SUPPLEMENTAL MATERIAL

SUPPLEMENTAL METHODS

Clinic-based derivation cohorts

All samples were from individuals of self-reported European ancestry. Patients were classified into etiologic subtypes according to the Trial of Org 10172 in Acute Stroke Treatment (TOAST)[1]. This classification includes six categories: (1) large-artery occlusive disease (large vessel disease, LAS), (2) cardioembolism (cardiogenic stroke, CES), (3) small vessel disease (lacunar stroke, SVS), (4) other determined etiology, (5) etiology unknown despite diagnostic efforts, or (6) more than one etiology. Individuals with other determined etiology were excluded prior to genotyping.
Details of individual WTCCC2 populations can be found in. [2] In brief, the four discovery case cohorts and matching control cohorts were as follows:

WTCCC2-UK (2374 cases in total, mean age 72.2+- 12.5 years, 1104 females)
(a) St George's Stroke Study, London, UK: St George's Ischemic stroke patients of European descent attending a cerebrovascular service were recruited 1995-2008. All cases were phenotyped by one experienced stroke neurologist with review of original imaging.
(b) Oxford Vascular Study, UK: Patients of European descent with acute ischemic stroke or TIA with evidence of infarction on brain imaging were recruited during 2002-2008 as part of a population-based study of all TIA and stroke in about 91,000 people in Oxfordshire, UK. All cases were phenotyped by one experienced stroke neurologist with review of original imaging.
(c) Edinburgh Stroke Study, Scotland, UK: Between 2002 and 2005 consecutive, consenting patients with stroke who were admitted to or seen as outpatients at the Western General Hospital, Edinburgh were prospectively recruited. Cases in this study were those of European descent with a clinically evident stroke, demonstrated by brain imaging (CT or MRI) to be ischemic (ie, primary hemorrhage excluded). An experienced stroke physician assessed each patient as soon as possible after the stroke, prospectively recording demographic and clinical details, including vascular risk factors and results of brain imaging and other investigations.

WTCCC2-Munich sample (1174 cases, mean age 66.7 +/- 12.9 years, 448 female)
Munich, Germany: 1,174 white European patients were recruited consecutively from a single dedicated Stroke Unit (Klinikum der Universität München, Ludwig-Maximilians-University, Munich) from 2002-2008.

Discovery cohort controls
The control data set for the UK discovery samples was previously described [2] totaling 5,667 samples (2,742 females) from the 1958 Birth Cohort (58C) and the National Blood service (NBS). The control data set for the German cases was taken from the MONICA/KORA Augsburg Study of independent population based controls from the same region of Germany (840 samples, 404 females). No phenotypic data was available for the controls, in line with WTCCC1 and the other disease group analyses in WTCCC2. Only gender was inferable from provided genotype information, and age was inferred from the 58C as this was a birth year based study.

DNA preparation and genotyping
Genomic DNA for all Discovery cases was shipped to the Sanger Institute, Cambridge. Where there was sufficient DNA, quality was validated using the Sequenom iPLEX assay designed to genotype four gender SNPs and 26 SNPs present on the Illumina Beadchips. DNA concentrations were quantified using a PicoGreen assay (Invitrogen) and an aliquot assayed by agarose gel electrophoresis. A DNA sample was considered to pass quality control if the DNA concentration was greater than or equal to 50 ng/l, the DNA was not degraded, the gender assignment from the iPLEX assay matched that provided in the patient data manifest and genotypes were obtained for at least two thirds of the SNPs on the iPLEX.
Genotyping of the samples was carried out at the WTSI on the Illumina BeadArray platform. Cases were genotyped on the Illumina Human660-Quad array and the controls were genotyped on the Illumina 1.2M-Duo array. Normalised probe intensities were exported using the BeadStudio program and genotypes called separately in the 58C, NBS and PD datasets using the native GENCALL algorithm[3]. British controls were genotyped using the Illumina Human1.2M-Duo. German controls were genotyped on the Illumina Human 550k platform. Quality control procedures in the WTCCC2 excluded SNPs not genotyped on all case and control collections and SNPs with Fisher information measure <0.98, genotype call rate <0.95, MAF <0.01 or Hardy-Weinberg P-value <1E-20 in either the case or control collections. Samples were also removed if they exhibited discrepancies between inferred and recorded gender or cryptic relatedness with other WTCCC2 samples (pairwise identity-by-descent >0.05). In total, 108 samples were removed due to poor quality.

Quality Control
Genotype data quality control was via the protocol that was established for the WTCCC2 studies. A few refinements to the conventional fixed-threshold based quality control have been made to obtain the more powerful sets of samples and SNPs for subsequent analysis. For the purposes of quality control SNPs were excluded from analysis if, in any of the data sets (58C, stroke, NBS or KORA), they had a minor allele frequency (MAF) less than 1%, a significant departure form Hardy Weinberg Equilibrium ($P < 10^{-5}$) or a significant association with the plate on which the samples were assayed ($P < 10^{-6}$). We also excluded SNPs for which the observed statistical (Fisher) information about the allele frequency was less than 98% of the information contained in a hypothetical sample of the same size and expected MAF but with no missing data. In total after QC 561,991 SNPs were available common to all chips used for genotyping. More information about quality control can be seen in [2].

Imputation
Autosomal genotype imputation was performed using MACH based on HapMap Phase 2 European (CEU) reference data. Overall imputation quality was very good, with an average info score of 0.93. Only variants with an info score > 0.3 were used in subsequent analyses. Standard QC, as illustrated in the Methods section, was used in each imputed cohort separately and in the merged cohorts. Before QC, the SNP set consisted of 2,543,909 SNPs, after QC, the final set included 2,419,891 SNPs. All SNPs not present in the imputation panel were removed from analysis. All individuals included in the analysis had information available on all SNPs used.

Clinic-based replication cohorts

MGH-GASROS (Massachusetts General Hospital- Genes Associated with Stroke Risk and Outcomes Study,767 cases, mean age 66.6+-14.5, 329 female): We analyzed phenotype and genotype data for ischemic stroke cases and controls enrolled in the Genes Affecting Stroke Risk and Outcome Study (GASROS)[4] at Massachusetts General Hospital (MGH) and additional stroke free controls from the Genetics of Cerebral Hemorrhage on Anticoagulation (GOCHA) study[5] in the USA (participating sites included Massachusetts General Hospital, Beth Israel Deaconess Medical Center, Mayo Clinic Jacksonville, and the universities of Michigan, Virginia, Florida at Jacksonville, Washington and Utah).

All included cases were ≥ 18 years presenting with ischemic stroke and admitted to the MGH Stroke Unit through the Emergency Department, or evaluated in the MGH Neurology outpatient clinics, as well as on the inpatient Medical and Vascular Surgical services from January 2003 to July 2008. Ischemic stroke was defined as either (1) a radiographically proven (head CT or MRI) infarct associated with the appropriate clinical stroke syndrome, or (2) a fixed neurological deficit persisting more than 24 hours, consistent with a vascular pattern of involvement and without radiographic evidence of demyelinating disease, or other non-vascular structural disease. All subjects were evaluated by a neurologist upon presentation and clinical and laboratory data were collected during the admission for qualifying ischemic stroke event. All patients had brain imaging (CT and/or MRI) as well as ancillary diagnostic investigations where clinically relevant.

Controls were enrolled from the population that gave rise to the cases at MGH and participating institutions. Controls were confirmed to have no medical history of acute ischemic stroke (AIS) or intracerebral hemorrhage (ICH) by means of interview and review of medical records.

Peripheral whole blood was collected from cases and controls at each participating institution at the time of consent. Blood samples were subsequently shipped to the Massachusetts General Hospital, the coordinating center, and genotyping was carried out at the Broad Institute. DNA was isolated from fresh or frozen blood, quantified with a quantification kit (Qiagen, Valencia, CA, USA) and normalized to a concentration of 30 ng/μL. Genotyping was performed using Illumina (San Diego, CA, USA) HumanHap 610 Quad (GASROS cases and GOCHA controls) or Affymetrix 6.0 Beadchip arrays (portion of GASROS cases).

GW data went through a series of quality control metrics aimed at identifying individual subjects with poor quality genotyping, as well as SNPs with evidence of inadequate / incomplete capture. QC procedures excluded SNPs missing in > 5% of samples, with a MAF < 1%, or with an excessive deviation from HWE p<1E-06.

Individuals were removed if their inferred genotype gender was discordant with the recorded gender, or they had more than 5% missing genotype data. Individuals were also excluded if they were found to have familial relatedness - first cousin relationship or closer (one of each pair demonstrating identity-by-descent pi-hat > 0.15

was removed) - as their inclusion might unduly influence our findings. Additionally, Principal Component Analysis (PCA) was performed on GW data using HapMap Phase 3 populations to identify subjects of non-European descent. These subjects were therefore removed from all further analysis. QC and PCA were performed using PLINK v1.6 using previously validated protocols[6].

IMPUTE2 software was utilized to impute unobserved SNPs based on reference panels from the HapMap3 and 1000 Genomes Project Phase pilot (June 2010).

ASGC (Australian Stroke Genetics Collaborative, 1177 cases, mean age 72.9+-13.2, 535 female) : ASGC stroke cases comprised European-ancestry stroke patients admitted to four clinical centres across Australia (The Neurosciences Department at Gosford Hospital, Gosford, New South Wales (NSW); the Neurology Department at John Hunter Hospital, Newcastle, NSW; The Queen Elizabeth Hospital, Adelaide; and the Royal Perth Hospital, Perth) between 2003 and 2008. Stroke was defined by WHO criteria as a sudden focal neurologic deficit of vascular origin, lasting more than 24 hours and confirmed by imaging such as computerized tomography (CT) and/or magnetic resonance imaging (MRI) brain scan. Other investigative tests such as electrocardiogram, carotid doppler and transoesophageal echocardiogram were conducted to define IS mechanism as clinically appropriate. Cases were excluded from participation if aged <18 years, diagnosed with hemorrhagic stroke or transient ischemic attack rather than IS, or were unable to undergo baseline brain imaging. Based on these criteria, a total of 1230 IS cases were included in the current study. IS subtypes were assigned using TOAST criteria, based on clinical, imaging and risk factor data.[1]
ASGC controls were participants in the Hunter Community Study (HCS), a population-based cohort of individuals aged 55-85 years, predominantly of European Caucasian ancestry and residing in the Hunter Region, NSW, Australia. Detailed recruitment methods for the HCS have been previously described[7]. Briefly, participants were randomly selected from the NSW State electoral roll and contacted by mail between 2004 and 2007. Consenting participants completed five detailed self-report questionnaires and attended the HCS data collection centre, at which time a series of clinical measures were obtained. A total of 1280 HCS participants were genotyped for the current study.
All study participants gave informed consent for participation in genetic studies. Approval for the individual studies was obtained from relevant institutional ethics committees.

GEOS (Genetics of Early-Onset Stroke, 448 cases, 41.0+-6.9, 184 female): GEOS is a population-based case-control study designed to identify genes associated with early-onset stroke in patients with first-ever ischemic stroke aged 15-49 years from the greater Baltimore- Washington area between 1992 and 2008. Only patients of European descent are included in this analysis.
Cases were identified through discharge surveillance from 59 participating hospitals and direct physician referral from a defined geographic region. Abstracted medical records were reviewed and adjudicated for ischemic stroke subtype by two neurologists, with discrepancies resolved by a third neurologist. Controls with no history of ischemic stroke were identified through random digit dialing and were frequency-matched to cases based on sex, age, geographic location and, during the later study periods, ethnicity.

ISGS/SWISS (Ischemic Stroke Genetics Study/ Siblings with Ischemic Stroke Study, total 1,070 cases, mean age 66.5+-13.6, 528 female): The Siblings with Ischemic Stroke Study (SWISS) is a multicenter affected sibling pair study enrolling probands with ischemic stroke at 66 US medical centers and 4 Canadian medical centers.[8] All probands are adult men and women over the age of 18 years diagnosed with ischemic stroke confirmed by a study neurologist on the basis of history, physical examination and CT or MR imaging of the brain. Additionally all probands were required to have at least one living sibling with a history of stroke. Siblings were enrolled using proband-initiated contact or direct contact when permitted by Institutional Review Boards[9]. Clinical exclusion criteria mirrored that in ISGS. Concordant siblings had their diagnosis of ischemic stroke confirmed by review of medical records by a central vascular neurology committee. Subtype diagnoses were assigned to the index strokes of probands and concordant siblings according to TOAST criteria [10]. Readily available US controls were utilized, including stroke-free participants from the Baltimore Longitudinal Study of Aging and the National Institute of Neurological Diseases and Stroke neurologically normal control series taken from the Coriell Cell Repositories. All controls had been previously genotyped and described in detail elsewhere.
The Ischemic Stroke Genetic Study (ISGS) is a multicenter study where inpatient cases were recruited from five United States academic medical centers[11]. Cases are adult men and women over the age of 18 years diagnosed with first-ever ischemic stroke confirmed by a study neurologist on the basis of history, physical examination and CT or MR imaging of the brain who were enrolled within 30 days of onset of stroke symptoms. Cases exclusion criteria include: a mechanical aortic or mitral valve at the time of the index ischemic stroke, central nervous system vasculitis, bacterial endocarditis, cerebral autosomal dominant arteriopathy with subcortical

infarcts and leukoencephalopathy (CADASIL), Fabry disease, homocystinuria, mitochondrial encephalopathy with lactic acidosis and stroke-like episodes (MELAS), or sickle cell anemia. Stroke severity at enrollment was assessed using the NIH Stroke Scale with the diagnostic evaluation including head CT (95%) or MRI (83%), electrocardiography (92%), cervical arterial imaging (86%), and echocardiography (74%). Medical records from all cases were centrally reviewed by a vascular neurology committee and assigned ischemic stroke subtype diagnoses according to criteria from the Trial of ORG10172 (TOAST), the Oxfordshire Community Stroke Project, and the Baltimore-Washington Young Stroke Study.

BRAINS (Bio-Repository of DNA in Stroke, 394 cases, mean age 74.4+-7.2, 184 female): The Bio-Repository of DNA in Stroke (BRAINS) is an international study recruiting highly phenotyped patients with stroke. For the purposes of the current work all patients were Caucasians.
Diagnosis of stroke was confirmed using positive imaging (MRI or CT) and ischemic stroke subtypes were assigned using TOAST criteria [1], based on clinical, imaging and risk factor data. Controls were European-Ancestry, stroke-free participants from the shared WTCCC controls, a prospectively collected cohort of individuals born in 1958 (1958 Birth Cohort). The cohort has been described in detail elsewhere [12].

Population based replication cohorts

ARIC (Atherosclerosis Risk in Communities Study):
The ARIC study is a prospective population-based study of atherosclerosis and clinical atherosclerotic diseases in 15,792 men and women, including 11,478 non-Hispanic white participants, drawn from 4 U.S. communities (Suburban Minneapolis, Minnesota; Washington County, Maryland; Forsyth County, North Carolina, and Jackson, Mississippi). In the first three communities, the sample reflects the demographic composition of the community. In Jackson, only black residents were enrolled. Ancestry was self-reported during an interview. Over 99% self-identified as either white or black. Only self-identified whites were included in the analyses.[13]
Hospitalized strokes that occurred by December 31, 2008 (median follow-up, 19.9 years) were included in the analyses. During annual telephone contacts, trained interviewers asked each ARIC participant to list all hospitalizations during the past year. Hospital records for any hospitalizations identified were then obtained. Moreover, all local hospitals annually provided lists of stroke discharges (International Classification of Diseases, Ninth Revision, Clinical Modification codes 430 to 438), which were surveyed for ARIC participant discharges. Details on quality assurance for ascertainment and classification of stroke are described elsewhere.[14] Briefly, the stroke diagnosis was assigned according to criteria adapted from the National Survey of Stroke.[15] Strokes secondary to trauma, neoplasm, hematologic abnormality, infection, or vasculitis were excluded, and a focal deficit lasting <24 hours was not considered to be a stroke. Out-of-hospital stroke was not ascertained and validated; thus, these potential stroke events are not included. Strokes were classified into hemorrhagic stroke (subarachnoid and intracerebral hemorrhage) and ischemic stroke (thrombotic and embolic brain infarction). A stroke was classified as ischemic when a brain CT or MRI revealed acute infarction and showed no evidence of hemorrhage. All definite ischemic strokes were further classified as lacunar, nonlacunar thrombotic, or cardioembolic on the basis of the recorded neuroimaging results. A stroke was classified as "lacunar" when 2 criteria were met: (1) typical location of the infarct (basal ganglia, brain stem, thalamus, internal capsule, or cerebral white matter); and (2) infarct size of ≤2 cm or unstated size.[16] Definite or probable "cardioembolic" stroke required either (1) autopsy evidence of an infarcted area in the brain and a source of possible cerebral emboli in a vessel or the presence of an embolus in the brain or (2) medical record evidence of a possible noncarotid source of embolus such as moderate or greater valvular heart disease, atrial fibrillation, cardiac or arterial procedure (eg, cardiac catheterization, open heart surgery, cerebral angiography, and carotid endarterectomy), or intracardiac thrombus. Definite or probable ischemic strokes that were not classified as lacunar or cardioembolic, including atherothrombotic and unclassified thrombotic strokes, were labeled "nonlacunar." Hemorrhagic strokes identified by ARIC were censored at the time of their occurrence.

CHS (Cardiovascular Health Study):
The CHS is a population-based cohort study of risk factors for CHD and stroke in adults ≥65 years conducted across four field centers.[17] The original predominantly Caucasian cohort of 5,201 persons was recruited in 1989-1990 from random samples of the Medicare eligibility lists; subsequently, an additional predominantly African-American cohort of 687 persons were enrolled for a total sample of 5,888. DNA was extracted from blood samples drawn on all participants at their baseline examination in 1989-90. In 2007-2008, genotyping was performed at the General Clinical Research Center's Phenotyping/Genotyping Laboratory at Cedars-Sinai using the Illumina 370CNV BeadChip system on 3980 CHS participants who were free of CVD at baseline, consented to genetic testing, and had DNA available for genotyping.
A total of 1908 persons were excluded from the GWAS study sample due to the presence at study baseline of coronary heart disease, congestive heart failure, peripheral vascular disease, valvular heart disease, stroke or transient ischemic attack or lack of available DNA. Because the other cohorts were predominantly white, the

African American participants were excluded from this analysis to reduce the possibility of confounding by population structure.
In CHS, genotyping was performed at the General Clinical Research Center's Phenotyping/Genotyping Laboratory at Cedars-Sinai using the Illumina 370CNV BeadChip system. Genotypes were called using the Illumina BeadStudio software as above. Participants were excluded if they had Samples were excluded from analysis for sex mismatch, discordance with prior genotyping, or call rate < 95%. To date, genome-wide genotyping has been successful among 3,268 of 3,373 white participants on whom genotyping was attempted; the latter constitute the CHS sample for this study.
In CHS, the following exclusions were applied to identify a final set of 306,655 autosomal SNPs: call rate < 97%, HWE P < 10-5, > 2 duplicate errors or Mendelian inconsistencies (for reference CEPH trios), heterozygote frequency = 0, SNP not found in HapMap.
Imputation was performed using BIMBAM v0.99 with reference to HapMap CEU using release 22, build 36 using one round of imputations and the default expectation-maximization warm-ups and runs.
CHS was approved by institutional review committees at each site, the subjects gave informed consent, and those included in the present analysis consented to the use of their genetic information for the study of cardiovascular disease.

FHS (Framingham Heart Study): The FHS is a three-generation, single-site, community-based, ongoing cohort study that was initiated in 1948 to investigate prospectively the risk factors for CVD including stroke. It now comprises 3 generations of participants (N=10,333): the Original cohort followed since 1948; their Offspring and spouses of the Offspring, followed since 1971; and children from the largest Offspring families enrolled in 2000 (Gen 3). Gen 3 participants were not included in this analysis since they are young (mean age 40±9 years at enrollment) and few have suffered strokes. The Original cohort enrolled 5209 men and women who comprised two-thirds of the adult population then residing in Framingham, MA. Survivors continue to receive biennial examinations and have completed 31 examinations. The Offspring cohort comprises 5124 persons (including 3514 biological offspring) who have been examined approximately once every 4 years for a total of 9 examinations. The population of Framingham was virtually entirely white (Europeans of English, Scots, Irish and Italian descent) in 1948 when the Original cohort was recruited. At the initial examination participants were asked for country of birth. At a later examination (the 8th) the Offspring cohort participants were asked to identify their race from the following choices: Caucasian or white, African-American or black, Asian, Native Hawaiian or other Pacific Islander, American Indian or Alaska native or 'prefer not to answer'. They were also asked to identify their ethnicity as either 'Hispanic or Latino' or neither. Almost all the FHS Original and Offspring participants are white/Caucasian and none were excluded from the discovery cohort. FHS participants had DNA extracted and provided consent for genotyping in the 1990s. All available eligible participants were genotyped at Affymetrix (Santa Clara, CA) through an NHLBI funded SNP-Health Association Resource (SHARe) project using the Affymetrix GeneChip® Human Mapping 500K Array Set and 50K Human Gene Focused Panel.® In 272 persons (31 with stroke), small amounts of DNA were extracted from stored whole blood and required whole genome amplification prior to genotyping. Cell lines were available for most of the remaining participants. Genotyping was successful in 5282 participants (2888 women, mean age 66.1±12.6 years). We also excluded 155 persons with prevalent ischemic stroke and 184 persons who did not have stroke surveillance on follow-up after genotyping; the remaining 4,371 subjects constitute the FHS sample for this study in whom we observed 198 incident ischemic strokes. Our stroke surveillance methods and protocols for determining the diagnosis and type of stroke have been previously published. All clinical events were ascertained by 2 or more neurologists at a consensus review. Stroke was defined as an acute onset focal neurological deficit of presumed or definite vascular etiology, persisting for more than 24 hours. An ischemic stroke was diagnosed if CT or MRI imaging confirmed an infarction or if CT showed no evidence of hemorrhage in the presence of a clinically definite stroke. We also utilized the data on clinical features and when available, examinations by Framingham study neurologists, brain MRI and CT, carotid ultrasound or MR angiography, echocardiography, ECG, cardiac monitoring, medication use, other laboratory criteria, other noninvasive vascular studies and information from lumbar puncture or autopsy studies to determine stroke subtype utilizing criteria analogous to the TOAST criteria. Ischemic strokes were thus further categorized as atherothrombotic (large artery or lacunar) or cardioembolic based on all available information.

Rotterdam Study:
The Rotterdam Study is a population-based cohort study among inhabitants of a district of Rotterdam (Ommoord), The Netherlands, and aims to examine the determinants of disease and health in the elderly with a focus on neurogeriatric, cardiovascular, bone, and eye disease.[18] All inhabitants aged ≥55 years (n = 10,275) were invited and the participation rate was 78%, yielding a total of 7983 subjects. All participants gave written informed consent to retrieve information from treating physicians. Baseline measurements were obtained from 1990 to 1993 and consisted of an interview at home and two visits to the research center for physical examination. At this baseline examination ancestry was determined by self-report. Participants were asked to identify with one of the following categories that best described their ancestry: Dutch, Caucasian, Asian, Indian,

Indonesian, Mediterranean, Negroid. Less than 1% of participants chose an ancestry other than Dutch or Caucasian. All Rotterdam study participants were included in the discovery cohort. Survivors have been re-examined three times: in 1993-1995, 1997-1999, and 2002-2004. All persons attending the baseline examination in 1990-93 consented to genotyping and had DNA extracted. This DNA was genotyped using the Illumina Infinium II HumanHap550chip v3.0® array in 2007-2008 according to the manufacturer's protocols. Genotyping was attempted in persons with high-quality extracted DNA (n=6449). From these 6449, samples with low call rate (<97.5%, n=209), with excess autosomal heterozygosity (> 0.336, n=21), with sex-mismatch (n=36), or if there were outliers identified by the IBS clustering analysis (>3 standard deviations from population mean, n=102 or IBS probabilities > 97%, n=129) were excluded from the study population with some persons meeting more than one exclusion criterion; in total, 5974 samples were available with good quality genotyping data. Of these, 170 persons were excluded for prevalent stroke and 41 persons for lack of adequate follow-up after genotyping. The remaining 5763 persons constitute the Rotterdam Study sample for the present analyses.
All participants have been continuously monitored for major events (including stroke) through automated linkage of the study database with files from general practitioners and the municipality. In addition physician files from nursing homes and general practitioner records of participants who moved out of the Ommoord district were reviewed twice a year. For suspected stroke and TIA events, additional information (including neuroimaging) was obtained from hospital records and research physicians discussed available information with an experienced stroke neurologist to verify all diagnoses.[19, 20] Follow-up was complete up to January 1, 2009.

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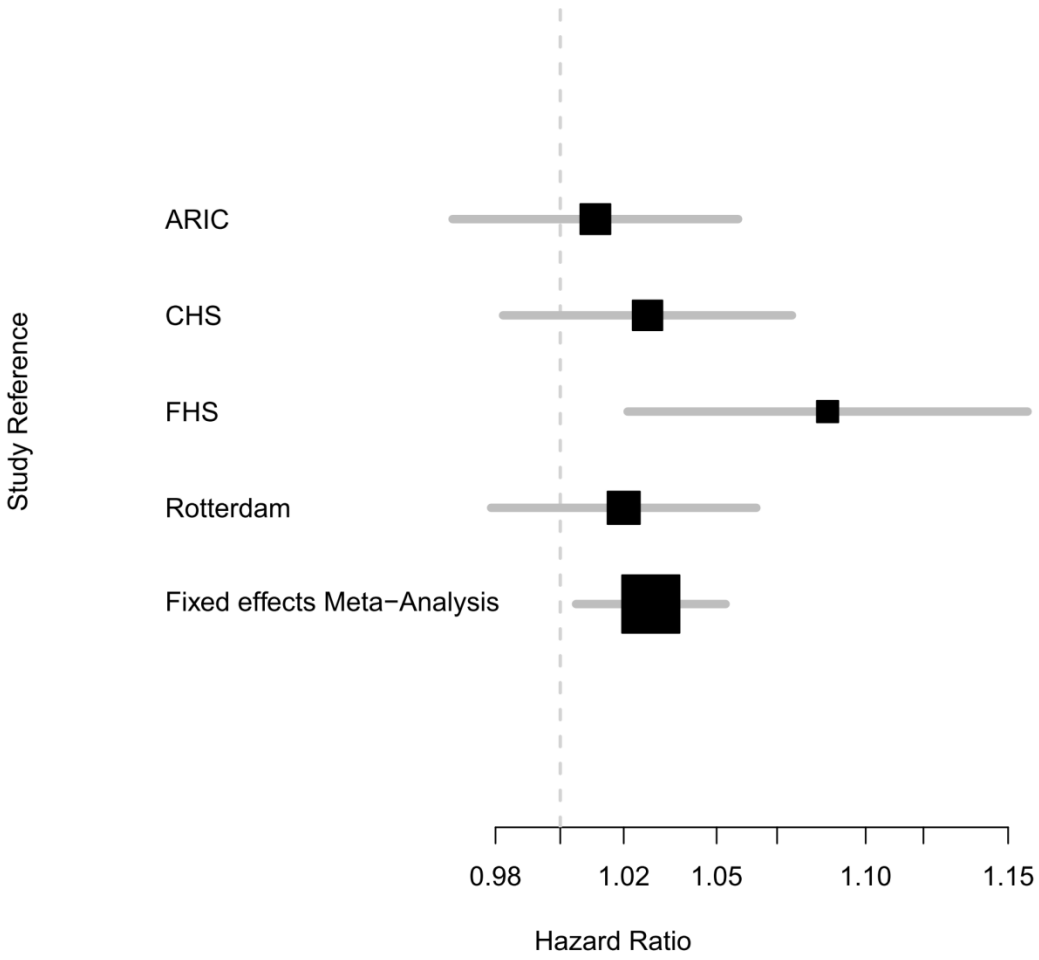
SUPPLEMENTAL FIGURES

Supplementary Figure I: **Meta-Analysis of the cGRS in population-based cohorts from CHARGE**. Hazard ratios for all four population-based replication cohorts are displayed as well as the meta-analysis hazard ratio. Between-study heterogeneity was not significant (I^2=19.9%)



SUPPLEMENTAL TABLES

Supplementary Table I. SNPs considered in the construction of the wGRS

Disease/ trait	Risk factor status	Chromosomal band	Gene	SNP/ risk allele	Weight (beta)	Discovery set	Replication set	PubMed ID	Journal
alcohol abuse	less well established	7q31.32	RPL18P4 - PTPRZ1	rs10253361-T	-0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	9q22.2	GADD45G - IL6RP1	rs10908907-G	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	4q13.3	MUC7	rs1109501-G	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	Xp22.2	CLCN4 - MID1	rs12388359-T	0,1	476 European ancestry cases, 1,358 European ancestry controls	1,024 European ancestry cases, 996 European ancestry controls	19581569	Arch Gen Psychiatry
alcohol abuse	less well established	5q15	ERAP1	rs13160562-G	0,1	476 European ancestry cases, 1,358 European ancestry controls	1,024 European ancestry cases, 996 European ancestry controls	19581569	Arch Gen Psychiatry
alcohol abuse	less well established	14q22.1	DDHD1 - RPS3AP46	rs1380131-C	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	5q32	PPP2R2B	rs1864982-A	0,1	476 European ancestry cases, 1,358 European ancestry controls	1,024 European ancestry cases, 996 European ancestry controls	19581569	Arch Gen Psychiatry
alcohol abuse	less well established	1p13.2	TSPAN2 - NGF	rs195204-T	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	6p21.31	ANKS1A	rs2140418-C	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	6p21.31	ANKS1A	rs2140418-C	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry

alcohol abuse	less well established	14q21.1	OR10V7P - YWHAQP1	rs2154294-G	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	3q22.1	NPHP3-AS1 - TMEM108	rs2369955-A	-0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	7q11.23	HIP1	rs237238-A	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	5p13.1	DAB2 - PTGER4	rs2548145-G	-0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	21q21.1	NCAM2 - MAPK6PS2	rs2827312-G	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	14q24.2	MAP3K9 - PCNX	rs36563-A	0,1	476 European ancestry cases, 1,358 European ancestry controls	1,024 European ancestry cases, 996 European ancestry controls	19581569	Arch Gen Psychiatry
alcohol abuse	less well established	3q27.1	CHRD - EPHB3	rs3930234-C	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	21q22.3	COL6A1 - COL6A2	rs4293630-A	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	2q23.3	MMADHC - TRNAE38P	rs6716455-G	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	2q23.3	MMADHC - TRNAE38P	rs6716455-G	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	6q25.1	ESR1	rs6902771-C	0,1	476 European ancestry cases, 1,358 European ancestry controls	1,024 European ancestry cases, 996 European ancestry controls	19581569	Arch Gen Psychiatry
alcohol abuse	less well established	7q11.22	AUTS2	rs6943555-A	-0,1	26,316 European ancestry individuals	21,185 European ancestry individuals	21471458	Proc Natl Acad Sci U S A
alcohol abuse	less well established	2q35	MREG - PECR	rs7590720-G	0,1	476 European ancestry cases, 1,358 European ancestry controls	1,024 European ancestry cases, 996 European ancestry controls	19581569	Arch Gen Psychiatry

alcohol abuse	less well established	18q21.2	DCC	rs768048-C	0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	15q26.1	C15orf32	rs8040009-T	-0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	15q26.2	-	rs933769-T	-0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	13q12.2	RASL11A - GTF3A	rs9512637-C	-0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	13q32.1	MBNL2	rs9556711-G	-0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
alcohol abuse	less well established	13q32.1	MBNL	rs9556711-G	-0,1	8,754 European ancestry family members	3,393 Australian individuals	21529783	Biol Psychiatry
atrial fibrillation	established	4q25	PITX2 - RPL36AP23	rs10033464-T	0,3293	550 cases,4,476 controls	3,363 cases,17,616 controls	17603472	Nature
atrial fibrillation	established	20q13.13	SULF2 - SRMP1	rs13038095-T	0,476234179	1,335 European descent cases, 12,844 European descent controls	1,164 European descent cases, 3,607 European descent controls	20173747	Nat Genet
atrial fibrillation	established	1q21.3	KCNN3	rs13376333-T	0,444686821	1,335 European descent cases, 12,844 European descent controls	1,164 European descent cases, 3,607 European descent controls	20173747	Nat Genet
atrial fibrillation	established	4q25	PITX2 - RPL36AP23	rs1448817-G	0,350656871	550 cases,4,476 controls	3,363 cases,17,616 controls	17603472	Nature
atrial fibrillation	established	4q25	PITX2 - RPL36AP23	rs16997168-T	0,223143551	550 cases,4,476 controls	3,363 cases,17,616 controls	17603472	Nature
atrial fibrillation	established	4q25	PITX2 - RPL36AP23	rs17042171-A	0,50077	3,413 cases, 37,105 referents	2,145 cases, 4,073 controls	19597492	Nat Genet
atrial fibrillation	established	1p36.22	MTHFR	rs17375901-T	0,231111	3,413 cases, 37,105 referents	2,145 cases, 4,073 controls	19597492	Nat Genet
atrial fibrillation	established	16q22.3	ZFHX3	rs2106261-T	0,22314	6,707 European ancestry cases, 52,426 European ancestry controls	5,381 European ancestry casses, 10,030 European ancestry controls	22544366	Nat Genet

atrial fibrillation	established	16q22.3	ZFHX3	rs2106261-T	0,22314	3,413 cases, 37,105 referents	2,145 cases, 4,073 controls	19597492	Nat Genet
atrial fibrillation	established	4q25	PITX2 - RPL36AP23	rs2200733-T	0,54232429	2,385 European ancestry cases, 33,752 European ancestry controls	up to 2,427 European ancestry cases, 3,379 European ancestry controls	19597491	Nat Genet
atrial fibrillation	established	4q25	PITX2 - RPL36AP23	rs2200733-T	0,54232429	1,661 cases,10,815 controls	4,576 cases,19,343 controls	18991354	Ann Neurol
atrial fibrillation	established	4q25	PITX2 - RPL36AP23	rs2200733-T	0,54232429	550 cases,4,476 controls	3,363 cases,17,616 controls	17603472	Nature
atrial fibrillation	established	4q25	PITX2 - RPL36AP23	rs2220427-T	0,350656871	550 cases,4,476 controls	3,363 cases,17,616 controls	17603472	Nature
atrial fibrillation	established	4q25	PITX2 - RPL36AP23	rs2723316-T	0,182321556	550 cases,4,476 controls	3,363 cases,17,616 controls	17603472	Nature
atrial fibrillation	established	4q25	PITX2 - RPL36AP23	rs6843082-G	0,708035793	1,335 European descent cases, 12,844 European descent controls	1,164 European descent cases, 3,607 European descent controls	20173747	Nat Genet
atrial fibrillation	established	16q22.3	ZFHX3	rs7193343-T	0,190620359	2,385 European ancestry cases, 33,752 European ancestry controls	up to 2,427 European ancestry cases, 3,379 European ancestry controls	19597491	Nat Genet
atrial fibrillation	established	4q21	ARHGAP24	rs958800-T	0,165514438	550 cases,4,476 controls	3,363 cases,17,616 controls	17603472	Nature
BMI+weight	established	14q31.1	NRXN3	rs10150332-C	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	3p13	UQCRHP4 - FOXP1	rs1024889-G	0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	4q26	TRAM1L1 - RPSAP35	rs10433903-T	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	10p15.1	KLF6 - AKR1E2	rs10458787-G	0,1	11,536 European descent family members	NR	20397748	Twin Res Hum Genet
BMI+weight	established	10p13	FAM188A - PTER	rs10508503-C	0,1	695 obese adults, 685 obese children, 731 lean adults, 685 lean children	1,171 obese adults, 896 obese children, 1,114 lean adults, 1,297 lean children, 4,417 adults, 5,291 children	19151714	Nat Genet
BMI+weight	established	11p14.1	BDNF	rs10767664-	0,1	Up to 123,865 European	Up to 125,931 European	20935630	Nat Genet

				A		ancestry individuals	ancestry individuals		
BMI+weight	established	1p21.3	EEF1A1P11 - RPL7P9	rs10783050-C	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	11p11.2	MTCH2	rs10838738-G	0,1	32,387 individuals	59,092 individuals	19079261	Nat Genet
BMI+weight	established	12p11.21	BICD1	rs10844154-C	0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	18q21.32	RPS3AP49 - MC4R	rs10871777-A	0,1	1,138 French and German extremely obese children, 1,120 French and German normal or underweight children	1,892 European ancestry obese or overweight children and adolescents, 3,763 European ancestry normal or underweight controls, 715 families with obese offspring	20421936	PLoS Genet
BMI+weight	established	1q25.2	SEC16B	rs10913469-C	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	1q25.2	SEC16B	rs10913469-C	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	4p12	GNPDA2 - GABRG1	rs10938397-G	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	4p12	GNPDA2 - GABRG1	rs10938397-G	0,1	32,387 individuals	59,092 individuals	19079261	Nat Genet
BMI+weight	established	9p21.1	LINGO2	rs10968576-G	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	9p13.3	FAM214B - UNC13B	rs10972341-G	0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	10q22.1	PALD1 - PRF1	rs10999409-T	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	19q13.11	KCTD15 - RPS4XP20	rs11084753-G	0,1	32,387 individuals	59,092 individuals	19079261	Nat Genet
BMI+weight	established	16q12.2	FTO	rs1121980-T	0,1	16,876 individuals	60,352 individuals	18454148	Nat Genet
BMI+weight	established	16q12.2	FTO	rs1121980-T	0,1	487 young cases,442 controls	2,269 individuals in 644 families	18159244	PLoS One
BMI+weight	established	3q28	LPP	rs1152846-G	-0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	3q28	LPP	rs1152846-	-0,1	Up to 3,925 European	NR	19851299	Obesity (Silver

				G		individuals			Spring)
BMI+weight	established	14q12	PRKD1 - RPS6P24	rs11847697-T	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	11p14.2	ANO3	rs12295638-C	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	16p12.3	GPRC5B - GPR139	rs12444979-C	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	5q35.3	OR2Y1 - MGAT1	rs12517906-G	-0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	5q35.3	OR2Y1 - MGAT1	rs12517906-G	-0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	3p24.3	RFTN1	rs12635698-C	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	18q21.32	RPS3AP49 - MC4R	rs12970134-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	18q21.32	RPS3AP49 - MC4R	rs12970134-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	3p12.1	CADM2	rs13078807-G	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	4q24	SLC39A8	rs13107325-T	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	16q12.2	FTO	rs1421085-C	0,1	695 obese adults, 685 obese children, 731 lean adults, 685 lean children	1,171 obese adults, 896 obese children, 1,114 lean adults, 1,297 lean children, 4,417 adults, 5,291 children	19151714	Nat Genet
BMI+weight	established	16q23.2	MAF - DYNLRB2	rs1424233-A	0,1	695 obese adults, 685 obese children, 731 lean adults, 685 lean children	1,171 obese adults, 896 obese children, 1,114 lean adults, 1,297 lean children, 4,417 adults, 5,291 children	19151714	Nat Genet
BMI+weight	established	3p24.2	RARB	rs1435703-T	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	11q14.1	TENM4 - RPS28P7	rs1458095-G	0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)

BMI+weight	established	1p31.1	TNNI3K;FPGT-TNNI3K	rs1514175-A	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	1p21.3	EEF1A1P11 - RPL7P9	rs1555543-C	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	16q12.2	FTO	rs1558902-A	0,1	31,373 European ancestry individuals	38,641 European ancestry individuals	19557197	PLoS Genet
BMI+weight	established	16q12.2	FTO	rs1558902-A	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	16q12.2	FTO	rs1558902-A	0,1	1,138 French and German extremely obese children, 1,120 French and German normal or underweight children	1,892 European ancestry obese or overweight children and adolescents, 3,763 European ancestry normal or underweight controls, 715 families with obese offspring	20421936	PLoS Genet
BMI+weight	established	18q21.32	RPS3AP49 - MC4R	rs17782313-C	0,1	695 obese adults, 685 obese children, 731 lean adults, 685 lean children	1,171 obese adults, 896 obese children, 1,114 lean adults, 1,297 lean children, 4,417 adults, 5,291 children	19151714	Nat Genet
BMI+weight	established	18q21.32	RPS3AP49 - MC4R	rs17782313-C	0,1	32,387 individuals	59,092 individuals	19079261	Nat Genet
BMI+weight	established	18q21.32	RPS3AP49 - MC4R	rs17782313-C	0,1	16,876 individuals	60,352 individuals	18454148	Nat Genet
BMI+weight	established	18q21.32	RPS3AP49 - MC4R	rs17782313-C	0,1	133,653 European ancestry individuals	50,074 European ancestry individuals	20881960	Nature
BMI+weight	established	18q11.2	NPC1	rs1805081-A	0,1	695 obese adults, 685 obese children, 731 lean adults, 685 lean children	1,171 obese adults, 896 obese children, 1,114 lean adults, 1,297 lean children, 4,417 adults, 5,291 children	19151714	Nat Genet
BMI+weight	established	10q22.1	ADAMTS14	rs1816002-G	0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	18q11.2	ZNF521 - SS18	rs1840440-G	0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	19q13.41	SIGLEC23P - SIGLEC24P	rs1878047-G	-0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	9p22.3	HMGN2P16 -	rs1927702-	0,1	Up to 3,925 European	NR	19851299	Obesity (Silver

			BNC2	G		individuals			Spring)
BMI+weight	established	1p21.3	EEF1A1P11 - RPL7P9	rs1973993-C	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	6p21.31	NUDT3;RPS10-NUDT3	rs206936-G	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	5q13.3	POC5	rs2112347-T	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	5q23.2	CEP120	rs2115172-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	15q23	MAP2K5	rs2241423-G	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	6p21.31	MLN	rs2274459-A	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	6q22.33	MESTP1 - ARHGAP18	rs2275215-T	-0,1	11,536 European descent family members	NR	20397748	Twin Res Hum Genet
BMI+weight	established	19q13.32	QPCTL	rs2287019-C	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	4q34.3	RPL19P8 - MGC45800	rs2383393-G	0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	1p31.1	NEGR1 - RPL31P12	rs2568958-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	1p31.1	NEGR1 - RPL31P12	rs2568958-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	1q41	LYPLAL1 - ZC3H11B	rs2605100-G	0,1	38,580 European ancestry individuals	Up to 102,064 European ancestry individuals	19557161	PLoS Genet
BMI+weight	established	13q12.12	C1QTNF9B - ANKRD20A19P	rs2765086-G	-0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	1p31.1	RPL31P12 - KRT8P21	rs2815752-A	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	1p31.1	RPL31P12 - KRT8P21	rs2815752-A	0,1	32,387 individuals	59,092 individuals	19079261	Nat Genet
BMI+weight	established	6p21.33	NCR3 - UQCRHP1	rs2844479-T	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	2p25.3	FAM150B - TMEM18	rs2867125-C	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	2q22.2	RPS16P3 - KYNU	rs2890652-C	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet

BMI+weight	established	19q13.11	KCTD15 - RPS4XP20	rs29941-C	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	19q13.11	KCTD15 - RPS4XP20	rs29941-C	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	19q13.11	KCTD15 - RPS4XP20	rs29941-C	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	5q23.3	FBN2	rs374748-G	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	19p13.3	AP3D1 - DOT1L	rs3803915-C	-0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	19q13.32	ZC3H4	rs3810291-A	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	11p11.2	MTCH2	rs3817334-T	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	1p36.33	AGRN - C1orf159	rs3934834-G	0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	13q12.2	MTIF3	rs4771122-G	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	5q23.2	RPL28P3 - RPSAP37	rs4836133-A	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	11p15.4	STK33	rs4929949-C	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	1q25.2	FAM5B - SEC16B	rs543874-G	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	18q21.32	RPS3AP49 - MC4R	rs571312-A	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	20p12.1	MACROD2	rs6110577-C	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	11p14.1	BDNF	rs6265-G	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	11p14.1	BDNF	rs6265-G	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	16q12.2	FTO	rs6499640-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	16q12.2	FTO	rs6499640-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	2p25.3	FAM150B -	rs6548238-	0,1	32,387 individuals	59,092 individuals	19079261	Nat Genet

			TMEM18	C					
BMI+weight	established	2p16.1	EML6	rs6726292-G	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	2p23.3	ADCY3 - DNAJC27	rs713586-C	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	12q13.12	BCDIN3D - RPL35AP28	rs7138803-A	0,1	31,373 European ancestry individuals	38,641 European ancestry individuals	19557197	PLoS Genet
BMI+weight	established	12q13.12	BCDIN3D - RPL35AP28	rs7138803-A	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	12q13.12	BCDIN3D - RPL35AP28	rs7138803-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	12q13.12	BCDIN3D - RPL35AP28	rs7138803-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	17q24.1	CEP112	rs7209395-G	0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	13q12.2	MTIF3 - LNX2	rs7336332-G	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	16p11.2	SH2B1	rs7359397-T	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	10p11.21	MTRNR2L7 - TLK2P2	rs7474896-T	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	11p14.1	BDNF-AS	rs7481311-T	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	11p14.1	BDNF-AS	rs7481311-T	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	16p11.2	SH2B1	rs7498665-G	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	16p11.2	SH2B1	rs7498665-G	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	16p11.2	SH2B1	rs7498665-G	0,1	32,387 individuals	59,092 individuals	19079261	Nat Genet
BMI+weight	established	2p25.3	FAM150B - TMEM18	rs7561317-G	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	2p25.3	FAM150B - TMEM18	rs7561317-G	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet

BMI+weight	established	2q33.3	NRP2 - INO80D	rs7603514-A	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	3q27.2	ETV5 - DGKG	rs7647305-C	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	3q27.2	ETV5 - DGKG	rs7647305-C	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	8p23.1	TNKS - MSRA	rs7826222-G	0,1	38,580 European ancestry individuals	Up to 102,064 European ancestry individuals	19557161	PLoS Genet
BMI+weight	established	10q22.2	DUPD1	rs7919006-G	-0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	16q12.2	FTO	rs8050136-A	0,1	2,272 Caucasian individuals, 933 Norwegian individuals	502 non-Hispanic whites	21037115	Am J Respir Cell Mol Biol
BMI+weight	established	16q12.2	FTO	rs8050136-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	16q12.2	FTO	rs8050136-A	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	16q12.2	FTO	rs8050136-A	0,1	29,069 European ancestry individuals, 7,557 Asian Indian ancestry individuals	39,576 European ancestry individuals	21706003	Nat Genet
BMI+weight	established	2q36.1	RPL23P5 - HSPA9P1	rs824931-G	0,1	Up to 3,925 European individuals	NR	19851299	Obesity (Silver Spring)
BMI+weight	established	2p16.1	EIF3FP3 - BCL11A	rs887912-T	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	3q25.31	LEKR1 - CCNL1	rs900400-C	-0,1	10,623 European descent individuals	27,591 European descent individuals	20372150	Nat Genet
BMI+weight	established	11p14.1	BDNF-AS	rs925946-T	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	11p14.1	BDNF-AS	rs925946-T	0,1	80,969 individuals	11,036 individuals	19079260	Nat Genet
BMI+weight	established	3q27.2	ETV5 - DGKG	rs9816226-T	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	6p12.3	TFAP2B	rs987237-G	0,1	Up to 123,865 European ancestry individuals	Up to 125,931 European ancestry individuals	20935630	Nat Genet
BMI+weight	established	6p12.3	TFAP2B	rs987237-G	0,1	38,580 European ancestry individuals	Up to 102,064 European ancestry individuals	19557161	PLoS Genet
BMI+weight	established	3q21.1	ADCY5	rs9883204-C	-0,1	10,623 European descent individuals	27,591 European descent individuals	20372150	Nat Genet

BMI+weight	established	16q12.2	FTO	rs9939609-A	0,1	32,387 individuals	59,092 individuals	19079261	Nat Genet
BMI+weight	established	16q12.2	FTO	rs9939609-A	0,1	10,657 adults	19,424 adults,10,172 children	17434869	Science
BMI+weight	established	16q12.2	FTO	rs9941349-T	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
BMI+weight	established	6p21.31	ITPR3	rs999943-T	0,1	775 European ancestry cases, 3,197 European ancestry controls	NR	19553259	Hum Mol Genet
CAD	established	2q37.1	INPP5D	rs10933436-A	0,058268908	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	7q22.3	BCAP29	rs10953541-C	0,076961041	8,424 European ancestry cases, 7,268 European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	18,049 European ancestry cases, 16,357 European ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls	21378988	Nat Genet
CAD	established	1p32.3	BSND - PCSK9	rs11206510-T	0,076961041	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	19p13.2	SMARCA4	rs1122608-G	0,131028262	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	7q32.2	ZC3HC1	rs11556924-C	0,08618	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	6q23.2	TCF21	rs12190287-C	0,07696	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	17p13.3	SMG6	rs1231206-A	0,067658648	22,233 European ancestry cases, 64,762	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet

						European ancestry controls			
CAD	established	10q24.32	CNNM2	rs12413409-G	0,113328	8,424 European ancestry cases, 7,268 European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	18,049 European ancestry cases, 16,357 European ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls	21378988	Nat Genet
CAD	established	10q24.32	CNNM2	rs12413409-G	0,113328	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	6p24.1	PHACTR1	rs12526453-C	0,095310179	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	17p11.2	PEMT - RAI1	rs12936587-G	0,0676586	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	6p24.1	PHACTR1	rs1332844-T	0,204360015	8,424 European ancestry cases, 7,268 European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	18,049 European ancestry cases, 16,357 European ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls	21378988	Nat Genet
CAD	established	9p21.3	UBA52P6 - DMRTA1	rs1333049-C	0,3852624	2,078 European descent cases, 2,953 European descent controls	19,350 European descent cases, 35,408 European descent controls	21606135	Circ Cardiovasc Genet
CAD	established	9p21.3	UBA52P6 - DMRTA1	rs1333049-C	0,3852624	1,926 cases,2,938 controls	875 cases,1,644 controls	17634449	N Engl J Med
CAD	established	9p21.3	UBA52P6 - DMRTA1	rs1333049-C	0,3852624	1,926 cases,2,938 controls	(see Samani 2007)	17554300	Nature
CAD	established	10q23.31	LIPA	rs1412444-T	0,095310179	2,078 European descent cases, 2,953 European descent controls	19,350 European descent cases, 35,408 European descent controls	21606135	Circ Cardiovasc Genet
CAD	established	10q23.31	LIPA	rs1412444-T	0,095310179	8,424 European ancestry cases, 7,268	18,049 European ancestry cases, 16,357 European	21378988	Nat Genet

						European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls		
CAD	established	6q14.1	FAM46A - IBTK	rs16893526-G	0,122217632	2,078 European descent cases, 2,953 European descent controls	19,350 European descent cases, 35,408 European descent controls	21606135	Circ Cardiovasc Genet
CAD	established	1p32.2	PPAP2B	rs17114036-A	0,157	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	15q22.33	SMAD3	rs17228212-C	0,190620359	1,926 cases,2,938 controls	875 cases,1,644 controls	17634449	N Engl J Med
CAD	established	10q11.21	HNRNPA3P1 - CXCL12	rs1746048-C	0,086177696	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	1q41	MIA3	rs17465637-C	0,182321556	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	1q41	MIA3	rs17465637-C	0,182321556	1,926 cases,2,938 controls	875 cases,1,644 controls	17634449	N Engl J Med
CAD	established	6p21.31	ANKS1A	rs17609940-G	0,06765	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	1q43	FMN2	rs17672135-T	0,357674444	1,926 cases,2,938 controls	(see Samani 2007)	17554300	Nature
CAD	established	17p13.3	SMG6	rs216172-C	0,0676586	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	12q24.31	HNF1A	rs2259816-T	0,076961041	6,990 cases, 8,955 controls	12,417 cases, 12,411 controls	19198612	Nat Genet
CAD	established	3q22.3	MRAS	rs2306374-C	0,113328685	22,233 European ancestry cases, 64,762 European ancestry	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet

						controls			
CAD	established	10p11.23	KIAA1462	rs2505083-C	0,067658648	8,424 European ancestry cases, 7,268 European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	18,049 European ancestry cases, 16,357 European ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls	21378988	Nat Genet
CAD	established	14q32.2	HHIPL1	rs2895811-C	0,0676586	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	2q36.3	NYAP2 - IRS1	rs2943634-C	0,190620359	1,926 cases,2,938 controls	875 cases,1,644 controls	17634449	N Engl J Med
CAD	established	12q24.12	SH2B3	rs3184504-T	0,067658648	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	6q25.3	FNDC1	rs365302-C	0,104360015	2,078 European descent cases, 2,953 European descent controls	19,350 European descent cases, 35,408 European descent controls	21606135	Circ Cardiovasc Genet
CAD	established	10p11.23	KIAA1462	rs3739998-C	0,139761942	1,157 European cases, 1,748 European controls	7,887 European cases, 8,244 European controls	21088011	Eur Heart J
CAD	established	6q25.3	LPA	rs3798220-C	0,41210965	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	15q25.1	ADAMTS7	rs3825807-A	0,076961041	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	15q25.1	ADAMTS7 - RPL21P116	rs4380028-C	0,067658648	8,424 European ancestry cases, 7,268 European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	18,049 European ancestry cases, 16,357 European ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls	21378988	Nat Genet
CAD	established	17q21.32	UBE2Z	rs46522-T	0,058268	22,233 European ancestry cases, 64,762	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet

						European ancestry controls			
CAD	established	13q34	COL4A1;COL4A2	rs4773144-G	0,0676586	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	11q24.2	ST3GAL4	rs4937126-G	0,058268908	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	9p21.3	CDKN2B-AS1	rs4977574-G	0,254642218	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	9p21.3	CDKN2B-AS1	rs4977574-G	0,254642218	8,424 European ancestry cases, 7,268 European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	18,049 European ancestry cases, 16,357 European ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls	21378988	Nat Genet
CAD	established	10q11.21	HNRNPA3P1 - CXCL12	rs501120-T	0,285178942	1,926 cases,2,938 controls	875 cases,1,644 controls	17634449	N Engl J Med
CAD	established	9q34.2	ABO - LCN1P2	rs579459-C	0,09531	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	1p13.3	PSRC1	rs599839-A	0,254642218	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	1p13.3	PSRC1	rs599839-A	0,254642218	1,926 cases,2,938 controls	875 cases,1,644 controls	17634449	N Engl J Med
CAD	established	1p13.3	CELSR2	rs646776-T	0,131028262	8,424 European ancestry cases, 7,268 European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	18,049 European ancestry cases, 16,357 European ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls	21378988	Nat Genet

CAD	established	2q33.2	WDR12	rs6725887-C	0,131028262	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	22q12.1	SEZ6L	rs688034-T	0,104360015	1,926 cases,2,938 controls	(see Samani 2007)	17554300	Nature
CAD	established	6q25.1	MTHFD1L	rs6922269-A	0,207014169	1,926 cases,2,938 controls	875 cases,1,644 controls	17634449	N Engl J Med
CAD	established	3p25.1	BTD	rs7651039-C	0,058268908	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	7q31.2	ASZ1	rs7808424-G	0,095310179	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	9p21.3	CDKN2B-AS1	rs7865618-A	0,165514438	2,078 European descent cases, 2,953 European descent controls	19,350 European descent cases, 35,408 European descent controls	21606135	Circ Cardiovasc Genet
CAD	established	16q23.3	CDH13	rs8055236-G	0,647103242	1,926 cases,2,938 controls	(see Samani 2007)	17554300	Nature
CAD	established	11q23.3	ZNF259	rs964184-G	0,1222176	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
CAD	established	11q22.3	DYNC2H1 - PDGFD	rs974819-T	0,067658648	8,424 European ancestry cases, 7,268 European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	18,049 European ancestry cases, 16,357 European ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls	21378988	Nat Genet
CAD	established	3q22.3	MRAS	rs9818870-T	0,139761942	6,990 cases, 8,955 controls	12,417 cases, 12,411 controls	19198612	Nat Genet
CAD	established	21q22.11	LINC00310 - KCNE2	rs9982601-T	0,165514438	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
DBP	established	12p24.21	TBX3 - UBA52P7	rs10850411-	0,2527	69,395 European	Up to 133,361 European	19430479	Nature

				T		ancestry individuals	ancestry individuals		
DBP	established	10p12.31	CACNB2	rs11014166-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	10p12.31	CACNB2	rs11014166-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	10p12.31	CACNB2	rs11014166-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	11p15.1	PLEKHA7	rs11024074-T	-0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	10q24.32	NT5C2	rs11191548-T	0,4638	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	10q24.32	NT5C2	rs11191548-T	0,4638	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	10q24.32	NT5C2	rs11191548-T	0,4638	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
DBP	established	5p13.3	-	rs1173771-G	0,2608	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	5p13.3	-	rs1173771-G	0,2608	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	5p13.3	-	rs1173771-G	0,2608	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	5p13.3	-	rs1173771-G	0,2608	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	5p13.3	-	rs1173771-G	0,2608	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	5q33.3	RPLP2P2 - EBF1	rs11953630-T	-0,2811	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	5q33.3	RPLP2P2 - EBF1	rs11953630-T	-0,2811	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	5q33.3	RPLP2P2 - EBF1	rs11953630-T	-0,2811	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	17q21.33	ZNF652	rs12940887-T	0,2705	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	3p24.1	UBA52P4 - RPS27P11	rs13082711-T	-0,2377	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	3p24.1	UBA52P4 - RPS27P11	rs13082711-T	-0,2377	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature

DBP	established	3p24.1	UBA52P4 - RPS27P11	rs13082711-T	-0,2377	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	4q24	SLC39A8	rs13107325-T	-0,6842	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	4q24	SLC39A8	rs13107325-T	-0,6842	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	4q24	SLC39A8	rs13107325-T	-0,6842	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	4q24	SLC39A8	rs13107325-T	-0,6842	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	4q32.1	GUCY1A3	rs13139571-C	0,2601	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	4q32.1	GUCY1A3	rs13139571-C	0,2601	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	4q32.1	GUCY1A3	rs13139571-C	0,2601	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	20p12.2	FAT1P1 - RPS11P1	rs1327235-G	0,3016	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	20p12.2	FAT1P1 - RPS11P1	rs1327235-G	0,3016	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	20p12.2	FAT1P1 - RPS11P1	rs1327235-G	0,3016	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	15q24.1	CSK	rs1378942-C	0,1	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	15q24.1	CSK	rs1378942-C	0,1	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	15q24.1	CSK	rs1378942-C	0,1	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
DBP	established	15q24.1	CSK	rs1378942-C	0,1	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	4q21.21	PRDM8 - FGF5	rs1458038-T	0,4567	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	4q21.21	PRDM8 - FGF5	rs1458038-T	0,4567	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	4q21.21	PRDM8 - FGF5	rs1458038-T	0,4567	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	10q21.2	C10orf107	rs1530440-	-0,1	34,433 individuals	Up to 100,347 white	19430483	Nat Genet

				T			individuals, up to 12,889 Indian Asian individuals		
DBP	established	17q21.33	ZNF652	rs16948048-G	0,1	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
DBP	established	4q21.21	PRDM8 - FGF5	rs16998073-T	0,1	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
DBP	established	12q21.33	ATP2B1 - MRPL2P1	rs17249754-G	0,5217	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	12q21.33	ATP2B1 - MRPL2P1	rs17249754-G	0,5217	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	1p36.22	MTHFR	rs17367504-G	-0,5466	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	1p36.22	MTHFR	rs17367504-G	-0,5466	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
DBP	established	6p22.2	HFE	rs1799945-G	0,4573	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	6p22.2	HFE	rs1799945-G	0,4573	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	6p22.2	HFE	rs1799945-G	0,4573	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	10p12.31	CACNB2	rs1813353-T	0,4148	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	3q26.2	MECOM	rs1918974-T	-0,1	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
DBP	established	12q24.21	TBX3 - UBA52P7	rs2384550-A	-0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	12q24.21	TBX3 - UBA52P7	rs2384550-A	-0,1	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	15q26.1	FES	rs2521501-T	0,3585	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	15q26.1	FES	rs2521501-T	0,3585	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	15q26.1	FES	rs2521501-T	0,3585	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature

DBP	established	15q26.1	FES	rs2521501-T	0,3585	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	12q21.33	ATP2B1	rs2681472-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	12q21.33	ATP2B1	rs2681472-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	1p13.2	MOV10	rs2932538-G	0,2397	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	1p13.2	MOV10	rs2932538-G	0,2397	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	1p13.2	MOV10	rs2932538-G	0,2397	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	1p13.2	MOV10	rs2932538-G	0,2397	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	12q24.12	SH2B3	rs3184504-T	0,1	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	12q24.12	SH2B3	rs3184504-T	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	12q24.12	SH2B3	rs3184504-T	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	3p22.1	ULK4	rs3774372-T	-0,3666	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	11p15.1	PLEKHA7	rs381815-T	0,3485	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	11p15.1	PLEKHA7	rs381815-T	0,3485	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	11p15.1	PLEKHA7	rs381815-T	0,3485	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	3q26.2	MECOM	rs419076-T	0,2414	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	3q26.2	MECOM	rs419076-T	0,2414	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	3q26.2	MECOM	rs419076-T	0,2414	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	10p12.33	SLC39A12 - CACNB2	rs4373814-G	-0,2184	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	10p12.33	SLC39A12 - CACNB2	rs4373814-G	-0,2184	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature

DBP	established	10p12.33	SLC39A12 - CACNB2	rs4373814-G	-0,2184	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	10q21.2	C10orf107	rs4590817-G	0,4192	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	20q13.32	MRPS16P - ZNF831	rs6015450-G	0,5568	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	20q13.32	MRPS16P - ZNF831	rs6015450-G	0,5568	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	20q13.32	MRPS16P - ZNF831	rs6015450-G	0,5568	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	20q13.32	MRPS16P - ZNF831	rs6015450-G	0,5568	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	20q13.32	MRPS16P - ZNF831	rs6015450-G	0,5568	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	11q22.1	ARHGAP42	rs633185-G	-0,3276	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	11q22.1	ARHGAP42	rs633185-G	-0,3276	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	11q22.1	ARHGAP42	rs633185-G	-0,3276	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	11q22.1	ARHGAP42	rs633185-G	-0,3276	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	15q24.1	CPLX3 - ULK3	rs6495122-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
DBP	established	12q24.12	ATXN2	rs653178-T	-0,1	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
DBP	established	12q24.12	ATXN2	rs653178-T	-0,1	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
DBP	established	6p21.33	BAG6	rs805303-G	0,2282	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	6p21.33	BAG6	rs805303-G	0,2282	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	6p21.33	BAG6	rs805303-G	0,2282	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
DBP	established	3p22.1	ULK4	rs9815354-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
HDL	established	15q21.3	RPL28P4 - LIPC	rs10468017-	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet

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HDL	established	1q42.13	GALNT2	rs10489615-G	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	8p21.3	LPL - RPL30P9	rs10503669-T	0,1	8,656 individuals	11,399 individuals	18193043	Nat Genet
HDL	established	11q23.3	BUD13	rs10790162-A	0,1	22,161 European ancestry individuals	NR	21386085	Diabetes
HDL	established	2p24.1	C2orf43 - APOB	rs11902417-G	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	16q22.1	GFOD2	rs12449157-G	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	8p21.3	LPL - RPL30P9	rs12678919-G	0,1	99,900 European descent individuals		20686565	Nature
HDL	established	8p21.3	LPL - RPL30P9	rs12678919-G	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	8p21.3	LPL	rs13702-A	0,1	22,161 European ancestry individuals	NR	21386085	Diabetes
HDL	established	15q21.3	RPL28P4 - LIPC	rs1532085-G	-0,1	Up to 100,184 European descent individuals		20686565	Nature
HDL	established	15q21.3	RPL28P4 - LIPC	rs1532085-G	-0,1	99,900 European descent individuals		20686565	Nature
HDL	established	15q21.3	RPL28P4 - LIPC	rs1532085-G	-0,1	4,763 individuals	NR	19060910	Nat Genet
HDL	established	15q21.3	RPL28P4 - LIPC	rs1532085-G	-0,1	22,562 individuals	NR	19060911	Nat Genet
HDL	established	15q21.3	RPL28P4 - LIPC	rs1532085-G	-0,1	21,412 individuals	NR	19060911	Nat Genet
HDL	established	16q13	CETP	rs1532624-C	-0,1	656 Swedish individuals	Up to 3,996 European individuals	20066028	PLoS Genet
HDL	established	16q13	CETP	rs1532624-C	-0,1	21,412 individuals	NR	19060911	Nat Genet
HDL	established	19q13.32	TOMM40	rs157580-G	0,1	21,412 individuals	NR	19060911	Nat Genet

HDL	established	16q13	HERPUD1 - CETP	rs173539-T	0,1	22,161 European ancestry individuals	NR	21386085	Diabetes
HDL	established	16q13	HERPUD1 - CETP	rs173539-T	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	11q12.2	FADS1	rs174547-C	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	11q12.2	FADS1	rs174548-G	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	11q12.2	FADS2	rs174570-G	0,1	22,562 individuals	NR	19060911	Nat Genet
HDL	established	11q12.2	FADS2	rs174570-G	0,1	21,412 individuals	NR	19060911	Nat Genet
HDL	established	8p21.3	LPL - RPL30P9	rs17482753-T	0,1	Up to 4,274 European ancestry individuals	Up to 15,873 European ancestry individuals	20031538	Circ Cardiovasc Genet
HDL	established	15q21.3	LIPC	rs1800588-T	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
HDL	established	16q13	CETP	rs1800775-C	-0,1	18,425 European ancestry females	NR	20031564	Circ Cardiovasc Genet
HDL	established	16q13	CETP	rs1800775-C	-0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
HDL	established	20q13.12	HNF4A	rs1800961-T	-0,1	Up to 100,184 European descent individuals		20686565	Nature
HDL	established	20q13.12	HNF4A	rs1800961-T	-0,1	99,900 European descent individuals		20686565	Nature
HDL	established	20q13.12	HNF4A	rs1800961-T	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	16q13	CETP	rs1864163-G	0,1	8,656 individuals	11,399 individuals	18193043	Nat Genet
HDL	established	9q31.1	ABCA1	rs1883025-T	-0,1	Up to 100,184 European descent individuals		20686565	Nature
HDL	established	9q31.1	ABCA1	rs1883025-T	-0,1	99,900 European descent individuals		20686565	Nature
HDL	established	9q31.1	ABCA1	rs1883025-T	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	11q23.3	ZNF259	rs2075290-C	0,1	22,161 European ancestry individuals	NR	21386085	Diabetes
HDL	established	8p21.3	LPL - RPL30P9	rs2083637-G	0,1	21,412 individuals	NR	19060911	Nat Genet

HDL	established	1q42.13	GALNT2	rs2144300-T	0,1	8,656 individuals	11,399 individuals	18193043	Nat Genet
HDL	established	18q21.1	LIPG - ACAA2	rs2156552-T	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
HDL	established	18q21.1	LIPG - ACAA2	rs2156552-T	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	18q21.1	LIPG - ACAA2	rs2156552-T	0,1	8,656 individuals	11,399 individuals	18193043	Nat Genet
HDL	established	11q23.3	ZNF259;APOA5	rs2266788-C	0,1	22,161 European ancestry individuals	NR	21386085	Diabetes
HDL	established	16q22.1	NUTF2	rs2271293-G	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	16q22.1	NUTF2	rs2271293-G	-0,1	21,412 individuals	NR	19060911	Nat Genet
HDL	established	12q24.11	KCTD10	rs2338104-G	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	12q24.11	KCTD10	rs2338104-G	0,1	8,656 individuals	11,399 individuals	18193043	Nat Genet
HDL	established	16q22.1	DPEP3	rs255049-G	0,1	4,763 individuals	NR	19060910	Nat Genet
HDL	established	16q22.1	DPEP2	rs255052-A	-0,1	8,656 individuals	11,399 individuals	18193043	Nat Genet
HDL	established	15q21.3	LIPC	rs261334-G	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	8q24.13	TRIB1 - FAM84B	rs2954026-G	-0,1	22,161 European ancestry individuals	NR	21386085	Diabetes
HDL	established	19p13.2	RAB11B	rs2967605-T	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	8p21.3	LPL	rs325-T	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	8p21.3	LPL	rs328-G	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
HDL	established	16q13	HERPUD1 - CETP	rs3764261-A	0,1	Up to 100,184 European descent individuals		20686565	Nature

HDL	established	16q13	HERPUD1 - CETP	rs3764261-A	0,1	99,900 European descent individuals		20686565	Nature
HDL	established	16q13	HERPUD1 - CETP	rs3764261-A	0,1	4,763 individuals	NR	19060910	Nat Genet
HDL	established	16q13	HERPUD1 - CETP	rs3764261-A	0,1	8,656 individuals	11,399 individuals	18193043	Nat Genet
HDL	established	9q31.1	ABCA1	rs3890182-G	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
HDL	established	9q31.1	ABCA1	rs3890182-G	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	9q31.1	ABCA1	rs3905000-G	0,1	21,412 individuals	NR	19060911	Nat Genet
HDL	established	9q31.1	ABCA1	rs4149268-C	0,1	8,656 individuals	11,399 individuals	18193043	Nat Genet
HDL	established	19q13.32	APOE - APOC1	rs439401-C	0,1	22,161 European ancestry individuals	NR	21386085	Diabetes
HDL	established	9p22.3	TTC39B	rs471364-C	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	15q21.3	RPL28P4 - LIPC	rs4775041-C	0,1	8,656 individuals	11,399 individuals	18193043	Nat Genet
HDL	established	1q42.13	GALNT2	rs4846914-G	-0,1	99,900 European descent individuals		20686565	Nature
HDL	established	1q42.13	GALNT2	rs4846914-G	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	1q42.13	GALNT2	rs4846914-G	-0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
HDL	established	18q21.1	LIPG - ACAA2	rs4939883-T	-0,1	22,562 individuals	NR	19060911	Nat Genet
HDL	established	18q21.1	LIPG - ACAA2	rs4939883-T	-0,1	21,412 individuals	NR	19060911	Nat Genet
HDL	established	18q21.1	LIPG - ACAA2	rs4939883-T	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	9p22.3	TTC39B	rs643531-C	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	2p24.1	C2orf43 - APOB	rs6754295-	0,1	21,412 individuals	NR	19060911	Nat Genet

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HDL	established	11p11.2	NR1H3	rs7120118-G	0,1	4,763 individuals	NR	19060910	Nat Genet
HDL	established	18q21.1	LIPG - ACAA2	rs7240405-A	-0,1	Up to 4,274 European ancestry individuals	Up to 15,873 European ancestry individuals	20031538	Circ Cardiovasc Genet
HDL	established	11p11.2	OR4A46P	rs7395662-G	-0,1	21,412 individuals	NR	19060911	Nat Genet
HDL	established	20q13.12	PCIF1	rs7679-C	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	11q23.3	ZNF259	rs964184-G	-0,1	Up to 100,184 European descent individuals		20686565	Nature
HDL	established	11q23.3	ZNF259	rs964184-G	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	11q23.3	ZNF259	rs964184-G	-0,1	99,900 European descent individuals		20686565	Nature
HDL	established	11q23.3	ZNF259	rs964184-G	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
HDL	established	17p13.3	METTL16 - EIF4A1P9	rs9891572-A	0,1	4,763 individuals	NR	19060910	Nat Genet
HDL	established	12q24.11	MYO1H	rs9943753-G	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	8p23.1	PPP1R3B - TNKS	rs9987289-A	0,1	99,900 European descent individuals		20686565	Nature
HDL	established	8p23.1	PPP1R3B - TNKS	rs9987289-A	0,1	22,161 European ancestry individuals	NR	21386085	Diabetes
HDL	established	8p23.1	PPP1R3B - TNKS	rs9987289-A	0,1	Up to 100,184 European descent individuals		20686565	Nature
HDL	established	16q13	HERPUD1 - CETP	rs9989419-G	0,1	Up to 4,274 European ancestry individuals	Up to 15,873 European ancestry individuals	20031538	Circ Cardiovasc Genet
HDL	established	16q13	HERPUD1 - CETP	rs9989419-G	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
HDL	established	16q13	HERPUD1 - CETP	rs9989419-G	0,1	8,656 individuals	11,399 individuals	18193043	Nat Genet

homocystein	less well established	11q14.3	NOX4	rs10501705-C	-0,05	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	11q14.3	NOX4	rs11018628-G	-0,05	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	16q24.3	DPEP1	rs1126464-G	-0,031	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	C1orf167	rs12564559-G	-0,034	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	MTHFR	rs17367504-G	-0,035	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	MTHFR	rs1801133-A	0,048	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	NPPA	rs198358-G	-0,034	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	CLCN6	rs198414-A	-0,031	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	RNU5E	rs1999594-A	-0,025	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	15q25.3	AKAP13	rs2061821-A	0,019	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	CLCN6	rs2076003-G	-0,062	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	MTHFR	rs2274976-A	-0,062	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	16q24.3	C16orf55	rs2377058-G	-0,019	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	6p12.3	MUT	rs2501976-A	0,021	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	KIAA2013	rs2639453-A	0,032	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	11q14.3	NOX4	rs317148-G	-0,019	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	11q14.3	NOX4	rs317150-A	-0,041	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	11q14.3	NOX4	rs317191-A	-0,048	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	11q14.3	NOX4	rs319016-A	0,019	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet

homocystein	less well established	1p36.22	MTHFR	rs3737967-A	-0,063	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	6p12.3	CENPQ	rs4267943-A	0,024	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	16q24.3	C16orf55	rs459920-G	0,024	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	16q24.3	CHMP1A	rs460879-A	0,026	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	NPPA	rs5063-A	-0,055	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	NPPA	rs5065-G	-0,028	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	6p12.3	MUT	rs6458690-G	0,021	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	21q22.3	CBS	rs6586282-A	-0,03	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	KIAA2013	rs6682554-A	0,024	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	2q34	CPS1	rs7422339-A	0,027	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	CLCN6	rs7537765-G	-0,035	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	1p36.22	MFN2	rs7550536-A	0,021	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	11q14.3	NOX4	rs7929532-G	-0,048	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	11q14.3	NOX4	rs9299894-A	-0,05	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
homocystein	less well established	6p12.3	MUT	rs9473558-A	0,02	13,974 European ancestry females	840 European ancestry females	20031578	Circ Cardiovasc Genet
HTN	established	10p12.31	CACNB2	rs11014166-A	0,09	29,136 individuals	34,433 individuals	19430479	Nat Genet
HTN	established	10p12.31	CACNB2	rs11014166-A	0,09	29,136 individuals	34,433 individuals	19430479	Nat Genet
HTN	established	10p12.31	CACNB2	rs11014166-A	0,09	29,136 individuals	34,433 individuals	19430479	Nat Genet
HTN	established	16q23.3	MPHOSPH6 - CDH13	rs11646213-T	0,24686	364 cases, 590 controls	1,043 cases, 1,769 controls	19304780	Hum Mol Genet

HTN	established	5p13.3	-	rs1173771-G	0,062	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	5p13.3	-	rs1173771-G	0,062	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	5p13.3	-	rs1173771-G	0,062	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	5p13.3	-	rs1173771-G	0,062	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
HTN	established	5p13.3	-	rs1173771-G	0,062	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
HTN	established	8p23.1	MSRA	rs11775334-A	0,08	29,136 individuals	34,433 individuals	19430479	Nat Genet
HTN	established	16p12.3	UMOD	rs13333226-A	0,13976	1,621 Swedish cases, 1,699 Swedish controls	19,845 European ancestry cases, 16,541 European ancestry controls	21082022	PLoS Genet
HTN	established	15q24.1	CSK	rs1378942-C	0,0726	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	15q24.1	CSK	rs1378942-C	0,0726	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	15q24.1	CSK	rs1378942-C	0,0726	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
HTN	established	15q24.1	CSK	rs1378942-C	0,0726	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
HTN	established	20q13.32	MRPS16P - ZNF831	rs16982520-A	0,13	29,136 individuals	34,433 individuals	19430479	Nat Genet
HTN	established	12q21.33	ATP2B1 - MRPL2P1	rs17249754-G	0,1261	8,842 Korean ancestry individuals	7,861 Korean ancestry individuals	19396169	Nat Genet
HTN	established	12q21.33	ATP2B1 - MRPL2P1	rs17249754-G	0,1261	8,842 Korean ancestry individuals	7,861 Korean ancestry individuals	19396169	Nat Genet
HTN	established	12q21.33	ATP2B1 - MRPL2P1	rs17249754-G	0,1261	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
HTN	established	12q21.33	ATP2B1 - MRPL2P1	rs17249754-G	0,1261	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
HTN	established	12q21.33	ATP2B1 - MRPL2P1	rs17249754-G	0,1261	17,089 East Asian ancestry individuals, 2,519 Malay ancestry individuals	30,765 East Asian ancestry individuals	21572416	Nat Genet

HTN	established	12q21.33	ATP2B1 - MRPL2P1	rs17249754-G	0,1261	17,089 East Asian ancestry individuals, 2,519 Malay ancestry individuals	30,765 East Asian ancestry individuals	21572416	Nat Genet
HTN	established	1p36.22	MTHFR	rs17367504-G	-0,1031	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
HTN	established	1p36.22	MTHFR	rs17367504-G	-0,1031	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
HTN	established	6p22.2	HFE	rs1799945-G	0,0947	Up to 5,633 Caucasian individuals	Up to 3,457 Caucasian individuals	21208937	Hum Mol Genet
HTN	established	6p22.2	HFE	rs1799945-G	0,0947	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	6p22.2	HFE	rs1799945-G	0,0947	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	6p22.2	HFE	rs1799945-G	0,0947	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	15q26.2	-	rs2398162-A	0,27003	1,952 cases,2,938 controls	NR	17554300	Nature
HTN	established	12q21.33	ATP2B1	rs2681472-A	0,15	29,136 individuals	34,433 individuals	19430479	Nat Genet
HTN	established	12q21.33	ATP2B1	rs2681472-A	0,15	29,136 individuals	34,433 individuals	19430479	Nat Genet
HTN	established	1q43	RPL39P10 - CHRM3	rs2820037-T	0,43178	1,952 cases,2,938 controls	NR	17554300	Nature
HTN	established	10q21.2	C10orf107	rs4590817-G	0,0961	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
HTN	established	20q13.32	MRPS16P - ZNF831	rs6015450-G	0,1104	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	20q13.32	MRPS16P - ZNF831	rs6015450-G	0,1104	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	20q13.32	MRPS16P - ZNF831	rs6015450-G	0,1104	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	20q13.32	MRPS16P - ZNF831	rs6015450-G	0,1104	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
HTN	established	20q13.32	MRPS16P - ZNF831	rs6015450-G	0,1104	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
HTN	established	11q22.1	ARHGAP42	rs633185-G	-0,0702	69,395 European	Up to 133,361 European	21909115	Nature

						ancestry individuals	ancestry individuals		
HTN	established	11q22.1	ARHGAP42	rs633185-G	-0,0702	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	11q22.1	ARHGAP42	rs633185-G	-0,0702	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	11q22.1	ARHGAP42	rs633185-G	-0,0702	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
HTN	established	6p21.33	BAG6	rs805303-G	0,0537	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	6p21.33	BAG6	rs805303-G	0,0537	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	6p21.33	BAG6	rs805303-G	0,0537	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	10q23.33	PLCE1	rs932764-G	0,0551	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	10q23.33	PLCE1	rs932764-G	0,0551	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
HTN	established	10q23.33	PLCE1	rs932764-G	0,0551	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
LDL	established	19p13.11	SUGP1	rs10401969-T	0,1	Up to 100,184 European descent individuals		20686565	Nature
LDL	established	19p13.11	SUGP1	rs10401969-T	0,1	Up to 95,454 European descent individuals		20686565	Nature
LDL	established	19p13.11	SUGP1	rs10401969-T	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	19p13.11	SUGP1	rs10401969-T	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
LDL	established	1p31.3	DOCK7	rs10889353-C	-0,1	22,562 individuals	NR	19060911	Nat Genet
LDL	established	1p31.3	DOCK7	rs10889353-C	-0,1	17,797 individuals	NR	19060911	Nat Genet
LDL	established	1p32.3	BSND - PCSK9	rs11206510-T	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	1p32.3	BSND - PCSK9	rs11206510-T	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665	20864672	Arterioscler Thromb Vasc Biol

							Indian Asian individuals		
LDL	established	1p32.3	BSND - PCSK9	rs11206510-T	0,1	8,589 individuals	7,440-10,783 individuals	18193043	Nat Genet
LDL	established	1p32.3	PCSK9	rs11591147-T	-0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
LDL	established	19p13.2	SMARCA4 - LDLR	rs11668477-G	-0,1	4,763 individuals	NR	19060910	Nat Genet
LDL	established	11q23.3	RPL15P15 - BUD13	rs12272004-C	-0,1	22,562 individuals	NR	19060911	Nat Genet
LDL	established	11q23.3	RPL15P15 - BUD13	rs12272004-C	-0,1	17,797 individuals	NR	19060911	Nat Genet
LDL	established	5q13.3	HMGCR	rs12654264-T	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
LDL	established	7p15.3	DNAH11	rs12670798-G	0,1	Up to 95,454 European descent individuals		20686565	Nature
LDL	established	7p15.3	DNAH11	rs12670798-G	0,1	22,562 individuals	NR	19060911	Nat Genet
LDL	established	7p15.3	DNAH11	rs12670798-G	0,1	17,797 individuals	NR	19060911	Nat Genet
LDL	established	7p15.3	DNAH11	rs12670798-G	0,1	Up to 100,184 European descent individuals		20686565	Nature
LDL	established	1p13.3	CELSR2	rs12740374-T	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	5q13.3	HMGCR	rs12916-T	-0,1	Up to 100,184 European descent individuals		20686565	Nature
LDL	established	5q13.3	HMGCR	rs12916-T	-0,1	Up to 95,454 European descent individuals		20686565	Nature
LDL	established	5q13.3	HMGCR	rs12916-T	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
LDL	established	5q33.3	TIMD4 - HAVCR1	rs1501908-G	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	11q23.3	RPL15P15 - BUD13	rs1558861-T	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
LDL	established	19q13.32	TOMM40	rs157580-G	-0,1	17,797 individuals	NR	19060911	Nat Genet

LDL	established	19q13.32	TOMM40	rs157580-G	-0,1	4,763 individuals	NR	19060910	Nat Genet
LDL	established	19p13.11	CILP2 - PBX4	rs16996148-T	-0,1	8,589 individuals	7,440-10,783 individuals	18193043	Nat Genet
LDL	established	19p13.11	CILP2 - PBX4	rs16996148-T	-0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
LDL	established	11q12.2	FADS1	rs174546-A	-0,1	4,763 individuals	NR	19060910	Nat Genet
LDL	established	11q12.2	FADS1	rs174546-A	-0,1	Up to 100,184 European descent individuals		20686565	Nature
LDL	established	11q12.2	FADS1	rs174546-A	-0,1	Up to 95,454 European descent individuals		20686565	Nature
LDL	established	11q12.2	FADS2	rs174570-G	0,1	22,562 individuals	NR	19060911	Nat Genet
LDL	established	11q12.2	FADS2	rs174570-G	0,1	17,797 individuals	NR	19060911	Nat Genet
LDL	established	8p23.1	PPP1R3B - TNKS	rs2126259-A	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
LDL	established	6p22.3	MRPL42P2 - GMPR	rs2142672-C	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
LDL	established	19p13.2	LDLR	rs2228671-G	0,1	22,562 individuals	NR	19060911	Nat Genet
LDL	established	19p13.2	LDLR	rs2228671-G	0,1	17,797 individuals	NR	19060911	Nat Genet
LDL	established	6p21.32	COL11A2;RXRB	rs2254287-G	0,1	8,589 individuals	7,440-10,783 individuals	18193043	Nat Genet
LDL	established	19p13.11	ZNF101	rs2304130-G	-0,1	22,562 individuals	NR	19060911	Nat Genet
LDL	established	19p13.11	ZNF101	rs2304130-G	-0,1	17,797 individuals	NR	19060911	Nat Genet
LDL	established	12q24.31	RPL12P33 - HNF1A-AS1	rs2650000-A	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	19p13.2	LDLR	rs2738459-C	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
LDL	established	8q24.13	TRIB1 - FAM84B	rs2954021-	-0,1	up to 17,243 white	up to 37,774 white	20864672	Arterioscler

				G		European descent individuals	European descent individuals, up to 9,665 Indian Asian individuals		Thromb Vasc Biol
LDL	established	5q13.3	HMGCR	rs3846662-G	0,1	22,562 individuals	NR	19060911	Nat Genet
LDL	established	5q13.3	HMGCR	rs3846662-G	0,1	17,797 individuals	NR	19060911	Nat Genet
LDL	established	5q13.3	HMGCR	rs3846663-T	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	19q13.32	APOC1	rs4420638-G	0,1	2,346 Micronesian individuals	1,464 European ancestry cases,1,467 European ancestry controls	18802019	Arterioscler Thromb Vasc Biol
LDL	established	19q13.32	APOC1	rs4420638-G	0,1	Up to 100,184 European descent individuals		20686565	Nature
LDL	established	19q13.32	APOC1	rs4420638-G	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
LDL	established	19q13.32	APOC1	rs4420638-G	0,1	Up to 95,454 European descent individuals		20686565	Nature
LDL	established	19q13.32	APOC1	rs4420638-G	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	19q13.32	APOC1	rs4420638-G	0,1	11,685 individuals	5,036 individuals	18262040	Lancet
LDL	established	19q13.32	APOC1	rs4420638-G	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
LDL	established	19q13.32	APOC1	rs4420638-G	0,1	8,589 individuals	7,440-10,783 individuals	18193043	Nat Genet
LDL	established	1q32.2	CR1L	rs4844614-A	0,1	4,763 individuals	NR	19060910	Nat Genet
LDL	established	Xq12	AR	rs5031002-A	0,1	4,763 individuals	NR	19060910	Nat Genet
LDL	established	2p24.1	APOB - KLHL29	rs515135-A	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
LDL	established	2p24.1	APOB - KLHL29	rs515135-A	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	2p24.1	APOB - KLHL29	rs562338-T	-0,1	8,589 individuals	7,440-10,783 individuals	18193043	Nat Genet

LDL	established	2p24.1	APOB - KLHL29	rs562338-T	-0,1	11,685 individuals	5,036 individuals	18262040	Lancet
LDL	established	1p13.3	PSRC1	rs599839-G	-0,1	8,589 individuals	7,440-10,783 individuals	18193043	Nat Genet
LDL	established	1p13.3	PSRC1	rs599839-G	-0,1	11,685 individuals	5,036 individuals	18262040	Lancet
LDL	established	1p13.3	PSRC1	rs599839-G	-0,1	1,955 hypertensive individuals	2,033 individuals in 519 families; 1,461 twins (1/pair selected randomly)	18179892	Am J Hum Genet
LDL	established	20q12	HSPE1P1 - MAFB	rs6102059-T	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	19p13.2	LDLR	rs6511720-T	0,1	8,589 individuals	7,440-10,783 individuals	18193043	Nat Genet
LDL	established	19p13.2	LDLR	rs6511720-T	0,1	Up to 100,184 European descent individuals		20686565	Nature
LDL	established	19p13.2	LDLR	rs6511720-T	0,1	Up to 95,454 European descent individuals		20686565	Nature
LDL	established	19p13.2	LDLR	rs6511720-T	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	19p13.2	LDLR	rs6511720-T	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
LDL	established	2p21	ABCG8	rs6544713-T	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
LDL	established	1p13.3	CELSR2	rs660240-A	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
LDL	established	2p21	ABCG5;ABCG8	rs6756629-G	0,1	22,562 individuals	NR	19060911	Nat Genet
LDL	established	2p21	ABCG5;ABCG8	rs6756629-G	0,1	17,797 individuals	NR	19060911	Nat Genet
LDL	established	2p24.1	APOB	rs693-A	0,1	4,763 individuals	NR	19060910	Nat Genet
LDL	established	2p24.1	APOB	rs693-A	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
LDL	established	2p24.1	APOB	rs693-A	0,1	22,562 individuals	NR	19060911	Nat Genet
LDL	established	2p24.1	APOB	rs693-A	0,1	17,797 individuals	NR	19060911	Nat Genet
LDL	established	8q24.13	TRIB1 - FAM84B	rs6987702-G	0,1	22,562 individuals	NR	19060911	Nat Genet
LDL	established	8q24.13	TRIB1 - FAM84B	rs6987702-G	0,1	17,797 individuals	NR	19060911	Nat Genet

myorcadial infarction	established	9p21.3	UBA52P6 - DMRTA1	rs10757278-G	0,246860078	1,607 cases,6,728 controls	2,980 cases,6,309 controls	17478679	Science
myorcadial infarction	established	1p32.3	BSND - PCSK9	rs11206510-T	0,139761942	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
myorcadial infarction	established	1p32.3	BSND - PCSK9	rs11206510-T	0,139761942	2,967 cases, 3,075 controls	9,746 cases, 9,746 controls	19198609	Nat Genet
myorcadial infarction	established	19p13.2	SMARCA4	rs1122608-G	0,139761942	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
myorcadial infarction	established	19p13.2	SMARCA4	rs1122608-G	0,139761942	2,967 cases, 3,075 controls	9,746 cases, 9,746 controls	19198609	Nat Genet
myorcadial infarction	established	6p24.1	PHACTR1	rs12526453-C	0,113328685	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
myorcadial infarction	established	6p24.1	PHACTR1	rs12526453-C	0,113328685	2,967 cases, 3,075 controls	9,746 cases, 9,746 controls	19198609	Nat Genet
myorcadial infarction	established	10q11.21	HNRNPA3P1 - CXCL12	rs1746048-C	0,157003749	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
myorcadial infarction	established	10q11.21	HNRNPA3P1 - CXCL12	rs1746048-C	0,157003749	2,967 cases, 3,075 controls	9,746 cases, 9,746 controls	19198609	Nat Genet
myorcadial infarction	established	1q41	MIA3	rs17465637-C	0,131028262	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
myorcadial infarction	established	1q41	MIA3	rs17465637-C	0,131028262	2,967 cases, 3,075 controls	9,746 cases, 9,746 controls	19198609	Nat Genet
myorcadial infarction	established	1q41	MIA3	rs17465637-C	0,131028262	1,926 cases,2,938 controls	875 cases,1,644 controls	17634449	N Engl J Med
myorcadial infarction	established	15q25.1	ADAMTS7	rs1994016-C	0,173953307	1,808 European ancestry AngCAD cases, 915 European ancestry AngCAD	10,585 European ancestry AngCAD cases, 6,468 European ancestry AngCAD controls, 1,211	21239051	Lancet

						controls, 4,572 European ancestry AngCAD with MI cases, 2,739 European ancestry AngCAD without MI controls	European ancestry AngCAD with MI cases, 905 European ancestry AngCAD without MI controls		
myorcadial infarction	established	9p21.3	CDKN2B-AS1	rs4977574-G	0,254642218	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
myorcadial infarction	established	9p21.3	CDKN2B-AS1	rs4977574-G	0,254642218	8,424 European ancestry cases, 7,268 European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	18,049 European ancestry cases, 16,357 European ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls	21378988	Nat Genet
myorcadial infarction	established	9p21.3	CDKN2B-AS1	rs4977574-G	0,254642218	2,967 cases, 3,075 controls	9,746 cases, 9,746 controls	19198609	Nat Genet
myorcadial infarction	established	9q34.2	ABO	rs514659-C	0,190620359	1,808 European ancestry AngCAD cases, 915 European ancestry AngCAD controls, 4,572 European ancestry AngCAD with MI cases, 2,739 European ancestry AngCAD without MI controls	10,585 European ancestry AngCAD cases, 6,468 European ancestry AngCAD controls, 1,211 European ancestry AngCAD with MI cases, 905 European ancestry AngCAD without MI controls	21239051	Lancet
myorcadial infarction	established	1p13.3	CELSR2	rs646776-T	0,173953307	8,424 European ancestry cases, 7,268 European ancestry controls, 6,996 South Asian cases, 7,794 South Asian controls	18,049 European ancestry cases, 16,357 European ancestry controls, 3,359 South Asian cases, 2,828 South Asian controls	21378988	Nat Genet
myorcadial infarction	established	1p13.3	CELSR2	rs646776-T	0,173953307	2,967 cases, 3,075 controls	9,746 cases, 9,746 controls	19198609	Nat Genet
myorcadial infarction	established	2q33.2	WDR12	rs6725887-C	0,157003749	22,233 European ancestry cases, 64,762 European ancestry	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet

						controls			
myorcadial infarction	established	2q33.2	WDR12	rs6725887-C	0,157003749	2,967 cases, 3,075 controls	9,746 cases, 9,746 controls	19198609	Nat Genet
myorcadial infarction	established	21q22.11	LINC00310 - KCNE2	rs9982601-T	0,182321557	22,233 European ancestry cases, 64,762 European ancestry controls	28,834 cases, 27,674 controls, 2,115 individuals.	21378990	Nat Genet
myorcadial infarction	established	21q22.11	LINC00310 - KCNE2	rs9982601-T	0,182321557	2,967 cases, 3,075 controls	9,746 cases, 9,746 controls	19198609	Nat Genet
SBP	established	10q24.32	CYP17A1	rs1004467-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
SBP	established	10p12.31	CACNB2	rs11014166-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
SBP	established	10p12.31	CACNB2	rs11014166-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
SBP	established	10p12.31	CACNB2	rs11014166-A	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
SBP	established	10q24.32	NT5C2	rs11191548-T	0,1	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	10q24.32	NT5C2	rs11191548-T	0,1	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	10q24.32	NT5C2	rs11191548-T	0,1	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
SBP	established	5p13.3	-	rs1173771-G	0,5041	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	5p13.3	-	rs1173771-G	0,5041	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	5p13.3	-	rs1173771-G	0,5041	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	5p13.3	-	rs1173771-G	0,5041	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	5p13.3	-	rs1173771-G	0,5041	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	5q33.3	RPLP2P2 - EBF1	rs11953630-T	-0,4119	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	5q33.3	RPLP2P2 - EBF1	rs11953630-T	-0,4119	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature

SBP	established	5q33.3	RPLP2P2 - EBF1	rs11953630-T	-0,4119	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	1p36.22	CASZ1	rs12046278-T	-0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
SBP	established	17q21.31	ACBD4;PLCD3	rs12946454-T	0,1	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
SBP	established	4q24	SLC39A8	rs13107325-T	-0,9811	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	4q24	SLC39A8	rs13107325-T	-0,9811	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	4q24	SLC39A8	rs13107325-T	-0,9811	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	4q24	SLC39A8	rs13107325-T	-0,9811	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	20p12.2	FAT1P1 - RPS11P1	rs1327235-G	0,3404	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	20p12.2	FAT1P1 - RPS11P1	rs1327235-G	0,3404	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	20p12.2	FAT1P1 - RPS11P1	rs1327235-G	0,3404	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	15q24.1	CSK	rs1378942-C	0,6125	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	15q24.1	CSK	rs1378942-C	0,6125	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	15q24.1	CSK	rs1378942-C	0,6125	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
SBP	established	15q24.1	CSK	rs1378942-C	0,6125	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	4q21.21	PRDM8 - FGF5	rs1458038-T	0,7057	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	4q21.21	PRDM8 - FGF5	rs1458038-T	0,7057	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	4q21.21	PRDM8 - FGF5	rs1458038-T	0,7057	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	12q21.33	ATP2B1 - MRPL2P1	rs17249754-G	0,9282	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet

SBP	established	12q21.33	ATP2B1 - MRPL2P1	rs17249754-G	0,9282	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	1p36.22	MTHFR	rs17367504-G	-0,9031	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	1p36.22	MTHFR	rs17367504-G	-0,9031	34,433 individuals	Up to 100,347 white individuals, up to 12,889 Indian Asian individuals	19430483	Nat Genet
SBP	established	17q21.32	GOSR2	rs17608766-T	-0,5564	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	17q21.32	GOSR2	rs17608766-T	-0,5564	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	17q21.32	GOSR2	rs17608766-T	-0,5564	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	6p22.2	HFE	rs1799945-G	0,627	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	6p22.2	HFE	rs1799945-G	0,627	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	6p22.2	HFE	rs1799945-G	0,627	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	10p12.31	CACN2B	rs1813353-T	0,5686	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	15q26.1	FES	rs2521501-T	0,6498	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	15q26.1	FES	rs2521501-T	0,6498	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	15q26.1	FES	rs2521501-T	0,6498	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	15q26.1	FES	rs2521501-T	0,6498	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	12q21.33	ATP2B1	rs2681492-T	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
SBP	established	1p13.2	MOV10	rs2932538-G	0,3884	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	1p13.2	MOV10	rs2932538-G	0,3884	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	1p13.2	MOV10	rs2932538-G	0,3884	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	1p13.2	MOV10	rs2932538-	0,3884	69,395 European	Up to 133,361 European	21909115	Nature

				G		ancestry individuals	ancestry individuals		
SBP	established	12q24.12	SH2B3	rs3184504-T	0,1	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	12q24.12	SH2B3	rs3184504-T	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
SBP	established	12q24.12	SH2B3	rs3184504-T	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
SBP	established	11p15.1	PLEKHA7	rs381815-T	0,1	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	11p15.1	PLEKHA7	rs381815-T	0,1	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	11p15.1	PLEKHA7	rs381815-T	0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
SBP	established	3q26.2	MECOM	rs419076-T	0,4088	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	3q26.2	MECOM	rs419076-T	0,4088	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	3q26.2	MECOM	rs419076-T	0,4088	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	10p12.33	SLC39A12 - CACNB2	rs4373814-G	-0,3726	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	10p12.33	SLC39A12 - CACNB2	rs4373814-G	-0,3726	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	10p12.33	SLC39A12 - CACNB2	rs4373814-G	-0,3726	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	3q26.2	MECOM	rs448378-A	-0,1	29,136 individuals	34,433 individuals	19430479	Nat Genet
SBP	established	10q21.2	C10orf107	rs4590817-G	0,6457	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	11q22.1	ARHGAP42	rs633185-G	-0,5647	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet
SBP	established	11q22.1	ARHGAP42	rs633185-G	-0,5647	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	11q22.1	ARHGAP42	rs633185-G	-0,5647	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	11q22.1	ARHGAP42	rs633185-G	-0,5647	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	11p15.4	ADM - AMPD3	rs7129220-G	-0,6186	74,064 European ancestry individuals	48,607 European ancestry individuals	21909110	Nat Genet

SBP	established	11p15.4	ADM - AMPD3	rs7129220-G	-0,6186	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	11p15.4	ADM - AMPD3	rs7129220-G	-0,6186	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	6p21.33	BAG6	rs805303-G	0,3756	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	6p21.33	BAG6	rs805303-G	0,3756	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	6p21.33	BAG6	rs805303-G	0,3756	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	10q23.33	PLCE1	rs932764-G	0,4837	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	10q23.33	PLCE1	rs932764-G	0,4837	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
SBP	established	10q23.33	PLCE1	rs932764-G	0,4837	69,395 European ancestry individuals	Up to 133,361 European ancestry individuals	21909115	Nature
smoking	established	15q25.1	CHRNA3	rs1051730-T	0,1	31,266 European ancestry individuals	54,731 European descent individuals	20418888	Nat Genet
smoking	established	15q25.1	CHRNA3	rs1051730-T	0,1	41,150 European descent individuals	120,516 European descent individuals	20418889	Nat Genet
smoking	established	15q25.1	CHRNA3	rs1051730-T	0,1	Up to 74,035 European ancestry individuals	Up to 68,988 participants	20418890	Nat Genet
smoking	established	15q25.1	CHRNA3	rs1051730-T	0,1	10,995 smokers	4,848 smokers	18385739	Nature
smoking	established	10q23.32	RPS27P1 - PPP1R3C	rs1329650-T	0,37	Up to 74,035 European ancestry individuals	Up to 68,988 participants	20418890	Nat Genet
smoking	established	7p14.3	PDE1C - SLC25A5P5	rs215614-G	0,22	31,266 European ancestry individuals	54,731 European descent individuals	20418888	Nat Genet
smoking	established	21q22.2	FLJ45139 - RPL23AP12	rs2836823-T	0,38	1,050 cases,879 controls	NR	17158188	Hum Mol Genet
smoking	established	9q34.2	FAM163B - DBH	rs3025343-G	0,113	Up to 74,035 European ancestry individuals	Up to 68,988 participants	20418890	Nat Genet
smoking	established	19q13.2	EGLN2	rs3733829-G	0,33	Up to 74,035 European ancestry individuals	Up to 68,988 participants	20418890	Nat Genet
smoking	established	19q13.2	CYP2A6 - CYP2A7	rs4105144-C	0,39	31,266 European ancestry individuals	54,731 European descent individuals	20418888	Nat Genet
smoking	established	10q21.3	CTNNA3	rs4142041-G	0,13	1,050 cases,879 controls	NR	17158188	Hum Mol Genet

smoking	established	11p14.1	BDNF	rs6265-G	0,058	Up to 74,035 European ancestry individuals	Up to 68,988 participants	20418890	Nat Genet
smoking	established	8p11.21	C8orf40 - CHRNB3	rs6474412-T	0,29	31,266 European ancestry individuals	54,731 European descent individuals	20418888	Nat Genet
smoking	established	19q13.2	CYP2B6	rs7260329-G	0,2	31,266 European ancestry individuals	54,731 European descent individuals	20418888	Nat Genet
T1D	established	11p15.5	IGF2;INS-IGF2	rs1004446-C	0,476234179	467 trios, 561 cases,1,143 controls	2,350 individuals in 549 families; 390 trios	17632545	Nature
T1D	established	11p15.5	IGF2;INS-IGF2	rs1004446-C	0,476234179	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	4p15.2	C4orf52 - RBPJ	rs10517086-A	0,086177696	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	12p13.31	-	rs11052552-G	0,39877612	1,963 cases,2,938 controls	(see Todd 2007)	17554300	Nature
T1D	established	12q13.2	RPS26 - ERBB3	rs11171739-C	0,292669614	1,963 cases,2,938 controls	(see Todd 2007)	17554300	Nature
T1D	established	6q15	BACH2	rs11755527-G	0,122217633	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	6q15	BACH2	rs11755527-G	0,122217633	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet
T1D	established	6q15	BACH2	rs11755527-G	0,122217633	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	16p12.3	GP2 - UMOD	rs12444268-A	0,09531018	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	16p13.13	CLEC16A	rs12708716-A	0,207014169	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	16p13.13	CLEC16A	rs12708716-A	0,207014169	1,963 cases,2,938 controls	(see Todd 2007)	17554300	Nature
T1D	established	16p13.13	CLEC16A	rs12708716-A	0,207014169	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	16p13.13	CLEC16A	rs12708716-A	0,207014169	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet
T1D	established	16p13.13	CLEC16A	rs12708716-A	0,207014169	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	5p13.2	CAPSL	rs1445898-G	0,113328685	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	2p24.3	ST13P1 - TRIB2	rs1534422-G	0,076961041	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet

T1D	established	12q13.2	SUOX - IKZF4	rs1701704-C	0,223143551	467 trios, 561 cases, 1,143 controls	549 families, 364 trios	18198356	Diabetes
T1D	established	12q13.2	SUOX - IKZF4	rs1701704-C	0,223143551	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	5q31.1	FSTL4	rs17166496-G	0,262364264	1,963 cases,2,938 controls	(see Todd 2007)	17554300	Nature
T1D	established	4q27	ADAD1	rs17388568-A	0,231111721	1,963 cases,2,938 controls	(see Todd 2007)	17554300	Nature
T1D	established	4q27	ADAD1	rs17388568-A	0,231111721	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	12q24.13	NAA25	rs17696736-G	0,292669614	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet
T1D	established	12q24.13	NAA25	rs17696736-G	0,292669614	1,963 cases,2,938 controls	(see Todd 2007)	17554300	Nature
T1D	established	12q24.13	NAA25	rs17696736-G	0,292669614	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	2q24.2	IFIH1	rs1990760-A	0,165514438	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	2q24.2	IFIH1	rs1990760-A	0,165514438	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	2q24.2	IFIH1	rs1990760-A	0,165514438	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	2p23.3	RPL36AP13 - NCOA1	rs2165738-C	0,067658648	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet
T1D	established	1p31.3	PGM1	rs2269241-G	0,09531018	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	12q13.2	ERBB3	rs2292239-A	0,246860078	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	12q13.2	ERBB3	rs2292239-A	0,246860078	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet
T1D	established	12q13.2	ERBB3	rs2292239-A	0,246860078	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	12q13.2	ERBB3	rs2292239-A	0,246860078	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	22q12.3	C1QTNF6 - SSTR3	rs229541-T	0,104360015	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	22q12.3	C1QTNF6 - SSTR3	rs229541-T	0,104360015	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet

T1D	established	19p13.2	TYK2	rs2304256-C	0,148420005	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	19p13.2	TYK2	rs2304256-C	0,148420005	7,514 European ancestry cases, 9,045 European ancestry controls	4,840 European ancestry cases, 2,670 European ancestry controls, 4,152 European ancestry familial triads	19966805	Nat Genet
T1D	established	1p13.2	PTPN22	rs2476601-T	0,683096845	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	1p13.2	PTPN22	rs2476601-T	0,683096845	467 trios, 561 cases,1,143 controls	2,350 individuals in 549 families; 390 trios	17632545	Nature
T1D	established	1p13.2	PTPN22	rs2476601-T	0,683096845	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	1p13.2	PTPN22	rs2476601-T	0,683096845	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	18p11.21	PSMG2 - PTPN2	rs2542151-C	0,262364264	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet
T1D	established	18p11.21	PSMG2 - PTPN2	rs2542151-C	0,262364264	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	18p11.21	PSMG2 - PTPN2	rs2542151-C	0,262364264	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	6p21.32	HLA-DQB1 - HLA-DQA2	rs2647044-A	2,116255515	467 trios, 561 cases,1,143 controls	2,350 individuals in 549 families; 390 trios	17632545	Nature
T1D	established	Xq28	GAB3	rs2664170-G	0,148420005	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	16p13.13	CLEC16A	rs2903692-G	0,431782416	467 trios, 561 cases,1,143 controls	2,350 individuals in 549 families; 390 trios	17632545	Nature
T1D	established	11p15.5	IGF2;INS-IGF2	rs3741208-T	0,223143551	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	12p13.31	CLEC2D	rs3764021-C	0,451075619	1,963 cases,2,938 controls	(see Todd 2007)	17554300	Nature
T1D	established	15q25.1	CTSH	rs3825932-T	0,148420005	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	15q25.1	CTSH	rs3825932-T	0,148420005	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet
T1D	established	16p13.13	TNP2	rs416603-T	0,058268908	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet
T1D	established	12p13.31	CD69	rs4763879-	0,086177696	7,514 cases, 9,045	4,267 cases, 4,670	19430480	Nat Genet

				A		controls	controls, 4,342 trios		
T1D	established	16p11.2	IL27 - NUPR1	rs4788084-G	0,086177696	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	16p11.2	IL27 - NUPR1	rs4788084-G	0,086177696	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	14q32.2	C14orf64 - C14orf177	rs4900384-G	0,086177696	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	22q12.2	RPS3AP51 - LIF	rs5753037-T	0,09531018	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	4q27	KIAA1109	rs6534347-A	0,262364264	1,963 cases,2,938 controls	(see Todd 2007)	17554300	Nature
T1D	established	1p13.2	RPS2P14 - RSBN1	rs6679677-A	0,636576829	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet
T1D	established	1p13.2	RPS2P14 - RSBN1	rs6679677-A	0,636576829	1,963 cases,2,938 controls	(see Todd 2007)	17554300	Nature
T1D	established	1p13.2	RPS2P14 - RSBN1	rs6679677-A	0,636576829	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	5p13.2	IL7R	rs6897932-G	0,113328685	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	16q23.1	CTRB2 - CTRB1	rs7202877-G	0,246860078	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	18q22.2	CD226	rs763361-A	0,148420005	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T1D	established	18q22.2	CD226	rs763361-A	0,148420005	12,501 European ancestry cases	3,598 affected siblings	21829393	PLoS Genet
T1D	established	6p21.32	HLA-DQA1	rs9272346-G	1,702928256	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet
T1D	established	6p21.32	HLA-DQA1	rs9272346-G	1,702928256	1,963 cases,2,938 controls	(see Todd 2007)	17554300	Nature
T1D	established	6q22.32	CENPW - RPS4XP9	rs9388489-G	0,157003749	7,514 cases, 9,045 controls	4,267 cases, 4,670 controls, 4,342 trios	19430480	Nat Genet
T1D	established	14q32.2	MEG3	rs941576-A	0,104360015	7,514 European ancestry cases, 9,045 European ancestry controls	4,840 European ancestry cases, 2,670 European ancestry controls, 4,152 European ancestry familial triads	19966805	Nat Genet
T1D	established	10p15.1	DKFZp667F0711	rs947474-G	0,09531018	3,561 cases,4,646 controls	6,225 cases,6,946 controls, 3,064 trios	18978792	Nat Genet

T1D	established	2q11.2	AFF3 - LONRF2	rs9653442-G	0,104360015	1,963 cases,2,938 controls	2997 trios, 4,000 cases, 5,000 controls	17554260	Nat Genet
T2D	established	6p22.3	CDKAL1	rs10440833-A	0,223143551	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	9p21.3	UBA52P6 - DMRTA1	rs10811661-T	0,182321557	1,924 cases, 2,938 controls	3,757 cases, 5,346 controls	19056611	Diabetes
T2D	established	9p21.3	UBA52P6 - DMRTA1	rs10811661-T	0,182321557	1,464 cases,1,467 controls	5,065 cases,5,785 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463246	Science
T2D	established	9p21.3	UBA52P6 - DMRTA1	rs10811661-T	0,182321557	1,161 cases,1,174 controls	1,215 cases,1,258 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463248	Science
T2D	established	9p21.3	UBA52P6 - DMRTA1	rs10811661-T	0,182321557	1,924 cases,2,938 controls	3,757 cases,5,346 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463249	Science
T2D	established	1p12	NOTCH2	rs10923931-T	0,122217633	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	6p22.3	CDKAL1	rs10946398-C	0,148420005	1,924 cases, 2,938 controls	3,757 cases, 5,346 controls	19056611	Diabetes
T2D	established	6p22.3	CDKAL1	rs10946398-C	0,148420005	1,924 cases,2,938 controls	3,757 cases,5,346 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463249	Science
T2D	established	9p21.3	UBA52P6 - DMRTA1	rs10965250-G	0,182321557	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	10q23.33	HHEX - EXOC6	rs1111875-C	0,122217633	1,464 cases,1,467 controls	5,065 cases,5,785 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463246	Science
T2D	established	10q23.33	HHEX - EXOC6	rs1111875-C	0,122217633	1,161 cases,1,174 controls	1,215 cases,1,258 controls (also includes meta-	17463248	Science

							analysis from DGI+FUSION+WTCCC)		
T2D	established	10q23.33	HHEX - EXOC6	rs1111875-C	0,122217633	661 cases,614 controls	2,617 cases,2,894 controls	17293876	Nature
T2D	established	12q13.2	DCD - VDAC1P5	rs1153188-A	0,076961041	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	15q25.1	ZFAND6 - FAH	rs11634397-G	0,058268908	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	16q12.2	FTO	rs11642841-A	0,122217633	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	12q13.12	HIGD1C	rs12304921-G	0,916290732	1,924 cases,2,938 controls	(see Zeggini 2007)	17554300	Nature
T2D	established	5q14.3	MEF2C - CETN3	rs12518099-C	0,148420005	679 French cases, 697 French controls	5,579 European cases, 7,096 European controls	19734900	Nat Genet
T2D	established	10p13	CDC123 - CAMK1D	rs12779790-G	0,104360015	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	3p25.2	TIMP4 - GSTM5P1	rs13081389-A	0,21511138	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	8q24.11	SLC30A8	rs13266634-C	0,148420005	1,924 cases, 2,938 controls	3,757 cases, 5,346 controls	19056611	Diabetes
T2D	established	8q24.11	SLC30A8	rs13266634-C	0,148420005	1,464 cases,1,467 controls	5,065 cases,5,785 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463246	Science
T2D	established	8q24.11	SLC30A8	rs13266634-C	0,148420005	1,161 cases,1,174 controls	1,215 cases,1,258 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463248	Science
T2D	established	8q24.11	SLC30A8	rs13266634-C	0,148420005	1,399 EA cases,5,275 EA controls	2,437 EA cases,7,287 EA controls	17460697	Nat Genet
T2D	established	8q24.11	SLC30A8	rs13266634-C	0,148420005	1,924 cases,2,938 controls	3,757 cases,5,346 controls (also includes meta-	17463249	Science

							analysis from DGI+FUSION+WTCCC)		
T2D	established	8q24.11	SLC30A8	rs13266634-C	0,148420005	661 cases,614 controls	2,617 cases,2,894 controls	17293876	Nature
T2D	established	8q24.11	SLC30A8	rs13266634-C	0,148420005	679 French cases, 697 French controls	5,579 European cases, 7,096 European controls	19734900	Nat Genet
T2D	established	9q21.31	KRT18P24 - CHCHD2P9	rs13292136-C	0,104360015	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	11q14.3	RPS3AP42 - MTNR1B	rs1387153-T	0,086177696	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	3q27.2	IGF2BP2	rs1470579-C	0,131028262	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	12q21.1	TSPAN8 - LGR5	rs1495377-G	0,246860078	1,924 cases,2,938 controls	(see Zeggini 2007)	17554300	Nature
T2D	established	12q14.3	RPSAP52	rs1531343-C	0,09531018	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	11q13.4	ARAP1	rs1552224-A	0,131028262	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	3p25.2	TIMP4 - GSTM5P1	rs17036101-G	0,139761942	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	4p16.1	WFS1	rs1801214-T	0,122217633	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	3p25.2	PPARG	rs1801282-C	0,131028262	1,464 cases,1,467 controls	5,065 cases,5,785 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463246	Science

T2D	established	3p25.2	PPARG	rs1801282-C	0,131028262	1,161 cases,1,174 controls	1,215 cases,1,258 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463248	Science
T2D	established	3p25.2	PPARG	rs1801282-C	0,131028262	1,924 cases,2,938 controls	3,757 cases,5,346 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463249	Science
T2D	established	11p15.5	KCNQ1	rs231362-G	0,076961041	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	2p16.1	EIF3FP3 - BCL11A	rs243021-A	0,076961041	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	2q36.3	NYAP2 - IRS1	rs2943641-C	0,173953307	679 French cases, 697 French controls	5,579 European cases, 7,096 European controls	19734900	Nat Genet
T2D	established	8q24.11	SLC30A8	rs3802177-G	0,139761942	2,112 lean type 2 diabetes cases, 4,123 obese type 2 diabetes cases, 54,412 controls	2,881 lean type 2 diabetes cases, 8,702 obese type 2 diabetes cases, 18,957 controls	22693455	PLoS Genet
T2D	established	8q24.11	SLC30A8	rs3802177-G	0,139761942	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	3q27.2	IGF2BP2	rs4402960-T	0,157003749	2,112 lean type 2 diabetes cases, 4,123 obese type 2 diabetes cases, 54,412 controls	2,881 lean type 2 diabetes cases, 8,702 obese type 2 diabetes cases, 18,957 controls	22693455	PLoS Genet
T2D	established	3q27.2	IGF2BP2	rs4402960-T	0,157003749	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	3q27.2	IGF2BP2	rs4402960-T	0,157003749	1,464 cases,1,467 controls	5,065 cases,5,785 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463246	Science
T2D	established	3q27.2	IGF2BP2	rs4402960-T	0,157003749	1,161 cases,1,174 controls	1,215 cases,1,258 controls (also includes meta-	17463248	Science

							analysis from DGI+FUSION+WTCCC)		
T2D	established	3q27.2	IGF2BP2	rs4402960-T	0,157003749	1,924 cases,2,938 controls	3,757 cases,5,346 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463249	Science
T2D	established	17q12	HNF1B	rs4430796-G	0,131028262	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	5q13.3	SNORA47 - PDE8B	rs4457053-G	0,076961041	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	10q25.2	TCF7L2	rs4506565-T	0,3074847	1,924 cases,2,938 controls	(see Zeggini 2007)	17554300	Nature
T2D	established	3p14.1	ADAMTS9 - MAGI1	rs4607103-C	0,086177696	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	4p16.1	WFS1	rs4689388-T	0,148420005	679 French cases, 697 French controls	5,579 European cases, 7,096 European controls	19734900	Nat Genet
T2D	established	6p22.3	CDKAL1	rs4712523-G	0,182321557	679 French cases, 697 French controls	5,579 European cases, 7,096 European controls	19734900	Nat Genet
T2D	established	12q21.1	TSPAN8 - LGR5	rs4760790-A	0,104360015	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	10q23.33	HHEX - EXOC6	rs5015480-C	0,165514438	2,112 lean type 2 diabetes cases, 4,123 obese type 2 diabetes cases, 54,412 controls	2,881 lean type 2 diabetes cases, 8,702 obese type 2 diabetes cases, 18,957 controls	22693455	PLoS Genet
T2D	established	10q23.33	HHEX - EXOC6	rs5015480-C	0,165514438	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	10q23.33	HHEX - EXOC6	rs5015480-C	0,165514438	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	10q23.33	HHEX - EXOC6	rs5015480-C	0,165514438	1,924 cases,2,938 controls	3,757 cases,5,346 controls (also includes meta-	17463249	Science

							analysis from DGI+FUSION+WTCCC)		
T2D	established	11p15.1	KCNJ11	rs5215-C	0,148420005	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	11p15.1	KCNJ11	rs5215-C	0,148420005	1,924 cases,2,938 controls	3,757 cases,5,346 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463249	Science
T2D	established	11p15.1	KCNJ11	rs5219-T	0,139761942	1,924 cases, 2,938 controls	3,757 cases, 5,346 controls	19056611	Diabetes
T2D	established	11p15.1	KCNJ11	rs5219-T	0,139761942	1,924 cases, 2,938 controls	3,757 cases, 5,346 controls	19056611	Diabetes
T2D	established	11p15.1	KCNJ11	rs5219-T	0,139761942	1,464 cases,1,467 controls	5,065 cases,5,785 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463246	Science
T2D	established	11p15.1	KCNJ11	rs5219-T	0,139761942	1,161 cases,1,174 controls	1,215 cases,1,258 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463248	Science
T2D	established	9p21.3	CDKN2B-AS1	rs564398-T	0,122217633	1,924 cases,2,938 controls	3,757 cases,5,346 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463249	Science
T2D	established	Xq28	KRT18P48 - DUSP9	rs5945326-A	0,2390169	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	6p22.3	CDKAL1	rs6931514-G	0,223143551	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	9p21.3	UBA52P6 - DMRTA1	rs7020996-C	0,231111721	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	2q36.3	NYAP2 - IRS1	rs7578326-A	0,104360015	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	2p21	THADA	rs7578597-T	0,139761942	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet

T2D	established	4q27	ANXA5 - TMEM155	rs7659604-T	0,300104592	1,924 cases,2,938 controls	(see Zeggini 2007)	17554300	Nature
T2D	established	6p22.3	CDKAL1	rs7754840-C	0,113328685	1,464 cases,1,467 controls	5,065 cases,5,785 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463246	Science
T2D	established	6p22.3	CDKAL1	rs7754840-C	0,113328685	1,161 cases,1,174 controls	1,215 cases,1,258 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463248	Science
T2D	established	6p22.3	CDKAL1	rs7756992-G	0,182321557	1,399 EA cases,5,275 EA controls	2,437 EA cases,7,287 EA controls	17460697	Nat Genet
T2D	established	10q25.2	TCF7L2	rs7901695-C	0,31481074	1,924 cases,2,938 controls	3,757 cases,5,346 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463249	Science
T2D	established	10q25.2	TCF7L2	rs7903146-A	0,500775288	1,924 cases, 2,938 controls	3,757 cases, 5,346 controls	19056611	Diabetes
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	1,924 cases, 2,938 controls	3,757 cases, 5,346 controls	19056611	Diabetes
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	1,399 EA cases,5,275 EA controls	2,437 EA cases,7,287 EA controls	17460697	Nat Genet
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	500 cases,497 controls	2,573 cases,2,776 controls	17668382	Am J Hum Genet
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	2,112 lean type 2 diabetes cases, 4,123 obese type 2 diabetes cases, 54,412 controls	2,881 lean type 2 diabetes cases, 8,702 obese type 2 diabetes cases, 18,957 controls	22693455	PLoS Genet
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	2,112 lean type 2 diabetes cases, 4,123 obese type 2 diabetes cases, 54,412 controls	2,881 lean type 2 diabetes cases, 8,702 obese type 2 diabetes cases, 18,957 controls	22693455	PLoS Genet
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	2,413 European ancestry cases, 810 African American cases, 2,392 European ancestry controls, 873 African American	NR	22101970	J Am Med Inform Assoc

						controls			
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	1,464 cases,1,467 controls	5,065 cases,5,785 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463246	Science
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	1,161 cases,1,174 controls	1,215 cases,1,258 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463248	Science
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	661 cases,614 controls	2,617 cases,2,894 controls	17293876	Nature
T2D	established	10q25.2	TCF7L2	rs7903146-T	0,500775288	679 French cases, 697 French controls	5,579 European cases, 7,096 European controls	19734900	Nat Genet
T2D	established	12q24.31	OASL	rs7957197-T	0,067658648	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	12q21.1	TSPAN8 - LGR5	rs7961581-C	0,086177696	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	15q26.1	PRC1	rs8042680-A	0,067658648	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	16q12.2	FTO	rs8050136-A	0,207014169	1,924 cases, 2,938 controls	3,757 cases, 5,346 controls	19056611	Diabetes
T2D	established	16q12.2	FTO	rs8050136-A	0,207014169	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	16q12.2	FTO	rs8050136-A	0,207014169	1,161 cases,1,174 controls	1,215 cases,1,258 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463248	Science
T2D	established	16q12.2	FTO	rs8050136-	0,207014169	1,924 cases,2,938	3,757 cases,5,346 controls	17463249	Science

				A		controls	(also includes meta-analysis from DGI+FUSION+WTCCC)		
T2D	established	7p15.1	JAZF1	rs849134-A	0,122217633	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	7p15.1	JAZF1	rs864745-T	0,09531018	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	8q22.1	TP53INP1	rs896854-T	0,058268908	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	11p12	RPL9P23 - API5	rs9300039-C	0,392042088	1,161 cases,1,174 controls	1,215 cases,1,258 controls (also includes meta-analysis from DGI+FUSION+WTCCC)	17463248	Science
T2D	established	6p22.3	CDKAL1	rs9465871-C	0,165514438	1,924 cases,2,938 controls	(see Zeggini 2007)	17554300	Nature
T2D	established	6p21.1	VEGFA - C6orf223	rs9472138-T	0,058268908	4,549 cases,5,579 controls	24,194 cases,55,598 controls	18372903	Nat Genet
T2D	established	7q32.3	KLF14 - FLJ43663	rs972283-G	0,067658648	8,130 European ancestry cases, 38,987 European ancestry controls	Up to 34,412 European ancestry cases, 59,925 European ancestry controls	20581827	Nat Genet
T2D	established	16q12.2	FTO	rs9939609-A	0,292669614	2,112 lean type 2 diabetes cases, 4,123 obese type 2 diabetes cases, 54,412 controls	2,881 lean type 2 diabetes cases, 8,702 obese type 2 diabetes cases, 18,957 controls	22693455	PLoS Genet
T2D	established	16q12.2	FTO	rs9939609-A	0,292669614	1,924 cases,2,938 controls	(see Zeggini 2007)	17554300	Nature
triglyceride levels	established	8p21.3	LPL - RPL30P9	rs10096633-G	0,1	17,815 individuals	NR	19060911	Nat Genet
triglyceride levels	established	8p21.3	LPL - RPL30P9	rs10105606-C	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
triglyceride	established	8p21.3	LPL - RPL30P9	rs10503669-	0,1	8,684 individuals	5,312-9,707 individuals	18193043	Nat Genet

levels				T					
triglyceride levels	established	1p31.3	DOCK7	rs10889353-C	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
triglyceride levels	established	11q23.3	DSCAML1	rs10892151-A	0,1	809 individuals	698 individuals	19074352	Science
triglyceride levels	established	1p31.3	DOCK7	rs1167998-C	-0,1	17,815 individuals	NR	19060911	Nat Genet
triglyceride levels	established	1p31.3	DOCK7	rs1168013-G	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
triglyceride levels	established	7q11.23	BAZ1B	rs1178979-A	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
triglyceride levels	established	1p31.3	RPL13AP9 - ATG4C	rs12130333-T	-0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
triglyceride levels	established	11q23.3	RPL15P15 - BUD13	rs12272004-C	-0,1	17,815 individuals	NR	19060911	Nat Genet
triglyceride levels	established	11q23.3	ZNF259	rs12286037-T	0,1	6,668 Caucasian individuals	NR	20442857	PLoS Genet
triglyceride levels	established	11q23.3	ZNF259	rs12286037-T	0,1	8,684 individuals	5,312-9,707 individuals	18193043	Nat Genet
triglyceride levels	established	2p23.3	GCKR	rs1260326-T	0,1	463 European ancestry cases, 1,197 European ancestry controls	NR	20657596	Nat Genet
triglyceride levels	established	2p23.3	GCKR	rs1260326-T	0,1	Up to 52,350 European ancestry individuals, up to 8,739 Indian Asian individuals	NR	22001757	Nat Genet
triglyceride levels	established	2p23.3	GCKR	rs1260326-T	0,1	Up to 96,598 European descent individuals		20686565	Nature
triglyceride levels	established	2p23.3	GCKR	rs1260326-T	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
triglyceride levels	established	2p23.3	GCKR - C2orf16	rs1260333-C	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol

triglyceride levels	established	8p21.3	LPL - RPL30P9	rs12678919-G	-0,1	Up to 96,598 European descent individuals		20686565	Nature
triglyceride levels	established	8p21.3	LPL - RPL30P9	rs12678919-G	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
triglyceride levels	established	11q23.3	RPL15P15 - BUD13	rs1558861-C	0,1	2,011 individuals	10,536 individuals	18193046	Nat Genet
triglyceride levels	established	19p13.11	CILP2 - PBX4	rs16996148-T	-0,1	8,684 individuals	5,312-9,707 individuals	18193043	Nat Genet
triglyceride levels	established	19p13.11	CILP2 - PBX4	rs16996148-T	-0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
triglyceride levels	established	7q11.23	TBL2	rs17145738-T	-0,1	8,684 individuals	5,312-9,707 individuals	18193043	Nat Genet
triglyceride levels	established	7q11.23	TBL2	rs17145738-T	-0,1	Up to 96,598 European descent individuals		20686565	Nature
triglyceride levels	established	7q11.23	TBL2	rs17145738-T	-0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
triglyceride levels	established	19p13.11	CILP2 - PBX4	rs17216525-T	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
triglyceride levels	established	8q24.13	TRIB1 - FAM84B	rs17321515-A	0,1	8,684 individuals	5,312-9,707 individuals	18193043	Nat Genet
triglyceride levels	established	8q24.13	TRIB1 - FAM84B	rs17321515-A	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
triglyceride levels	established	11q12.2	FADS1	rs174547-C	0,1	8,330 European ancestry individuals	NR	22286219	Nat Genet
triglyceride levels	established	11q12.2	FADS1	rs174547-C	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
triglyceride levels	established	11q12.2	FADS1	rs174547-C	0,1	8,866 European ancestry individuals	NR	21829377	PLoS Genet
triglyceride levels	established	11q12.2	FADS1	rs174547-C	0,1	8,866 European ancestry individuals	NR	21829377	PLoS Genet
triglyceride levels	established	11q12.2	FADS1	rs174548-G	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
triglyceride levels	established	1p31.3	DOCK7	rs1748195-C	0,1	8,684 individuals	5,312-9,707 individuals	18193043	Nat Genet
triglyceride levels	established	16q13	CETP	rs1800775-C	0,1	up to 5,217 individuals	NR	17463246	Science

triglyceride levels	established	16q13	CETP	rs1800775-C	0,1	up to 5,217 individuals	NR	17463246	Science
triglyceride levels	established	11q23.3	SIK3	rs2075292-G	0,1	2,011 individuals	10,536 individuals	18193046	Nat Genet
triglyceride levels	established	1q42.13	GALNT2	rs2144300-C	0,1	8,684 individuals	5,312-9,707 individuals	18193043	Nat Genet
triglyceride levels	established	7q11.23	BAZ1B	rs2240466-G	0,1	17,815 individuals	NR	19060911	Nat Genet
triglyceride levels	established	19p13.11	ZNF101	rs2304130-G	-0,1	4,034 European ancestry individuals	NR	22359512	PLoS Genet
triglyceride levels	established	19p13.11	ZNF101	rs2304130-G	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
triglyceride levels	established	19p13.11	ZNF101	rs2304130-G	-0,1	17,815 individuals	NR	19060911	Nat Genet
triglyceride levels	established	11q23.3	BUD13	rs28927680-G	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
triglyceride levels	established	8q24.13	TRIB1 - FAM84B	rs2954029-T	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
triglyceride levels	established	8q24.13	TRIB1 - FAM84B	rs2954029-T	-0,1	Up to 96,598 European descent individuals		20686565	Nature
triglyceride levels	established	8q24.13	TRIB1 - FAM84B	rs2954029-T	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
triglyceride levels	established	8p21.3	LPL	rs326-A	0,1	2,011 individuals	10,536 individuals	18193046	Nat Genet
triglyceride levels	established	8p21.3	LPL	rs328-G	-0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
triglyceride levels	established	8p21.3	LPL	rs328-G	-0,1	up to 5,217 individuals	NR	17463246	Science
triglyceride levels	established	7q11.23	MLXIPL	rs3812316-C	0,1	2,011 individuals	10,536 individuals	18193046	Nat Genet
triglyceride levels	established	19q13.32	APOE - APOC1	rs439401-G	0,1	17,815 individuals	NR	19060911	Nat Genet
triglyceride levels	established	19q13.32	APOE - APOC1	rs439401-G	0,1	Up to 96,598 European descent individuals		20686565	Nature

triglyceride levels	established	19q13.32	APOC1	rs4420638-G	0,1	13,664 European ancestry individuals	NR	22003152	Eur Heart J
triglyceride levels	established	19q13.32	APOC1	rs4420638-G	0,1	6,668 Caucasian individuals	NR	20442857	PLoS Genet
triglyceride levels	established	19q13.32	APOC1	rs4420638-G	0,1	up to 5,217 individuals	NR	17463246	Science
triglyceride levels	established	4q22.1	AFF1	rs442177-A	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
triglyceride levels	established	4q22.1	AFF1	rs442177-A	0,1	Up to 96,598 European descent individuals		20686565	Nature
triglyceride levels	established	2p24.1	APOB - KLHL29	rs4635554-G	0,1	463 European ancestry cases, 1,197 European ancestry controls	NR	20657596	Nat Genet
triglyceride levels	established	15q21.3	RPL28P4 - LIPC	rs4775041-C	0,1	8,684 individuals	5,312-9,707 individuals	18193043	Nat Genet
triglyceride levels	established	1q42.13	GALNT2	rs4846914-G	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
triglyceride levels	established	1q42.13	GALNT2	rs4846914-G	0,1	Up to 96,598 European descent individuals		20686565	Nature
triglyceride levels	established	11q23.3	RPL15P15 - BUD13	rs4938303-T	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
triglyceride levels	established	2p24.1	C2orf43 - APOB	rs6544366-T	-0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
triglyceride levels	established	2p24.1	C2orf43 - APOB	rs6754295-C	-0,1	17,815 individuals	NR	19060911	Nat Genet
triglyceride levels	established	5q11.2	RPL26P19 - MAP3K1	rs6867983-T	0,1	up to 17,243 white European descent individuals	up to 37,774 white European descent individuals, up to 9,665 Indian Asian individuals	20864672	Arterioscler Thromb Vasc Biol
triglyceride levels	established	2p24.1	APOB	rs693-A	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
triglyceride	established	2p24.1	APOB	rs693-A	0,1	up to 5,217 individuals	NR	17463246	Science

levels									
triglyceride levels	established	7q11.23	BAZ1B	rs714052-G	-0,1	463 European ancestry cases, 1,197 European ancestry controls	NR	20657596	Nat Genet
triglyceride levels	established	7q11.23	BAZ1B	rs714052-G	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
triglyceride levels	established	2p24.1	C2orf43 - APOB	rs7557067-G	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
triglyceride levels	established	20q13.12	PCIF1	rs7679-C	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
triglyceride levels	established	2p23.3	GCKR	rs780094-T	0,1	17,815 individuals	NR	19060911	Nat Genet
triglyceride levels	established	2p23.3	GCKR	rs780094-T	0,1	8,866 European ancestry individuals	NR	21829377	PLoS Genet
triglyceride levels	established	2p23.3	GCKR	rs780094-T	0,1	2,758 individuals	18,544 individuals	18193044	Nat Genet
triglyceride levels	established	2p23.3	GCKR	rs780094-T	0,1	8,684 individuals	5,312-9,707 individuals	18193043	Nat Genet
triglyceride levels	established	8p23.1	XKR6	rs7819412-G	-0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
triglyceride levels	established	11q23.3	ZNF259	rs964184-G	0,1	4,034 European ancestry individuals	NR	22359512	PLoS Genet
triglyceride levels	established	11q23.3	ZNF259	rs964184-G	0,1	13,664 European ancestry individuals	NR	22003152	Eur Heart J
triglyceride levels	established	11q23.3	ZNF259	rs964184-G	0,1	463 European ancestry cases, 1,197 European ancestry controls	NR	20657596	Nat Genet
triglyceride levels	established	11q23.3	ZNF259	rs964184-G	0,1	Up to 96,598 European descent individuals		20686565	Nature
triglyceride levels	established	11q23.3	ZNF259	rs964184-G	0,1	19,840 individuals	Up to 20,623 individuals	19060906	Nat Genet
uric acid	less well established	12q13.3	R3HDM2 - INHBC	rs1106766-T	-0,1	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	6p22.2	SLC17A1	rs1165196-G	-0,1	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	6p22.2	SLC17A1	rs1183201-A	-0,1	12,328 European ancestry males, 15,813 European ancestry	NR	19503597	PLoS Genet

						females			
uric acid	less well established	1q21.1	PDZK1	rs12129861-A	-0,1	12,328 European ancestry males, 15,813 European ancestry females	NR	19503597	PLoS Genet
uric acid	less well established	10q21.2	SLC16A9	rs12356193-A	0,1	12,328 European ancestry males, 15,813 European ancestry females	NR	19503597	PLoS Genet
uric acid	less well established	4p16.1	SLC2A9	rs13129697-G	-0,5	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	4p16.1	SLC2A9	rs13129697-G	-0,5	1,300 European ancestry individuals	NR	22229870	Ann Hum Genet
uric acid	less well established	4p16.1	SLC2A9	rs13129697-G	-0,5	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	4p16.1	SLC2A9	rs16890979-T	-0,1	408 women,460 men	NR	18759275	Arthritis Rheum
uric acid	less well established	4p16.1	SLC2A9	rs16890979-T	-0,1	11,847 individuals	14,867 individuals	18834626	Lancet
uric acid	less well established	11q13.1	SLC22A11	rs17300741-A	0,1	12,328 European ancestry males, 15,813 European ancestry females	NR	19503597	PLoS Genet
uric acid	less well established	1q21.1	CD160 - PDZK1	rs1967017-T	0,1	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	11q13.1	SLC22A11	rs2078267-C	0,1	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	11q13.1	SLC22A11	rs2078267-C	0,1	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	1q23.3	-	rs2199936-A	0,5	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	1q23.3	-	rs2199936-A	0,5	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	4q22.1	ABCG2	rs2231142-T	0,1	11,847 individuals	14,867 individuals	18834626	Lancet
uric acid	less well established	4q22.1	ABCG2	rs2231142-T	0,1	1,300 European ancestry individuals	NR	22229870	Ann Hum Genet
uric acid	less well	4q22.1	ABCG2	rs2231142-	0,1	12,328 European	NR	19503597	PLoS Genet

	established			T		ancestry males, 15,813 European ancestry females			
uric acid	less well established	4q22.1	ABCG2	rs2231142-T	0,1	12,328 European ancestry males, 15,813 European ancestry females	NR	19503597	PLoS Genet
uric acid	less well established	11q13.1	SLC22A12	rs505802-T	-0,1	12,328 European ancestry males, 15,813 European ancestry females	NR	19503597	PLoS Genet
uric acid	less well established	6p24.3	BTF3P7 - RREB1	rs675209-T	0,1	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	4p16.1	SLC2A9	rs6855911-A	0,1	4,305 Sardinian individuals	1,301 Sardinian individuals	17997608	PLoS Genet
uric acid	less well established	4p16.1	SLC2A9	rs734553-T	0,1	12,328 European ancestry males, 15,813 European ancestry females	NR	19503597	PLoS Genet
uric acid	less well established	4p16.1	SLC2A9	rs734553-T	0,1	12,328 European ancestry males, 15,813 European ancestry females	NR	19503597	PLoS Genet
uric acid	less well established	4p16.1	SLC2A9	rs737267-C	-0,1	794 individuals	706 individuals	18327257	Nat Genet
uric acid	less well established	6p22.2	LRRC16A	rs742132-A	0,1	12,328 European ancestry males, 15,813 European ancestry females	NR	19503597	PLoS Genet
uric acid	less well established	4p16.1	SLC2A9	rs7442295-A	0,1	1,955 hypertensive individuals	2,033 individuals in 519 families; 1,461 twins (1/pair selected randomly)	18179892	Am J Hum Genet
uric acid	less well established	4p16.1	SLC2A9	rs7442295-A	0,1	1,644 individuals	9,947 individuals	18327256	Nat Genet
uric acid	less well established	2p23.3	GCKR	rs780093-T	0,1	28,283 white individuals	22,054 women	20884846	Circ Cardiovasc Genet
uric acid	less well established	2p23.3	GCKR	rs780094-T	0,1	12,328 European ancestry males, 15,813	NR	19503597	PLoS Genet

						European ancestry females			

Supplementary Table II. Replication p-values and Odds Ratios for the clinic-based case/control replication set and the combined clinic-based derivation and replication set.

risk factor	**p-value clinic-based replication sample**	**Odds ratio** **clinic-based replication sample [CI95]**	**p-value** **combined clinic-based derivation and replication sample**	**Odds ratio** **combined clinic-based derivation and replication sample [CI95]**
AF	**0.0377**	**1.05 [1.00;1.10]**	**0.000271**	**1.06 [1.03;1.09]**
CAD	**0.00912**	**1.06 [1.02;1.12]**	**0.000569**	**1.07 [1.03;1.11]**
DBP	**0.0511**	**1.05 [1.00;1.09]**	**0.00867**	**1.06 [1.01;1.11]**
HTN	0.3621	1.02 [0.98;1.07]	**0.04867**	**1.04 [1.00;1.09]**
SBP	**0.00906**	**1.06 [1.02;1.11]**	**0.003219**	**1.06 [1.03;1.10]**

Supplementary Table III. SNPs used in the construction of the cGRS

Risk factor	Variants included in the cGRS
Atrial Fibrillation	rs13376333
Atrial Fibrillation	rs13038095
Atrial Fibrillation	rs6843082
Atrial Fibrillation	rs2106261
Atrial Fibrillation	rs17042171
Atrial Fibrillation	rs17375901
Atrial Fibrillation	rs7193343
Atrial Fibrillation	rs10033464
Atrial Fibrillation	rs2200733
Atrial Fibrillation	rs2220427
Atrial Fibrillation	rs1448817
Atrial Fibrillation	rs2723316
Atrial Fibrillation	rs16997168
Atrial Fibrillation	rs958800
Coronary Artery Disease	rs10933436
Coronary Artery Disease	rs10953541
Coronary Artery Disease	rs11206510
Coronary Artery Disease	rs1122608
Coronary Artery Disease	rs11556924
Coronary Artery Disease	rs12190287
Coronary Artery Disease	rs1231206
Coronary Artery Disease	rs12413409
Coronary Artery Disease	rs12526453
Coronary Artery Disease	rs12936587
Coronary Artery Disease	rs1332844
Coronary Artery Disease	rs1333049
Coronary Artery Disease	rs1412444
Coronary Artery Disease	rs16893526
Coronary Artery Disease	rs17114036
Coronary Artery Disease	rs17228212
Coronary Artery Disease	rs1746048

Coronary Artery Disease	rs17465637
Coronary Artery Disease	rs17609940
Coronary Artery Disease	rs17672135
Coronary Artery Disease	rs216172
Coronary Artery Disease	rs2259816
Coronary Artery Disease	rs2306374
Coronary Artery Disease	rs2505083
Coronary Artery Disease	rs2895811
Coronary Artery Disease	rs2943634
Coronary Artery Disease	rs3184504
Coronary Artery Disease	rs365302
Coronary Artery Disease	rs3739998
Coronary Artery Disease	rs3798220
Coronary Artery Disease	rs3825807
Coronary Artery Disease	rs4380028
Coronary Artery Disease	rs46522
Coronary Artery Disease	rs4773144
Coronary Artery Disease	rs4937126
Coronary Artery Disease	rs4977574
Coronary Artery Disease	rs501120
Coronary Artery Disease	rs579459
Coronary Artery Disease	rs599839
Coronary Artery Disease	rs646776
Coronary Artery Disease	rs6725887
Coronary Artery Disease	rs688034
Coronary Artery Disease	rs6922269
Coronary Artery Disease	rs7651039
Coronary Artery	rs7808424

Disease	
Coronary Artery Disease	rs7865618
Coronary Artery Disease	rs8055236
Coronary Artery Disease	rs964184
Coronary Artery Disease	rs974819
Coronary Artery Disease	rs9818870
Coronary Artery Disease	rs9982601
Hypertension	rs13333226
Hypertension	rs11775334
Hypertension	rs2681472
Hypertension	rs11014166
Hypertension	rs16982520
Hypertension	rs11646213
Hypertension	rs2820037
Hypertension	rs2398162
Hypertension	rs1173771
Hypertension	rs1799945
Hypertension	rs805303
Hypertension	rs932764
Hypertension	rs633185
Hypertension	rs6015450
Hypertension	rs17367504
Hypertension	rs1813353
Hypertension	rs4590817
Hypertension	rs17249754
Hypertension	rs1378942
Systolic Blood Pressure	rs2932538
Systolic Blood Pressure	rs419076
Systolic Blood Pressure	rs13107325
Systolic Blood Pressure	rs1173771
Systolic Blood Pressure	rs11953630
Systolic Blood Pressure	rs1799945
Systolic Blood Pressure	rs805303
Systolic Blood Pressure	rs4373814
Systolic Blood Pressure	rs932764
Systolic Blood Pressure	rs7129220
Systolic Blood Pressure	rs633185
Systolic Blood Pressure	rs2521501
Systolic Blood Pressure	rs17608766
Systolic Blood Pressure	rs1327235
Systolic Blood Pressure	rs17367504
Systolic Blood Pressure	rs1458038

Systolic Blood Pressure	rs1813353
Systolic Blood Pressure	rs4590817
Systolic Blood Pressure	rs17249754
Systolic Blood Pressure	rs1378942
Systolic Blood Pressure	rs11014166
Systolic Blood Pressure	rs2681492
Systolic Blood Pressure	rs381815
Systolic Blood Pressure	rs3184504
Systolic Blood Pressure	rs1004467
Systolic Blood Pressure	rs448378
Systolic Blood Pressure	rs12046278
Systolic Blood Pressure	rs11191548
Systolic Blood Pressure	rs12946454