: Odds ratio. GRS_{comb}: Genetic Risk Score including all the genetic variants associated with any blood pressure traits.

SD: Standard deviation. Significant estimates are marked in bold.

S11. Odds ratio (95%CI) of independent variables in the joint model for incidence of hypertension defined according to European guidelines (N= 2,392)

Variables	OR (95%CI)	p-value
Age (years)	1.25 (0.96-1.63)	0.1
Age ² (years ²)	1.00 (1.00-1.00)	0.25
Sex (Male vs Female)	1.01 (0.81-1.27)	0.91
Follow-up time (years)	1.19 (0.88-1.61)	0.27
BMI (SD)	1.18 (1.06-1.30)	1.49E-03
Fasting glucose (SD)	1.04 (0.94-1.15)	0.44
Two-hour glucose (SD)	1.06 (0.96-1.18)	0.25
Systolic blood pressure (SD)	2.14 (1.87-2.45)	<2E-16
Diastolic blood pressure (SD)	1.26 (1.10-1.44)	6.52E-04
Fasting status (fasted vs non-fasted)	0.80 (0.49-1.30)	0.38
Smoking status		-
Smokers vs former smokers	0.92 (0.69-1.24)	0.6
Smokers vs non-smokers	0.79 (0.60-1.03)	0.08
Smokers vs occasional smokers	0.76 (0.41-1.38)	0.39
Smokers vs former occasional smokers	0.99 (0.66-1.47)	0.94
Physical activity		-
Never vs occasionally	0.86 (0.67-1.10)	0.24
Never vs 1-2 times a week	0.84 (0.64-1.11)	0.24
Never vs 2-3 times a week	0.49 (0.32-0.74)	8.78E-04
Never vs > 3 times a week	1.26 (0.69-2.26)	0.44
GRS _{comb} (SD)	1.22 (1.10-1.35)	1.75E-04

OR: Odds ratio. GRS_{comb}: Genetic Risk Score including all the genetic variants associated with any blood pressure traits.

SD: Standard deviation. Significant estimates are marked in bold.

S12. Longitudinal variance heterogeneity analyses of all blood pressure continuous traits and their corresponding GRS

Phenotypes	Beta (per 1SD)	95%CI	p-value
SBP (mmHg)	0.02	-0.03-0.06	0.45
DBP (mmHg)	-0.01	-0.06-0.04	0.69
MAP (mmHg)	-0.02	-0.06-0.03	0.46
PP (mmHg)	0.01	-0.03-0.06	0.61

S13. GRS_{comb} by sex interaction analyses in the joint model for the two hypertension incidence phenotypes

Variables	HTN-US		HTN-EUR	
	OR (95%CI)	p-value	OR (95%CI)	p-value
Age (years)	1.40 (1.09-1.81)	1.02E-02	1.23 (0.95-1.62)	0.12
Age ² (years ²)	1.00 (0.99-1.00)	3.95E-02	1.00 (1.00-1.00)	0.29
Sex (Male vs Female)	0.70 (0.54-0.93)	1.19E-02	1.00 (0.80-1.25)	0.98
Follow-up time (years)	1.16 (0.82-1.65)	0.42	1.18 (0.87-1.60)	0.28
BMI (SD)	1.29 (1.15-1.46)	2.18E-05	1.18 (1.06-1.30)	1.42E-03
Fasting glucose (SD)	1.03 (0.91-1.16)	0.68	1.04 (0.94-1.15)	0.45
Two-hour glucose (SD)	1.19 (1.05-1.35)	5.20E-03	1.06 (0.96-1.18)	0.25
Systolic blood pressure (SD)	1.64 (1.43-1.89)	2.07E-12	2.14 (1.87-2.45)	<2E-16
Diastolic blood pressure (SD)	1.17 (1.02-1.34)	2.36E-02	1.26 (1.10-1.44)	6.28E-04
Fasting status (fasted vs non-fasted)	1.06 (0.63-1.76)	0.83	0.81 (0.49-1.31)	0.4
Smoking status	-	-	-	-
Smokers vs former smokers	1.00 (0.71-1.41)	0.99	0.92 (0.69-1.24)	0.6
Smokers vs non-smokers	1.00 (0.74-1.36)	0.99	0.78 (0.60-1.02)	0.07
Smokers vs occasional smokers	1.26 (0.70-2.26)	0.44	0.75 (0.40-1.36)	0.36
Smokers vs former occasional smokers	1.32 (0.84-2.07)	0.22	0.98 (0.65-1.46)	0.91
Physical activity	-	-	-	-
Never vs occasionally	0.97 (0.72-1.29)	0.83	0.86 (0.67-1.10)	0.24
Never vs 1-2 times a week	0.87 (0.64-1.19)	0.39	0.85 (0.64-1.12)	0.24
Never vs 2-3 times a week	0.54 (0.34-0.85)	8.13E-03	0.50 (0.32-0.75)	1.08E-03
Never vs > 3 times a week	0.96 (0.48-1.87)	0.9	1.24 (0.67-2.23)	0.47
GRS _{comb} (SD)	1.08 (0.85-1.37)	0.53	1.09 (0.91-1.30)	0.34
GRS _{comb} *sex	1.03 (0.79-1.36)	0.81	1.19 (0.96-1.48)	0.11

OR: Odds ratio. GRS_{comb}: Genetic Risk Score including all the genetic variants associated with any blood pressure traits.

SD: Standard deviation. Significant estimates are marked in bold.

S14. GRS_{comb} by age interaction analyses in the joint model for the two hypertension incidence phenotypes

Variables	HTN-US		HTN-EUR	
	OR (95%CI)	p-value	OR (95%CI)	p-value
Age (years)	1.40 (1.09-1.81)	1.02E-02	1.28 (0.98-1.68)	0.07
Age ² (years ²)	1.00 (0.99-1.00)	3.92E-02	1.00 (0.99-1.00)	0.2
Sex (Male vs Female)	0.70 (0.54-0.93)	1.22E-02	1.01 (0.81-1.26)	0.95
Follow-up time (years)	1.16 (0.82-1.65)	0.41	1.19 (0.88-1.61)	0.27
BMI (SD)	1.29 (1.15-1.46)	2.14E-05	1.18 (1.06-1.30)	1.51E-03
Fasting glucose (SD)	1.03 (0.91-1.16)	0.68	1.04 (0.94-1.15)	0.44
Two-hour glucose (SD)	1.19 (1.05-1.35)	5.29E-03	1.06 (0.96-1.18)	0.25
Systolic blood pressure (SD)	1.64 (1.43-1.89)	2.17E-12	2.14 (1.87-2.46)	<2E-16
Diastolic blood pressure (SD)	1.17 (1.02-1.34)	2.35E-02	1.26 (1.10-1.44)	7.00E-04
Fasting status (fasted vs non-fasted)	1.06 (0.63-1.75)	0.83	0.81 (0.49-1.31)	0.4
Smoking status	-	-	-	-
Smokers vs former smokers	1.00 (0.71-1.41)	1	0.92 (0.69-1.24)	0.6
Smokers vs non-smokers	1.00 (0.74-1.36)	0.98	0.79 (0.60-1.03)	0.09
Smokers vs occasional smokers	1.26 (0.70-2.26)	0.43	0.77 (0.41-1.39)	0.4
Smokers vs former occasional smokers	1.32 (0.84-2.08)	0.22	0.99 (0.66-1.47)	0.96
Physical activity	-	-	-	-
Never vs occasionally	0.97 (0.73-1.29)	0.83	0.86 (0.67-1.10)	0.24
Never vs 1-2 times a week	0.87 (0.64-1.19)	0.39	0.85 (0.64-1.12)	0.24
Never vs 2-3 times a week	0.54 (0.34-0.84)	7.31E-03	0.49 (0.32-0.75)	1.00E-03
Never vs > 3 times a week	0.96 (0.48-1.87)	0.9	1.25 (0.68-2.24)	0.46
GRS _{comb} (SD)	1.04 (0.45-2.42)	0.92	2.06 (0.90-4.75)	0.09
GRS _{comb} *age	1.00 (0.98-1.02)	0.89	0.99 (0.97-1.01)	0.21

OR: Odds ratio. GRS_{comb}: Genetic Risk Score including all the genetic variants associated with any blood pressure traits.
SD: Standard deviation. Significant estimates are marked in bold.

S15. GRS_{comb} by BMI interaction analyses in the joint model for the two hypertension incidence phenotypes

Variables	HTN-US		HTN-EUR	
	OR (95%CI)	p-value	OR (95%CI)	p-value
Age (years)	1.40 (1.09-1.82)	9.76E-03	1.25 (0.96-1.63)	0.1
Age ² (years ²)	1.00 (0.99-1.00)	3.80E-02	1.00 (1.00-1.00)	0.25
Sex (Male vs Female)	0.70 (0.54-0.93)	1.21E-02	1.02 (0.81-1.27)	0.88
Follow-up time (years)	1.16 (0.82-1.65)	0.42	1.19 (0.88-1.62)	0.26
BMI (SD)	1.30 (1.15-1.46)	2.14E-05	1.19 (1.07-1.32)	9.54E-04
Fasting glucose (SD)	1.02 (0.91-1.16)	0.69	1.03 (0.94-1.14)	0.5
Two-hour glucose (SD)	1.19 (1.05-1.34)	5.58E-03	1.06 (0.95-1.18)	0.28
Systolic blood pressure (SD)	1.64 (1.43-1.89)	2.21E-12	2.14 (1.87-2.46)	<2E-16
Diastolic blood pressure (SD)	1.17 (1.02-1.34)	2.31E-02	1.26 (1.10-1.43)	7.82E-04
Fasting status (fasted vs non-fasted)	1.06 (0.63-1.76)	0.82	0.81 (0.49-1.31)	0.4
Smoking status	-	-	-	-
Smokers vs former smokers	1.00 (0.71-1.41)	0.99	0.92 (0.68-1.24)	0.59
Smokers vs non-smokers	1.00 (0.74-1.36)	0.98	0.79 (0.60-1.03)	0.09
Smokers vs occasional smokers	1.26 (0.70-2.26)	0.43	0.76 (0.41-1.38)	0.38
Smokers vs former occasional smokers	1.32 (0.84-2.08)	0.22	0.99 (0.66-1.47)	0.95
Physical activity	-	-	-	-
Never vs occasionally	0.97 (0.72-1.29)	0.82	0.86 (0.67-1.10)	0.22
Never vs 1-2 times a week	0.87 (0.64-1.19)	0.39	0.85 (0.64-1.12)	0.25
Never vs 2-3 times a week	0.54 (0.34-0.84)	7.36E-03	0.49 (0.32-0.75)	9.94E-04
Never vs > 3 times a week	0.96 (0.48-1.87)	0.9	1.26 (0.68-2.25)	0.45
GRS _{comb} (SD)	1.11 (0.99-1.24)	0.09	1.20 (1.09-1.34)	4.67E-04
GRS _{comb} *BMI	1.01 (0.90-1.14)	0.81	1.10 (1.00-1.22)	0.06

OR: Odds ratio. GRS_{comb}: Genetic Risk Score including all the genetic variants associated with any blood pressure traits.

SD: Standard deviation. Significant estimates are marked in bold.

S16. GRS_{comb} by SBP interaction analyses in the joint model for the two hypertension incidence phenotypes

Variables	HTN-US		HTN-EUR	
	OR (95%CI)	p-value	OR (95%CI)	p-value
Age (years)	1.40 (1.09-1.82)	9.42E-03	1.25 (0.97-1.64)	0.1
Age ² (years ²)	1.00 (0.99-1.00)	3.67E-02	1.00 (1.00-1.00)	0.24
Sex (Male vs Female)	0.71 (0.54-0.93)	1.24E-02	1.01 (0.81-1.27)	0.91
Follow-up time (years)	1.16 (0.82-1.65)	0.41	1.19 (0.88-1.61)	0.26
BMI (SD)	1.29 (1.15-1.46)	2.25E-05	1.18 (1.06-1.30)	1.47E-03
Fasting glucose (SD)	1.03 (0.91-1.16)	0.69	1.04 (0.94-1.15)	0.44
Two-hour glucose (SD)	1.19 (1.05-1.34)	5.34E-03	1.06 (0.96-1.18)	0.25
Systolic blood pressure (SD)	1.64 (1.43-1.89)	2.44E-12	2.14 (1.87-2.45)	<2E-16
Diastolic blood pressure (SD)	1.17 (1.02-1.34)	2.08E-02	1.26 (1.10-1.44)	6.55E-04
Fasting status (fasted vs non-fasted)	1.06 (0.63-1.75)	0.83	0.80 (0.48-1.29)	0.38
Smoking status	-	-	-	-
Smokers vs former smokers	1.00 (0.71-1.41)	0.99	0.92 (0.68-1.24)	0.59
Smokers vs non-smokers	1.00 (0.74-1.35)	0.99	0.79 (0.60-1.03)	0.08
Smokers vs occasional smokers	1.26 (0.70-2.26)	0.43	0.77 (0.41-1.39)	0.39
Smokers vs former occasional smokers	1.32 (0.84-2.07)	0.22	0.98 (0.65-1.46)	0.92
Physical activity	-	-	-	-
Never vs occasionally	0.96 (0.72-1.29)	0.8	0.86 (0.67-1.10)	0.24
Never vs 1-2 times a week	0.87 (0.64-1.19)	0.39	0.85 (0.64-1.12)	0.24
Never vs 2-3 times a week	0.54 (0.34-0.84)	6.90E-03	0.49 (0.32-0.74)	8.40E-04
Never vs > 3 times a week	0.96 (0.48-1.86)	0.89	1.26 (0.68-2.25)	0.45
GRS _{comb} (SD)	1.10 (0.98-1.24)	0.11	1.20 (1.08-1.35)	9.41E-04
GRS _{comb} *SBP	1.05 (0.93-1.19)	0.4	1.03 (0.91-1.16)	0.64

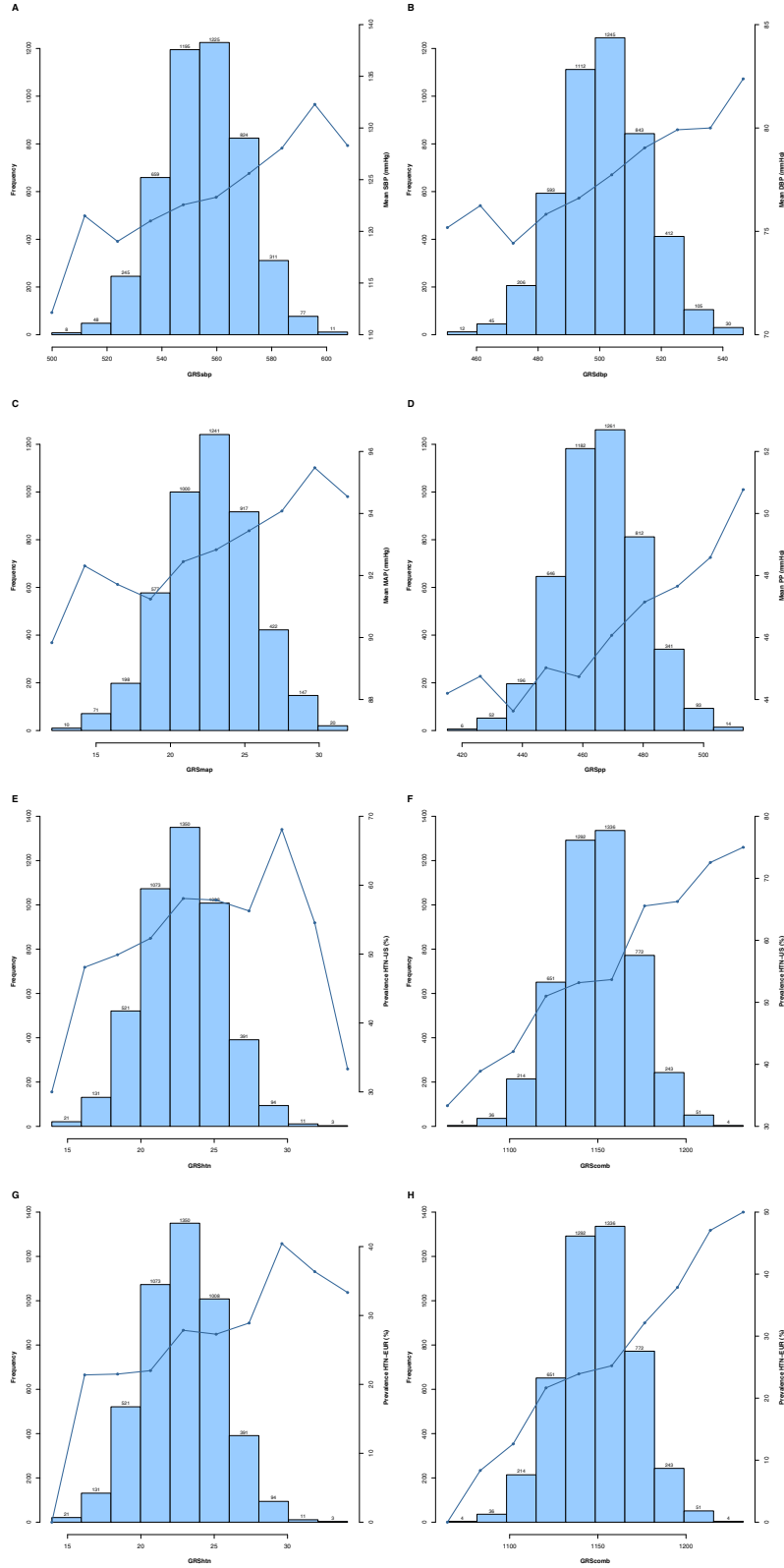
OR: Odds ratio. GRS_{comb}: Genetic Risk Score including all the genetic variants associated with any blood pressure traits.
SD: Standard deviation. Significant estimates are marked in bold.

S17. GRS_{comb} by DBP interaction analyses in the joint model for the two hypertension incidence phenotypes

Variables	HTN-US		HTN-EUR	
	OR (95%CI)	p-value	OR (95%CI)	p-value
Age (years)	1.40 (1.09-1.82)	9.59E-03	1.24 (0.96-1.63)	0.1
Age ² (years ²)	1.00 (0.99-1.00)	3.75E-02	1.00 (1.00-1.00)	0.26
Sex (Male vs Female)	0.70 (0.54-0.93)	1.21E-02	1.01 (0.81-1.27)	0.91
Follow-up time (years)	1.15 (0.81-1.64)	0.43	1.18 (0.88-1.60)	0.27
BMI (SD)	1.29 (1.15-1.46)	2.23E-05	1.18 (1.06-1.30)	1.51E-03
Fasting glucose (SD)	1.03 (0.91-1.16)	0.69	1.04 (0.94-1.15)	0.42
Two-hour glucose (SD)	1.19 (1.05-1.35)	5.10E-03	1.07 (0.96-1.18)	0.25
Systolic blood pressure (SD)	1.64 (1.43-1.88)	2.63E-12	2.14 (1.87-2.45)	<2E-16
Diastolic blood pressure (SD)	1.17 (1.02-1.34)	2.29E-02	1.26 (1.11-1.45)	5.47E-04
Fasting status (fasted vs non-fasted)	1.06 (0.63-1.76)	0.82	0.81 (0.49-1.31)	0.4
Smoking status	-	-	-	-
Smokers vs former smokers	1.00 (0.71-1.41)	0.99	0.92 (0.69-1.24)	0.6
Smokers vs non-smokers	1.01 (0.74-1.36)	0.96	0.79 (0.60-1.03)	0.08
Smokers vs occasional smokers	1.27 (0.70-2.26)	0.43	0.76 (0.40-1.37)	0.37
Smokers vs former occasional smokers	1.32 (0.84-2.07)	0.22	0.99 (0.66-1.47)	0.95
Physical activity	-	-	-	-
Never vs occasionally	0.97 (0.73-1.30)	0.86	0.86 (0.67-1.10)	0.24
Never vs 1-2 times a week	0.88 (0.64-1.20)	0.4	0.84 (0.64-1.11)	0.23
Never vs 2-3 times a week	0.54 (0.34-0.85)	8.12E-03	0.49 (0.32-0.74)	9.31E-04
Never vs > 3 times a week	0.96 (0.48-1.88)	0.91	1.26 (0.69-2.26)	0.44
GRS _{comb} (SD)	1.11 (0.99-1.25)	0.07	1.24 (1.11-1.38)	1.42E-04
GRS _{comb} *DBP	0.96 (0.85-1.09)	0.54	0.95 (0.85-1.07)	0.43

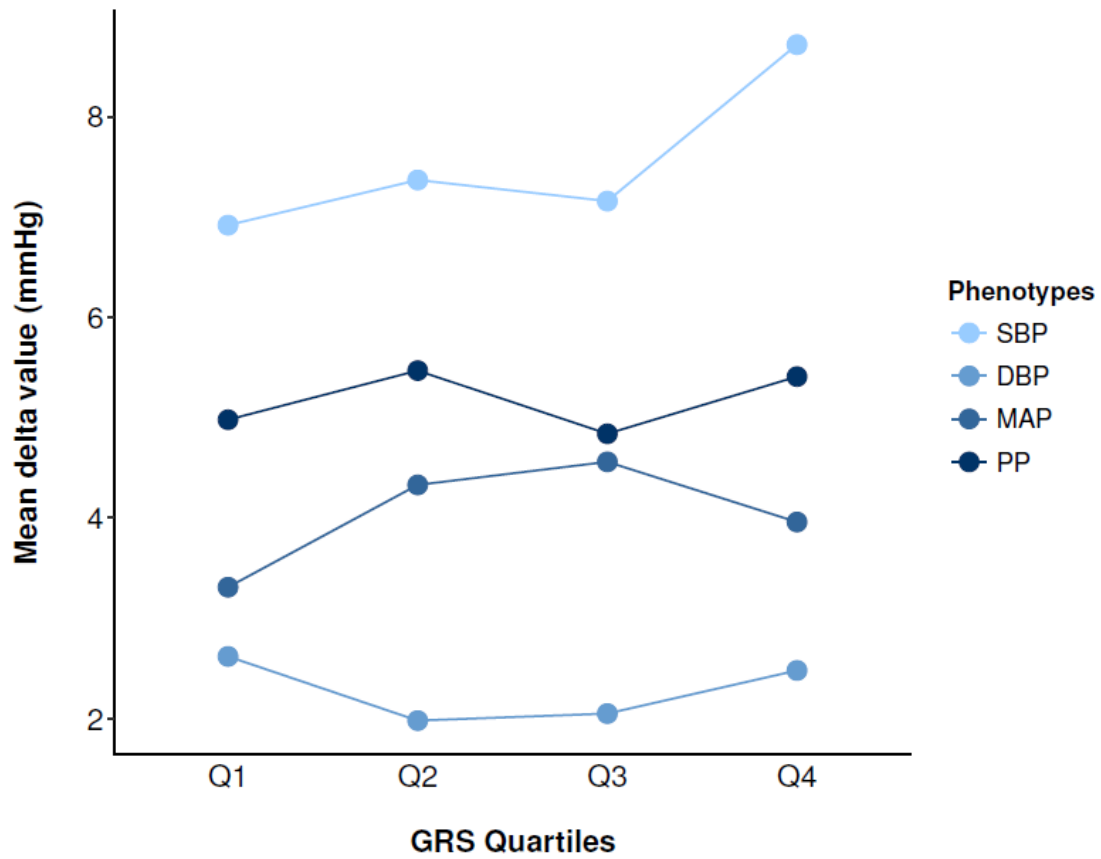
OR: Odds ratio. GRS_{comb}: Genetic Risk Score including all the genetic variants associated with any blood pressure traits.
SD: Standard deviation. Significant estimates are marked in bold.

Figure S1. Histograms of the six GRSs showing the corresponding BP trait's mean or prevalence of hypertension by deciles.



GRS: Genetic risk score; SBP: Systolic blood pressure; DBP: Diastolic blood pressure; MAP: Mean arterial blood pressure. PP: Pulse pressure; HTN-US: Hypertension according to US guidelines; HTN-EUR: Hypertension according to European guidelines; GRSsbp: GRS including genetic variants associated with SBP; GRSdbp: GRS including genetic variants associated with DBP; GRSmap: GRS including genetic variants associated with MAP; GRSpp: GRS including genetic variants associated with PP; GRS_{HTN}: GRS including all the genetic variants associated with hypertension. GRScomb: GRS including all the genetic variants associated with any blood pressure trait.

Figure S2. Delta blood pressure by quartiles of the GRSs.



GRS: Genetic risk score; SBP: Systolic blood pressure; DBP: Diastolic blood pressure; MAP: Mean arterial blood pressure. PP: Pulse pressure.